Anhang

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Anhang 1

Kriterien der Studienteilnahme und Einverständniserklärung

Inhalt Anhang 1:

- **Telefon-Interview**
- **Liste mit Ein- und Ausschlusskriterien**
- **Einverständniserklärung**

Fragen aus Telefonscreening

Allgemeine Fragen

Frage	JA	NEIN	ANMERKUNGEN
1. Haben oder hatten Sie chronische Schmerzen? ***(Länger als 3 Monate? Falls ja: Wann zuletzt? Schmerzbezogene Fragen stellen)***	☐	☐	
2. Haben/ Hatten Sie schon einmal Schmerzen/ Beschwerden im Ober- oder Unterbauch, die ständig oder in Phasen, mindestens 3 Monate lang gedauert haben? ***(Falls ja: zusätzlich Fragebogen zu funktionellen Magen-Darmbeschwerden abfragen)***	☐	☐	
3. Leiden Sie unter einer chronischen Erkrankung? (***Falls ja: Welche und seit wann? Auch Allergien!!)***	☐	☐	
4. Haben Sie Diabetes?	☐	☐	
5. Leiden Sie unter Bluthochdruck?	☐	☐	
6. Haben Sie einen erhöhten Augeninnendruck bzw. ein Glaukom?	☐	☐	
7. Haben Sie einen Herzschrittmacher oder Metallteile im Körper? ***(Falls ja: Wo?)***	☐	☐	
8. Nehmen Sie zurzeit blutverdünnende Mittel? ***(Marcomar, Heparin oder Aspirin => Mengenangabe!!!)***	☐	☐	
9. Nehmen Sie zurzeit regelmäßig Medikamente ein? ***(Falls ja: Welche und wofür? Name und Dosis)***	☐	☐	
10. Sind Sie zurzeit bei einem Arzt in Behandlung? ***(Falls ja: Weshalb?)***	☐	☐	
11. Waren Sie schon einmal in psychiatrischer/ psychotherapeutischer Behandlung? ***(Falls ja: Weshalb und wann zuletzt?)***	☐	☐	
12. Haben Sie eine Spritzenphobie oder Pflasterallergie? ***(Zutreffendes unterstreichen!)***	☐	☐	
13. Haben Sie Platzangst? (***Im Hinblick auf fMRI-Untersuchung***)	☐	☐	
14. Sind Sie Raucher, Nichtraucher oder ehemaliger Raucher? ***(Zutreffendes unterstreichen!)***			
15. Falls Raucher: Seit wann rauchen Sie?			
16. Falls Raucher: Wie viele Zigaretten, Zigarren oder Pfeifen rauchen Sie pro Tag? ***(Zutreffendes unterstreichen!)***			
17. Wie viel Alkohol trinken Sie pro Woche?			
18. Haben Sie schon mal Drogen genommen? ***(Falls ja: Welche und wann zuletzt?)***	☐	☐	
19. Haben Sie schon einmal so viel Alkohol / Medikamente / Drogen genommen, dass Sie das Gefühl hatten, sie haben ihren Konsum nicht mehr im Griff? ***(Zutreffendes unterstreichen!)***	☐	☐	
20. Mit welcher Hand halten Sie die Zahnbürste?			
21. Sind Sie Linkshänder, Beidhänder oder umerzogener Rechtshänder? ***(Zutreffendes unterstreichen)***	☐	☐	
22. Haben Sie generell Interesse an Studien? Dürfen wir Sie in unseren „Probandenpool“ aufnehmen?	☐	☐	
23. Arbeiten Sie Schicht? ***(Falls ja, welche Art von Schicht)***	☐	☐	
24. Wie sind Ihre derzeitigen Arbeitszeiten?			

Schmerzbezogene Fragen

Frage	Ja	Nein	Anmerkungen
1. Wo haben Sie überall Schmerzen?			
2. Was ist Ihr Hauptschmerz?			
3. Unter welchem Schmerz leiden Sie am häufigsten?			
4. Welcher Schmerz beeinträchtigt Sie derzeit am meisten?			
5. Welcher Schmerz ist zurzeit (Ihrer Meinung nach) am ehesten behandlungsbedürftig?			
6. Wie lange leiden Sie schon unter Ihrem Hauptschmerz?	Seit .....Jahren bzw. ..... Monate		
7. Wie stark sind Ihre Hauptschmerzen zurzeit im Durchschnitt? ***(VAS: 0-10)***			
8. Seit wann haben Sie solche Schmerzen wie heute? ***(In Bezug auf die Frage 7)***			
9. Wie viele Tage (ca.!) in den letzten 12 Monaten hatten Sie Schmerzen an Ihrem Hauptschmerzort?			
10. Hat sich Ihr Schmerzgeschehen im Laufe der Monate/ Jahre verändert? ***(Falls ja: Wie?)***	☐	☐	
11. Wann sind Sie das erste Mal wegen Ihren Hauptschmerzen zum Arzt gegangen?			
12. Seit wann haben Sie wegen Ihrer Hauptschmerzen Medikamente eingenommen oder andere Maßnahmen ergriffen?			
13. Welche Diagnose hat man Ihnen als Ursache für die Hauptschmerzen mitgeteilt?			
14. Welche weiteren „Schmerz-Diagnosen„ wurden bei Ihnen gestellt?			
15. Wurde bei Ihnen eine Fibromyalgie diagnostiziert? ***(Falls ja: Wann und von wem?)***	☐	☐	
16. Haben Sie entzündliche Veränderungen? ***(Polyarthritis, Spondylitis ankylosans)***	☐	☐	
17. Bestehen neurologische Komplikationen? ***(z.B. Lähmungen, Kribbeln, Taubheit , die nicht durch Durchblutungsstörung verursacht sind)***	☐	☐	
18. Haben Sie Schmerzen im WS-Bereich, die auf eine andere Erkrankung zurückzuführen sind? ***(z.B. Osteoporose, Tumor)***	☐	☐	
19. Sind Sie zurzeit wegen Ihrer Schmerzen in Behandlung? ***(Falls ja: Bei wem und wann zuletzt?)***	☐	☐	
20. Waren Sie schon einmal in der Schmerzambulanz im Klinikum Mannheim? ***(Falls ja: Bei wem und wann zuletzt)***	☐	☐	
21. Welche Behandlungsmaßnahmen führen Sie zurzeit wegen der Schmerzen durch?			
22. Welche Medikamente nehmen Sie regelmäßig oder bei Bedarf gegen die Schmerzen ein? ***(Falls ja: Welche? Name und Dosis!)***			

Code: _____ **Datum:** _____

Arzt: _____ **Unterschrift:** _____

Patient ☐ **Kontrollproband** ☐

Ausschlusskriterien	**NEIN** **Trifft nicht zu**	**JA** **Trifft zu**	**Anmerkung**
Alter < 18 oder Alter > 70			
Schmerzleiden seit < als 3 Monaten			
Rückenschmerz ist nicht Hauptschmerz			
Fibromyalgie nicht vorhanden			
Probleme mit deutscher Sprache			
Psychiatrische Erkrankungen (Vor allem Schizophrenien!)			
Medikamenten-/ Drogen-/ Alkoholabhängigkeit			
Schwangerschaft **(Nur für fMRI relevant!)**			
Linkshänder/ Beidhänder/ umerzogener Rechtshänder **(Nur für fMRI relevant!)**			
Metallimplantate/ Schrittmacher **(Nur für fMRI relevant!)**			
Aktuelle regelmäßige Opiat- und/ oder Benzodiazepineinnahme			
Störungen des ZNS (Epilepsie, A-poplex, Parkinson, Spätfolgen Schädel-hirntrauma u.ä.)			
Schmerzen im WS-Bereich aufgrund anderer Grunderkrankung			
Akute neurologische Störung			
Polyneuropathie **(Sofern Hauptschmerzproblematik!)**			
Radikuläre Rückenschmerzen **(Sofern Hauptschmerzproblematik!)**			
Maligne Erkrankungen **(Sofern Hauptschmerzproblematik!)**			
Primär entzündliche Erkrankungen			
Nieren-/ Leber-/ Pankreasfunktionsstö-rungen, Gallensteine, Refluxoesophagi-tits			
Patienten ohne euthyreote Stoffwechsel-lage			
Postzosterneuralgie			
Hinweis auf Infektionskrankheiten (z.B. Borreliose, AIDS, Hepatititiden			
AIDS			
Bluthochdruck			
Diabetes mellitus			
Glaukom			

Allgemeine Studieninformation (Infoblatt 1)

Sehr geehrte/r Patient/in / sehr geehrte/r Proband/in!

Wir haben Sie angesprochen, ob Sie bereit wären, an einer wissenschaftlichen Studie teilzunehmen, bei der die Ursachen chronischer Schmerzen erforscht und neue Behandlungsmöglichkeiten für solche Schmerzen entwickelt werden. Wir freuen uns über Ihr Interesse und wollen Sie nachfolgend so umfassend informieren, dass Sie leicht über Ihre Teilnahme an der Studie entscheiden können. Wenn Sie weitere Fragen haben, werden wir sie Ihnen gerne beantworten.

Was wollen wir mit dieser Studie genau herausfinden?
Chronische Schmerzen können durch eine dauerhaft *gesteigerte Empfindlichkeit* von Nervenzellen hervorgerufen werden, die dafür sorgt, dass Schmerzen andauern oder immer wiederkehren, ohne dass eine akute Ursache dafür zu entdecken wäre. Weiterhin spielt der Grad der individuellen Belastung im Alltag (Stress) sowie der Grad weiterer gesundheitlicher Beeinträchtigungen (Komorbidität) eine große Rolle bei der Chronifizierung von Schmerzen. Wir wollen herausfinden, wie solche Faktoren zu chronischen Schmerzen führen und unter welchen Voraussetzungen bzw. bei welchen Personen dies geschehen kann. Um dies zu erreichen werden im Verlauf der Studie eine ganze Reihe medizinischer und psychologischer Untersuchungsverfahren eingesetzt, die Sie einmalig absolvieren müssen, allerdings aufgeteilt auf wenigstens drei Untersuchungstermine. Falls Sie als Schmerzpatient zusätzlich an der pharmakologischen Teilstudie teilnehmen wollen, wird ein Teil dieses Untersuchungsprogramms im Behandlungszeitraum von ca. 2 Monaten zweimal wiederholt. Beachten Sie hierzu die separate *Information zur pharmakologischen Teilstudie (Infoblatt 4).*

Welche Untersuchungen werden in der Studie durchgeführt?

- **Medizinische Untersuchung und Diagnostik:** Eine genaue medizinische Untersuchung und Anamnese sowie - falls Sie Patient sind - eine genaue Diagnosestellung Ihres Schmerzleidens wird durch einen Arzt durchgeführt.
- **Psychologische Diagnostik:** Zur Diagnostik Ihrer individuellen Stressbelastung und gesundheitlichen Beeinträchtigung müssen eine Reihe psychologischer Fragebögen ausgefüllt werden.
- **Psychophysikalische und psychophysiologische Schmerzdiagnostik:** Um herauszufinden, wie Schmerzreize im Gehirn verarbeitet werden, müssen wir zu diagnostischen Zwecken genau definierte schmerzhafte Reize anwenden. Wir verwenden zu diesem Zweck Hitzereize, die entweder mit einer kleinen Metallplatte (= Thermode) oder mit einem Laser berührungsfrei auf die Haut am Unterarm, an der Hand oder am Fuß gegeben werden. Solche Reize dauern beim Laser weniger als eine halbe Sekunde, bei der Thermode nicht länger als wenige Sekunden bis zu einer halben Minute und werden im Laufe einer Untersuchung mehrfach wiederholt. Die verwendeten Messverfahren sind langjährig in der neurologischen und klinischen Schmerzdiagnostik erprobt und absolut ungefährlich! Es können in keinem Fall Schädigungen der Haut entstehen, jedoch ist eine vorübergehende Hautrötung am Reizort häufig. Die Reize werden außerdem unter Berücksichtigung Ihrer persönlichen Schmerzschwelle eingestellt und sind im Allgemeinen gut zu ertragen. Gleichzeitig mit den schmerzhaften und nichtschmerzhaften Hitzereizen messen wir Ihre Gehirnströme mit Hilfe des Elektroenzephalogramms (EEG). Zur EEG-Messung werden kleine Elektroden auf die Kopfhaut geklebt, um die sehr kleinen

Spannungen zu messen die das Gehirn erzeugt. Die EEG-Messung ist schmerzfrei, geräuschlos und ohne jegliche Strahlenbelastung.

- **Strukturelle und funktionelle Kernspintomografie:** Sie bekommen hier nochmals dieselben schmerzhaften und nicht-schmerzhaften Reize, die schon bei der EEG-Messung angewendet wurden. Wie bei der EEG-Messung kann damit die Schmerzverarbeitung im Gehirn untersucht werden, allerdings mit besserer räumlicher Auflösung als mit dem EEG. Dabei müssen Sie zwischen 20 und 45 Minuten im Tomografen liegen. Die Magnetresonanztomografie ist schmerzfrei und ohne jegliche Strahlenbelastung bzw. ohne Kontrastmittel, wenn es auch bestimmte Vorkehrungen zu beachten gilt. Näheres entnehmen Sie bitte der separaten *Information zur Magnetresonanztomografie (Infoblatt 2).*
- **Psychophysikalische Diagnostik der viszeralen Sensibilität: Diese Untersuchung wird nur bei Patienten mit viszeralen Schmerzen (Schmerzen der Eingeweide) und bei einer Vergleichsstichprobe Gesunder durchgeführt.** Sie dient zur Bestimmung der Wahrnehmung von Dehnungsreizen im Dickdarm, die bei Erkrankungen mit viszeralen Schmerzen verändert sein können. Dabei wird im Verlauf einer etwa einstündigen Untersuchung eine kleinfingerdicke Ballonsonde rektal eingeführt, mit der nicht-schmerzhafte Dehnungsreize getestet werden können. Die Untersuchung ist in der Regel nicht schmerzhaft und bei sachgemäßer Durchführung vollkommen ungefährlich. Bitte beachten Sie hierzu die separate *Information zur Untersuchung der viszeralen Sensibilität (Infoblatt 3).*

Wie ist der genaue Untersuchungsablauf?

Wenn Sie mit der Teilnahme an der Studie einverstanden sind und eine entsprechende Einverständniserklärung unterschrieben haben (welche Sie übrigens jederzeit widerrufen können), können Sie mit dem betreuenden Arzt die genauen Termine für das aufgeführte Behandlungsprogramm ausmachen. In der Regel wird für die ausführliche medizinische und psychologische Eingangsdiagnostik ein Termin benötigt, sowie jeweils für die psychophysikalische Schmerzdiagnostik und die funktionelle Magnetresonanztomografie ein weiterer Termin, also insgesamt drei Termine. Falls die Untersuchung der viszeralen Sensibilität bei Ihnen durchgeführt wird, wird dies bei einem vierten Termin gemacht. Damit ist für die Teilnehmer der Querschnittstudie das Untersuchungsprogramm abgeschlossen.

Für die Teilnehmer der pharmakologischen Behandlung wird ein Teil dieses Untersuchungsprogramms im Verlauf von zwei Monaten zweimal wiederholt. Beachten Sie hierzu die *Information zur pharmakologischen Teilstudie (Infoblatt 4).*

Allgemeine Informationen zur Studienteilnahme

- Ihre Teilnahme an dieser Prüfung ist freiwillig und kann von Ihnen jederzeit auch ohne Angabe von Gründen widerrufen werden, ohne dass Ihnen irgendwelche Nachteile entstehen.
- Im Falle Ihrer Studienteilnahme besteht Versicherungsschutz im Rahmen einer erweiterten Haftpflichtversicherung. Bei Teilnahme an der pharmakologischen Studie sind Sie im Rahmen einer Probandenversicherung versichert (Details siehe Infoblatt 4 und Anlagen).
- Es entstehen Ihnen durch die Studienteilnahme und die durchgeführten Untersuchungen keinerlei Unkosten. Falls erforderlich, werden Fahrtkosten zu den Untersuchungsorten vergütet.
- Die Studienteilnahme ist bei Schwangerschaft oder bei Verdacht auf Schwangerschaft nicht möglich!

Information zur therapeutischen Intervention (Infoblatt 5)

Für die Teilnahme an den Messungen zur Schmerzwahrnehmung dürfen Rückenschmerz- und Fibromyalgiepatienten an unserem Schmerzbewältigungstraining kostenlos teilnehmen.

Sollte darüber hinaus Bedarf an einer medizinischen und physiotherapeutischen Behandlung bestehen, bieten wir Patienten die Möglichkeit in der Schmerzambulanz im Klinikum Mannheim behandelt zu werden. Da die Therapie nicht Teil der Studie ist, muss eine Überweisung vom Hausarzt zur Schmerztherapie erfolgen. Die anfallenden Behandlungskosten werden mit der zuständigen Krankenkasse abgerechnet. Der Eigenanteil und die Rezeptgebühren für die Physiotherapie, Medikamente oder z.B. TENS-Gerät müssen vom Patienten getragen werden.

Um den Verlauf der Schmerzen und anderer Beschwerden sowie Belastungen über einen längeren Zeitraum beobachten zu können, möchten wir die Therapie in Form von regelmäßigen medizinischen Untersuchungen, psychologischen Interviews und Fragebogen wissenschaftlich begleiten. Für den Zeitaufwand und die zusätzlichen Fahrten ins Klinikum, aufgrund der Interviews und Untersuchungen, erhalten Sie eine Aufwandsentschädigung in Höhe von 90,- Euro.

Für die wissenschaftliche Begleitung des Schmerzverlaufs ist die Teilnahme am Schmerzbewältigungstraining eine unabdingbare Voraussetzung. Die Aufwandsentschädigung kann nur dann ausgezahlt werden, sofern an allen vorgesehenen Terminen zur Verlaufsmessung und an einer zweiten Untersuchung zur Schmerzwahrnehmung (s.a. Infoblatt 1 und 2) teilgenommen wird.

Erläuterungen der Behandlungsbausteine

Medizinische Therapie:
Die medizinische Therapie erfolgt nach einem von der Schmerzambulanz entwickelten standardisierten Schema, das auf der Grundlage von Empfehlungen der Deutschen Gesellschaft zum Studium des Schmerzes (DGSS) und des Schmerztherapeutischen Kolloquiums (StK's) entwickelt wurde. Sie umfasst neben einer medikamentösen Behandlung auch die Verordnung von TENS-Geräten. Sowohl die medikamentöse Therapie als auch die Anzahl der Termine werden individuell festgelegt.

Physiotherapeutische Behandlung:
Die Behandlung wird speziell auf Patienten mit chronischen Rückenschmerzen oder Fibromyalgie abgestimmt und umfasst mindestens 10 Therapie-/Trainingseinheiten je 60 Minuten (Termine zweimal wöchentlich). Bei der Zusammenstellung der Behandlungsmaßnahmen werden die Bedürfnisse und die aktuelle Schmerzproblematik der Patienten berücksichtigt.

Schmerzbewältigungstraining (SBT):
Im Schmerzbewältigungstraining werden verschiedene Strategien im Umgang mit chronischen Schmerzen vorgestellt. Das wöchentliche Training umfasst 7 Sitzungen von jeweils 2 Stunden und wird in der Gruppe durchgeführt. Die Teilnehmerzahl liegt zwischen 6 und 8 Personen. Neben Erläuterungen zu den physiologischen Aspekten von chronischen Schmerzen und den Auswirkungen auf das allgemeine Wohlbefinden, werden spezielle Entspannungstechniken (z.B. PMR) eingeübt.

Ablauf der wissenschaftlichen Begleitung im Rahmen der therapeutischen Intervention

Sofern die oben dargestellte Therapie in Anspruch genommen wird, werden bereits zu Beginn der Behandlung die einzelnen Termine zur wissenschaftlichen Begleitung festgelegt. Das Therapieangebot beginnt mit der medizinischen und physiotherapeutischen Intervention. Die Dauer der medizinischen Behandlung wird von dem behandelnden Arzt individuell festgelegt. Für die Physiotherapie sind zunächst ca. 10 Termine vorgesehen. Je nach Beurteilung des behandelnden Physiotherapeuten und Arztes kann die Therapie fortgesetzt werden. Um die Anzahl der Termine und den damit verbundenen Zeitaufwand überschaubar zu halten, beginnt das Schmerzbewältigungstraining (SBT) ungefähr einen Monat nach Beginn der medizinischen und physiotherapeutischen Behandlung. Darüber hinaus besteht die Möglichkeit nach dem SBT an verschiedenen, vertiefenden Gruppentrainings teilzunehmen oder individuelle Einzelkontakte zu vereinbaren. Nach Abschluss des Schmerzbewältigungstrainings werden erneut die Messungen zur Schmerzwahrnehmung durchgeführt.

Information zu Datenverarbeitung und Datenschutz (Infoblatt 6)

Im Rahmen der klinischen Prüfung werden meine Daten/Krankheitsdaten einschließlich der Daten über Geschlecht, Alter, Gewicht und Körpergröße anonymisiert aufgezeichnet (ohne Namensnennung) und zum Zwecke der wissenschaftlichen Auswertung der Studie dem Auftraggeber der Studie zur Verfügung gestellt.

Zur Überprüfung der ordnungsgemäßen Durchführung der klinischen Prüfung bin ich damit einverstanden, dass der für meinen Prüfarzt autorisierte Vertreter des Auftraggebers der Studie (Deutsche Forschungsgemeinschaft) sowie in- und ausländische Überwachungsbehörden Einblick in meine beim Prüfarzt vorhandenen, personenbezogenen Daten/Krankheitsdaten nehmen darf, soweit sie für die geplante Studie relevant sind. Die in- und ausländischen Überwachungsbehörden (d.h. das US Food and Drug Administration) können nach den gesetzlichen Bestimmungen in Ausnahmefällen auch eine Weitergabe meiner personenbezogenen Daten/Krankheitsdaten fordern.

Der autorisierte Vertreter des Auftraggebers der Studie wird für diese Aufgabe speziell ausgebildet. Er überwacht die ordnungsgemäße Durchführung der Studie, insbesondere die ordnungsgemäße Erhebung der Daten sowie deren Zuordnung zu bestimmten Patienten/Patientinnen (bzw. Probanden/Probandinnen). Der autorisierte Vertreter hat sich in einer schriftlichen Erklärung zum Stillschweigen - auch gegenüber dem Auftraggeber der Studie - verpflichtet, er unterliegt auch der Verschwiegenheitsverpflichtung nach § 40 Bundesdatenschutzgesetz. Er darf meine Daten/Krankheitsdaten nur in anonymisierter Form weitergeben und keine Kopien oder Abschriften von meinen Krankenunterlagen herstellen.

Alternativ hierzu bin ich damit einverstanden, dass meine personenbezogenen Daten/Krankheitsdaten im Wege der lnterviewtechnik überprüft werden, d.h. der autorisierte Vertreter befragt den Prüfarzt und nimmt somit nicht Einblick in meine Daten/Krankheitsdaten.

Im Falle von Veröffentlichungen der Studienergebnisse bleibt die Vertraulichkeit meiner persönlichen Daten ebenfalls gewährleistet.

Die Beachtung des Bundesdatenschutzgesetzes ist in vollem Umfange sichergestellt.

Einverständniserklärung

Name der Patientin/des Patienten: _____

Studienleiter: Frau/Herr Dr. _____
(Name des aufklärenden Arztes/Psychologen)

hat mit mir heute ein ausführliches Aufklärungsgespräch über Art, Umfang und Bedeutung dieser klinischen Studie geführt. Dabei wurden u.a. Studienziel und Studienlänge, studienbedingte Erfordernisse und mögliche Nebenwirkungen der Studienbehandlung besprochen. Die Patienteninformation sowie ein Exemplar der Einverständniserklärung habe ich erhalten, gelesen und verstanden. In diesem Zusammenhang bestehende Fragen wurden besprochen und beantwortet. Ich hatte ausreichend Zeit, mich für oder gegen eine Teilnahme an dieser Studie zu entscheiden.

An der Untersuchung zur viszeralen Sensibilität nehme ich ebenfalls teil: JA ☐ NEIN ☐

Über den vorliegenden Versicherungsschutz wurde ich informiert, ein Auszug aus den Allgemeinen Versicherungsbedingungen wurde mir ausgehändigt (**Versicherungsnummer:** V203/281; **Versicherer:** Badischer Gemeinde-Versicherungs-Verband BGV).

Ich bin einverstanden, als Proband/in oder Patient/in an dieser klinischen Studie teilzunehmen.

Mir ist bekannt, dass diese Studie in erster Linie der medizinischen Wissenserweiterung dient und gegebenenfalls auch keinen persönlichen Vorteil für mich bringen kann.

Ich bin darüber unterrichtet worden, dass meine Teilnahme an dieser Studie freiwillig ist und dass ich meine Einwilligung zur Teilnahme an dieser Studie jederzeit ohne Angabe von Gründen und ohne persönlichen Nachteil widerrufen kann. Auch der Arzt kann aufgrund seiner ärztlichen Erfahrung meine Teilnahme jederzeit beenden.

Ich bin über die Behandlung der erhobenen Daten und über die Möglichkeit, autorisierte Personen von Seiten der Deutschen Forschungsgemeinschaft sowie von Seiten der zuständigen in- und ausländischen Behörden und der zuständigen Ethik-Kommission unter Wahrung der Vertraulichkeit in Originalbefunde Einsicht zu nehmen, informiert worden und erkläre mich damit einverstanden. Entsprechend der gesetzlichen Bestimmungen kann eine Weitergabe der im Rahmen der klinischen Prüfung erfolgenden Aufzeichnung von Krankheitsdaten zur Überprüfung an die zuständigen Behörden bzw. den Auftraggeber erfolgen. Ich bin damit einverstanden, dass der Prüfarzt meinen Hausarzt über meine Studienteilnahme sowie über das allgemeine Studienkonzept informieren kann.

Die separate Erklärung zu "Datenverarbeitung und Datenschutz" (Infoblatt 6) habe ich gelesen und stimme dem beschriebenen Vorgehen zu.

_____ _____
Ort, Datum Name Patient/Proband (in Druckbuchstaben)

_____ _____
Unterschrift des Arztes/Studienleiters Unterschrift Patient/Proband

Anhang 2

Stichprobenbeschreibung

Stichprobenbeschreibung

Variable	FMS	URS	KON	CHI^2	F-Wert
N	19	27	20		
Geschlecht					
N (%)	1 : 18	11 : 16	11 : 9	11.31	--
Männer : Frauen	(5.26% : 94.74%)	(40.74% : 59.26%)	(55.0% : 45.0%)	(df= 2; p= 0.004)	
Alter					
MW ± SD	51.05 ± 11.45	53.70 ± 11.32	50.95 ± 10.93	--	0.46
MD (Q1 / Q3)	55.00 (42 / 60)	55.00 (42 / 63)	51.50 (42 / 59)		(df_n= 2; df_z= 63; p= 0.632)
Schulbildung					
N (%)					
Hauptschulabschl.	5 (7.58%)	8 (12.12%)	6 (9.09%)	8.27	--
Mittlere Reife	12 (18.18%)	13 (19.7%)	9 (13.64%)	(df= 6;	
Abitur	1 (1.52%)	2 (3.03%)	5 (7.58%)	p= 0.219)	
Studium	1 (1.52%)	4 (6.06%)	0		
Berufsstand					
N (%)					
Berufstätig	8 (12.12%)	12 (18.18%)	10 (15.15%)	5.58	--
Hausfrau / mann	5 (7.58%)	3 (4.55%)	5 (7.58%)	(df= 6;	
Berentet	3 (4.55%)	10 (15.15%)	4 (6.06%)	p= 0.472)	
Arbeitslos	3 (4.55%)	2 (3.03%)	1 (1.52%)		
GdB					
Nein	7 (12.96%)	14 (25.93%)	15 (27.78%)		
Ja	9 (16.67%)	7 (12.96%)	0		
Beantragt	2 (3.70%)	0	0		
MdE					
Nein	7 (14.29%)	17 (34.69%)	15 (30.61%)		
Ja	6 (12.24%)	2 (4.08%)	1 (2.04%)		
Beantragt	1 (2.04%)	0	0		

Abk.: N= Stichprobengröße, MW= Mittelwert, SD= Standardabweichung, MD= Median, Q1= 1. Quartil, Q3= 3. Quartil, GdB= Grad der Behinderung; MdE= Minderung der Erwerbsfähigkeit

Anhang 3

Güte der Cortisoldaten:
Fehlende Werte und Ausreißerwerte

Inhalt Anhang 3

A Verteilung fehlender Cortisolwerte
B Ausreißerwerte der Zeiten der Cortisolmessungen
C Übersicht der Cortisol-Ausreißerwerte

A Verteilung fehlender Cortisolwerte

Tabelle 1: Verteilung fehlender vs. nicht fehlender Werte auf die jeweiligen Messzeitpunkte

MZP **Miss**	**1.**	**2.**	**3.**	**4.**	**5.**	
„no miss“	446 (19.31%)	411 (17.79%)	383 (16.58%)	400 (17.32%)	394 (17.06%)	2034 (88.05%)
„miss“	16 (0.69%)	51 (2.21%)	79 (3.42%)	62 (2.68%)	68 (2.94%)	276 (11.95%)
	462 (20.0%)	462 (20.0%)	462 (20.0%)	462 (20.0%)	462 (20.0%)	2310 (100%)

Abk: MZP= Messzeitpunkt

Tabelle 2: Verteilung der fehlenden Werte auf die drei Stichproben: Patienten mit Rückenschmerzen (URS, N=27), Patienten mit Fibromyalgie (FMS, N= 19), gesunde Kontrollpersonen (KON, N=20).

Tag **Miss**	**URS**	**FMS**	**KON**
„no miss“	851 36.84%	554 23.98%	629 27.23%
„miss“	94 4.07%	111 4.81%	71 3.07%

Tabelle 3: Verteilung der fehlenden Werte in den beiden Geschlechtergruppen: Männer (N= 23), Frauen (N= 43).

Geschlecht **Miss**	**Männer**	**Frauen**
„no miss“	728 31.52%	1306 56.54%
„miss“	77 3.33%	199 8.61%

B Ausreißerwerte der Zeiten der Cortisolmessungen

1 Outlier-Definition nach Quartilsabständen

1.1 Grundlage: Absolute Zeit / Echtzeit

Outlier Statistics der Zeiten Cortisolmessung [Stichprobe x Tag x Messung]
The FREQ Procedure

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	22	5	10.64	5	10.64
1	27	8	17.02	13	27.66
1	31	1	2.13	14	29.79
1	34	2	4.26	16	34.04
1	45	8	17.02	24	51.06
1	48	1	2.13	25	53.19
1	61	1	2.13	26	55.32
1	66	1	2.13	27	57.45
1	69	15	31.91	42	89.36
1	76	1	2.13	43	91.49
1	81	1	2.13	44	93.62
1	87	1	2.13	45	95.74
1	94	1	2.13	46	97.87
1	95	1	2.13	47	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	45	2	4.26	2	4.26
extr	48	1	2.13	3	6.38
extr	69	2	4.26	5	10.64
mild	22	5	10.64	10	21.28
mild	27	8	17.02	18	38.30
mild	31	1	2.13	19	40.43
mild	34	2	4.26	21	44.68
mild	45	6	12.77	27	57.45
mild	61	1	2.13	28	59.57
mild	66	1	2.13	29	61.70
mild	69	13	27.66	42	89.36
mild	76	1	2.13	43	91.49
mild	81	1	2.13	44	93.62
mild	87	1	2.13	45	95.74
mild	94	1	2.13	46	97.87
mild	95	1	2.13	47	100.00

1.2 Grundlage: Relative Zeit (relativ zum 1. MZP)

Outlier Statistics der Zeiten Cortisolmessung [Stichprobe x Tag x Messung]

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	6	2	3.85	2	3.85
1	19	1	1.92	3	5.77
1	22	1	1.92	4	7.69
1	25	2	3.85	6	11.54
1	27	5	9.62	11	21.15
1	30	1	1.92	12	23.08
1	32	2	3.85	14	26.92
1	34	4	7.69	18	34.62
1	45	4	7.69	22	42.31
1	48	4	7.69	26	50.00
1	49	2	3.85	28	53.85
1	61	3	5.77	31	59.62
1	66	1	1.92	32	61.54
1	68	1	1.92	33	63.46
1	69	3	5.77	36	69.23
1	70	1	1.92	37	71.15
1	73	1	1.92	38	73.08
1	74	2	3.85	40	76.92
1	76	1	1.92	41	78.85
1	78	1	1.92	42	80.77
1	81	1	1.92	43	82.69
1	84	3	5.77	46	88.46
1	86	1	1.92	47	90.38
1	87	2	3.85	49	94.23
1	93	1	1.92	50	96.15
1	95	1	1.92	51	98.08
1	96	1	1.92	52	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	6	1	1.92	1	1.92
extr	25	2	3.85	3	5.77
extr	27	1	1.92	4	7.69
extr	32	1	1.92	5	9.62
extr	34	3	5.77	8	15.38
extr	45	4	7.69	12	23.08
extr	48	2	3.85	14	26.92
extr	66	1	1.92	15	28.85
extr	69	1	1.92	16	30.77
extr	81	1	1.92	17	32.69
extr	84	2	3.85	19	36.54
extr	86	1	1.92	20	38.46

extr	87	2	3.85	22	42.31
mild	6	1	1.92	23	44.23
mild	19	1	1.92	24	46.15
mild	22	1	1.92	25	48.08
mild	27	4	7.69	29	55.77
mild	30	1	1.92	30	57.69
mild	32	1	1.92	31	59.62
mild	34	1	1.92	32	61.54
mild	48	2	3.85	34	65.38
mild	49	2	3.85	36	69.23
mild	61	3	5.77	39	75.00
mild	68	1	1.92	40	76.92
mild	69	2	3.85	42	80.77
mild	70	1	1.92	43	82.69
mild	73	1	1.92	44	84.62
mild	74	2	3.85	46	88.46
mild	76	1	1.92	47	90.38
mild	78	1	1.92	48	92.31
mild	84	1	1.92	49	94.23
mild	93	1	1.92	50	96.15
mild	95	1	1.92	51	98.08
mild	96	1	1.92	52	100.00

2 Definition Zeitausreißer nach Tukey et al. 1977, Rousseeuw et al. 1999

2.1 Grundlage: absolute Zeit / Echtzeit

Outlier Statistics der Zeiten Cortisolmessung [Tag x Messung]

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	11	1	1.72	1	1.72
1	22	5	8.62	6	10.34
1	25	1	1.72	7	12.07
1	27	7	12.07	14	24.14
1	34	3	5.17	17	29.31
1	42	1	1.72	18	31.03
1	45	9	15.52	27	46.55
1	48	3	5.17	30	51.72
1	49	1	1.72	31	53.45
1	61	1	1.72	32	55.17
1	65	1	1.72	33	56.90
1	66	1	1.72	34	58.62
1	69	12	20.69	46	79.31
1	76	1	1.72	47	81.03
1	79	1	1.72	48	82.76
1	81	2	3.45	50	86.21
1	84	1	1.72	51	87.93
1	87	1	1.72	52	89.66
1	91	1	1.72	53	91.38
1	93	1	1.72	54	93.10
1	94	2	3.45	56	96.55
1	95	1	1.72	57	98.28
1	100	1	1.72	58	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	11	1	1.72	1	1.72
extr	22	5	8.62	6	10.34
extr	25	1	1.72	7	12.07
extr	27	7	12.07	14	24.14
extr	34	3	5.17	17	29.31
extr	42	1	1.72	18	31.03
extr	45	9	15.52	27	46.55
extr	48	3	5.17	30	51.72
extr	49	1	1.72	31	53.45
extr	61	1	1.72	32	55.17
extr	65	1	1.72	33	56.90
extr	66	1	1.72	34	58.62
extr	69	12	20.69	46	79.31
extr	76	1	1.72	47	81.03

extr	79	1	1.72	48	82.76
extr	81	2	3.45	50	86.21
extr	84	1	1.72	51	87.93
extr	87	1	1.72	52	89.66
extr	91	1	1.72	53	91.38
extr	93	1	1.72	54	93.10
extr	94	2	3.45	56	96.55
extr	95	1	1.72	57	98.28
extr	100	1	1.72	58	100.00

2.2 Grundlage: relative Zeit (relativ zum ersten Messzeitpunkt)

Outlier Statistics der Zeiten Cortisolmessung [Stichprobe x Tag x Messung]

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	4	1	1.79	1	1.79
1	6	1	1.79	2	3.57
1	8	1	1.79	3	5.36
1	11	2	3.57	5	8.93
1	12	1	1.79	6	10.71
1	19	1	1.79	7	12.50
1	22	1	1.79	8	14.29
1	25	2	3.57	10	17.86
1	27	5	8.93	15	26.79
1	28	1	1.79	16	28.57
1	30	2	3.57	18	32.14
1	32	1	1.79	19	33.93
1	34	5	8.93	24	42.86
1	45	4	7.14	28	50.00
1	47	1	1.79	29	51.79
1	48	4	7.14	33	58.93
1	49	2	3.57	35	62.50
1	65	1	1.79	36	64.29
1	66	1	1.79	37	66.07
1	68	1	1.79	38	67.86
1	69	2	3.57	40	71.43
1	70	3	5.36	43	76.79
1	73	1	1.79	44	78.57
1	74	1	1.79	45	80.36
1	76	1	1.79	46	82.14
1	78	1	1.79	47	83.93
1	81	1	1.79	48	85.71
1	84	2	3.57	50	89.29
1	86	1	1.79	51	91.07
1	87	2	3.57	53	94.64
1	93	1	1.79	54	96.43
1	95	1	1.79	55	98.21
1	96	1	1.79	56	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	4	1	1.79	1	1.79
extr	6	1	1.79	2	3.57
extr	8	1	1.79	3	5.36
extr	11	2	3.57	5	8.93
extr	12	1	1.79	6	10.71
extr	19	1	1.79	7	12.50

extr	22	1	1.79	8	14.29
extr	25	2	3.57	10	17.86
extr	27	5	8.93	15	26.79
extr	28	1	1.79	16	28.57
extr	30	2	3.57	18	32.14
extr	32	1	1.79	19	33.93
extr	34	5	8.93	24	42.86
extr	45	4	7.14	28	50.00
extr	47	1	1.79	29	51.79
extr	48	4	7.14	33	58.93
extr	49	2	3.57	35	62.50
extr	65	1	1.79	36	64.29
extr	66	1	1.79	37	66.07
extr	68	1	1.79	38	67.86
extr	69	2	3.57	40	71.43
extr	70	3	5.36	43	76.79
extr	73	1	1.79	44	78.57
extr	74	1	1.79	45	80.36
extr	76	1	1.79	46	82.14
extr	78	1	1.79	47	83.93
extr	81	1	1.79	48	85.71
extr	84	2	3.57	50	89.29
extr	86	1	1.79	51	91.07
extr	87	2	3.57	53	94.64
extr	93	1	1.79	54	96.43
extr	95	1	1.79	55	98.21
extr	96	1	1.79	56	100.00

C Übersicht der Cortisol Ausreißerwerte

1 Cortisolausreißer – Kriterium: 4 Standardabweichungen über / unterhalb Mittelwert Vergleichsstichprobe

1.1 Stichproben-, tages- und messzeitpunktspezifische Grenzwerte

1.2 Stichproben-, und messzeitpunktspezifische Grenzwerte über alle Tage hinweg

1.3 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium 4 Standardabweichungen über / unterhalb dem Mittelwert der Vergleichsstichprobe:

1.4 Zusammenfassung Einzeldaten Probanden mit Cortisolausreißerwerten

1.5 Übersicht Medikamenteneinnahme – dargestellt sind die zu den Präparaten zugehörigen Medikamentengruppen (Arzneimittelpocket, Ruß 2005):

2 Cortisolausreißer –Kriterium: Interquartilsabstand * Faktor

2.1 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium: 3*IQA über Q3 bzw. unterhalb Q1 der Vergleichsstichprobe:

2.2 Deskription Probanden mit extremen Outliern

2.3 Stichprobenspezifische Zusammenfassung von Probanden mit Cortisolausreißerwerten

2.4 Vergleichsdaten Gesamtstichproben: N= 47

2.5 Varianzanalytischer Vergleich zwischen Probanden mit Cortisol-Ausreißerwerten vs. Pbn ohne Cortisol-Ausreißerwerte jeweils pro Stichprobe

3 Definition Outlier nach Rousseeuw et al. 1999, Tukey 1977

3.1 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium: Md + 4*(Q3 – Md) bzw. Md + 4*(Q1 – Md):

3.2 Stichprobenspezifische Zusammenfassung von Probanden mit Cortisolausreißerwerten

3.3 Vergleichsstichprobe ohne Cortisolausreißer

1 Cortisolausreißer – Kriterium: vier Standardabweichungen über / unterhalb Mittelwert Vergleichsstichprobe

1.1 Stichproben-, tages- und messzeitpunktspezifische Grenzwerte

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Stichprobe	Tag	Messung	MW	SD	oberer Grenzwert	unterer Grenzwert
FMS	1	1	13.6142	5.5257	35.717	-8.488
FMS	1	2	19.7444	12.1815	68.470	-28.981
FMS	1	3	7.4194	5.7664	30.485	-15.646
FMS	1	4	5.4738	4.6333	24.007	-13.059
FMS	1	5	1.7147	2.1688	10.390	-6.960
FMS	2	1	12.9622	6.6742	39.659	-13.735
FMS	2	2	16.1529	13.1385	68.707	-36.401
FMS	2	3	8.5713	8.3567	41.998	-24.856
FMS	2	4	24.3647	77.7331	335.297	-286.568
FMS	2	5	3.1843	6.4481	28.977	-22.608
FMS	3	1	15.0171	10.3190	56.293	-26.259
FMS	3	2	16.5150	16.4558	82.338	-49.308
FMS	3	3	7.7900	4.4722	25.679	-10.099
FMS	3	4	2.8575	2.2617	11.904	-6.189
FMS	3	5	3.6350	6.9137	31.290	-24.020
FMS	4	1	11.9750	5.2410	32.939	-8.989
FMS	4	2	19.0963	14.5729	77.388	-39.195
FMS	4	3	7.3577	5.3930	28.930	-14.214
FMS	4	4	3.5053	2.7734	14.599	-7.588
FMS	4	5	3.4294	6.0376	27.580	-20.721
FMS	5	1	18.6567	23.5866	113.003	-75.690
FMS	5	2	20.3918	15.2784	81.505	-40.722
FMS	5	3	8.7493	6.6450	35.329	-17.831
FMS	5	4	3.1769	3.4433	16.950	-10.596
FMS	5	5	1.2923	1.1548	5.912	-3.327
FMS	6	1	15.9029	5.4410	37.667	-5.861
FMS	6	2	16.4856	14.4667	74.352	-41.381
FMS	6	3	12.7112	21.4658	98.574	-73.152
FMS	6	4	6.1180	14.4522	63.927	-51.691
FMS	6	5	2.6750	5.2009	23.478	-18.128
FMS	7	1	14.8288	8.4125	48.479	-18.821
FMS	7	2	17.4006	11.6431	63.973	-29.172
FMS	7	3	8.7660	8.1375	41.316	-23.784
FMS	7	4	3.4307	2.6183	13.904	-7.043
FMS	7	5	3.4986	5.6280	26.011	-19.014
KON	1	1	14.6030	5.6265	37.109	-7.903
KON	1	2	22.5674	9.4775	60.477	-15.342
KON	1	3	5.6080	4.6511	24.212	-12.996
KON	1	4	4.7489	2.8888	16.304	-6.806
KON	1	5	1.8565	1.7762	8.961	-5.248

KON	2	1	14.1420	7.2326	43.072	-14.788
KON	2	2	19.4895	11.5317	65.616	-26.637
KON	2	3	6.5917	4.0771	22.900	-9.717
KON	2	4	4.0358	2.7300	14.956	-6.884
KON	2	5	2.0237	1.7362	8.968	-4.921
KON	3	1	13.9847	6.0349	38.124	-10.155
KON	3	2	21.8939	10.3666	63.360	-19.573
KON	3	3	6.1256	3.9631	21.978	-9.727
KON	3	4	4.4641	2.8101	15.705	-6.776
KON	3	5	1.9622	1.4509	7.766	-3.841
KON	4	1	13.8621	6.2000	38.662	-10.938
KON	4	2	21.4467	11.3908	67.010	-24.116
KON	4	3	7.3200	4.0494	23.518	-8.878
KON	4	4	3.0807	1.8647	10.539	-4.378
KON	4	5	2.0993	2.1860	10.843	-6.645
KON	5	1	14.7822	8.3404	48.144	-18.579
KON	5	2	19.1106	9.1528	55.722	-17.501
KON	5	3	7.7653	3.9095	23.403	-7.873
KON	5	4	4.8747	3.7069	19.702	-9.953
KON	5	5	2.4906	3.7070	17.319	-12.337
KON	6	1	13.2406	5.3617	34.687	-8.206
KON	6	2	19.5971	12.8351	70.9376	-31.7435
KON	6	3	7.1241	4.6340	25.6601	-11.4118
KON	6	4	4.4439	2.5668	14.7112	-5.8234
KON	6	5	2.2594	3.0407	14.4222	-9.9033
KON	7	1	17.0939	8.8166	52.3604	-18.1727
KON	7	2	21.1706	11.9237	68.8655	-26.5243
KON	7	3	8.0094	5.5965	30.3956	-14.3767
KON	7	4	3.4383	2.2935	12.6122	-5.7355
KON	7	5	1.8875	1.1808	6.6107	-2.8357
URS	1	1	16.3096	11.2745	61.4077	-28.7884
URS	1	2	19.8788	10.0527	60.0897	-20.3321
URS	1	3	5.8712	4.0162	21.9359	-10.1935
URS	1	4	3.8675	3.8778	19.3786	-11.6436
URS	1	5	2.4448	2.8243	13.7421	-8.8525
URS	2	1	13.2207	5.8661	36.6850	-10.2435
URS	2	2	18.8017	10.4418	60.5690	-22.9657
URS	2	3	5.4075	5.5343	27.5447	-16.7297
URS	2	4	3.1183	3.5255	17.2201	-10.9836
URS	2	5	1.4417	1.5621	7.6902	-4.8069
URS	3	1	15.3830	8.4460	49.1668	-18.4009
URS	3	2	18.6738	12.4500	68.4737	-31.1260
URS	3	3	4.7977	3.5236	18.8922	-9.2967
URS	3	4	2.6177	1.7253	9.5190	-4.2836
URS	3	5	1.4981	1.3760	7.0022	-4.0061
URS	4	1	15.8207	9.1099	52.2603	-20.6188
URS	4	2	16.4471	10.2204	57.3288	-24.4347
URS	4	3	4.9514	3.2846	18.0896	-8.1869
URS	4	4	2.7007	2.7016	13.5071	-8.1056

URS	4	5	1.4448	1.0718	5.7321	-2.8425
URS	5	1	16.2341	8.1247	48.7327	-16.2646
URS	5	2	18.5892	11.6251	65.0897	-27.9113
URS	5	3	5.4650	3.3070	18.6928	-7.7628
URS	5	4	3.8961	6.2497	28.8950	-21.1029
URS	5	5	1.6665	1.2315	6.5924	-3.2593
URS	6	1	16.3589	9.5089	54.3943	-21.6766
URS	6	2	18.3445	7.0452	46.5254	-9.8363
URS	6	3	5.8533	4.5663	24.1186	-12.4119
URS	6	4	2.6045	2.1188	11.0799	-5.8708
URS	6	5	1.3848	1.2122	6.2337	-3.4641
URS	7	1	19.4778	12.0585	67.7117	-28.7561
URS	7	2	19.5988	13.8590	75.0348	-35.8373
URS	7	3	6.5618	5.3844	28.0994	-14.9758
URS	7	4	3.0512	4.0724	19.3407	-13.2383
URS	7	5	1.3662	1.0385	5.5204	-2.7880

1.2 Stichproben-, und messzeitpunktspezifische Grenzwerte über alle Tage hinweg

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Stichpr	Messung	MW	SD	oberer Grenzwert	unterer Grenzwert
FMS	1	14.6873	11.0463	58.873	-29.498
FMS	2	18.0260	13.6807	72.749	-36.697
FMS	3	8.8486	10.3890	50.405	-32.707
FMS	4	7.0084	30.0118	127.056	-113.039
FMS	5	2.7718	5.1107	23.215	-17.671
KON	1	14.5158	6.8251	41.816	-12.785
KON	2	20.7639	10.7989	63.960	-22.432
KON	3	6.8990	4.4279	24.611	-10.813
KON	4	4.1881	2.7745	15.286	-6.910
KON	5	2.0747	2.2385	11.028	-6.879
URS	1	16.1150	9.3998	53.714	-21.484
URS	2	18.6302	10.9037	62.245	-24.985
URS	3	5.5489	4.2727	22.640	-11.542
URS	4	3.1101	3.6727	17.801	-11.581
URS	5	1.6032	1.5794	7.921	-4.715

1.3 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium 4 Standardabweichungen über / unterhalb dem MW der Vergleichsstichprobe:

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	11	2	15.38	2	15.38
1	34	1	7.69	3	23.08
1	40	1	7.69	4	30.77
1	42	1	7.69	5	38.46
1	79	2	15.38	7	53.85
1	87	4	30.77	11	84.62
1	97	1	7.69	12	92.31
1	101	1	7.69	13	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
out	11	2	15.38	2	15.38
out	34	1	7.69	3	23.08
out	40	1	7.69	4	30.77
out	42	1	7.69	5	38.46
out	79	2	15.38	7	53.85
out	87	4	30.77	11	84.62
out	97	1	7.69	12	92.31
out	101	1	7.69	13	100.00

Stichprobe	Code Pb	Alter/ Sex	Tag	Monitorzeit [hh:min]	MZP	MW Cortisol	SD Cortisol	Cortisolwert
URS	11	50 / w	7	14:55	3.	5.51	4.27	24.5
	34	28 / m	2	09:50	3.	5.51	4.27	26.6
	11	50 / w	7	17:53	4.	3.11	3.67	20.4
	40	62 / w	5	18:46	4.	3.11	3.67	31.38
	42	41 / w	1	24:46	5.	1.59	1.60	13.2
FMS	87	60 / w	5	04:59	1.	14.46	11.05	107.66
	87	60 / w	6	10:38	3.	8.53	10.39	91.66
	87	60 / w	2	16:27	4.	6.81	30.01	304.98
	87	60 / w	2	21:00	5.	2.62	5.11	25.34
	101	50 / w	3	20:05	5.	2.62	5.11	25.33
KON	79	55 / m	5	16:23	4.	4.19	2.77	15.99
	79	55 / m	6	21:39	5.	2.07	2.24	13.14
	97	52 / w	5	19:58	5.	2.07	2.24	15.46

1.4 Zusammenfassung Einzeldaten Probanden mit Cortisolausreißerwerten

Zahl der Probanden mit Ausreißerwerten: N=8, davon 6 Frauen und 2 Männer.

Verteilung auf die Stichproben mit Angaben zu:
Soziodemographie, Schmerzdiagnosen und Schmerzcharakteristika sowie Symptomen psychischer und somatischer Erkrankungen und Tagebuchangaben.
(Angabe von MW= Mittelwert, SD= Standardabweichung, Range bzw. Einzelwerte)

	URS (N= 4)	**FMS (N= 2)**	**KON (N= 2)**
Geschlechtsverteilung	Frauen: N= 3 Männer: N= 1	Frauen: N= 2	Frauen: N= 1 Männer: N= 1
Alter	MW= 45.3, SD= 14.36 Range: 28-62 Jahren	MW= 54.5, SD= 6.36 Einzelwerte: 50 und 59 Jahre	MW= 53.5, SD= 2.12 Einzelwerte: 52 und 55 Jahre
Schmerzcharakteristika			
Schmerzdiagnose:	Osteochondrose HWS-Syndrom HWS-/LWS-Syndrom + Polyarthrose LWS-Syndrom	HWS-/LWS- Syndrom, FMS bei beiden Ptn	Keine Schmerz-diagnosen
Chronic Pain Grade (von Korff et al. 1991)	1, 2, 3, 4	1 und 4	Keine Schmerzen
Schmerzdauer in Monaten	MW= 80.75, SD= 127.89 Range= 9-272 Monaten	MW= 235.75, SD= 94.95 Einzelwerte: 182 und 288 Monate	Keine Schmerzen
Somatische Komorbidität			
Giessener Beschwerdebogen: Skala Gesamtbeschwerdedruck (Prozentrang)	MW= 68.75, SD= 16.86 Range= 47-87	Miss: N= 1, verbleibender Wert: PR= 97	MW= 5.5 , SD= 3.54, Einzelwerte: 3 und 8
Beschwerdeliste (vgl. mit gesunder Normstichprobe)	MW= 62.37, SD= 5.35, Range= 58.7-68.5 (Miss: N= 1)	Miss: N= 1, verbleibender Wert: T= 77,5	Miss: N= 1, verbleibender Wert: T= 32.1:
Psychische Komorbidität			
Allgemeine Depressionsskala (PR)	MW= 80.25, SD= 10.37, Range= 67-89	Miss: N=1, verbleibender Wert: PR= 93	MW= 4.5, SD= 3.54, Einzelwerte: PR von 3 und 6
State-Trait Angstinventar (PR)	MW=69.25, SD= 37.46 Range: 14-93	MW= 79, SD= 28.28, Einzelwerte: PR von 59 und 99	MW= 6.5, SD= 7.78, Einzelwerte: PR von 1 und 12

Fortsetzung Tabelle:

	URS (N= 4)	FMS (N= 2)	KON (N= 2)
Allgemeiner Gesundheitszustand / Gesundheitsverhalten			
SF36: standardisierte körperliche Summenskala	MW= 36.96, SD= 6.14, Range= 27.88-40.87	MW= 23.26, SD= 7.65 Einzelwerte: 28.67 und 17.85	Miss: N= 1, Einzelwert: 56.75
SF36: standardisierte psychische Summenskala	MW= 44.24, SD=9.6, Range= 35.38-57.81	MW= 38.05, SD= 12.91, Einzelwerte: 28.92 und 47.18	Miss: N= 1, Einzelwert: 61.16
Rauchen	Keine Raucher	Keine Raucher	Keine Raucher
Tagebuchdaten (Berücksichtigung der Daten an Tagen mit Cortisolausreißerwerten)			
Subj. Einschätzung Schlaf ausreichend	Schlaf ausreichend: N= 2 Schlaf nicht ausreichend: N= 2	Schlaf nicht ausreichend für N= 2 an allen Tagen	Schlaf ausreichend für N= 2 an allen Tagen
Arbeitsschicht:	Frei: N= 3 Reguläre Arbeitszeit: N= 1	Nicht arbeitstätig	Miss N=1, reguläre Arbeitszeit: N= 1 an beiden Tagen

1.5 Übersicht Medikamenteneinnahme – dargestellt sind die zu den Präparaten zugehörigen Medikamentengruppen (Arzneimittelpocket, Ruß 2005):

Gesunde Kontrollpersonen: keine Medikamenteneinnahme

Patienten mit Rückenschmerzen:
Pb 05: Antiepileptika, Analgetika, NSAR (3 Präparate),
Pb 23: NSAR, Analgetika-Kombinationspräparat
Pb 47: NSAR, Hormonpräparat, Vitamin
Pb 102: Antidepressiva

Patienten mit Fibromyalgie:
Pb 179: Opioid-Analgetika, NSAR (2 Präparate), Antidepressiva, Sedativa
Pb 199: Hormonpräparat, Phytotherapeutika

2 Cortisolausreißer –Kriterium: Interquartilsabstand * Faktor

- ciq = cq3 - cq1; /* Interquartilabstand Q3-Q1 */
  looufence= cq1 - 3.0 * ciq; /* lower outer fence (extreme outlier) */
  hioufence= cq3 + 3.0 * ciq; /* upper outer fence (extreme outlier) */

2.1 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium: 3*IQA über Q3 bzw. unterhalb Q1 der Vergleichsstichprobe:

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Stichpr.	tag	messung	median	hioufence_ iqa	looufence_ iqa
FMS	1	1	13.270	35.700	-8.400
FMS	1	2	19.085	82.360	-40.350
FMS	1	3	6.500	31.760	-18.010
FMS	1	4	4.550	27.720	-17.570
FMS	1	5	0.860	6.400	-4.100
FMS	2	1	13.465	47.770	-21.040
FMS	2	2	12.930	50.070	-18.950
FMS	2	3	5.810	39.270	-24.360
FMS	2	4	3.220	25.040	-16.540
FMS	2	5	1.555	5.960	-3.070
FMS	3	1	13.290	39.960	-12.050
FMS	3	2	12.025	81.040	-55.530
FMS	3	3	6.755	27.320	-10.690
FMS	3	4	2.650	11.330	-6.170
FMS	3	5	1.085	7.960	-5.340
FMS	4	1	11.320	30.300	-6.100
FMS	4	2	21.540	97.170	-64.950
FMS	4	3	6.670	18.610	-6.380
FMS	4	4	3.350	18.460	-12.760
FMS	4	5	1.455	7.340	-4.455
FMS	5	1	12.075	32.420	-6.990
FMS	5	2	17.410	69.860	-34.090
FMS	5	3	7.220	39.700	-22.810
FMS	5	4	2.600	11.760	-6.790
FMS	5	5	0.780	6.040	-3.550
FMS	6	1	14.800	38.310	-6.980
FMS	6	2	12.695	55.745	-29.060
FMS	6	3	6.110	25.750	-13.450
FMS	6	4	2.370	16.420	-10.740
FMS	6	5	1.065	6.420	-3.660
FMS	7	1	13.730	47.560	-16.980
FMS	7	2	18.680	77.510	-46.950
FMS	7	3	5.730	39.280	-22.950
FMS	7	4	2.740	17.130	-10.590
FMS	7	5	1.150	13.240	-9.020

Stichpr.	tag	messung	median	hioufence_ iqa	looufence_ iqa
KON	1	1	14.805	34.820	-7.950
KON	1	2	23.870	70.960	-26.760
KON	1	3	5.085	23.930	-13.835
KON	1	4	4.310	19.500	-9.200
KON	1	5	1.360	8.640	-5.535
KON	2	1	13.025	42.115	-13.325
KON	2	2	17.650	64.320	-25.000
KON	2	3	6.205	28.230	-14.470
KON	2	4	3.960	14.330	-6.670
KON	2	5	1.440	11.290	-7.400
KON	3	1	13.730	31.800	-4.880
KON	3	2	23.280	71.280	-26.580
KON	3	3	5.920	20.900	-9.970
KON	3	4	3.400	15.040	-6.030
KON	3	5	1.545	9.000	-5.280
KON	4	1	14.460	48.620	-21.450
KON	4	2	24.130	68.530	-29.050
KON	4	3	7.385	17.545	-3.000
KON	4	4	2.930	9.310	-3.150
KON	4	5	1.510	9.100	-6.020
KON	5	1	12.795	60.860	-30.770
KON	5	2	19.370	61.590	-24.650
KON	5	3	7.580	28.670	-12.420
KON	5	4	3.780	16.730	-8.680
KON	5	5	1.685	10.400	-6.960
KON	6	1	15.145	36.080	-7.950
KON	6	2	23.070	88.860	-48.130
KON	6	3	6.900	22.090	-9.270
KON	6	4	4.220	18.050	-9.390
KON	6	5	1.475	6.340	-3.670
KON	7	1	16.285	57.360	-24.820
KON	7	2	18.820	52.560	-14.080
KON	7	3	7.265	25.810	-10.170
KON	7	4	3.055	8.900	-3.630
KON	7	5	1.985	7.465	-3.875
URS	1	1	14.570	60.800	-33.000
URS	1	2	18.700	61.580	-21.440
URS	1	3	4.800	13.530	-3.340
URS	1	4	2.650	17.685	-11.330
URS	1	5	1.400	13.340	-8.780
URS	2	1	12.200	38.960	-11.370
URS	2	2	18.750	79.965	-40.820
URS	2	3	4.100	21.545	-12.055
URS	2	4	2.100	14.010	-8.670
URS	2	5	0.860	3.620	-1.735
URS	3	1	15.770	59.800	-29.100
URS	3	2	16.700	62.010	-27.380

Stichpr.	tag	messung	median	hioufence_ iqa	looufence_ iqa
URS	3	3	3.450	18.600	-9.400
URS	3	4	2.600	6.900	-2.200
URS	3	5	1.015	4.920	-2.640
URS	4	1	13.800	47.900	-18.250
URS	4	2	17.415	58.450	-27.300
URS	4	3	4.230	19.800	-10.300
URS	4	4	2.300	9.900	-5.500
URS	4	5	1.370	5.500	-2.900
URS	5	1	15.600	42.100	-9.700
URS	5	2	17.800	69.700	-34.600
URS	5	3	4.555	18.900	-9.100
URS	5	4	2.330	7.980	-3.640
URS	5	5	1.130	8.400	-4.900
URS	6	1	16.250	57.500	-27.900
URS	6	2	16.950	52.000	-14.500
URS	6	3	4.200	24.850	-14.000
URS	6	4	2.215	8.100	-3.800
URS	6	5	1.000	5.470	-2.860
URS	7	1	16.030	88.040	-44.820
URS	7	2	16.540	47.850	-16.095
URS	7	3	4.815	23.320	-12.240
URS	7	4	2.100	10.200	-5.900
URS	7	5	1.000	5.800	-3.300

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

The FREQ Procedure

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	6	2	1.80	2	1.80
1	7	1	0.90	3	2.70
1	8	3	2.70	6	5.41
1	11	4	3.60	10	9.01
1	12	3	2.70	13	11.71
1	14	8	7.21	21	18.92
1	27	3	2.70	24	21.62
1	31	1	0.90	25	22.52
1	32	4	3.60	29	26.13
1	33	3	2.70	32	28.83
1	34	3	2.70	35	31.53
1	35	1	0.90	36	32.43
1	36	1	0.90	37	33.33
1	37	1	0.90	38	34.23
1	40	4	3.60	42	37.84
1	42	1	0.90	43	38.74
1	43	4	3.60	47	42.34
1	45	1	0.90	48	43.24
1	60	1	0.90	49	44.14

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	68	1	0.90	50	45.05
1	69	3	2.70	53	47.75
1	70	1	0.90	54	48.65
1	72	1	0.90	55	49.55
1	76	1	0.90	56	50.45
1	77	3	2.70	59	53.15
1	78	3	2.70	62	55.86
1	79	4	3.60	66	59.46
1	81	1	0.90	67	60.36
1	83	11	9.91	78	70.27
1	86	2	1.80	80	72.07
1	87	10	9.01	90	81.08
1	90	3	2.70	93	83.78
1	92	1	0.90	94	84.68
1	93	2	1.80	96	86.49
1	94	1	0.90	97	87.39
1	95	4	3.60	101	90.99
1	96	1	0.90	102	91.89
1	97	3	2.70	105	94.59
1	100	2	1.80	107	96.40
1	101	4	3.60	111	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	7	1	0.90	1	0.90
extr	8	2	1.80	3	2.70
extr	11	4	3.60	7	6.31
extr	14	2	1.80	9	8.11
extr	27	1	0.90	10	9.01
extr	32	2	1.80	12	10.81
extr	33	1	0.90	13	11.71
extr	34	2	1.80	15	13.51
extr	40	2	1.80	17	15.32
extr	77	1	0.90	18	16.22
extr	78	1	0.90	19	17.12
extr	79	1	0.90	20	18.02
extr	83	7	6.31	27	24.32
extr	86	1	0.90	28	25.23
extr	87	7	6.31	35	31.53
extr	92	1	0.90	36	32.43
extr	93	1	0.90	37	33.33
extr	97	1	0.90	38	34.23
extr	101	1	0.90	39	35.14

2.2 Deskription Probanden mit extremen Outliern

Angaben zu Stichprobenzugehörigkeit, Tag, Messzeitpunkt (MZP), Monitorzeit, Interquartilsabstand oberes und unteres Limit, Cortisolausreißerwert des jeweiligen Pb

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	Q1-3*IQA	Q3+3*IQA	Cortisolwert
URS	7	63 / m	4	4.	14:41	-5.5	9.9	14.3
	8	38 / m	2	5.	23:13	-1.735	3.62	5.1
	8	38 / m	3	4.	16:29	-2.2	6.9	8.1
	11	50 / w	2	5.	21:09	-1.735	3.62	4.6
	11	50 / w	7	2.	08:35	-16.095	47.85	59.1
	11	50 / w	7	3.	14:55	-12.24	23.32	24.5
	11	50 / w	7	4.	17:53	-5.9	10.2	20.4
	14	65 / m	1	3.	10:53	-3.34	13.53	16.9
	14	65 / m	3	5.	21:46	-2.64	4.92	5.2
	27	41 / m	2	5.	23:35	-1.735	3.62	5.6
	32	49 / w	6	4.	17:34	-3.8	8.1	10.1
	32	49 / w	7	2.	07:18	-16.095	47.85	48.8
	33	60 / m	2	4.	17:34	-8.67	14.01	16.7
	34	28 / m	1	3.	11:47	-3.34	13.53	15.8
	34	28 / m	2	3.	09:50	-12.055	21.545	26.6
	40	62 / w	5	4.	18:46	-3.64	7.98	31.38
	40	62 / w	6	5.	21:54	-2.86	5.47	6.16
FMS	83	28 / m	1	5.	19:57	-4.1	6.4	6.86
	83	28 / m	2	2.	07:52	-18.95	50.07	56.19
	83	28 / m	3	5.	20:01	-5.34	7.96	11.57
	83	28 / m	4	3.	09:59	-6.38	18.61	19.35
	83	28 / m	4	5.	21:46	-4.455	7.34	14.35
	83	28 / m	5	1.	06:56	-6.99	32.42	40:02
	83	28 / m	5	4.	18:03	-6.79	11.76	13.59
	86	32 / w	6	3.	09:54	-13.45	25.75	28.24

Fortsetzung Tabelle

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	Q1-3*IQA	Q3+3*IQA	Cortisolwert
FMS	87	59 / w	2	4.	16:27	-16.54	25.04	304.98
	87	59 / w	2	5.	21:00	-3.07	5.96	25.34
	87	59 / w	3	1.	06:38	-12.05	39.96	48.25
	87	59 / w	4	5.	20:28	-4.455	7.34	22.21
	87	59 / w	5	1.	04:59	-6.99	32.42	107.66
	87	59 / w	6	3.	10:38	-13.45	25.75	91.66
	87	59 / w	6	4.	16:10	-10.74	16.42	57.98
	92	56 / w	7	5.	20:19	-9.02	13.24	20:87
	93	66 / w	6	5.	20:05	-3.66	6.42	20.52
	101	50 / w	3	5.	20:05	-5.34	7.96	25.33
KON	77	66 / m	3	1.	06:08	-4.88	31.8	33.54
	78	27 / m	4	3.	09:47	-3	17.545	18.46
	79	55 / m	6	5.	21:39	-3.67	6.34	13.14
	97	52 / w	5	5.	19:58	-6.96	10.4	15.46

Fortsetzung Tabelle a) mit Tagebuchangaben zu Schlaf und Arbeitsschicht zu jeweiligem Messzeitpunkt mit auffälligen Cortisolwerten: Schlaf: 0= Schlaf nicht ausreichend zu jeweiligem MZP, 1= Schlaf ausreichend

Stichprobe	Code Pb	Tag	MZP	Schlaf	Arbeitsschicht
URS	7	4	4.	1	Keine Arbeit
	8	2	5.	1	Frei
	8	3	4.	1	
	11	2	5.	1	Frei
	11	7	2.	1	
	11	7	3.	1	
	11	7	4.	1	
	14	1	3.	1	Keine Arbeit
	14	3	5.	1	
	27	2	5.	1	Kein Arbeit
	32	6	4.	1	Arbeitszeit regulär
	32	7	2.	0	Arbeitszeit regulär
	33	2	4.	1	Keine Arbeit
	34	1	3.	0	Arbeitszeit regulär
	34	2	3.	0	Arbeitszeit regulär

Fortsetzung Tabelle:

Stichprobe	Code Pb	Tag	MZP	Schlaf	Arbeitsschicht
	40	5	4.	0	Keine Arbeit
	40	6	5.	0	
FMS	83	1	5.	1	Arbeitszeit regulär
	83	2	2.	1	Arbeitszeit regulär
	83	3	5.	1	Arbeitszeit regulär
	83	4	3.	1	Frei
	83	4	5.	1	Frei
	83	5	1.	1	Frei
	83	5	4.		Frei
	86	6	3.	1	Frei
	87	2	4.	0	Rentner
	87	2	5.	0	
	87	3	1.	0	
	87	4	5.	0	
	87	5	1.	0	
	87	6	3.	0	
	87	6	4.	0	
	92	7	5.	0	Miss
	93	6	5.	1	Frei
	101	3	5.	0	Hausfrau
KON	77	3	1.	1	Frei
	78	4	3.	1	Arbeitszeit regulär
	79	6	5.	1	Arbeitszeit regulär
	97	5	5.	1	Hausfrau

Ergänzende Informationen zu Probanden mit extremen Ausreißern mit Angaben aus Interview unmittelbar vor Zeitpunkt der Cortisolmessung

Geschlecht: M= männlich, W= weiblich
CPG: Chronic Pain Grade (von Korff et al. 1992)
Dauer Schmerzen: Angaben in Monaten
GBBB: Skalenwerte des Giessener Beschwerdebogens, Skala „Gesamtbeschwerdedruck“ (Brähler und Scheer 1995) – Angabe Prozentrang, Vergleichsstichprobe Normalbevölkerung
BL-TWert: T-Wert des Fragebogens Beschwerdeliste (von Zerssen et al. 1976)
ADS_PR: Prozentrang der allgemeinen Depressionsskala (Hautzinger & Bailer 1993)
SF-K: Fragebogen zum Gesundheitszustand, körperliche Summenskala, standardisierter Wert (Bullinger & Kirchberger 1998)
SF-P: Fragebogen zum Gesundheitszustand, psychische Summenskala, standardisierter Wert (Bullinger & Kirchberger 1998)
Raucher: 1= ja, 0= nein

Stich-probe	**Code Pb**	**Alter**	**Sex**	**Weitere Erkrankungen**	**CPG**	**Dauer Schmerz**	**Medikamente**	**GBB-Ges. PR**	**BL-TWert**	**ADS PR**	**STAI PR**	**SF-K**	**SF-P**	**Rau-cher**
URS	7	63	M	Hochdruck, erhöhte Fettwerte, Blutwerte erhöht, Erektionsstör.	3	331	Keine	69	70.9	88	92	26.4	43.3	0
	8	38	M	Allergien, malignes Melanom	3	128	Keine	47	Miss	42	36	50.1	56.2	0
	11	50	W	Keine	4	11	NSAR	87	Miss	77	78	38.6	40.7	0
	14	65	M	Bluthochdruck, Allergien	2	164	NSAR, Sedativa,	46	66.2	42	19	36.8	62.2	0
	27	41	M	Bluthochdruck	3	34	Opioid	85	72.7	80	92	23.9	47.3	0
	32	49	W	Allergien, Magenschleimhautentzündung	2	66	NSAR	97	70.3	96	86	42.4	38.9	0
	33	60	M	Bluthochdruck, Allergien, Harnwegs-erkrankung	4	13	NSAR, Urospamatikum	76	70.9	94	67	34.9	31.3	1
	34	28	M	Keine	1	31	Antidepressiva	75	58.7	88	92	40.9	43.1	0
	40	62	W	Allergien	2	272	NSAR. Hormonpräparat gynäkologisch	47	59.9	67	14	27.9	57.8	0

Stich-probe	Code Pb	Alter	Sex	Schmerzdiagnose	CPG	Dauer Schmerz	Medikamente	GBB-Ges. PR	BL-T-Wert	ADS PR	STAI PR	SF K	SF P	Rau-cher ja/nein
FMS	83	28	m	Allergien, Harnwegserkrankungen	3	127	THC	95	61.7	20	27	45.5	56.4	0
	86	31	W	Asthma, Gastritis, Hashimoto Thyreoiditis, Allergien	1	95	Antidepressiva Hormonpräparat Schilddrüse	73	miss	72	97	37.2	46.5	0
	87	59	W	Allergien, Asthma, Bronchitis, chron. Gastritis	miss	288	NSAR, Opioid, Antidepressiva, Sedativa	99	Miss	Miss	59	17.9	47.2	0
	92	56	W	Allergien, Schilddrüsenerkrankung, Herzinfarkt	2	240	NSAR, Antidepressiva, Hormonpräparat. Schilddrüse, Muskelrelaxanz	98	77.5	89	99	34.2	25.9	0
	93	65	W	Bluthochdruck, erhöhte Blutfettwerte, Gallengries	2	190	Antihypertens., Hormonpräparat Schilddrüse Lipidsenker, Ulkusth.	83	68.9	72	23	30.7	37.8	0
	101	50	W	Allergien, Depression, Reizung Magen-Darm	4	182	Hormonpräparat gyn., Phytothera-peutikum	97	77.5	93	99	28.7	28.9	0
KON	77	65	M	Keine	_	_	_	12	47.3	2	19	57.1	61.1	0
	78	26	M	Keine	_	_	_	23	41.2	Miss	3	59.7	51.8	0
	79	55	M	Keine	_	_	_	8	Miss	6	12	56.8	61.2	0
	97	52	w	Keine	_	_	_	Miss	32.1	1	2	59.3	56.7	0

Abhängigkeit des Auftretens der Outlier von Tag und / oder Messzeitpunkt

Verteilung der Outlier pro Stichprobe auf die sieben Tage

Stichprobe Frequency Percent Row Pct Col Pct	tag 1	2	3	4	5	6	7	Total
FMS	1 2.56 5.56 33.33	3 7.69 16.67 37.50	3 7.69 16.67 50.00	3 7.69 16.67 60.00	3 7.69 16.67 60.00	4 10.26 22.22 57.14	1 2.56 5.56 20.00	18 46.15
KON	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 2.56 25.00 16.67	1 2.56 25.00 20.00	1 2.56 25.00 20.00	1 2.56 25.00 14.29	0 0.00 0.00 0.00	4 10.26
URS	2 5.13 11.76 66.67	5 12.82 29.41 62.50	2 5.13 11.76 33.33	1 2.56 5.88 20.00	1 2.56 5.88 20.00	2 5.13 11.76 28.57	4 10.26 23.53 80.00	17 43.59
Total	3 7.69	8 20.51	6 15.38	5 12.82	5 12.82	7 17.95	5 12.82	39 100.00

Verteilung der Outlier pro Stichprobe auf die fünf Messzeitpunkte

Stichprobe Frequency Percent Row Pct Col Pct	messung 1	2	3	4	5	Total
FMS	3 7.69 16.67 75.00	1 2.56 5.56 33.33	3 7.69 16.67 37.50	3 7.69 16.67 33.33	8 20.51 44.44 53.33	18 46.15
KON	1 2.56 25.00 25.00	0 0.00 0.00 0.00	1 2.56 25.00 12.50	0 0.00 0.00 0.00	2 5.13 50.00 13.33	4 10.26
URS	0 0.00 0.00 0.00	2 5.13 11.76 66.67	4 10.26 23.53 50.00	6 15.38 35.29 66.67	5 12.82 29.41 33.33	17 43.59
Total	4 10.26	3 7.69	8 20.51	9 23.08	15 38.46	39 100.00

2.3 Stichprobenspezifische Zusammenfassung von Probanden mit Cortisolausreißerwerten

Zahl der Probanden mit Ausreißerwerten: N=19, verteilt auf 39 Messungen

Verteilung der Probanden mit Outliern auf die Stichproben mit Angaben zu: Soziodemographie, Schmerzdiagnosen und Schmerzcharakteristika sowie Symptomen psychischer und somatischer Erkrankungen und Tagebuchangaben.
(Angabe von MW= Mittelwert, SD= Standardabweichung, Range bzw. Einzelwerte)

	URS (N= 9)	**FMS (N= 6)**	**KON (N= 4)**
Geschlechtsverteilung	Frauen: N= 3 Männer: N= 6	Frauen: N= 5 Männer: N= 1	Frauen: N= 1 Männer: N= 3
Alter	MW= 50.7, SD= 12.96 Range: 28-63 Jahren	MW= 48.17, SD= 15.28 Range: 28-65 Jahre	MW= 49.5, SD= 16.62 Range: 26-65 Jahre
Schmerzcharakteristika			
Schmerzdiagnose:	LWS-, HWS-Syndrom (N= 3), LWS-Syndrom, radikulärer Rückenschmerz (N= 2), HWS-Syndrom+Spannungs-kopfschmerz	FMS bei allen, weitere Diagnosen: Postnucleotomie, HWS-LWS-Syndrom, (N= 3)	Keine Schmerz-diagnosen
Chronic Pain Grade (von Korff et al. 1991)	1: N= 1 2: N= 3 3: N= 3 4: N= 2	1: N= 1 2: N= 2 3: N= 1 4: N= 1 miss: N= 1	Keine Schmerzen
Schmerzdauer in Monaten	MW= 116.67, SD= 117.84 Range= 11-331 Monaten	MW= 187.00, SD= 70.86 Range= 95-288 Monaten	Keine Schmerzen
Somatische Komorbidität			
Giessener Beschwerdebogen: Skala Gesamtbeschwerdedruck (Prozentrang)	MW= 68.89, SD= 19.17 Range= 46-97	MW= 90.83, SD= 10.52 Range= 83-99	MW= 14.3, SD= 7.77 Range= 8-23, Miss: N= 1
Beschwerdeliste (vgl. mit gesunder Normstichprobe)	MW= 67.09, SD= 5.68, Range= 58.7-72.7 Miss: N= 2	MW= 71.4, SD= 7.63 Range= 61.7-77.5 Miss: N= 2	MW= 40.2, SD= 7.65 Range= 32.1-47.3 Miss: N= 1

Fortsetzung Tabelle:

	URS (N= 9)	FMS (N= 6)	KON (N= 4)
Psychische Komorbidität			
Allgemeine Depressionsskala (PR)	MW= 74.89, SD= 20.65, Range= 42-96	MW= 69.2, SD= 29.13 Range= 20-93 Miss: N= 1	MW= 3, SD= 2.65 Range= 1-6 Miss: N= 1
State-Trait Angstinventar (PR)	MW=64, SD= 32.31 Range: 14-92	MW= 67.33, SD= 36.19 Range= 23-99	MW= 9, SD= 8.04 Range= 2-19
Allgemeiner Gesundheitszustand / Gesundheitsverhalten			
SF36: standardisierte körperliche Summenskala	MW= 35.77, SD= 8.48, Range= 23.94-50.14	MW= 32.35, SD= 9.24 Range= 17.85-45.49	MW= 58.23, SD= 1.50 Range= 56.75-59.71
SF36: standardisierte psychische Summenskala	MW= 46.75, SD=10.07, Range= 31.33-62.2	MW= 40.46, SD= 11.73 Range= 25.9-56.39	MW= 57.7, SD= 4.47 Range= 51.76-61.16
Rauchen	Raucher: N= 1 Nicht-Raucher: N= 8	Nicht-Raucher: N= 6	Nicht-Raucher: N= 4
Tagebuchdaten (Berücksichtigung Daten an Tagen / zu Messungen mit Cortisolausreißerwerten)			
Subj. Einschätzung Schlaf ausreichend	Schlaf ausreichend: N= 6 Pbn für alle 11 auffälligen Messungen Schlaf nicht ausreichend: N= 5 (für N= 2 bei jeweils allen 2 auffälligen Messungen + N= 1 bei einer von 2 auffälligen Messungen)	Schlaf ausreichend: N= 3 Pbn für alle 9 auffälligen Messungen; Schlaf nicht ausreichend für N= 3 Pbn für 9 auffällige Messungen	Schlaf ausreichend für N= 4 zu allen auffälligen Messungen
Arbeitsschicht:	Frei: N= 2 Reguläre Arbeitsz.: N= 2 keine Arbeit: N= 5	Frei: N= 2 Rentner: N= 1 Hausfrau: N= 1 Reguläre Arbeitsz.+ frei gemischt: N= 1 Miss: N= 1	Frei: N= 1 Reguläre Arbeitsz.: N= 2 Hausfrau: N= 1

2.4 Vergleichsdaten Gesamtstichproben: N= 47

	URS (N= 18)	FMS (N= 13)	KON (N= 16)
Geschlechtsverteilung	Frauen: N= 13 Männer: N= 5	Frauen: N= 13	Frauen: N= 8 Männer: N= 8
Alter	MW= 55.06, SD= 10.55	MW= 52.16, SD= 9.67	MW= 51.19, SD= 9.84
Schmerzcharakteristika			
Schmerzdiagnose:	Siehe Tabelle xx in Methodenteil abzüglich der oben genannten Diagnosen		
Chronic Pain Grade (von Korff et al. 1991)	1: N= 3 2: N= 6 3: N= 6 4: N= 3 siehe unten ausführliche Tabelle	1: N= 2 2: N= 2 3: N= 3 4: N= 6	Keine Schmerzen
Schmerzdauer in Monaten	MW= 218.06, SD= 183.48 Range= 9-632 Monaten Miss: N= 1	MW= 95.44 SD= 117.67 Range= 12-393 Monaten Miss: N= 4	Keine Schmerzen
Somatische Komorbidität			
Giessener Beschwerdebogen: Skala Gesamtbeschwerdedruck (Prozentrang)	MW= 71.33, SD= 22.74 Range= 24-100	MW= 91.69, SD= 8.45 Range= 75-100	MW= 22.44, SD= 22.47 Range= 3-69
Beschwerdeliste (vgl. mit gesunder Normstichprobe)	MW= 65.09, SD= 8.64, Range= 50.9-85 Miss: N= 2	MW= 68.54, SD= 4.38 Range= 62.9-77.5 Miss: N= 2	MW= 49.13, SD= 6.66 Range= 38.7-60.9 Miss: N= 1
Psychische Komorbidität			
Allgemeine Depressionsskala (PR)	MW= 63.96, SD= 23.55, Range= 10-99.3 Miss: N= 1	MW= 69.08, SD= 16.89 Range= 33-91	MW= 29.54, SD= 31.63 Range= 1-93 Miss: N= 3
State-Trait Angstinventar (PR)	MW=62.88, SD= 28.95 Range: 2-100 Miss: N= 1	MW= 68.31, SD= 19.23 Range= 32-99	MW= 42.75, SD= 32.44 Range= 6-98
Allgemeiner Gesundheitszustand / Gesundheitsverhalten			
SF36: standardisierte körperliche Summenskala	MW= 34.54, SD= 8.54, Range= 21.05-49.23 Miss: N= 2	MW= 29.38, SD= 10.12 Range= 11.93-45.79 Miss: N= 1	MW= 56.39, SD= 2.16 Range= 50.95-59.56 Miss: N= 1
SF36: standardisierte psychische Summenskala	MW= 44.53, SD=10.9, Range= 24.66-67.49 Miss: N= 2	MW= 43.31, SD= 10.97 Range= 23.43-60.73 Miss: N= 1	MW= 53.55, SD= 5.68 Range= 40.17-59.95 Miss: N= 1
Rauchen	Raucher: N= 5 Nicht-Raucher: N= 13	Raucher: N= 3 Nicht-Raucher: N= 9 Miss: N= 1	Raucher: N= 1 Nicht-Raucher: N= 15

Tabelle zu Chronic Pain Grade (CPG, von Korff et al. 1992) – Häufigkeitsverteilung Gesamtstichprobe:

Stichprobe CPG_Grad

Stichprobe Frequency Percent Row Pct Col Pct	CPG_Grad 1	2	3	4	Total
FMS	2 6.45 15.38 40.00	2 6.45 15.38 25.00	3 9.68 23.08 33.33	6 19.35 46.15 66.67	13 41.94
URS	3 9.68 16.67 60.00	6 19.35 33.33 75.00	6 19.35 33.33 66.67	3 9.68 16.67 33.33	18 58.06
Total	5 16.13	8 25.81	9 29.03	9 29.03	31 100.00

2.5 Varianzanalytischer Vergleich zwischen Probanden mit Cortisol-Ausreißerwerten vs. Pbn ohne Cortisol-Ausreißerwerte jeweils pro Stichprobe (Ergebnisse nonparameterischer Testung werden zur Interpretation herangezogen)

Abkürzungen Variablen: Chronif= Schmerzdauer in Monaten, STAI_PR= Trait-Version des State-Trait Angstinventars (Laux et al. 1981) weitere Abkürzungen siehe unter 2.2

Patienten mit Rückenschmerzen

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	CHRONIF
1	ja	0	9	9
2	ne	0	17	17

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	CHRONIF	ERROR	ERROR	.
2	CHRONIF	ausreis	SS3	0.14797
3	CHRONIF	ja vs ne	CONTRAST	0.14797
4	chronif	ausreis	H-Test	0.13120
5	chronif	ja vs ne	U-Test	0.13120

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	GBBB
1	ja	0	9	9
2	ne	0	18	18

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	GBBB	ERROR	ERROR	.
2	GBBB	ausreis	SS3	0.87156
3	GBBB	ja vs ne	CONTRAST	0.87156
4	GBBB	ausreis	H-Test	0.79695
5	GBBB	ja vs ne	U-Test	0.79695

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	BL_Twert
1	ja	0	7	7
2	ne	0	16	16

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	BL_Twert	ERROR	ERROR	.
2	BL_Twert	ausreis	SS3	0.58420
3	BL_Twert	ja vs ne	CONTRAST	0.58420
4	bl_twert	ausreis	H-Test	0.38471
5	bl_twert	ja vs ne	U-Test	0.38471

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	ADS_PR
1	ja	0	9	9
2	ne	0	17	17

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	ADS_PR	ERROR	ERROR	.
2	ADS_PR	ausreis	SS3	0.25269
3	ADS_PR	ja vs ne	CONTRAST	0.25269
4	ads_pr	ausreis	H-Test	0.24590
5	ads_pr	ja vs ne	U-Test	0.24590

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	stai_pr
1	ja	0	9	9
2	ne	0	17	17

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	stai_pr	ERROR	ERROR	.
2	stai_pr	ausreis	SS3	0.92900
3	stai_pr	ja vs ne	CONTRAST	0.92900
4	stai_pr	ausreis	H-Test	0.95697
5	stai_pr	ja vs ne	U-Test	0.95697

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-K
1	ja	0	9	9
2	ne	0	16	16

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-K	ERROR	ERROR	.
2	SF-K	ausreis	SS3	0.73154
3	SF-K	ja vs ne	CONTRAST	0.73154
4	SF-K	ausreis	H-Test	0.77712
5	SF-K	ja vs ne	U-Test	0.77712

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-P
1	ja	0	9	9
2	ne	0	16	16

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-P	ERROR	ERROR	.
2	SF-P	ausreis	SS3	0.61968
3	SF-P	ja vs ne	CONTRAST	0.61968
4	SF-P	ausreis	H-Test	0.69189

5	SF-P	ja vs ne	U-Test	0.69189

Patienten mit FMS

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	CHRONIF
1	ja	0	5	5
2	ne	0	9	9

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	CHRONIF	ERROR	ERROR	.
2	CHRONIF	ausreis	SS3	0.19239
3	CHRONIF	ja vs ne	CONTRAST	0.19239
4	chronif	ausreis	H-Test	0.05293
5	chronif	ja vs ne	U-Test	0.05293

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	GBBB
1	ja	0	6	6
2	ne	0	13	13

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	GBBB	ERROR	ERROR	.
2	GBBB	ausreis	SS3	0.85069
3	GBBB	ja vs ne	CONTRAST	0.85069
4	GBBB	ausreis	H-Test	0.75752
5	GBBB	ja vs ne	U-Test	0.75752

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	BL_Twert
1	ja	0	4	4
2	ne	0	11	11

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	BL_Twert	ERROR	ERROR	.
2	BL_Twert	ausreis	SS3	0.37234
3	BL_Twert	ja vs ne	CONTRAST	0.37234
4	bl_twert	ausreis	H-Test	0.55437
5	bl_twert	ja vs ne	U-Test	0.55437

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	ADS_PR
1	ja	0	5	5
2	ne	0	13	13

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB

1	ADS_PR	ERROR	ERROR	.
2	ADS_PR	ausreis	SS3	0.99110
3	ADS_PR	ja vs ne	CONTRAST	0.99110
4	ads_pr	ausreis	H-Test	0.96061
5	ads_pr	ja vs ne	U-Test	0.96061

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	stai_pr
1	ja	0	6	6
2	ne	0	13	13

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	stai_pr	ERROR	ERROR	.
2	stai_pr	ausreis	SS3	0.93901
3	stai_pr	ja vs ne	CONTRAST	0.93901
4	stai_pr	ausreis	H-Test	0.75866
5	stai_pr	ja vs ne	U-Test	0.75866

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-K
1	ja	0	6	6
2	ne	0	12	12

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-K	ERROR	ERROR	.
2	SF-K	ausreis	SS3	0.55505
3	SF-K	ja vs ne	CONTRAST	0.55505
4	SF-K	ausreis	H-Test	0.45370
5	SF-K	ja vs ne	U-Test	0.45370

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-P
1	ja	0	6	6
2	ne	0	12	12

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-P	ERROR	ERROR	.
2	SF-P	ausreis	SS3	0.61758
3	SF-P	ja vs ne	CONTRAST	0.61758
4	SF-P	ausreis	H-Test	0.70793
5	SF-P	ja vs ne	U-Test	0.70793

Personen der Kontrollgruppe

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	GBBB
1	ja	0	3	3
2	ne	0	16	16

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	GBBB	ERROR	ERROR	.
2	GBBB	ausreis	SS3	0.55287
3	GBBB	ja vs ne	CONTRAST	0.55287
4	GBBB	ausreis	H-Test	1.00000
5	GBBB	ja vs ne	U-Test	1.00000

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	BL_Twert
1	ja	0	3	3
2	ne	0	15	15

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	BL_Twert	ERROR	ERROR	.
2	BL_Twert	ausreis	SS3	0.053953
3	BL_Twert	ja vs ne	CONTRAST	0.053953
4	bl_twert	ausreis	H-Test	0.096856
5	bl_twert	ja vs ne	U-Test	0.096856

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	ADS_PR
1	ja	0	3	3
2	ne	0	13	13

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	ADS_PR	ERROR	ERROR	.
2	ADS_PR	ausreis	SS3	0.17919
3	ADS_PR	ja vs ne	CONTRAST	0.17919
4	ads_pr	ausreis	H-Test	0.03663
5	ads_pr	ja vs ne	U-Test	0.03663

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	stai_pr
1	ja	0	4	4
2	ne	0	16	16

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	stai_pr	ERROR	ERROR	.
2	stai_pr	ausreis	SS3	0.057840
3	stai_pr	ja vs ne	CONTRAST	0.057840
4	stai_pr	ausreis	H-Test	0.029758
5	stai_pr	ja vs ne	U-Test	0.029758

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-K
1	ja	0	4	4
2	ne	0	15	15

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-K	ERROR	ERROR	.
2	SF-K	ausreis	SS3	0.13055
3	SF-K	ja vs ne	CONTRAST	0.13055
4	SF-K	ausreis	H-Test	0.10960
5	SF-K	ja vs ne	U-Test	0.10960

Outlier Statistics der Cortisolmesswerte

Obs	ausreis	_TYPE_	_FREQ_	SF-P
1	ja	0	4	4
2	ne	0	15	15

Outlier Statistics der Cortisolmesswerte

Obs	_NAME_	_SOURCE_	_TYPE_	PROB
1	SF-P	ERROR	ERROR	.
2	SF-P	ausreis	SS3	0.19741
3	SF-P	ja vs ne	CONTRAST	0.19741
4	SF-P	ausreis	H-Test	0.13361
5	SF-P	ja vs ne	U-Test	0.13361

Stichprobe=FMS ausreis=ja

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	5	176.4000000	182.0000000	73.7177048	127.0000000	190.0000000	0.7620918	0.6775626
GBBB	6	90.8333333	96.0000000	10.5150686	83.0000000	98.0000000	-1.2727905	0.2627542
BL_Twert	4	71.4000000	73.2000000	7.6323871	65.3000000	77.5000000	-0.7112359	-2.0454273
ADS_PR	5	69.2000000	72.0000000	29.1324561	72.0000000	89.0000000	-1.6482819	2.9923706
stai_pr	6	67.3333333	78.0000000	36.1865537	27.0000000	99.0000000	-0.4033393	-2.4534557
SF-K	6	32.3466390	32.4250523	9.2346556	28.6664949	37.2285808	-0.2708391	0.9455326
SF-P	6	40.4561261	42.1702265	11.7252330	28.9237705	47.1849784	-0.0124110	-1.4180701

Stichprobe=FMS ausreis=nein

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	9	95.4444444	56.0000000	117.6702077	32.0000000	104.0000000	2.4635149	6.5196505
GBBB	13	91.6923077	96.0000000	8.4497003	86.0000000	99.0000000	-0.8206036	-0.7034861
BL_Twert	11	68.5363636	68.9000000	4.3765906	63.4000000	71.2000000	0.4590785	0.3337790
ADS_PR	13	69.0769231	75.0000000	16.8940894	67.0000000	77.0000000	-1.1364829	0.5651586
stai_pr	13	68.3076923	69.0000000	19.2327178	59.0000000	86.0000000	-0.5445734	-0.4643376
SF-K	12	29.3777092	29.3074298	10.1166674	22.5536763	34.9597267	-0.0272716	-0.3476100
SF-P	12	43.3097949	44.9977231	10.9663389	37.3078951	47.9508242	-0.2760248	-0.0692277

Stichprobe=KON ausreis=ja

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	0	.	.	.	.	.	.	.
GBBB	3	14.3333333	12.0000000	7.7674535	8.0000000	23.0000000	1.2298093	.
BL_Twert	3	40.2000000	41.2000000	7.6491830	32.1000000	47.3000000	-0.5782435	.

ADS_PR	3	3.0000000	2.0000000	2.6457513	1.0000000	6.0000000	1.4578630	.
stai_pr	4	9.0000000	7.5000000	8.0415587	2.5000000	15.5000000	0.5999760	-2.5174301
SF-K	4	58.2288110	58.2245733	1.5045369	56.9397515	59.5178705	0.0048714	-5.3765067
SF-P	4	57.6916843	58.9261796	4.4748104	54.2361081	61.1472606	-0.9492623	-0.7979971

Stichprobe=KON ausreis=nein

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	0	.	.	.	.	.	.	.
GBBB	16	22.4375000	14.5000000	22.4706290	4.0000000	34.5000000	1.1632022	0.1241305
BL_Twert	15	49.1333333	47.3000000	6.6589002	44.2000000	53.3000000	0.5014166	-0.5761810
ADS_PR	13	29.5384615	17.0000000	31.6296680	10.0000000	30.0000000	1.3453040	0.4742454
stai_pr	16	42.7500000	34.0000000	32.4437976	13.0000000	74.0000000	0.4970559	-1.3101972
SF-K	15	56.3869050	56.6103593	2.1608574	55.7975429	57.6919575	-1.1713617	1.9868097
SF-P	15	53.5471155	55.5657368	5.6842809	50.9093034	57.9061832	-1.2782223	1.1244636

Stichprobe=URS ausreis=ja

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	9	116.6666667	66.0000000	117.8388730	31.0000000	164.0000000	0.9904335	-0.3416110
GBBB	9	69.8888889	75.0000000	19.1666667	47.0000000	85.0000000	-0.2023993	-1.4854443
BL_Twert	7	67.0857143	70.3000000	5.6816748	59.9000000	70.9000000	-0.8145142	-1.3090656
ADS_PR	9	74.8888889	80.0000000	20.6485135	67.0000000	88.0000000	-0.9237533	-0.5403047
stai_pr	9	64.0000000	78.0000000	32.3071200	36.0000000	92.0000000	-0.7568603	-1.3549218
SF-K	9	35.7727663	36.7540808	8.4845457	27.8819091	40.8694148	0.1188503	-0.6181594
SF-P	9	46.7537284	43.3345659	10.0736197	40.6799771	56.1889524	0.2207424	-0.8812974

Stichprobe=URS ausreis=ne

Variable	N	Mean	Median	SD	Lower Quartile	Upper Quartile	Skewness	Kurtosis
CHRONIF	17	218.0588235	189.0000000	183.4752949	59.0000000	392.0000000	0.7692696	-0.3174738
GBBB	18	71.3333333	73.0000000	22.7389275	59.0000000	92.0000000	-0.5858644	-0.5480174
BL_Twert	16	65.0937500	64.7000000	8.6398664	60.7500000	68.6000000	0.4927006	1.0757528
ADS_PR	17	63.9588235	64.0000000	23.5479049	55.0000000	73.0000000	-0.4635302	0.5002216
stai_pr	17	62.8823529	66.0000000	28.9501346	47.0000000	86.0000000	-0.6540073	-0.1958633
SF-K	16	34.5395085	34.4368362	8.5430493	28.7394026	41.5611620	-0.0855709	-0.9984992
SF-P	16	44.5274679	45.9076861	10.9006774	36.3091411	51.2354827	-0.000315118	0.1790974

3 Definition Outlier nach Rousseeuw et al. 1999, Tukey 1977

3.1 Häufigkeits- und Einzelfallanalyse Probanden mit Cortisolausreißern – Kriterium: Md + 4*(Q3 – Md) bzw. Md + 4*(Q1 – Md):

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	MD+ 4*(Q3–MD)	MD+ 4*(Q1–MD)	Cortisolwert
URS	6	62/w	3	4	17:32	4.2	-1.0	5.9
	6		3	5	19:01	3.675	-0.645	3.9
	7	63/m	1	3	12:12	10.800	1.160	1.0
	7		4	4	14:41	6.300	-2.500	14.3
	8	38/m	2	5	23:13	2.720	-0.340	5.1
	8		3	4	16:29	4.200	-1.000	8.1
	8		7	4	16:35	6.900	-2.300	8.3
	11	50/w	2	5	21:09	2.720	-0.340	4.6
	11		7	2	08:35	32.160	-4.380	59.1
	11		7	3	14:55	17.875	-2.445	24.5
	11		7	4	17:53	6.900	-2.300	20.4
	12	51/w	1	1	06:52	38.690	-14.910	44.7
	12		7	2	07:00	32.160	-4.380	37.4
	14	65/m	1	1	07:09	38.690	-14.910	47.2
	14		1	3	10:53	10.800	1.160	16.9
	14		3	2	07:26	44.700	-6.380	56.4
	14		3	5	21:46	3.675	-0.645	5.2
	14		4	1	07:07	36.800	-1.000	37.4
	14		5	1	07:04	32.800	3.200	33.3
	20	69/m	4	5	23:25	3.490	-1.310	3.6
	27	42/m	2	5	23:35	2.720	-0.340	5.6
	27		3	4	19:21	4.200	-1.000	4.3
	27		3	5	21:49	3.675	-0.645	4.9
	27		4	5	21:13	3.490	-1.310	3.5
	27		5	4	20:02	5.010	-1.630	7.5
	31	39/w	1	3	14:37	10.800	1.160	0.5

Fortsetzung Tabelle:

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	MD+ 4*(Q3–MD)	MD+ 4*(Q1–MD)	Cortisolwert
URS	32	50/w	5	2	07:08	46.600	-13.000	51.2
	32		5	4	16:41	5.010	-1.630	5.8
	32		6	4	17:34	5.355	-1.445	10.10
	32		7	2	07:18	32.160	-4.380	48.8
	33	61/m	1	3	12:53	10.800	1.160	11.4
	33		2	4	17:34	10.860	-2.100	16.7
	33		5	4	18:11	5.010	-1.630	6.0
	33		6	4	18:17	5.355	-1.445	5.5
	34	28/m	1	3	11:47	10.800	1.160	15.8
	34		2	3	09:50	16.280	-2.920	26.6
	34		5	1	05:40	32.800	3.200	0.7
	34		6	2	06:46	43.450	5.150	1.1
	35	66/w	4	1	07:54	36.800	-1.000	38.1
	37	63/w	1	4	16:27	13.050	-3.530	17.09
	38	61/w	6	1	07:43	34.850	-13.950	38.12
	40	62/w	2	5	23:04	2.720	-0.340	2.93
	40		5	4	18:46	5.010	-1.630	31.38
	40		6	5	21:54	4.600	-0.160	6.16
	42	41/w	1	5	24:46	11.240	-1.400	13.20
	42		6	1	06:54	34.850	-13.950	38.70
	43	57/m	3	2	05:27	44.700	-6.380	47.03
	43		4	2	05:23	34.555	-14.445	43.67
	43		7	2	07:18	32.160	-4.380	35.37
	45	40/m	2	1	12:57	32.960	4.200	0.55
	45		5	1	12:50	32.800	3.200	0.25
	45		7	1	05:57	76.310	0.390	0.17
FMS	2	50/w	2	2	07:55	43.170	3.730	2.10
	4	56/w	2	2	06:52	43.170	3.730	2.8
	36	44/w	6	2	08:59	39.515	-8.945	43.64

Fortsetzung Tabelle:

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	MD+ 4*(Q3–MD)	MD+ 4*(Q1–MD)	Cortisolwert
FMS	83	28/m	1	1	07:09	27.390	2.190	29.05
	83		1	3	09:59	22.220	-6.220	24.01
	83		1	5	19:57	5.020	-0.980	6.86
	83		2	2	07:52	43.170	3.730	56.19
	83		3	2	06:47	53.965	-24.075	54.87
	83		3	5	20:01	5.785	-1.815	11.57
	83		4	3	09:59	11.590	-2.690	19.35
	83		4	5	21:46	4.775	-1.965	14.35
	83		5	1	06:56	25.895	3.375	40.02
	83		5	4	18:03	7.440	-3.160	13.59
	83		6	2	07:26	39.515	-8.945	52.71
	86	32/w	1	5	19:56	5.020	-0.980	5.36
	86		3	1	07:27	30.810	1.090	0.01
	86		6	3	09:54	17.470	-4.930	28.24
	87	59/w	2	4	16:27	19.220	-4.540	304.98
	87		2	5	21:00	3.695	-1.465	25.34
	87		3	1	06:38	30.810	1.090	48.25
	87		4	5	20:28	4.775	-1.965	22.21
	87		5	1	04:59	25.895	3.375	107.66
	87		5	2	05:36	49.010	-10.390	53.39
	87		6	3	10:38	17.470	-4.930	91.66
	87		6	4	16:10	12.010	-3.510	57.98
	92	56/w	7	5	20:19	11.350	-1.370	20.87
	93	66/w	3	3	09:54	23.855	2.135	0.05
	93		6	5	20:05	5.205	-0.555	20.52
	93		7	1	06:56	38.410	1.530	1.01
	94	36/w	1	1	08:54	27.390	2.190	1.40
	94		2	2	08:38	43.170	3.730	0.96
	94		4	1	08:42	24.840	4.040	0.28
	94		5	1	08:47	25.895	3.375	2.06
	94		7	1	09:29	38.410	1.530	0.04

Fortsetzung Tabelle:

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	MD+ 4*(Q3–MD)	MD+ 4*(Q1–MD)	Cortisolwert
FMS	95	42/w	1	5	21:31	5.020	-0.980	5.97
	95		5	2	07:24	49.010	-10.390	49.69
	101	50/w	3	4	16:08	7.370	-2.630	8.30
	101		3	5	20:05	5.785	-1.815	25.33
	101		4	3	10:10	11.590	-2.690	17.63
	101		6	3	09:56	17.470	-4.930	17.78
KON	60	61/w	1	1	07:33	21.545	-2.895	22.12
	60		1	5	20:12	6.180	-1.920	6.49
	65	46/w	3	4	13:49	13.840	1.800	1.30
	65		5	2	06:37	40.410	-8.870	41.58
	69	44/m	2	1	03:34	34.345	2.665	0.95
	69		6	5	21:47	3.775	-1.945	4.99
	69		7	2	11:12	39.540	1.460	50.23
	70	54/m	4	3	09:51	12.805	1.065	0.16
	72	62/m	3	4	17:57	13.840	1.800	0.57
	72		7	2	08:01	39.540	1.460	0.15
	76	40/m	4	4	13:55	7.090	-0.030	7.15
	77	66/m	1	1	06:03	21.545	-2.895	22.69
	77		3	1	06:08	23.130	2.170	33.54
	77		3	4	16:53	13.840	1.800	1.67
	77		6	5	20:02	3.775	-1.945	4.85
	78	27/m	1	3	09:55	15.725	-5.855	20.55
	78		4	3	09:47	12.805	1.065	18.46
	78		6	3	10:05	13.900	-4.020	20.26
	79	55/m	4	5	21:32	5.950	-2.690	8.91
	79		5	4	16:23	12.020	-2.500	15.99
	79		6	5	21:39	3.775	-1.945	13.14
	79		7	4	14:02	4.955	-2.205	5.84
	81	51/w	4	3	10:44	12.805	1.065	0.98
	90	69/m	4	2	06:51	34.450	-21.310	50.21
	90		7	2	06:21	39.540	1.460	40.05
	96	52/w	3	3	09:57	12.920	-4.720	15.20
	97	52/w	1	1	07:02	21.545	-2.895	28.05

97		5	5	19:58	6.785	-3.135	15.46
97		7	4	13:44	4.955	-2.205	8.76
100	57/w	7	3	10:29	19.765	-0.795	23.62
100		7	4	16:42	4.955	-2.205	8.85

Grenzwerte pro Stichprobe, Tag, Messzeitpunkt

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Obs	Stichprobe	Tag	Messung	Median	oberer_ Grenzwert	unterer Grenzwert
1	FMS	1	1	13.270	27.390	2.190
2	FMS	1	2	19.085	61.825	-8.295
3	FMS	1	3	6.500	22.220	-6.220
4	FMS	1	4	4.550	19.590	-6.290
5	FMS	1	5	0.860	5.020	-0.980
6	FMS	2	1	13.465	32.725	-6.595
7	FMS	2	2	12.930	43.170	3.730
8	FMS	2	3	5.810	30.570	-5.790
9	FMS	2	4	3.220	19.220	-4.540
10	FMS	2	5	1.555	3.695	-1.465
11	FMS	3	1	13.290	30.810	1.090
12	FMS	3	2	12.025	53.965	-24.075
13	FMS	3	3	6.755	23.855	2.135
14	FMS	3	4	2.650	7.370	-2.630
15	FMS	3	5	1.085	5.785	-1.815
16	FMS	4	1	11.320	24.840	4.040
17	FMS	4	2	21.540	46.140	-46.500
18	FMS	4	3	6.670	11.590	-2.690
19	FMS	4	4	3.350	10.270	-7.570
20	FMS	4	5	1.455	4.775	-1.965
21	FMS	5	1	12.075	25.895	3.375
22	FMS	5	2	17.410	49.010	-10.390
23	FMS	5	3	7.220	29.980	-5.740
24	FMS	5	4	2.600	7.440	-3.160
25	FMS	5	5	0.780	5.380	-0.100
26	FMS	6	1	14.800	31.200	5.320
27	FMS	6	2	12.695	39.515	-8.945
28	FMS	6	3	6.110	17.470	-4.930
29	FMS	6	4	2.370	12.010	-3.510
30	FMS	6	5	1.065	5.205	-0.555
31	FMS	7	1	13.730	38.410	1.530
32	FMS	7	2	18.680	40.640	-30.480
33	FMS	7	3	5.730	33.250	-2.310
34	FMS	7	4	2.740	12.780	-3.060
35	FMS	7	5	1.150	11.350	-1.370

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Obs	Stichprobe	Tag	Messung	Median	oberer_ Grenzwert	unterer Grenzwert
36	KON	1	1	14.805	21.545	-2.895
37	KON	1	2	23.870	44.710	-11.130
38	KON	1	3	5.085	15.725	-5.855
39	KON	1	4	4.310	15.870	-0.530
40	KON	1	5	1.360	6.180	-1.920
41	KON	2	1	13.025	34.345	2.665
42	KON	2	2	17.650	51.210	0.170
43	KON	2	3	6.205	21.105	-3.295
44	KON	2	4	3.960	9.440	-2.560
45	KON	2	5	1.440	8.800	-1.880
46	KON	3	1	13.730	23.130	2.170
47	KON	3	2	23.280	47.520	-8.400
48	KON	3	3	5.920	12.920	-4.720
49	KON	3	4	3.400	13.840	1.800
50	KON	3	5	1.545	6.885	-1.275
51	KON	4	1	14.460	30.980	-9.060
52	KON	4	2	24.130	34.450	-21.310
53	KON	4	3	7.385	12.805	1.065
54	KON	4	4	2.930	7.090	-0.030
55	KON	4	5	1.510	5.950	-2.690
56	KON	5	1	12.795	47.975	-4.385
57	KON	5	2	19.370	40.410	-8.870
58	KON	5	3	7.580	21.500	-1.980
59	KON	5	4	3.780	12.020	-2.500
60	KON	5	5	1.685	6.785	-3.135
61	KON	6	1	15.145	23.405	-1.755
62	KON	6	2	23.070	51.390	-26.890
63	KON	6	3	6.900	13.900	-4.020
64	KON	6	4	4.220	12.500	-3.180
65	KON	6	5	1.475	3.775	-1.945
66	KON	7	1	16.285	39.705	-7.255
67	KON	7	2	18.820	39.540	1.460
68	KON	7	3	7.265	19.765	-0.795
69	KON	7	4	3.055	4.955	-2.205
70	KON	7	5	1.985	4.465	-2.015
71	URS	1	1	14.570	38.690	-14.910
72	URS	1	2	18.700	47.900	0.460
73	URS	1	3	4.800	10.800	1.160
74	URS	1	4	2.650	13.050	-3.530
75	URS	1	5	1.400	11.240	-1.400
76	URS	2	1	12.200	32.960	4.200
77	URS	2	2	18.750	56.550	-12.470
78	URS	2	3	4.100	16.280	-2.920
79	URS	2	4	2.100	10.860	-2.100
80	URS	2	5	0.860	2.720	-0.340

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

Obs	Stichprobe	Tag	Messung	Median	oberer_ Grenzwert	unterer Grenzwert
81	URS	3	1	15.770	39.490	-11.310
82	URS	3	2	16.700	44.700	-6.380
83	URS	3	3	3.450	16.050	0.050
84	URS	3	4	2.600	4.200	-1.000
85	URS	3	5	1.015	3.675	-0.645
86	URS	4	1	13.800	36.800	-1.000
87	URS	4	2	17.415	34.555	-14.445
88	URS	4	3	4.230	14.910	-2.290
89	URS	4	4	2.300	6.300	-2.500
90	URS	4	5	1.370	3.490	-1.310
91	URS	5	1	15.600	32.800	3.200
92	URS	5	2	17.800	46.600	-13.000
93	URS	5	3	4.555	13.935	-2.065
94	URS	5	4	2.330	5.010	-1.630
95	URS	5	5	1.130	7.410	-0.190
96	URS	6	1	16.250	34.850	-13.950
97	URS	6	2	16.950	43.150	5.150
98	URS	6	3	4.200	20.200	-2.000
99	URS	6	4	2.215	5.355	-1.445
100	URS	6	5	1.000	4.600	-0.160
101	URS	7	1	16.030	76.310	0.390
102	URS	7	2	16.540	32.160	-4.380
103	URS	7	3	4.815	17.875	-2.445
104	URS	7	4	2.100	6.900	-2.300
105	URS	7	5	1.000	4.600	-0.600

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]
The FREQ Procedure

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2	1	0.81	1	0.81
1	4	1	0.81	2	1.63
1	6	2	1.63	4	3.25
1	7	2	1.63	6	4.88
1	8	3	2.44	9	7.32
1	11	4	3.25	13	10.57
1	12	2	1.63	15	12.20
1	14	6	4.88	21	17.07
1	20	1	0.81	22	17.89
1	27	5	4.07	27	21.95
1	31	1	0.81	28	22.76
1	32	4	3.25	32	26.02
1	33	4	3.25	36	29.27

outstat	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	34	4	3.25	40	32.52
1	35	1	0.81	41	33.33
1	36	1	0.81	42	34.15
1	37	1	0.81	43	34.96
1	38	1	0.81	44	35.77
1	40	3	2.44	47	38.21
1	42	2	1.63	49	39.84
1	43	3	2.44	52	42.28
1	45	3	2.44	55	44.72
1	60	2	1.63	57	46.34
1	65	2	1.63	59	47.97
1	69	3	2.44	62	50.41
1	70	1	0.81	63	51.22
1	72	2	1.63	65	52.85
1	76	1	0.81	66	53.66
1	77	4	3.25	70	56.91
1	78	3	2.44	73	59.35
1	79	4	3.25	77	62.60
1	81	1	0.81	78	63.41
1	83	11	8.94	89	72.36
1	86	3	2.44	92	74.80
1	87	8	6.50	100	81.30
1	90	2	1.63	102	82.93
1	92	1	0.81	103	83.74
1	93	3	2.44	106	86.18
1	94	5	4.07	111	90.24
1	95	2	1.63	113	91.87
1	96	1	0.81	114	92.68
1	97	3	2.44	117	95.12
1	100	2	1.63	119	96.75
1	101	4	3.25	123	100.00

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	2	1	0.81	1	0.81
extr	4	1	0.81	2	1.63
extr	6	2	1.63	4	3.25
extr	7	2	1.63	6	4.88
extr	8	3	2.44	9	7.32
extr	11	4	3.25	13	10.57
extr	12	2	1.63	15	12.20
extr	14	6	4.88	21	17.07
extr	20	1	0.81	22	17.89

outlier	vpn	Frequency	Percent	Cumulative Frequency	Cumulative Percent
extr	27	5	4.07	27	21.95
extr	31	1	0.81	28	22.76
extr	32	4	3.25	32	26.02
extr	33	4	3.25	36	29.27
extr	34	4	3.25	40	32.52
extr	35	1	0.81	41	33.33
extr	36	1	0.81	42	34.15
extr	37	1	0.81	43	34.96
extr	38	1	0.81	44	35.77
extr	40	3	2.44	47	38.21
extr	42	2	1.63	49	39.84
extr	43	3	2.44	52	42.28
extr	45	3	2.44	55	44.72
extr	60	2	1.63	57	46.34
extr	65	2	1.63	59	47.97
extr	69	3	2.44	62	50.41
extr	70	1	0.81	63	51.22
extr	72	2	1.63	65	52.85
extr	76	1	0.81	66	53.66
extr	77	4	3.25	70	56.91
extr	78	3	2.44	73	59.35
extr	79	4	3.25	77	62.60
extr	81	1	0.81	78	63.41
extr	83	11	8.94	89	72.36
extr	86	3	2.44	92	74.80
extr	87	8	6.50	100	81.30
extr	90	2	1.63	102	82.93
extr	92	1	0.81	103	83.74
extr	93	3	2.44	106	86.18
extr	94	5	4.07	111	90.24
extr	95	2	1.63	113	91.87
extr	96	1	0.81	114	92.68
extr	97	3	2.44	117	95.12
extr	100	2	1.63	119	96.75
extr	101	4	3.25	123	100.00

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Monitorzeit [hh:min]	Md+ 4*(Q3–Md)	Md+ 4*(Q1–Md)	Cortisolwert
URS	6		3	4	17:32	4.2	-1.0	5.9
	6		3	5	19:01	3.675	-0.645	3.9
	7		1	3	12:12	10.800	1.160	1.0
	7		4	4	14:41	6.300	-2.500	14.3
	8		2	5	23:13	2.720	-0.340	5.1
	8		3	4	16:29	4.200	-1.000	8.1
	8		7	4	16:35	6.900	-2.300	8.3
	11		2	5	21:09	2.720	-0.340	4.6
	11		7	2	08:35	32.160	-4.380	59.1
	11		7	3	14:55	17.875	-2.445	24.5
	11		7	4	17:53	6.900	-2.300	20.4
	12		1	1	06:52	38.690	-14.910	44.7
	12		7	2	07:00	32.160	-4.380	37.4
	14		1	1	07:09	38.690	-14.910	47.2
	14		1	3	10:53	10.800	1.160	16.9
	14		3	2	07:26	44.700	-6.380	56.4
	14		3	5	21:46	3.675	-0.645	5.2
	14		4	1	07:07	36.800	-1.000	37.4
	14		5	1	07:04	32.800	3.200	33.3
	20		4	5	23:25	3.490	-1.310	3.6
	27		2	5	23:35	2.720	-0.340	5.6
	27		3	4	19:21	4.200	-1.000	4.3
	27		3	5	21:49	3.675	-0.645	4.9
	27		4	5	21:13	3.490	-1.310	3.5
	27		5	4	20:02	5.010	-1.630	7.5
	31		1	3	14:37	10.800	1.160	0.5
	32		5	2	07:08	46.600	-13.000	51.2
	32		5	4	16:41	5.010	-1.630	5.8
	32		6	4	17:34	5.355	-1.445	10.10
	32		7	2	07:18	32.160	-4.380	48.8
	33		1	3	12:53	10.800	1.160	11.4
	33		2	4	17:34	10.860	-2.100	16.7
	33		5	4	18:11	5.010	-1.630	6.0
	33		6	4	18:17	5.355	-1.445	5.5

	34	1	3	11:47	10.800	1.160	15.8
	34	2	3	09:50	16.280	-2.920	26.6
	34	5	1	05:40	32.800	3.200	0.7
	34	6	2	06:46	43.450	5.150	1.1
	35	4	1	07:54	36.800	-1.000	38.1
	37	1	4	16:27	13.050	-3.530	17.09
	38	6	1	07:43	34.850	-13.950	38.12
	40	2	5	23:04	2.720	-0.340	2.93
	40	5	4	18:46	5.010	-1.630	31.38
	40	6	5	21:54	4.600	-0.160	6.16
	42	1	5	24:46	11.240	-1.400	13.20
	42	6	1	06:54	34.850	-13.950	38.70
	43	3	2	05:27	44.700	-6.380	47.03
	43	4	2	05:23	34.555	-14.445	43.67
	43	7	2	07:18	32.160	-4.380	35.37
	45	2	1	12:57	32.960	4.200	0.55
	45	5	1	12:50	32.800	3.200	0.25
	45	7	1	05:57	76.310	0.390	0.17
FMS	2	2	2	07:55	43.170	3.730	2.10
	4	2	2	06:52	43.170	3.730	2.8
	36	6	2	08:59	39.515	-8.945	43.64
	83	1	1	07:09	27.390	2.190	29.05
	83	1	3	09:59	22.220	-6.220	24.01
	83	1	5	19:57	5.020	-0.980	6.86
	83	2	2	07:52	43.170	3.730	56.19
	83	3	2	06:47	53.965	-24.075	54.87
	83	3	5	20:01	5.785	-1.815	11.57
	83	4	3	09:59	11.590	-2.690	19.35
	83	4	5	21:46	4.775	-1.965	14.35
	83	5	1	06:56	25.895	3.375	40.02
	83	5	4	18:03	7.440	-3.160	13.59
	83	6	2	07:26	39.515	-8.945	52.71
	86	1	5	19:56	5.020	-0.980	5.36
	86	3	1	07:27	30.810	1.090	0.01
	86	6	3	09:54	17.470	-4.930	28.24
	87	2	4	16:27	19.220	-4.540	304.98
	87	2	5	21:00	3.695	-1.465	25.34

	87	3	1	06:38	30.810	1.090	48.25
	87	4	5	20:28	4.775	-1.965	22.21
	87	5	1	04:59	25.895	3.375	107.66
	87	5	2	05:36	49.010	-10.390	53.39
	87	6	3	10:38	17.470	-4.930	91.66
	87	6	4	16:10	12.010	-3.510	57.98
	92	7	5	20:19	11.350	-1.370	20.87
	93	3	3	09:54	23.855	2.135	0.05
	93	6	5	20:05	5.205	-0.555	20.52
	93	7	1	06:56	38.410	1.530	1.01
	94	1	1	08:54	27.390	2.190	1.40
	94	2	2	08:38	43.170	3.730	0.96
	94	4	1	08:42	24.840	4.040	0.28
	94	5	1	08:47	25.895	3.375	2.06
	94	7	1	09:29	38.410	1.530	0.04
	95	1	5	21:31	5.020	-0.980	5.97
	95	5	2	07:24	49.010	-10.390	49.69
	101	3	4	16:08	7.370	-2.630	8.30
	101	3	5	20:05	5.785	-1.815	25.33
	101	4	3	10:10	11.590	-2.690	17.63
	101	6	3	09:56	17.470	-4.930	17.78
KON	60	1	1	07:33	21.545	-2.895	22.12
	60	1	5	20:12	6.180	-1.920	6.49
	65	3	4	13:49	13.840	1.800	1.30
	65	5	2	06:37	40.410	-8.870	41.58
	69	2	1	03:34	34.345	2.665	0.95
	69	6	5	21:47	3.775	-1.945	4.99
	69	7	2	11:12	39.540	1.460	50.23
	70	4	3	09:51	12.805	1.065	0.16
	72	3	4	17:57	13.840	1.800	0.57
	72	7	2	08:01	39.540	1.460	0.15
	76	4	4	13:55	7.090	-0.030	7.15
	77	1	1	06:03	21.545	-2.895	22.69
	77	3	1	06:08	23.130	2.170	33.54
	77	3	4	16:53	13.840	1.800	1.67
	77	6	5	20:02	3.775	-1.945	4.85
	78	1	3	09:55	15.725	-5.855	20.55

78	4	3	09:47	12.805	1.065	18.46
78	6	3	10:05	13.900	-4.020	20.26
79	4	5	21:32	5.950	-2.690	8.91
79	5	4	16:23	12.020	-2.500	15.99
79	6	5	21:39	3.775	-1.945	13.14
79	7	4	14:02	4.955	-2.205	5.84
81	4	3	10:44	12.805	1.065	0.98
90	4	2	06:51	34.450	-21.310	50.21
90	7	2	06:21	39.540	1.460	40.05
96	3	3	09:57	12.920	-4.720	15.20
97	1	1	07:02	21.545	-2.895	28.05
97	5	5	19:58	6.785	-3.135	15.46
97	7	4	13:44	4.955	-2.205	8.76
100	7	3	10:29	19.765	-0.795	23.62
100	7	4	16:42	4.955	-2.205	8.85

3.2 Stichprobenspezifische Zusammenfassung von Probanden mit Cortisolausreißerwerten

	URS (N= 19)	FMS (N= 11)	KON (N= 14)
Geschlechtsverteilung	Frauen: N= 10 Männer: N= 9	Frauen: N= 10 Männer: N= 1	Frauen: N= 6 Männer: N= 8
Alter	MW= 53.1, SD= 12.03 Range: 28-69 Jahren	MW= 47.3, SD= 12.04 Range: 28-66 Jahre	MW= 52.9, SD= 11.02 Range: 27-69 Jahre
Schmerzcharakteristika			
Chronic Pain Grade (von Korff et al. 1991)	1: N= 2 2: N= 6 3: N= 7 4: N= 4	1: N= 2 2: N= 3 3: N= 2 4: N= 3 miss: N= 1	Keine Schmerzen
Schmerzdauer in Monaten	MW= 157.79, SD= 169.27 Range= 9-632 Monaten	MW= 138.75, SD= 80.48 Range= 32-288 Monaten	Keine Schmerzen
Somatische Komorbidität			
Giessener Beschwerdebogen: Skala Gesamtbeschwerdedruck (Prozentrang)	MW= 72.63, SD= 20.87 Range= 24-99	MW= 92.18, SD= 9.15 Range= 73-100	MW= 17.23, SD= 17.54 Range= 3-69, Miss: N= 1
Beschwerdeliste (vgl. mit gesunder Normstichprobe)	MW= 66.34, SD= 6.41, Range= 50.9-77.5 Miss: N= 2	MW= 70.1, SD= 6.46 Range= 61.7-77.5 Miss: N= 2	MW= 46.16, SD= 7.26 Range= 32.1-60.4 Miss: N= 1
Psychische Komorbidität			
Allgemeine Depressionsskala (PR)	MW= 68.96, SD= 25.15, Range= 10-99.3 Miss: N= 1	MW= 67.5, SD= 23.18 Range= 20-93 Miss: N= 1	MW= 22.5, SD= 28.22 Range= 1-93 Miss: N= 2
State-Trait Angstinventar (PR)	MW=64.44, SD= 31.37 Range: 2-97 Miss: N= 1	MW= 67.64, SD= 29.83 Range= 23-99	MW= 29.43, SD= 29.48 Range= 2-90
Allgemeiner Gesundheitszustand / Gesundheitsverhalten			
SF36: standardisierte körperliche Summenskala	MW= 33.36, SD= 8.51, Range= 21.05-50.14 Miss: N= 1	MW= 29.39, SD= 9.78 Range= 11.93-45.49	MW= 56.85, SD= 2.04 Range= 50.95-59.71
SF36: standardisierte psychische Summenskala	MW= 47.46, SD=9.73, Range= 31.33-67.49 Miss: N= 1	MW= 43.99, SD= 10.32 Range= 25.9-60.73	MW= 54.97, SD= 5.05 Range= 43.39-61.16
Rauchen	Raucher: N= 5 Nicht-Raucher: N= 14	Raucher: N= 1 Nicht-Raucher: N= 10	Nicht-Raucher: N= 14

Table of tag by Stichprobe

tag Frequency Percent Row Pct Col Pct	Stichprobe FMS	KON	URS	Total
1	6 4.88 30.00 15.00	5 4.07 25.00 16.13	9 7.32 45.00 17.31	20 16.26
2	6 4.88 42.86 15.00	1 0.81 7.14 3.23	7 5.69 50.00 13.46	14 11.38
3	7 5.69 35.00 17.50	5 4.07 25.00 16.13	8 6.50 40.00 15.38	20 16.26
4	5 4.07 29.41 12.50	6 4.88 35.29 19.35	6 4.88 35.29 11.54	17 13.82
5	6 4.88 35.29 15.00	3 2.44 17.65 9.68	8 6.50 47.06 15.38	17 13.82
6	7 5.69 41.18 17.50	4 3.25 23.53 12.90	6 4.88 35.29 11.54	17 13.82
7	3 2.44 16.67 7.50	7 5.69 38.89 22.58	8 6.50 44.44 15.38	18 14.63
Total	40 32.52	31 25.20	52 42.28	123 100.00

Outlier Statistics der Cortisolmesswerte [Stichprobe x Tag x Messung]

The FREQ Procedure

Statistics for Table of tag by Stichprobe

Statistic	DF	Value	Prob

Chi-Square	12	7.4127	0.8292
Likelihood Ratio Chi-Square	12	8.1548	0.7729
Mantel-Haenszel Chi-Square	1	0.0290	0.8649
Phi Coefficient		0.2455	
Contingency Coefficient		0.2384	
Cramer's V		0.1736	

WARNING: 29% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Sample Size = 123

Table of Stichprobe by messung

Stichprobe Frequency Percent Row Pct Col Pct	messung 1	2	3	4	5	Total
FMS	10 8.13 25.00 38.46	9 7.32 22.50 39.13	7 5.69 17.50 33.33	4 3.25 10.00 15.38	10 8.13 25.00 37.04	40 32.52
KON	5 4.07 16.13 19.23	5 4.07 16.13 21.74	7 5.69 22.58 33.33	8 6.50 25.81 30.77	6 4.88 19.35 22.22	31 25.20
URS	11 8.94 21.15 42.31	9 7.32 17.31 39.13	7 5.69 13.46 33.33	14 11.38 26.92 53.85	11 8.94 21.15 40.74	52 42.28
Total	26 21.14	23 18.70	21 17.07	26 21.14	27 21.95	123 100.00

Statistics for Table of Stichprobe by messung

Statistic	DF	Value	Prob
Chi-Square	8	5.8449	0.6646
Likelihood Ratio Chi-Square	8	6.3145	0.6120
Mantel-Haenszel Chi-Square	1	0.4660	0.4948
Phi Coefficient		0.2180	
Contingency Coefficient		0.2130	
Cramer's V		0.1541	

Sample Size = 123

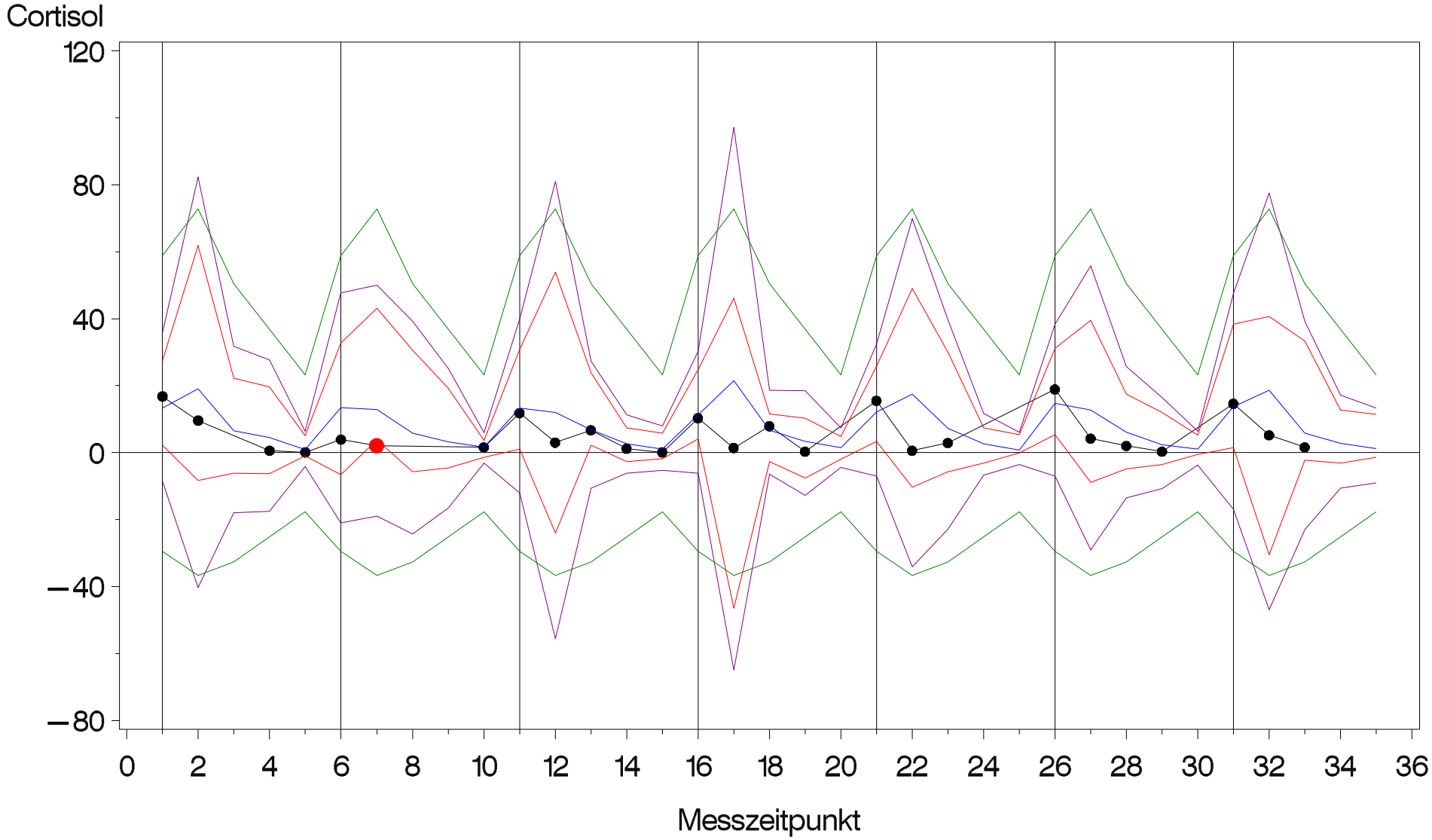
3.3 Vergleichsstichprobe ohne Cortisolausreißer

	URS (N= 8)	FMS (N= 8)	KON (N= 6)
Geschlechtsverteilung	Frauen: N= 6 Männer: N= 2	Frauen: N= 8 Männer: N= 0	Frauen: N= 3 Männer: N= 3
Alter	MW= 55.13, SD= 10.05 Range: 40-70 Jahren	MW= 56.25, SD= 8.76 Range: 37-65 Jahre	MW= 46.5, SD= 10.21 Range: 41-67 Jahre
Schmerzcharakteristika			
Chronic Pain Grade (von Korff et al. 1991)	1: N= 2 2: N= 3 3: N= 2 4: N= 1	1: N= 1 2: N= 1 3: N= 2 4: N= 4	Keine Schmerzen
Schmerzdauer in Monaten	MW= 251.29, SD= 157.97 Range= 44-406 Monaten	MW= 105.17, SD= 144.47 Range= 12-393 Monaten	Keine Schmerzen
Somatische Komorbidität			
Giessener Beschwerdebogen: Skala Gesamtbeschwerdedruck (Prozentrang)	MW= 66.63, SD= 22.98 Range= 35-100	MW= 90.38, SD= 8.94 Range= 75-99	MW= 29.67, SD= 26.58 Range= 4-66,
Beschwerdeliste (vgl. mit gesunder Normstichprobe)	MW= 63.88, SD= 11.39, Range= 50.9-85.0 Miss: N= 2	MW= 68.1, SD= 2.89 Range= 63.4-71.2 Miss: N= 2	MW= 51.5, SD= 7.1 Range= 41.6-60.9 Miss: N= 1
Psychische Komorbidität			
Allgemeine Depressionsskala (PR)	MW= 65.00, SD= 17.51, Range= 36-98	MW= 71-13, SD= 16.58 Range= 42-91	MW= 30.75, SD= 39.87 Range= 1-89 Miss: N= 2
State-Trait Angstinventar (PR)	MW=60.63, SD= 26.6 Range: 12-100	MW= 68.5, SD= 17.28 Range= 39-92	MW= 51.33, SD= 35.54 Range= 8-98
Allgemeiner Gesundheitszustand / Gesundheitsverhalten			
SF36: standardisierte körperliche Summenskala	MW= 39.16, SD= 6.8, Range= 29.82-49.23 Miss: N= 1	MW= 31.9, SD= 10.03 Range= 17.81-45.79 Miss: N= 1	MW= 56.57, SD= 2.67 Range= 53.13-59.56 Miss: N= 1
SF36: standardisierte psychische Summenskala	MW= 39.85, SD=10.96, Range= 24.66-52.08 Miss: N= 1	MW= 39.8, SD= 12.27 Range= 23.43-58.49 Miss: N= 1	MW= 52.89, SD= 7.4 Range= 40.17-57.91
Rauchen	Raucher: N= 2 Nicht-Raucher: N= 6	Raucher: N= 2 Nicht-Raucher: N= 6	Raucher: N= 1 Nicht-Raucher: N= 5

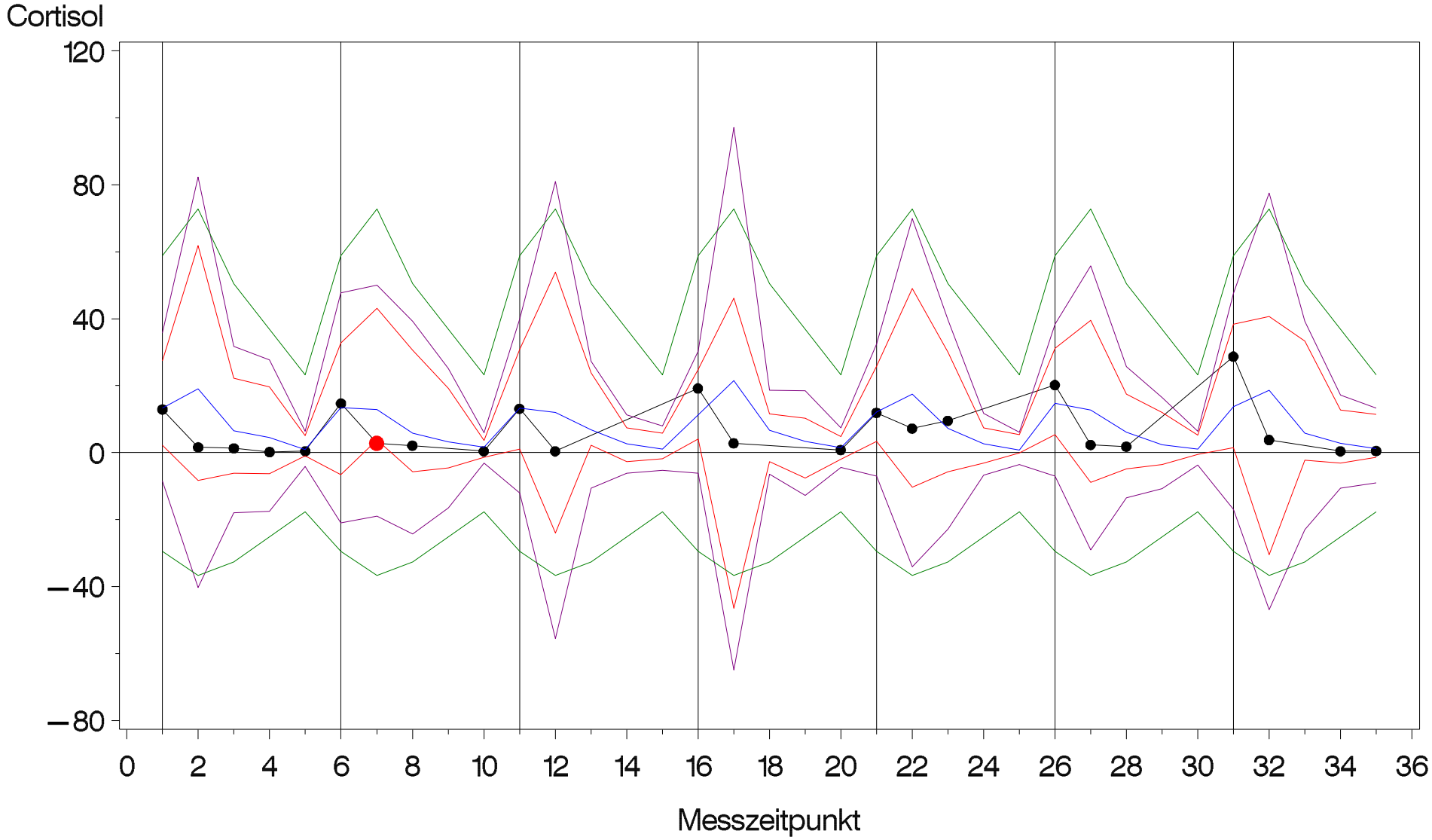
Anhang 4

Cortisol-Messreihen mit Ausreißerwerten

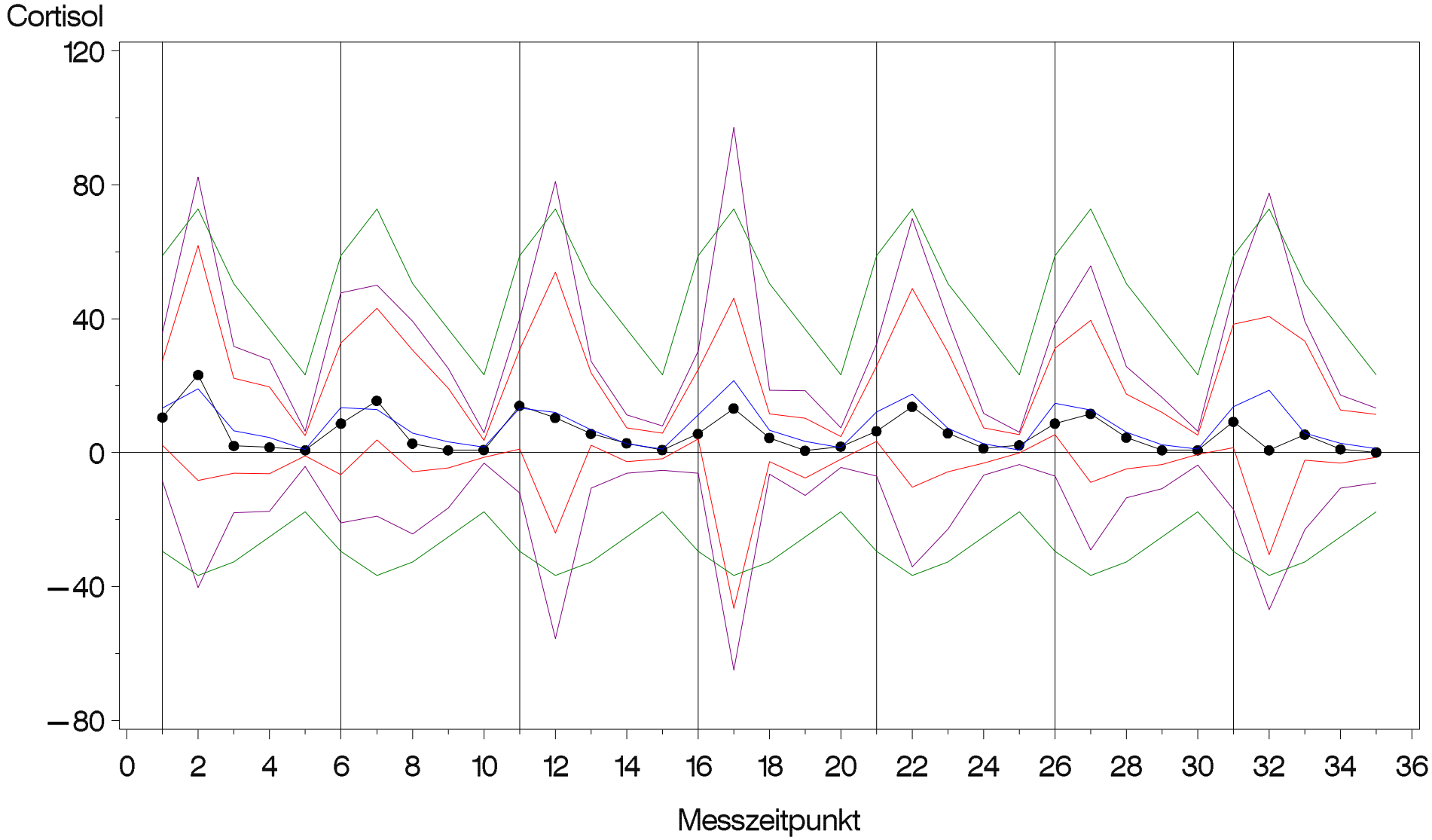
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=FMS VPN [1—99]=2



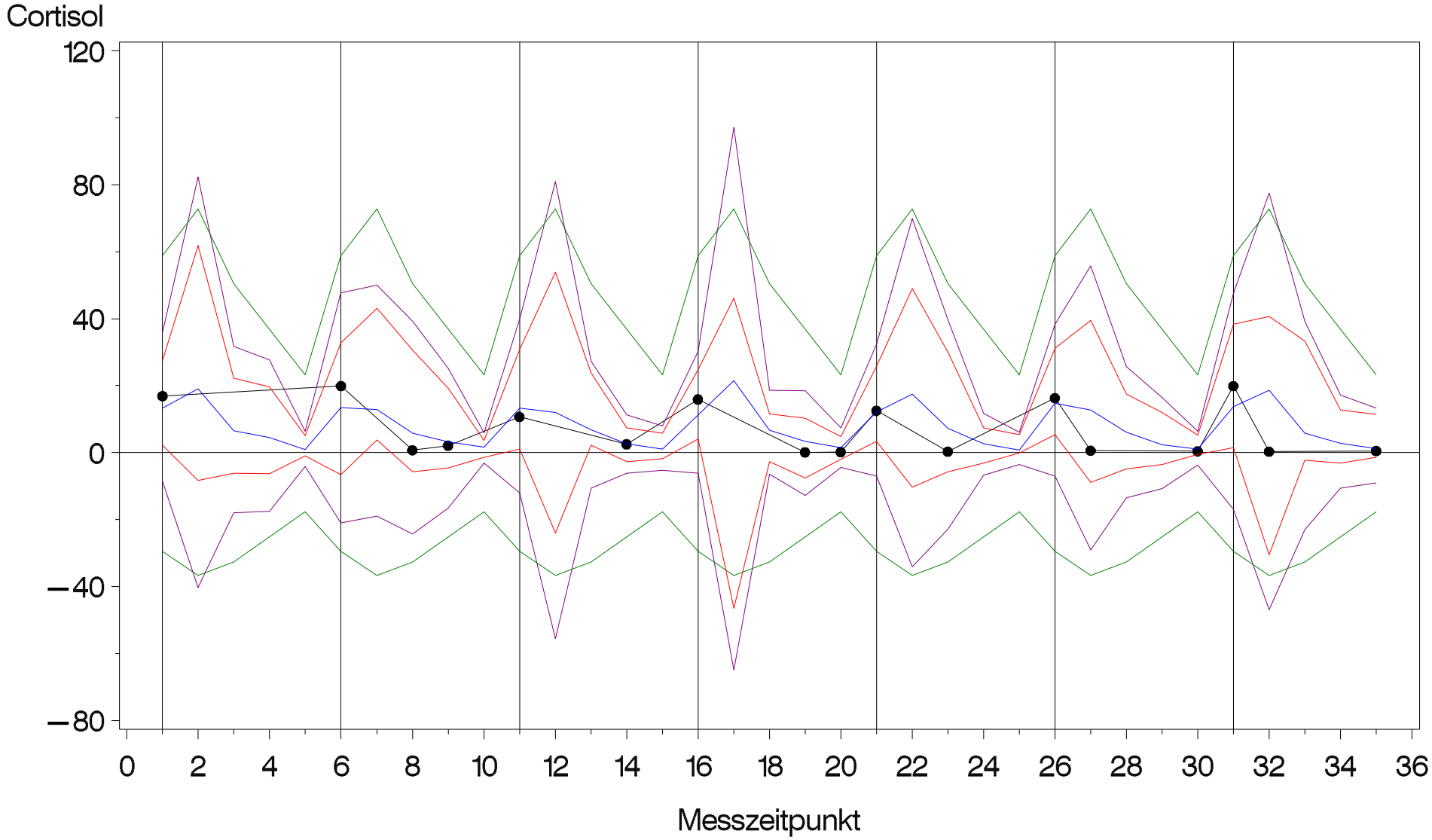
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=FMS VPN [1—99]=4



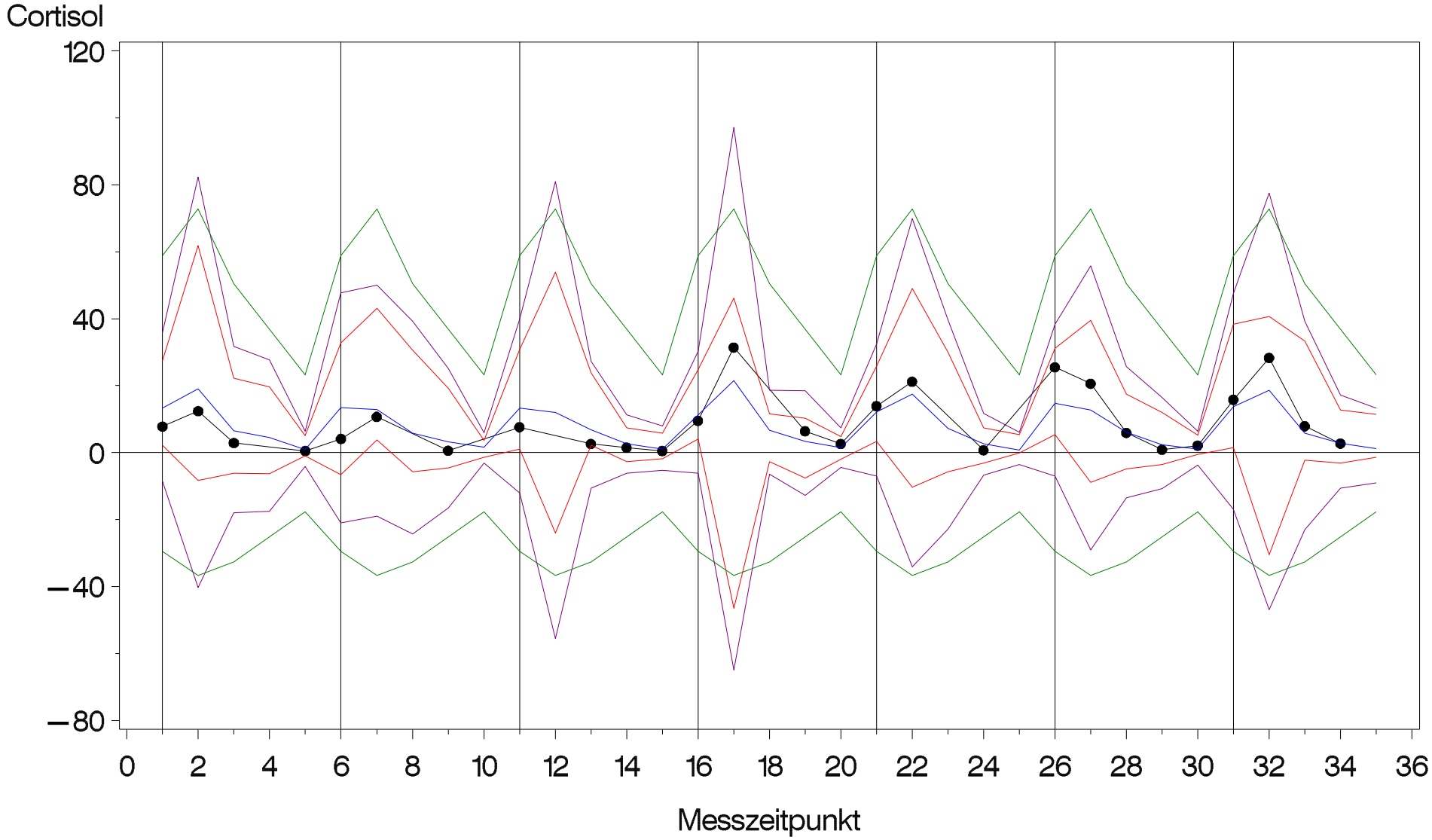
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]= 19



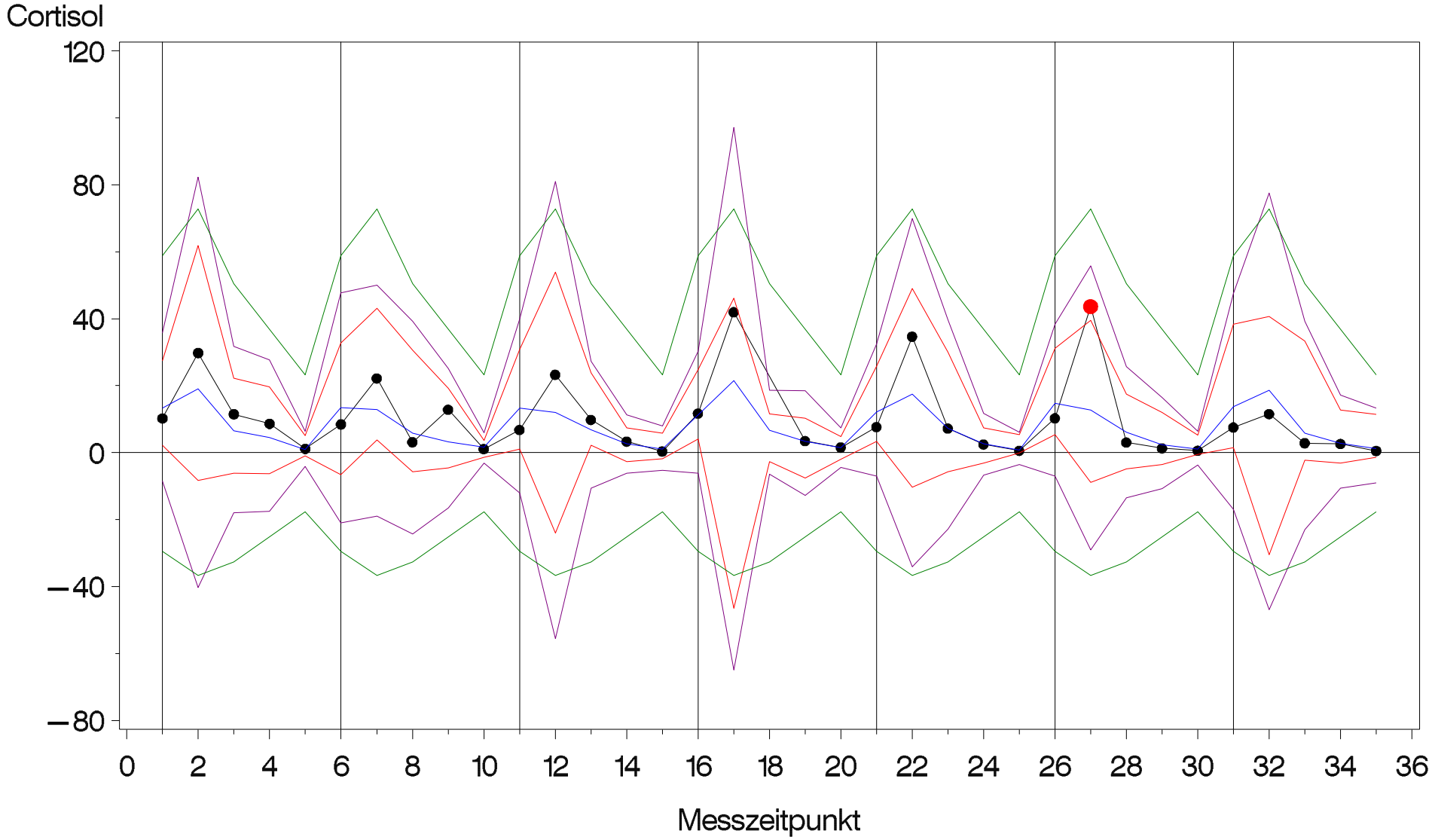
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1−99]=21



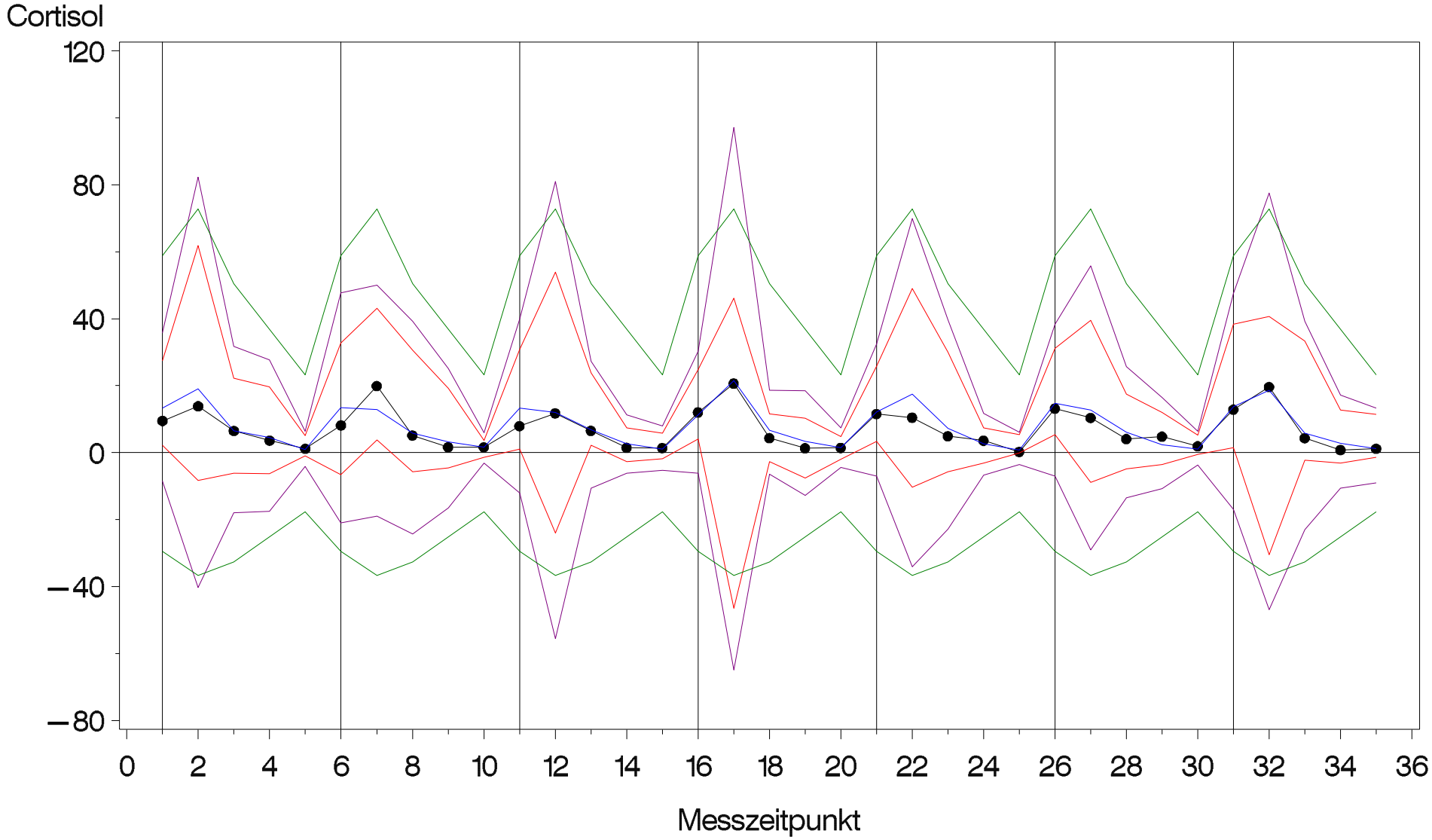
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1−99]=25



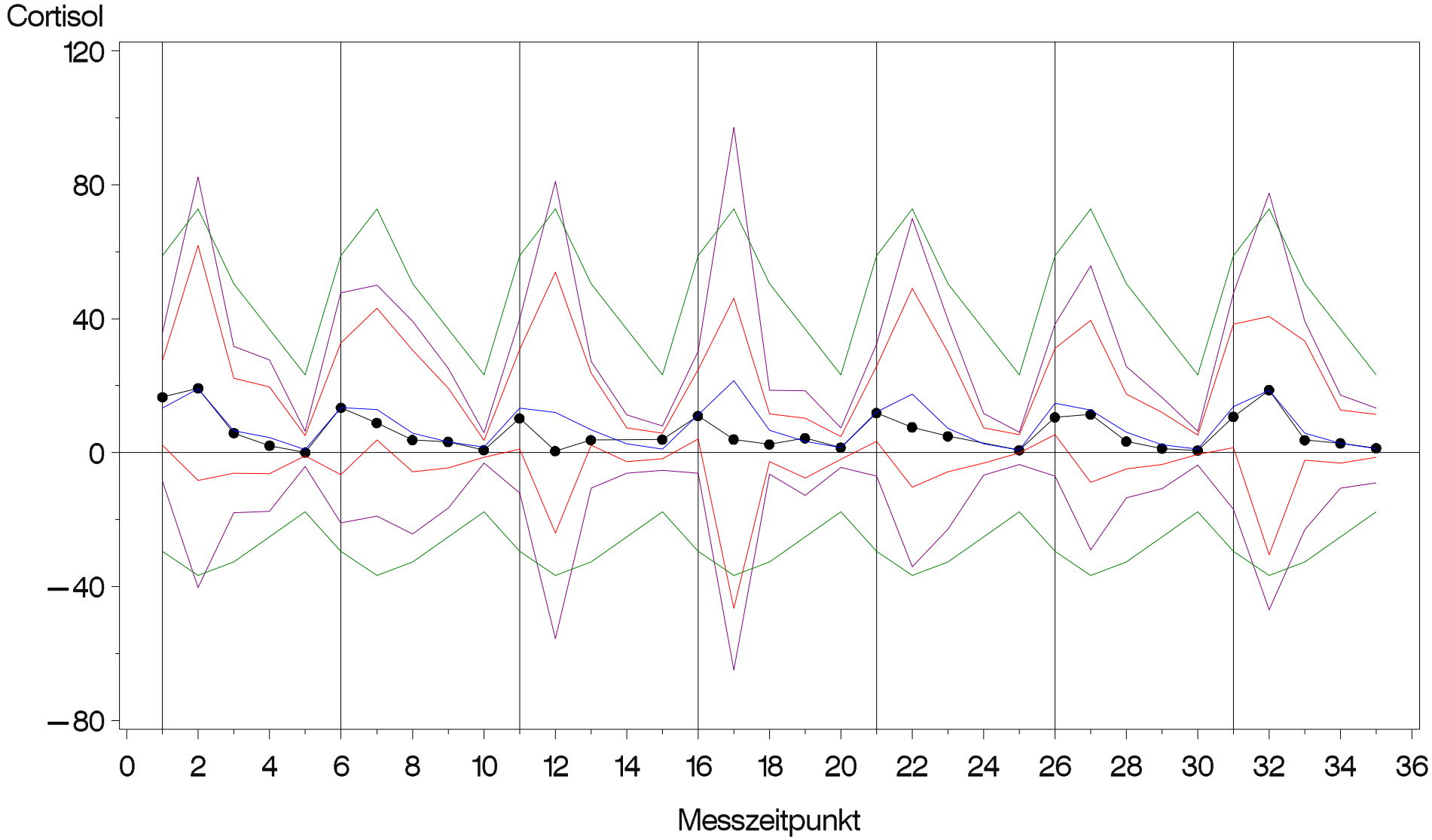
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]=36



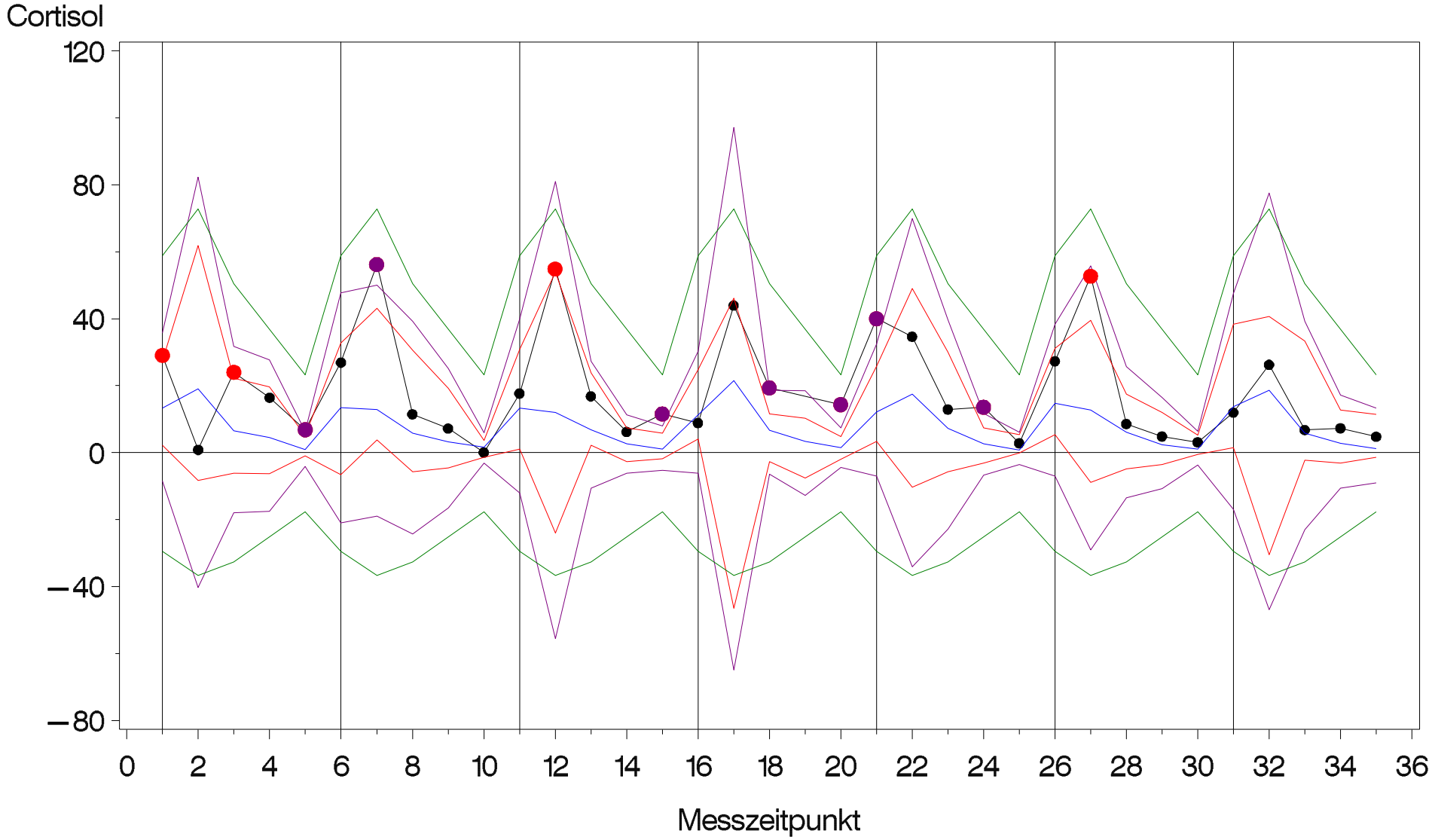
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]=41



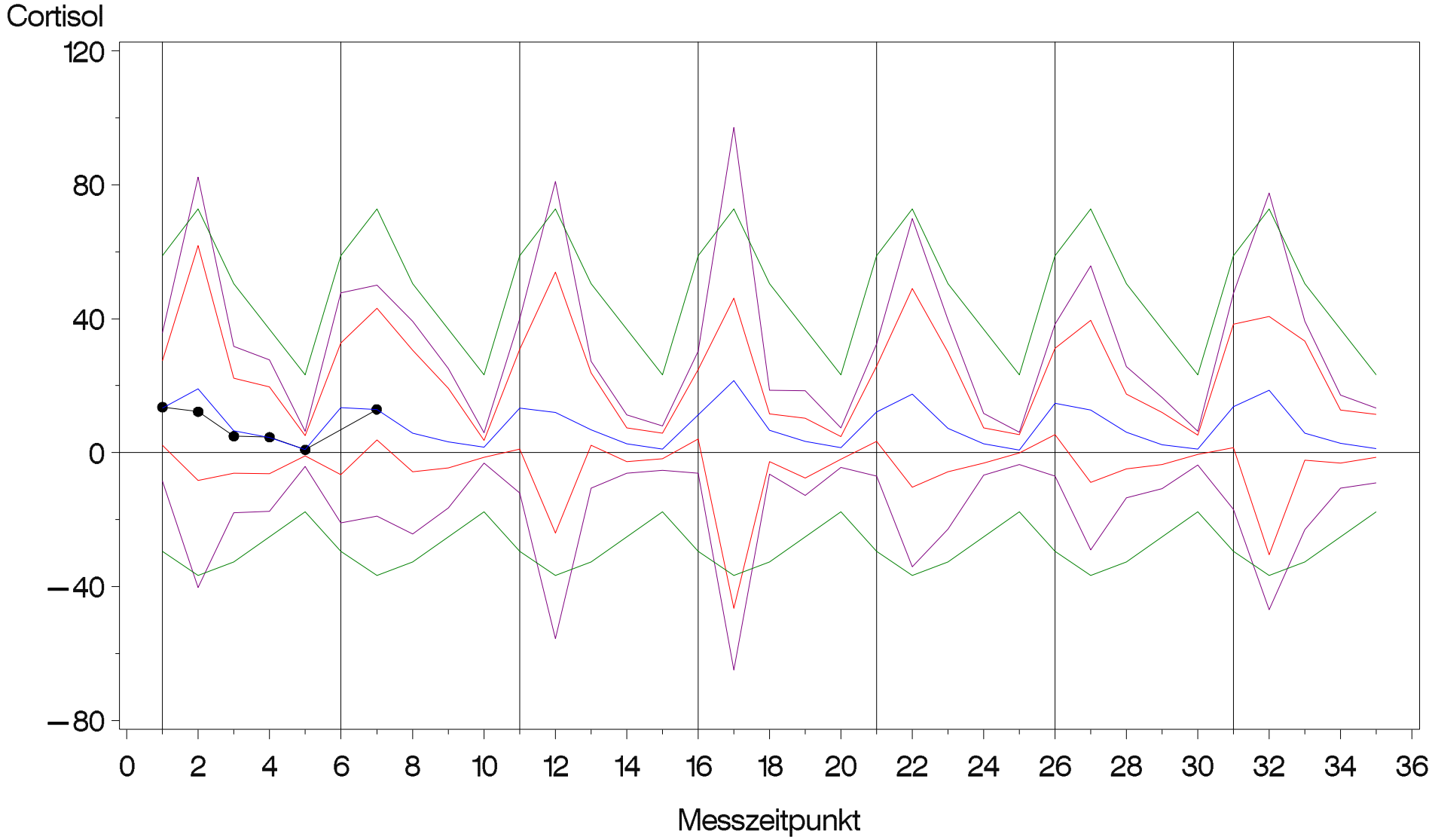
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=FMS VPN [1–99]=74



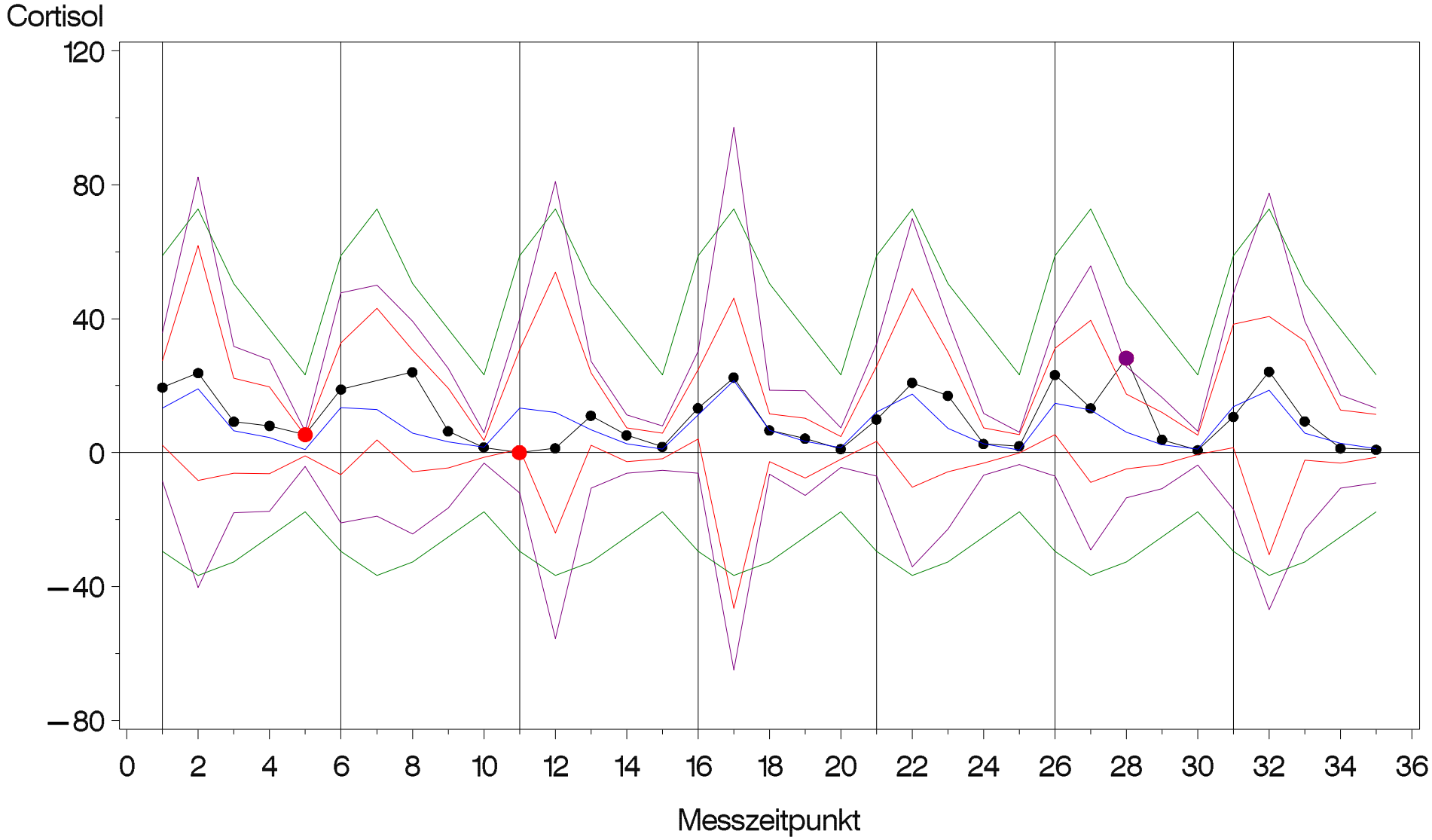
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]= 83



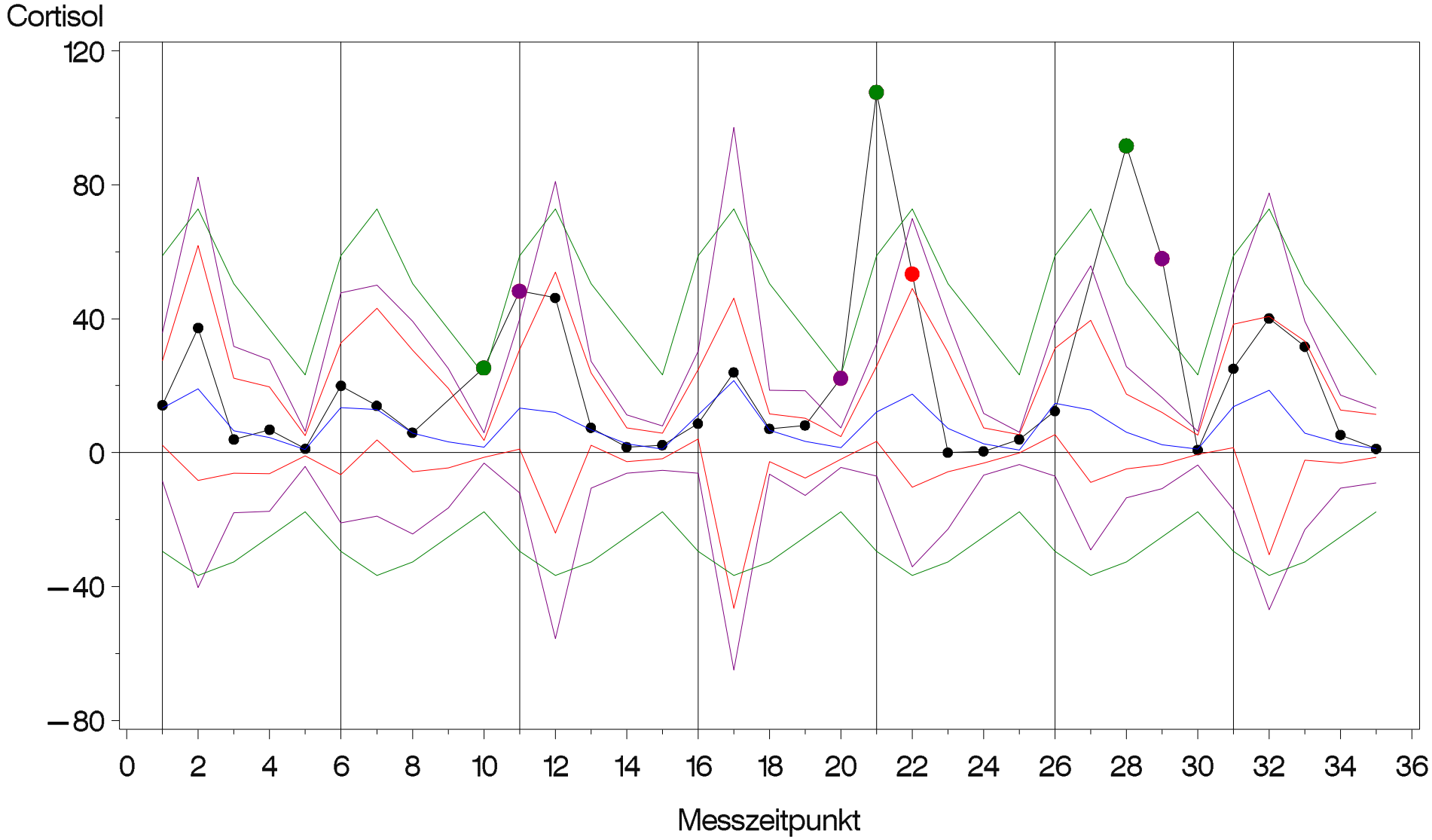
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]= 85



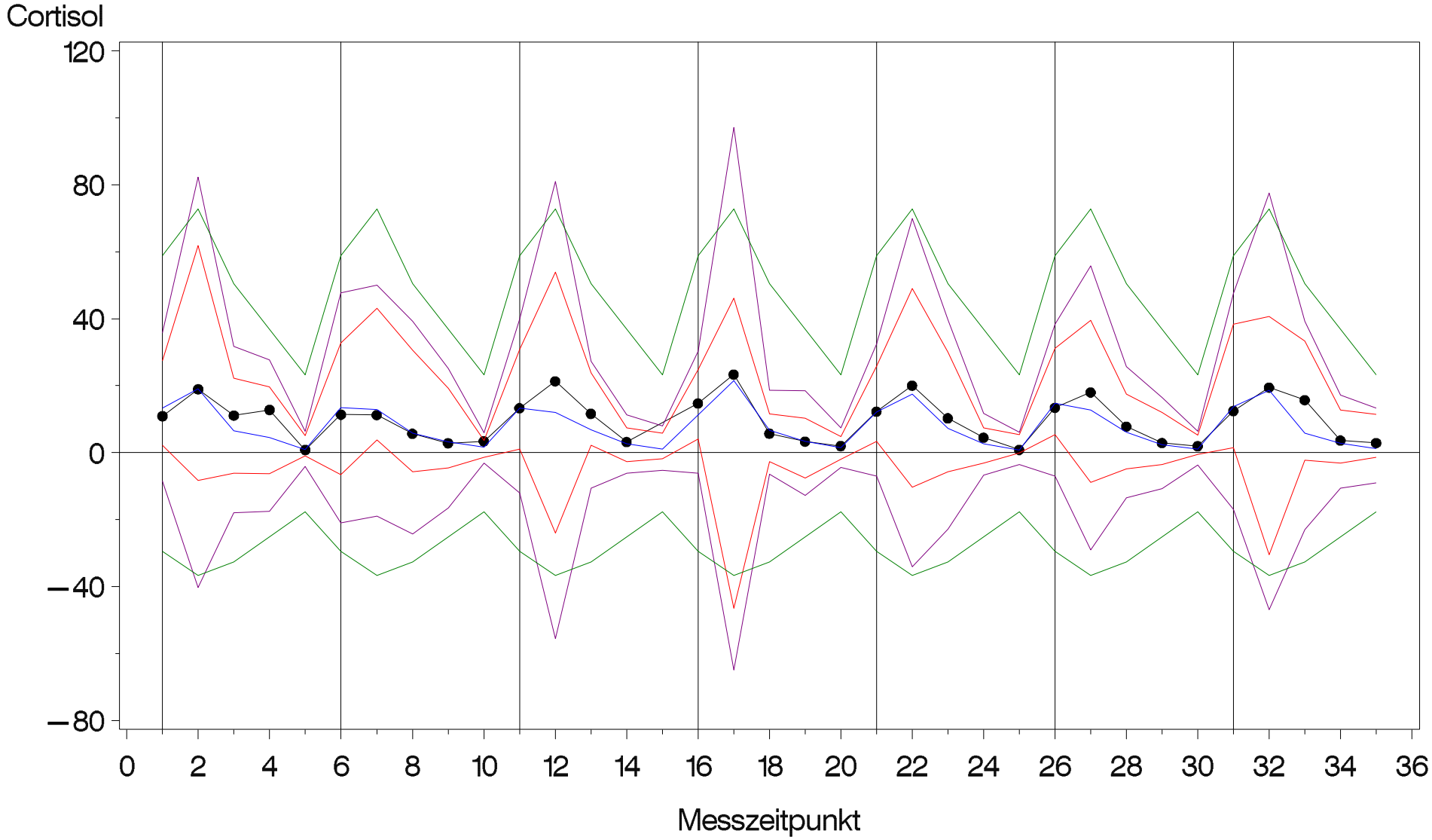
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]= 86



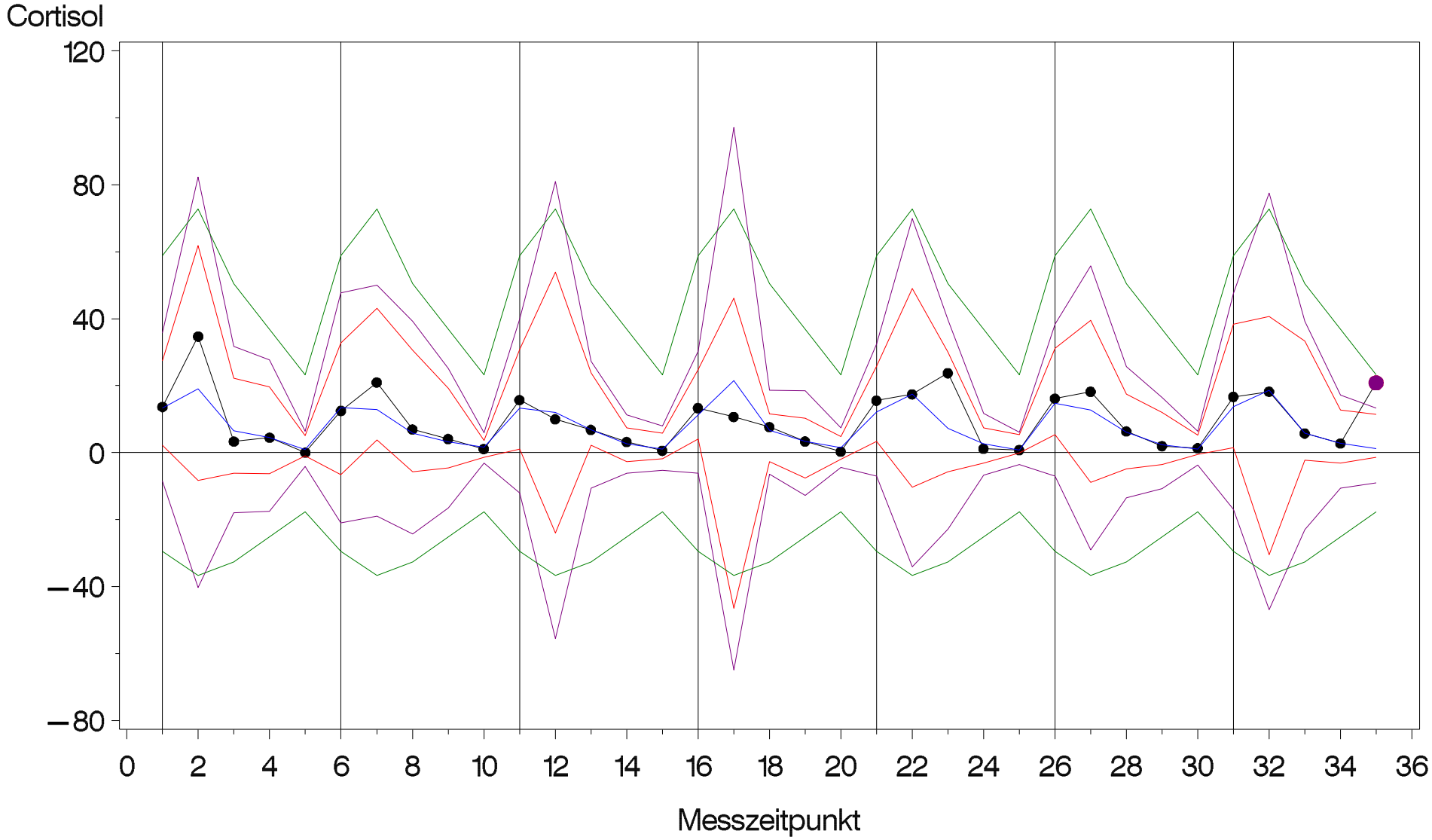
Cortisol Messreihen mit Ausreissern (Outlier: rot= Tukey, purple= IQA, gruen= 4*STD/ blau median)
gruppe= FMS VPN [1−99] = 87



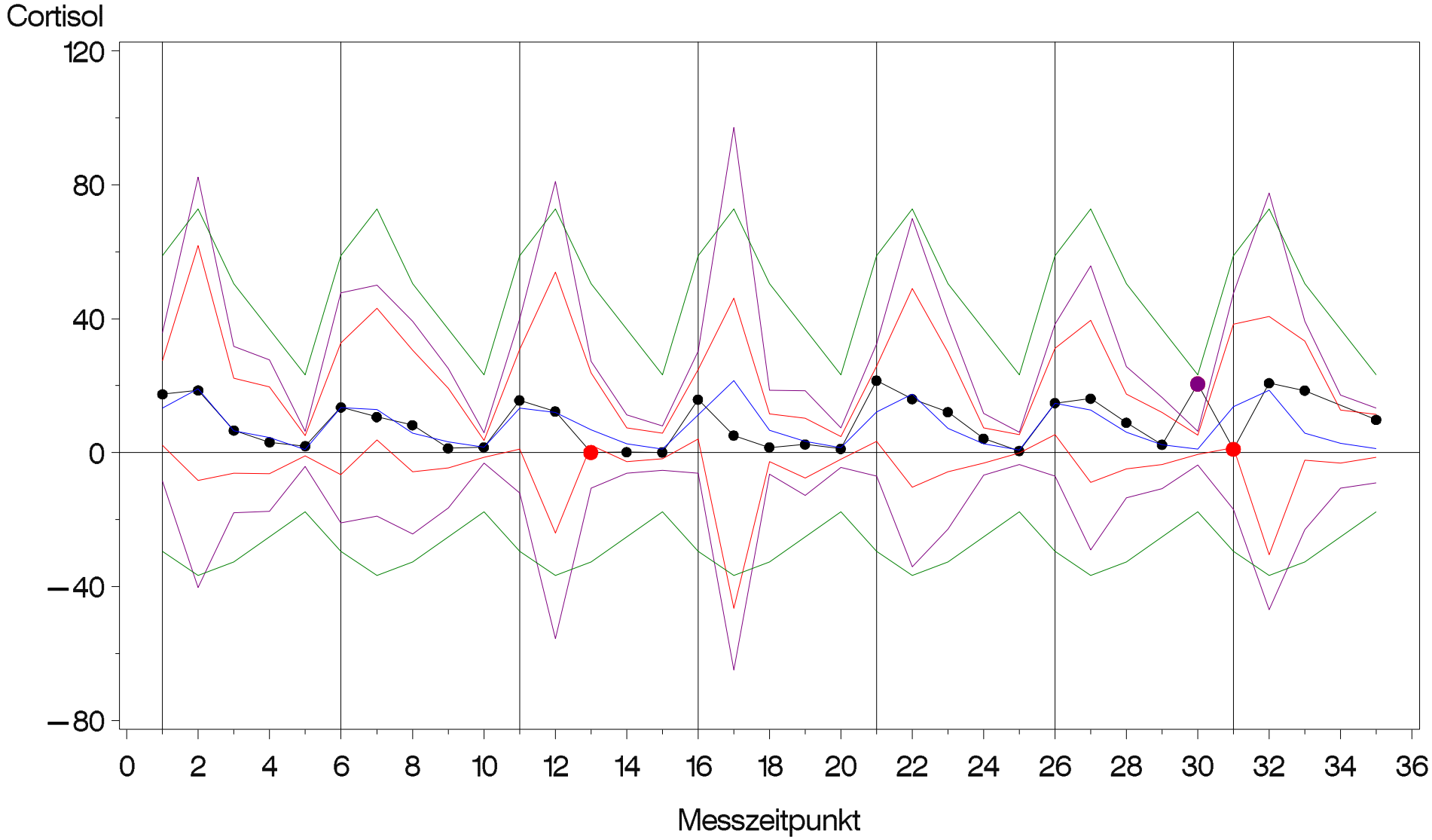
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]=91



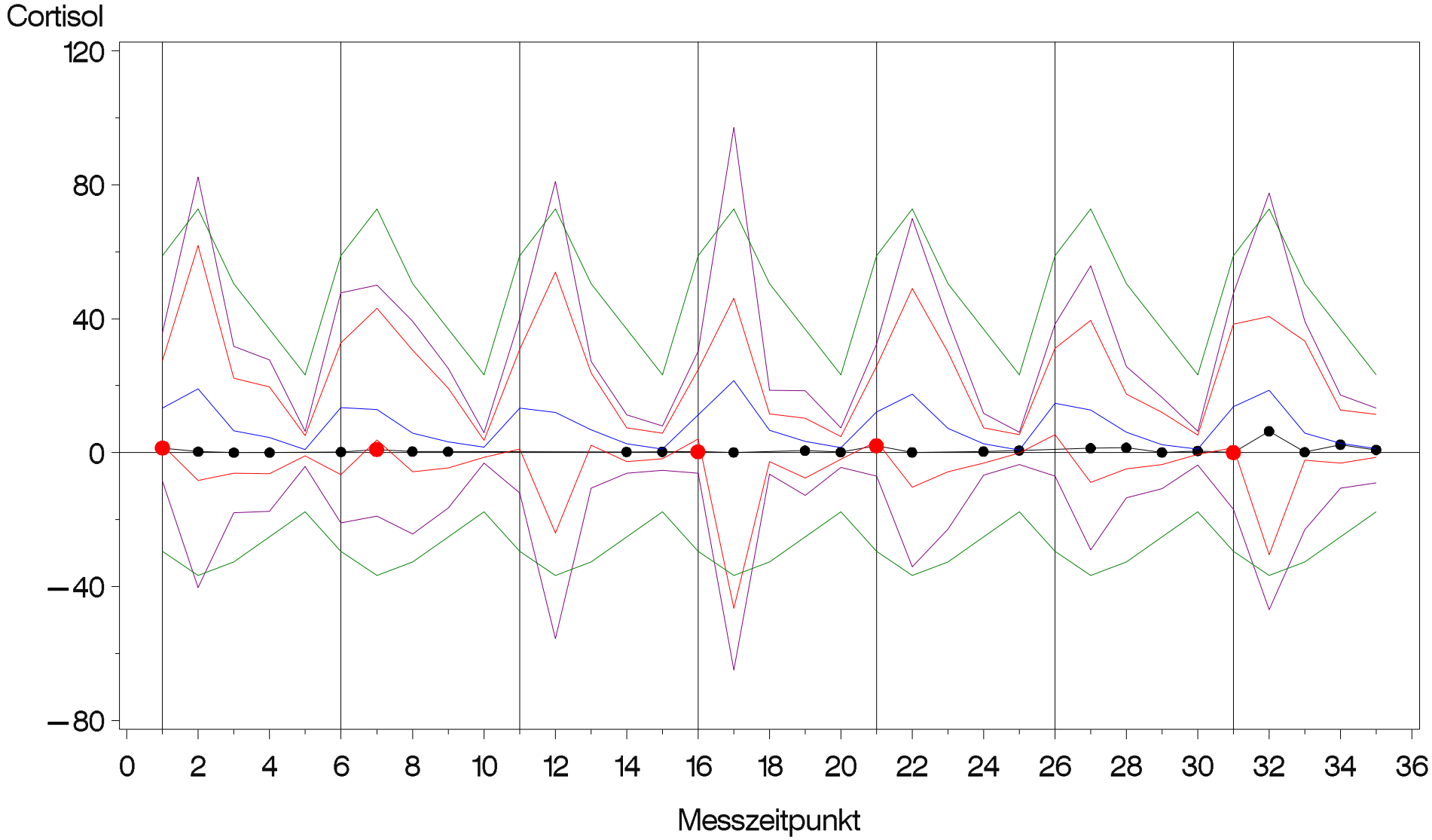
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1−99]= 92



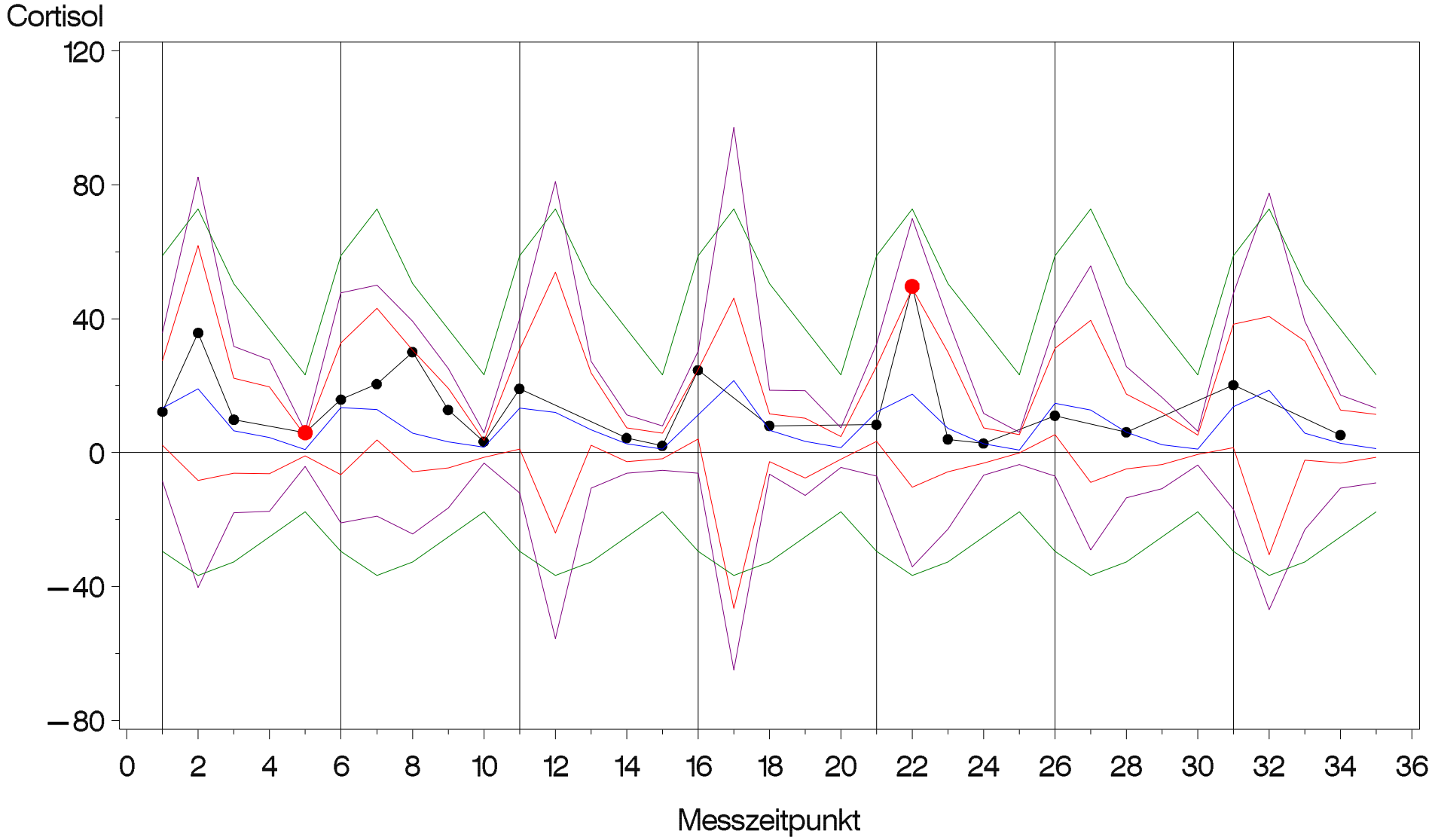
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1−99]=93



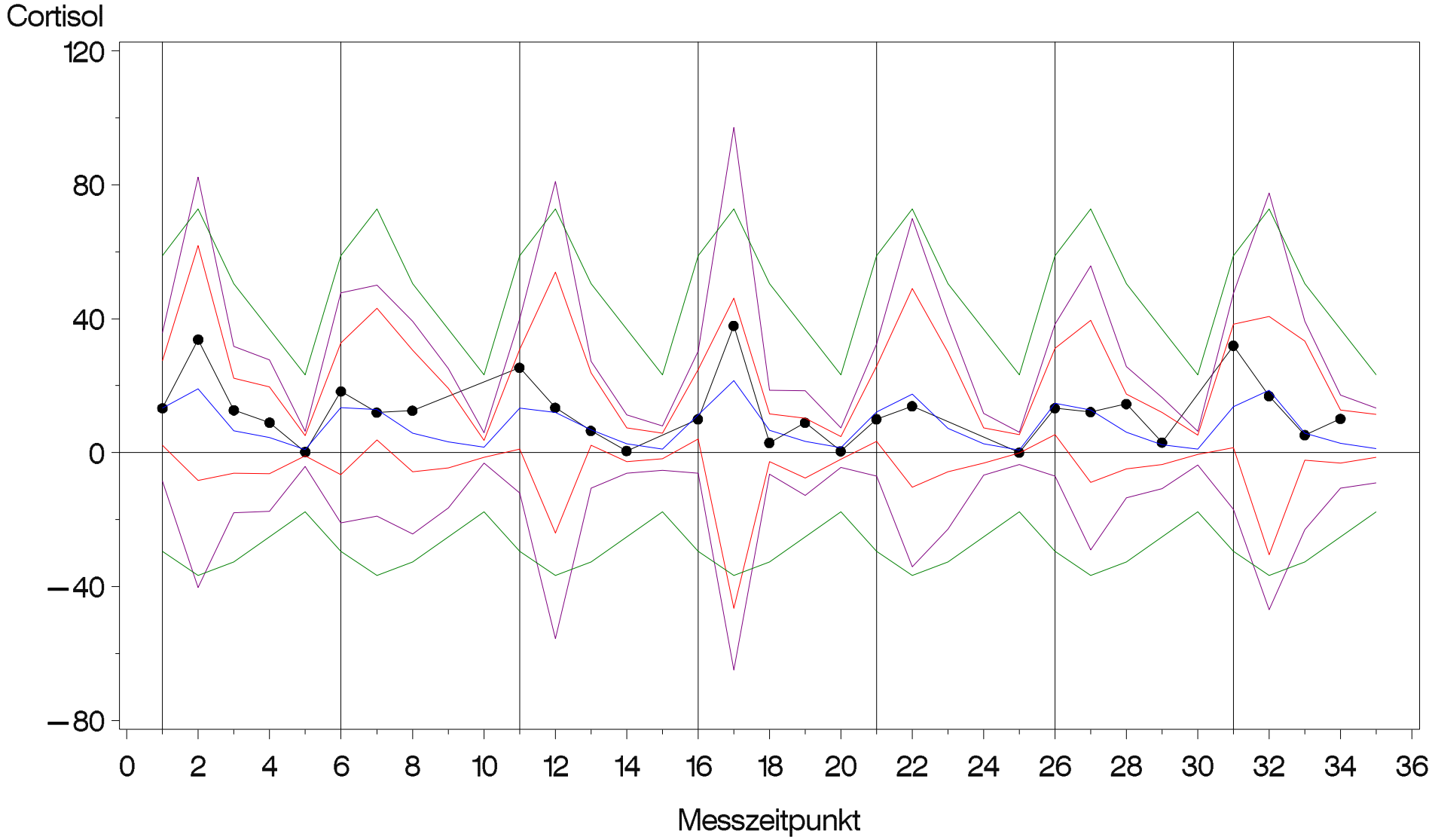
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1–99]= 94



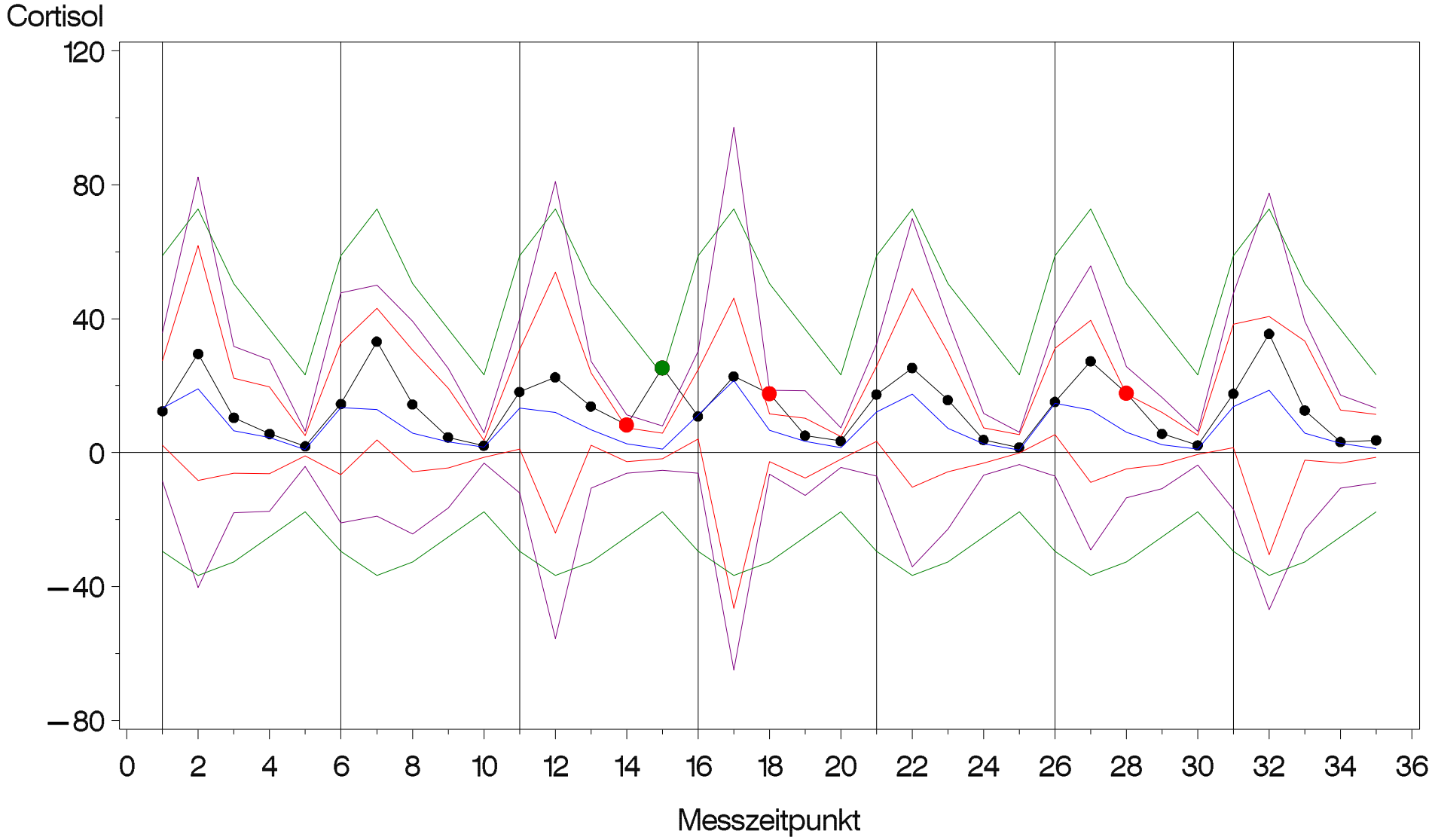
Cortisol Messreihen mit Ausreissern (Outlier: rot= Tukey, purple= IQA, gruen= 4*STD/ blau median)
gruppe= FMS VPN [1–99] = 95



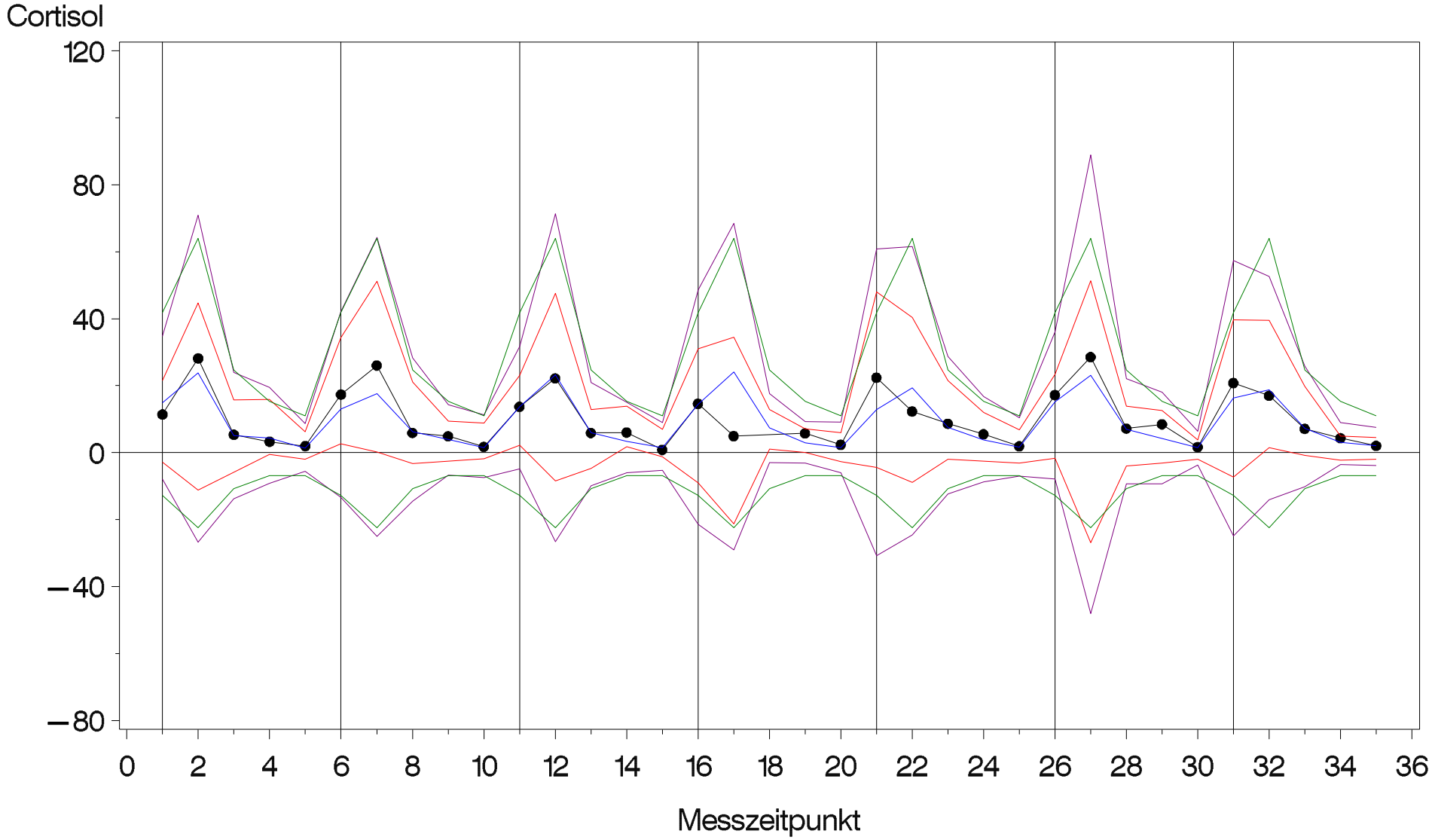
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= FMS VPN [1−99]=99



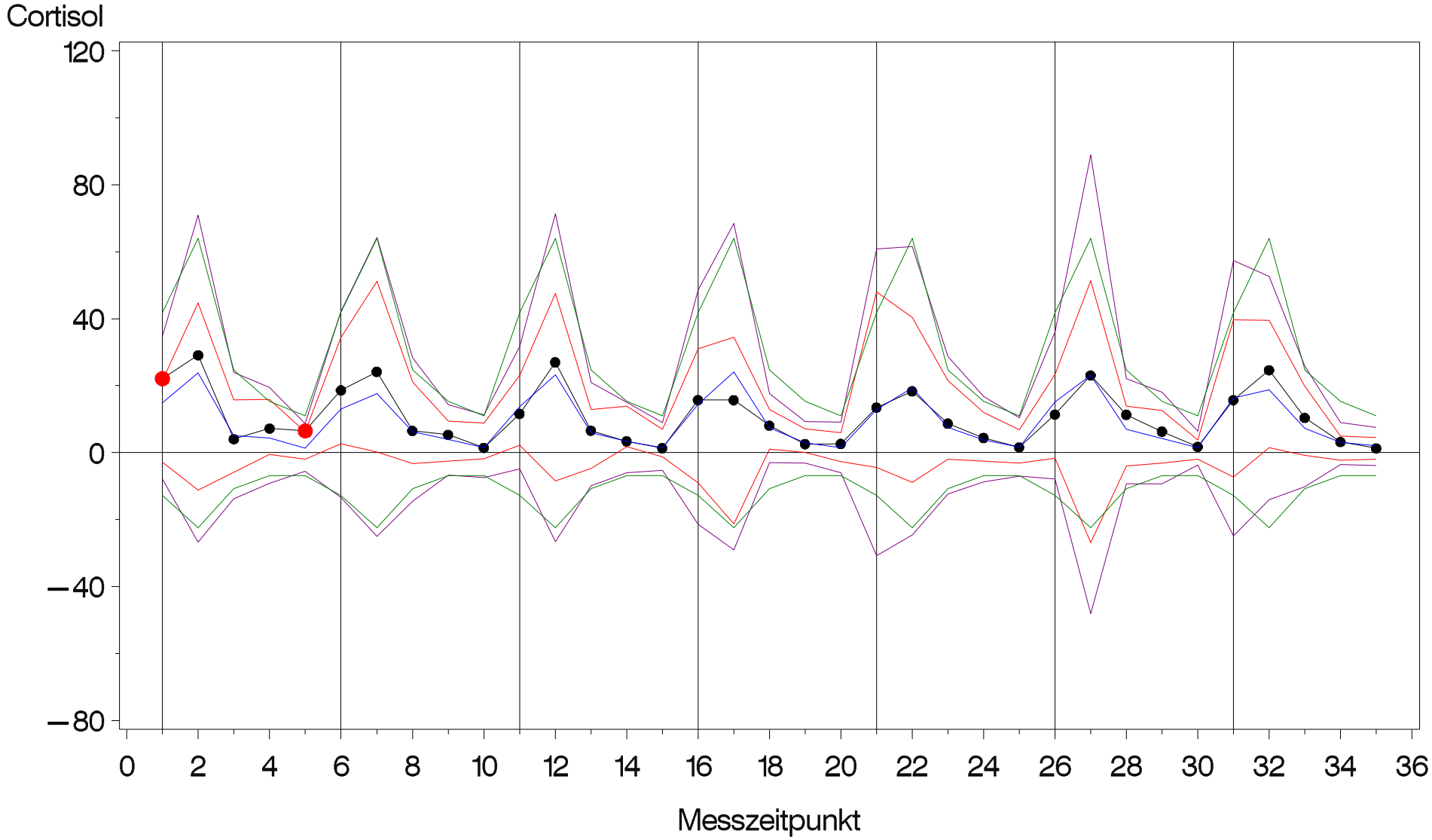
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=FMS VPN [1—99]=101



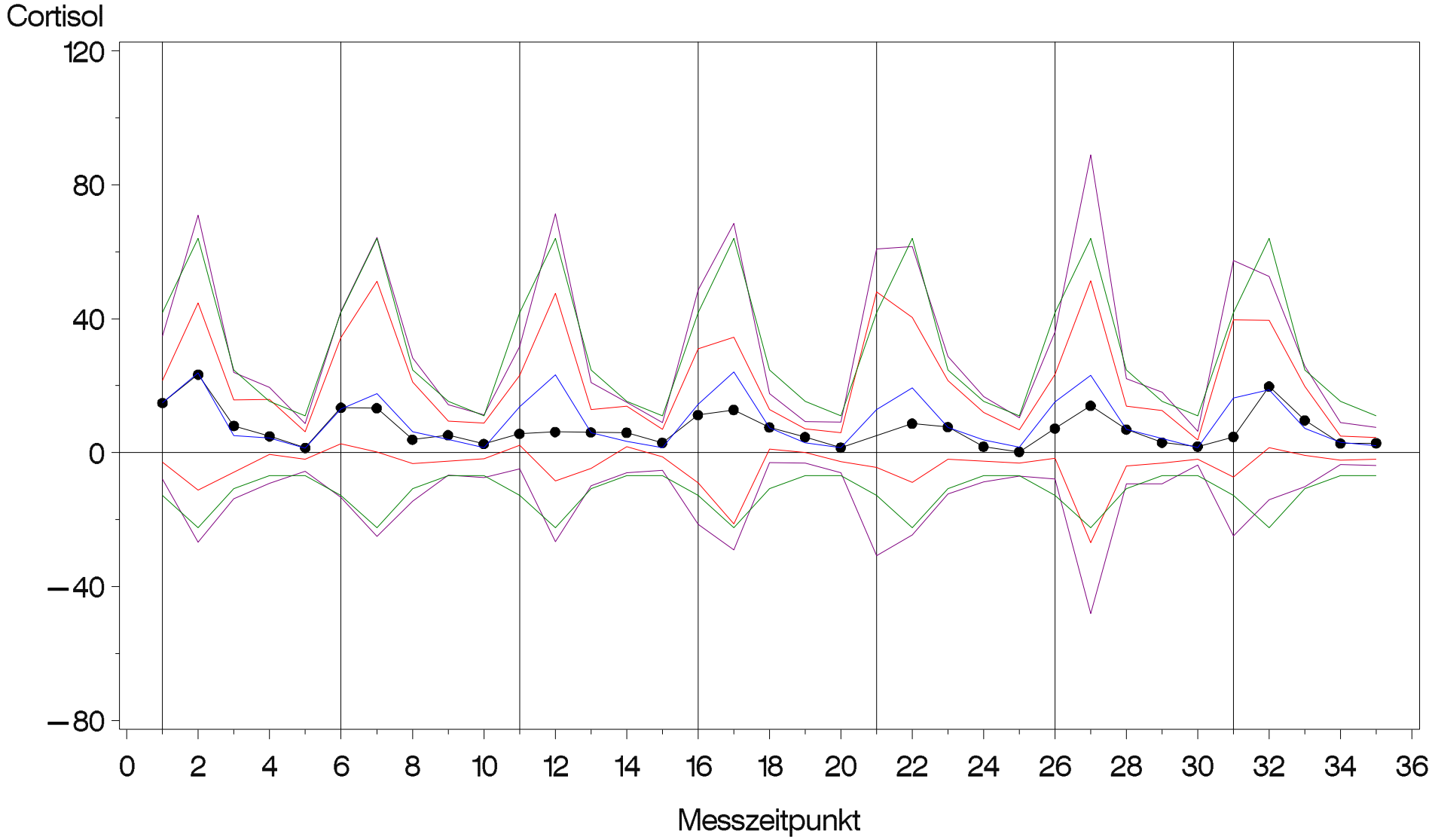
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=57



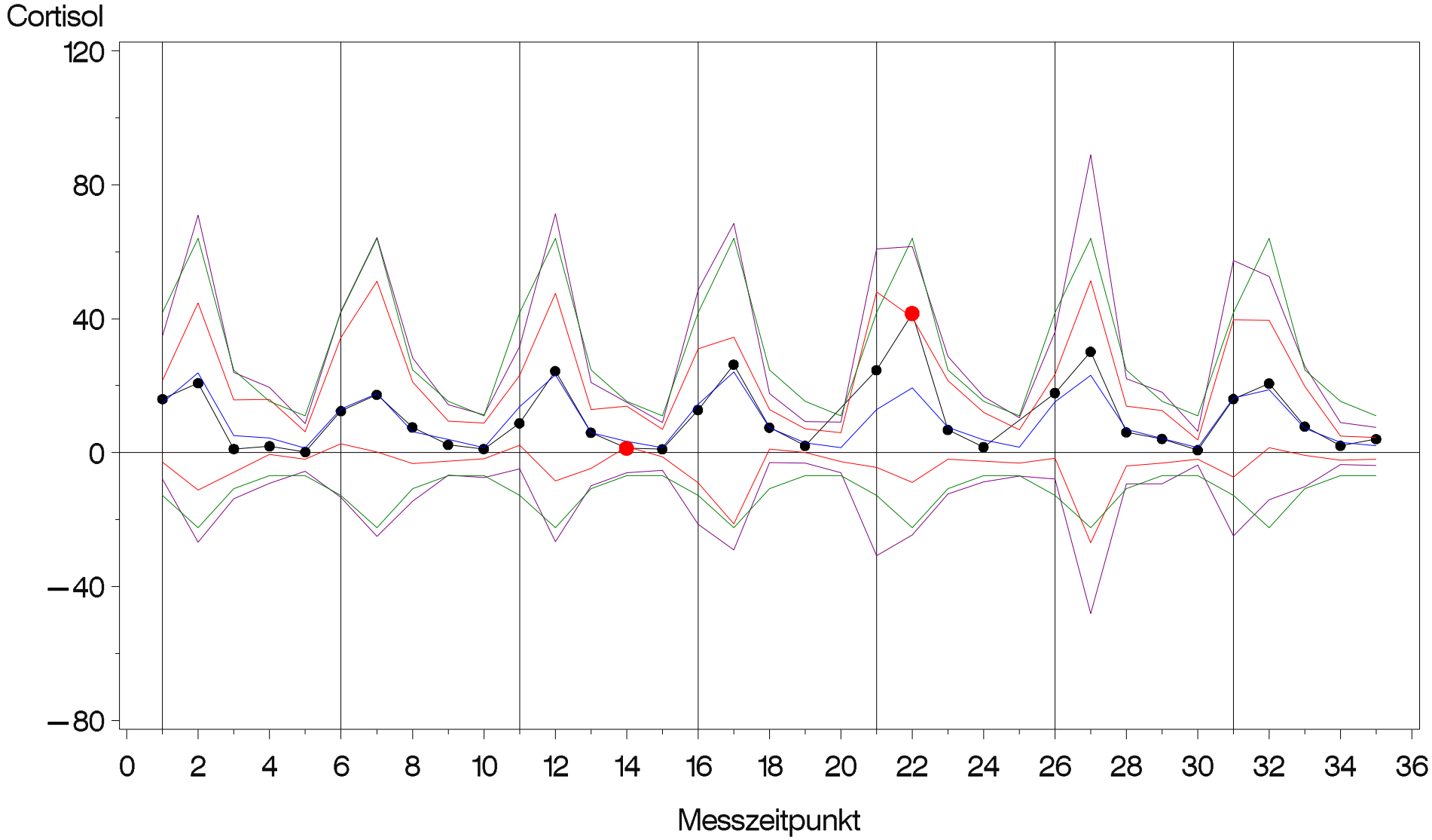
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=60



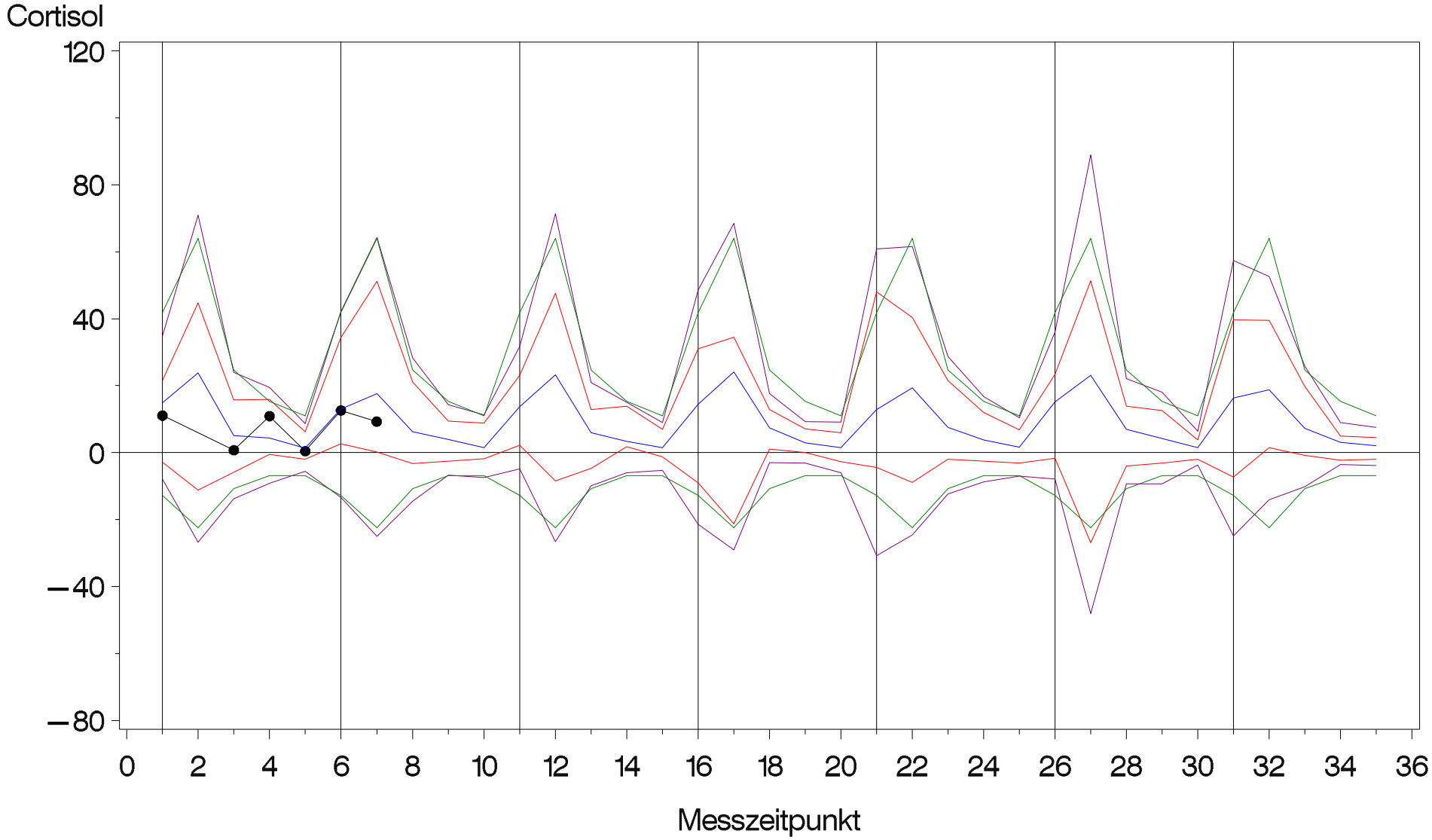
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1–99]=61



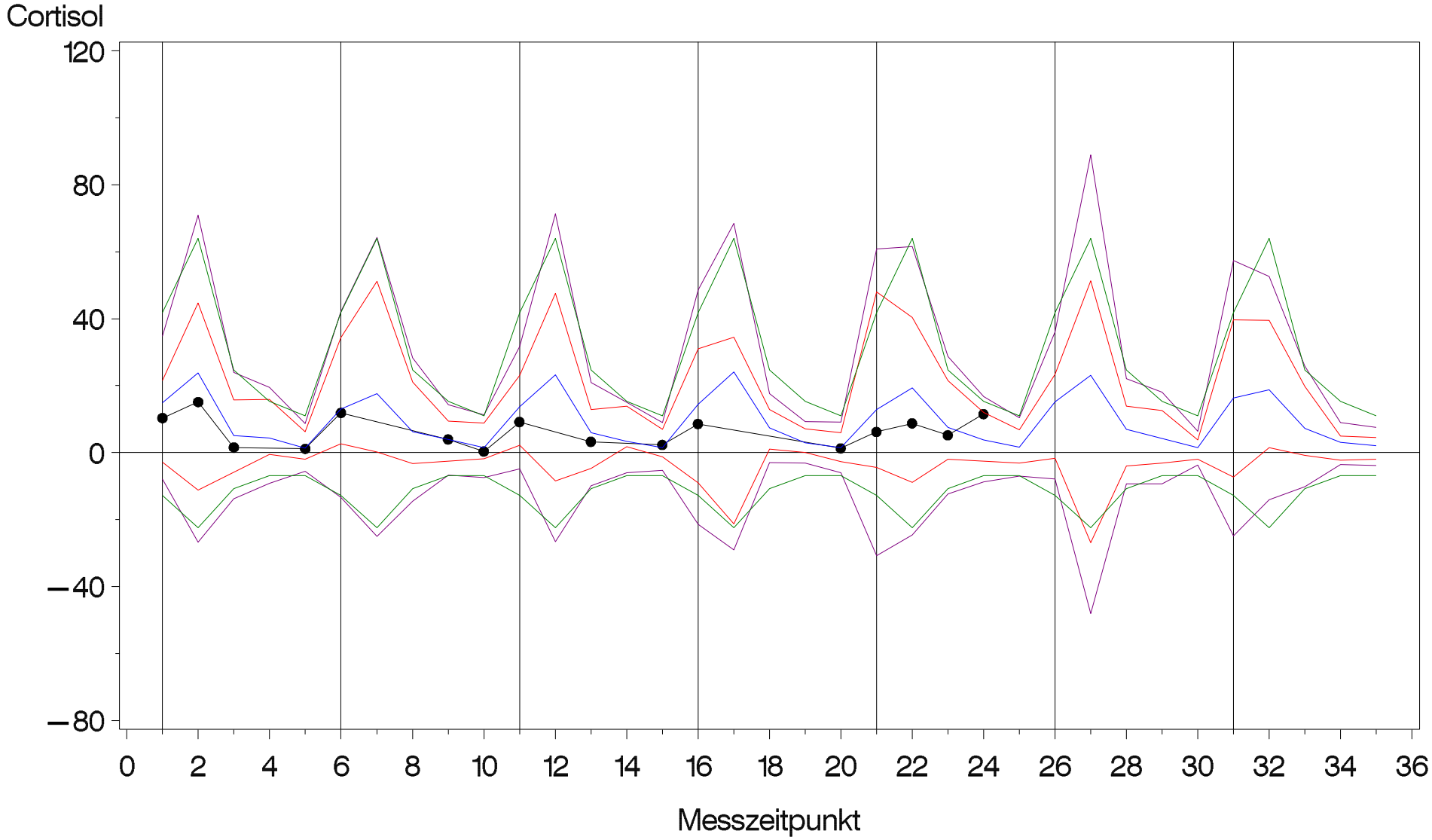
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=65



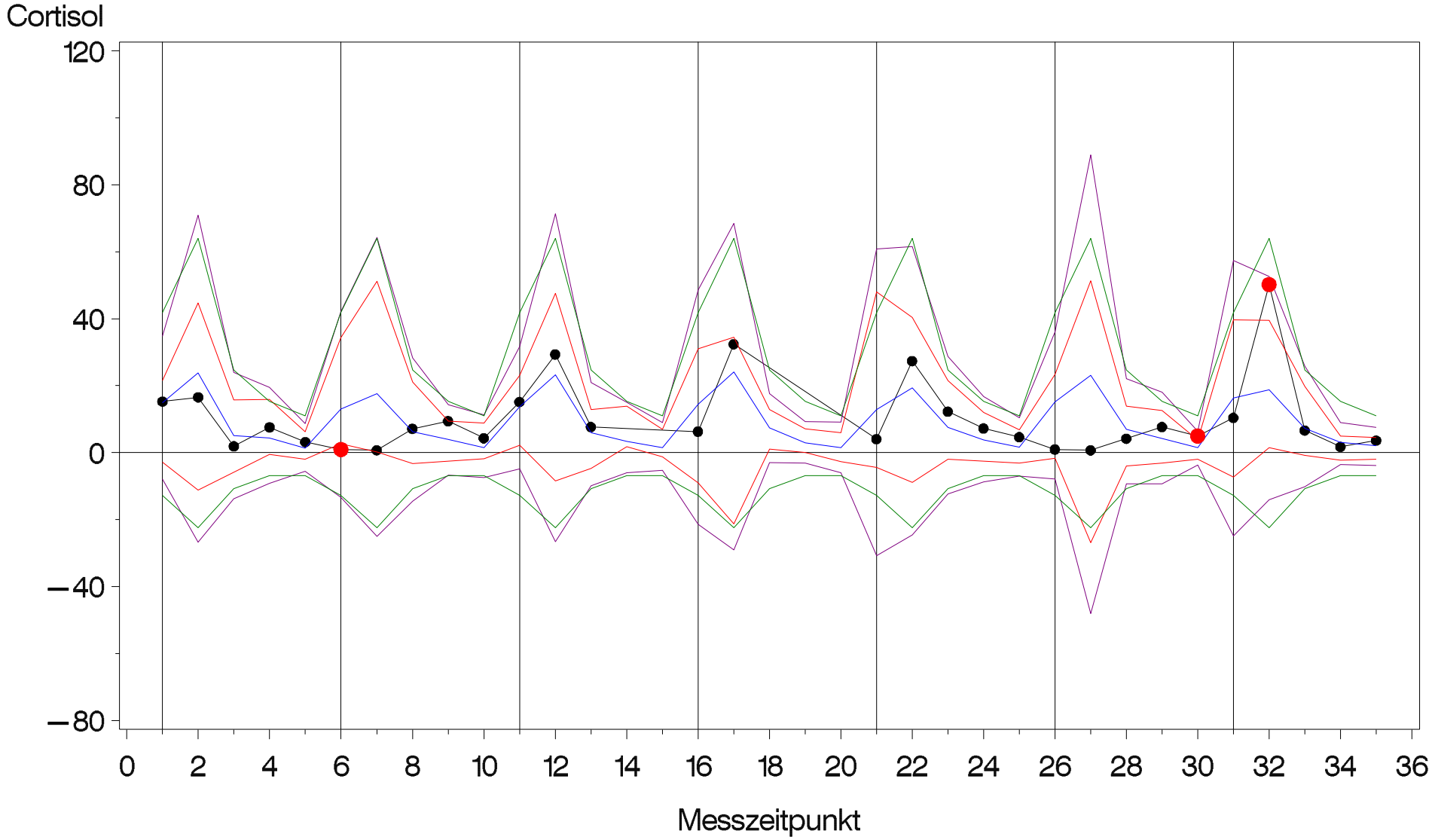
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=66



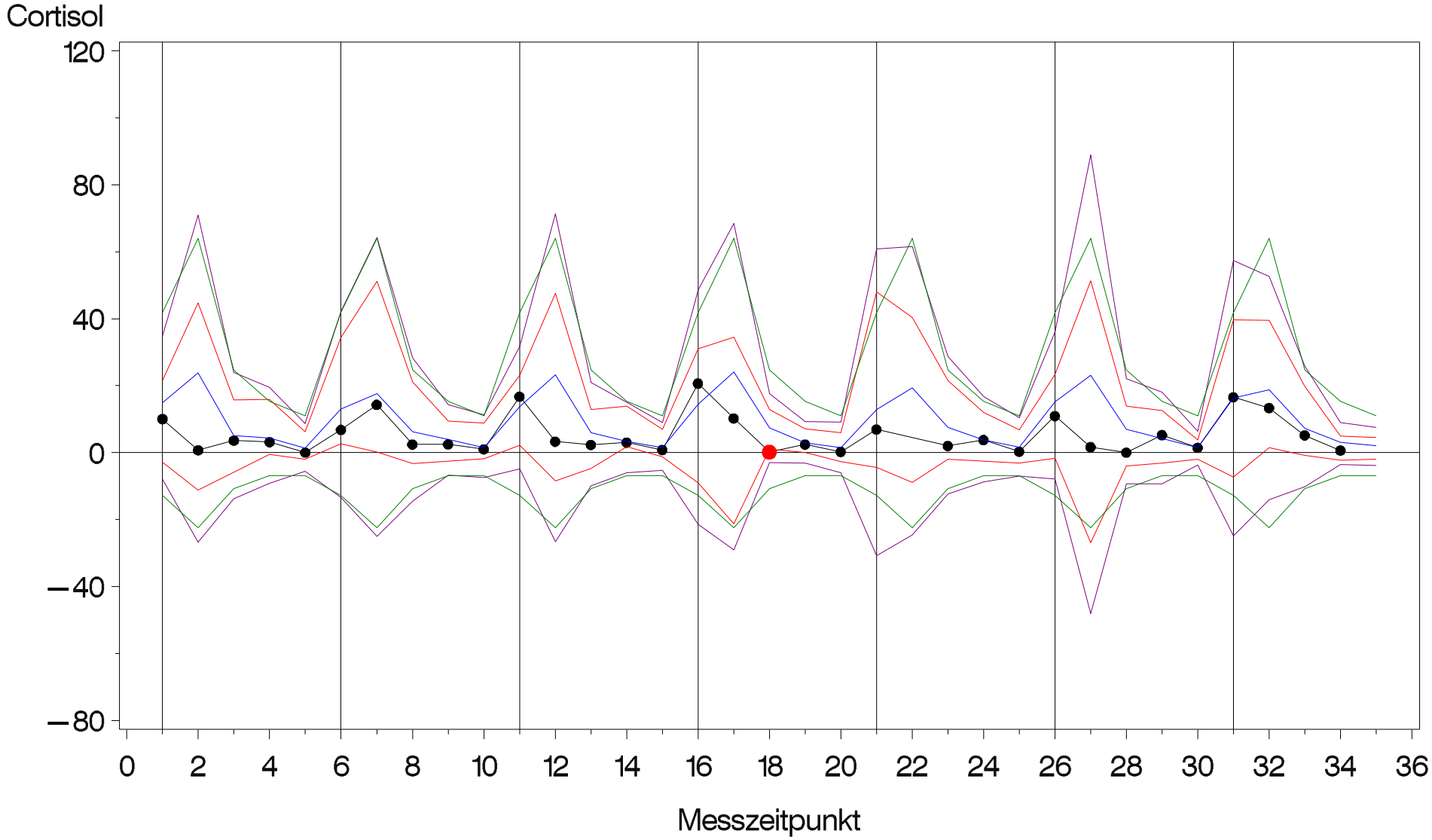
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=68



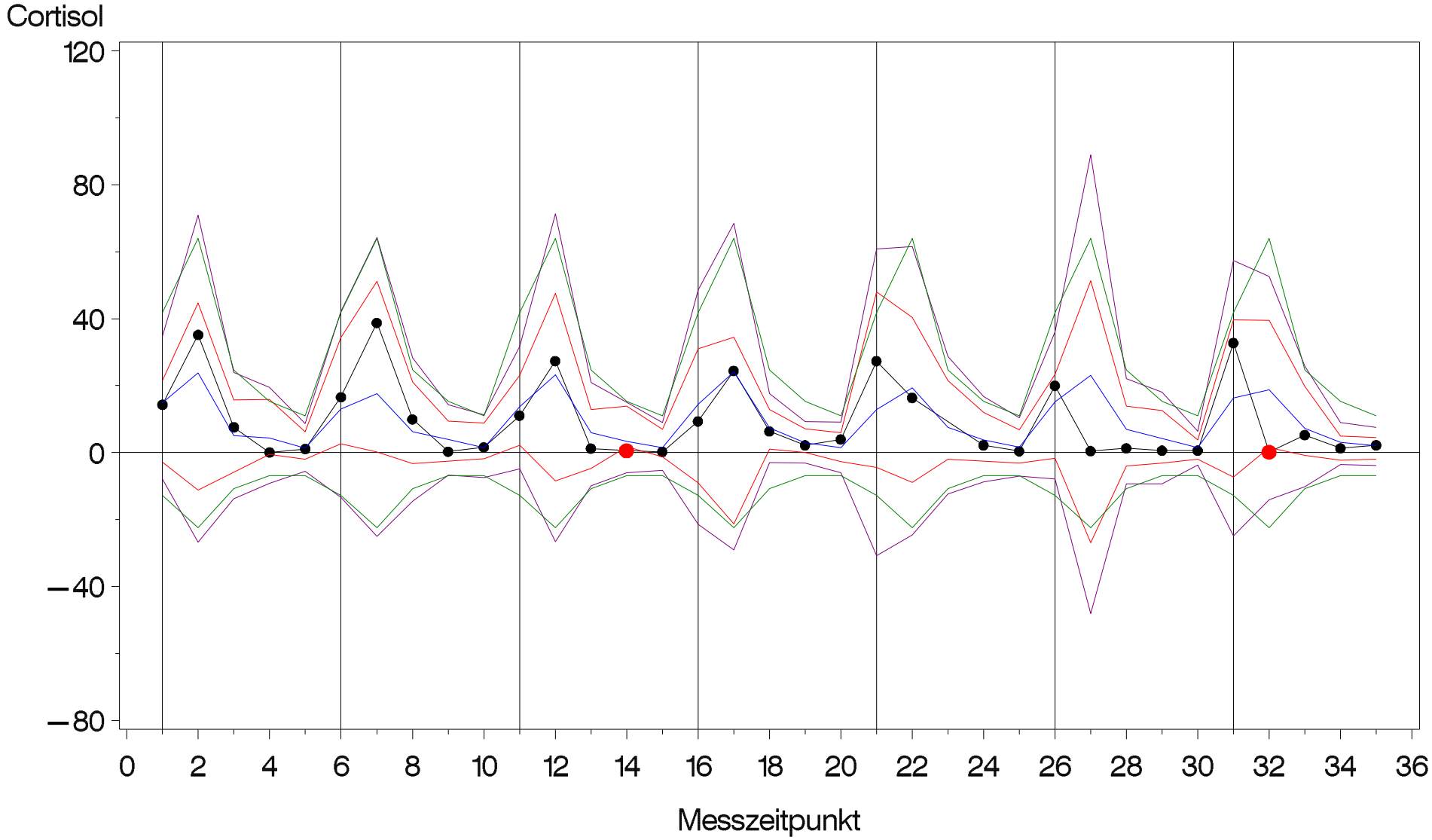
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=69



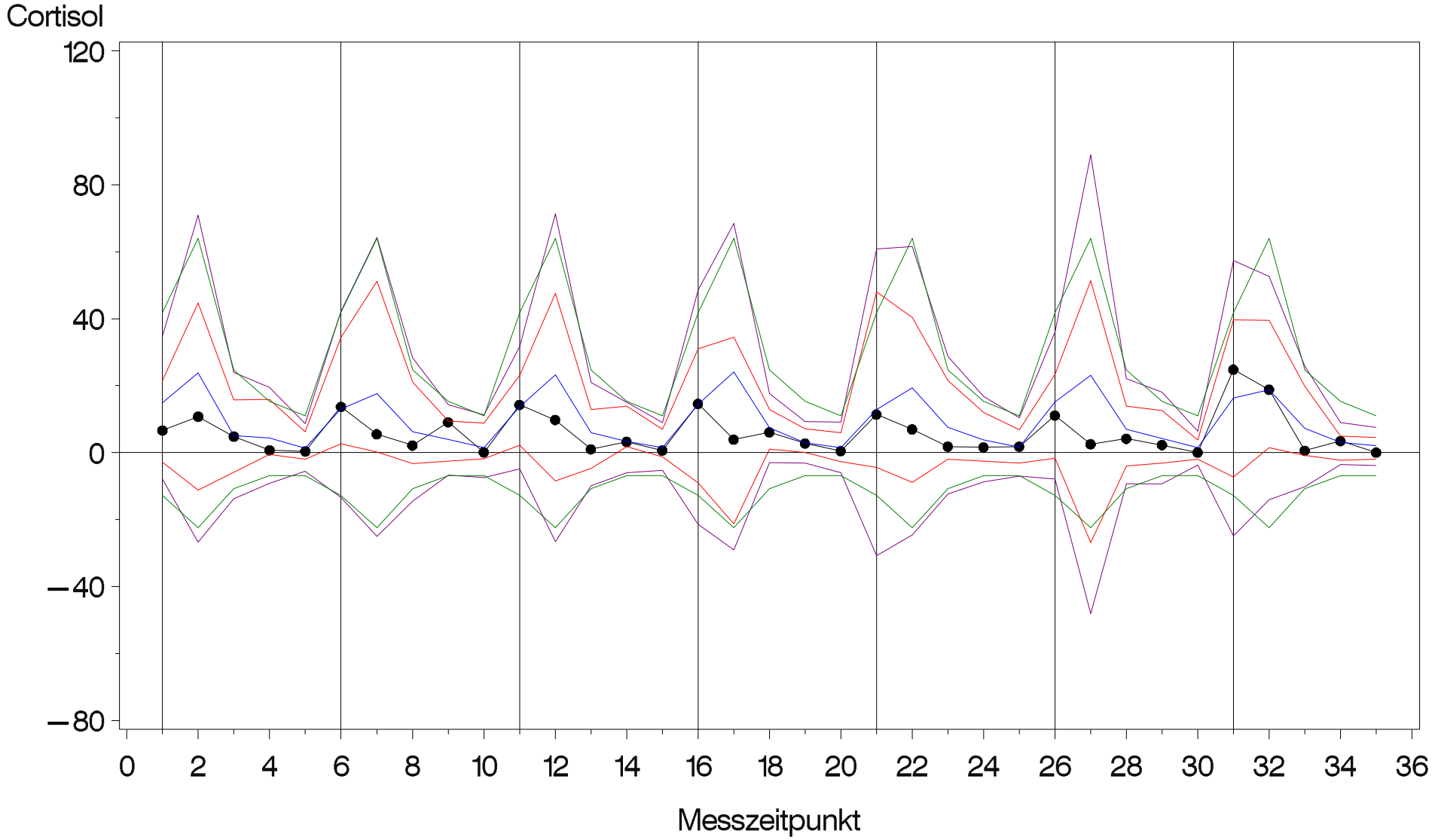
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=70



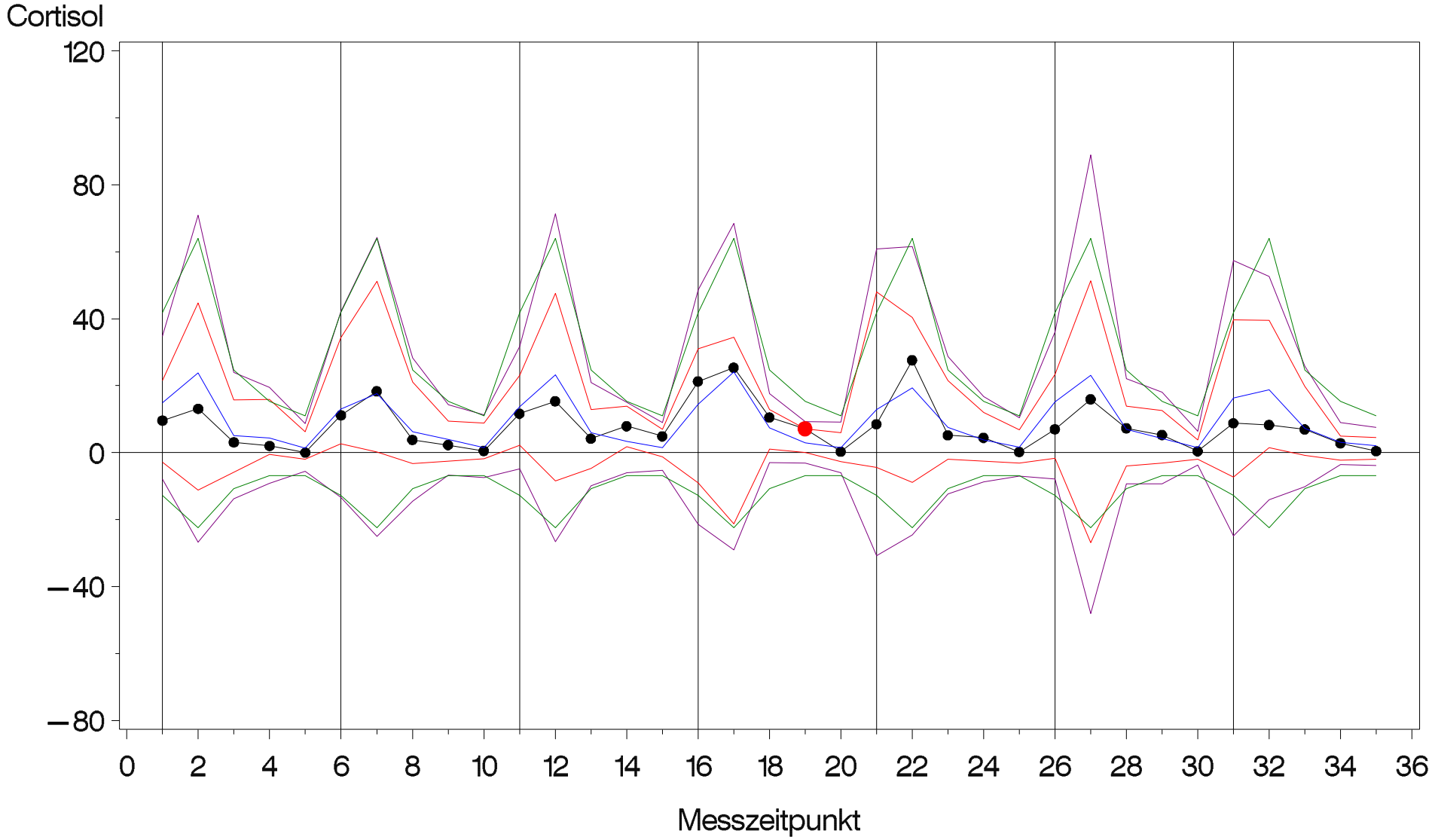
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1–99]=72



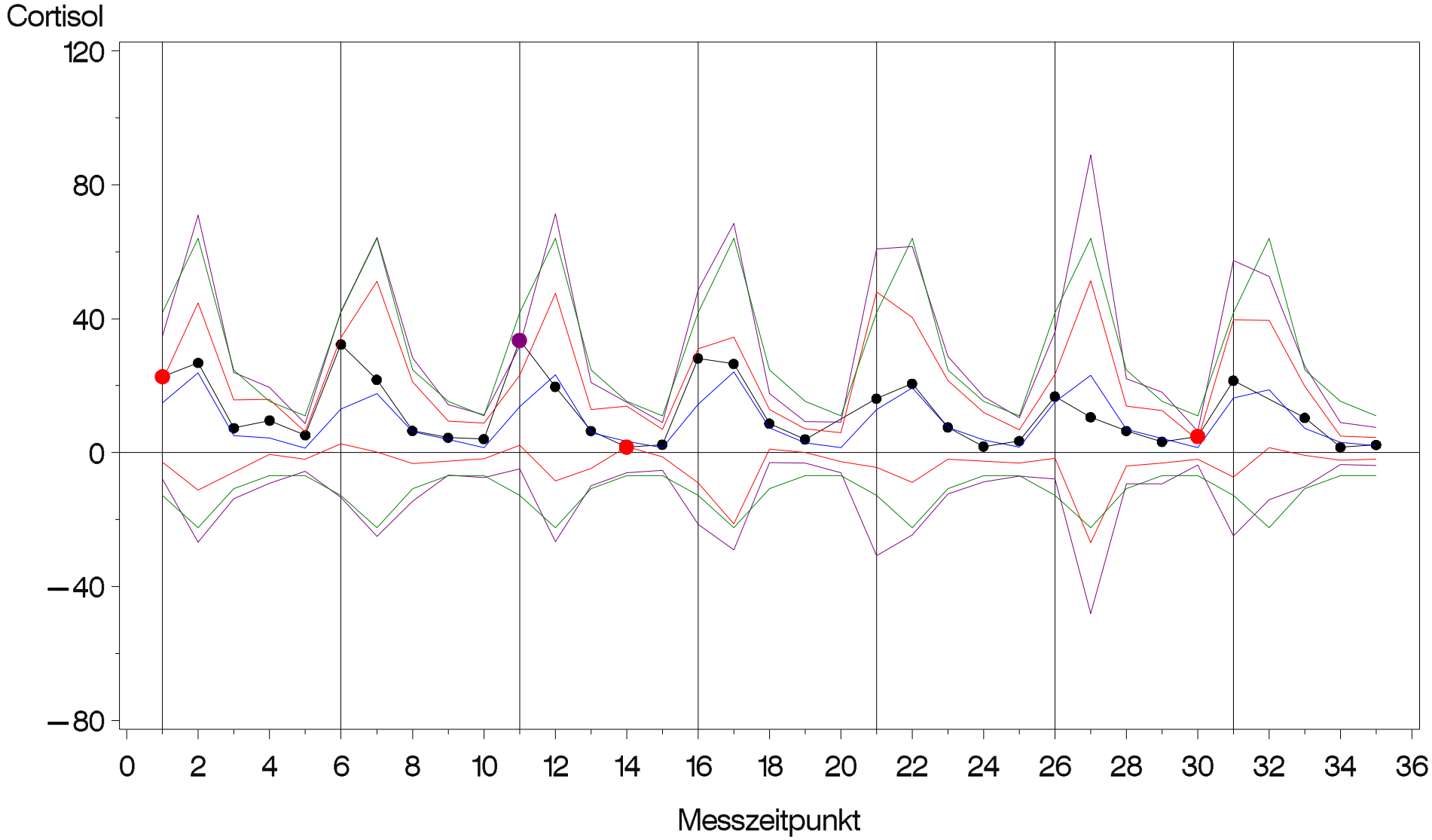
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=73



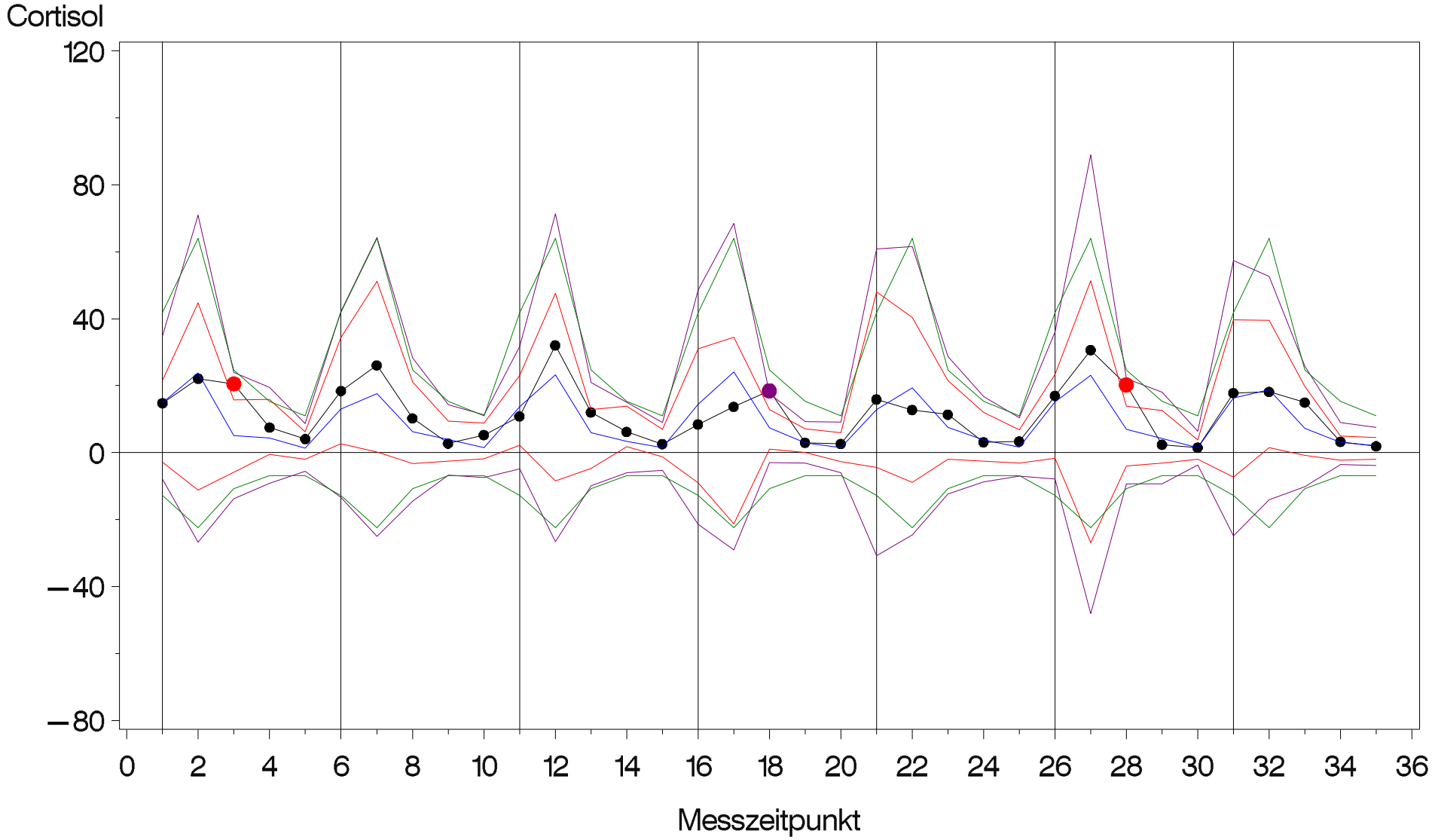
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=76



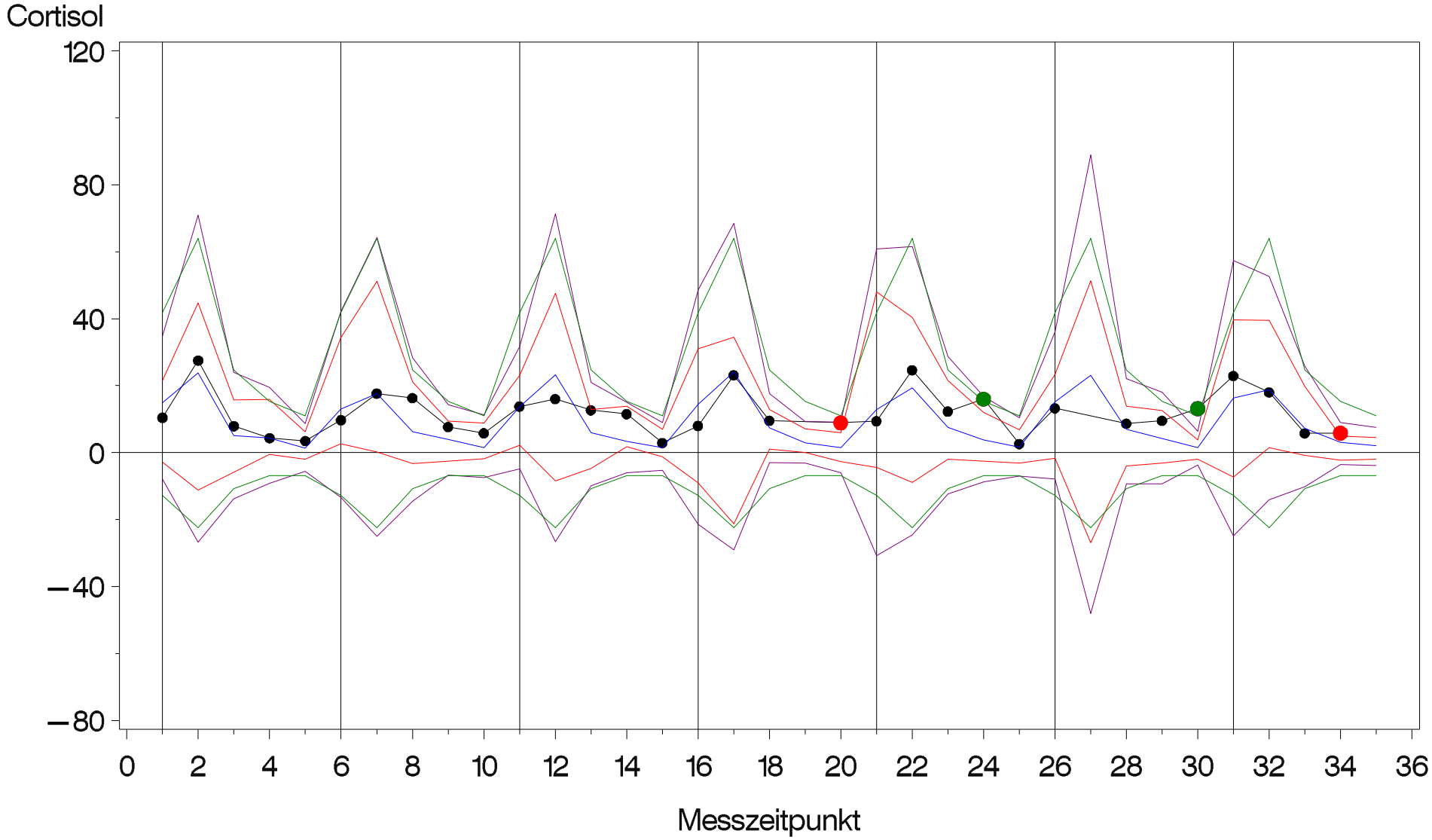
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=77



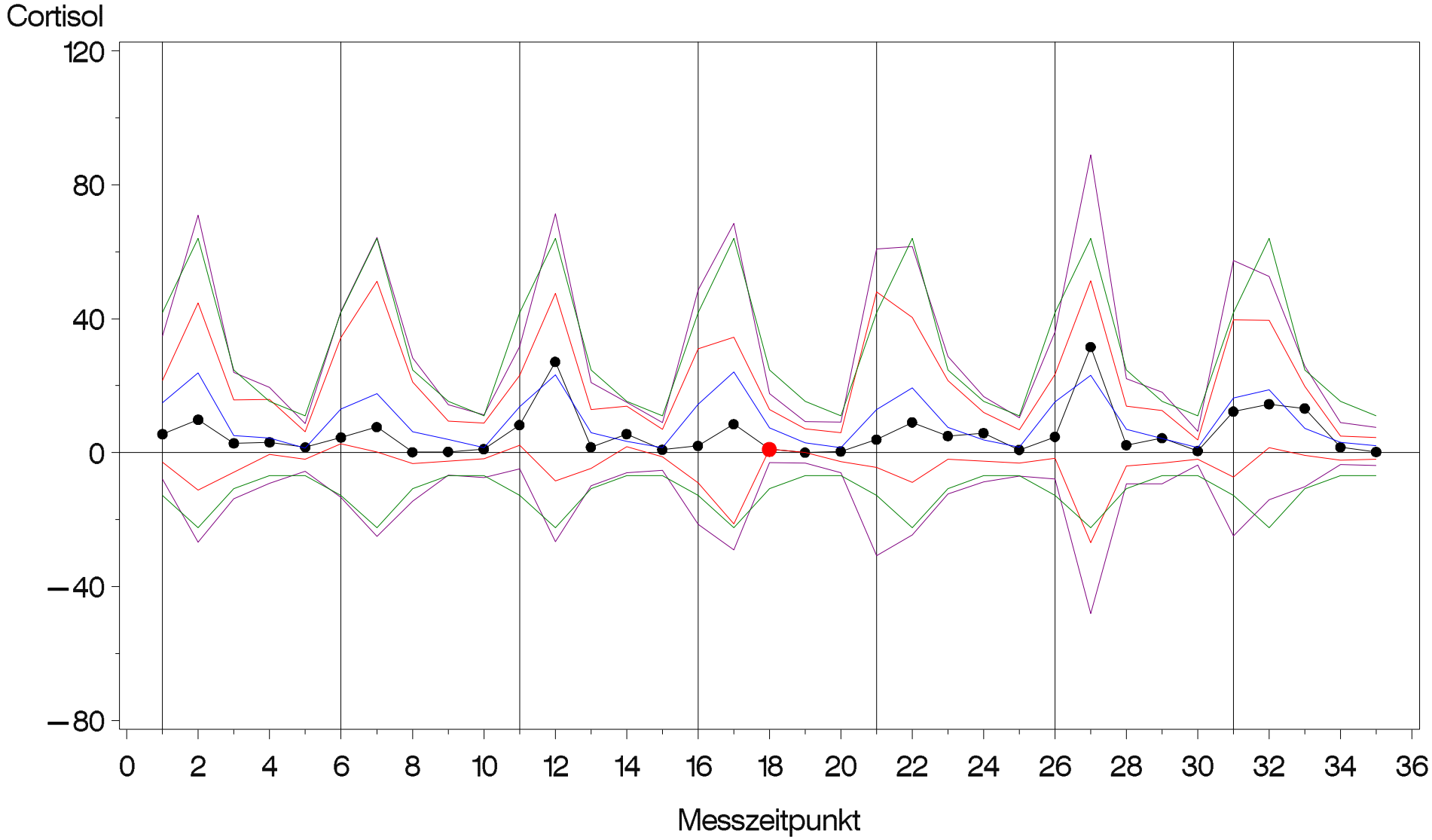
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=78



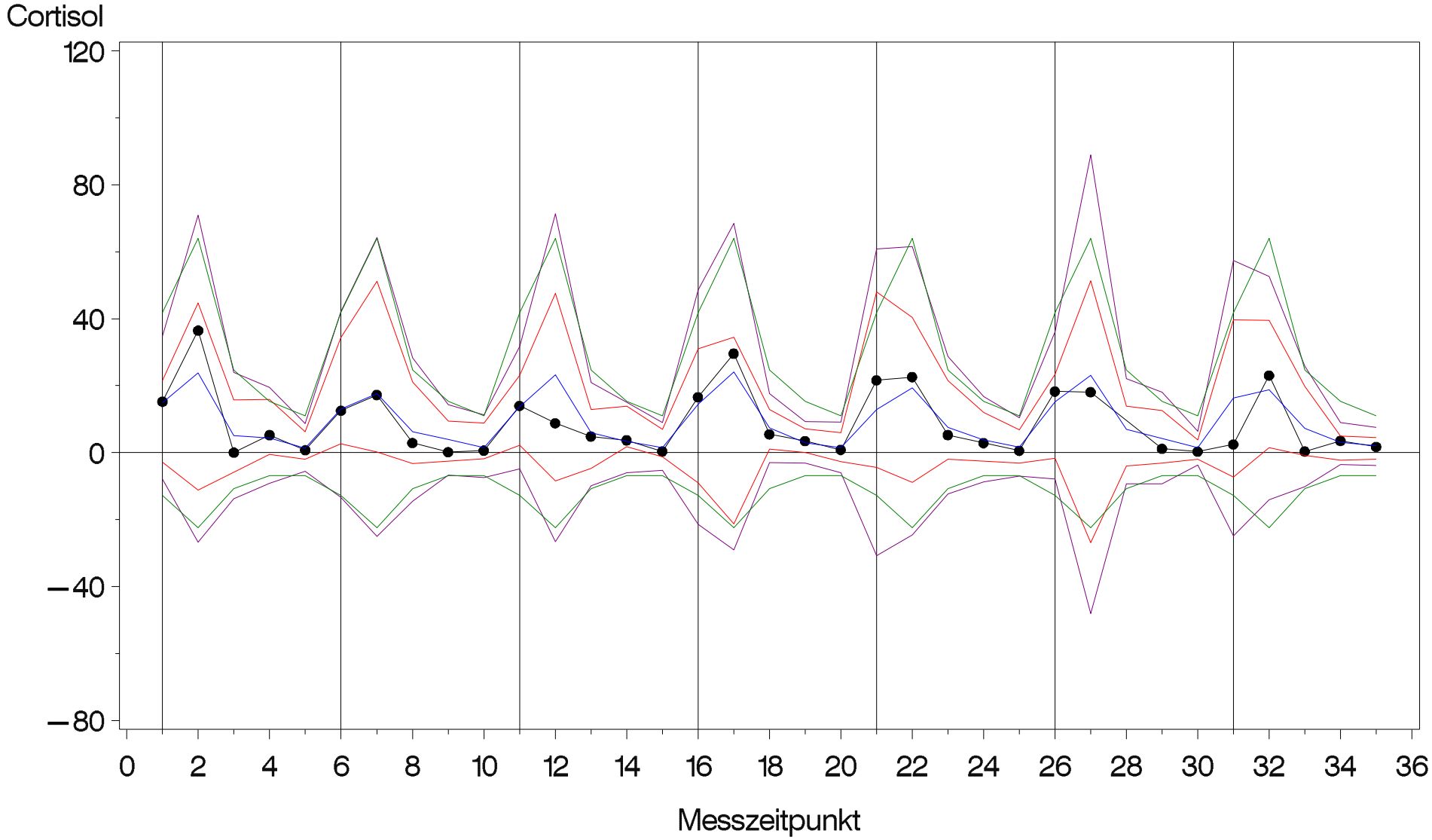
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=79



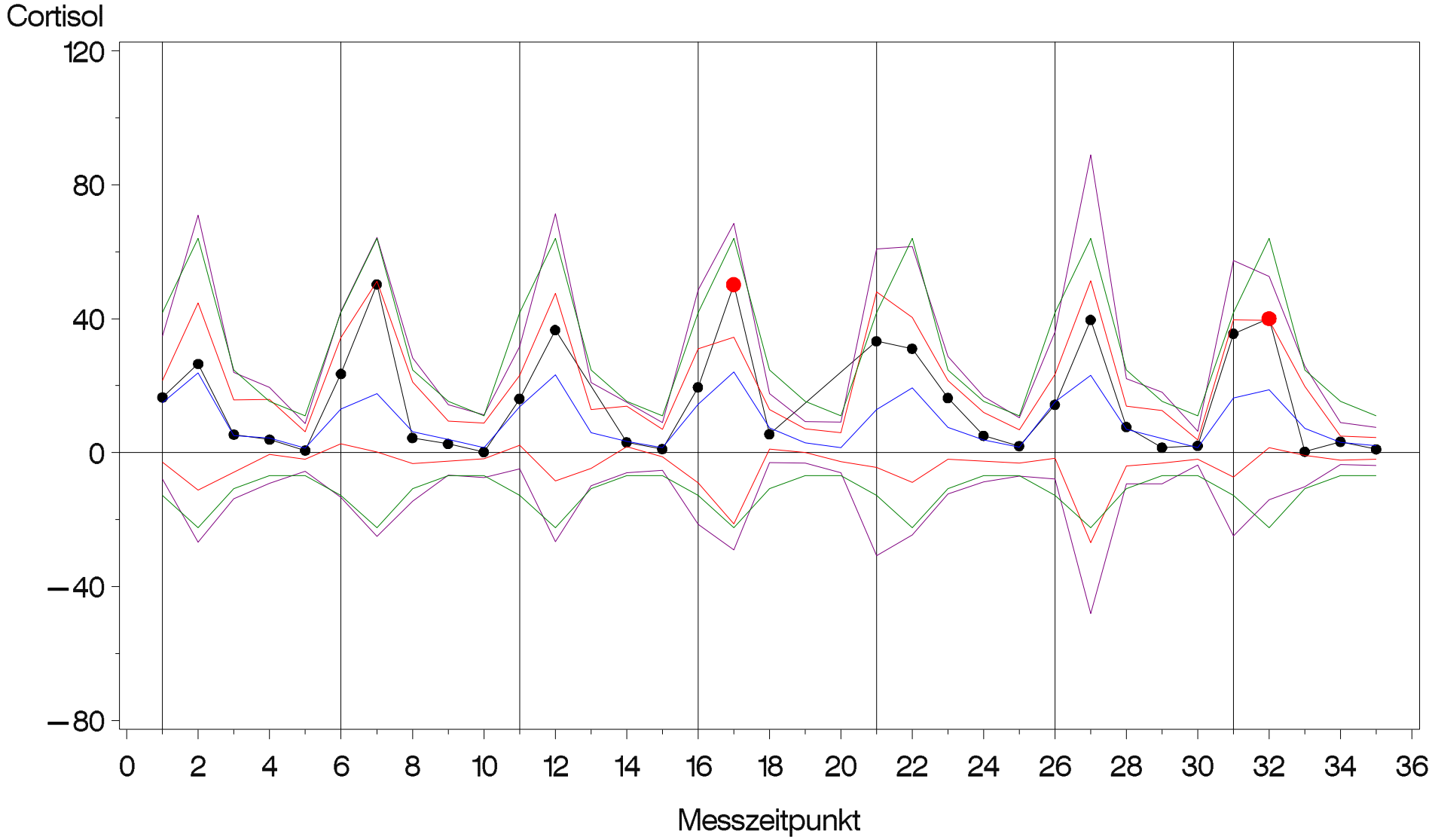
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1–99]=81



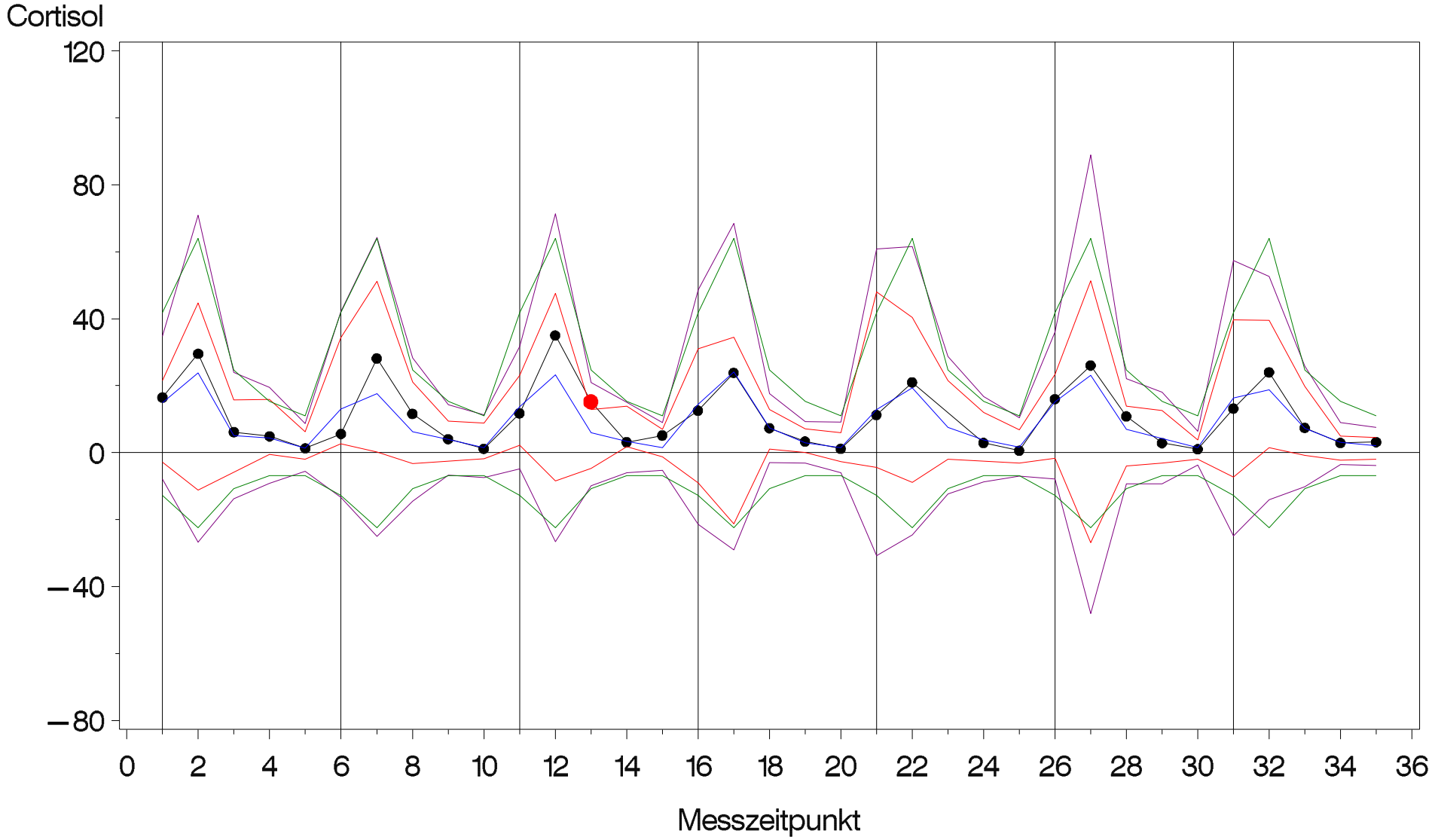
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=84



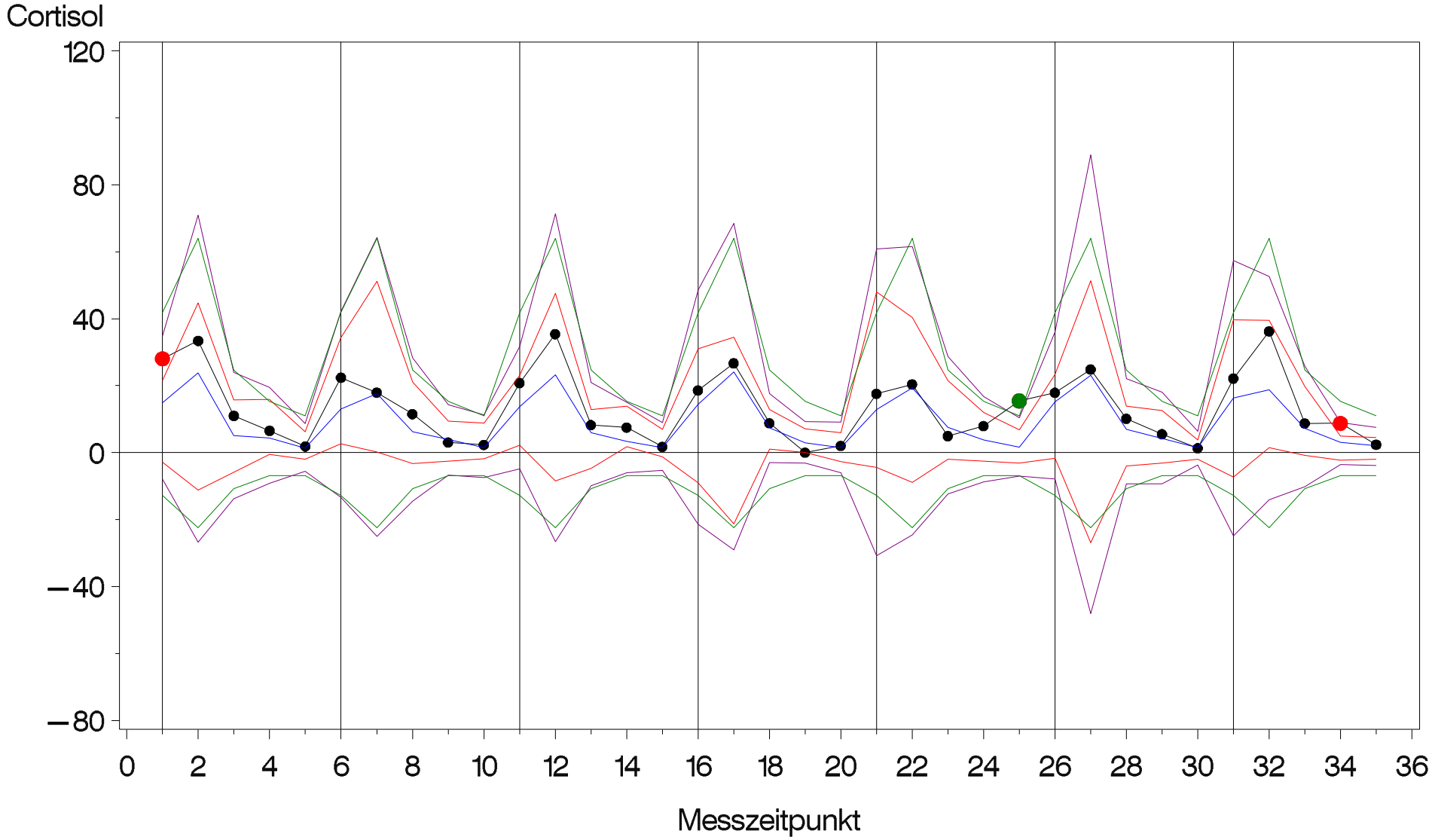
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=90



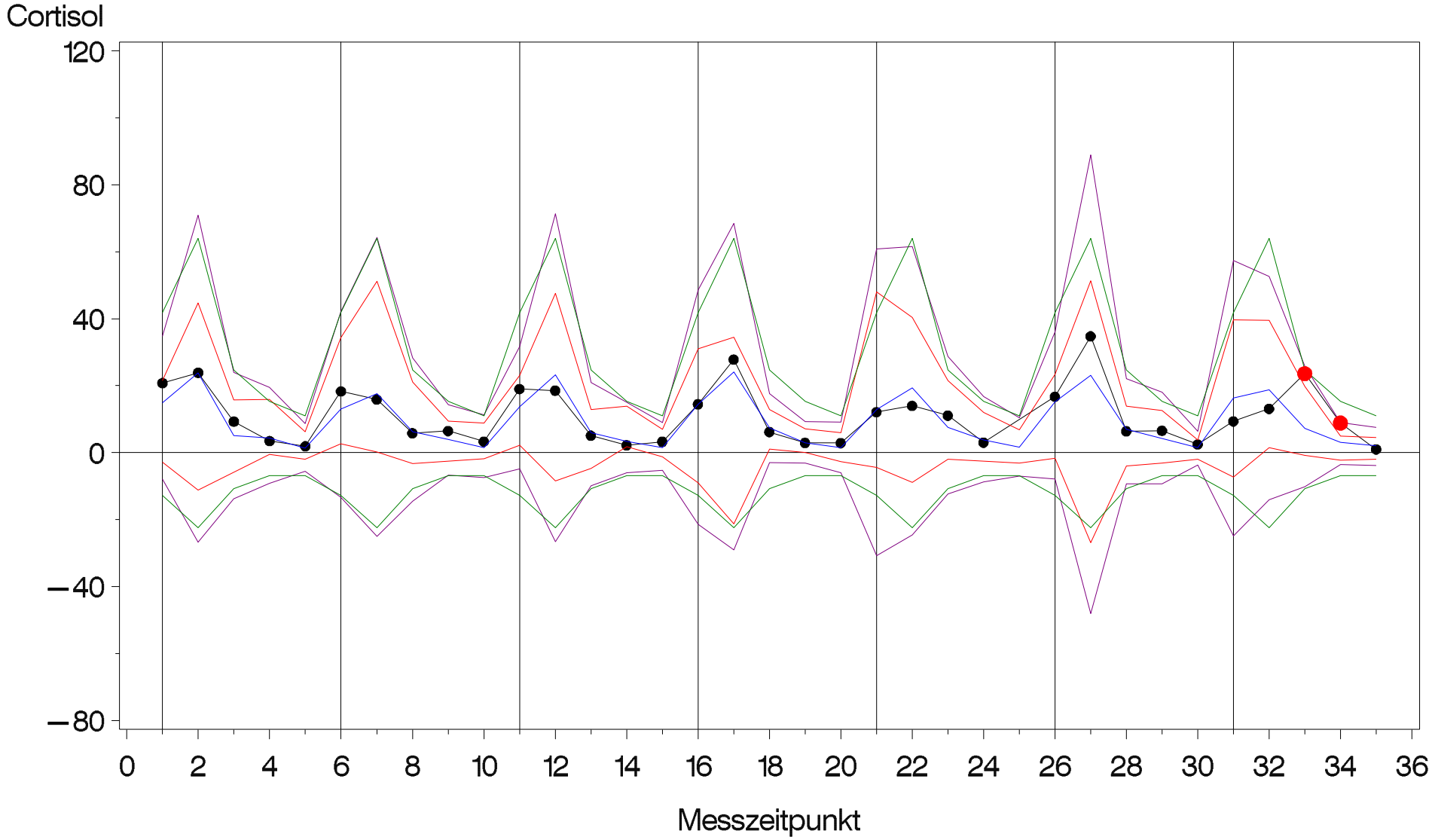
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=96



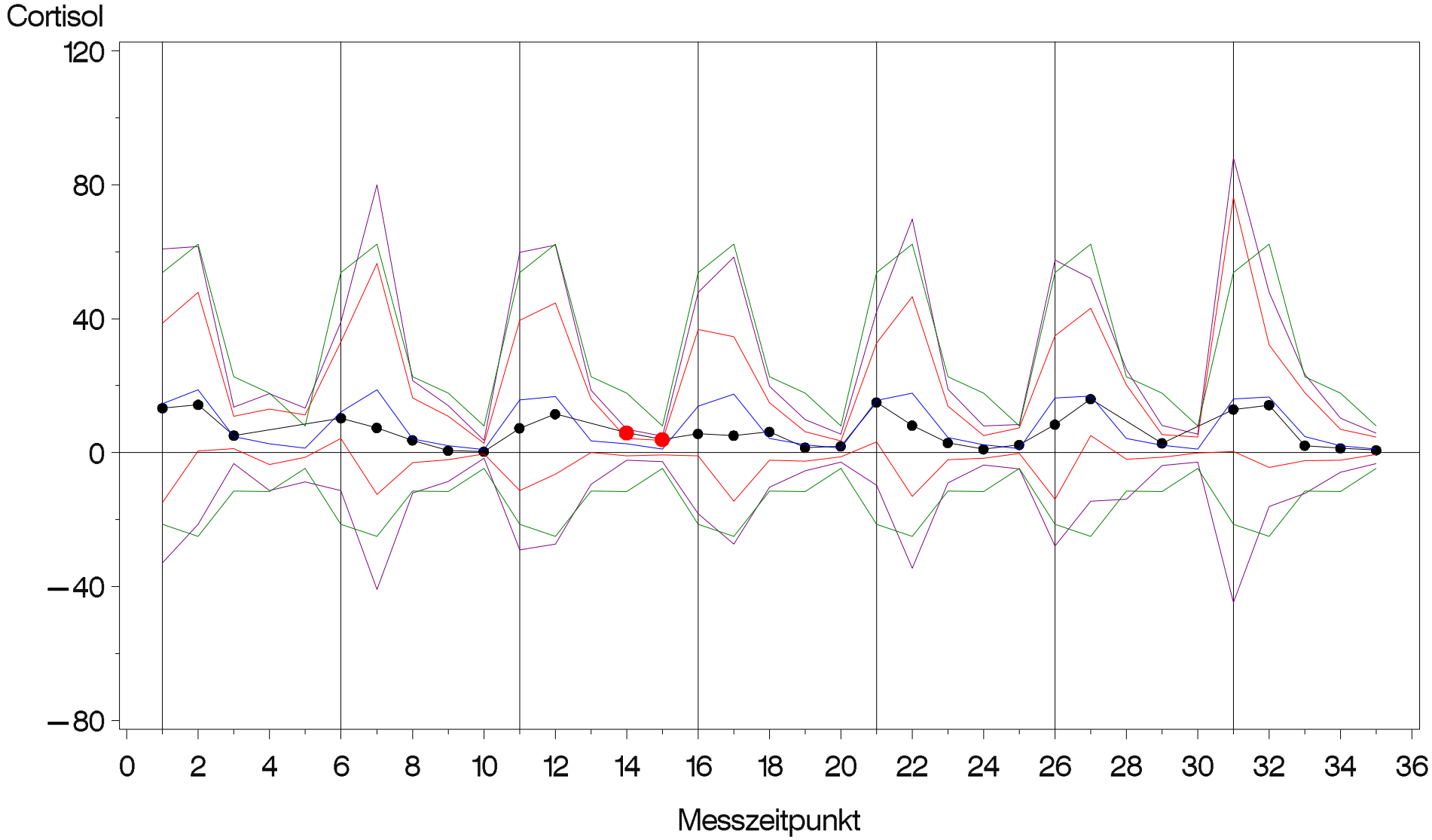
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=KON VPN [1—99]=97



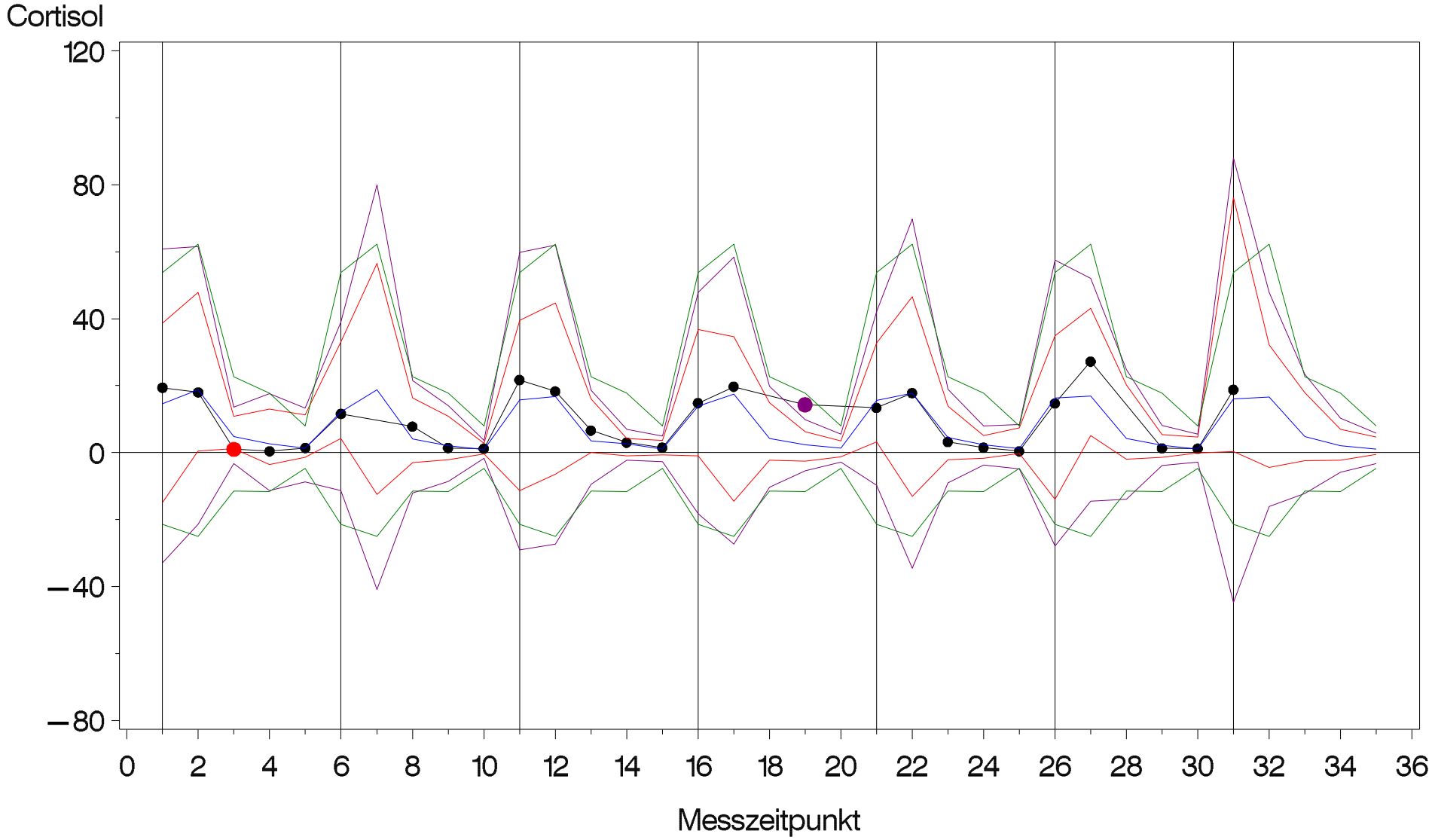
Cortisol Messreihen mit Ausreissern (Outlier: rot= Tukey, purple= IQA, gruen= 4*STD/ blau median)
gruppe= KON VPN [1–99] = 100



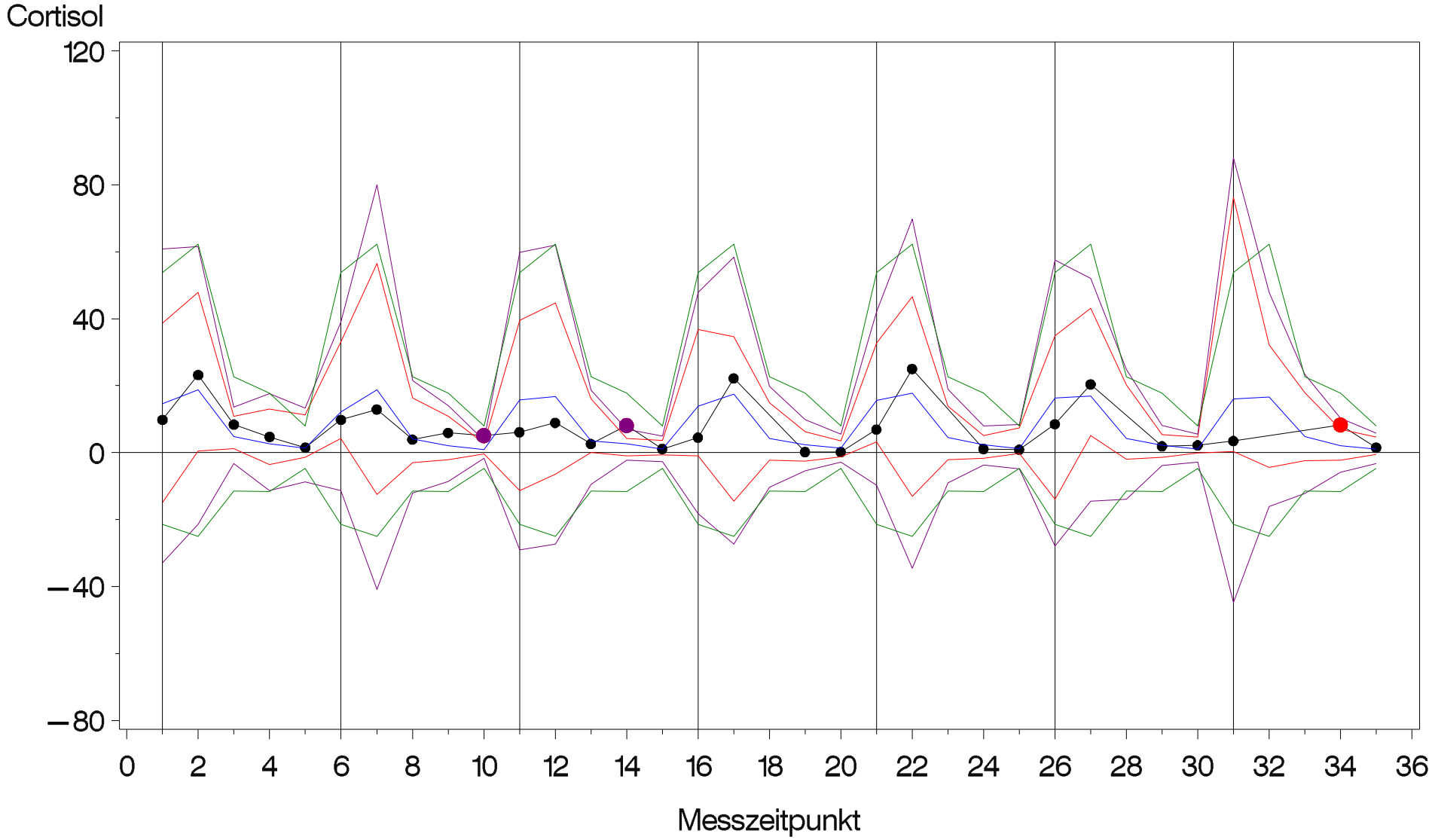
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=6



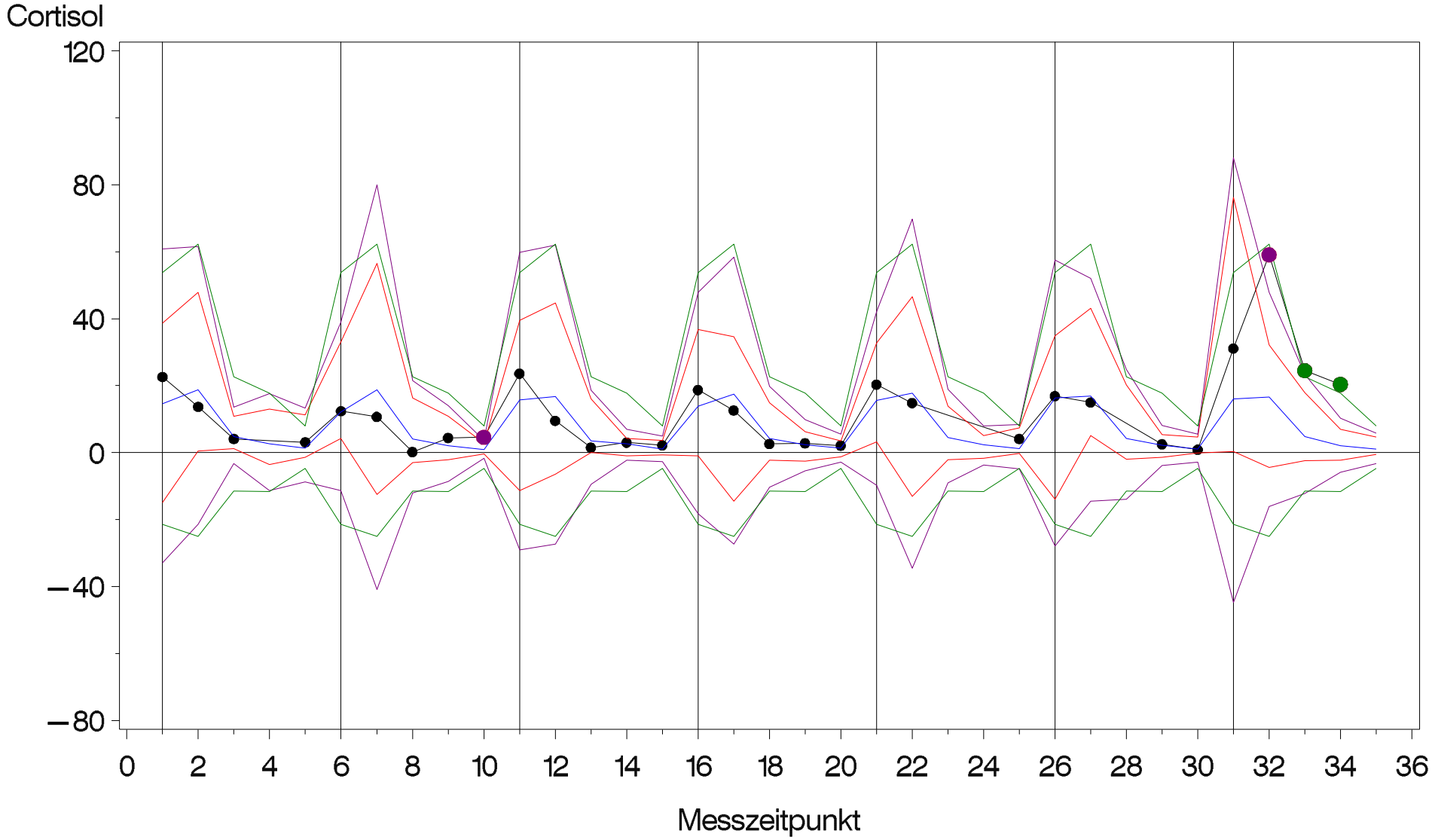
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=7



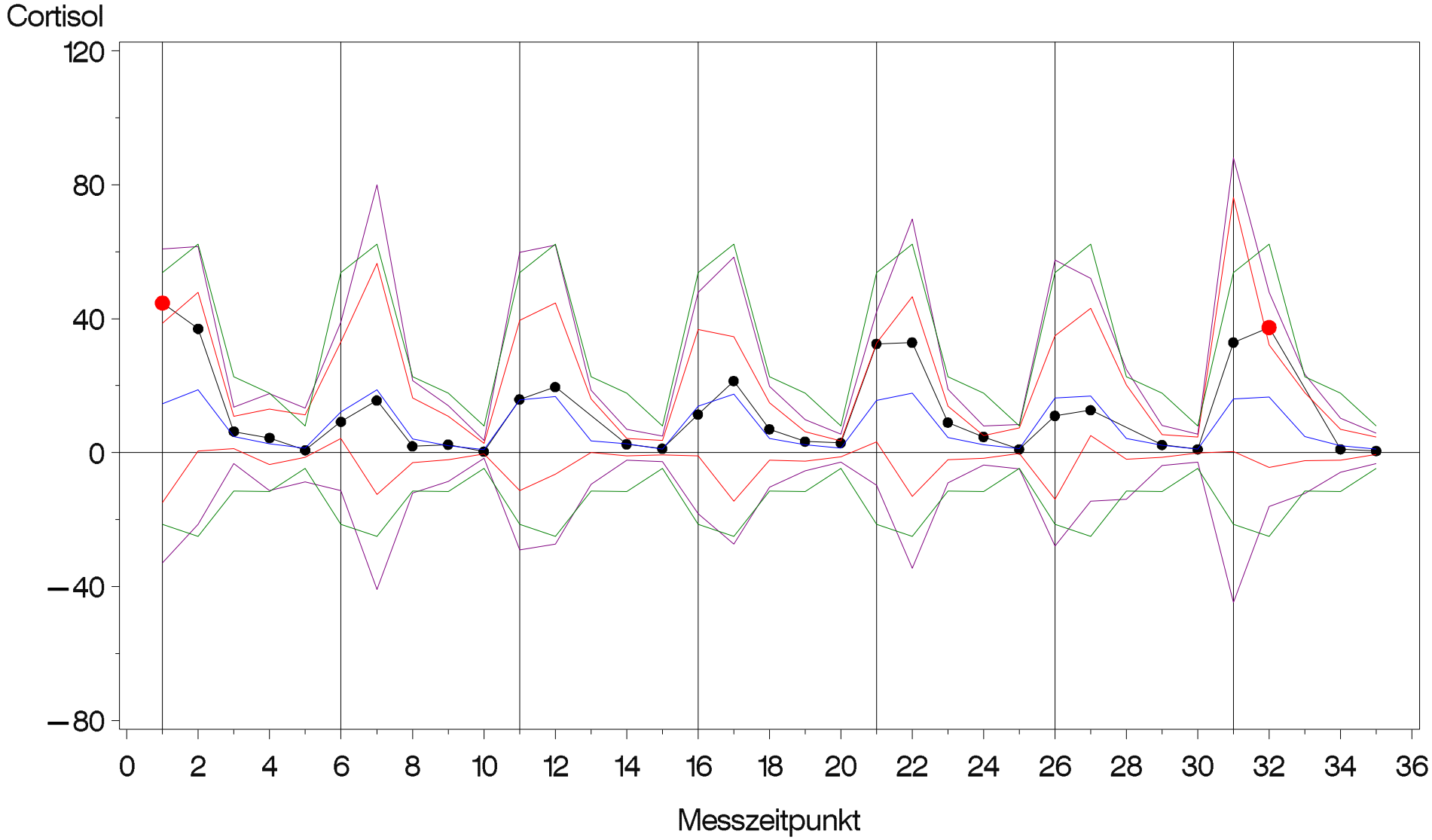
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=8



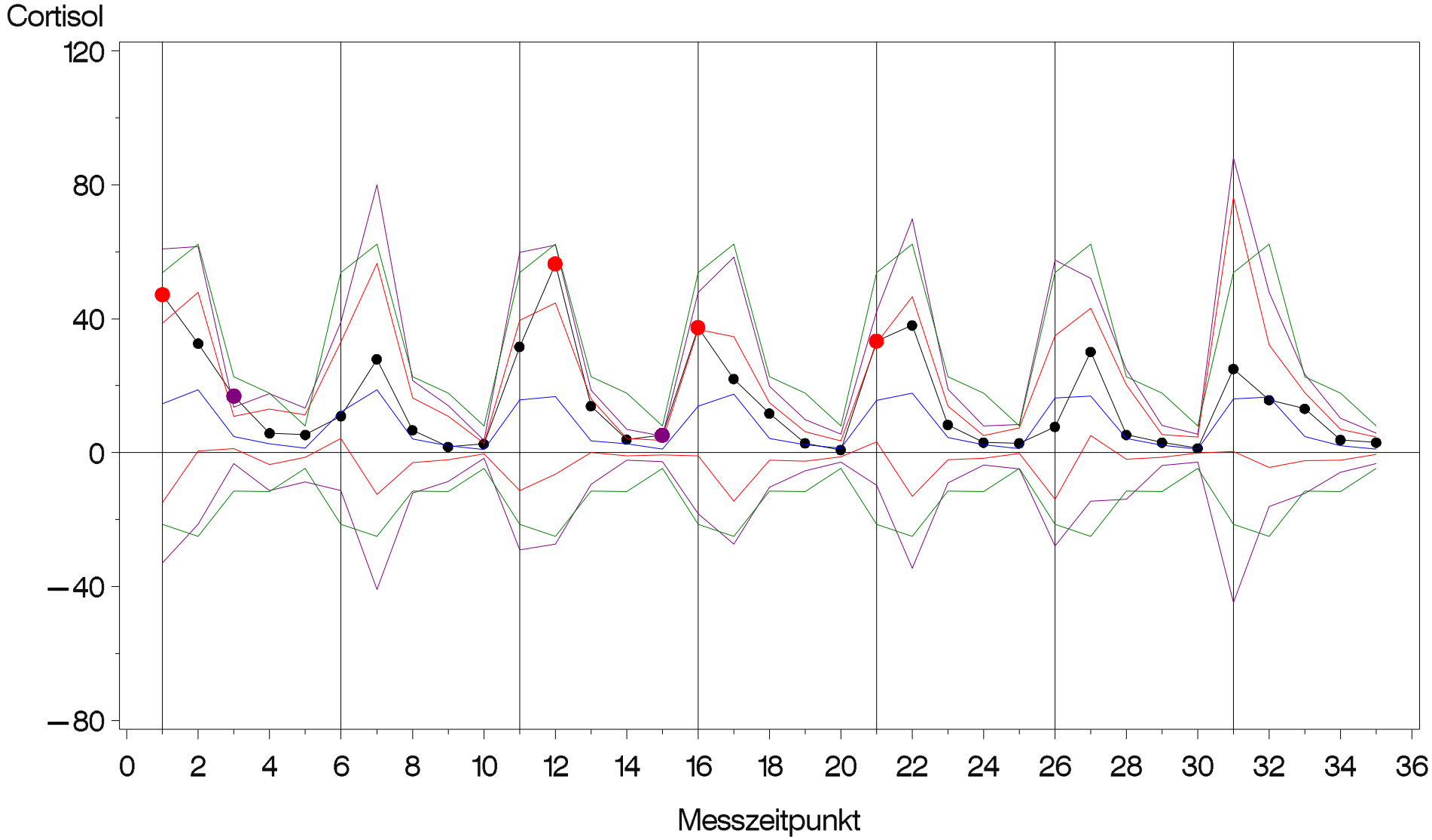
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe= URS VPN [1–99]= 11



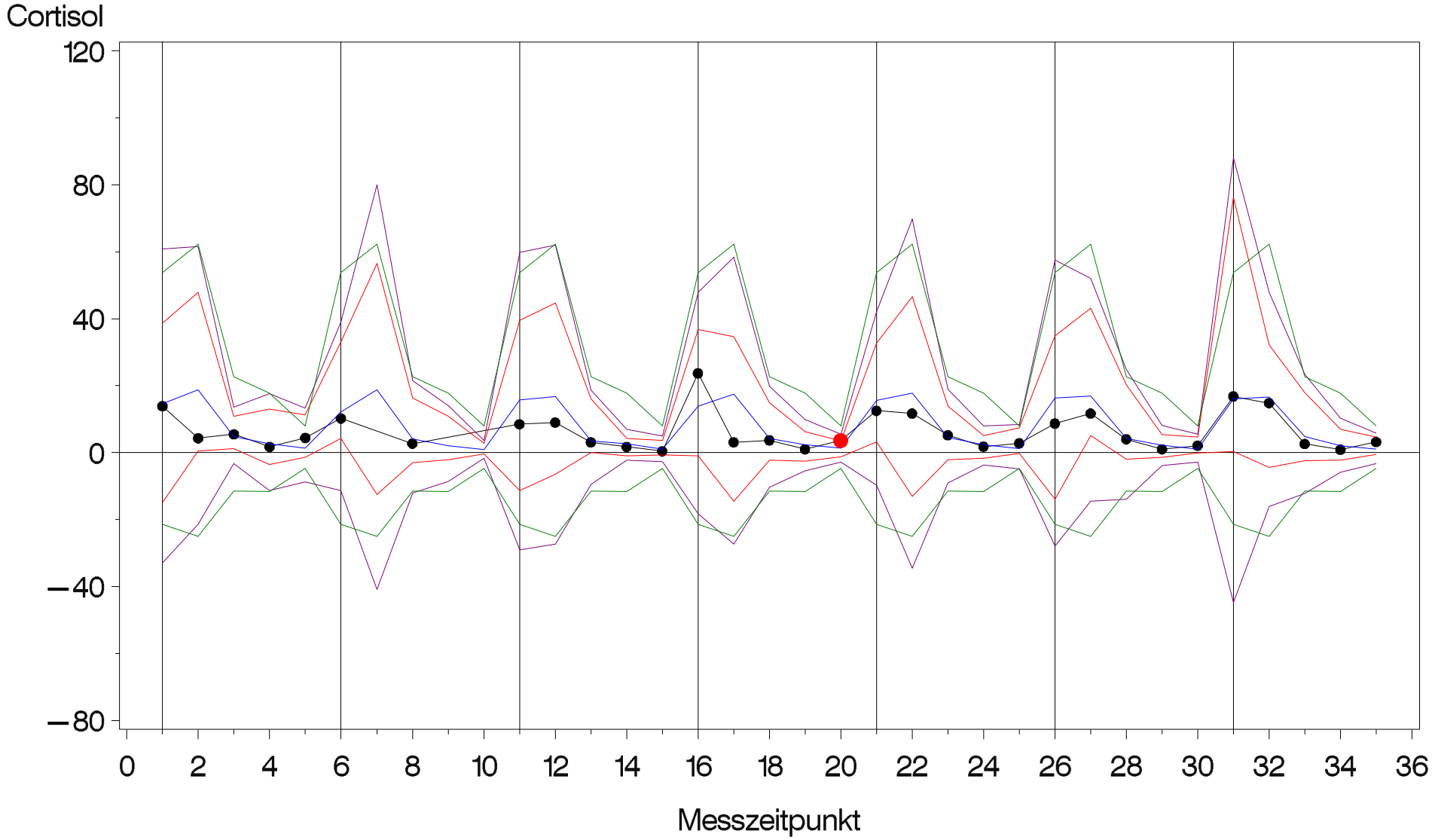
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=12



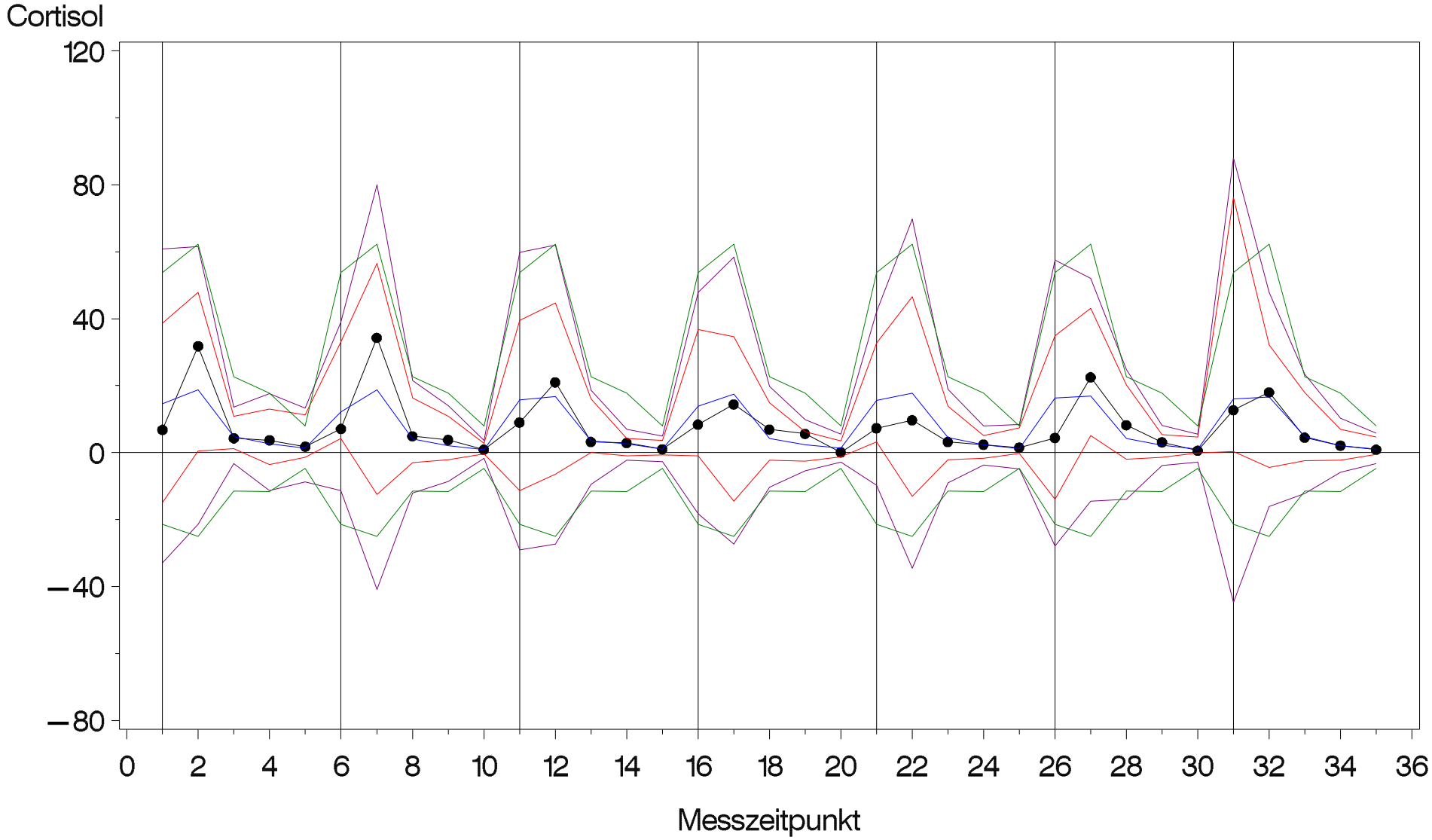
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=14



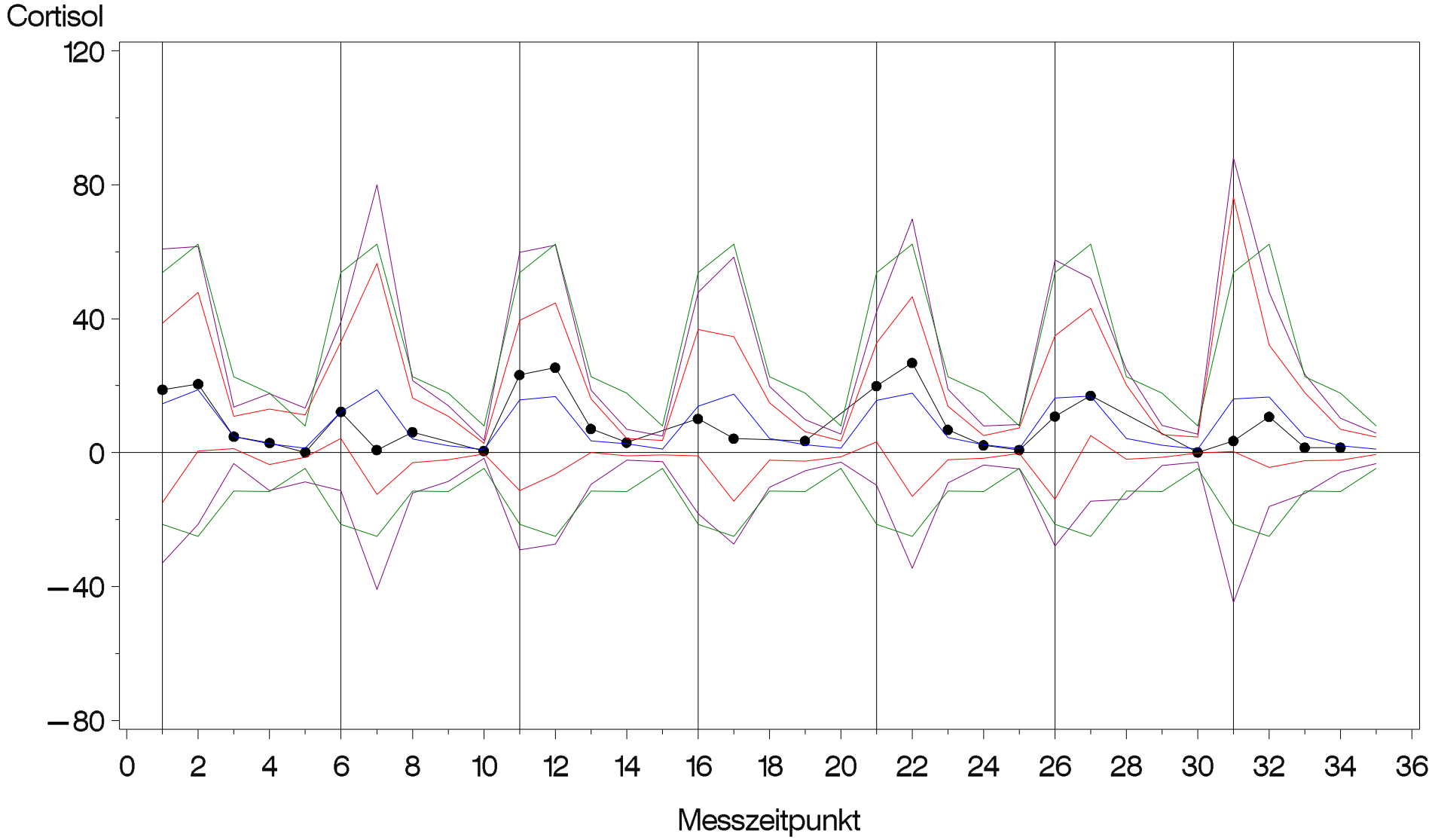
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=20



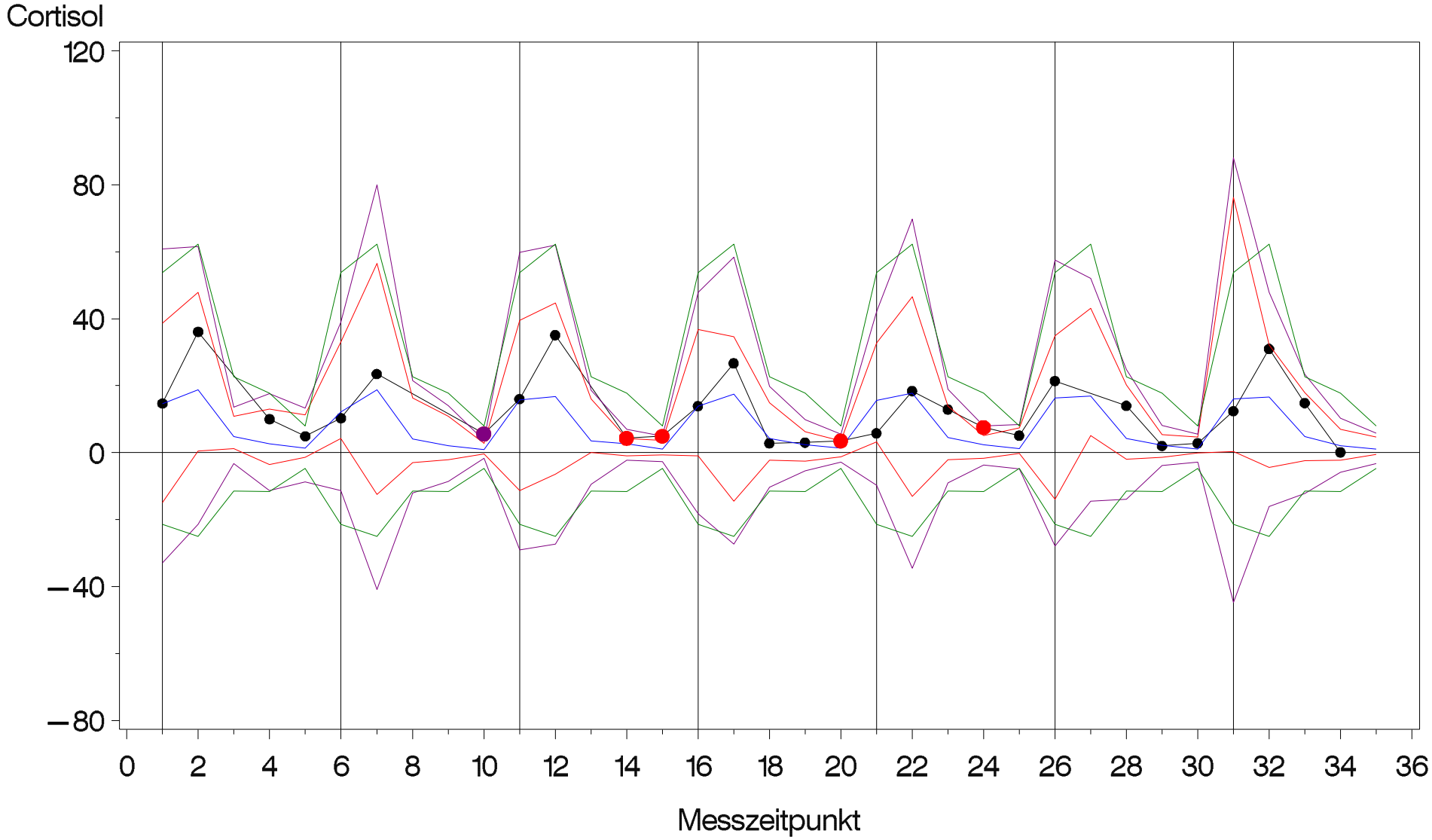
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=22



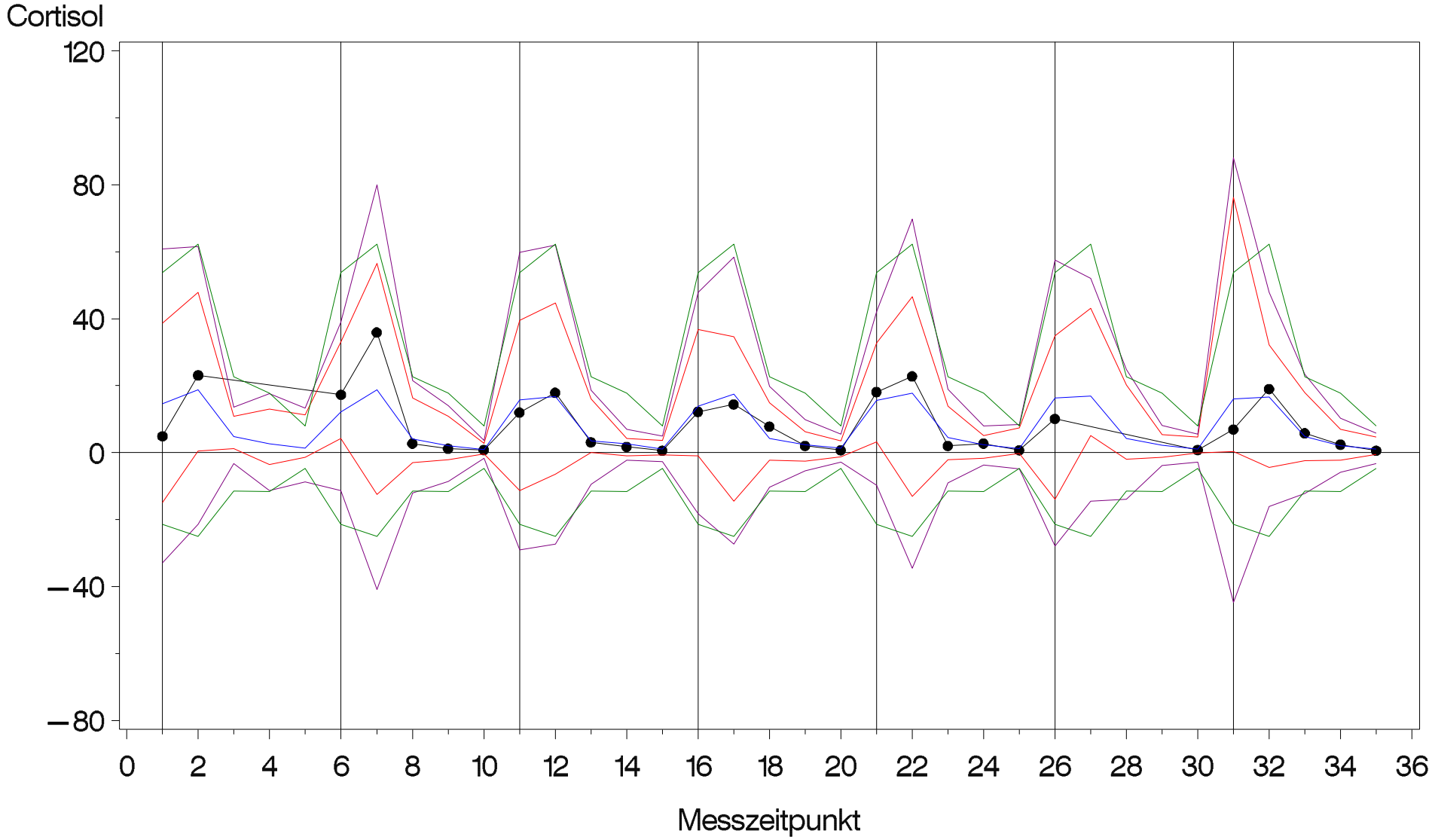
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=24



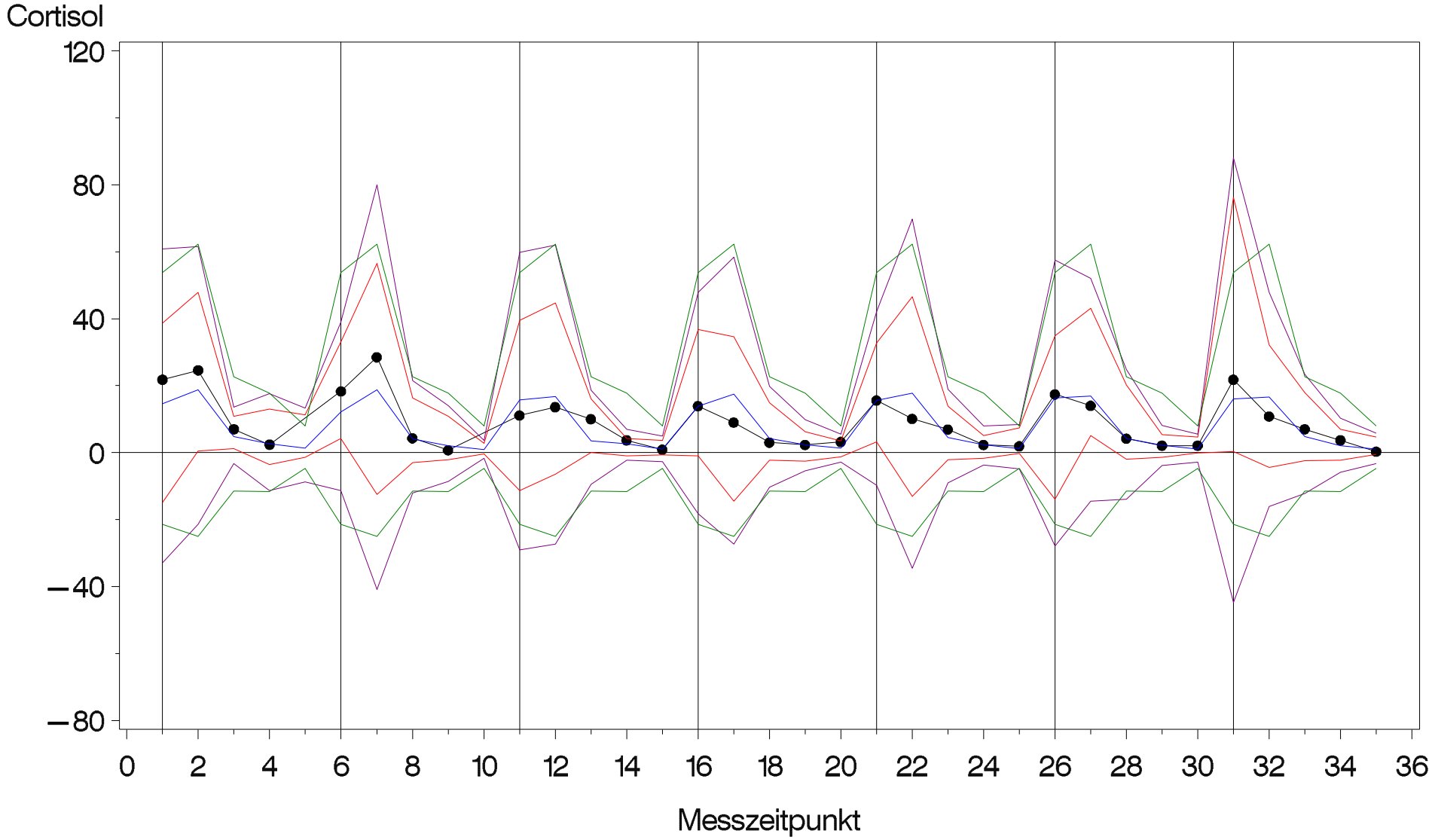
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=27



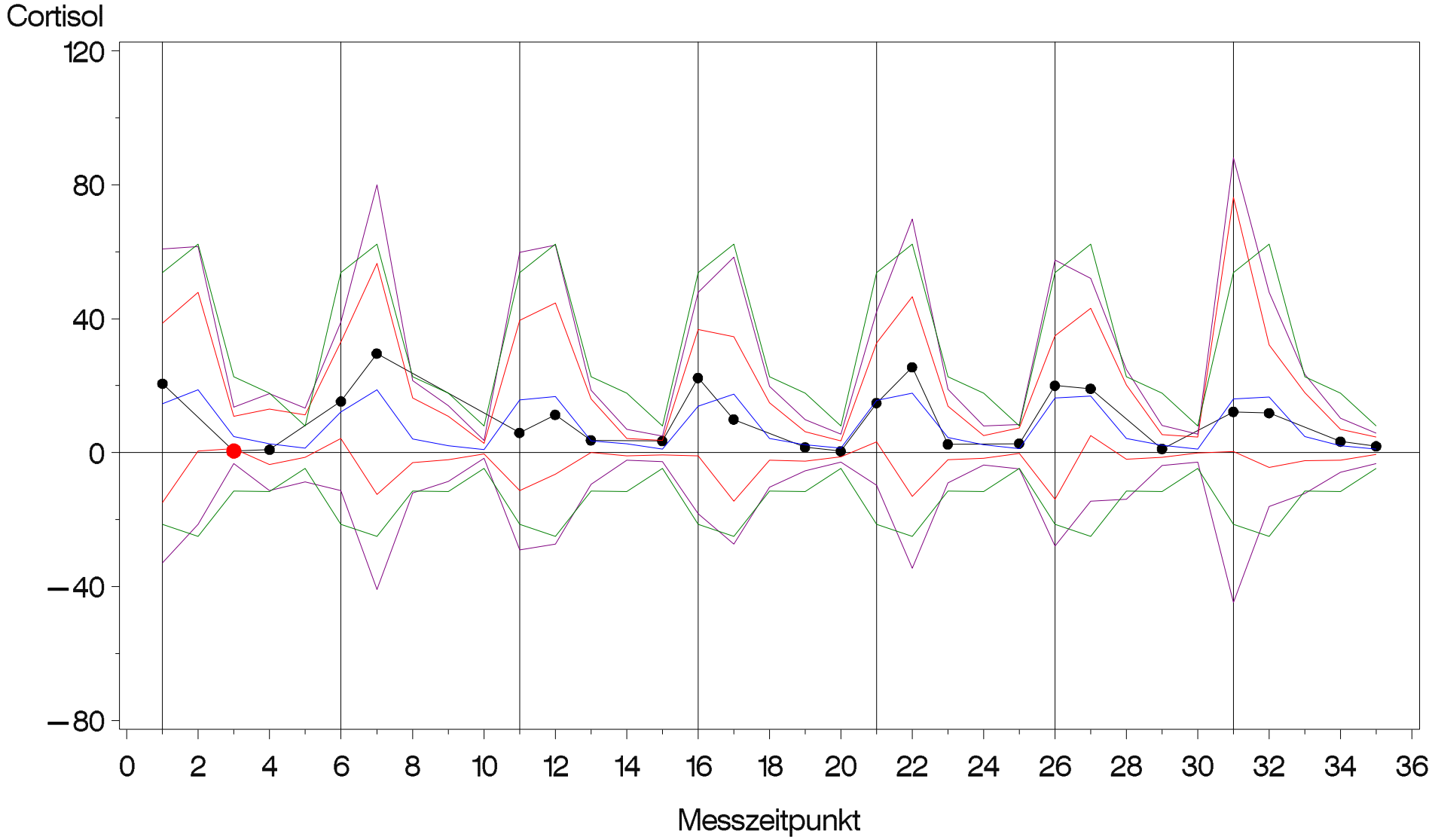
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=28



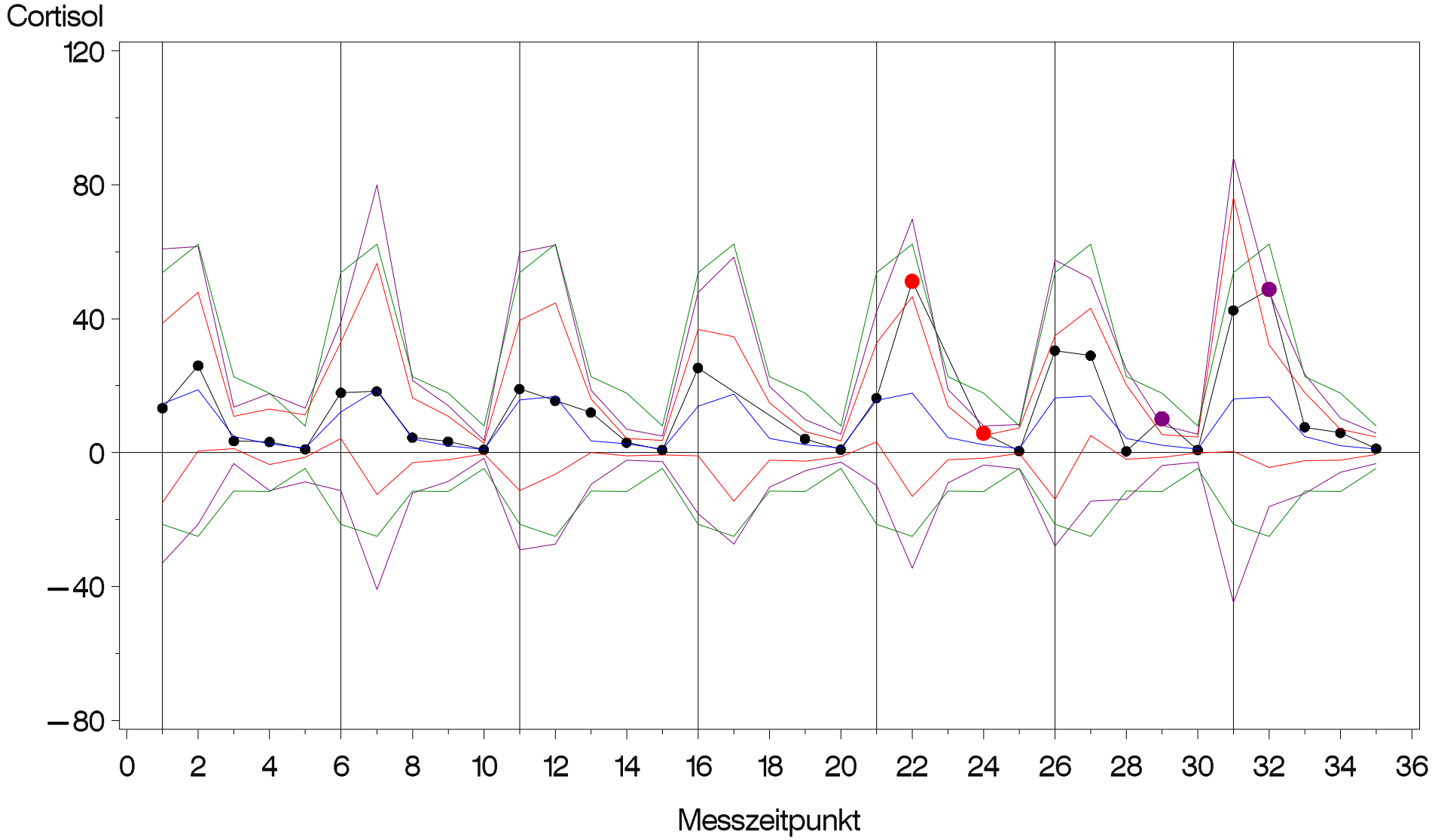
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=30



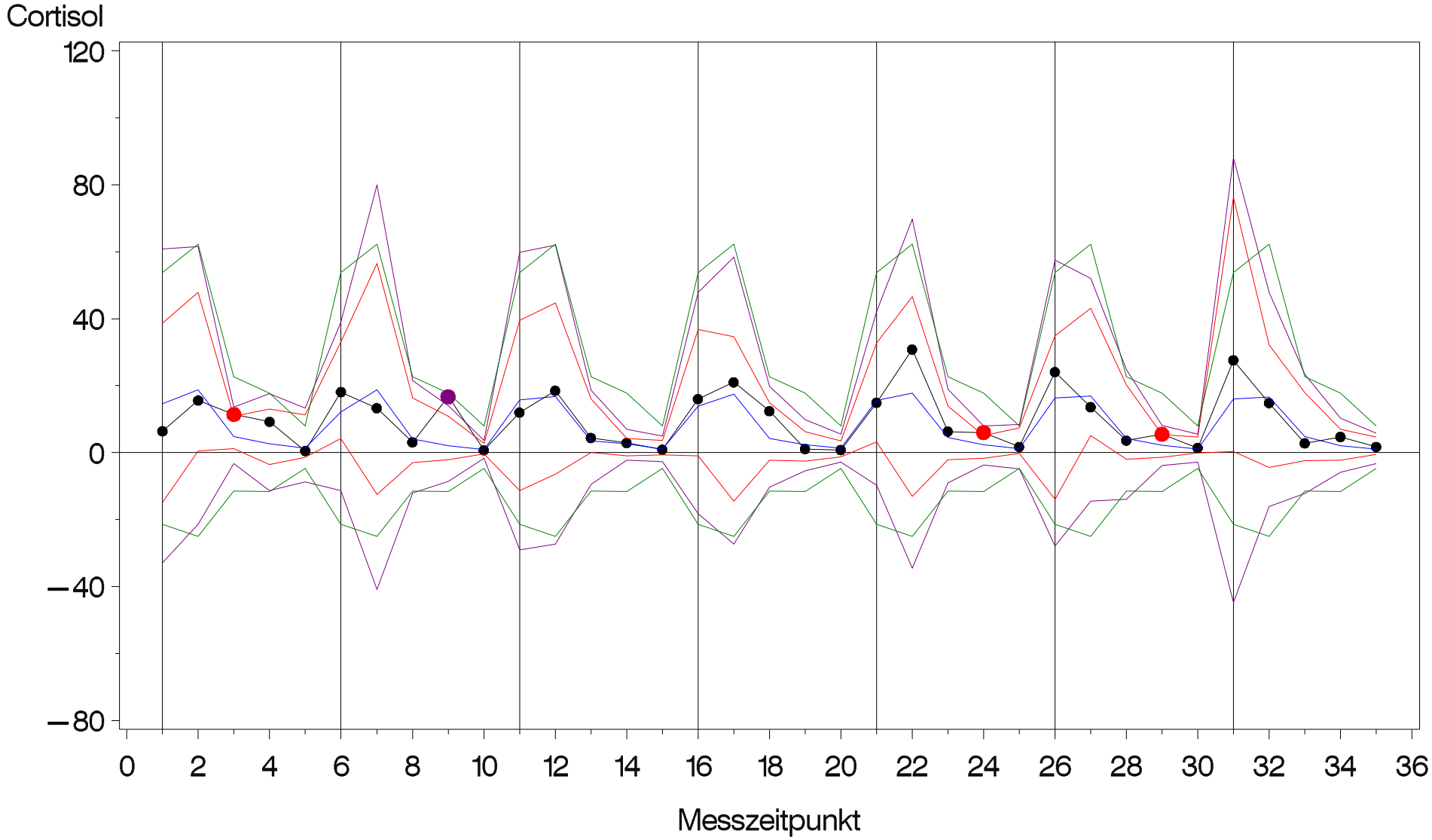
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1–99]=31



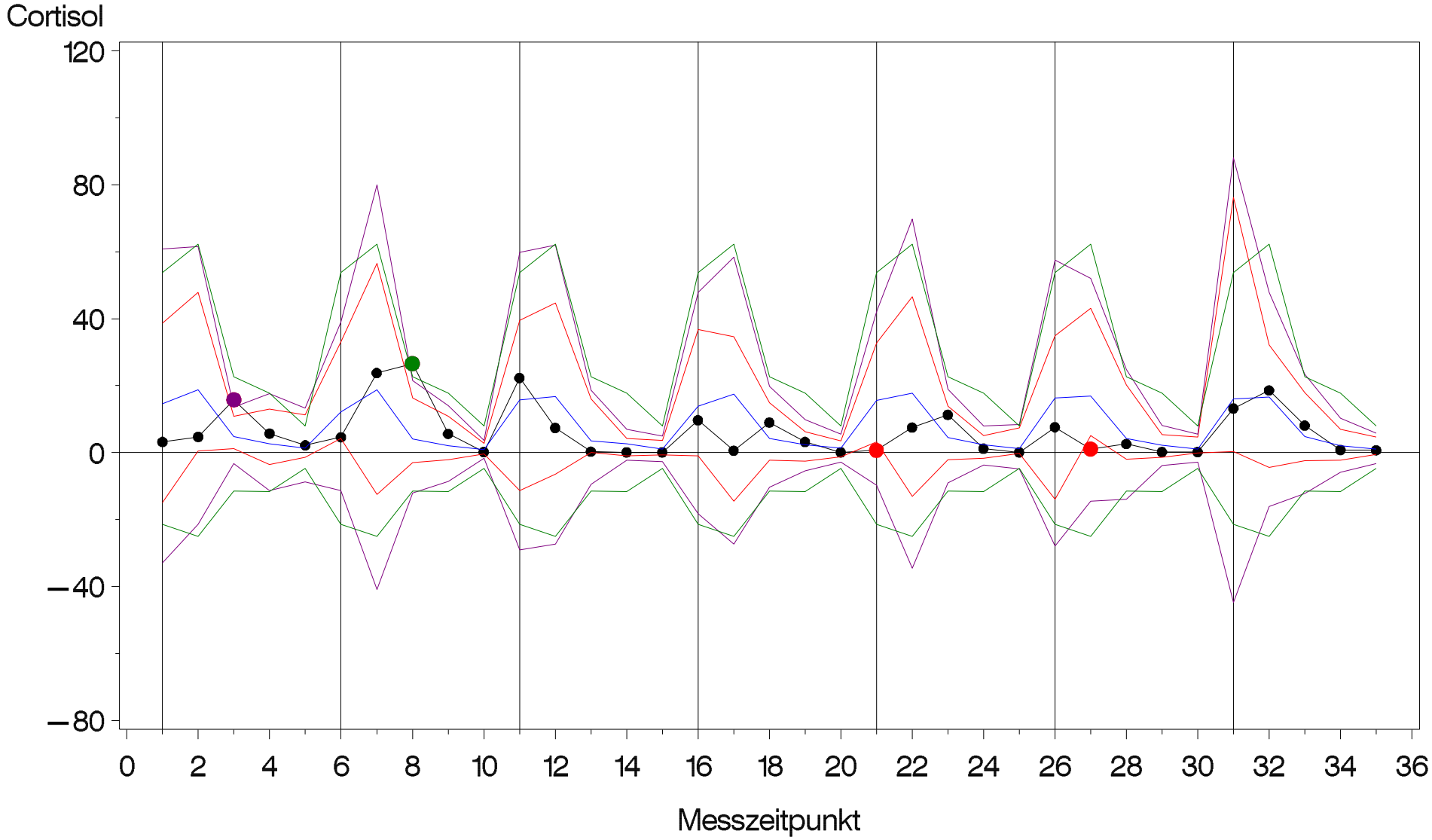
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=32



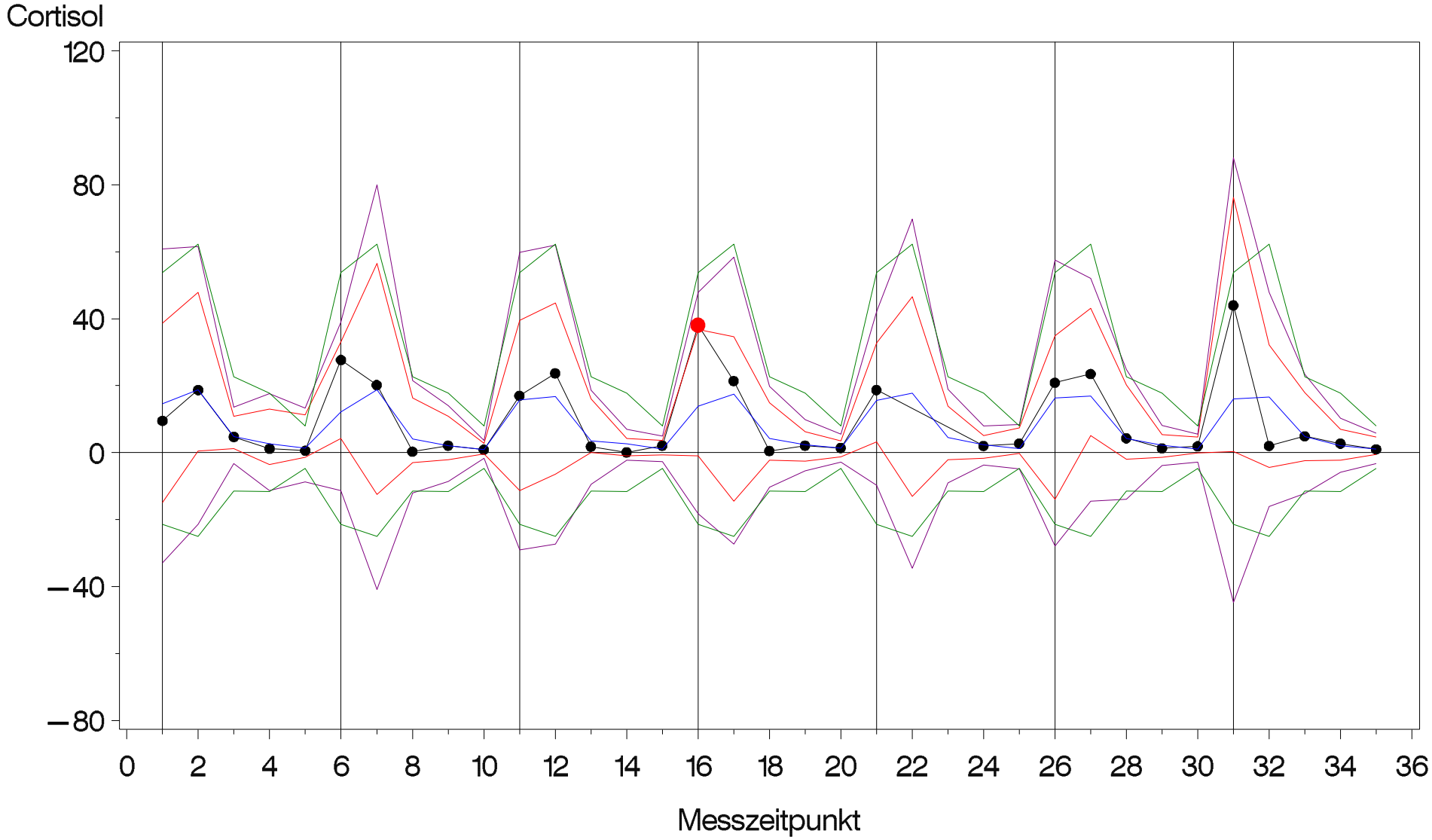
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=33



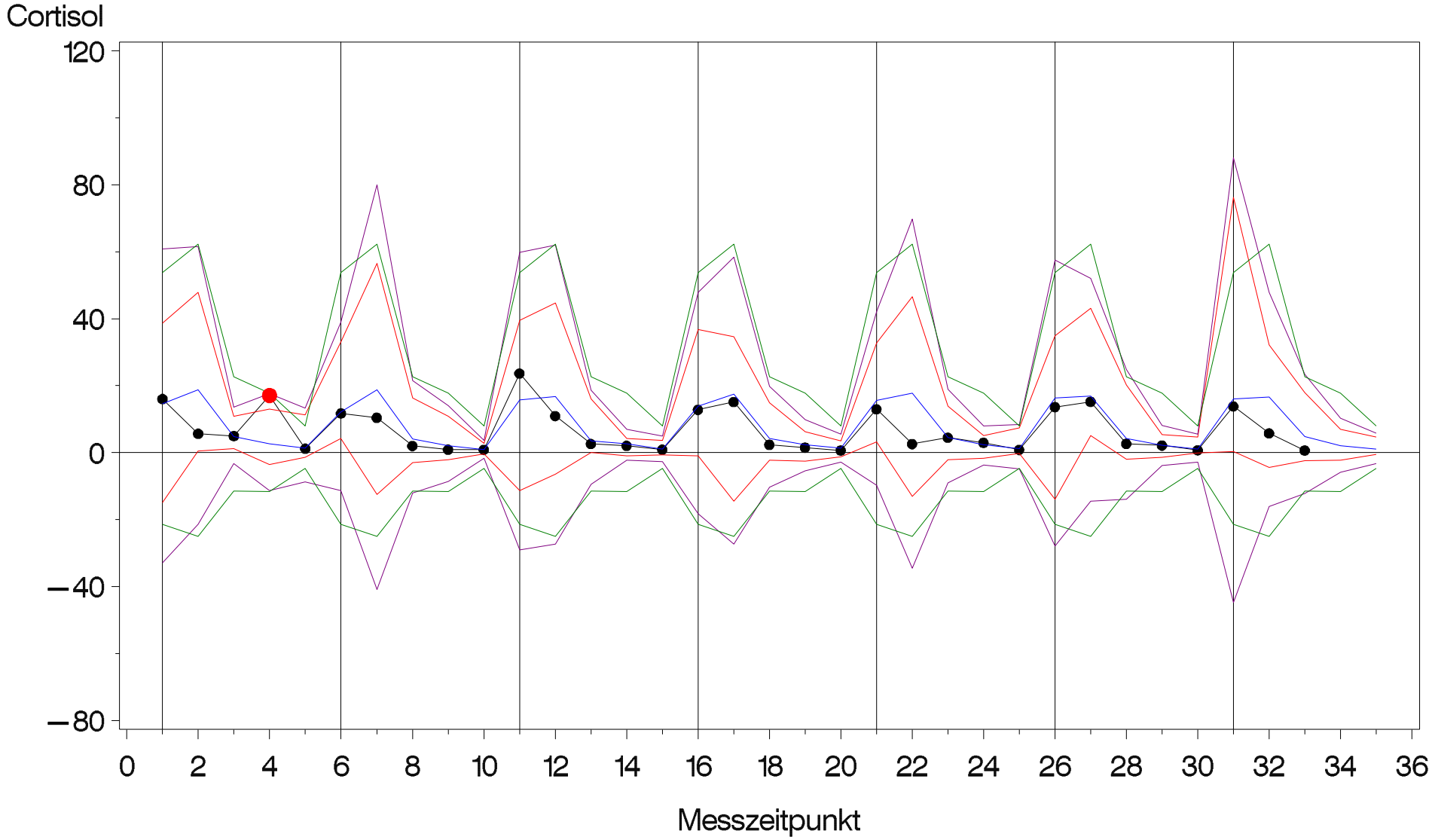
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=34



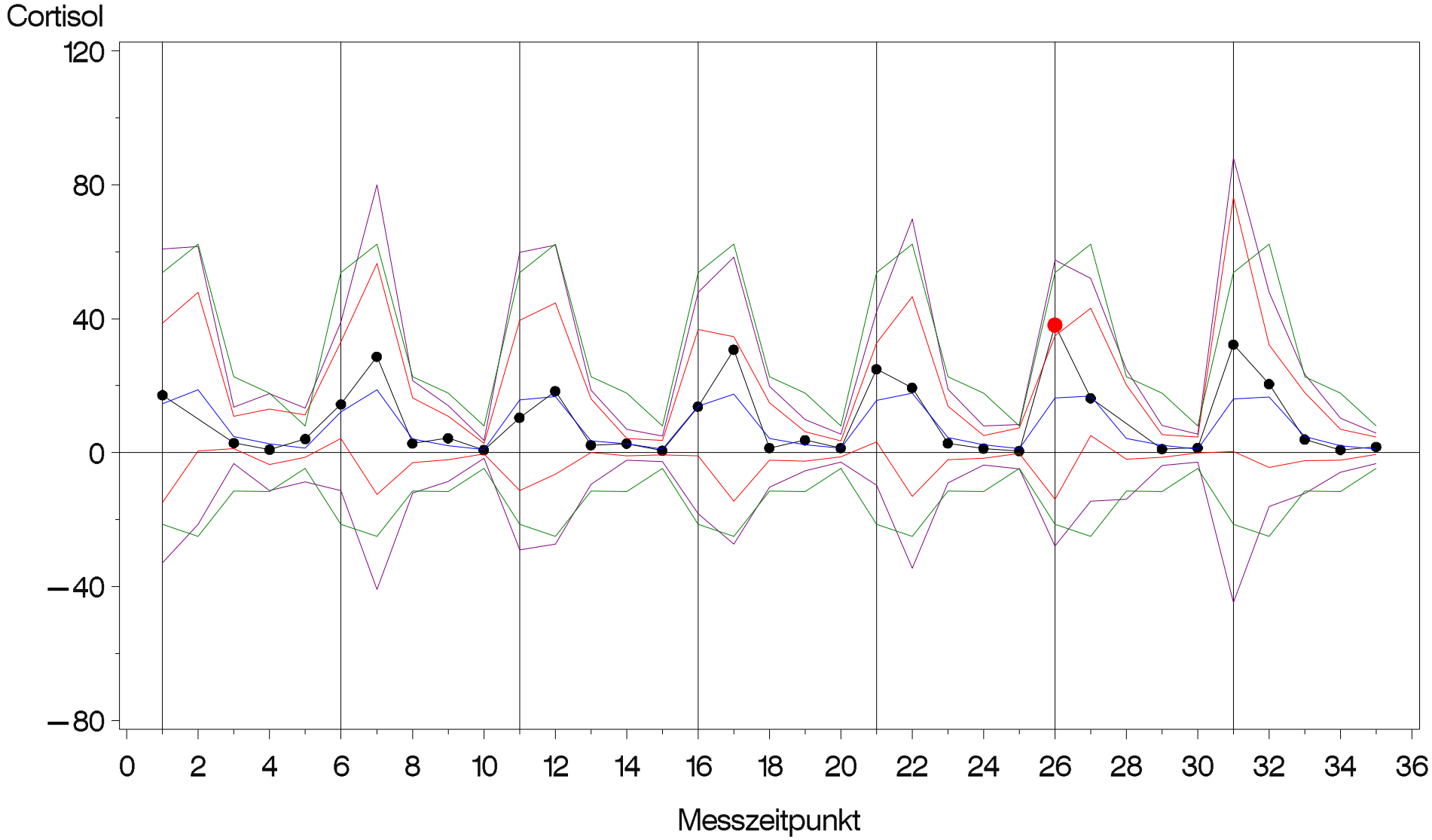
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=35



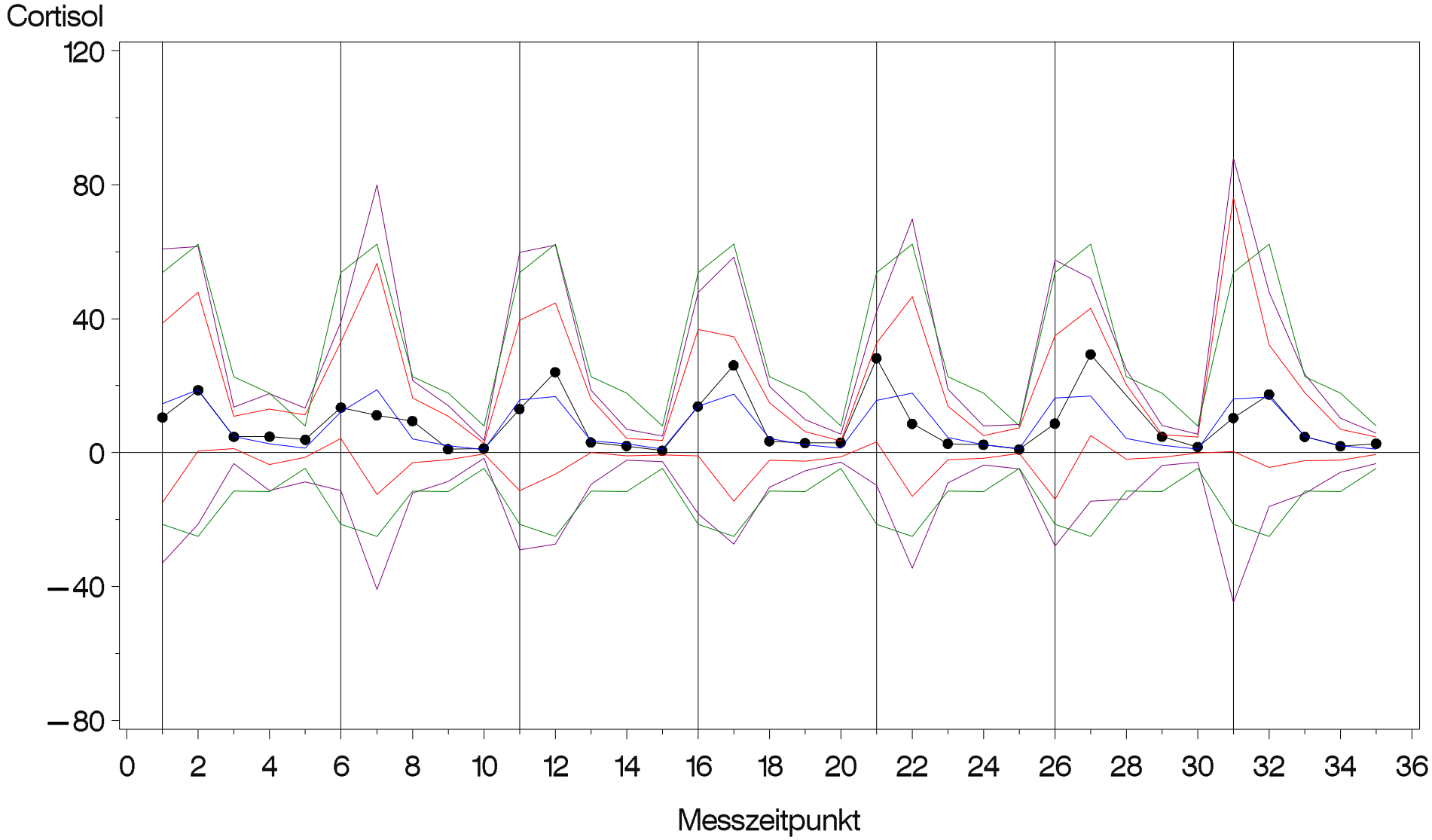
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=37



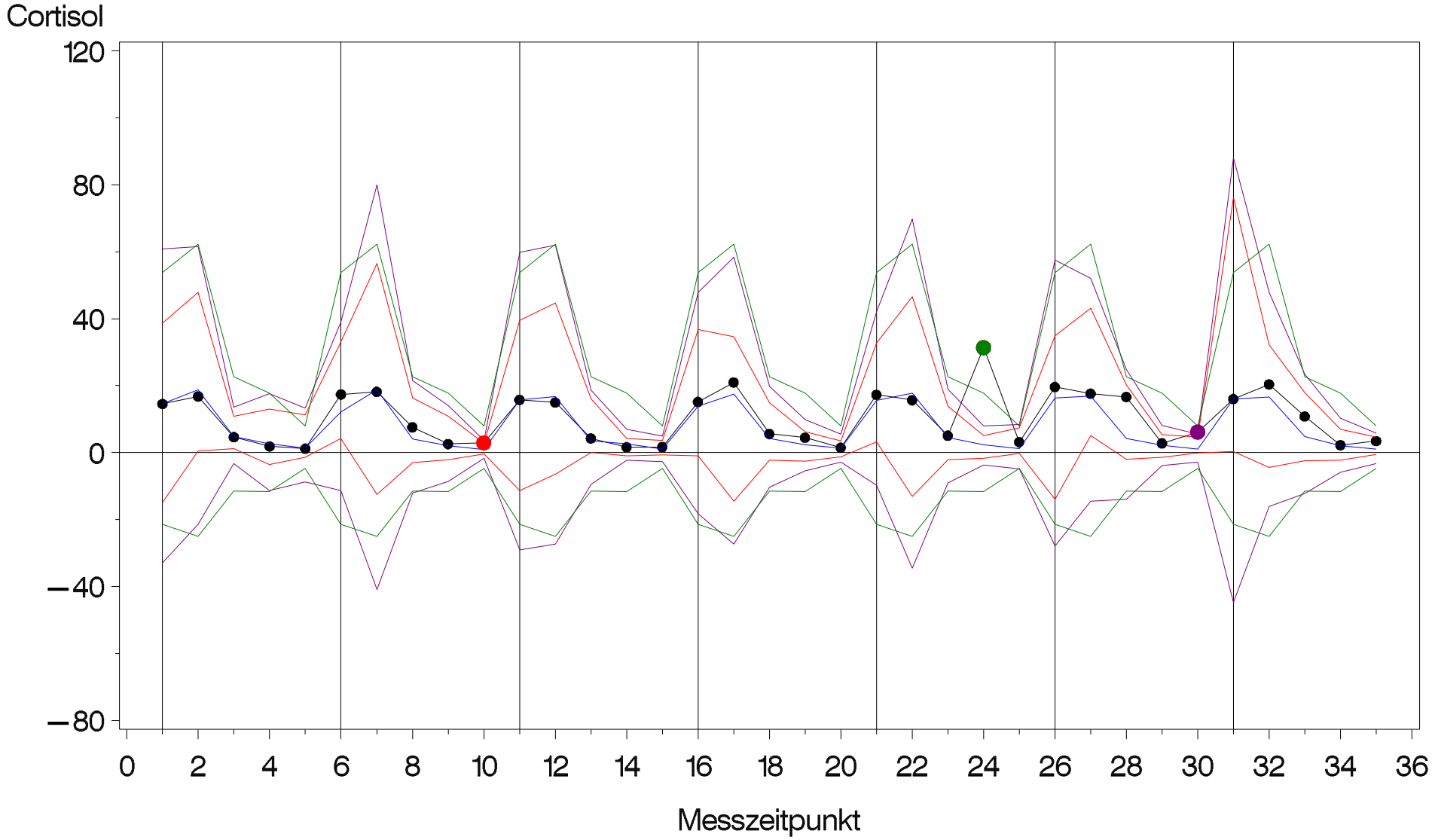
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=38



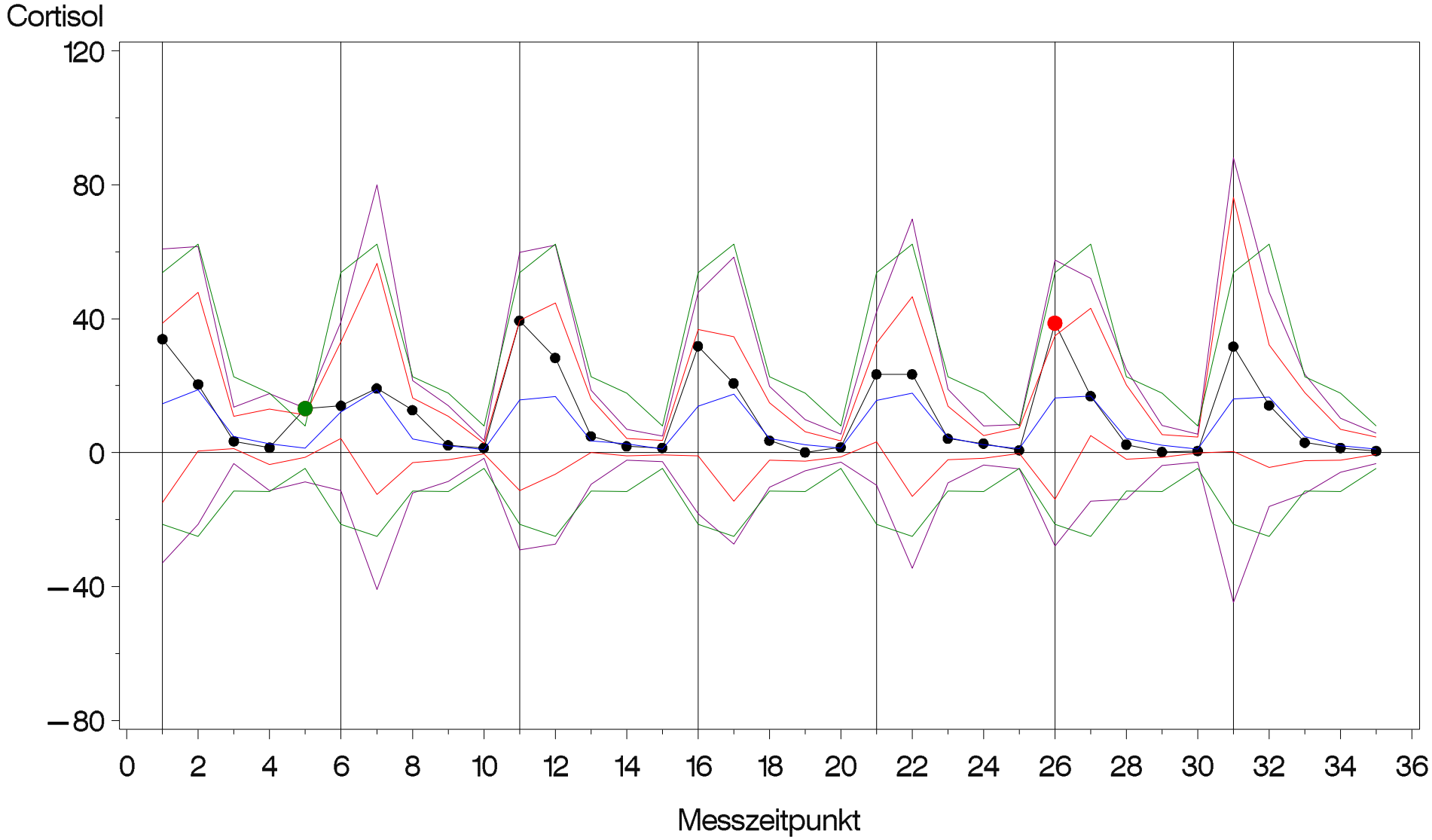
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=39



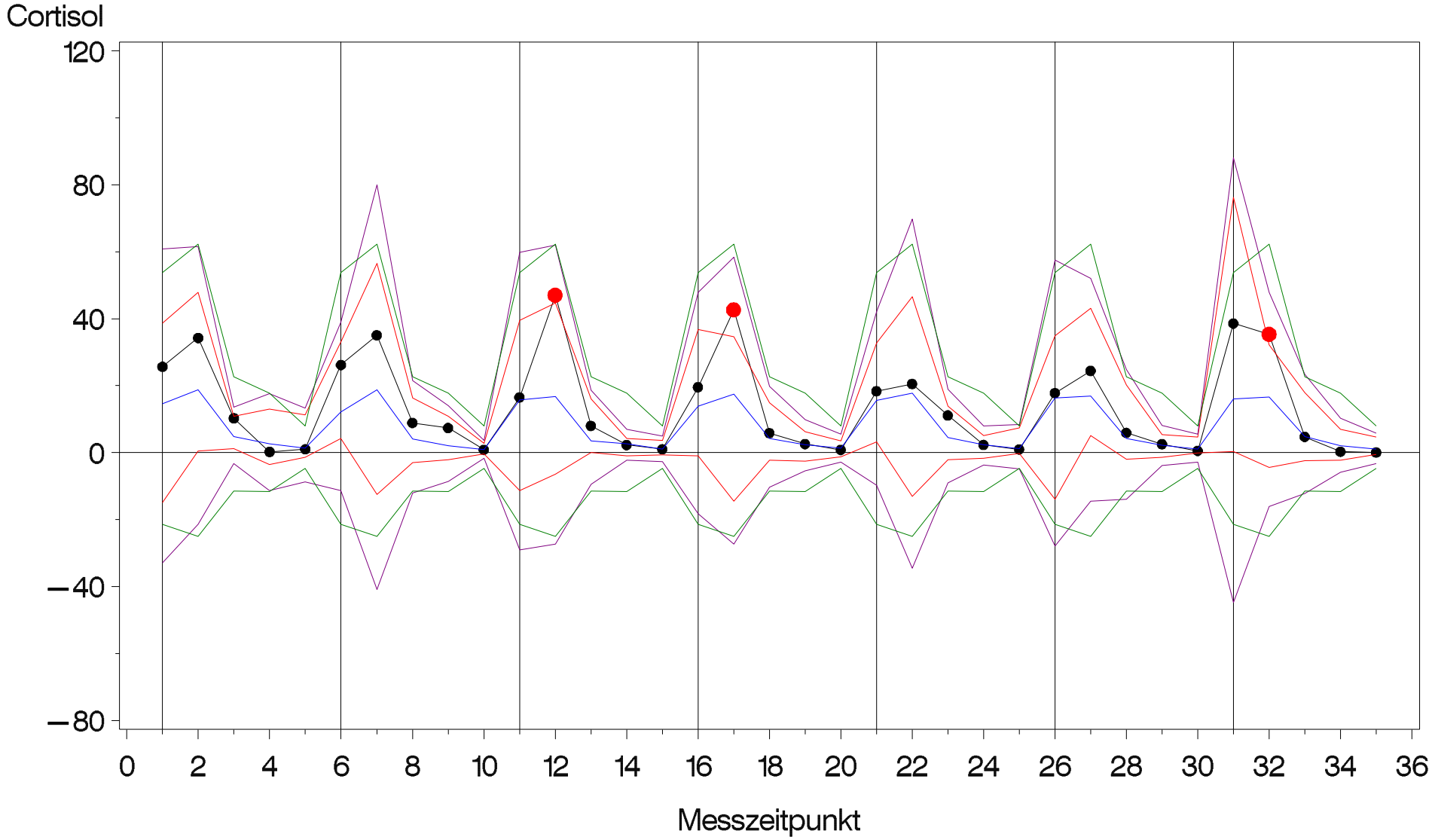
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=40



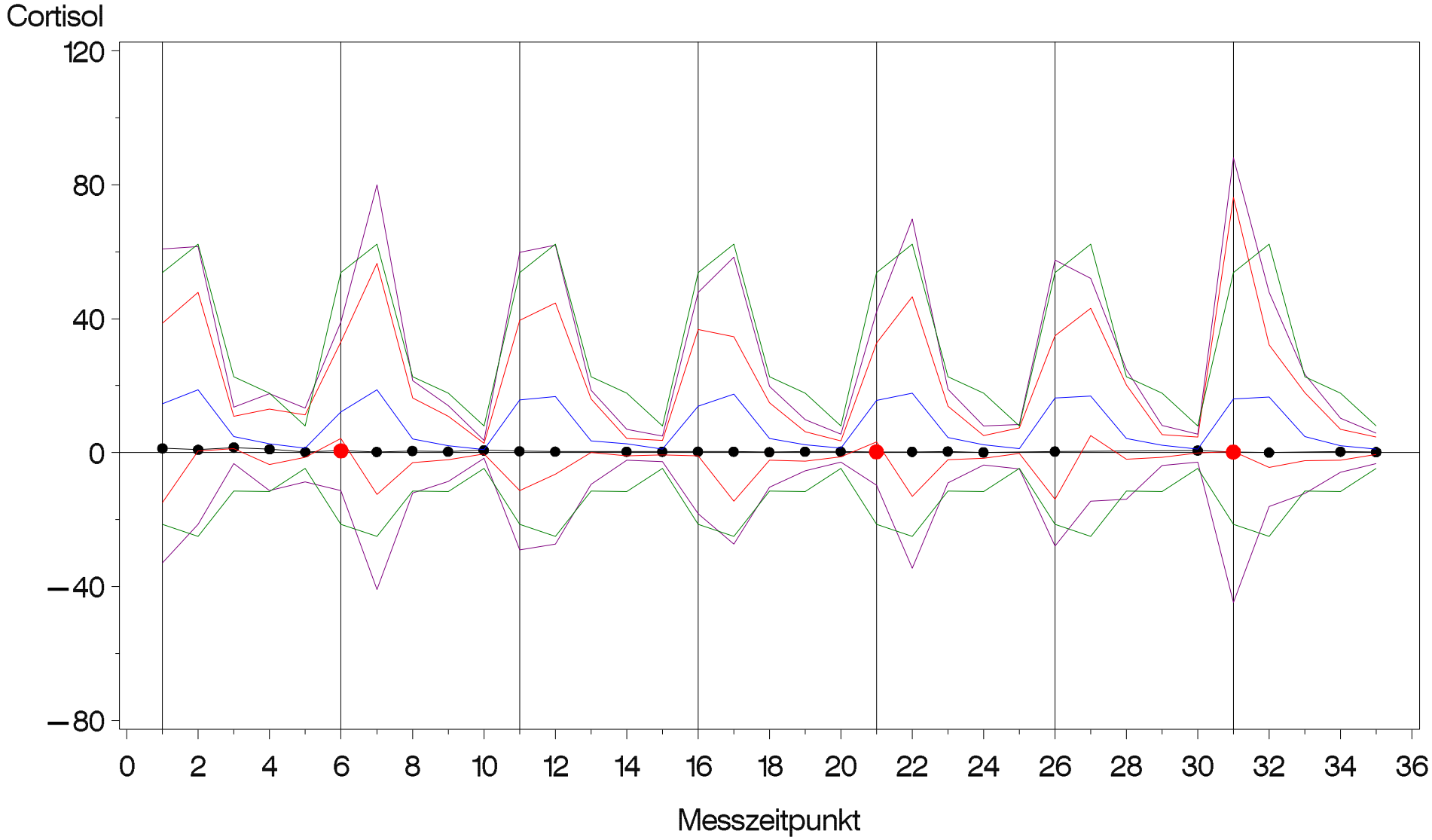
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=42



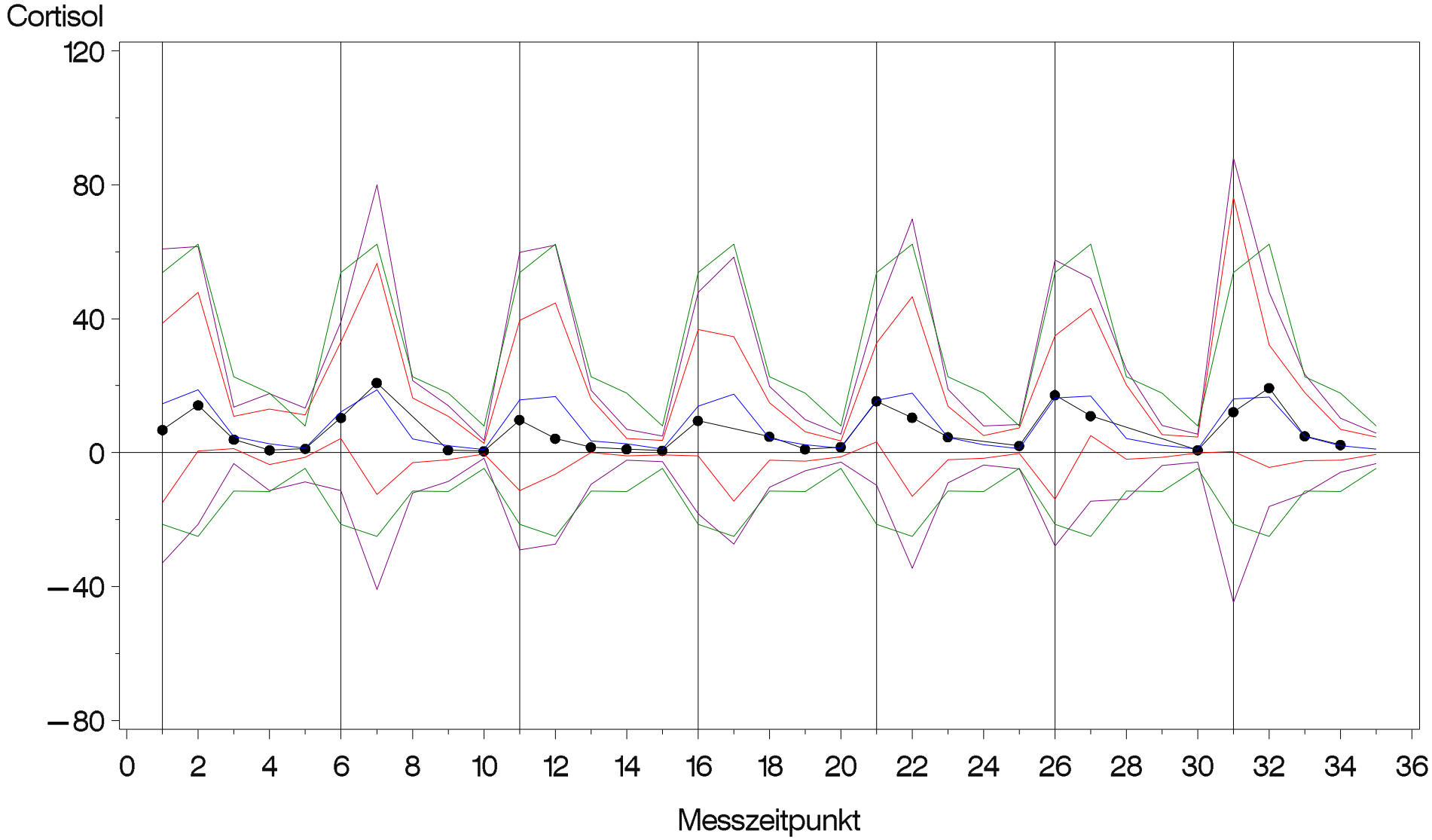
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=43



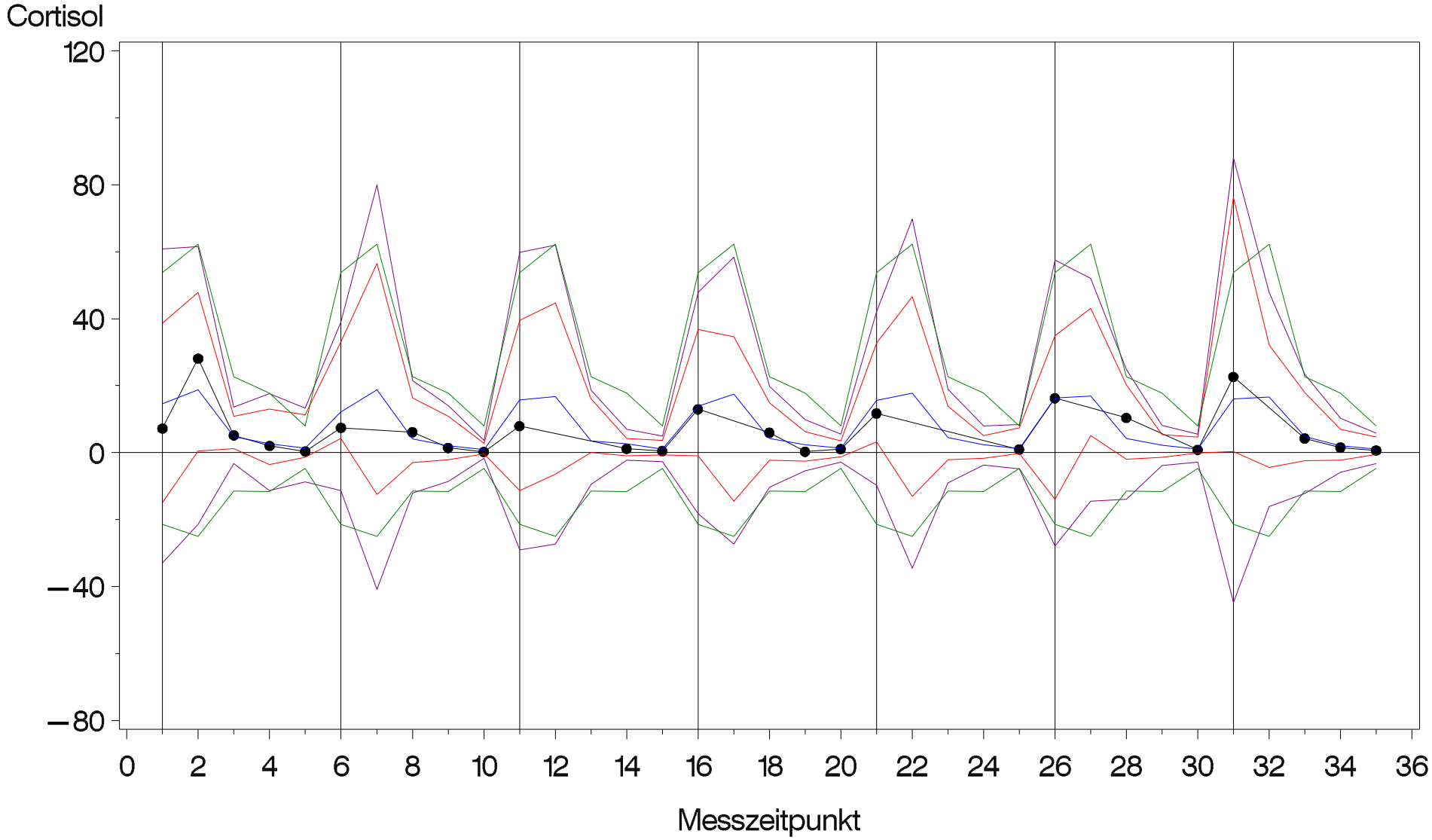
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=45



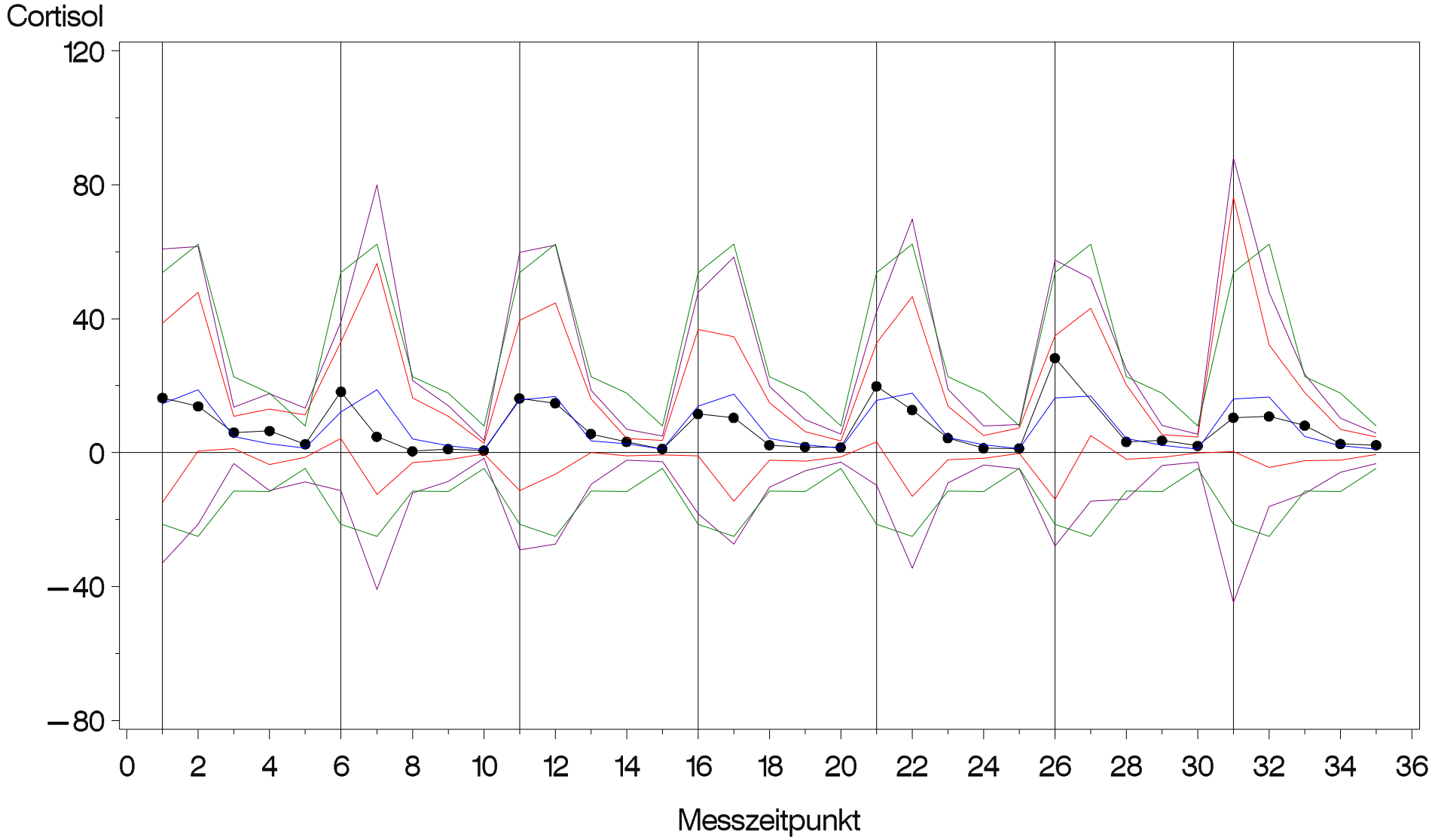
Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=47



Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=48



Cortisol Messreihen mit Ausreissern (Outlier: rot=Tukey, purple=IQA, gruen=4*STD/ blau median)
gruppe=URS VPN [1−99]=49



Anhang 5

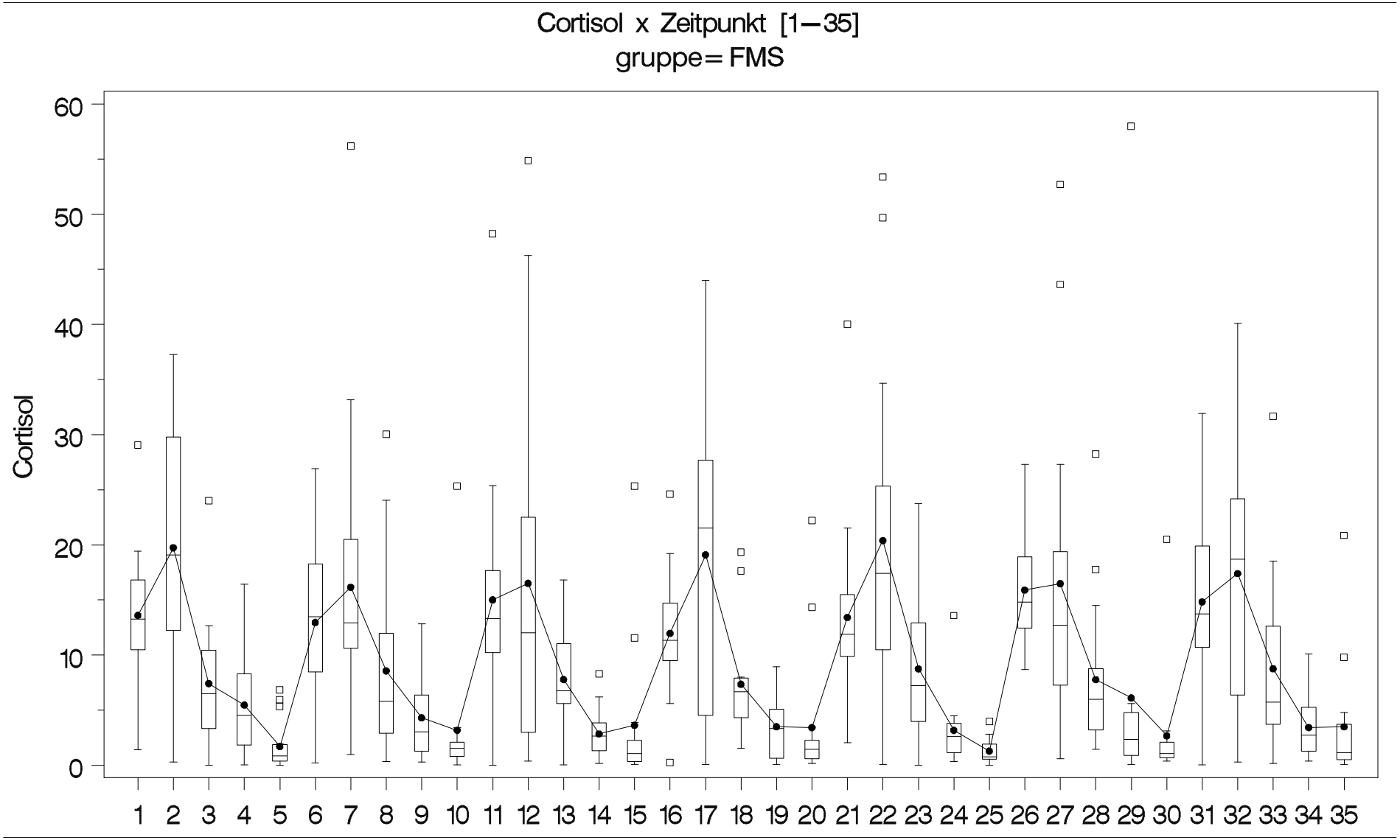
Verteilung Cortisolwerte pro Stichprobe

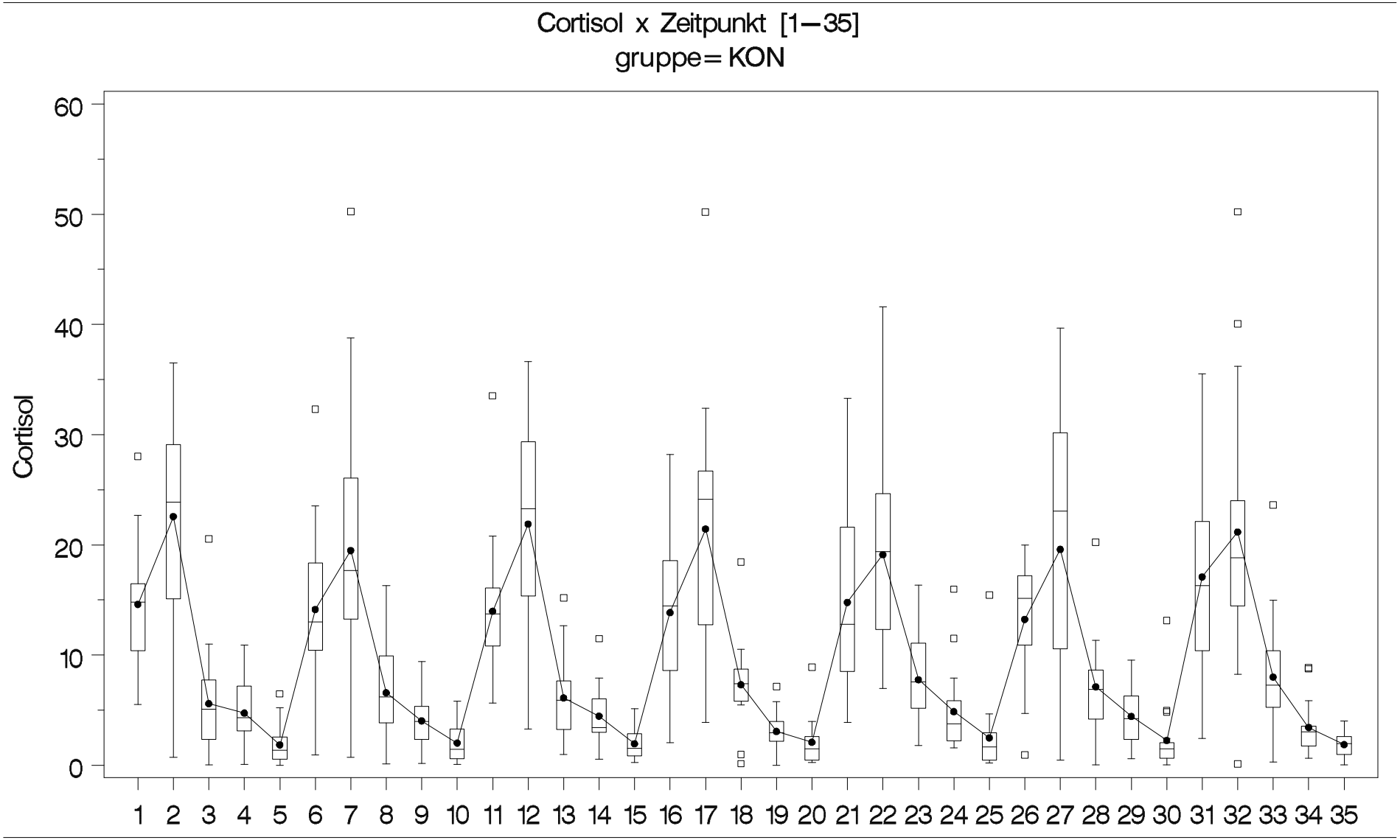
Inhalt Anhang 5

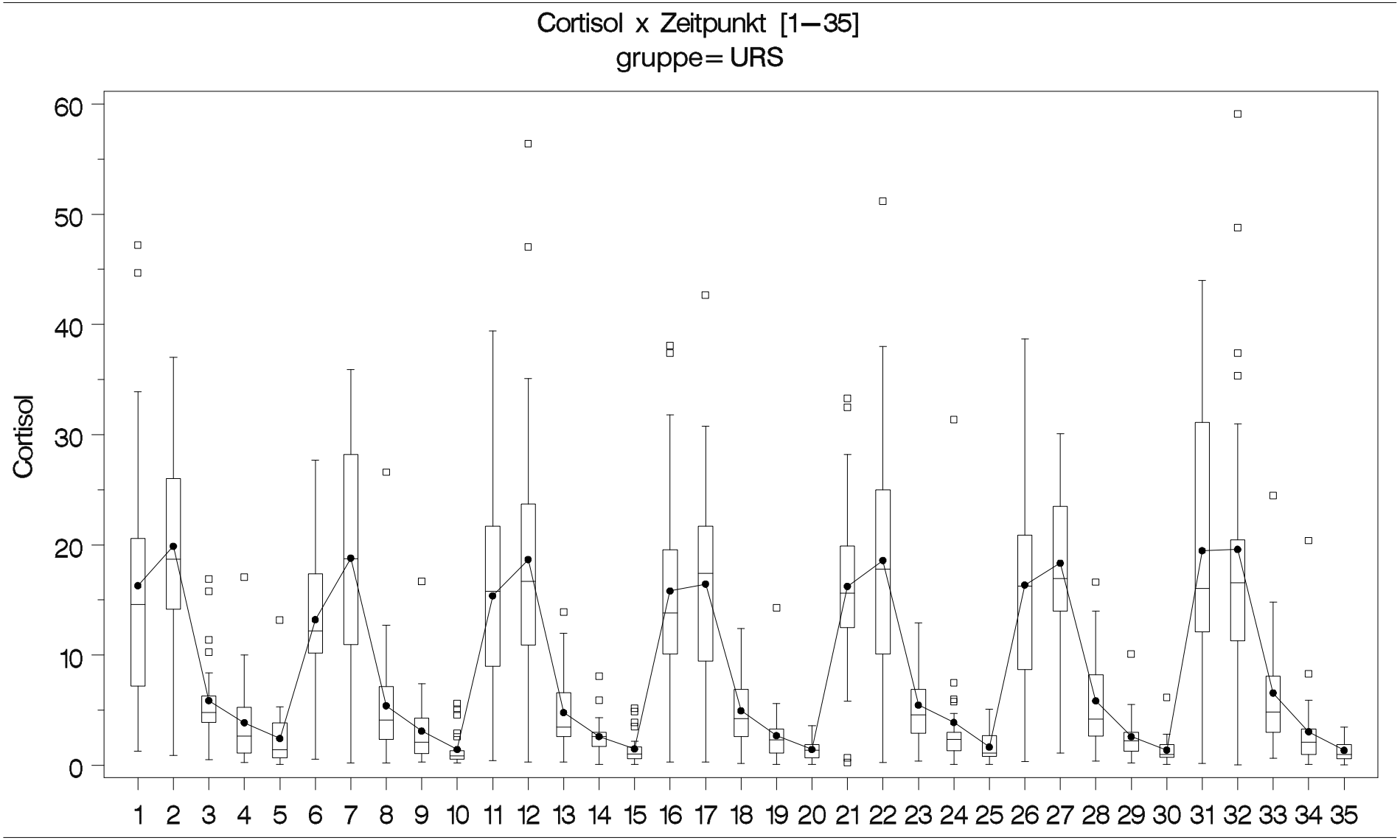
A Verteilung Cortisolwerte pro Stichprobe und Messzeitpunkt

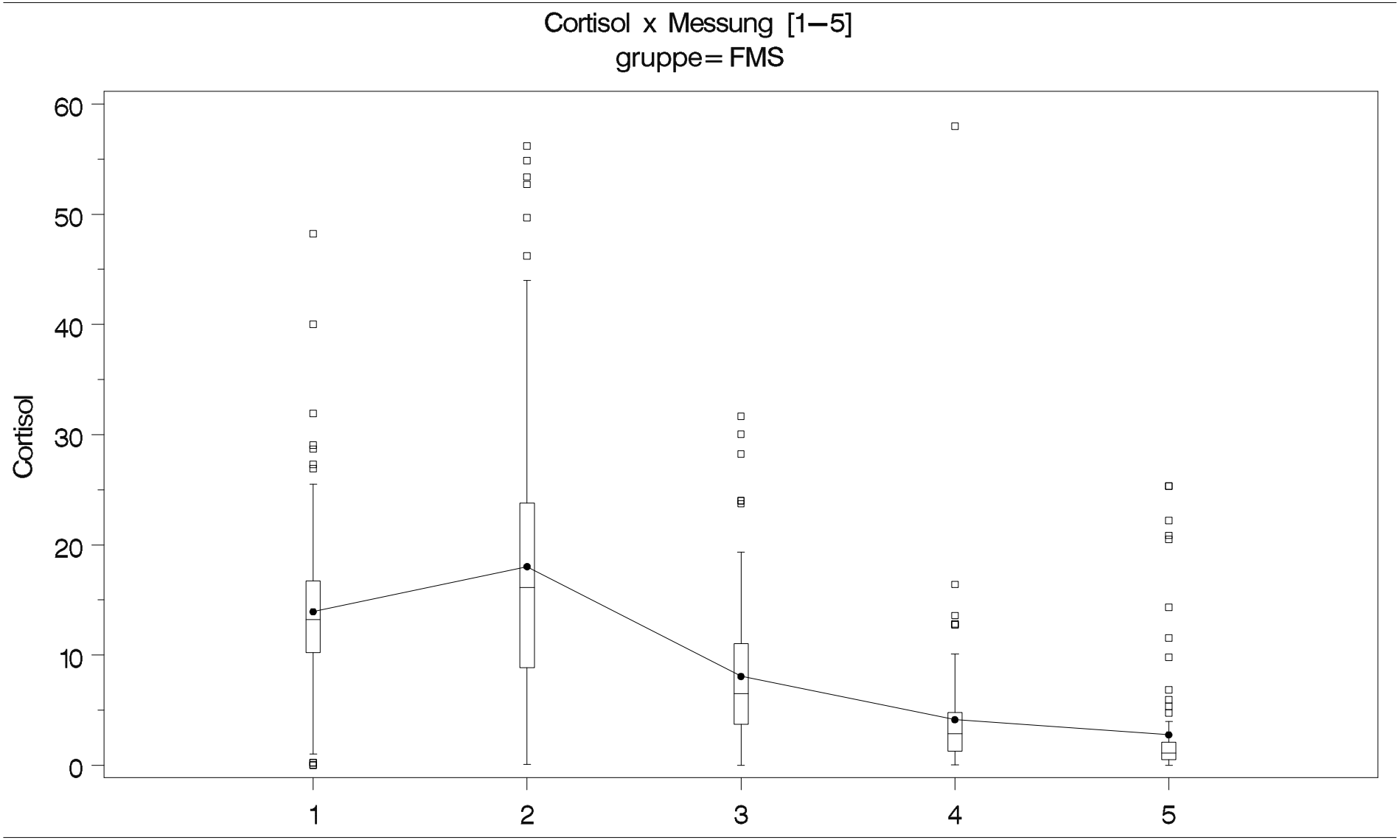
B Verteilung Cortisolwerte pro Stichprobe und Messzeitpunkt unter Angabe der Echtzeit bzw. deren Streuung

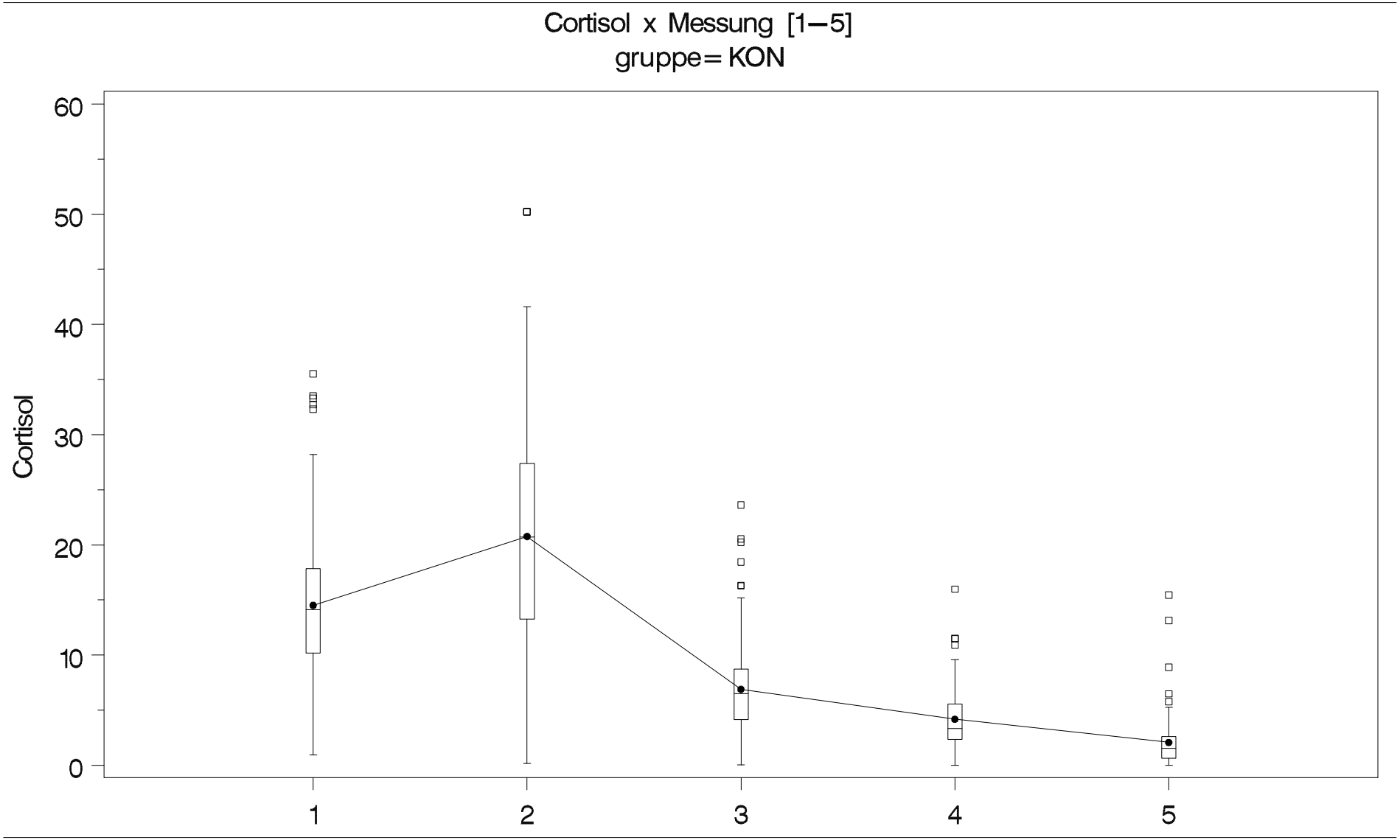
A Verteilung Cortisolwerte pro Stichprobe und Messzeitpunkt

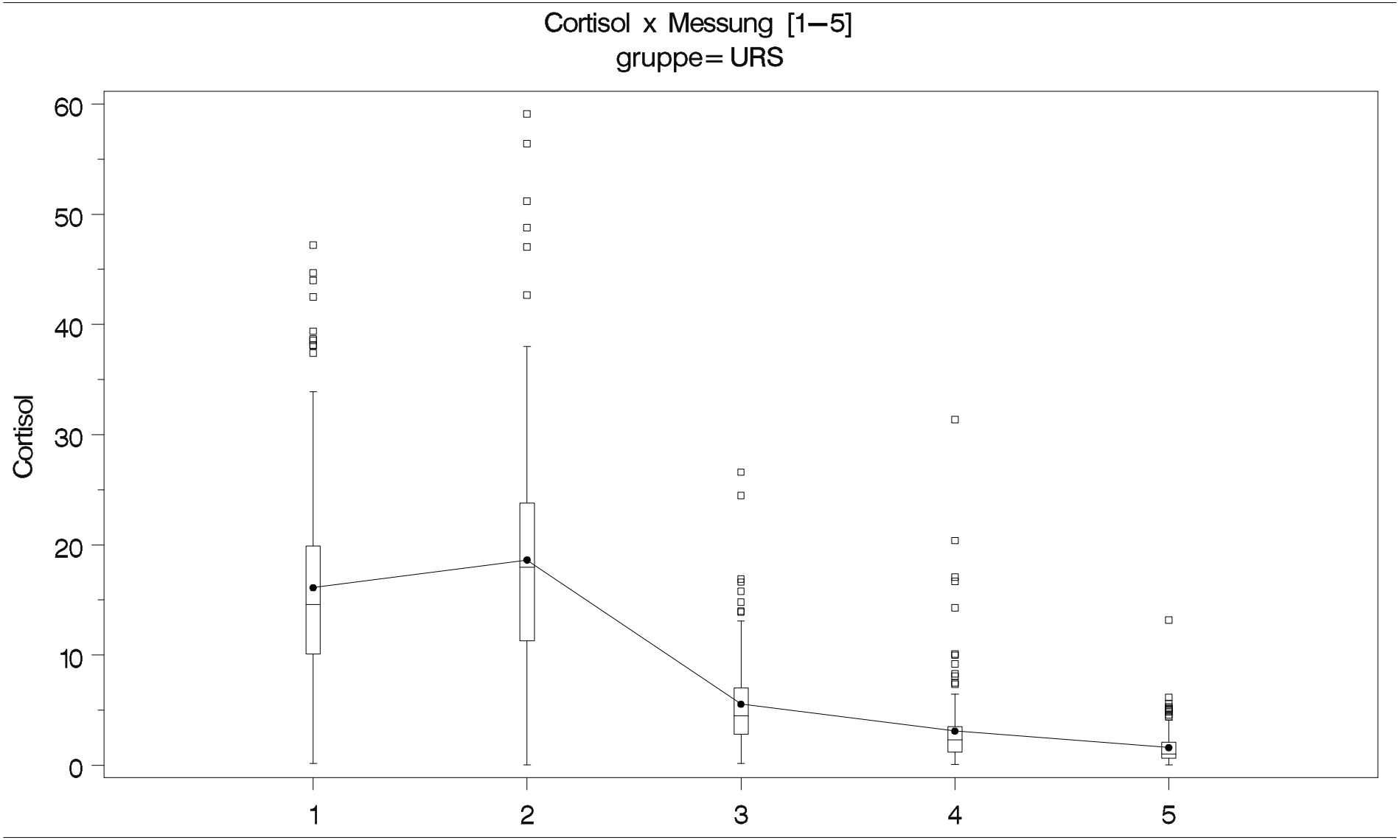

Cortisol x Zeitpunkt [1—35]
gruppe= FMS
Cortisol
0
10
20
30
40
50
60
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

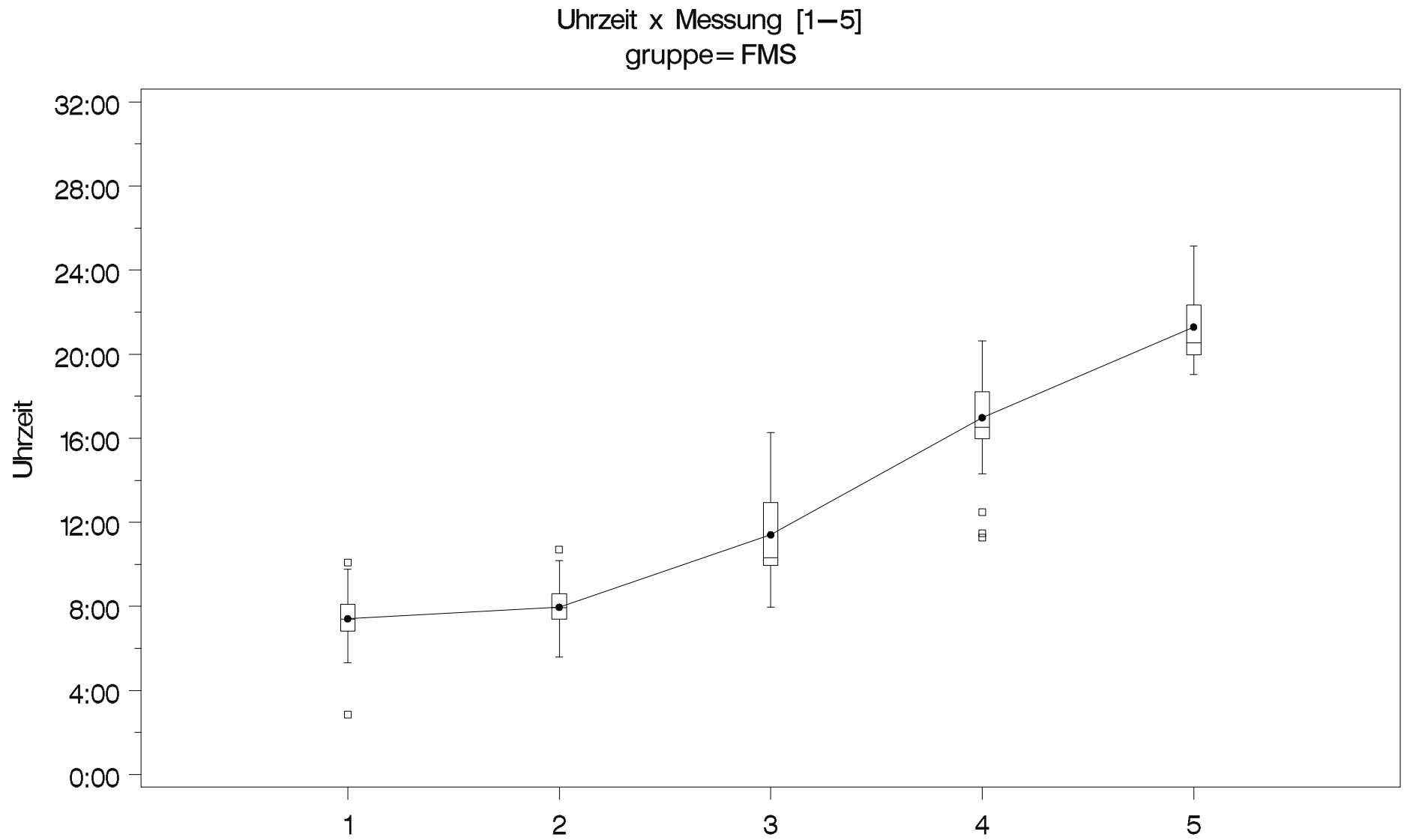

Cortisol x Zeitpunkt [1—35]
gruppe= KON
Cortisol
0
10
20
30
40
50
60
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

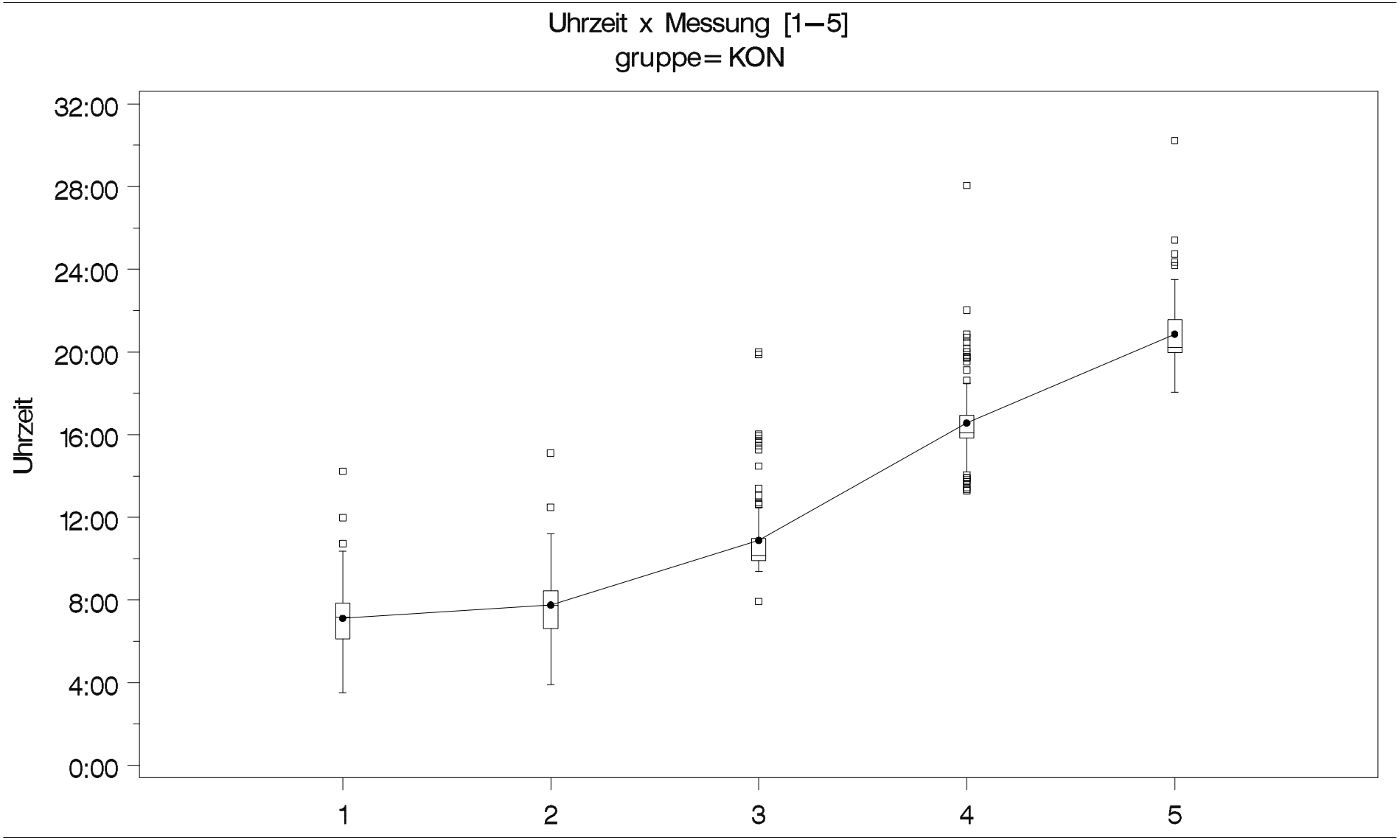

Cortisol x Zeitpunkt [1—35]
gruppe= URS
Cortisol
0
10
20
30
40
50
60
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

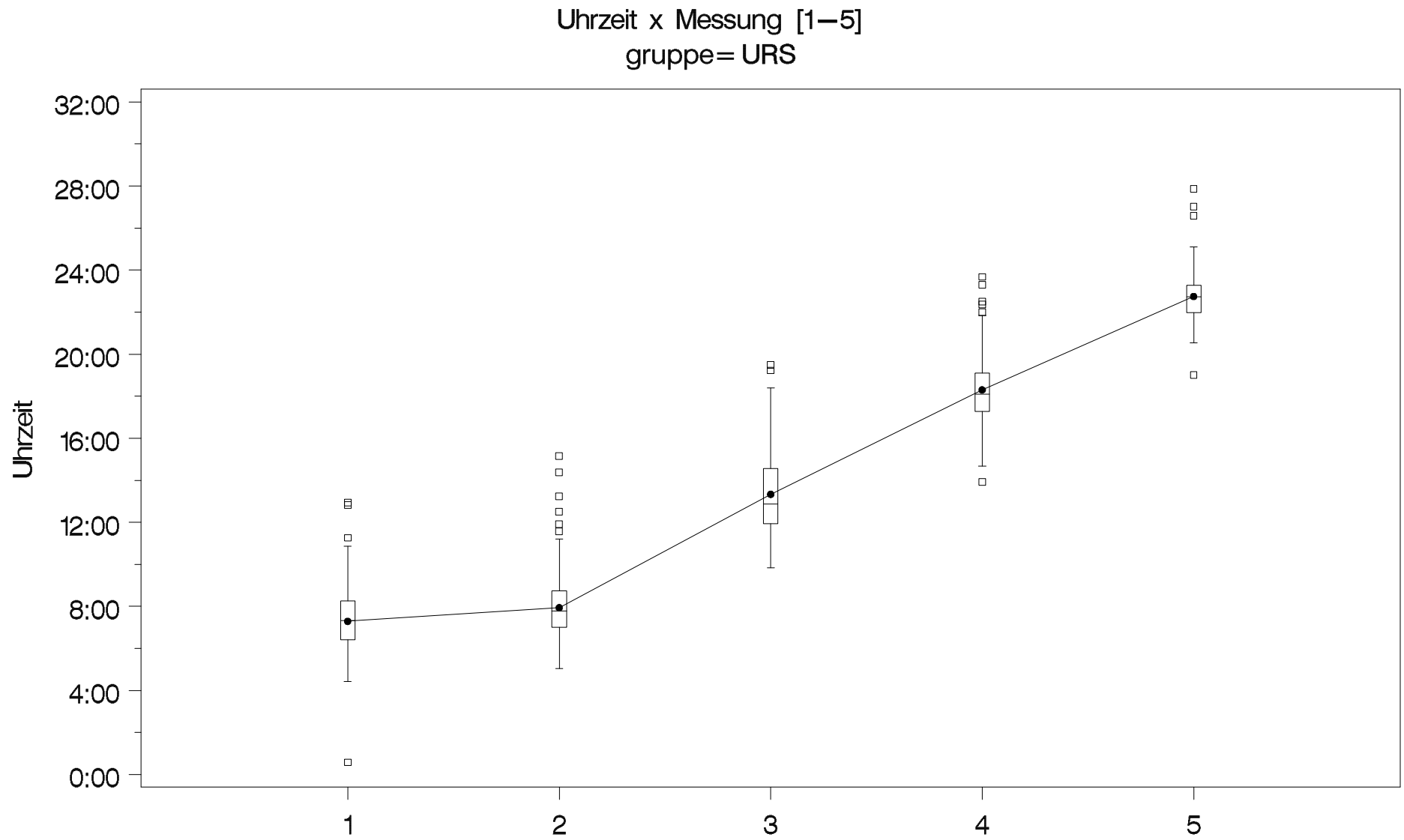

Cortisol x Messung [1–5]
gruppe= FMS
Cortisol
60
50
40
30
20
10
0
1
2
3
4
5


Cortisol x Messung [1–5]
gruppe= KON
Cortisol
60
50
40
30
20
10
0
1
2
3
4
5

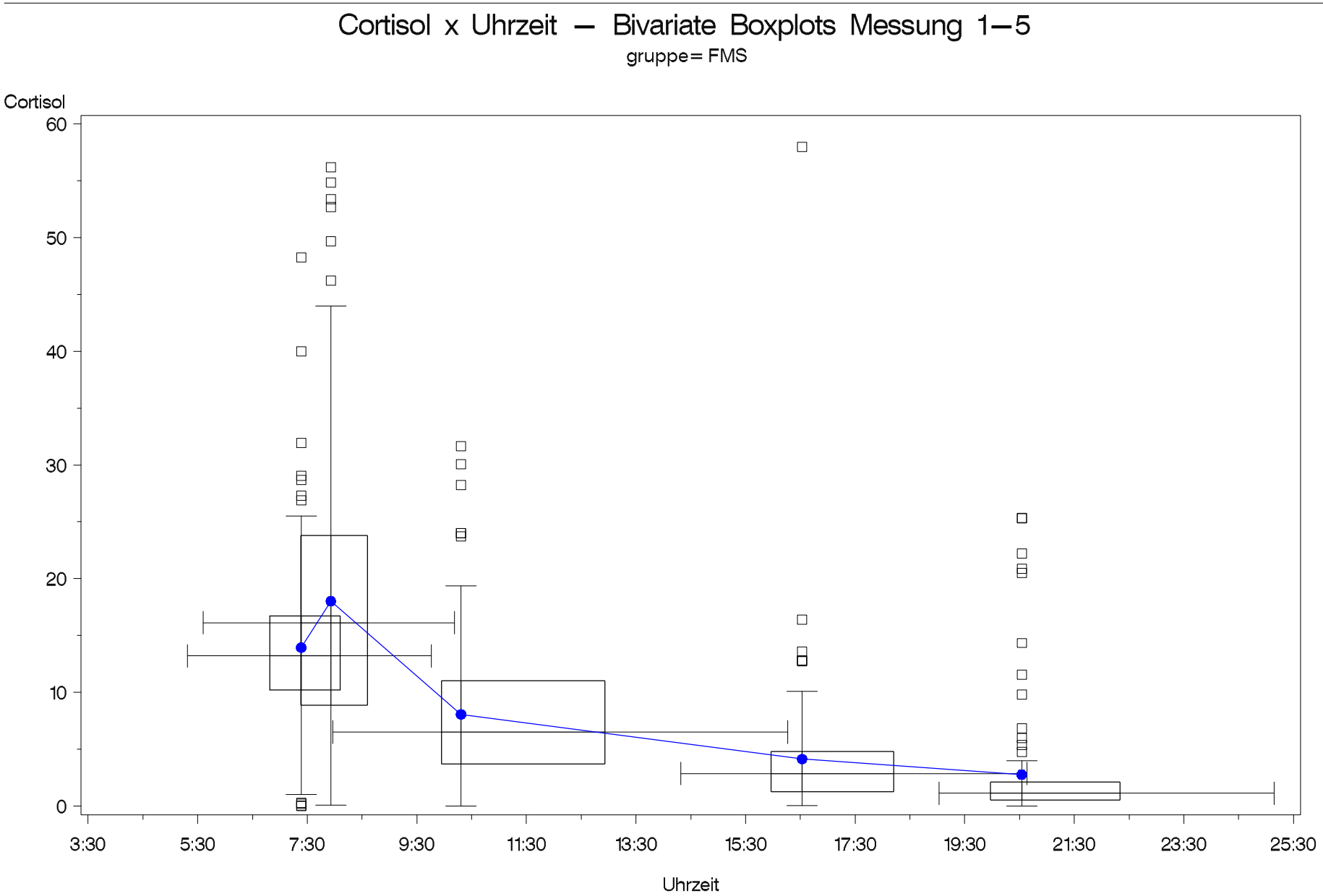

Cortisol x Messung [1–5]
gruppe= URS
Cortisol
60
50
40
30
20
10
0
1
2
3
4
5

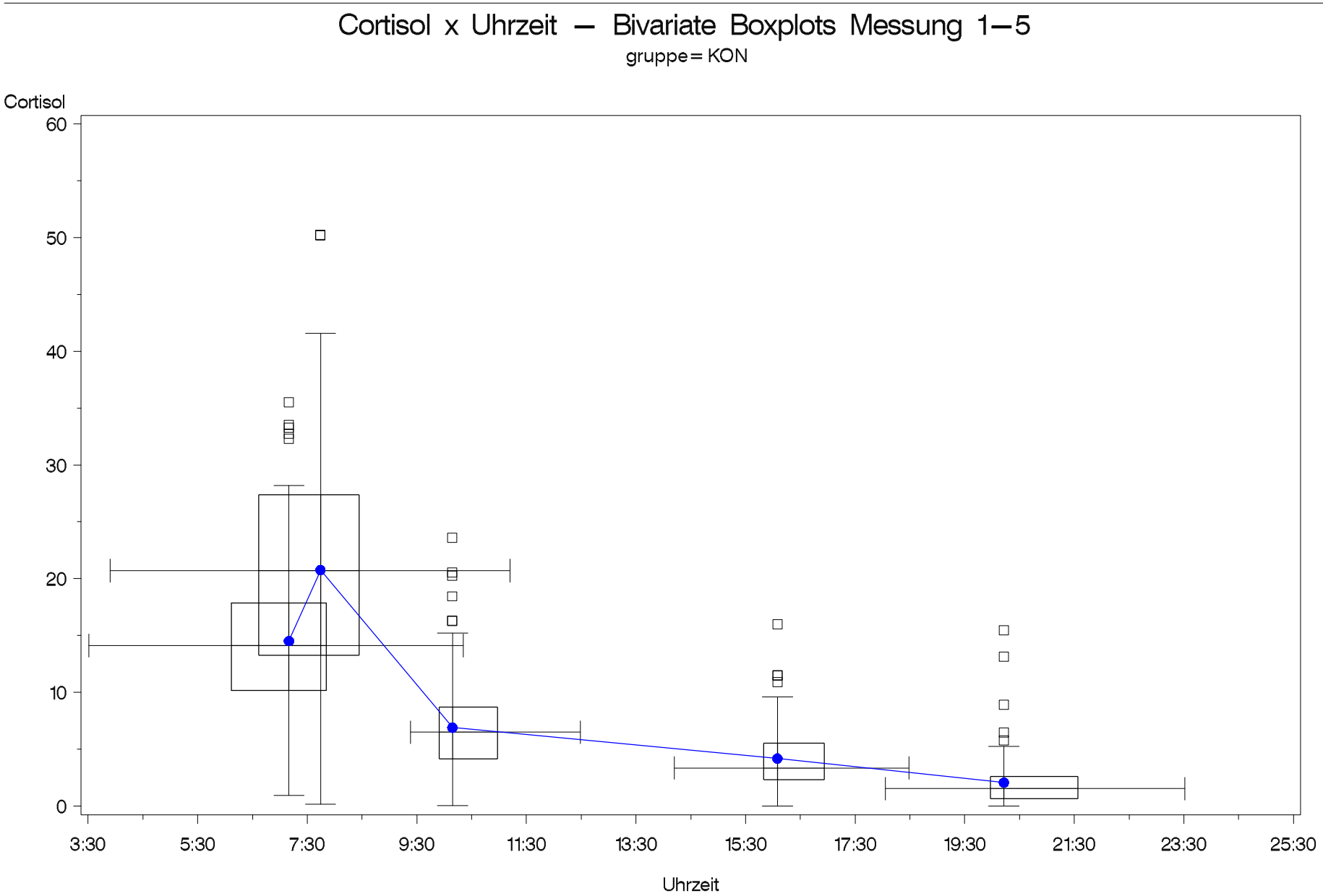

Uhrzeit x Messung [1–5]
gruppe= FMS
Uhrzeit
32:00
28:00
24:00
20:00
16:00
12:00
8:00
4:00
0:00
1
2
3
4
5

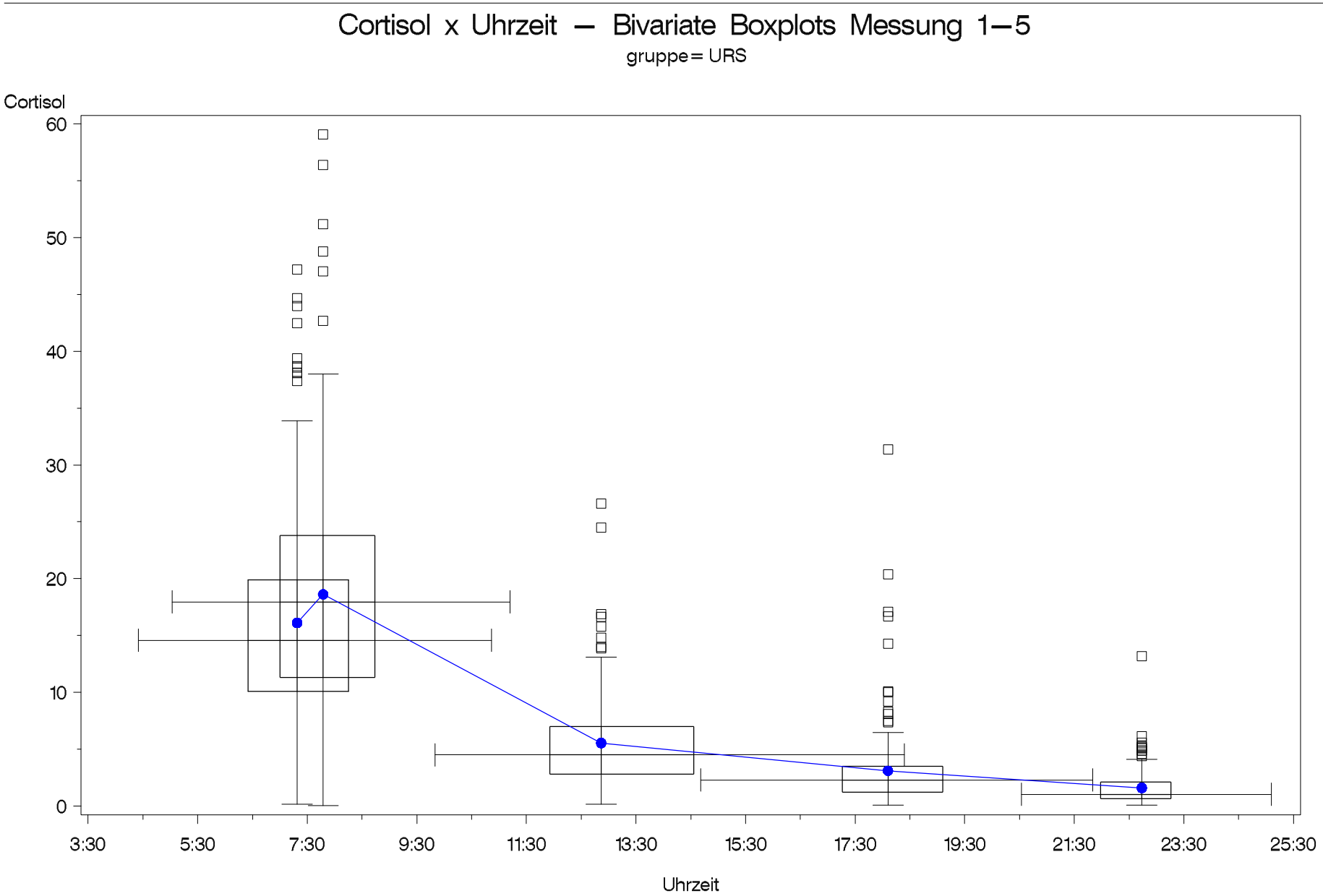

Uhrzeit x Messung [1–5]
gruppe= KON
Uhrzeit
32:00
28:00
24:00
20:00
16:00
12:00
8:00
4:00
0:00
1
2
3
4
5


Uhrzeit x Messung [1–5]
gruppe= URS
Uhrzeit
32:00
28:00
24:00
20:00
16:00
12:00
8:00
4:00
0:00
1
2
3
4
5

B Verteilung Cortisolwerte pro Stichprobe und Messzeitpunkt unter Angabe der Echtzeit bzw. deren Streuung


Cortisol x Uhrzeit – Bivariate Boxplots Messung 1–5
gruppe= FMS
Cortisol
60
50
40
30
20
10
0
3:30
5:30
7:30
9:30
11:30
13:30
15:30
17:30
19:30
21:30
23:30
25:30
Uhrzeit


Cortisol x Uhrzeit – Bivariate Boxplots Messung 1–5
gruppe= KON
Cortisol
60
50
40
30
20
10
0
3:30
5:30
7:30
9:30
11:30
13:30
15:30
17:30
19:30
21:30
23:30
25:30
Uhrzeit


Cortisol x Uhrzeit – Bivariate Boxplots Messung 1–5
gruppe= URS
Cortisol
60
50
40
30
20
10
0
3:30
5:30
7:30
9:30
11:30
13:30
15:30
17:30
19:30
21:30
23:30
25:30
Uhrzeit

Cortisol x Uhrzeit - Bivariate Boxplots Messung 1-5

11:43 Monday, April 3, 2006

Obs	gruppe	messung	cN	cMIN	cQ1	cMEAN	cMEDIAN	cQ3	cMAX	cLOWHISKR	cHIWHISKR	tN	tMIN	tQ1	tMEAN
1	FMS	1	124	0.01	10.23	13.9376	13.215	16.730	48.25	1.01	25.50	124	2:51:00	6:49:00	7:24:48
2	FMS	2	115	0.08	8.87	18.0260	16.130	23.780	56.19	0.08	43.98	115	5:36:00	7:23:00	7:57:42
3	FMS	3	106	0.01	3.72	8.0674	6.510	11.030	31.67	0.01	19.35	106	7:58:00	9:57:00	11:24:27
4	FMS	4	104	0.04	1.26	4.1433	2.860	4.810	57.98	0.04	10.10	104	11:17:00	15:58:00	16:59:01
5	FMS	5	102	0.01	0.52	2.7718	1.125	2.100	25.34	0.01	3.99	102	19:02:00	19:58:00	21:17:41
6	KON	1	132	0.95	10.18	14.5158	14.115	17.855	35.53	0.95	28.18	132	3:31:00	6:07:00	7:06:54
7	KON	2	126	0.15	13.28	20.7639	20.710	27.370	50.26	0.15	41.58	126	3:54:00	6:37:00	7:45:35
8	KON	3	124	0.02	4.16	6.8990	6.500	8.705	23.62	0.02	15.20	124	7:56:00	9:54:30	10:53:20
9	KON	4	125	0.01	2.33	4.1881	3.340	5.550	15.99	0.01	9.60	125	13:17:00	15:50:00	16:33:53
10	KON	5	122	0.01	0.64	2.0747	1.540	2.610	15.46	0.01	5.26	122	18:03:00	19:58:00	20:51:57
11	URS	1	189	0.17	10.10	16.1150	14.570	19.900	47.20	0.17	33.90	189	0:35:00	6:25:00	7:17:32
12	URS	2	170	0.04	11.30	18.6302	17.950	23.800	59.10	0.04	38.00	170	5:02:00	7:00:00	7:56:39
13	URS	3	152	0.17	2.80	5.5489	4.500	7.000	26.60	0.17	13.10	152	9:50:00	11:55:30	13:20:00

Obs	tMEDIAN	tQ3	tMAX	tLOWHISKR	tHIWHISKR
1	7:23:30	8:06:00	10:05:00	5:19:00	9:46:00
2	7:56:00	8:36:00	10:43:00	5:36:00	10:11:00
3	10:18:30	12:56:00	16:16:00	7:58:00	16:16:00
4	16:32:00	18:12:00	20:38:00	14:19:00	20:38:00
5	20:32:30	22:20:00	25:09:00	19:02:00	25:09:00
6	7:10:00	7:51:00	14:14:00	3:31:00	10:21:00
7	7:44:30	8:27:00	15:07:00	3:54:00	11:12:00
8	10:09:00	10:58:30	20:00:00	9:23:00	12:29:00
9	16:05:00	16:56:00	28:04:00	14:12:00	18:29:00
10	20:13:00	21:34:00	30:14:00	18:03:00	23:31:00
11	7:19:00	8:15:00	12:57:00	4:25:00	10:52:00
12	7:47:30	8:44:00	15:09:00	5:02:00	11:12:00
13	12:52:00	14:33:00	19:30:00	9:50:00	18:24:00

Cortisol x Uhrzeit - Bivariate Boxplots Messung 1-5

11:43 Monday, April 3, 2006

Obs	*gruppe*	*messung*	*cN*	*cMIN*	*cQ1*	*cMEAN*	*cMEDIAN*	*cQ3*	*cMAX*	*cLOWHISKR*	*cHIWHISKR*	*tN*	*tMIN*	*tQ1*	*tMEAN*
14	URS	4	170	0.09	1.20	3.1101	2.290	3.500	31.38	0.09	6.47	170	13:56:00	17:16:00	18:18:25
15	URS	5	170	0.06	0.65	1.6032	1.030	2.100	13.20	0.06	4.10	170	19:01:00	21:59:00	22:44:55

Obs	*tMEDIAN*	*tQ3*	*tMAX*	*tLOWHISKR*	*tHIWHISKR*
14	18:06:00	19:06:00	23:41:00	14:41:00	21:50:00
15	22:44:00	23:16:00	27:52:00	20:32:00	25:06:00

Anhang 6

Zeiten der Probenentnahme des Cortisols

Inhalt Anhang 6

A Deskriptive Statistik absolute Entnahmezeit Cortisolproben
B Absolute Zeit der Probenentnahme – Untersuchung von Einflussfaktoren
C Relative Zeit der Probenentnahme – Untersuchung von Einflussfaktoren

A Deskriptive Statistik absolute Entnahmezeit Cortisolproben

Deskriptive Statistik absolute Entnahmezeiten Cortisolproben pro Stichprobe (URS= Rückenschmerz, FMS= Fibromyalgie, KON= Kontrollgruppe). Angegeben sind: Messzeitpunkt= MZP, N= Anzahl der Messungen, Min= Minimum, Q1= 1. Quartil, MW= Mittelwert, MD= Median, Q3= 3. Quartil, Max= Maximum Entnahmezeit, Low Whisker= Q2-1.5*IQA, High Whisker= Q2+1.5*IQA, Gruppe= Stichprobe

Gruppe	MZP	N	Min	Q1	MW	MD	Q3	Max	Low Whisker	High Whisker
URS	1	189	0:35	6:25	7:18	7:19	8:15	12:57	4:25	10:52
	2	170	5:02	7:00	7:57	7:48	8:44	15:09	5:02	11:12
	3	152	9:50	11:55	13:20	12:52	14:33	19:30	9:50	18:24
	4	170	13:56	17:16	18:18	18:06	19:06	23:41	14:41	21:50
	5	170	19:01	21:59	22:45	22:44	23:16	27:52	20:32	25:06
FMS	1	124	2:51	6:49	7:25	7:24	8:06	10:05	5:19	9:46
	2	115	5:36	7:23	7:58	7:56	8:36	10:43	5:36	10:11
	3	106	7:58	9:57	11:24	10:19	12:56	16:16	7:58	16:16
	4	104	11:17	15:58	16:59	16:32	18:12	20:38	14:19	20:38
	5	102	19:02	19:58	21:18	20:33	22:20	25:09	19:02	25:09
KON	1	132	3:31	6:07	7:07	7:10	7:51	14:14	3:31	10:21
	2	126	3:54	6:37	7:46	7:45	8:27	15:07	3:54	11:12
	3	124	7:56	9:55	10:53	10:09	10:59	20:00	9:23	12:29
	4	125	13:17	15:50	16:34	16:05	16:56	28:04	14:12	18:29
	5	122	18:03	19:58	20:52	20:13	21:34	30:14	18:03	23:31

B Absolute Zeit der Probenentnahme – Untersuchung von Einflussfaktoren

Einfluss des Tages, der Stichprobenzugehörigkeit und der Messung auf Vorhersage der <u>absoluten</u> Entnahmezeit der Cortisolproben:

Mixed Model Analyse: Cort (AR1)

Class Level Information

Class	Levels
Code	66
gruppe	3
tag	7
messung	5

Ergebnis ohne Berücksichtigung des Faktors Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	366	0.24	0.9622
gruppe	2	63	7.15	0.0016
gruppe*tag	12	366	0.29	0.9904

Mixed Model Analyse: Cort (AR1)

Class Level Information

Class	Levels
Code	66
gruppe	3
tag	7
messung	5

Ergebnis mit Berücksichtigung des Faktors Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	366	1.98	0.0681
gruppe	2	63	42.08	<.0001
gruppe*tag	12	366	0.85	0.5955
messung	4	252	9339.62	<.0001
tag*messung	24	1245	0.90	0.5982
gruppe*messung	8	252	32.73	<.0001
gruppe*tag*messung	48	1245	0.87	0.7231

Darstellung der Einzelkontraste ╥ gelb unterlegt sind die interessierenden statistisch signifikanten Einzelkontraste

Least Squares Means

Effect	gruppe	messung	Estimate	Standard Error	DF	t Value	Pr > |t|
messung		1	26186	280.23	252	93.45	<.0001
messung		2	28547	286.06	252	99.79	<.0001
messung		3	42830	292.37	252	146.49	<.0001
messung		4	62416	290.48	252	214.87	<.0001
messung		5	77929	292.02	252	266.86	<.0001
gruppe	FMS		46902	411.99	63	113.84	<.0001
gruppe	KON		45647	399.17	63	114.35	<.0001
gruppe	URS		50195	336.82	63	149.03	<.0001
gruppe*messung	FMS	1	26594	520.11	252	51.13	<.0001
gruppe*messung	FMS	2	28747	531.92	252	54.04	<.0001
gruppe*messung	FMS	3	41173	545.17	252	75.52	<.0001
gruppe*messung	FMS	4	61353	548.75	252	111.80	<.0001
gruppe*messung	FMS	5	76645	552.25	252	138.79	<.0001
gruppe*messung	KON	1	25714	506.40	252	50.78	<.0001
gruppe*messung	KON	2	28091	512.73	252	54.79	<.0001
gruppe*messung	KON	3	39392	516.06	252	76.33	<.0001

gruppe*messung	KON	4	59859	515.98	252	116.01	<.0001
gruppe*messung	KON	5	75179	520.17	252	144.53	<.0001
gruppe*messung	URS	1	26252	424.03	252	61.91	<.0001
gruppe*messung	URS	2	28802	436.63	252	65.97	<.0001
gruppe*messung	URS	3	47924	453.67	252	105.64	<.0001
gruppe*messung	URS	4	66035	438.26	252	150.68	<.0001
gruppe*messung	URS	5	81963	438.11	252	187.08	<.0001

Differences of Least Squares Means

Effect	gruppe	messung	_gruppe	_messung	Estimate	Standard Error	DF	t Value	Pr > |t|
messung		1		2	-2360.49	254.14	252	-9.29	<.0001
messung		1		3	-16643	308.43	252	-53.96	<.0001
messung		1		4	-36229	311.53	252	-116.29	<.0001
messung		1		5	-51743	278.64	252	-185.70	<.0001
messung		2		3	-14283	264.96	252	-53.91	<.0001
messung		2		4	-33869	311.81	252	-108.62	<.0001
messung		2		5	-49382	317.75	252	-155.41	<.0001
messung		3		4	-19586	268.90	252	-72.84	<.0001
messung		3		5	-35099	318.60	252	-110.17	<.0001
messung		4		5	-15514	267.66	252	-57.96	<.0001
gruppe	FMS		KON		1255.65	573.64	63	2.19	0.0323
gruppe	FMS		URS		-3292.79	532.15	63	-6.19	<.0001
gruppe	KON		URS		-4548.44	522.29	63	-8.71	<.0001
gruppe*messung	FMS	1	KON	1	880.04	725.92	252	1.21	0.2265
gruppe*messung	FMS	1	URS	1	341.86	671.05	252	0.51	0.6109
gruppe*messung	FMS	2	KON	2	656.92	738.80	252	0.89	0.3748
gruppe*messung	FMS	2	URS	2	-55.0043	688.17	252	-0.08	0.9364
gruppe*messung	FMS	3	KON	3	1781.07	750.68	252	2.37	0.0184
gruppe*messung	FMS	3	URS	3	-6750.75	709.24	252	-9.52	<.0001
gruppe*messung	FMS	4	KON	4	1493.45	753.23	252	1.98	0.0485

gruppe*messung	FMS	4	URS	4	-4682.30	702.28	252	-6.67	<.0001
gruppe*messung	FMS	5	KON	5	1466.75	758.65	252	1.93	0.0543
gruppe*messung	FMS	5	URS	5	-5317.78	704.92	252	-7.54	<.0001
gruppe*messung	KON	1	URS	1	-538.18	660.49	252	-0.81	0.4159
gruppe*messung	KON	2	URS	2	-711.92	673.45	252	-1.06	0.2915
gruppe*messung	KON	3	URS	3	-8531.82	687.12	252	-12.42	<.0001
gruppe*messung	KON	4	URS	4	-6175.75	676.98	252	-9.12	<.0001
gruppe*messung	KON	5	URS	5	-6784.52	680.09	252	-9.98	<.0001

C Relative Zeit der Probenentnahme – Untersuchung von Einflussfaktoren

Einfluss des Tages, der Messung und Stichprobenzugehörigkeit auf die relative Entnahmezeit der Cortisolproben

Mixed Model Analyse: Cort (AR1)

Class Level Information

Class	Levels
Code	66
gruppe	3
tag	7
messung	5

Ergebnis ohne Berücksichtigung des Faktors Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	378	0.84	0.5405
gruppe	2	63	9.03	0.0004
gruppe*tag	12	378	0.25	0.9954

Ergebnis mit Berücksichtigung des Faktors Messung

Mixed Model Analyse: Cort (AR1)

Class Level Information

Class	Levels
Code	66
gruppe	3
tag	7
messung	5

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	378	2.29	0.0345
gruppe	2	63	56.97	<.0001
gruppe*tag	12	378	1.04	0.4098
messung	4	252	9785.18	<.0001
tag*messung	24	1235	1.01	0.4481
gruppe*messung	8	252	34.20	<.0001
gruppe*tag*messung	48	1235	0.88	0.6974

Differences of Least Squares Means

Effect	gruppe	messung	_gruppe	_messung	Estimate	Standard Error	DF	t Value	Pr > |t|
messung		1		2	-2375.68	253.29	252	-9.38	<.0001
messung		1		3	-16632	302.61	252	-54.96	<.0001
messung		1		4	-36234	304.40	252	-119.03	<.0001
messung		1		5	-51791	273.47	252	-189.38	<.0001
messung		2		3	-14256	266.17	252	-53.56	<.0001
messung		2		4	-33858	309.06	252	-109.55	<.0001
messung		2		5	-49416	314.11	252	-157.32	<.0001
messung		3		4	-19602	270.41	252	-72.49	<.0001
messung		3		5	-35159	315.99	252	-111.27	<.0001
messung		4		5	-15557	269.45	252	-57.74	<.0001
gruppe	FMS		KON		323.99	471.90	63	0.69	0.4949
gruppe	FMS		URS		-3723.65	440.57	63	-8.45	<.0001
gruppe	KON		URS		-4047.64	429.59	63	-9.42	<.0001
gruppe*messung	FMS	1	KON	1	1.47E-11	629.41	252	0.00	1.0000
gruppe*messung	FMS	1	URS	1	-255E-12	588.32	252	-0.00	1.0000
gruppe*messung	FMS	2	KON	2	-232.12	662.80	252	-0.35	0.7265
gruppe*messung	FMS	2	URS	2	-434.49	619.44	252	-0.70	0.4837
gruppe*messung	FMS	3	KON	3	766.65	678.15	252	1.13	0.2593

gruppe*messung	FMS	3	URS	3	-7225.58	643.40	252	-11.23	<.0001
gruppe*messung	FMS	4	KON	4	601.98	682.10	252	0.88	0.3783
gruppe*messung	FMS	4	URS	4	-5115.19	637.28	252	-8.03	<.0001
gruppe*messung	FMS	5	KON	5	483.45	685.17	252	0.71	0.4811
gruppe*messung	FMS	5	URS	5	-5842.98	638.50	252	-9.15	<.0001
gruppe*messung	KON	1	URS	1	-27E-11	579.62	252	-0.00	1.0000
gruppe*messung	KON	2	URS	2	-202.37	602.27	252	-0.34	0.7371
gruppe*messung	KON	3	URS	3	-7992.23	618.59	252	-12.92	<.0001
gruppe*messung	KON	4	URS	4	-5717.18	607.03	252	-9.42	<.0001
gruppe*messung	KON	5	URS	5	-6326.43	608.94	252	-10.39	<.0001

Getrennte Analyse für die Messzeitpunkte 2-5: Vorhersage der relativen Probenentnahmezeit durch den Tag und die Stichprobenzugehörigkeit. Dargestellt sind jeweils die Mixed Models mit dem besten Modell-Fit.

```
      Mixed Model Analyse: Cort (UN); 2. Messung
               Class Level Information
  Class     Levels    Values
   vpn           66    2 4 6 7 8 11 12 14 19 20 21 22
                       24 25 27 28 30 31 32 33 34 35
                       36 37 38 39 40 41 42 43 45 47
                       48 49 57 60 61 65 66 68 69 70
                       72 73 74 76 77 78 79 81 83 84
                       85 86 87 90 91 92 93 94 95 96
                       97 99 100 101
   gruppe         3    FMS KON URS
   tag            7    1 2 3 4 5 6 7

                     Dimensions
          Covariance Parameters            28
          Columns in X                     32
          Columns in Z                      0
```

Subjects	66
Max Obs Per Subject	7

Mixed Model Analyse: Cort (UN); 2. Messung

The Mixed Procedure

Number of Observations

Number of Observations Read	462
Number of Observations Used	408
Number of Observations Not Used	54

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	63	1.12	0.3606
gruppe	2	63	0.85	0.4324
gruppe*tag	12	63	0.93	0.5202

Mixed Model Analyse: Cort (CS), 3. Messung

Class Level Information

Class	Levels	Values
vpn	66	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 83 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
gruppe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	66
Max Obs Per Subject	7

Mixed Model Analyse: Cort (CS), 3. Messung

The Mixed Procedure

Number of Observations

Number of Observations Read	462
Number of Observations Used	381
Number of Observations Not Used	81

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
1	107.49	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	297	1.67	0.1285
gruppe	2	63	18.10	<.0001
gruppe*tag	12	297	0.74	0.7110

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	297	3.07	0.0806
Gruppe: FMS*KON	1	63	0.31	0.5784
Gruppe: FMS*URS	1	63	21.84	<.0001
Gruppe: KON*URS	1	63	29.09	<.0001
FMS/KON * Tag	1	297	0.35	0.5542
FMS/URS * Tag	1	297	3.05	0.0817
KON/URS * Tag	1	297	1.41	0.2355

Mixed Model Analyse: Cort (CS), 4. Messung

The Mixed Procedure

Class Level Information

Class	Levels	Values
vpn	66	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 83 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
gruppe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	66

Max Obs Per Subject 7

Mixed Model Analyse: Cort (CS), 4. Messung

The Mixed Procedure

Number of Observations

Number of Observations Read	462
Number of Observations Used	397
Number of Observations Not Used	65

Iteration History

Iteration	Evaluations	-2 Log Like	Criterion
0	1	8136.10556017	
1	2	8066.15503600	0.00000859
2	1	8066.12229025	0.00000003
3	1	8066.12216719	0.00000000

Convergence criteria met.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	313	3.06	0.0063
gruppe	2	63	11.40	<.0001
gruppe*tag	12	313	2.25	0.0097

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	313	8.95	0.0030
Tage 1 und 2	1	313	1.07	0.3028
Tage 1 und 3	1	313	3.61	0.0584
Tage 1 und 4	1	313	0.05	0.8233
Tage 1 und 5	1	313	0.06	0.8021
Tage 1 und 6	1	313	2.54	0.1120
Tage 1 und 7	1	313	2.05	0.1528
Tage 2 und 3	1	313	0.75	0.3880
Tage 2 und 4	1	313	1.54	0.2161
Tage 2 und 5	1	313	0.58	0.4470
Tage 2 und 6	1	313	6.72	0.0100
Tage 2 und 7	1	313	6.01	0.0148
Tage 3 und 4	1	313	4.40	0.0368
Tage 3 und 5	1	313	2.57	0.1098
Tage 3 und 6	1	313	11.89	0.0006
Tage 3 und 7	1	313	10.95	0.0010
Tage 4 und 5	1	313	0.21	0.6433
Tage 4 und 6	1	313	1.81	0.1790
Tage 4 und 7	1	313	1.39	0.2385
Tage 5 und 6	1	313	3.22	0.0735
Tage 5 und 7	1	313	2.70	0.1014
Tage 6 und 7	1	313	0.03	0.8555
Gruppe: FMS*KON	1	63	0.20	0.6540
Gruppe: FMS*URS	1	63	13.54	0.0005
Gruppe: KON*URS	1	63	18.30	<.0001
FMS/KON * Tag	1	313	1.31	0.2533
FMS/URS * Tag	1	313	1.34	0.2487
KON/URS * Tag	1	313	0.00	0.9569

Mixed Model Analyse: Cort (CS), 5. Messung

The Mixed Procedure

Model Information

Class Level Information

Class	Levels	Values
vpn	66	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 83 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
gruppe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	66
Max Obs Per Subject	7

Mixed Model Analyse: Cort (CS), 5. Messung

The Mixed Procedure

Number of Observations

Number of Observations Read	462
Number of Observations Used	391
Number of Observations Not Used	71

Null Model Likelihood Ratio Test

DF	Chi-Square	Pr > ChiSq
1	91.07	<.0001

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	307	2.54	0.0207
gruppe	2	63	15.86	<.0001
gruppe*tag	12	307	1.04	0.4142

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	307	0.12	0.7300
Tage 1 und 2	1	307	1.42	0.2348
Tage 1 und 3	1	307	8.30	0.0042
Tage 1 und 4	1	307	0.05	0.8251
Tage 1 und 5	1	307	3.67	0.0563
Tage 1 und 6	1	307	0.00	0.9622
Tage 1 und 7	1	307	0.36	0.5487
Tage 2 und 3	1	307	2.81	0.0946

The Mixed Procedure

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tage 2 und 4	1	307	1.88	0.1717
Tage 2 und 5	1	307	0.57	0.4527
Tage 2 und 6	1	307	1.22	0.2702
Tage 2 und 7	1	307	0.29	0.5889
Tage 3 und 4	1	307	9.10	0.0028
Tage 3 und 5	1	307	0.77	0.3805
Tage 3 und 6	1	307	7.57	0.0063
Tage 3 und 7	1	307	4.66	0.0317
Tage 4 und 5	1	307	4.38	0.0372
Tage 4 und 6	1	307	0.07	0.7934
Tage 4 und 7	1	307	0.65	0.4221
Tage 5 und 6	1	307	3.33	0.0689
Tage 5 und 7	1	307	1.60	0.2063
Tage 6 und 7	1	307	0.30	0.5874
Gruppe: FMS*KON	1	63	0.10	0.7488
Gruppe: FMS*URS	1	63	19.90	<.0001
Gruppe: KON*URS	1	63	24.53	<.0001
FMS/KON * Tag	1	307	0.04	0.8341
FMS/URS * Tag	1	307	0.56	0.4562
KON/URS * Tag	1	307	0.32	0.5711

Anhang 7

Zeitliche Ausreißerwerte bei der Cortisolmessung

Inhalt Anhang 7

A Deskriptive Statistik zeitliche Ausreißerwerte
B Absolute Zeit der Probenentnahme – Untersuchung von Einflussfaktoren

A Deskriptive Statistik zeitliche Ausreißerwerte

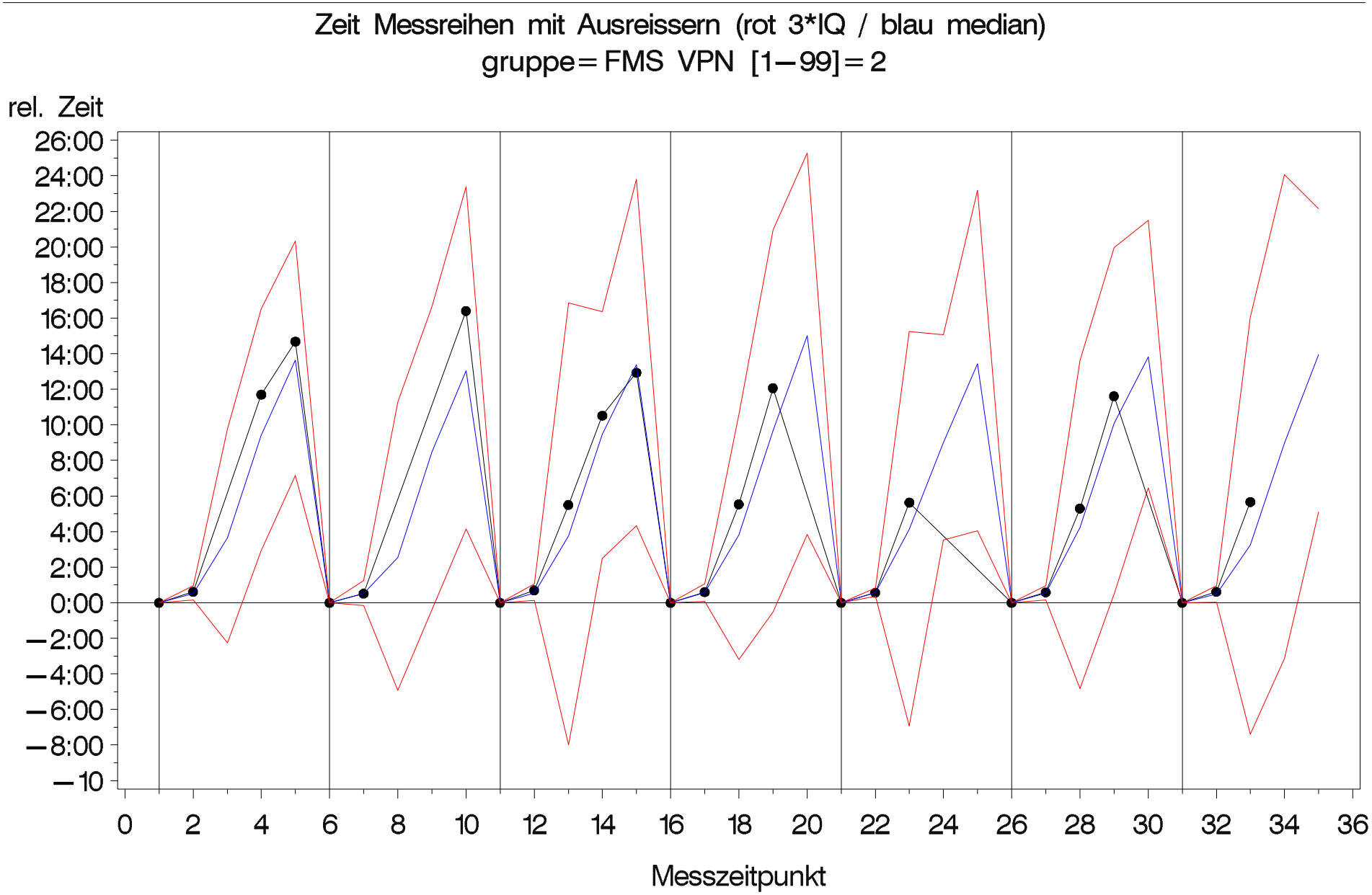
Identifikation der Probanden (Pbn) mit Zeit – Ausreißerwerten (Berechnungsgrundlage: relative Zeitwerte): alle Zeiten unterhalb Q1-3*IQA bzw. oberhalb Q3+3*IQA getrennte Analyse pro Stichproben.

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Cortisolwert [nmol/l]	Q1-3*IQA	Q3+3*IQA	Zeit, rel. [hh:min]
URS	27	42/m	1	5	4.9	11:25:00	20:59:00	11:03
	27		4	2	26.7	-0:08:30	1:15:30	5:58
	32	50/w	2	2	18.3	-0:02:00	1:15:00	1:30
	32		3	2	15.5	0:10:00	0:52:00	00:55
	34	28/m	5	2	7.50	-0:05:00	1:12:00	1:31
	34		6	2	1.10	0:14:00	0:49:00	1:06
	34		7	2	18.60	-0:03:00	1:14:00	3:27
	45	40/m	2	2	0.23	-0:02:00	1:15:00	1:26
	45		3	2	0.30	0:10:00	0:52:00	1:31
	45		4	2	0.28	-0:08:30	1:15:30	4:58
	45		5	2	0.25	-00:05:00	1:12:00	2:19
	48	48/w	1	2	28.11	0:13:00	0:55:00	7:18
	48		1	3	5.15	-0:25:00	12:46:00	13:48
	48		1	4	2.03	5:35:00	16:08:30	18:27
	48		1	5	0.36	11:25:00	20:59:00	21:24
FMS	25	37/w	1	2	12.40	0:09:00	0:58:00	1:25
	25		5	2	21.20	0:21:00	0:49:00	1:29
	74	59/w	4	2	3.94	0:04:30	1:04:00	1:19
	86	32/w	1	2	23.78	0:09:00	0:58:00	1:13
	87	59/w	2	2	14.0	-0:10:0	1:14:00	2:06
	87		4	2	23.98	0:04:30	1:04:00	2:00
KON	66	42/m	2	2	9.29	0:07:00	0:56:00	1:19
	68	41/w	5	2	8.75	0:05:00	1:01:00	1:03
	69	44/m	4	2	32.38	-0:20:00	1:39:00	2:16
	81	51/w	2	2	7.65	0:07:00	0:56:00	3:22
	84	42/w	4	2	29.59	-0:20:00	1:39:00	1:46
	84		7	2	23.03	0:06:00	1:02:00	1:33

Identifikation der Probanden (Pbn) mit Zeit - Ausreißerwerten (Berechnungsgrundlage: relative Zeitwerte): alle Zeiten unterhalb Q1-3*IQA bzw. oberhalb Q3+3*IQA. Bestimmung Ausreißer über alle Stichproben und Tage.

Stichprobe	Code Pb	Alter / Sex	Tag	MZP	Cortisolwert [nmol/l]	Q1-3*IQA	Q3+3*IQA	Zeit, rel. [hh:min]
URS	6	62/w	2	2	7.40	0:02:00	1:05:00	1:12
	27	42/m	4	2	26.70.	0:02:00	1:05:00	5:58
	32	50/w	2	2	18.30	0:02:00	1:05:00	1:30
	34	28/m	2	2	23.80	0:02:00	1:05:00	1:09
	34		5	2	7.50	0:02:00	1:05:00	1:31
	34		6	2	1.10	0:02:00	1:05:00	1:06
	34		7	2	18.60	0:02:00	1:05:00	3:27
	45	40/m	3	2	0.30	0:02:00	1:05:00	1:31
	45		2	2	0.23	0:02:00	1:05:00	1:26
	45		4	2	0.28	0:02:00	1:05:00	4:58
	45		5	2	0.25	0:02:00	1:05:00	2:19
	48	48/w	1	2	28.11	0:02:00	1:05:00	7:18
	49	66/w	4	2	10.42	0:02:00	1:05:00	1:08
FMS	25	37/2	1	2	12.40	0:02:00	1:05:00	1:25
	25		5	2	21.20	0:02:00	1:05:00	1:29
	74	59/w	4	2	3.94	0:02:00	1:05:00	1:19
	86	32/w	1	2	23.78	0:02:00	1:05:00	1:13
	87	59/w	2	2	14.00	0:02:00	1:05:00	2:06
	87		4	2	23.98	0:02:00	1:05:00	2:00
KON	66	42/m	2	2	9.29	0:02:00	1:05:00	1:19
	69	44/m	4	2	32.38	0:02:00	1:05:00	2:16
	81	51/w	2	2	7.65	0:02:00	1:05:00	3:22
	84	42/w	4	2	29.59	0:02:00	1:05:00	1:46
	84		7	2	23.03	0:02:00	1:05:00	1:33

B Abbildung zeitlicher Ausreißerwerte


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 2
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
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12
14
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18
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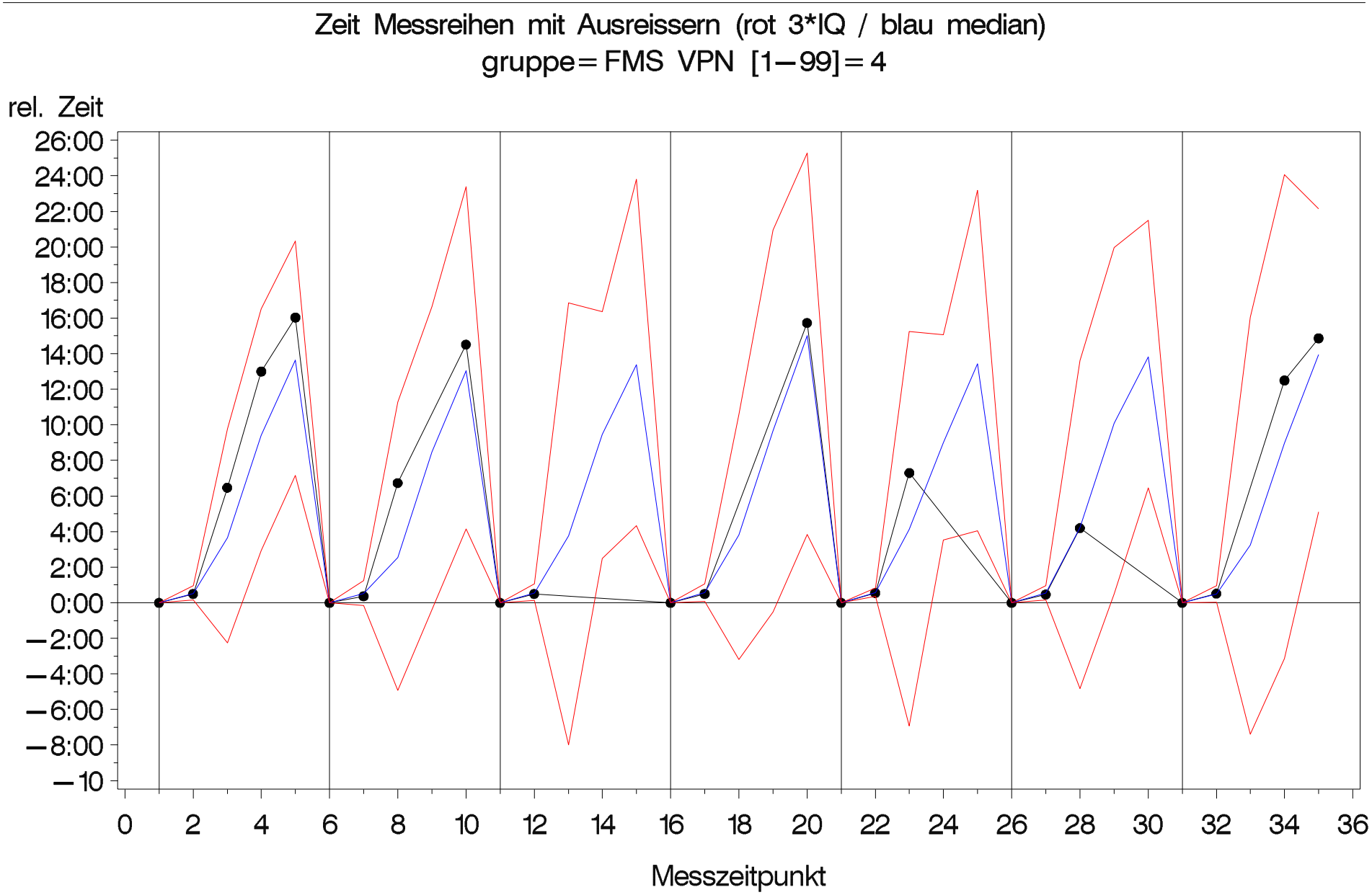
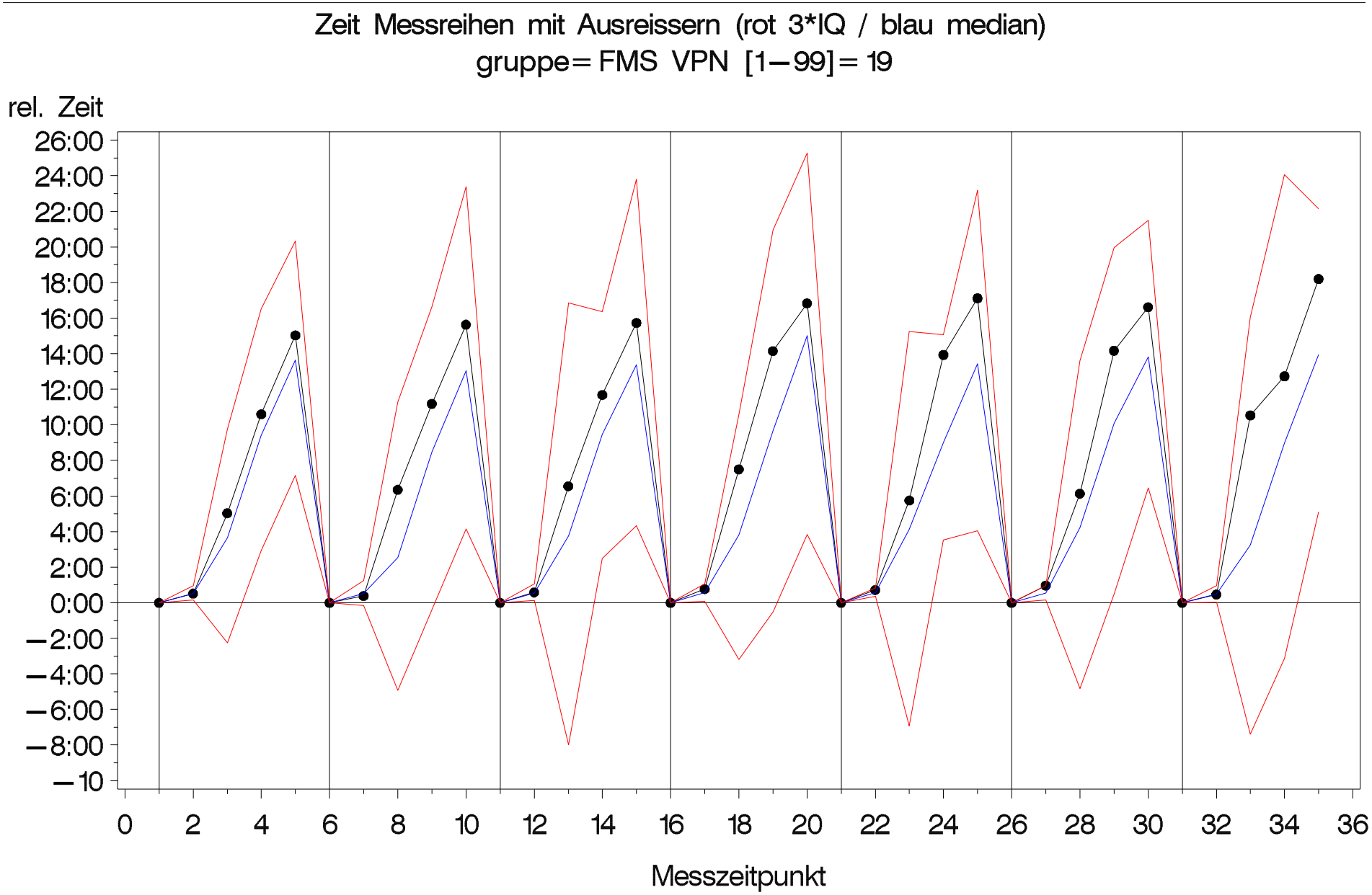
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 4
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 19
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
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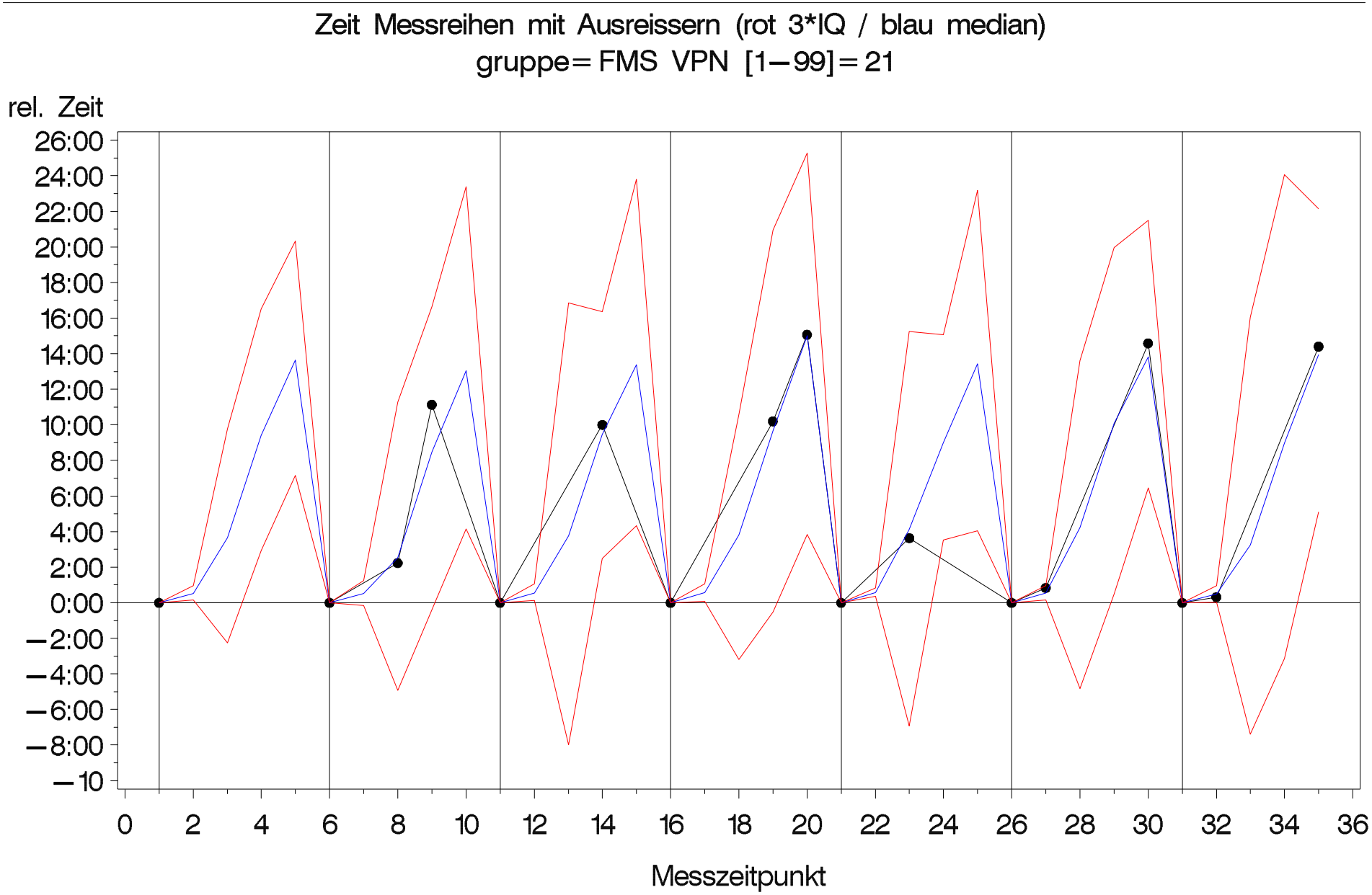
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 21
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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12
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16
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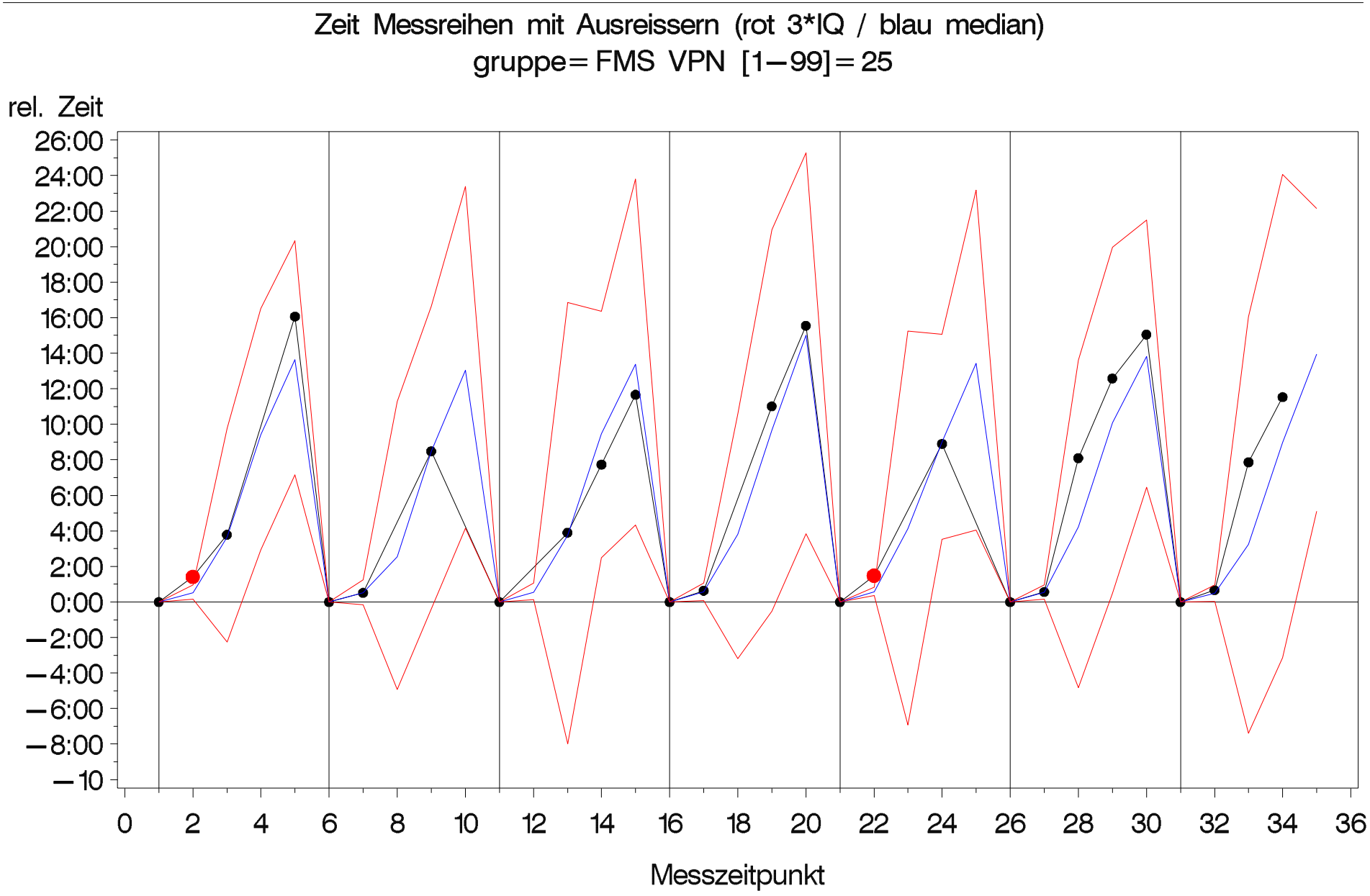
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 25
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
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12
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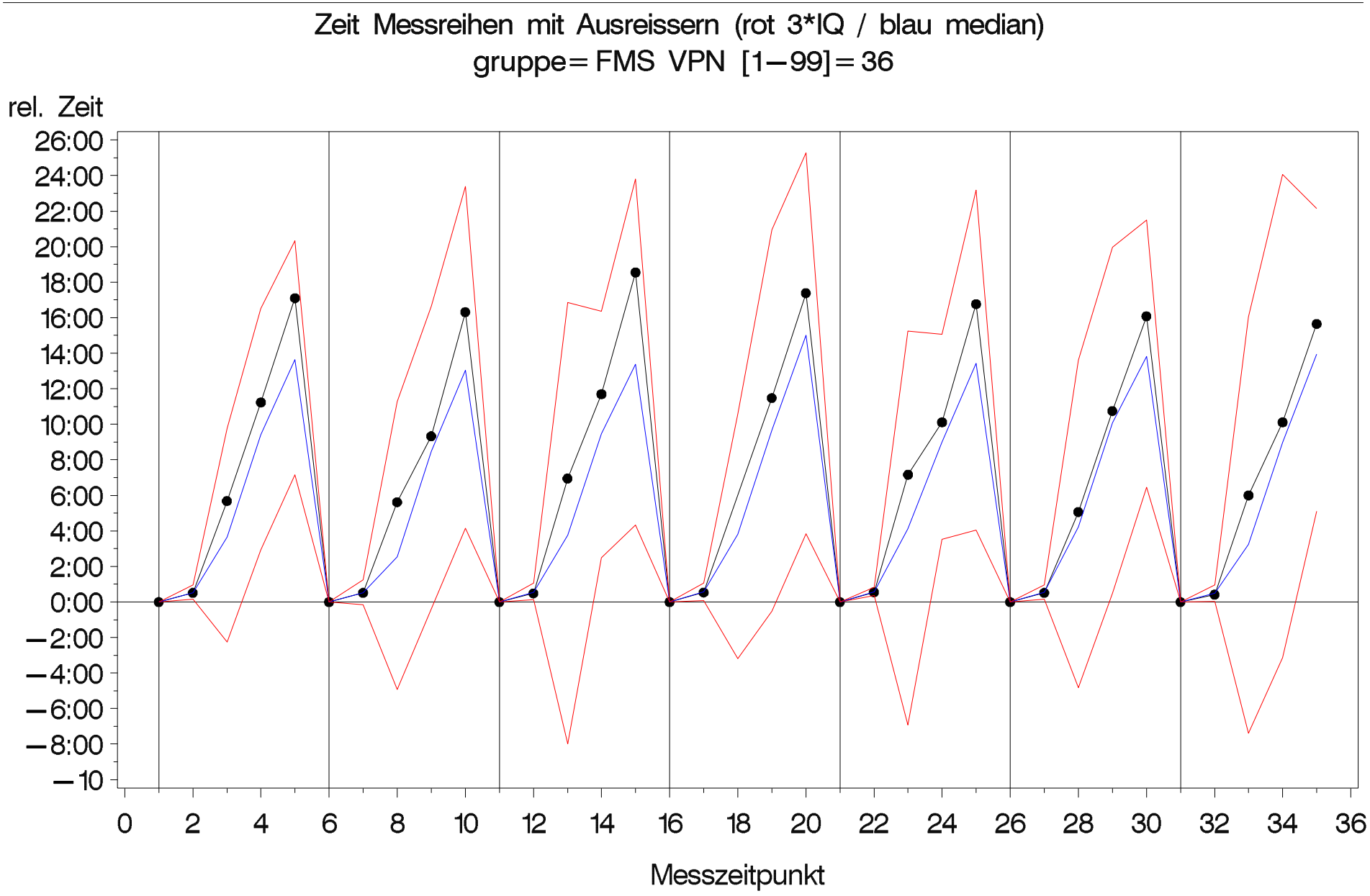
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 36
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
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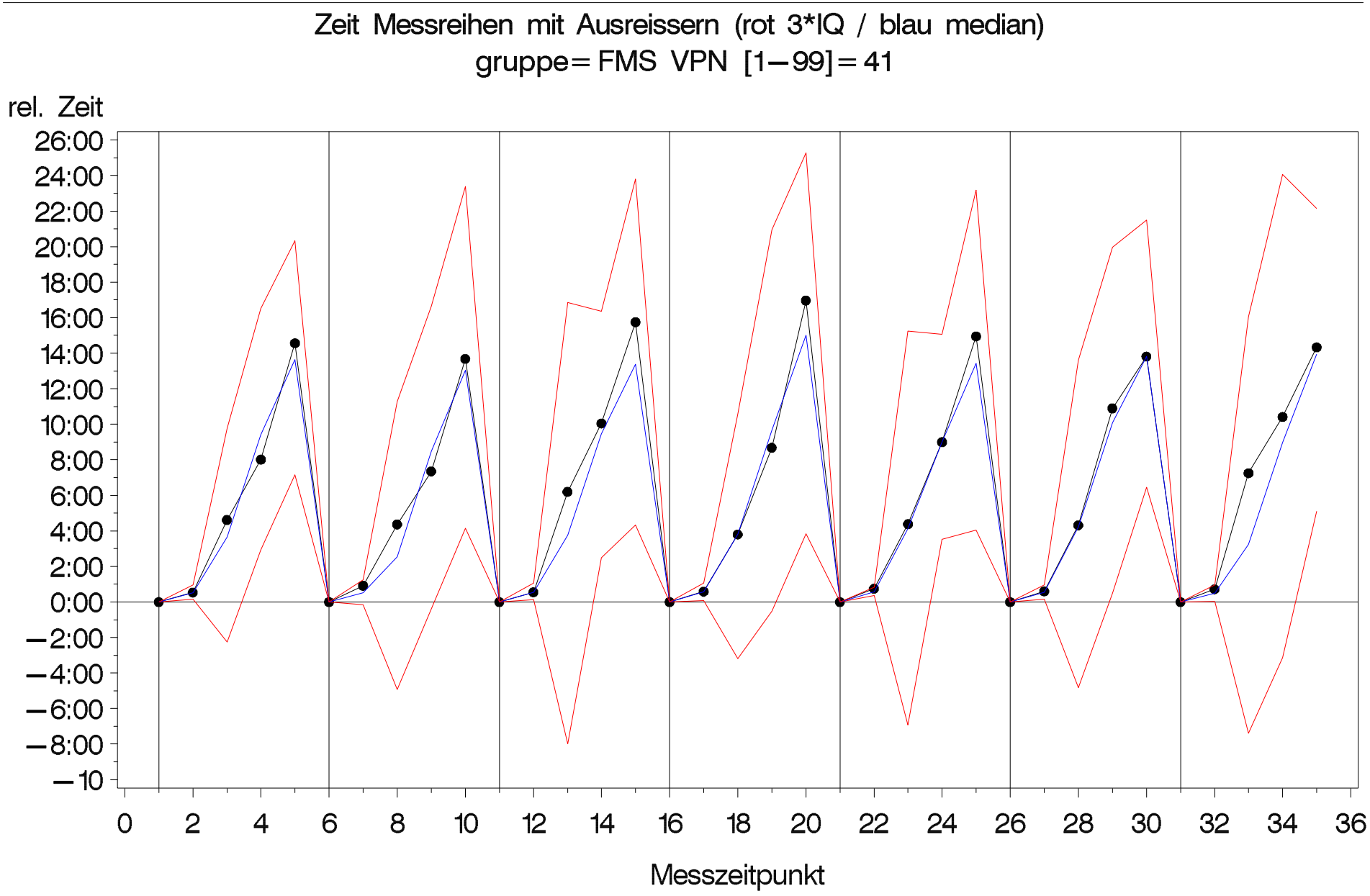
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 41
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
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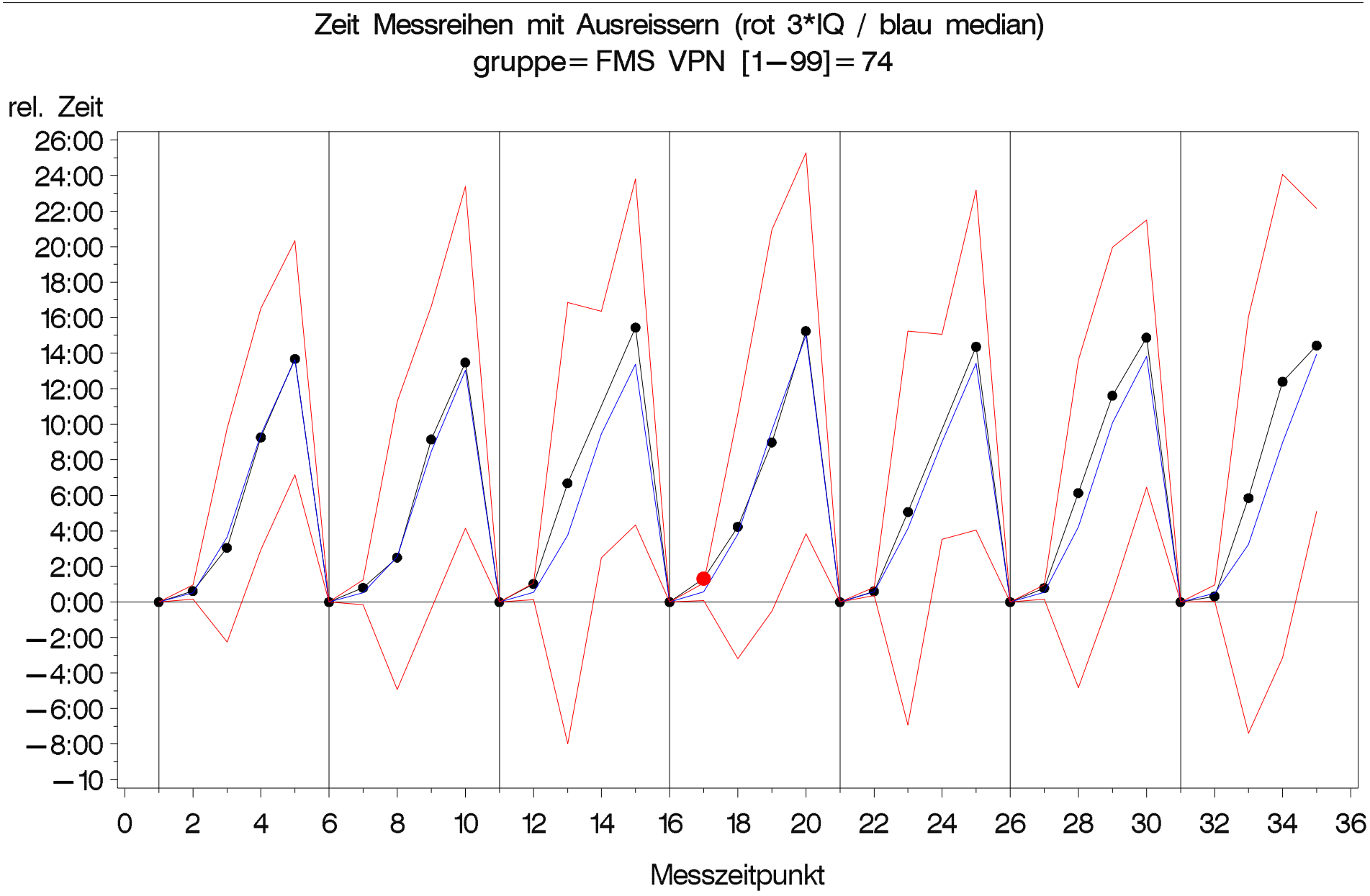
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 74
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
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−8:00
−10
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28
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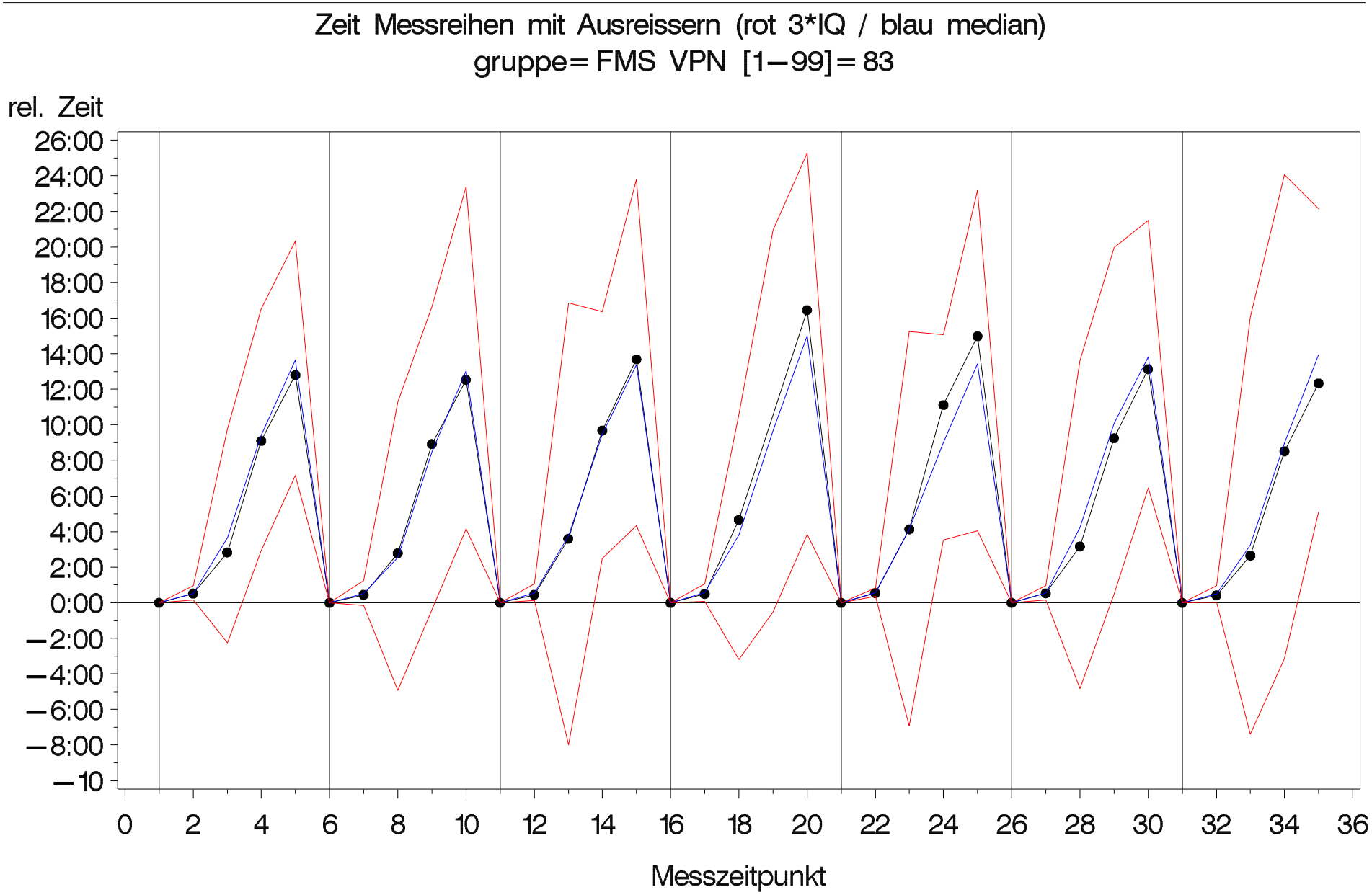
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 83
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
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−8:00
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26
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32
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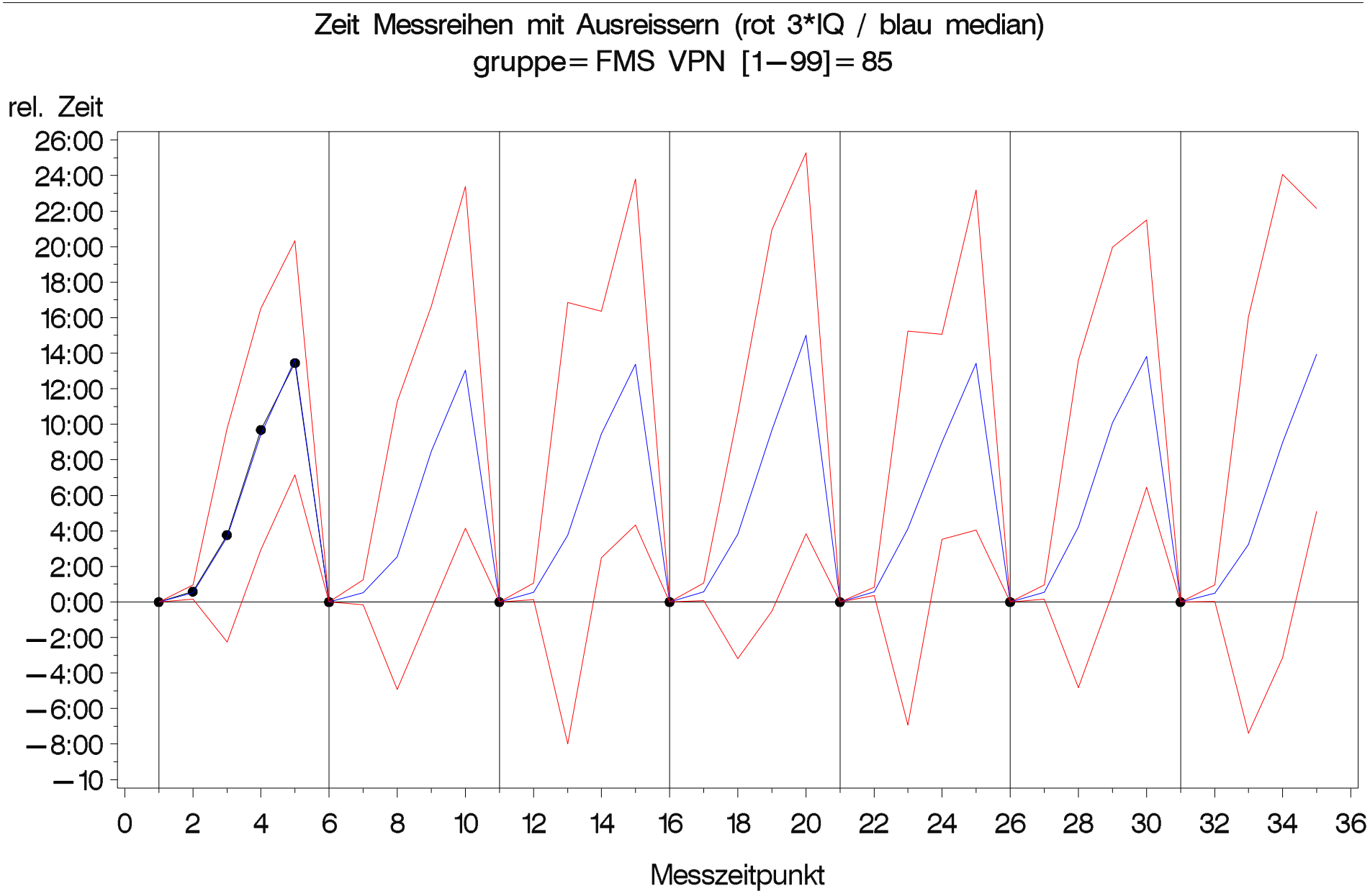
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 85
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
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−10
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32
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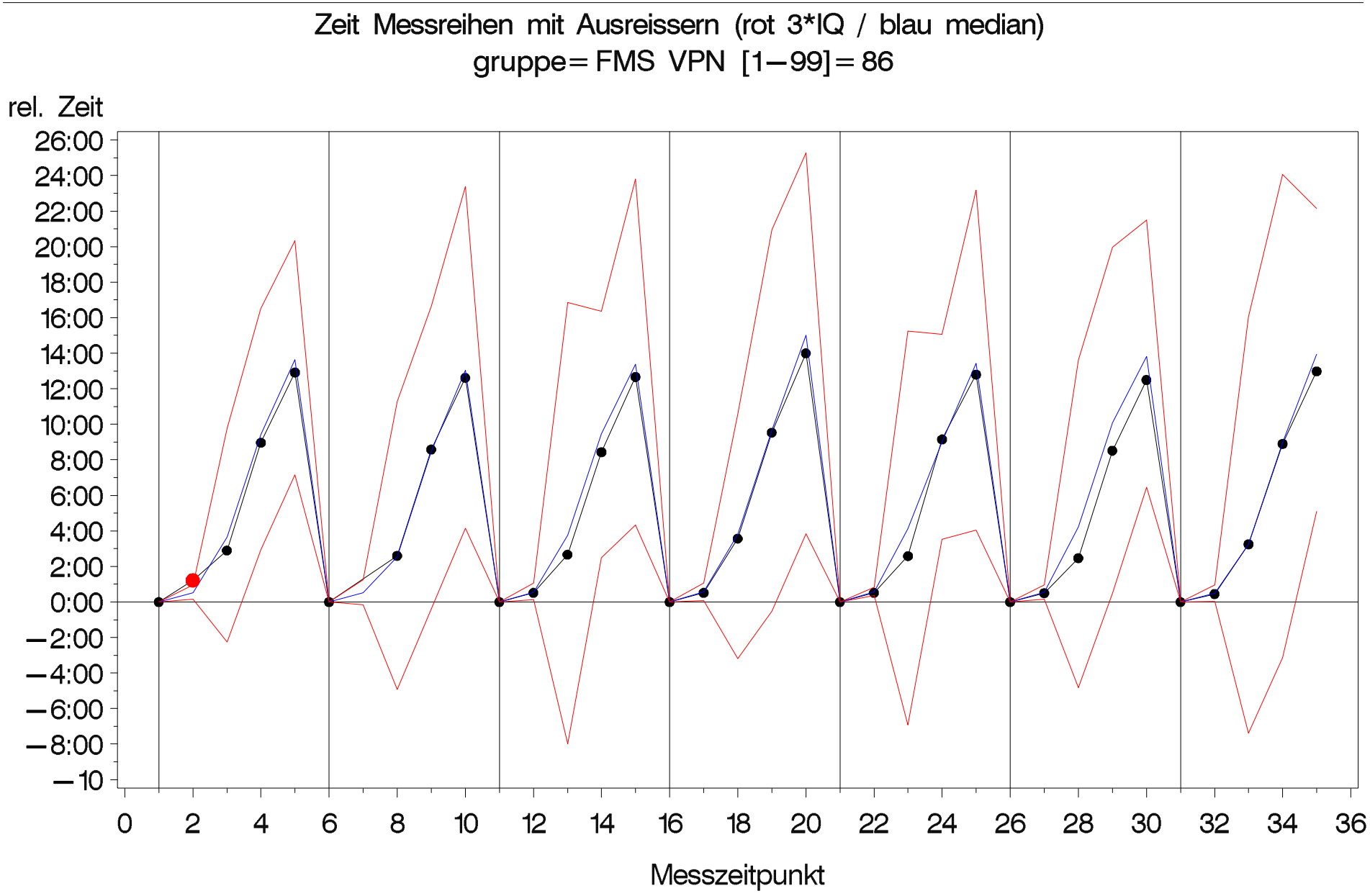
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 86
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
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−8:00
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26
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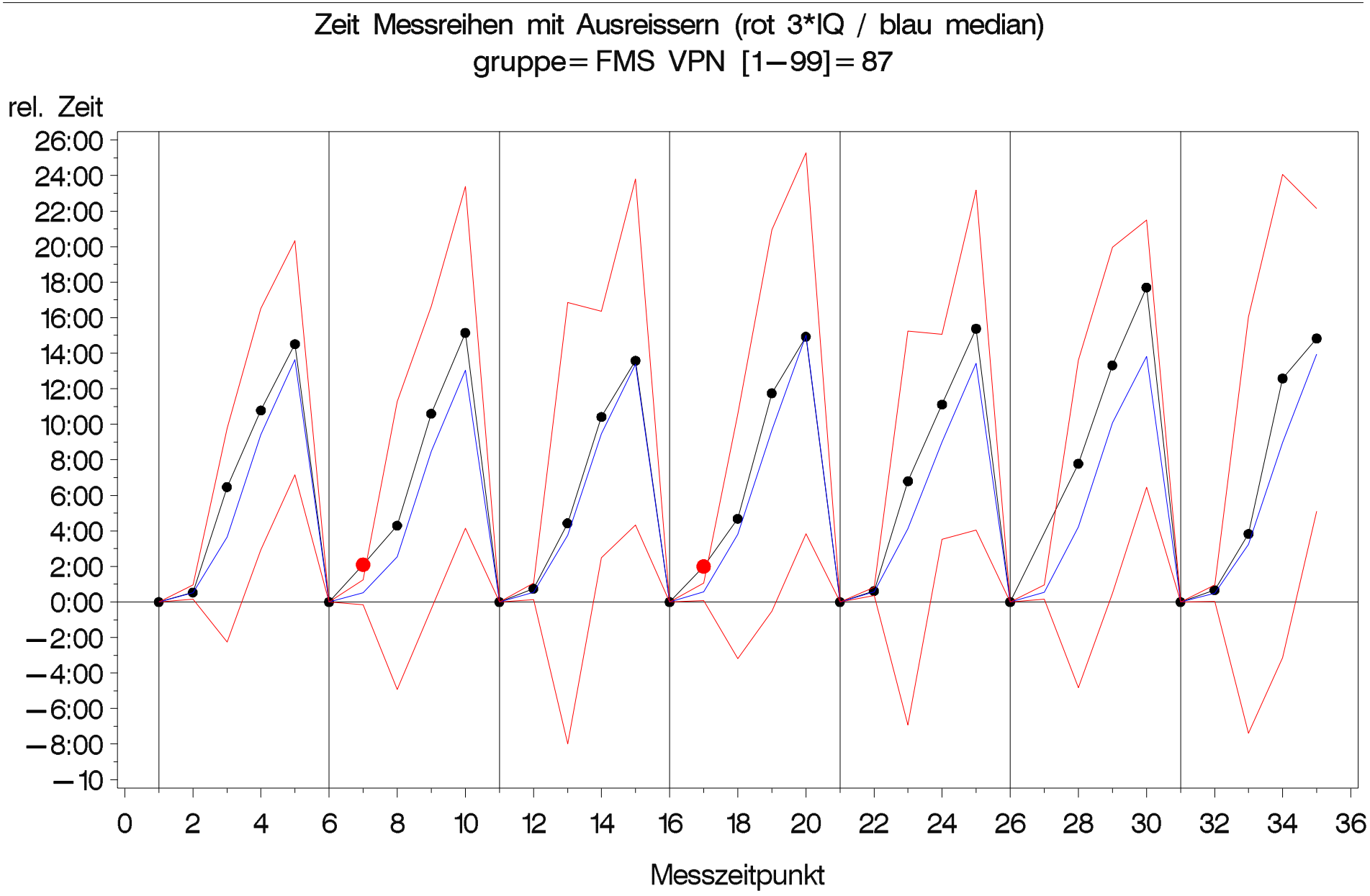
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 87
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
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−10
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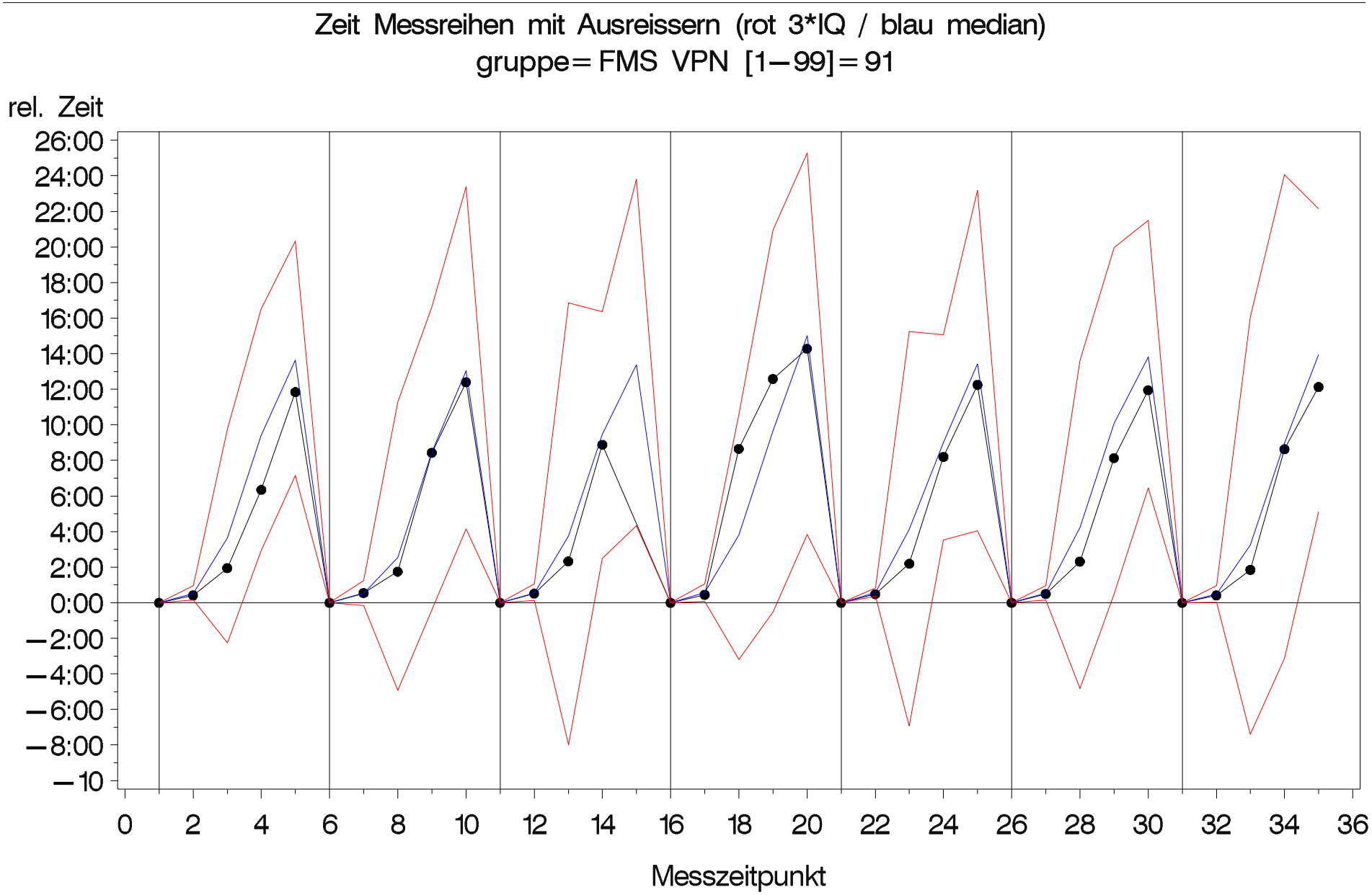
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 91
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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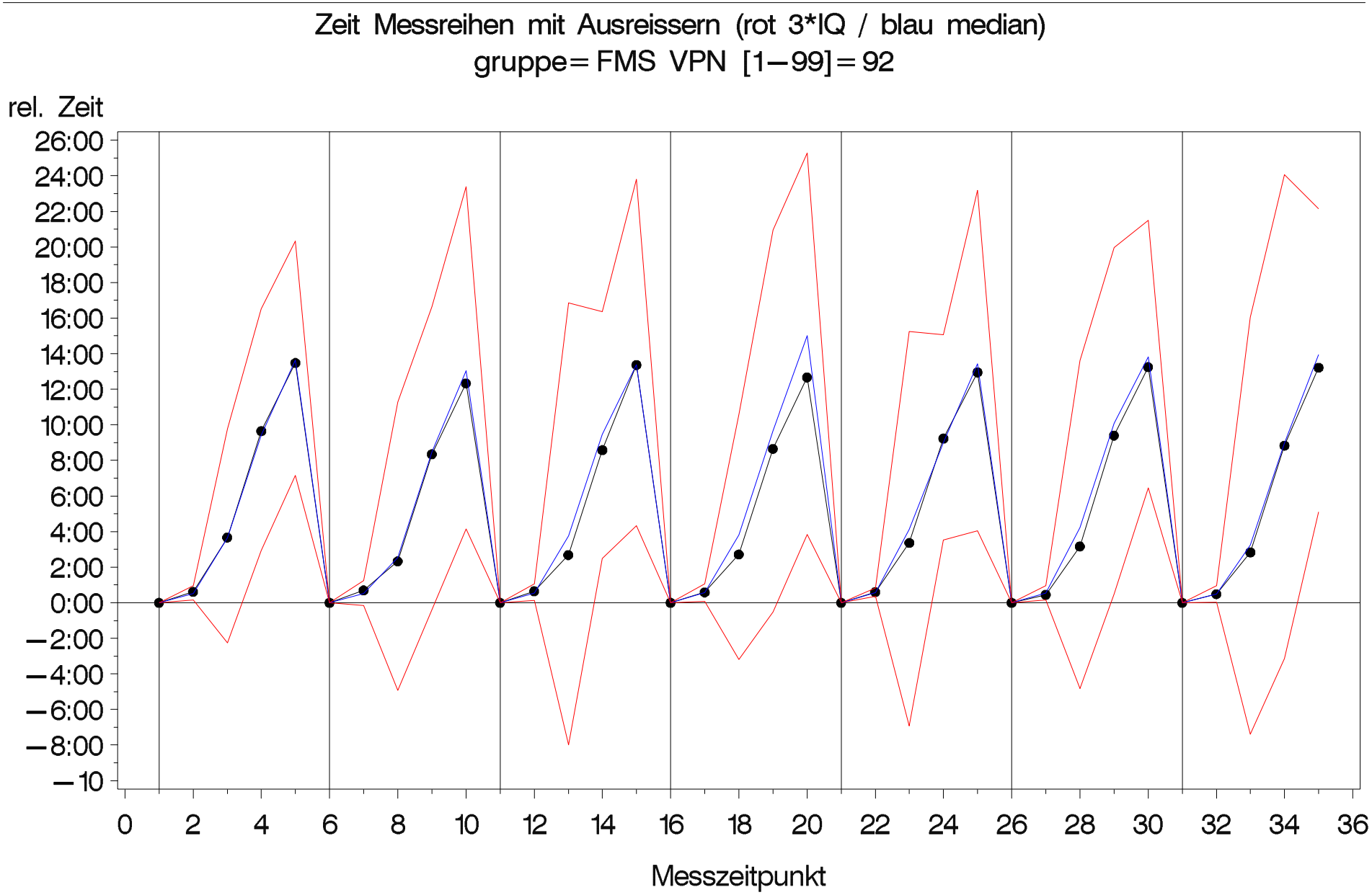
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 92
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
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−10
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16
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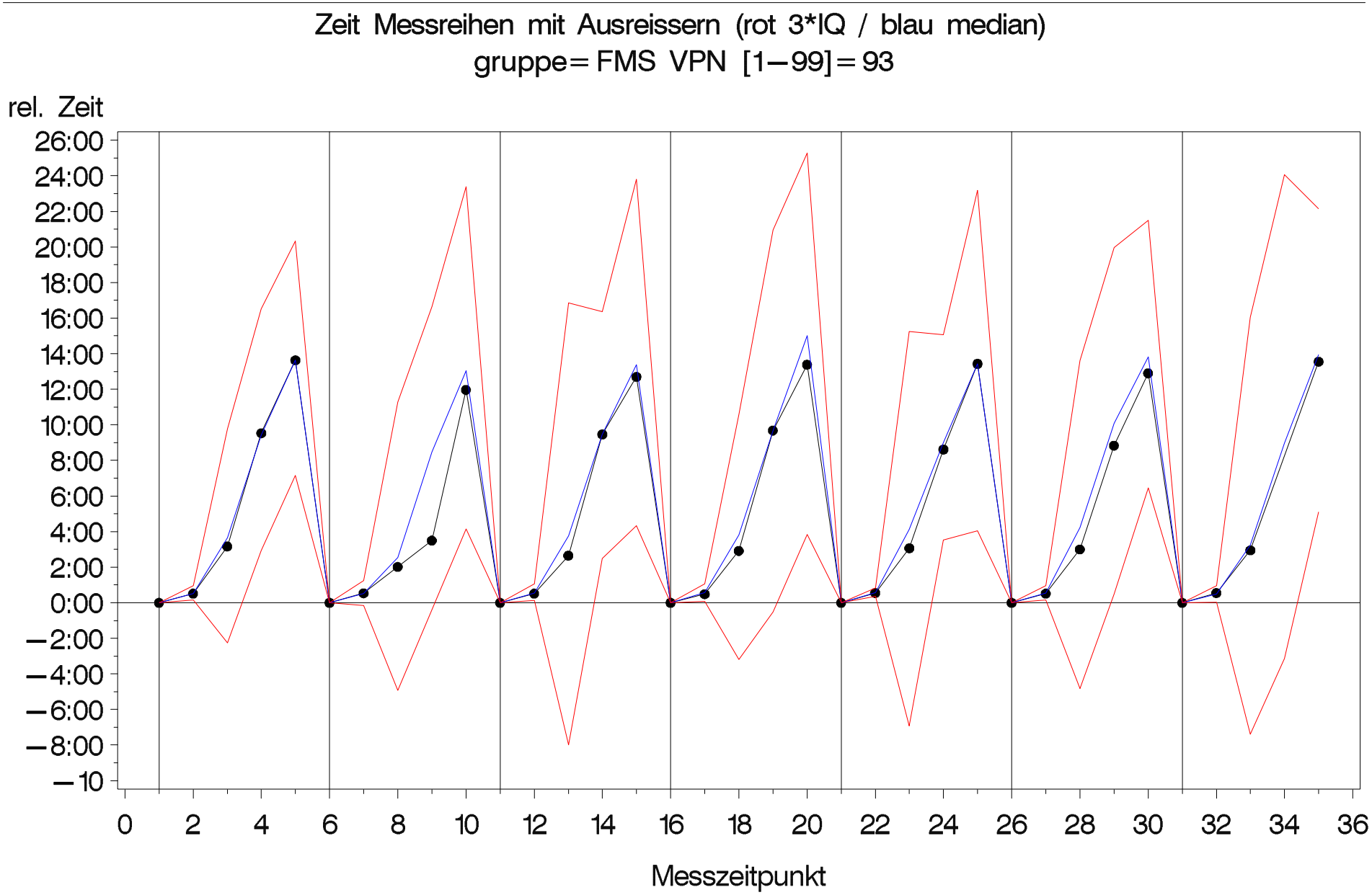
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 93
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
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−10
0
2
4
6
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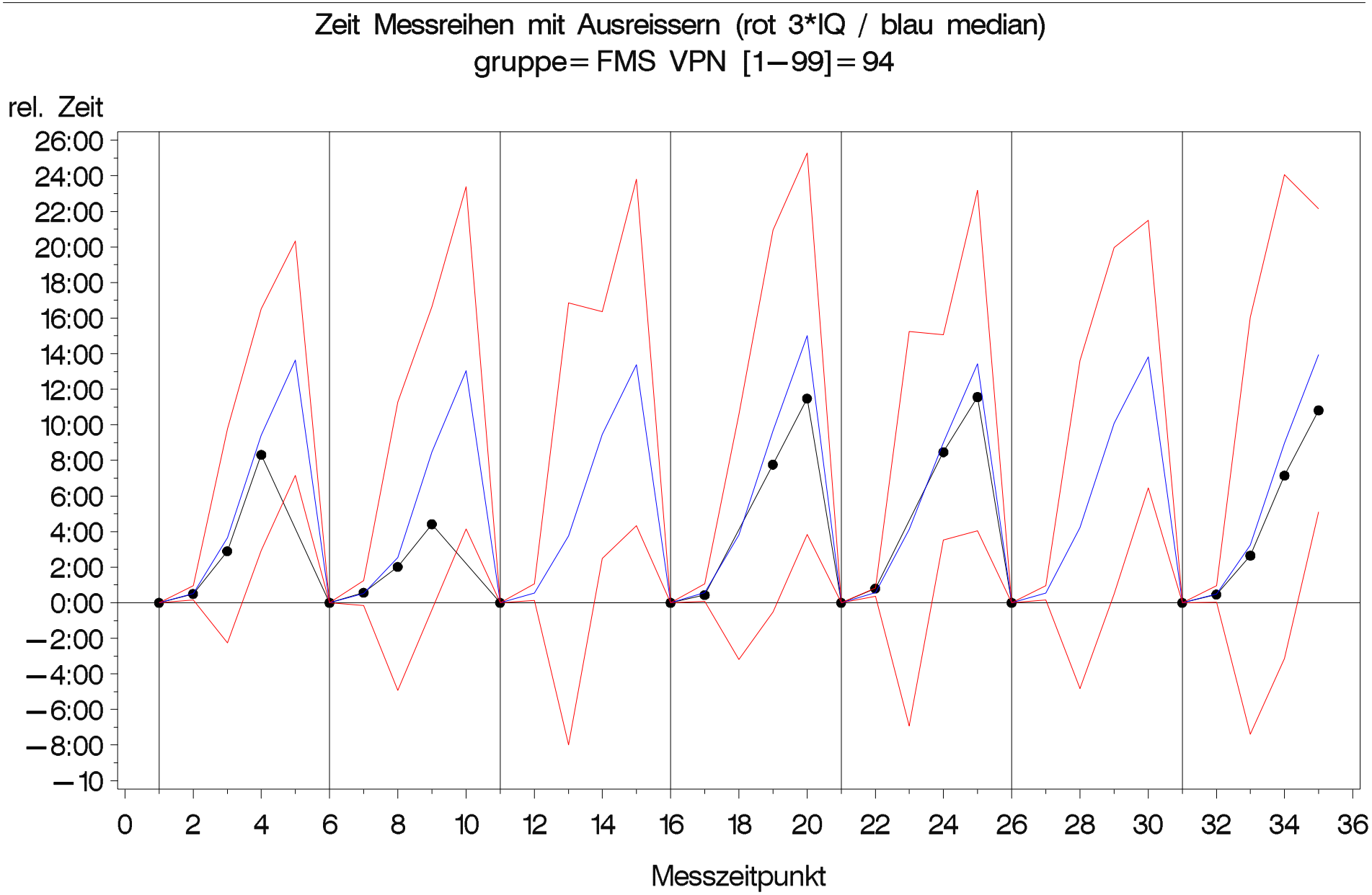
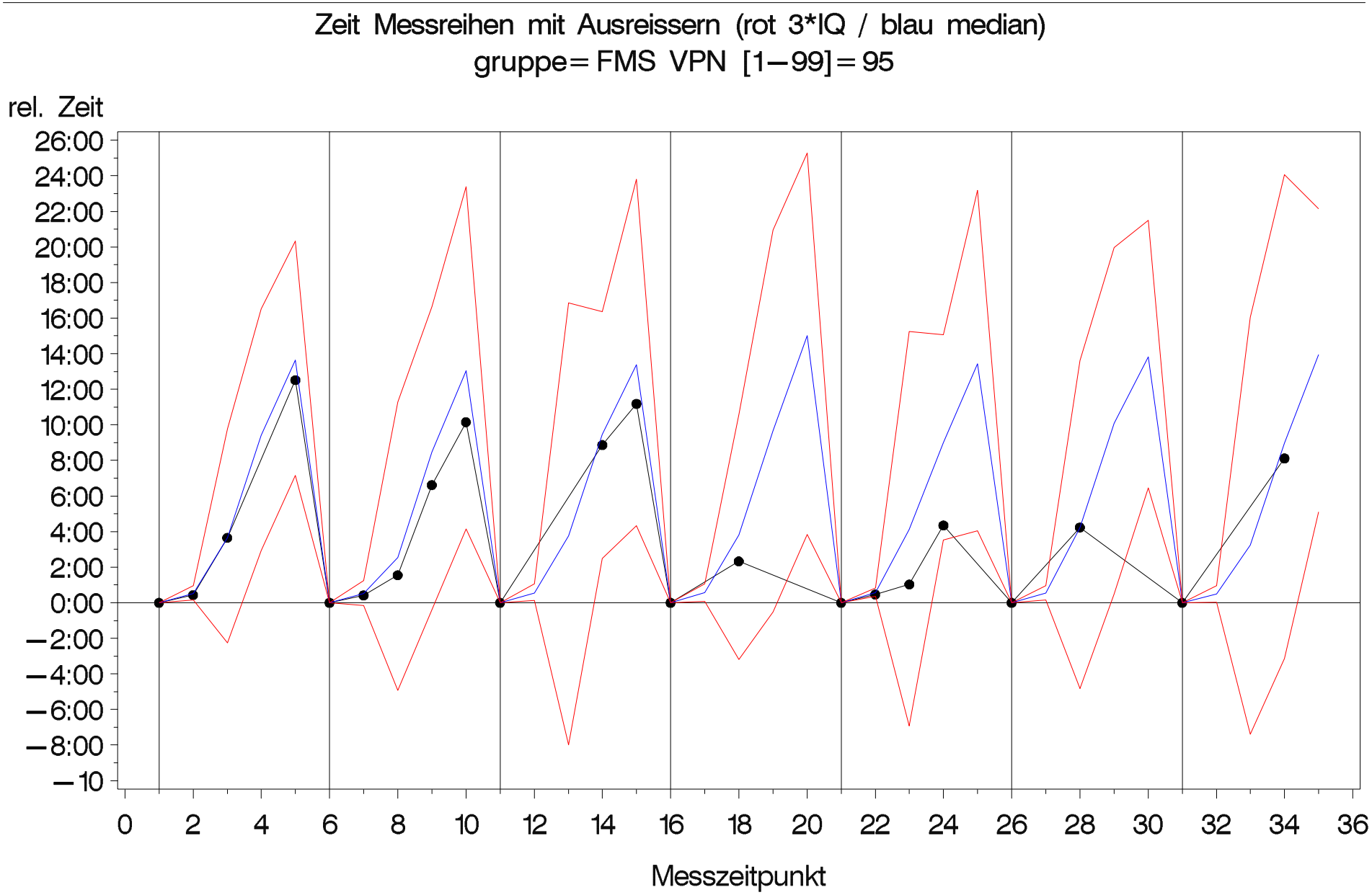
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 94
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 95
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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4
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12
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22
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26
28
30
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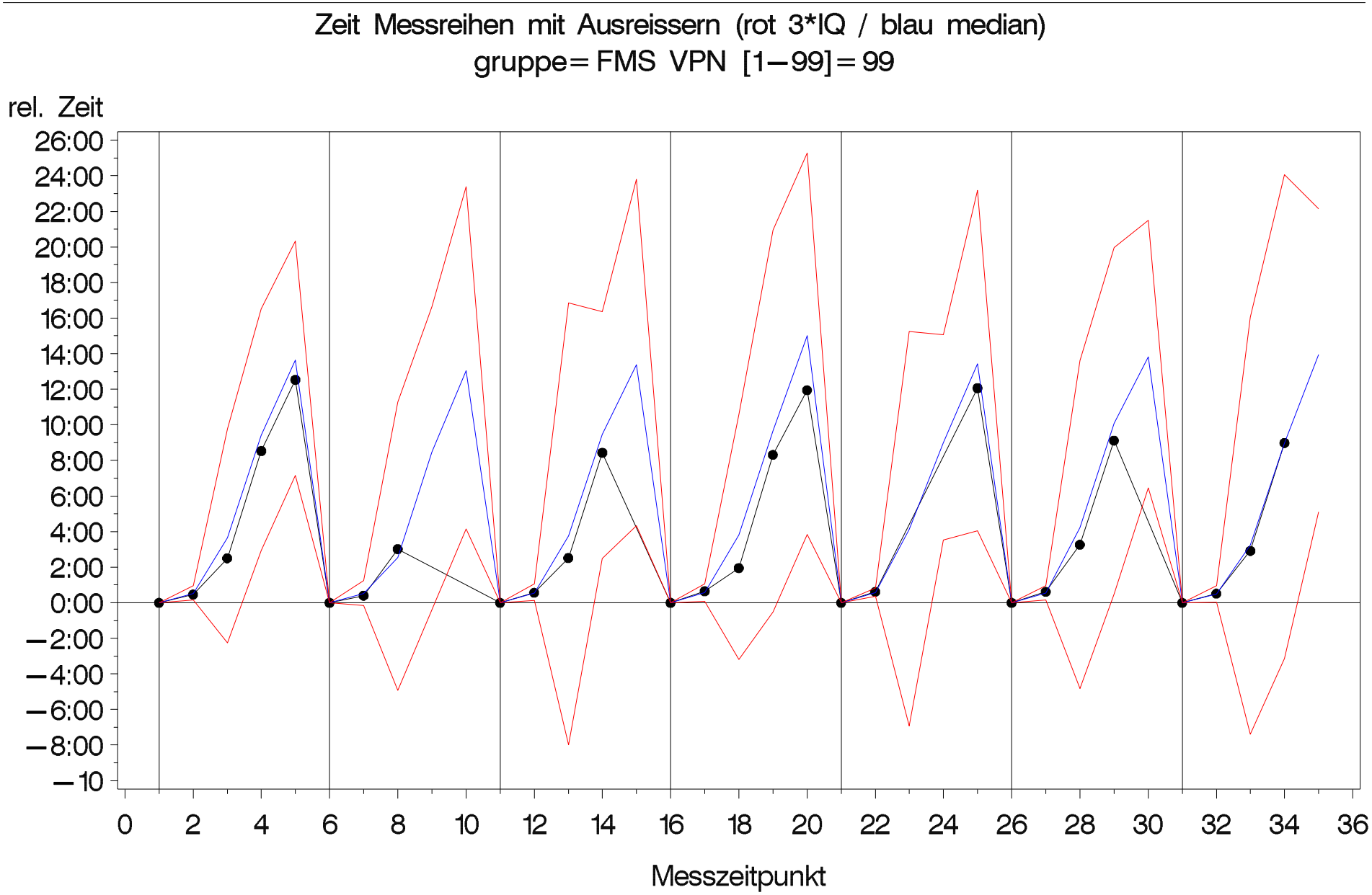
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 99
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
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10
12
14
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20
22
24
26
28
30
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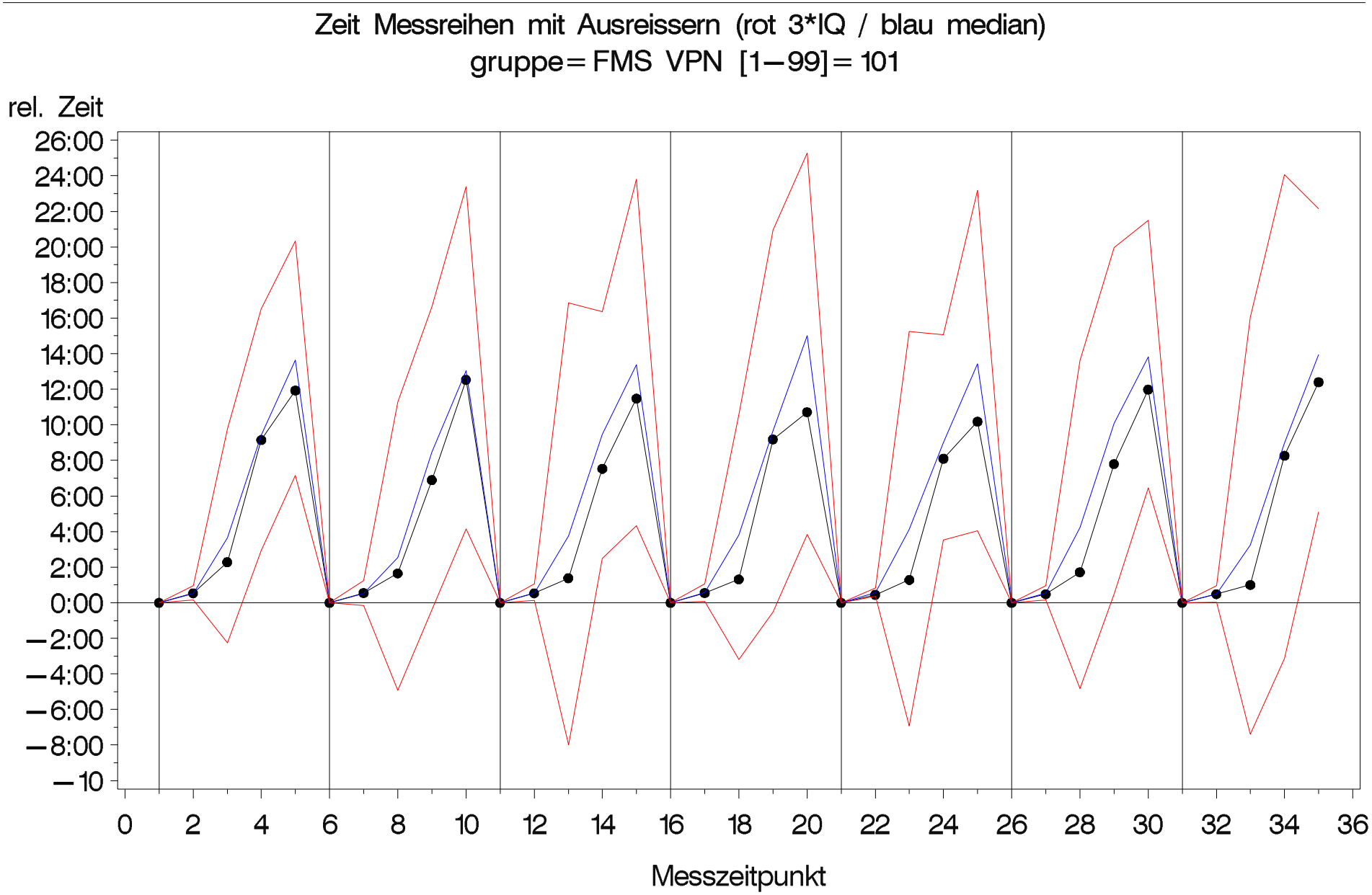
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= FMS VPN [1−99]= 101
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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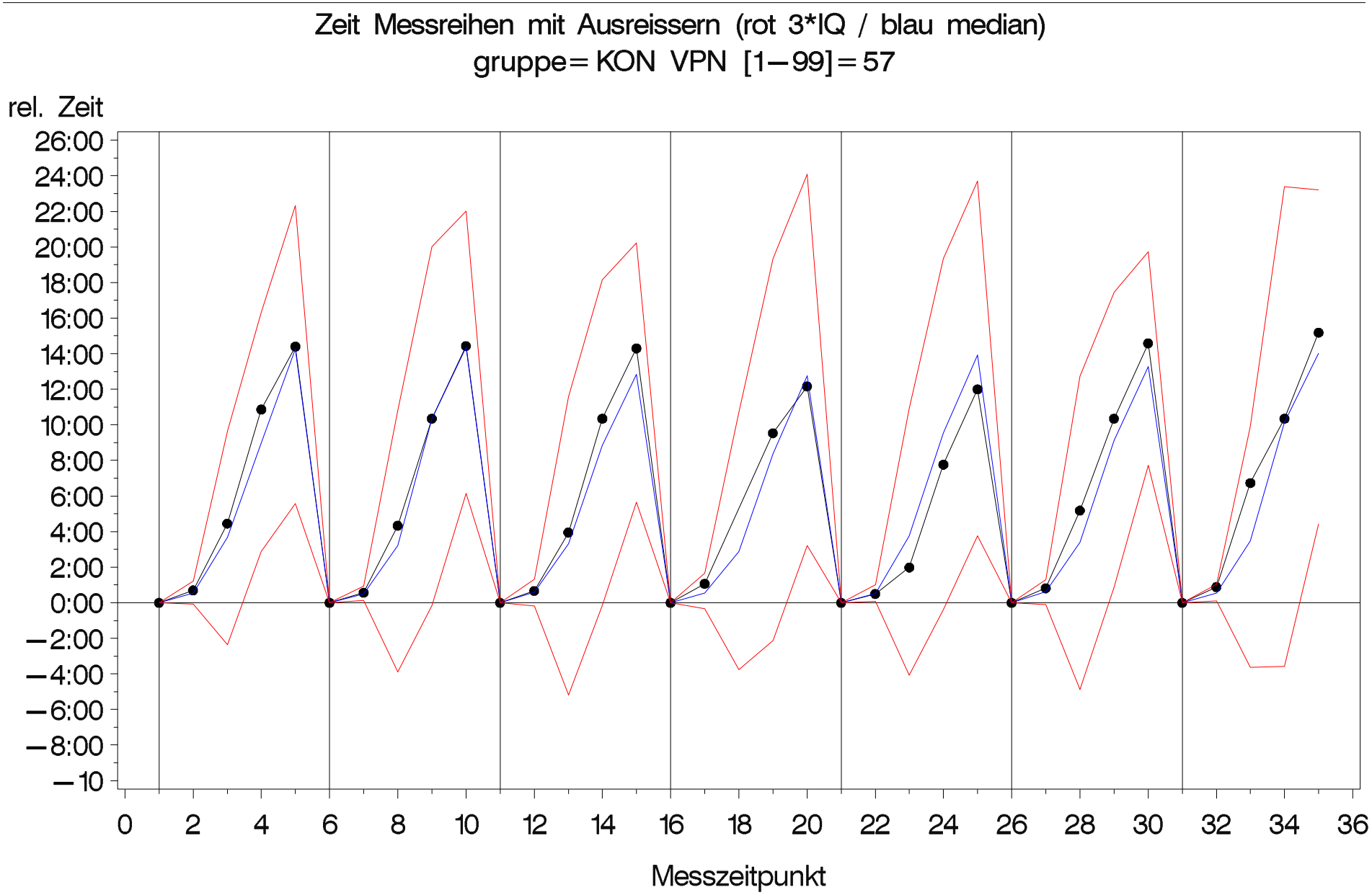
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 57
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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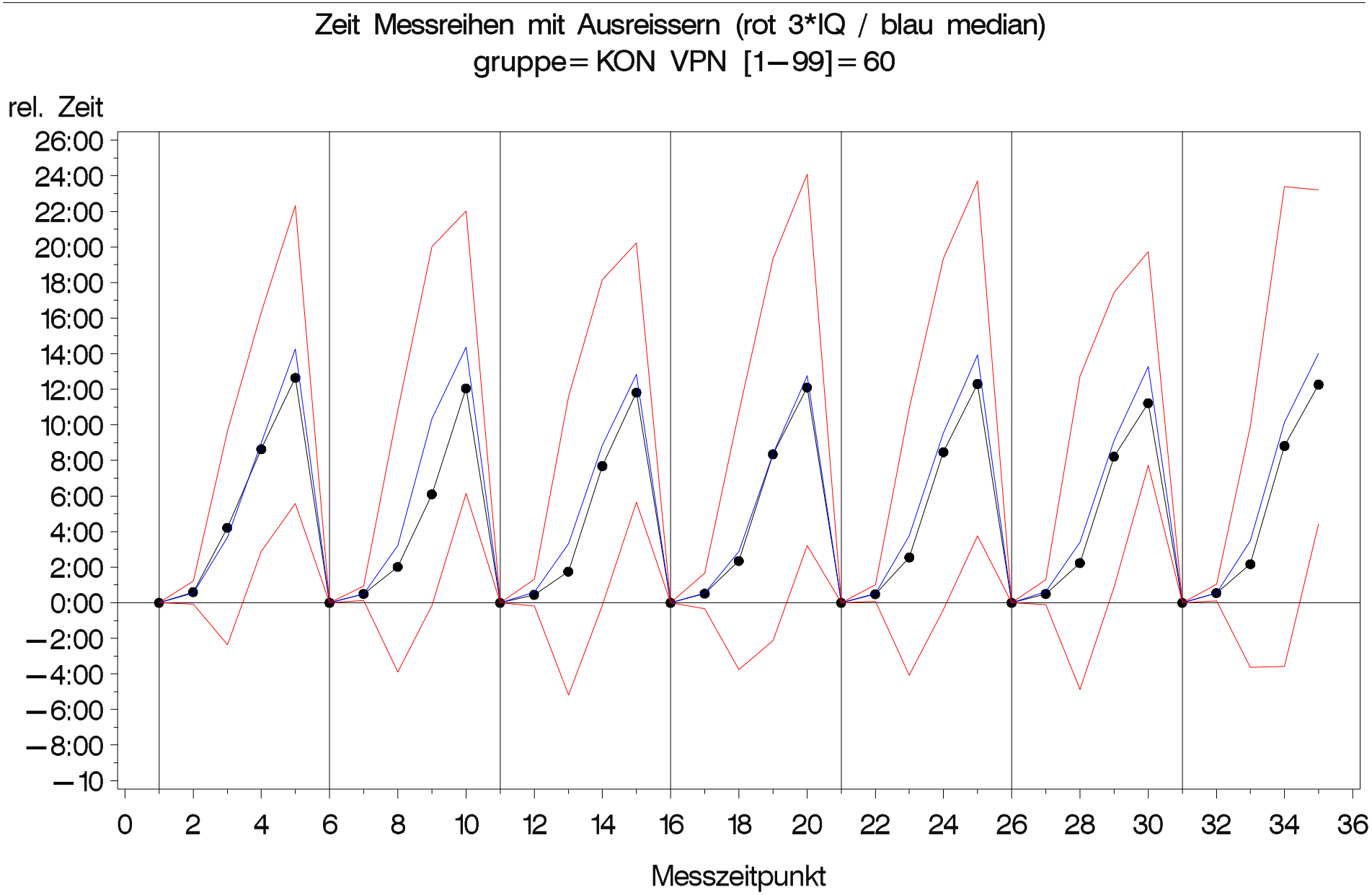
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 60
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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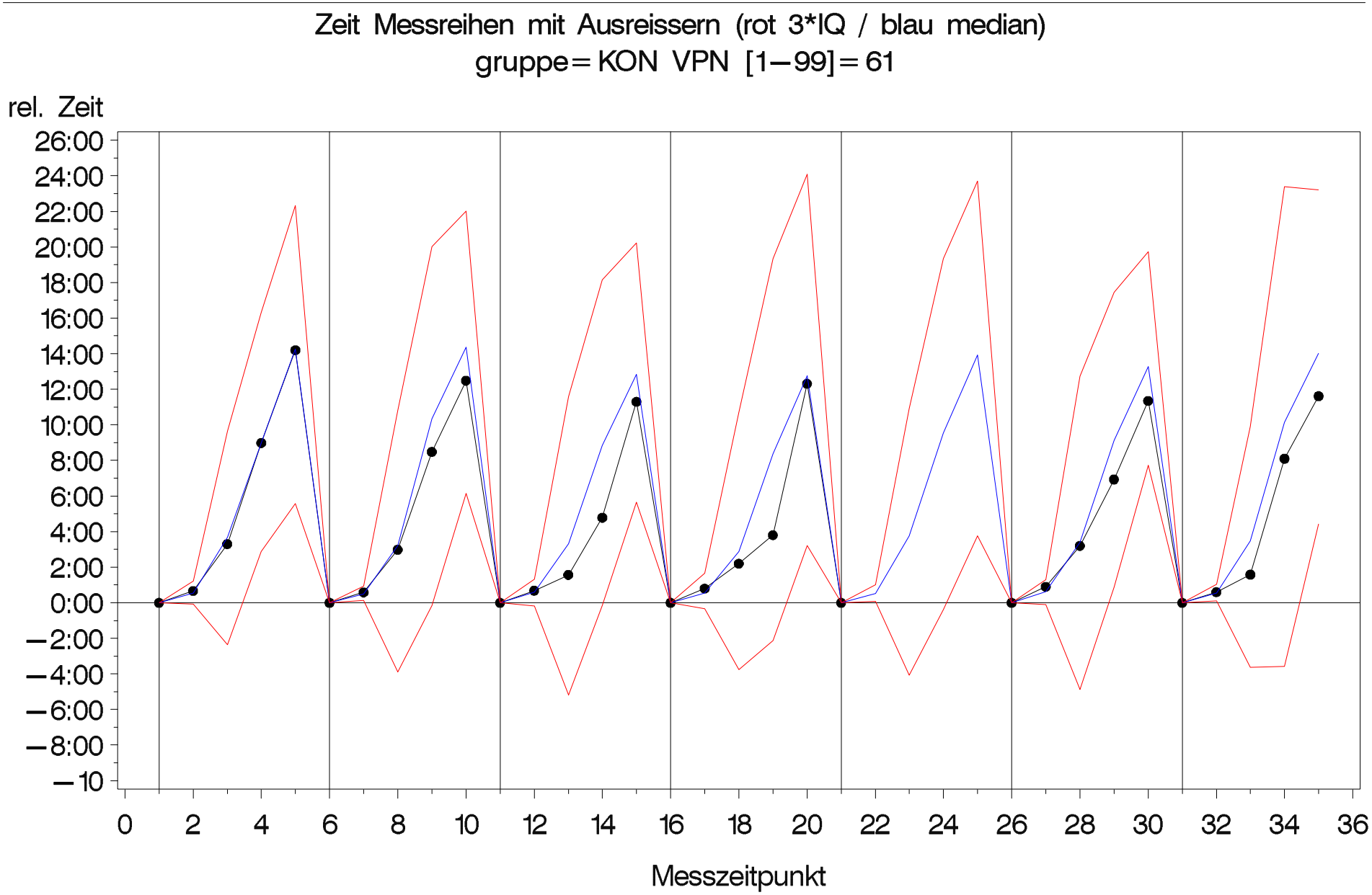
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1–99]= 61
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
–2:00
–4:00
–6:00
–8:00
–10
0
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22
24
26
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34
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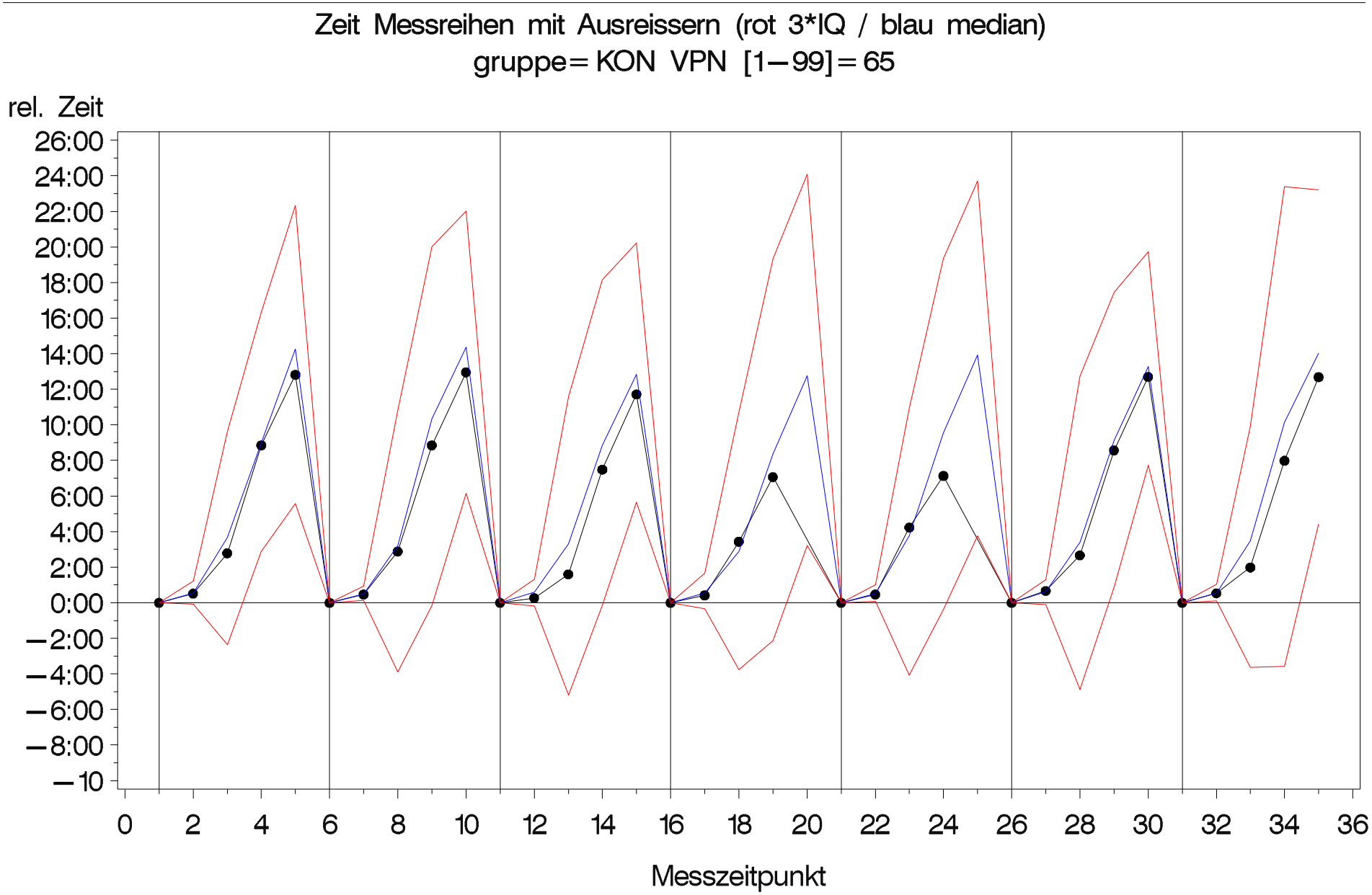
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1—99] = 65
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
—2:00
—4:00
—6:00
—8:00
—10
0
2
4
6
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12
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22
24
26
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34
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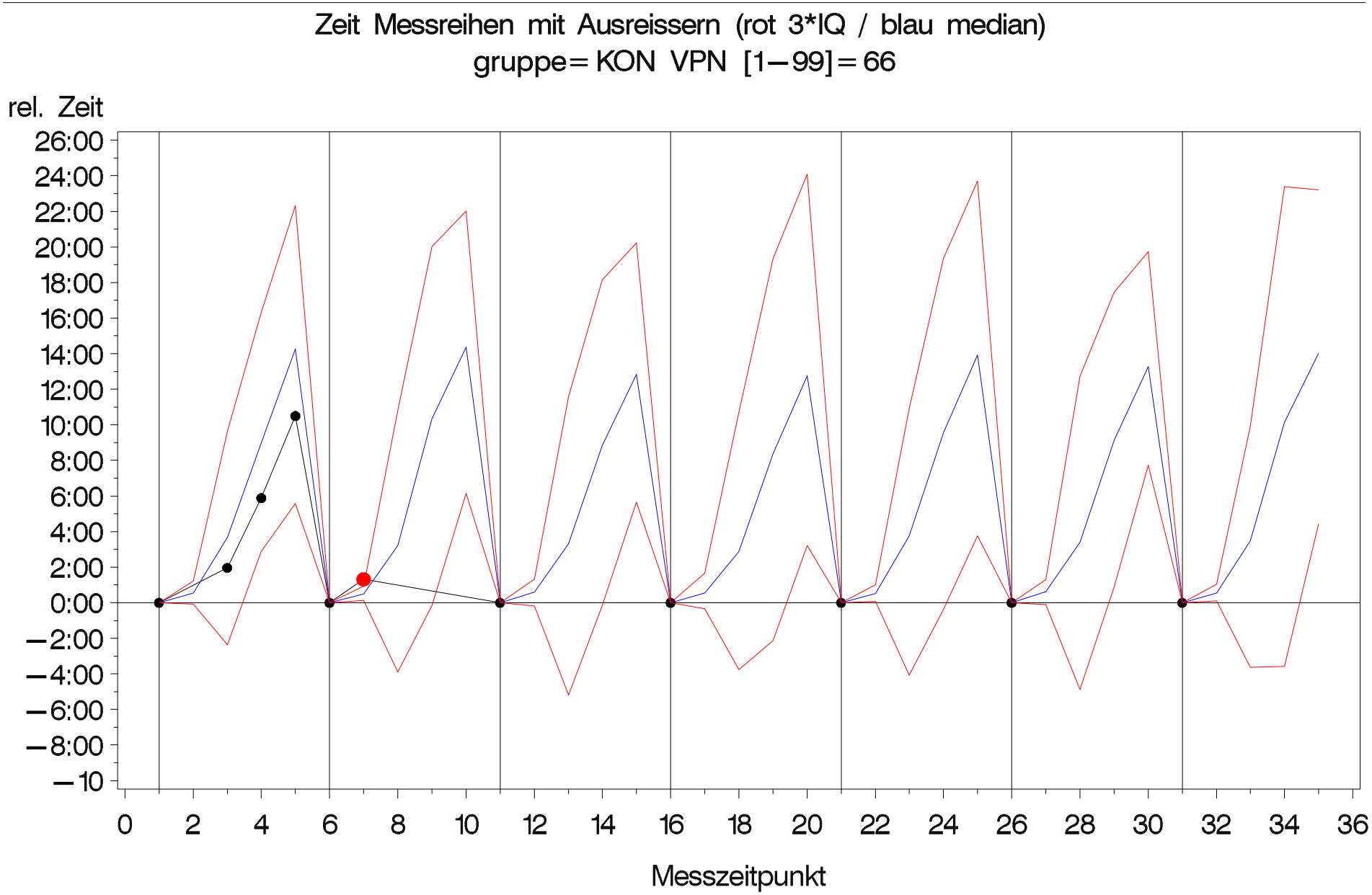
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 66
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−2:00
−4:00
−6:00
−8:00
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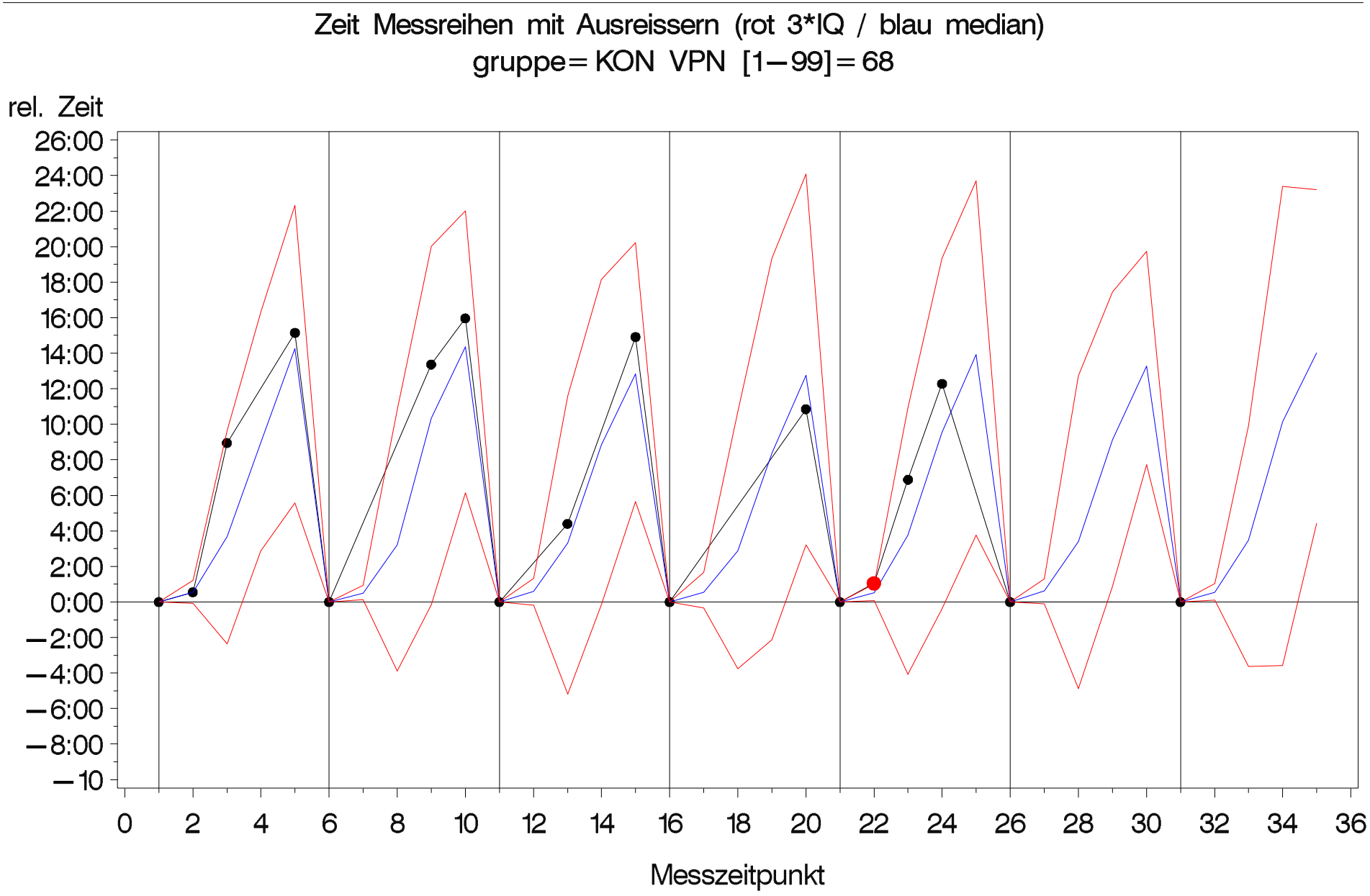
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 68
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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12
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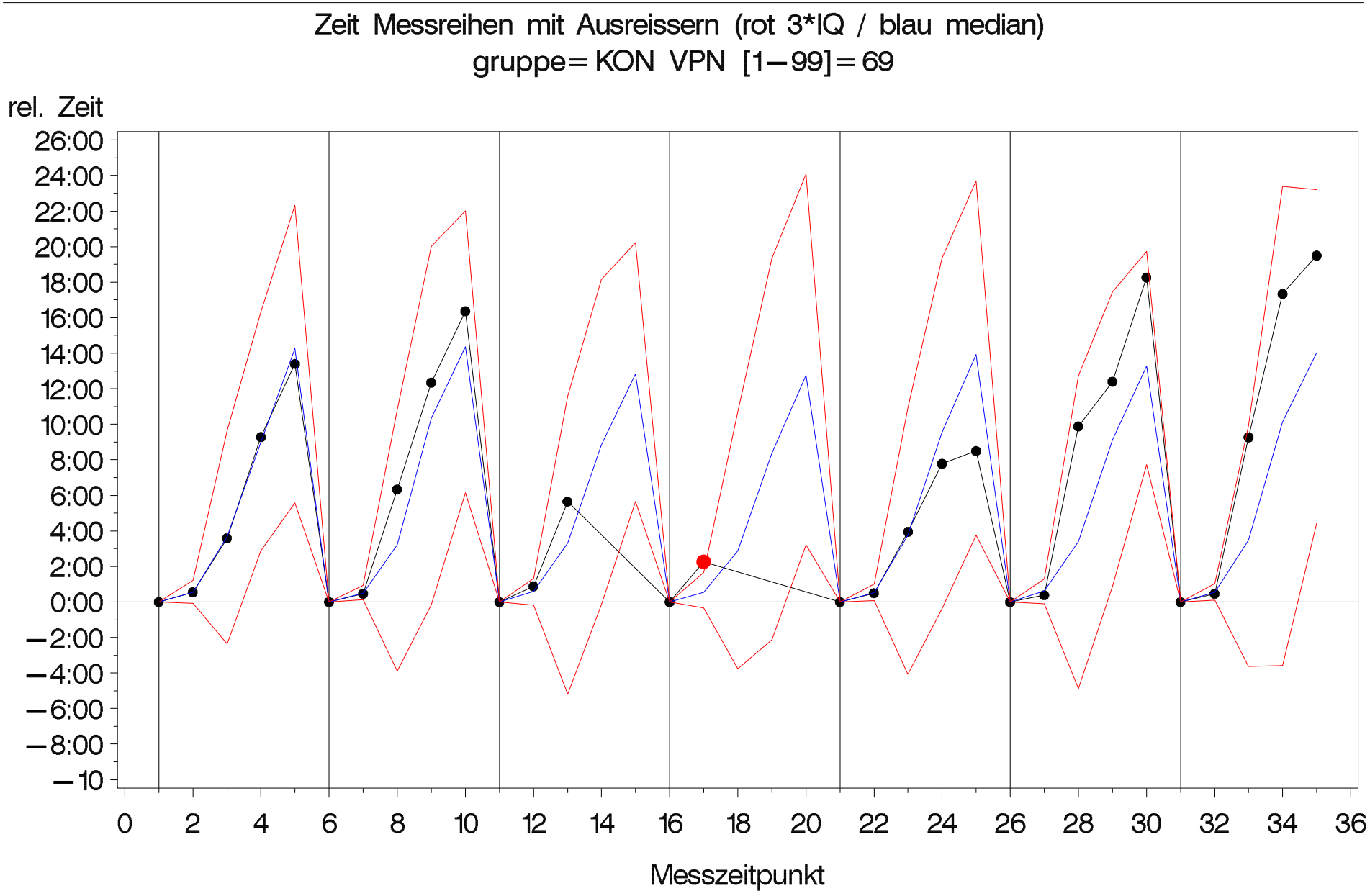
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 69
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−2:00
−4:00
−6:00
−8:00
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12
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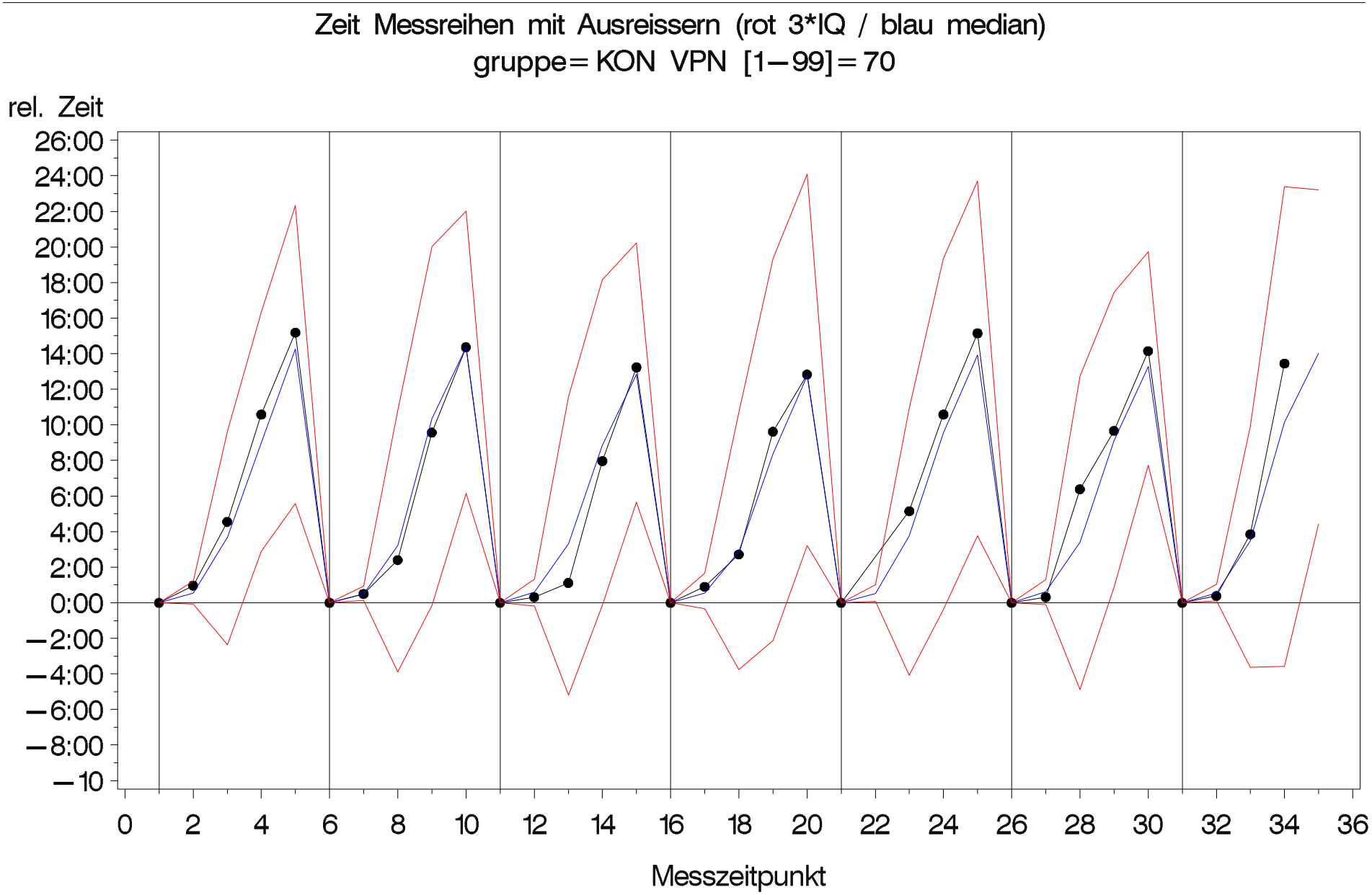
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 70
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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22
24
26
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32
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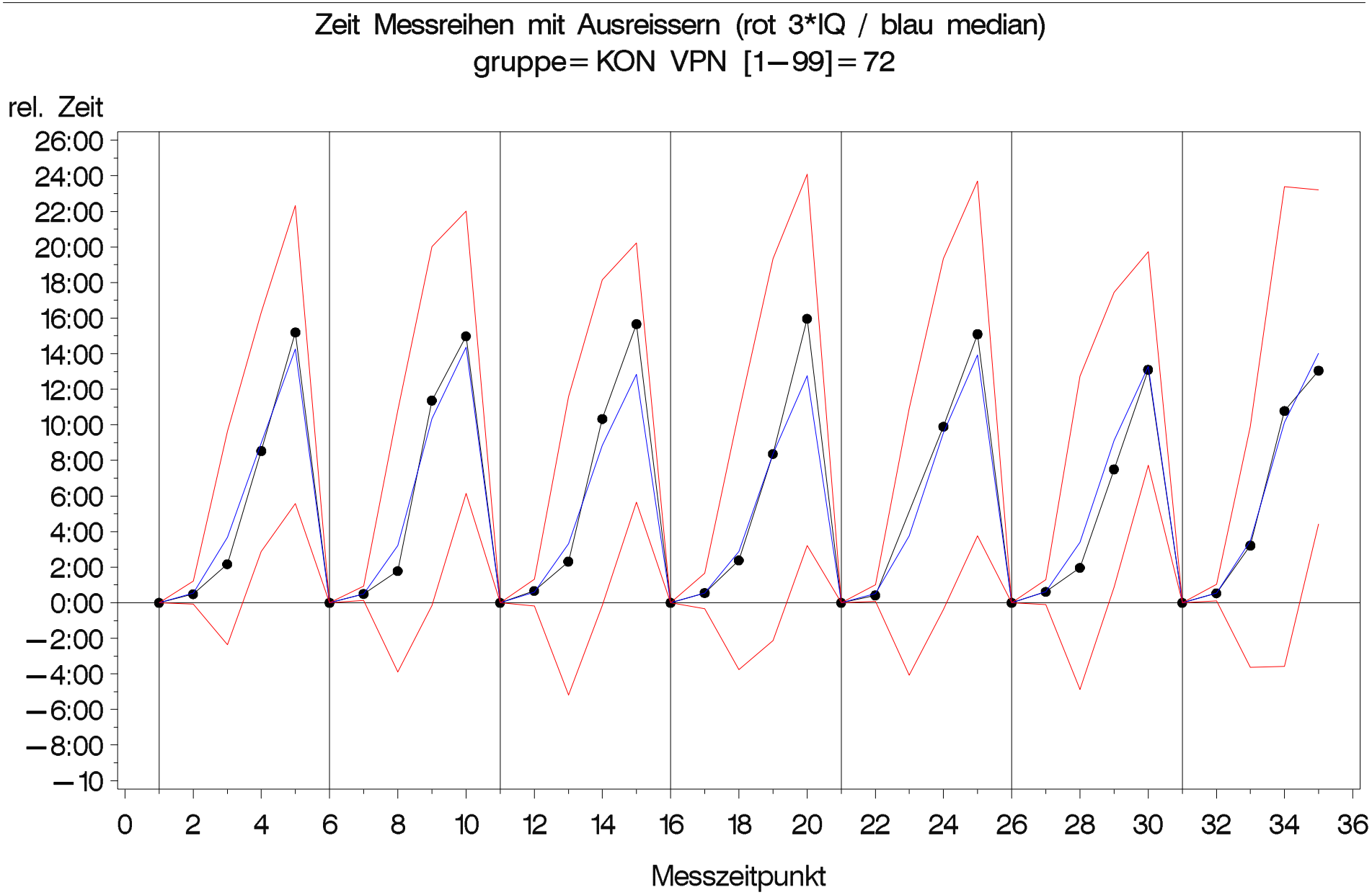
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 72
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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12
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22
24
26
28
30
32
34
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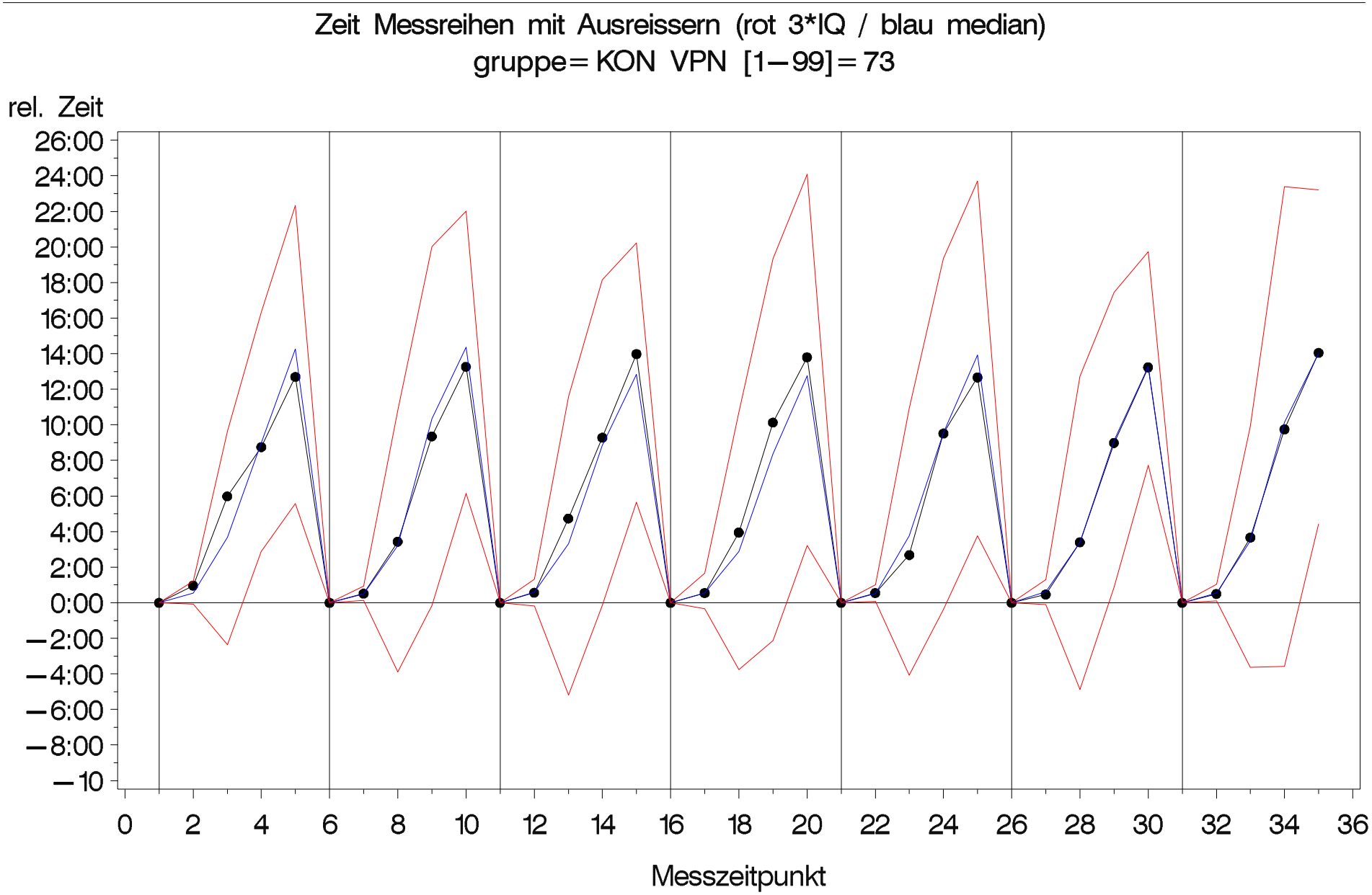
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 73
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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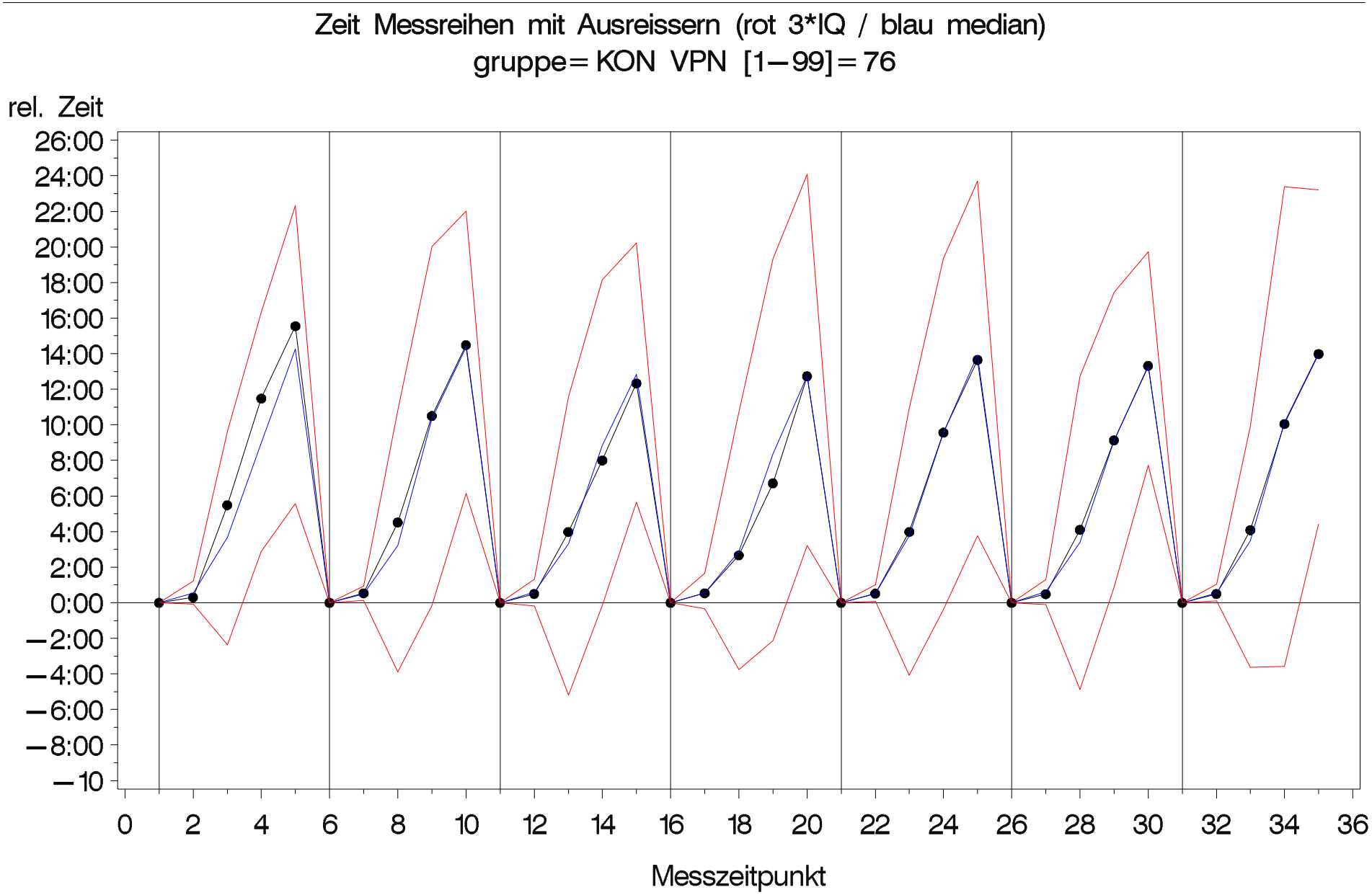
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 76
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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26
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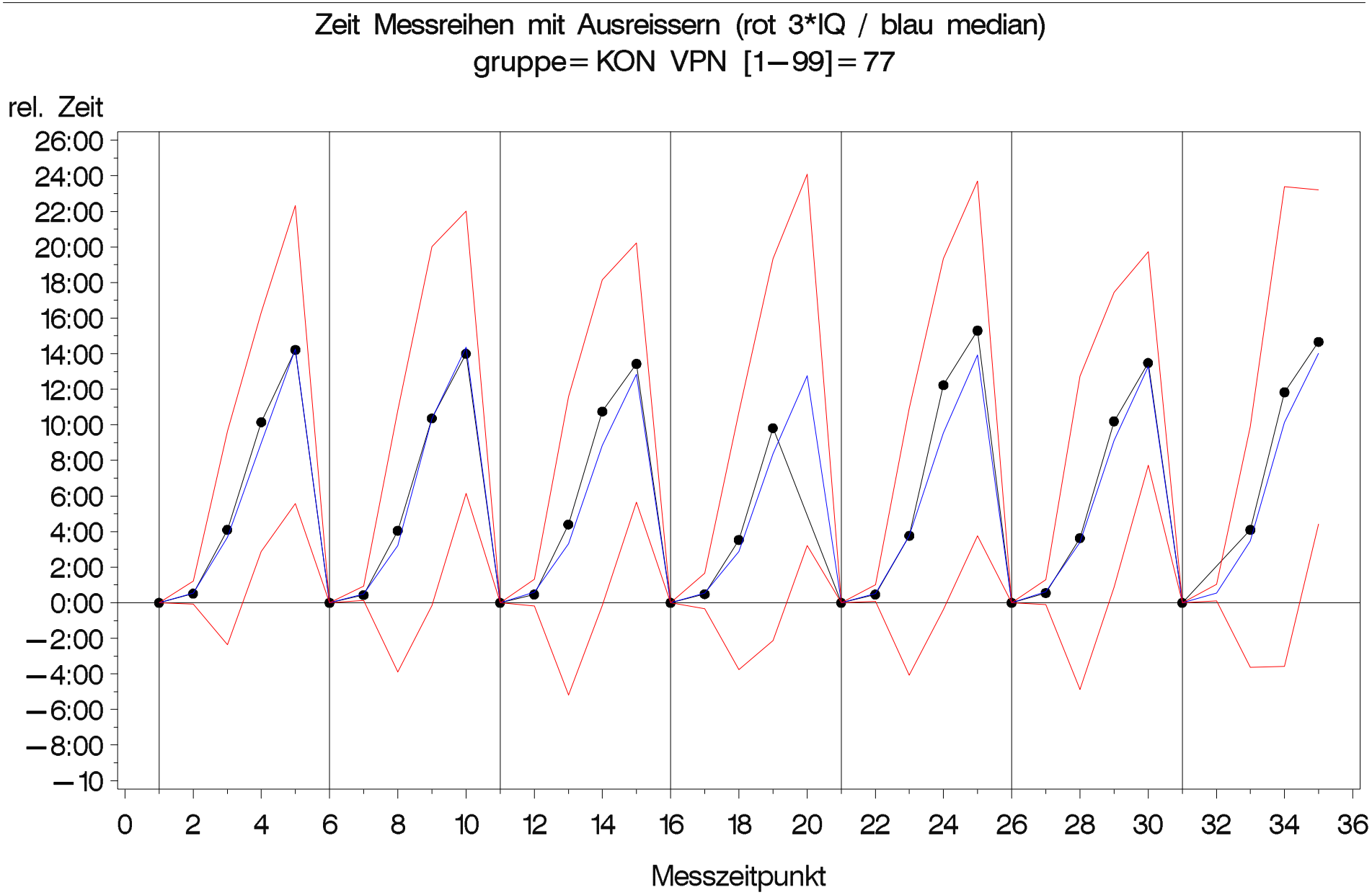
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 77
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
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−6:00
−8:00
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26
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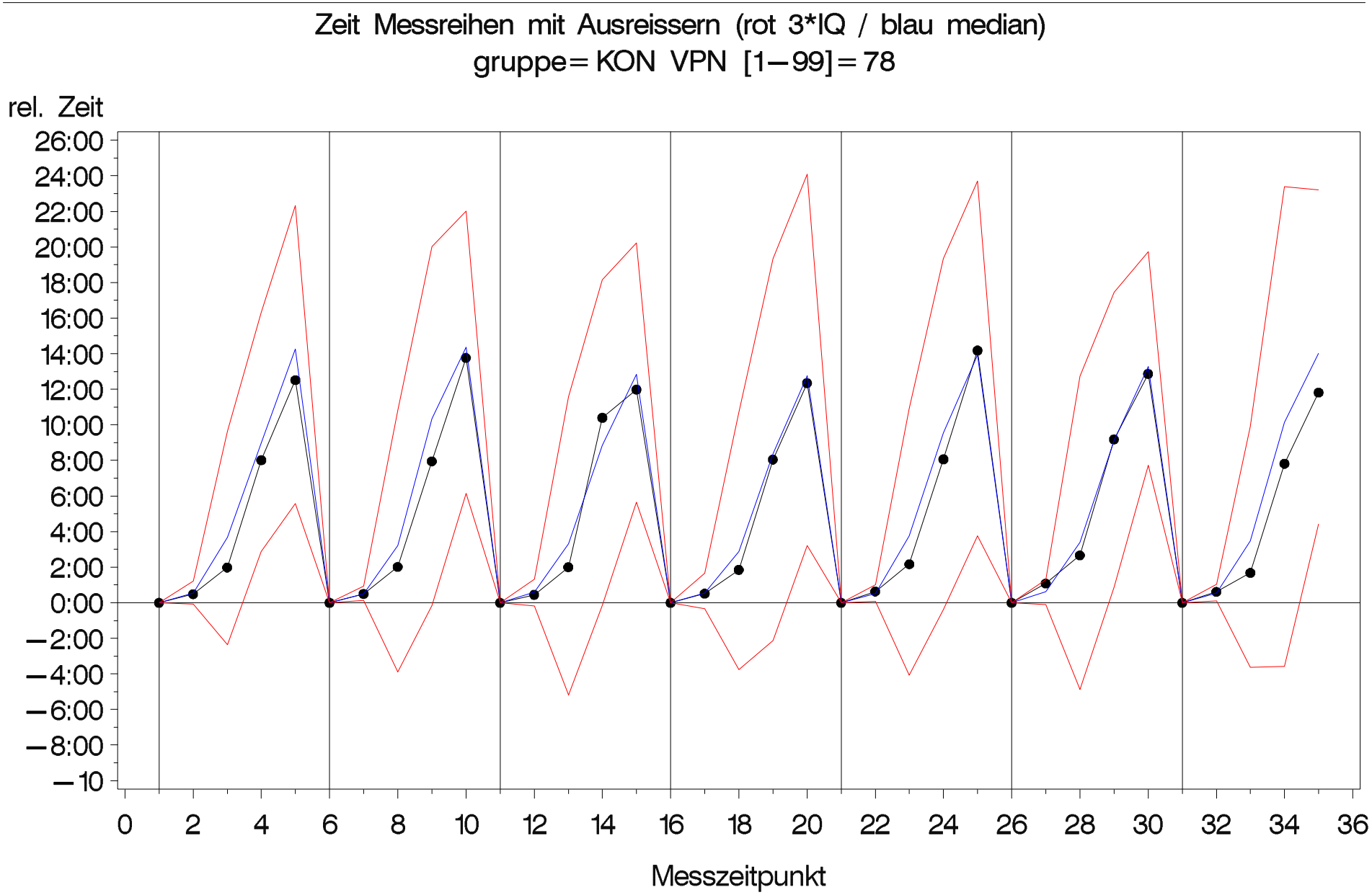
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 78
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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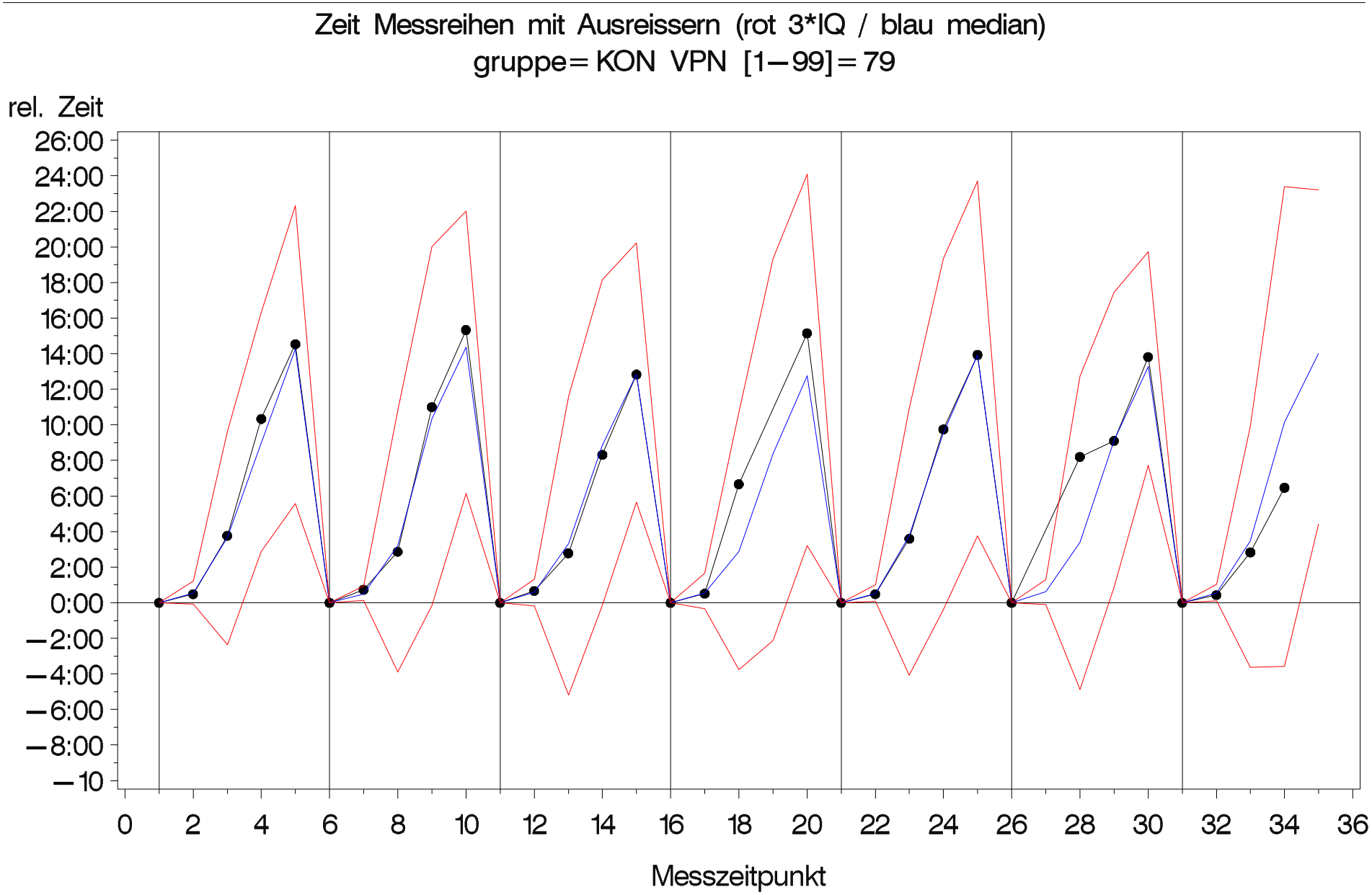
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 79
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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26
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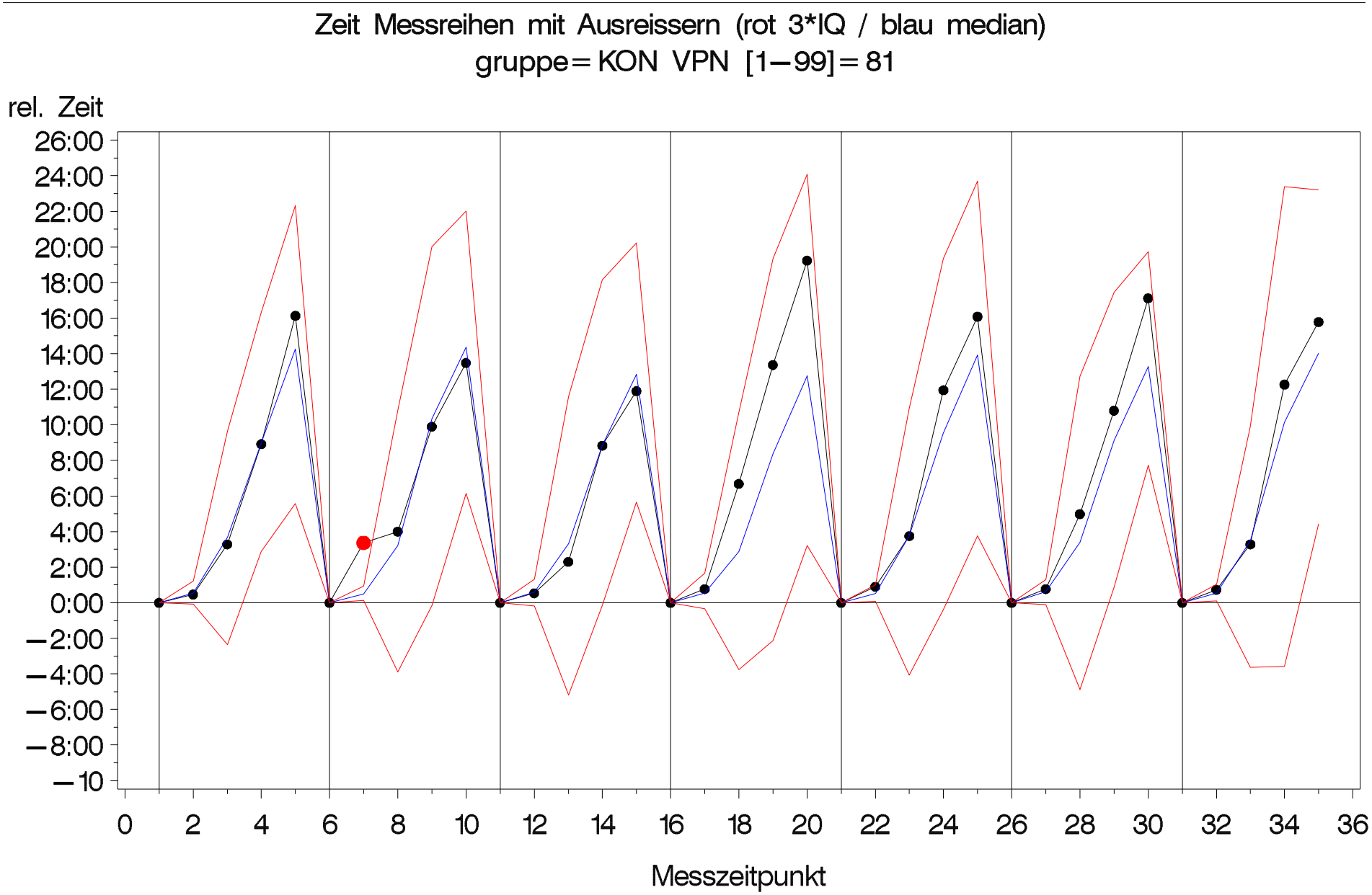
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1–99]= 81
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
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–8:00
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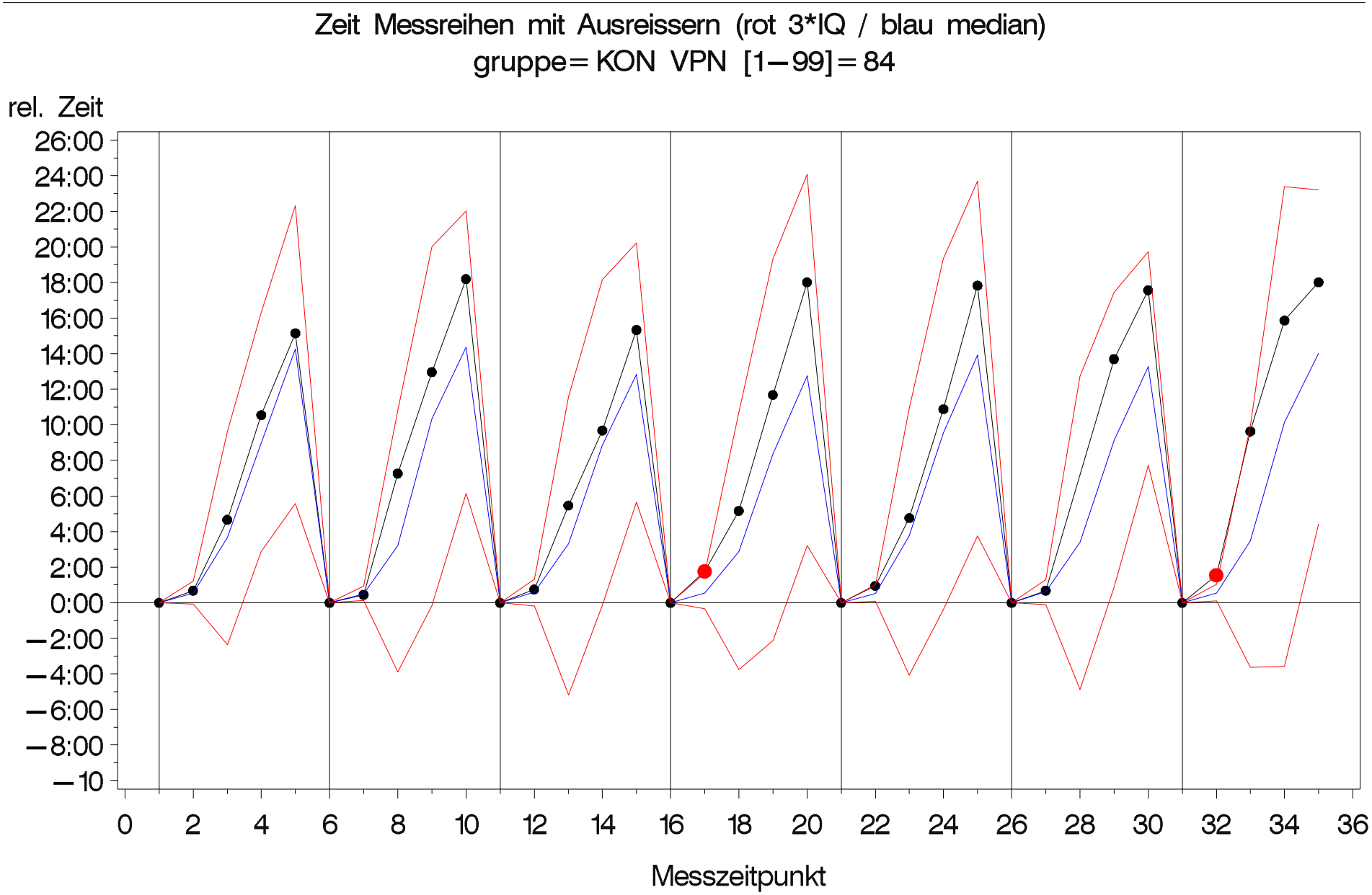
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 84
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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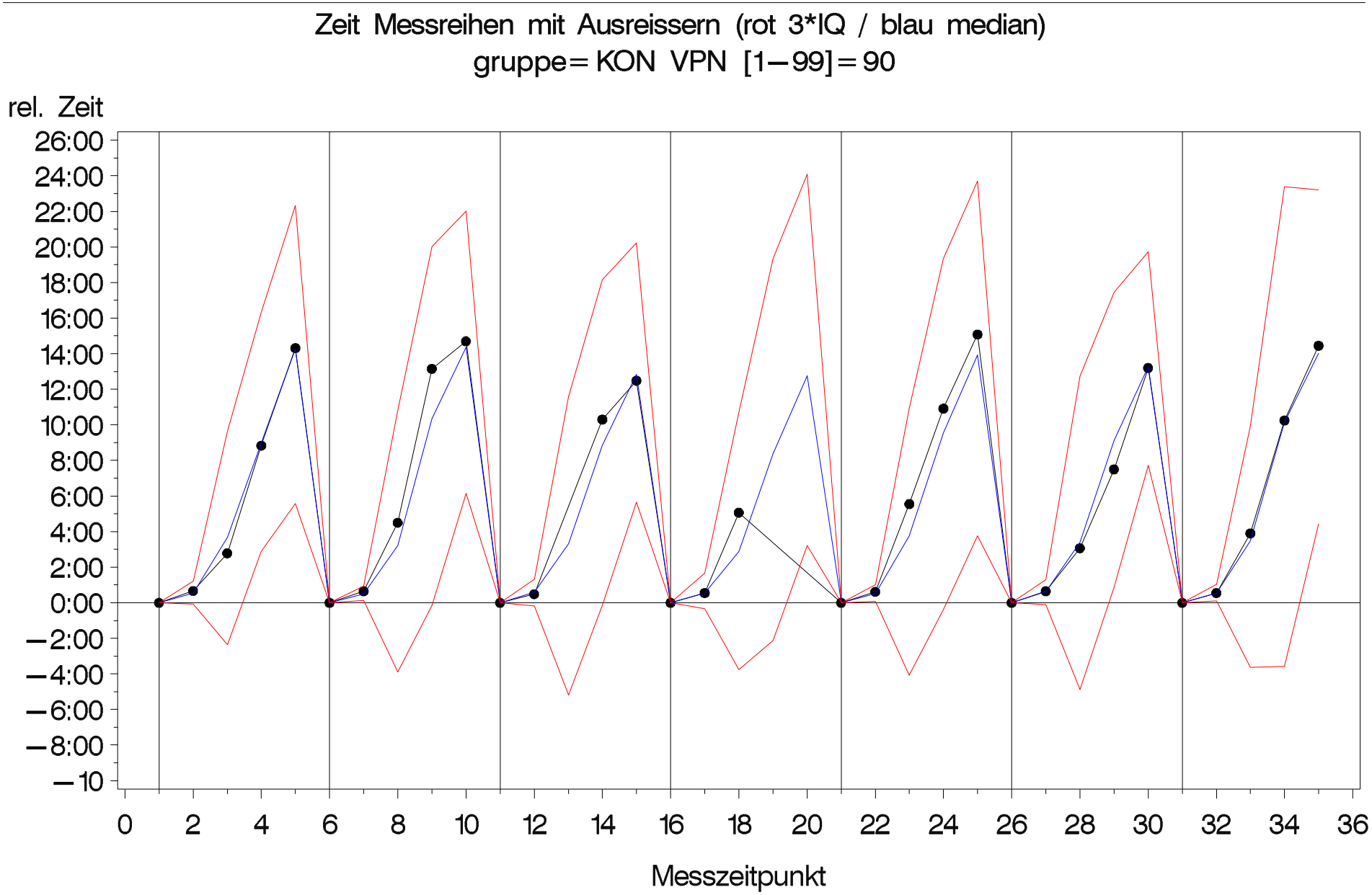
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 90
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
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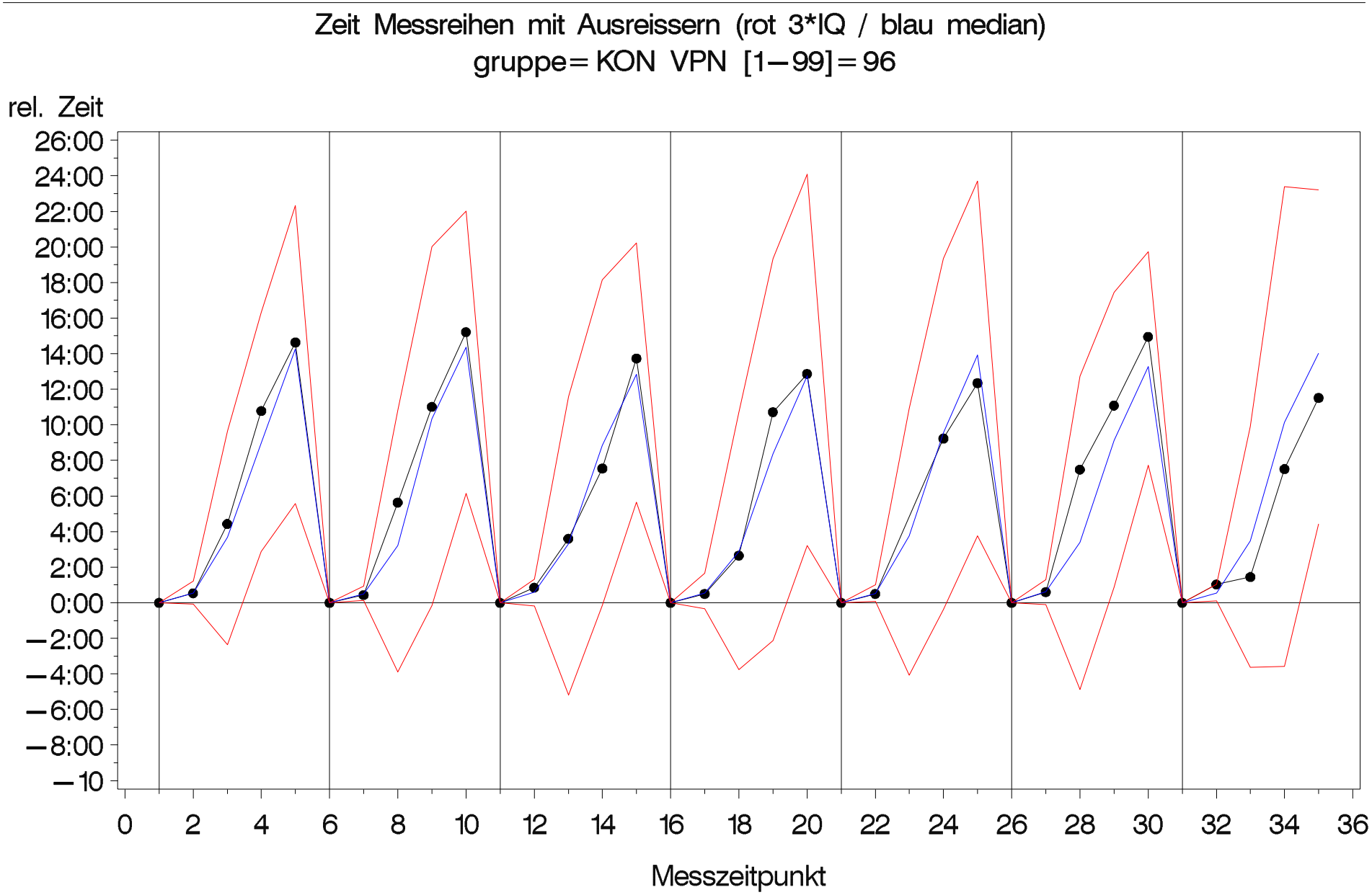
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 96
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
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−2:00
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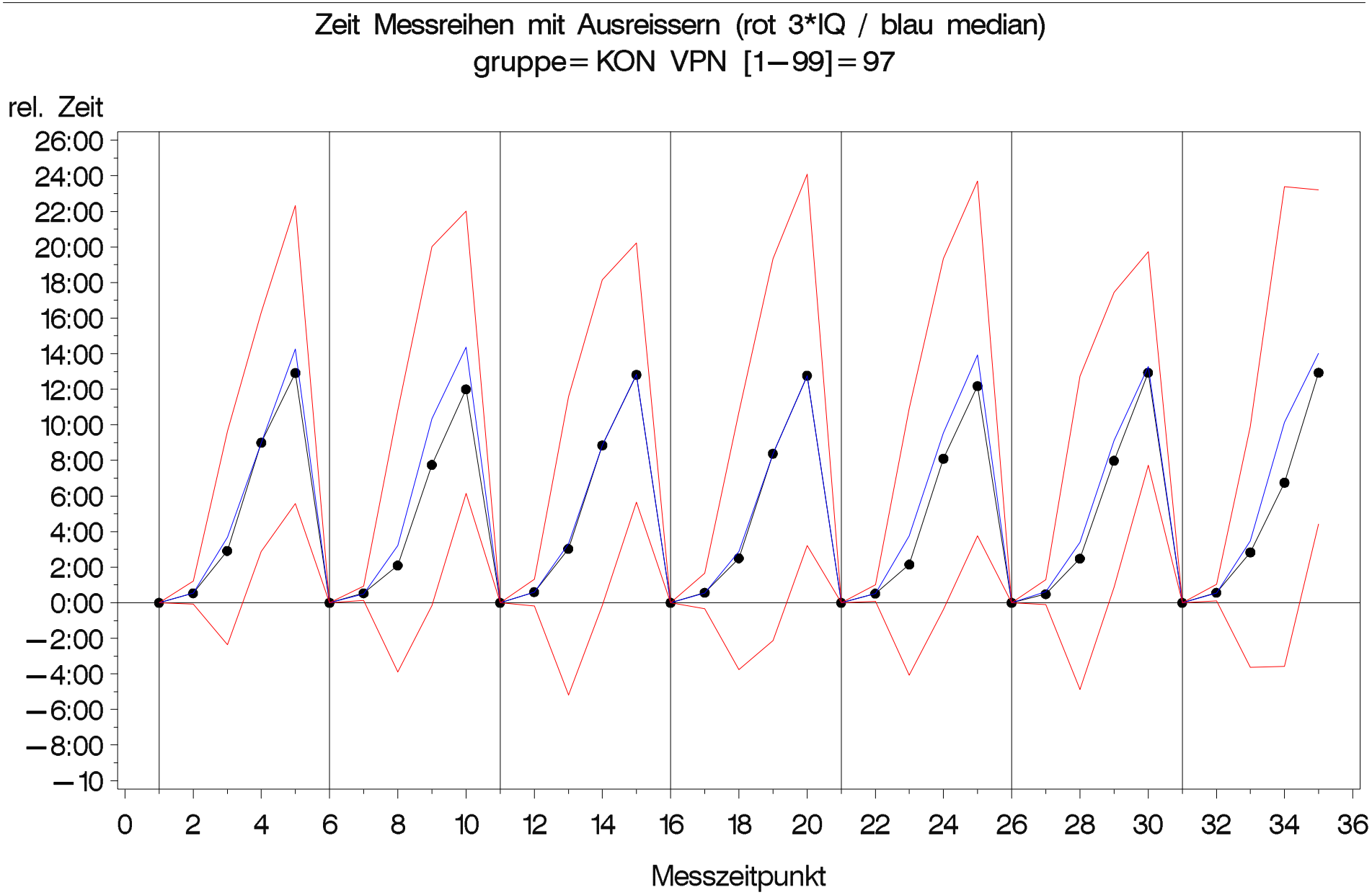
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 97
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−4:00
−6:00
−8:00
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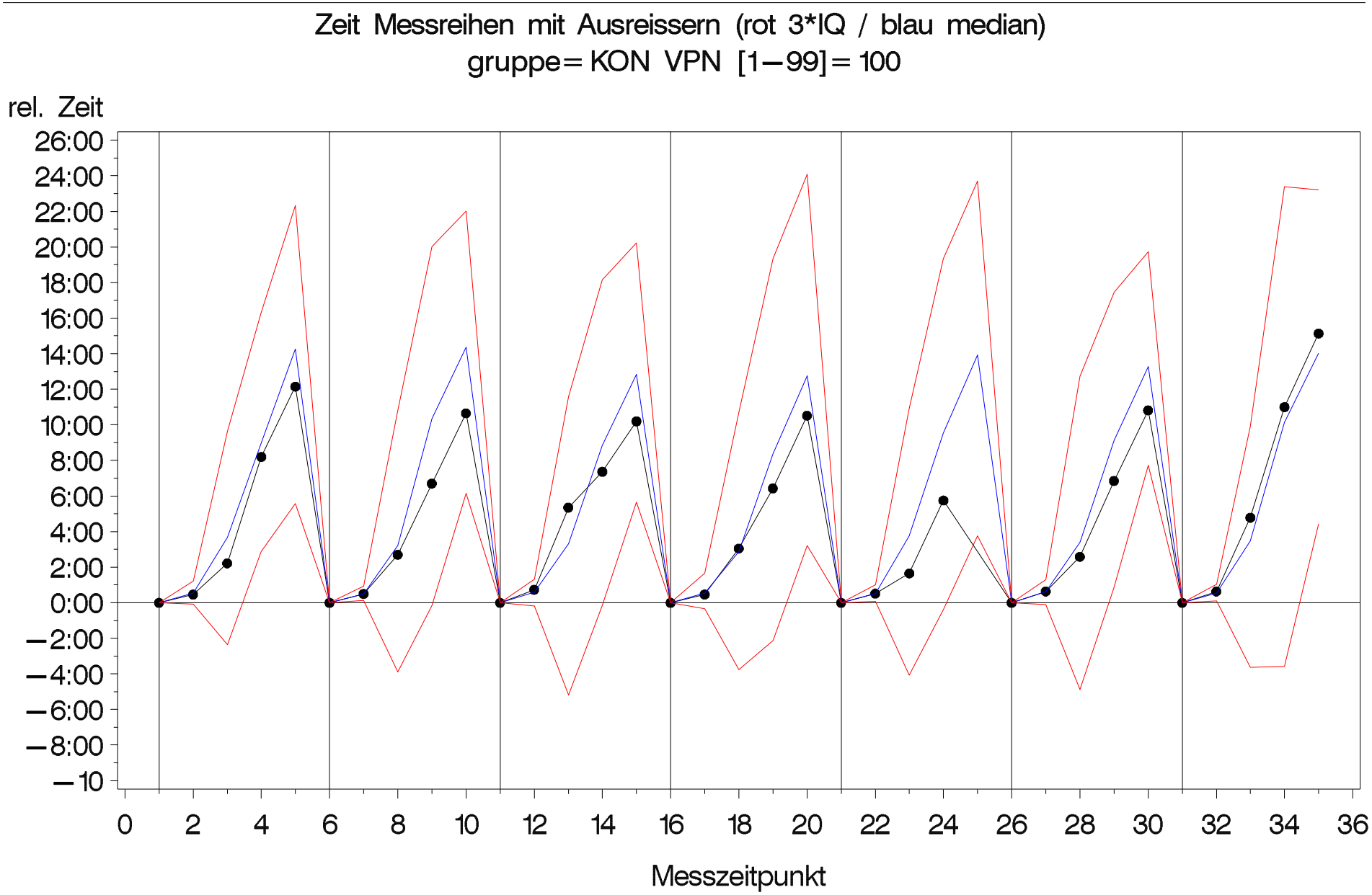
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= KON VPN [1−99]= 100
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−2:00
−4:00
−6:00
−8:00
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32
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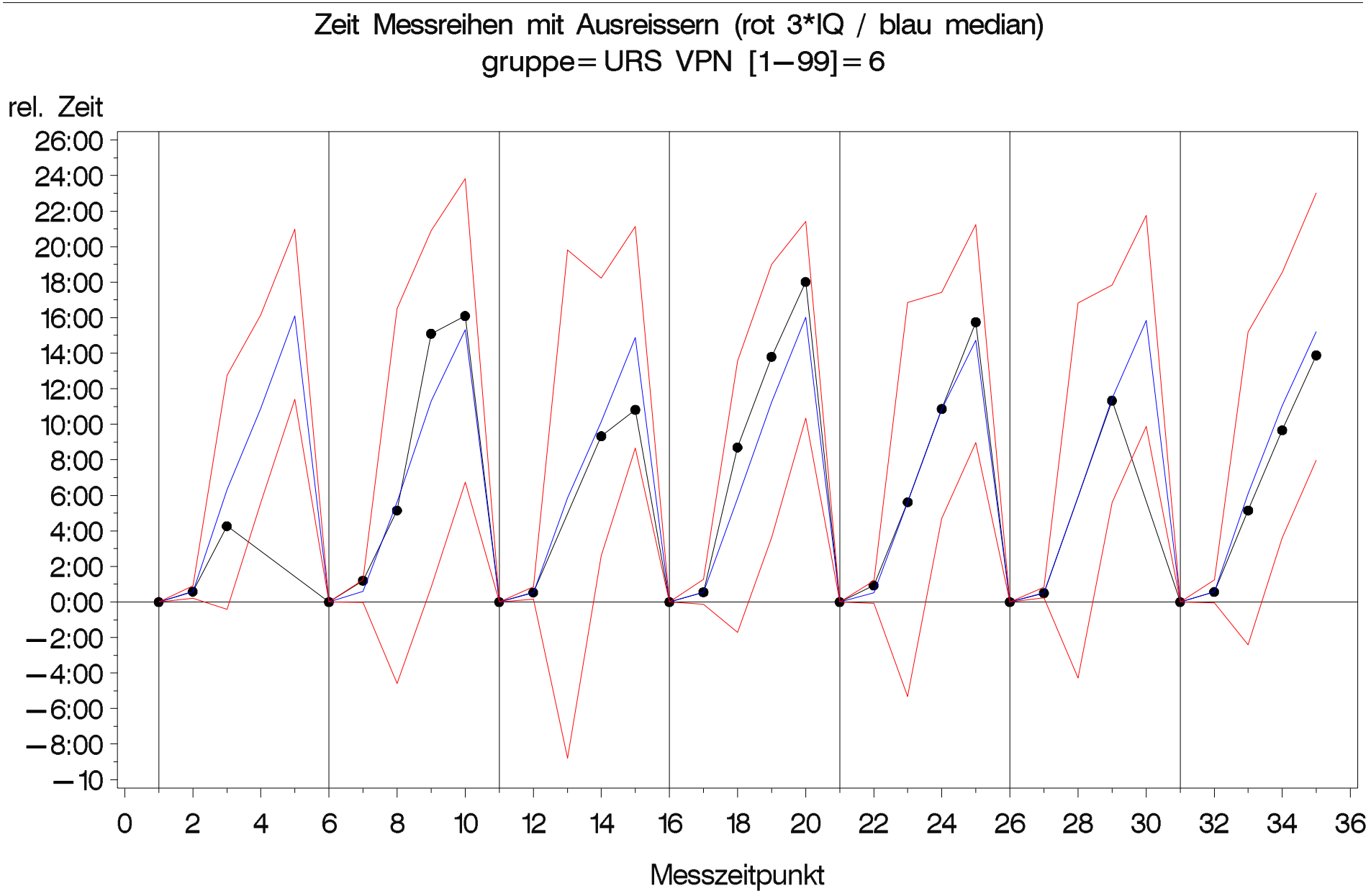
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99]= 6
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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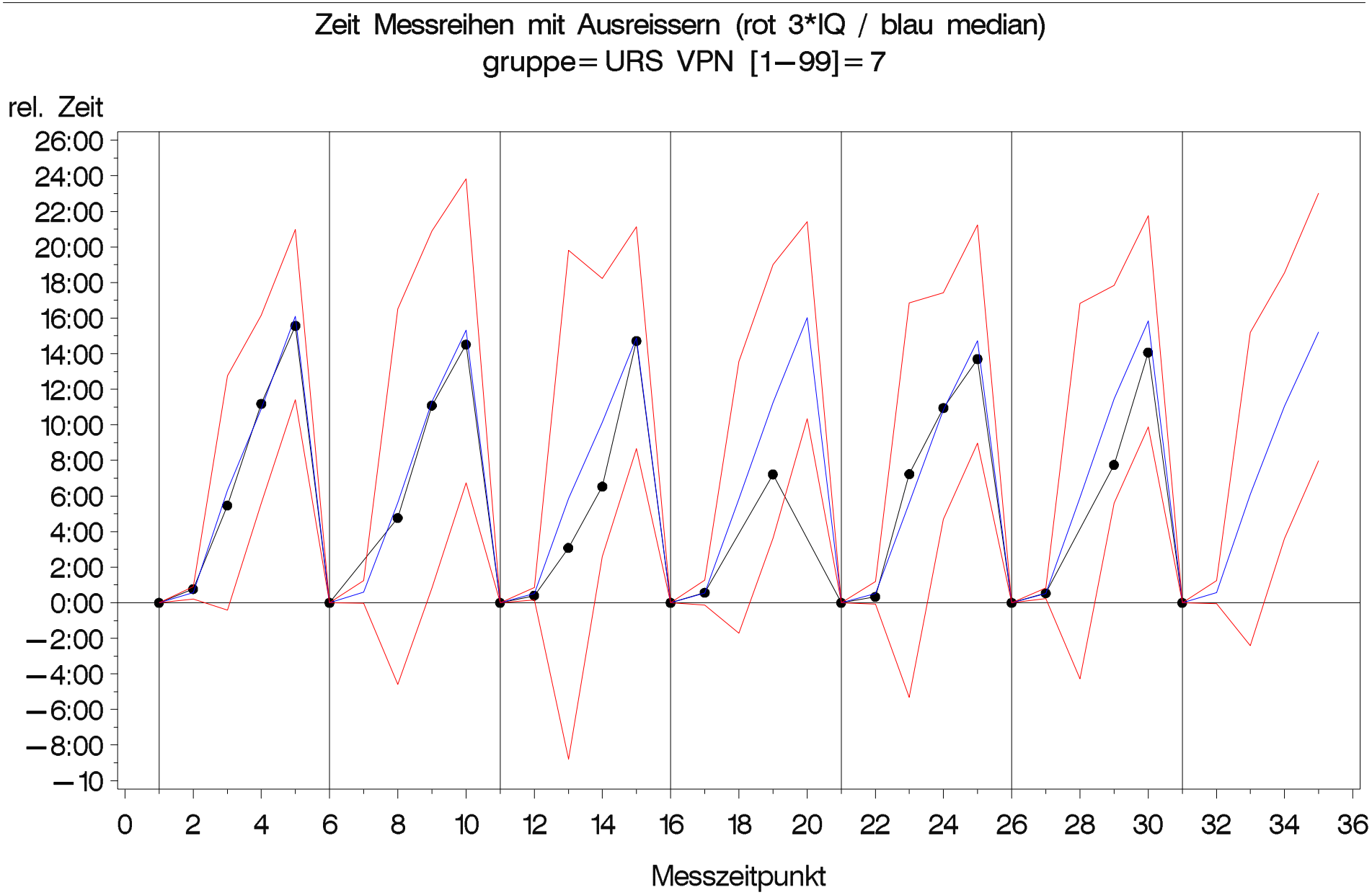
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99] = 7
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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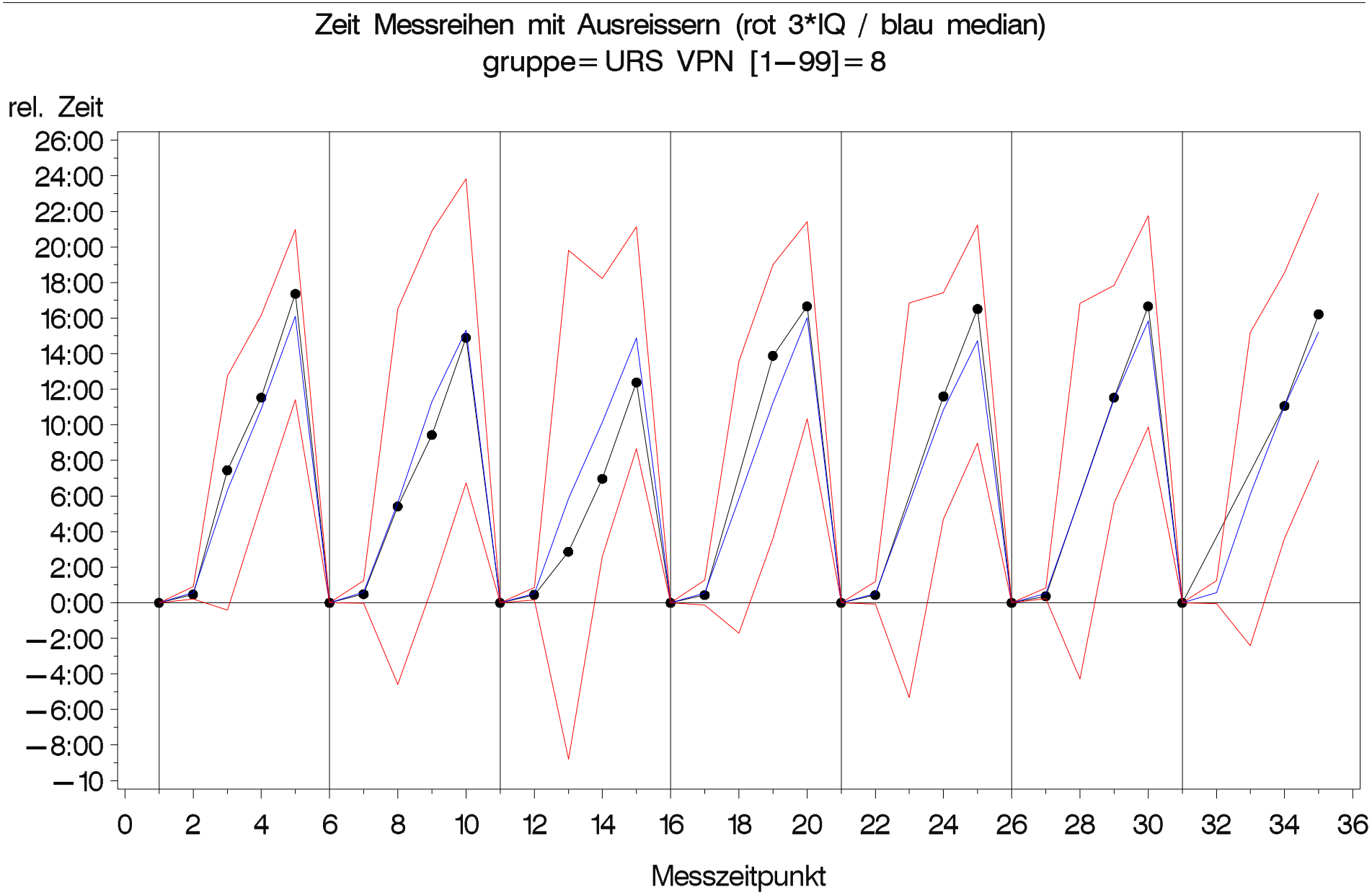
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99]= 8
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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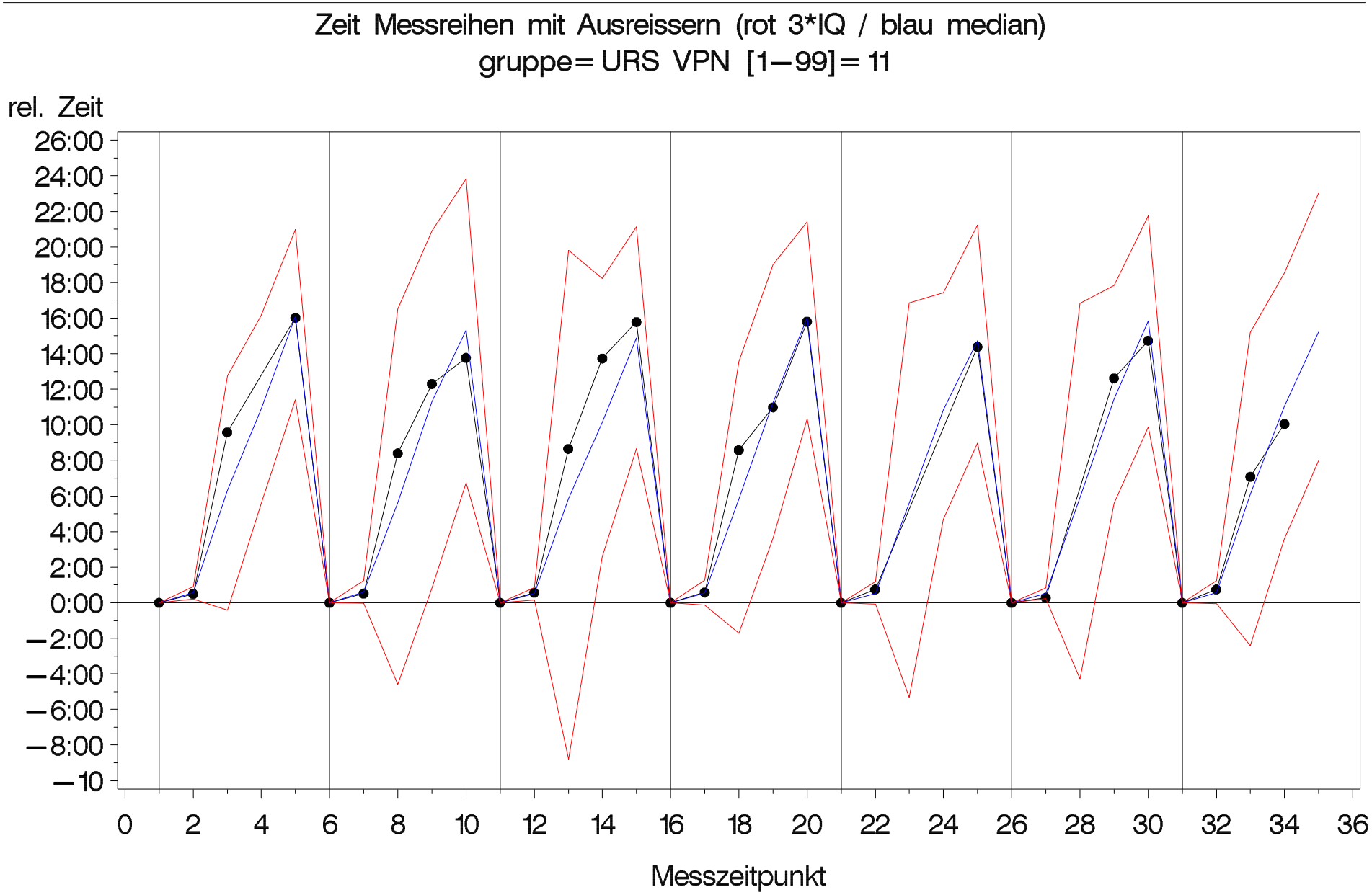
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1–99]= 11
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
–2:00
–4:00
–6:00
–8:00
–10
0
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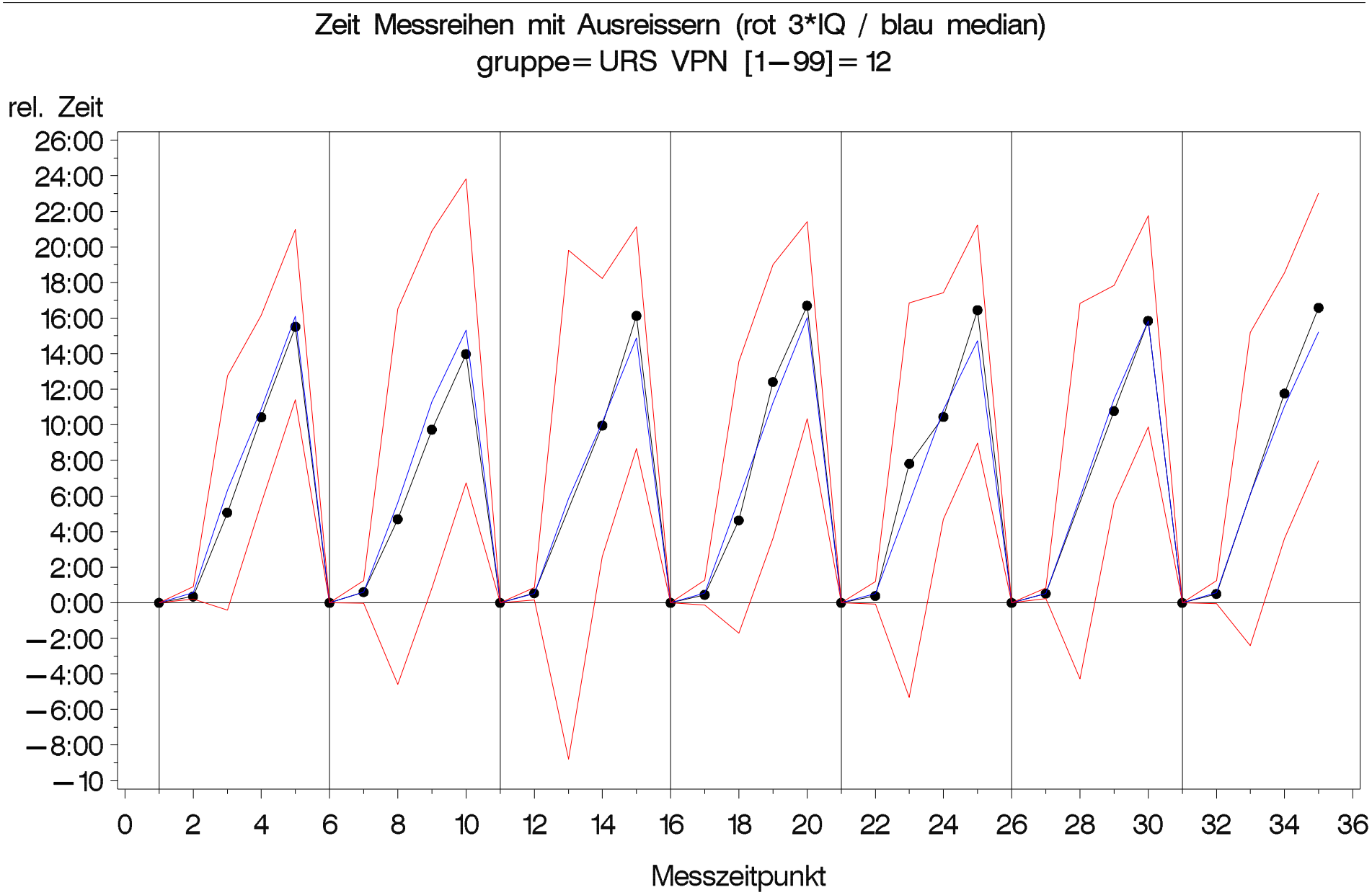
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99] = 12
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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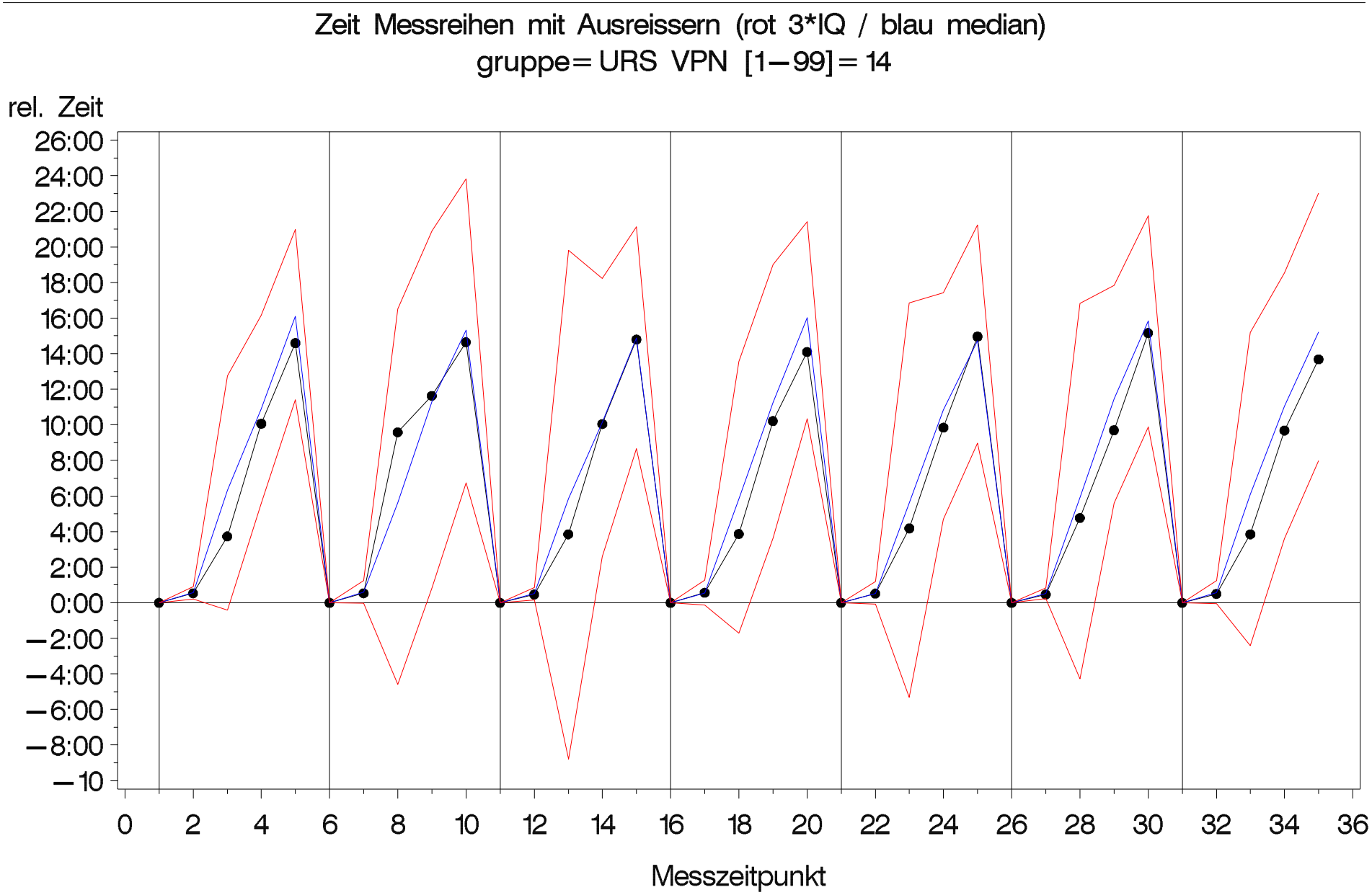
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99] = 14
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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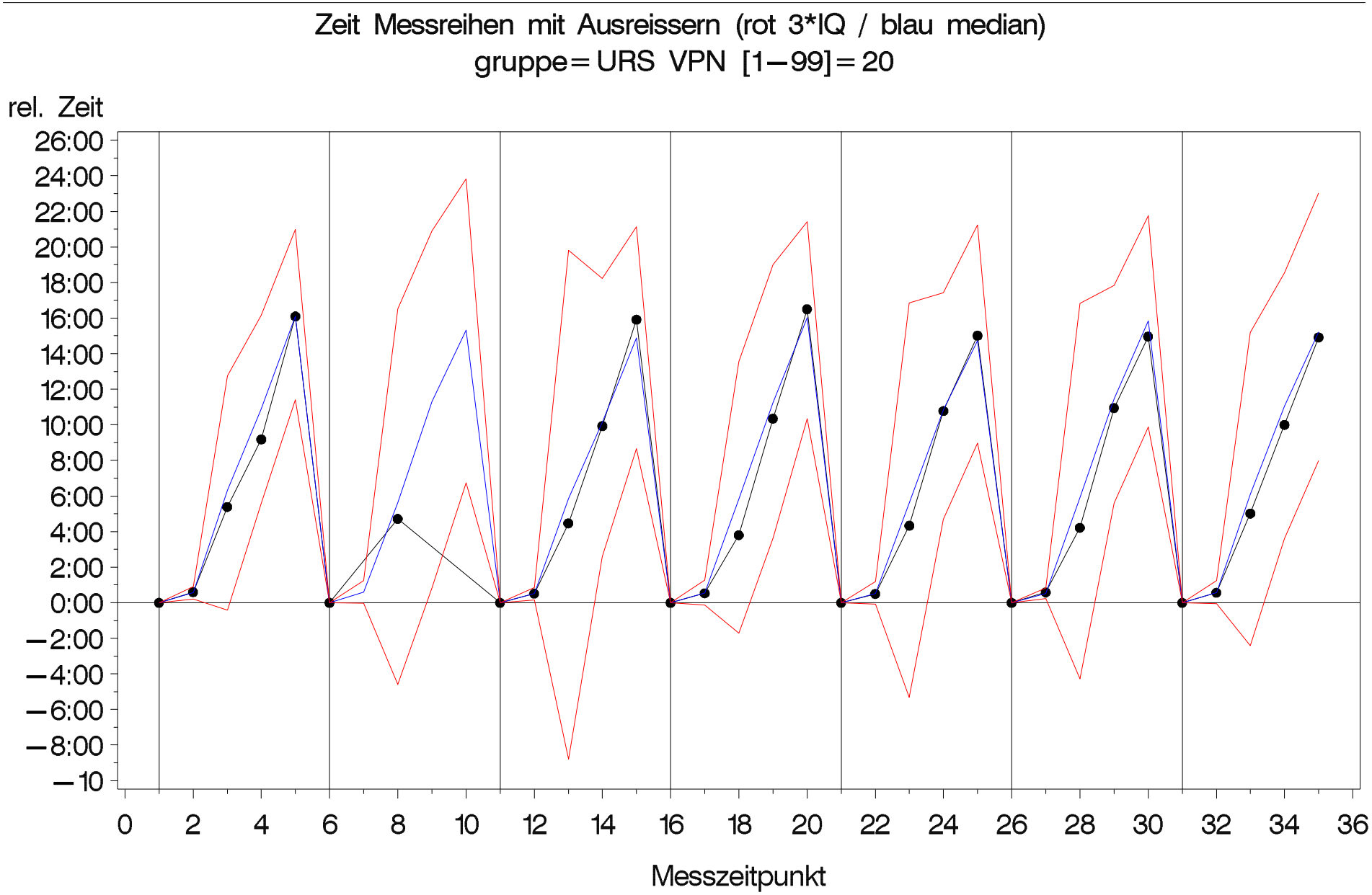
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=20
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
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26
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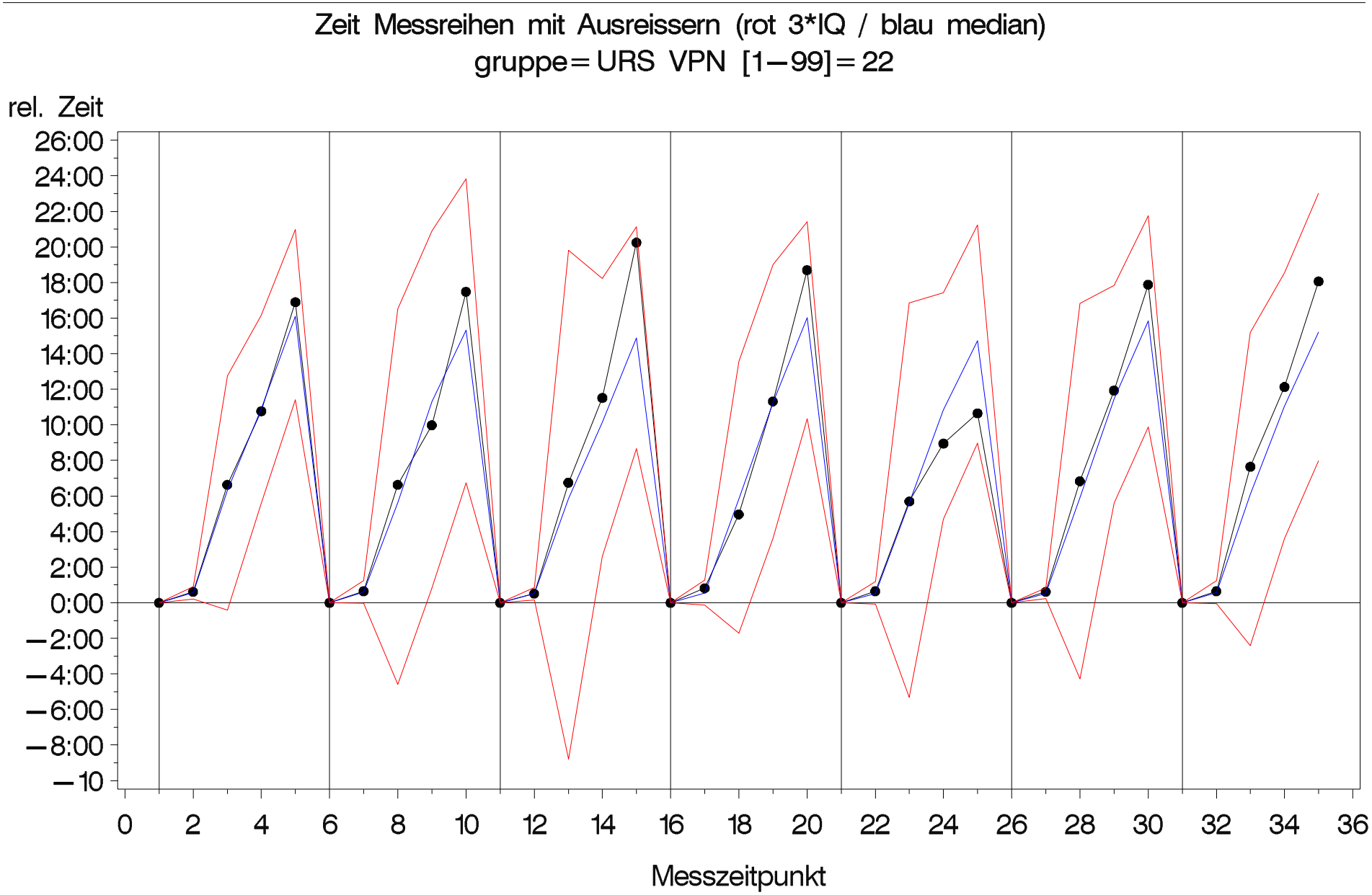
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=22
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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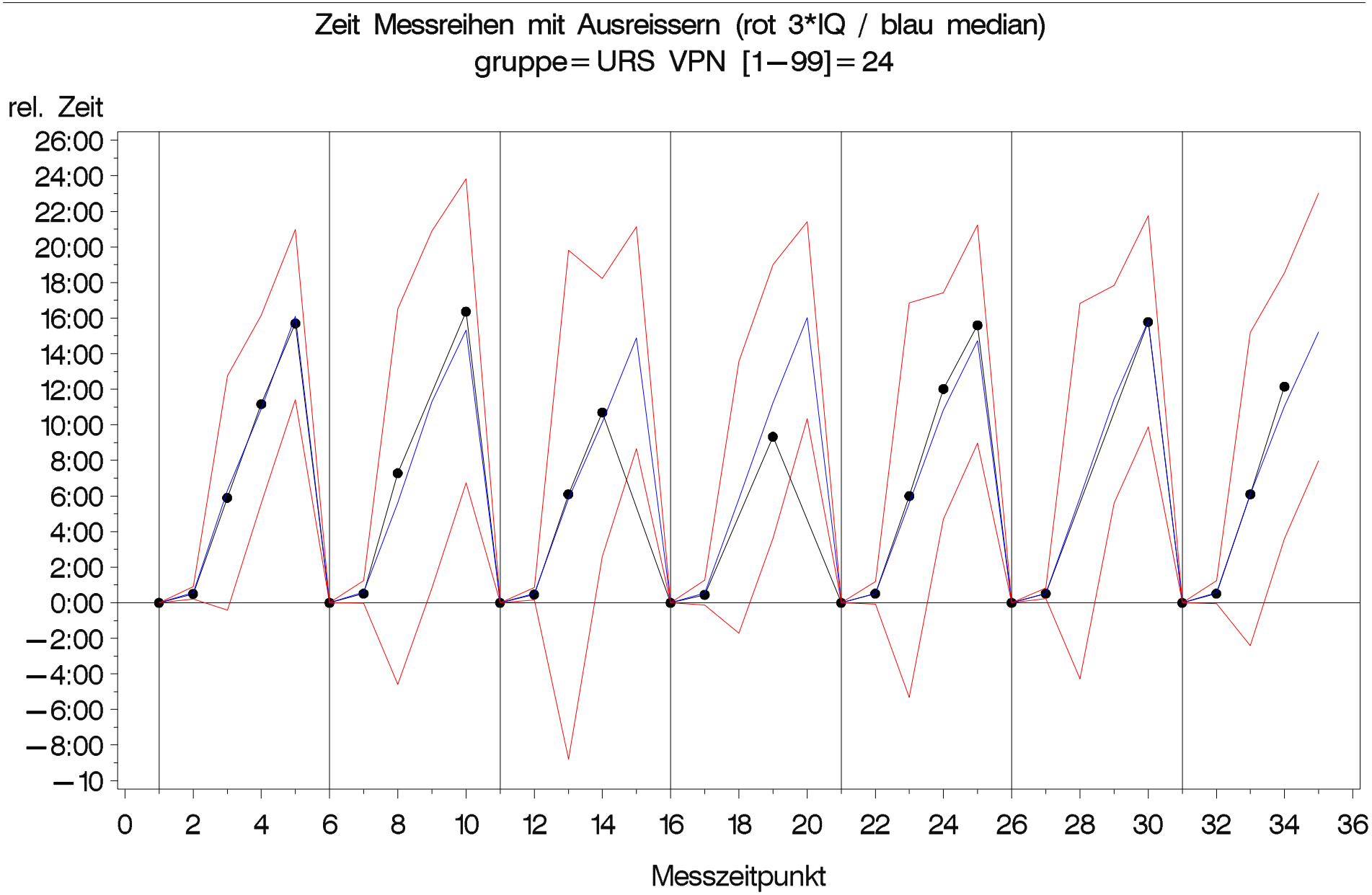
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=24
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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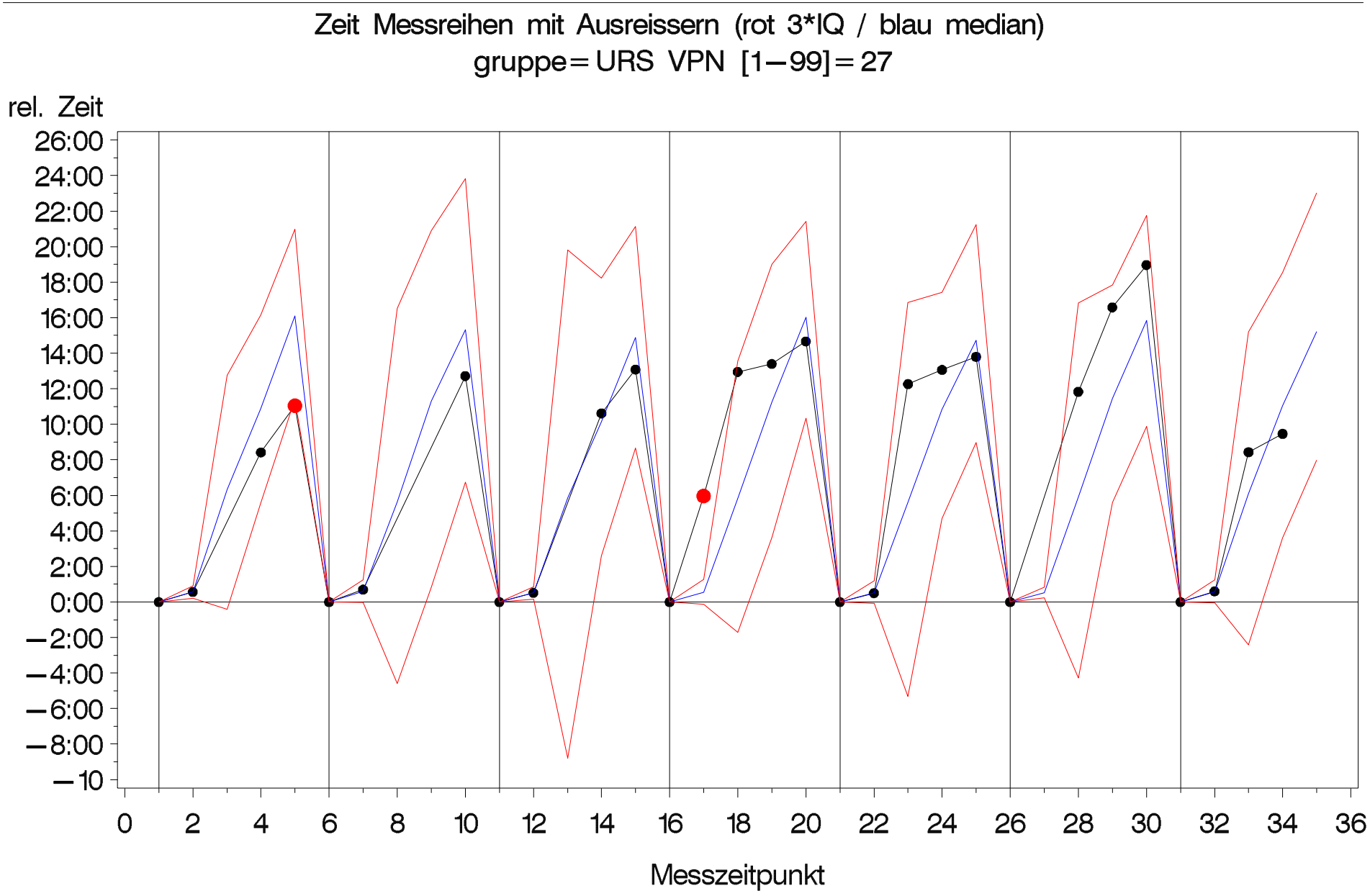
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=27
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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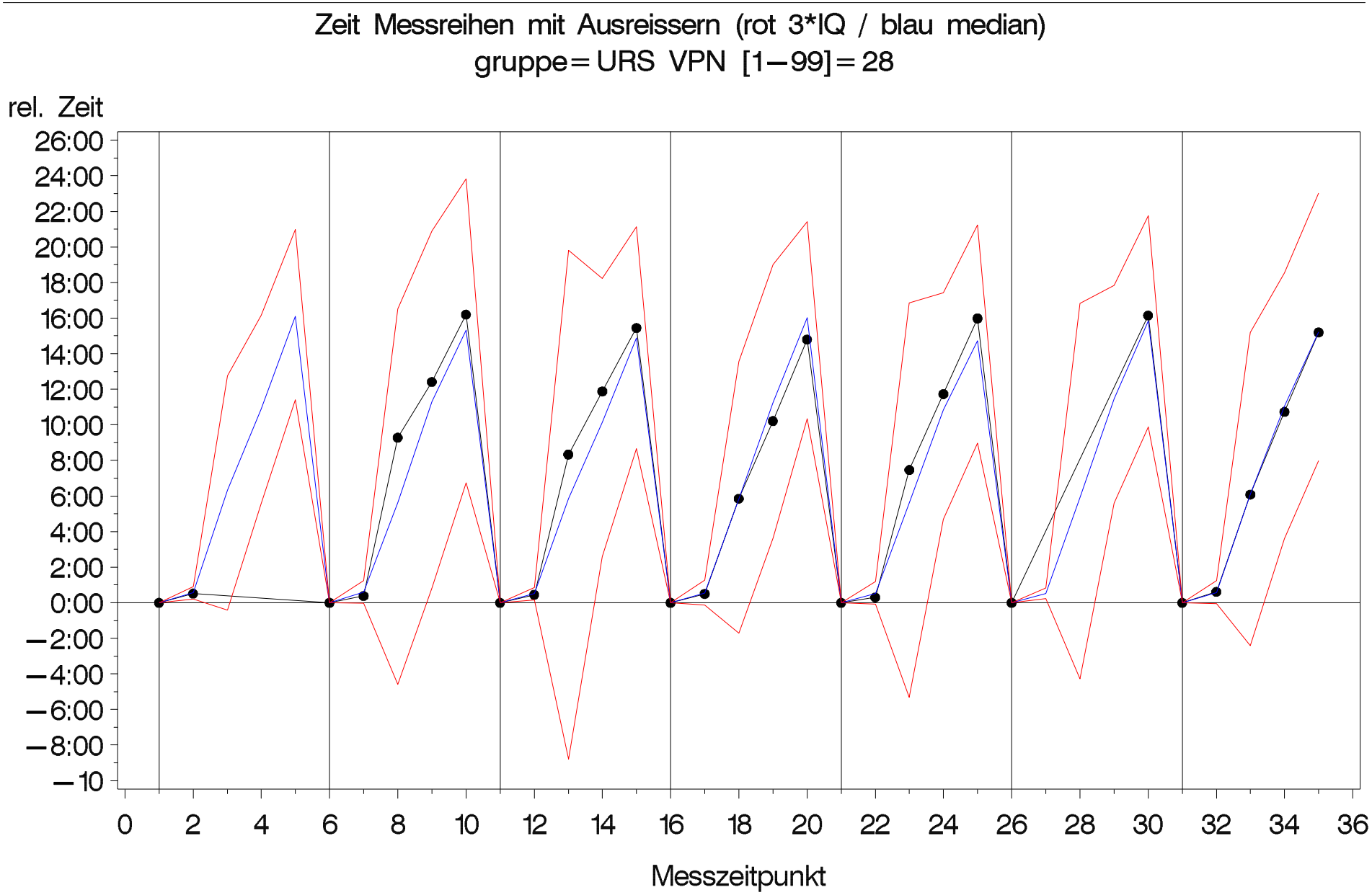
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=28
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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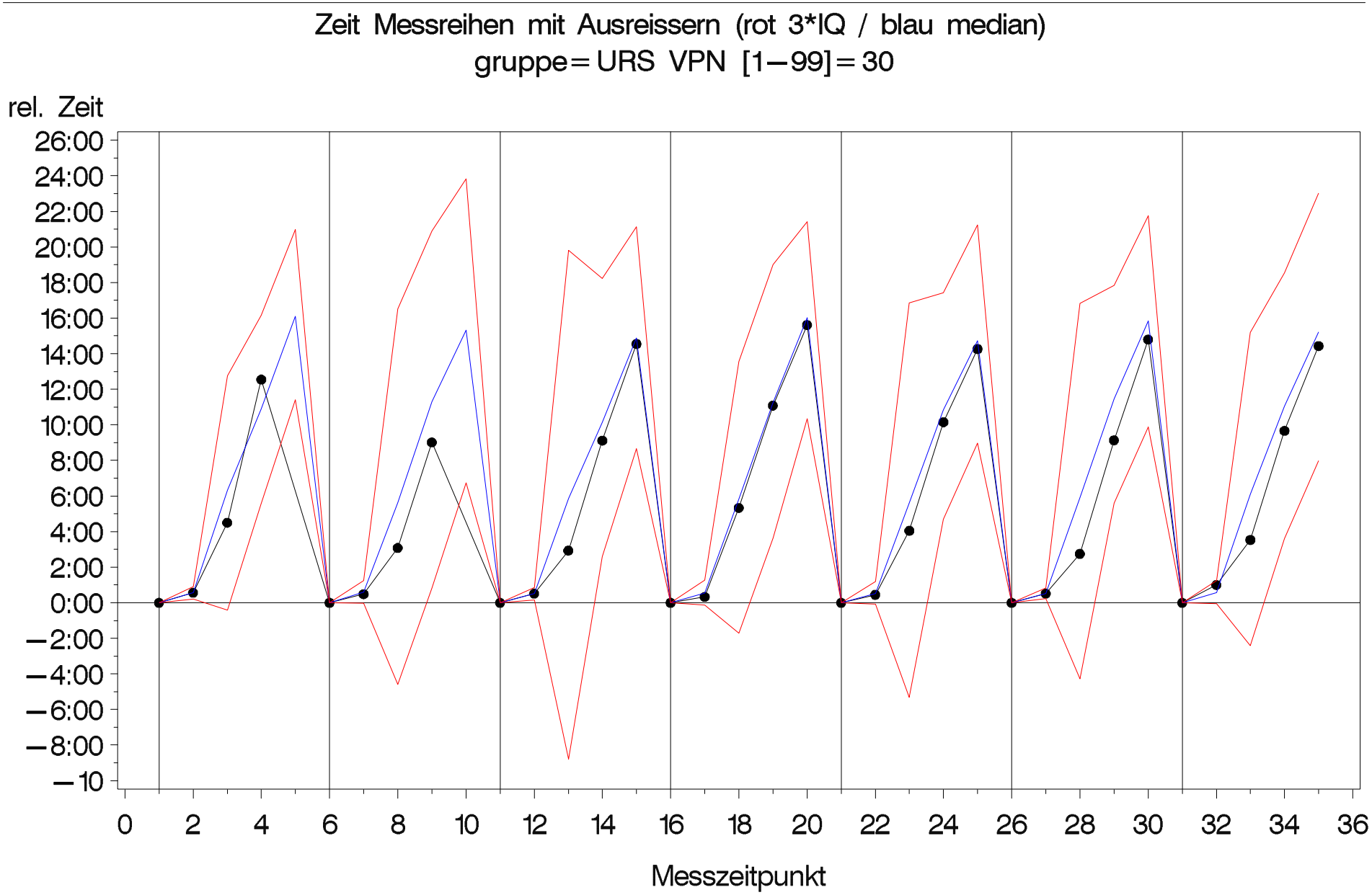
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=30
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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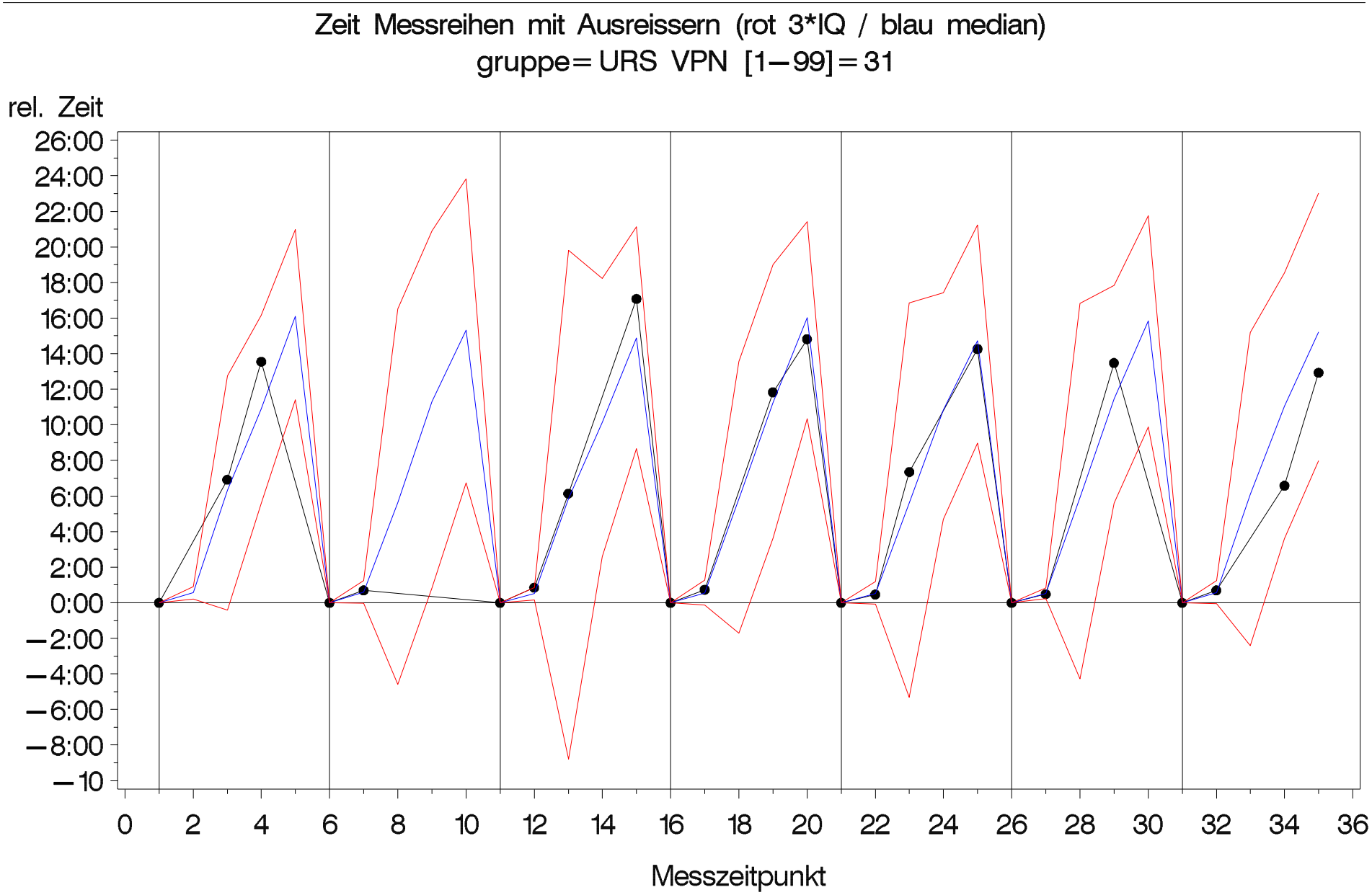
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99] = 31
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
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−8:00
−10
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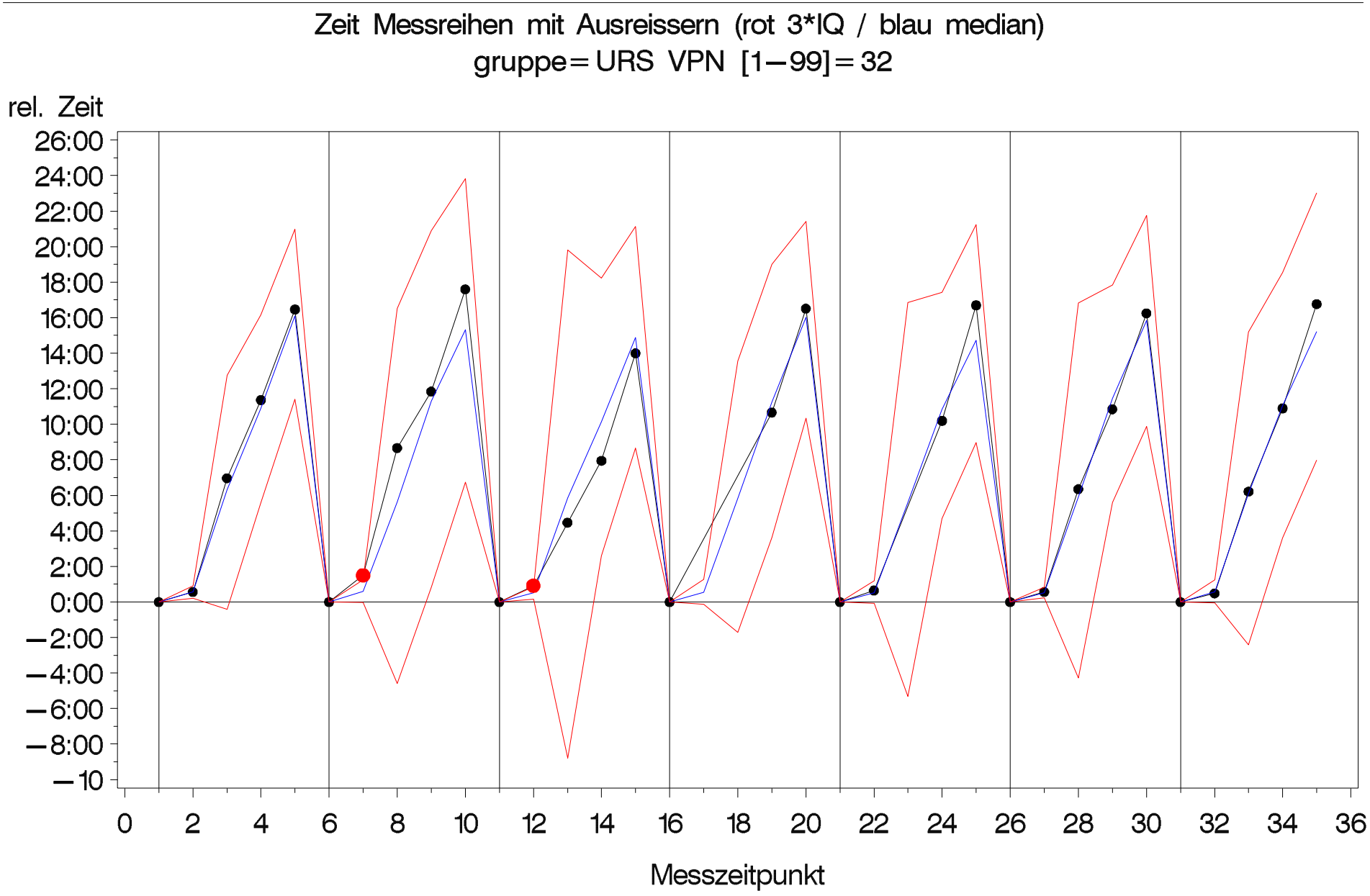
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=32
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
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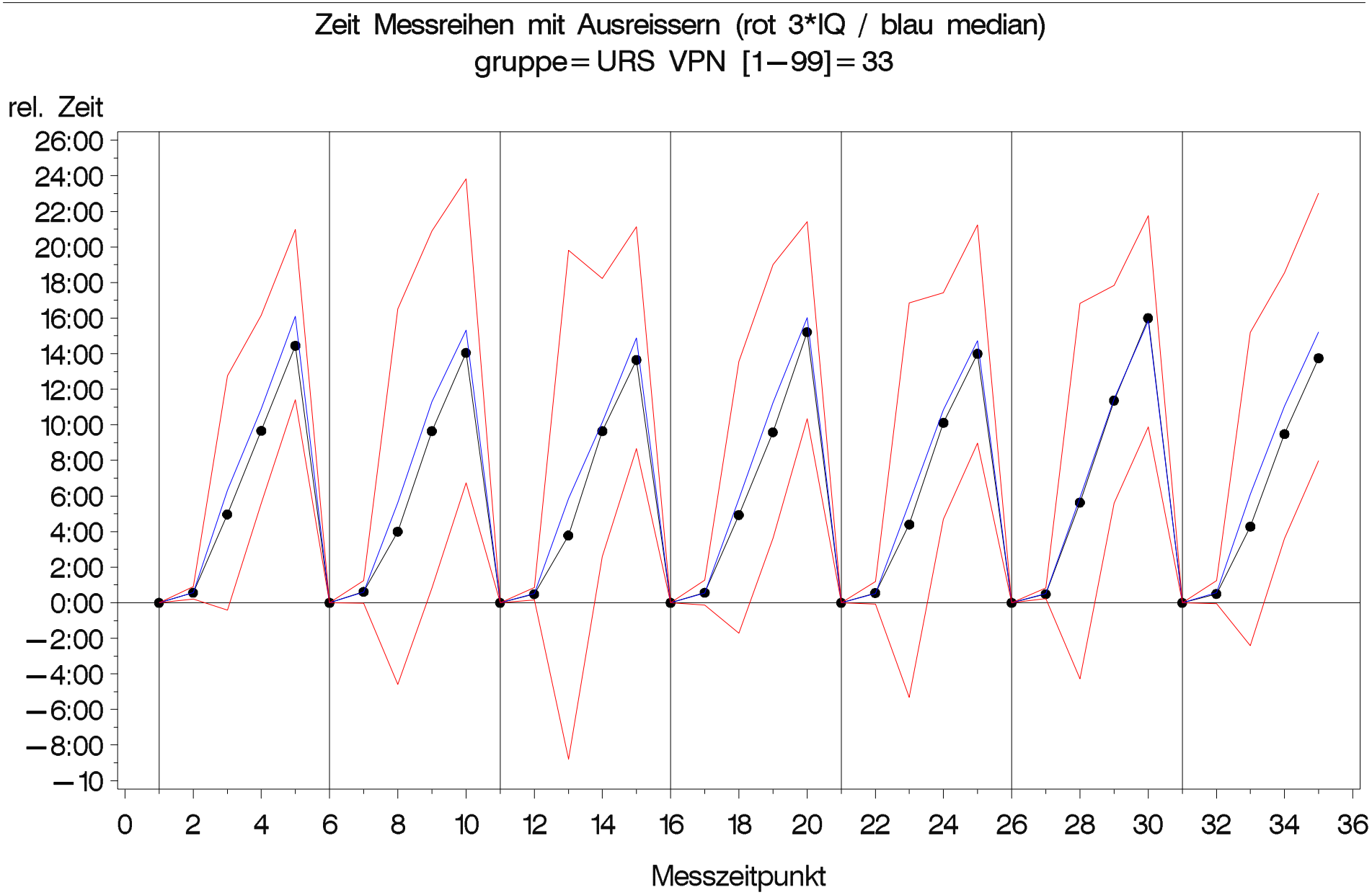
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=33
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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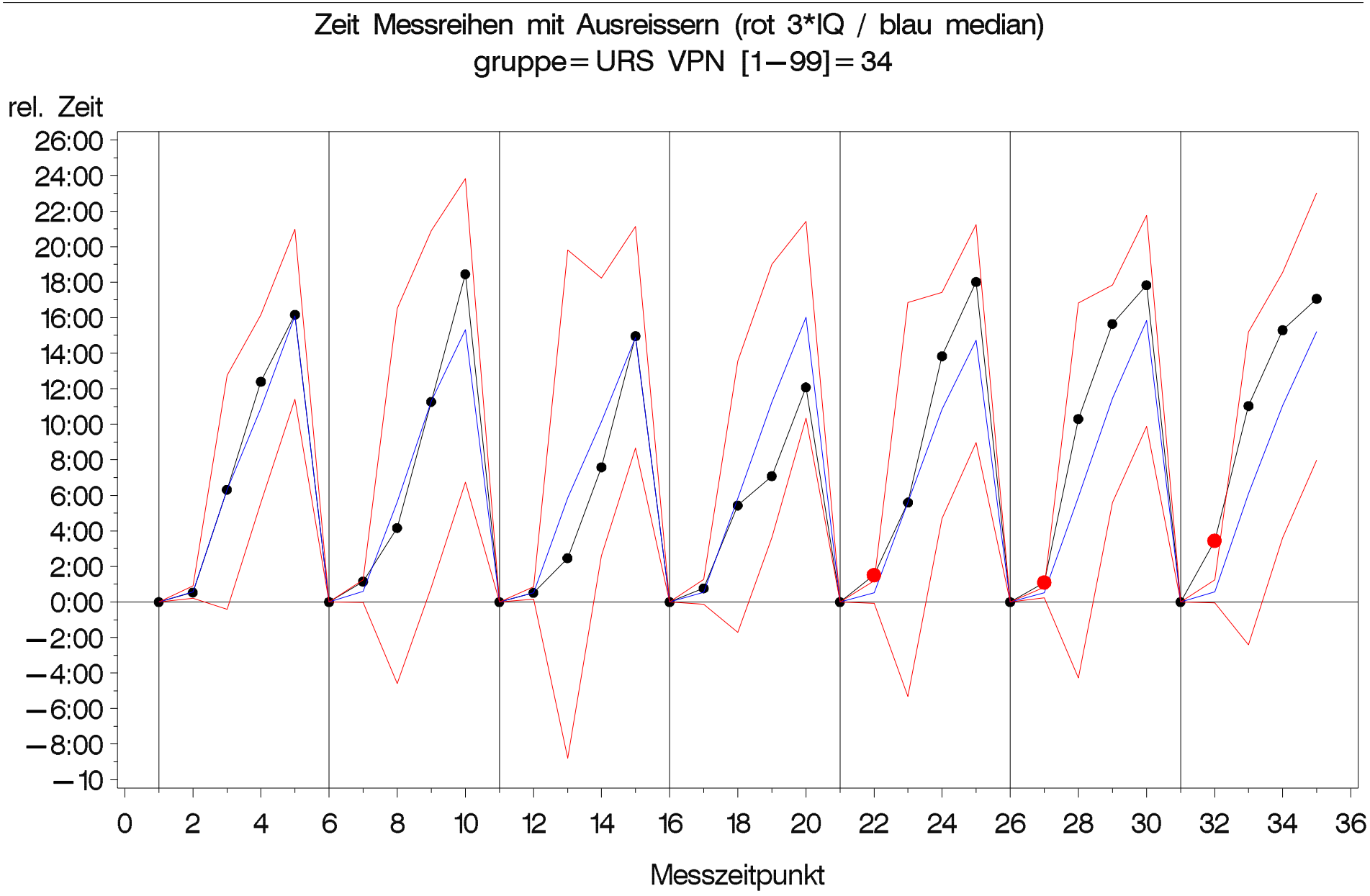
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe= URS VPN [1−99]= 34
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
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−6:00
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−10
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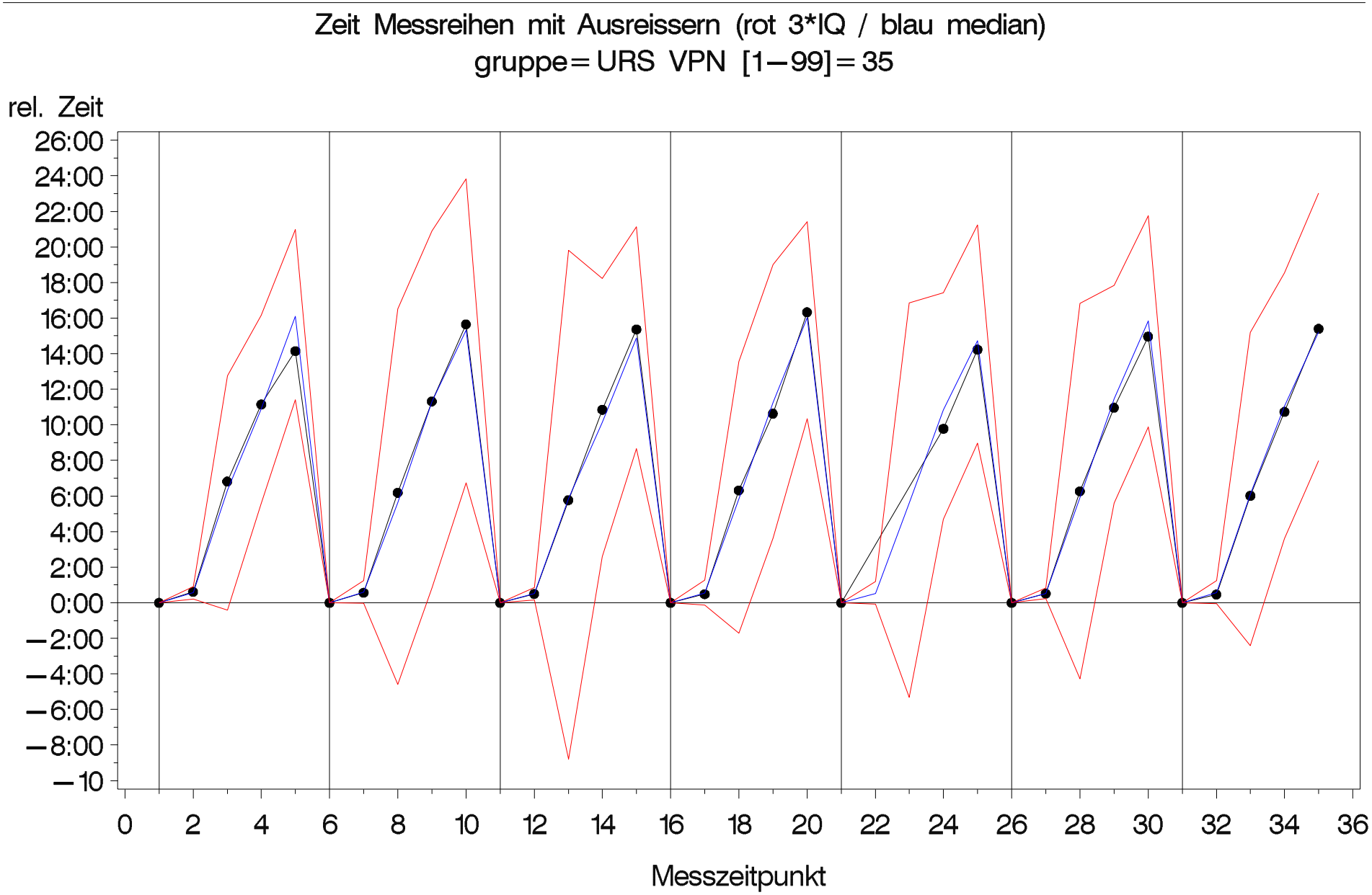
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=35
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
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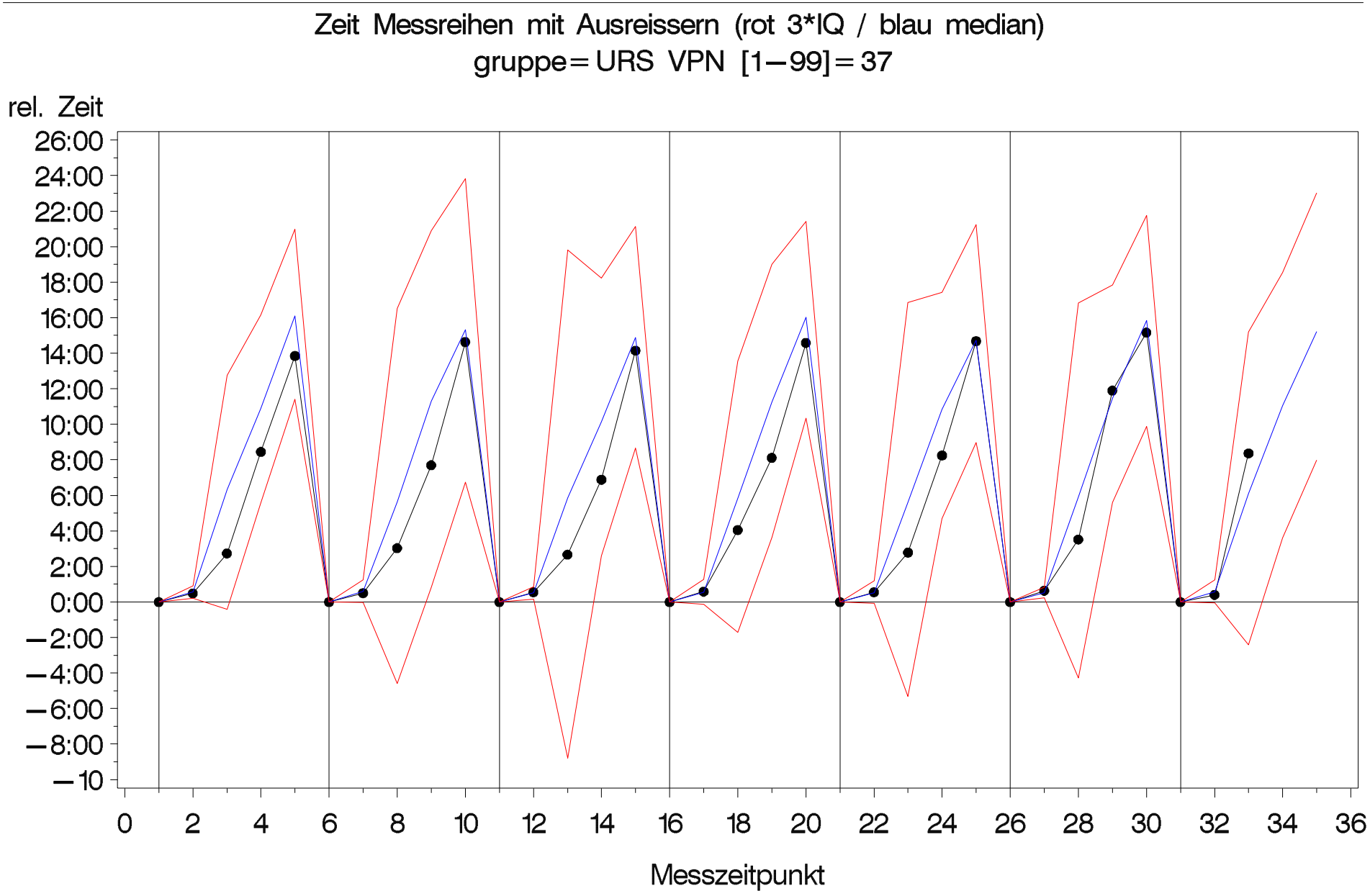
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=37
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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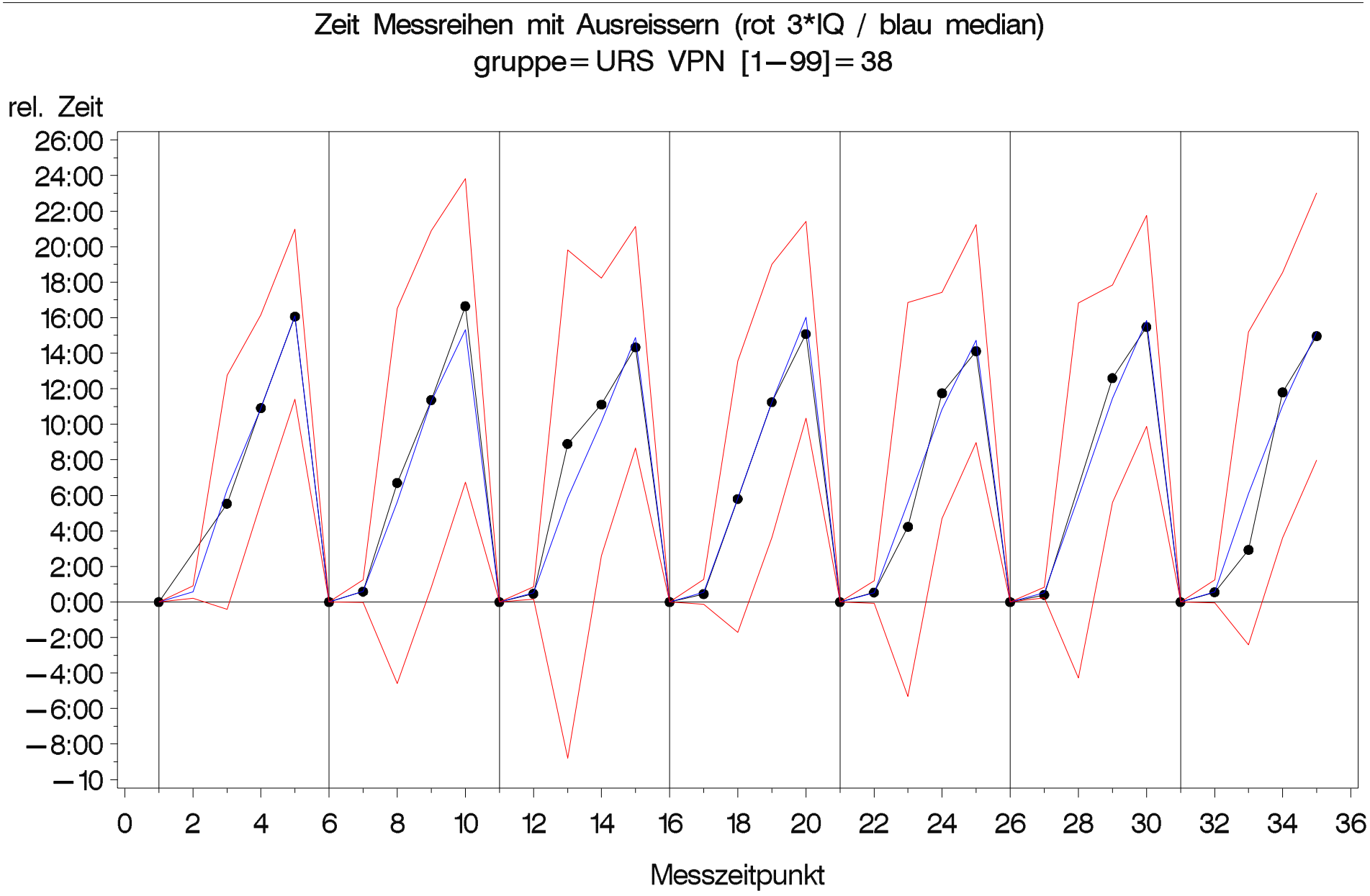
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=38
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
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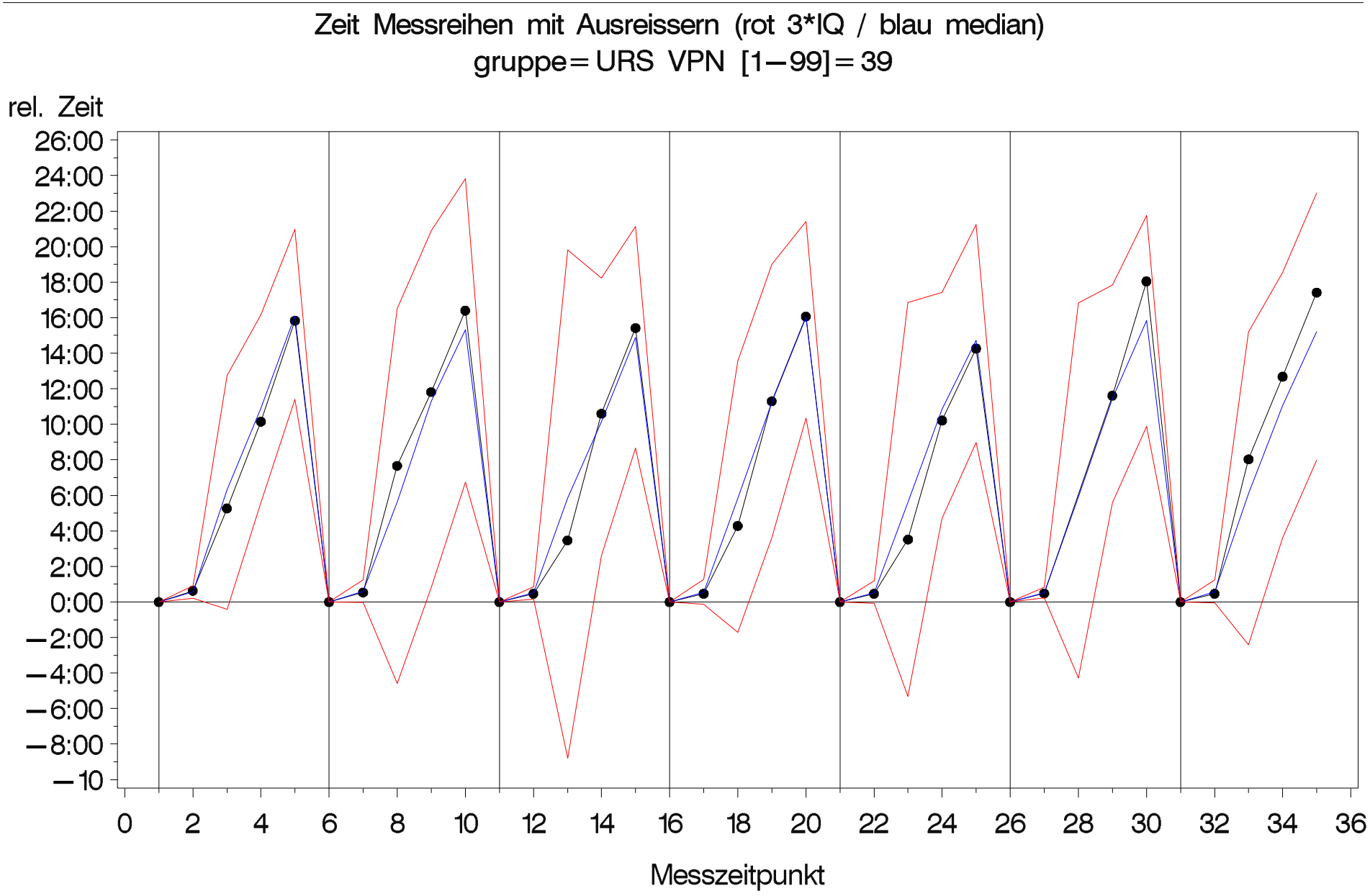
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=39
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
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−6:00
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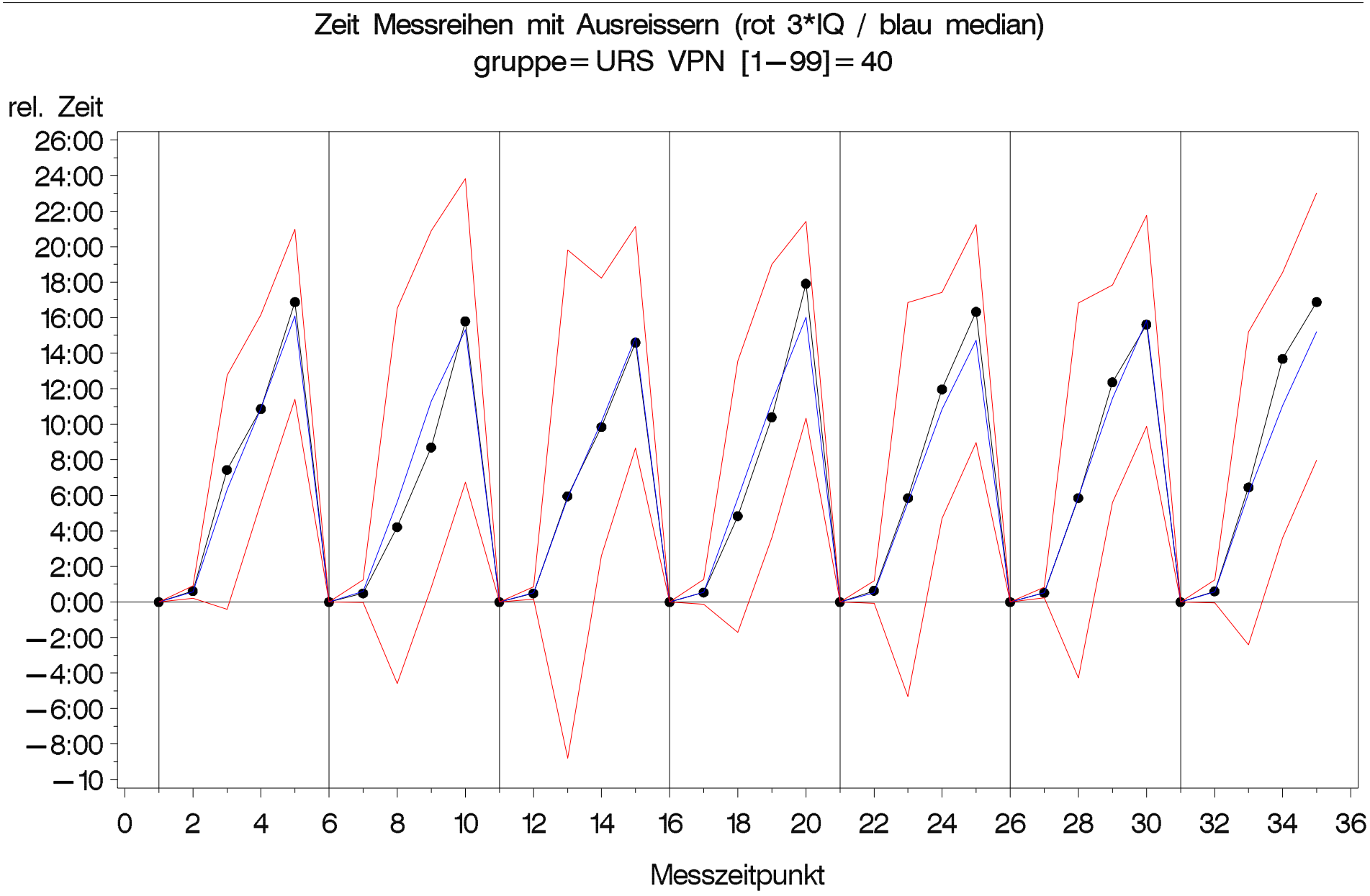
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=40
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−2:00
−4:00
−6:00
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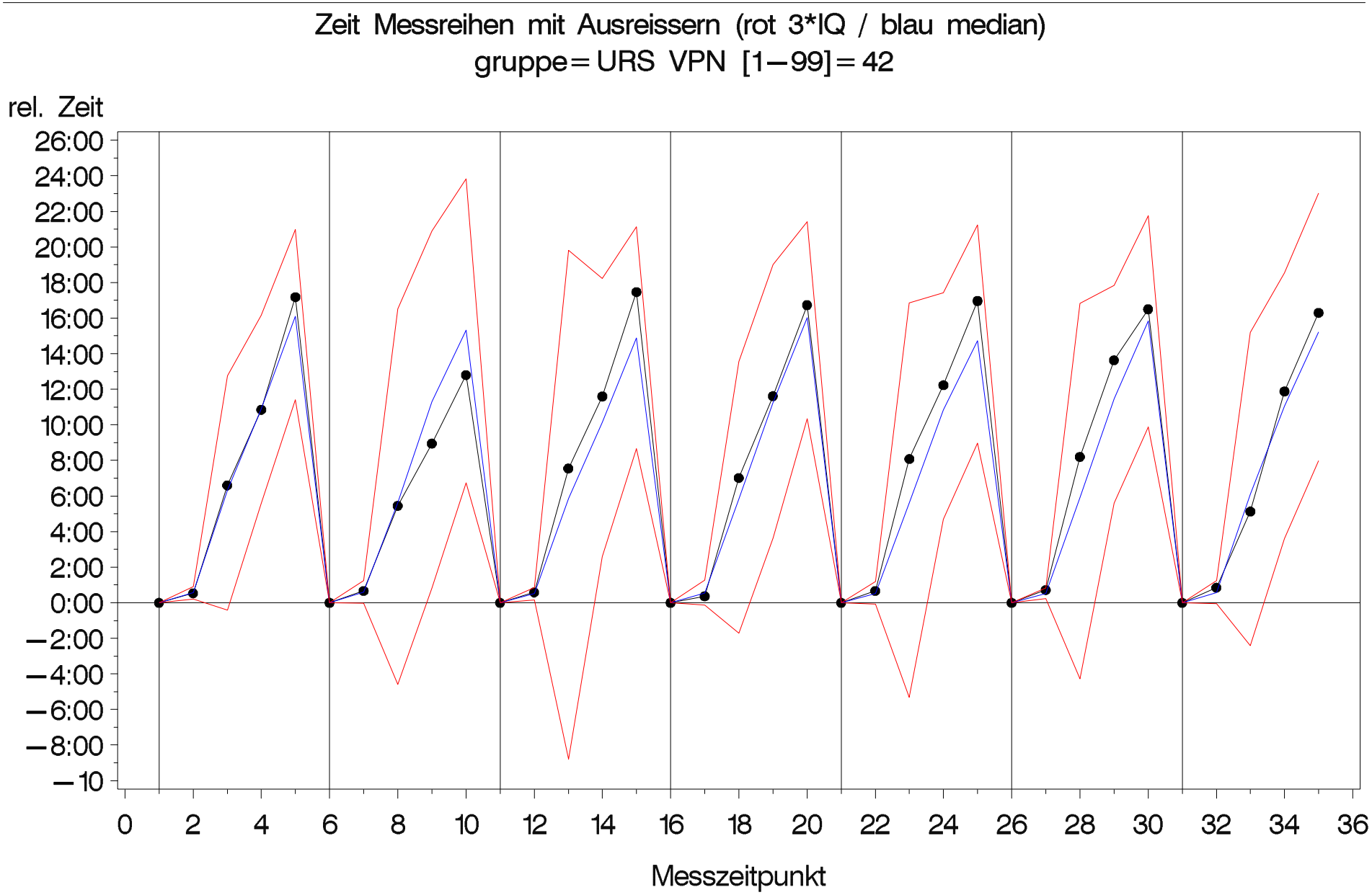
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=42
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−4:00
−6:00
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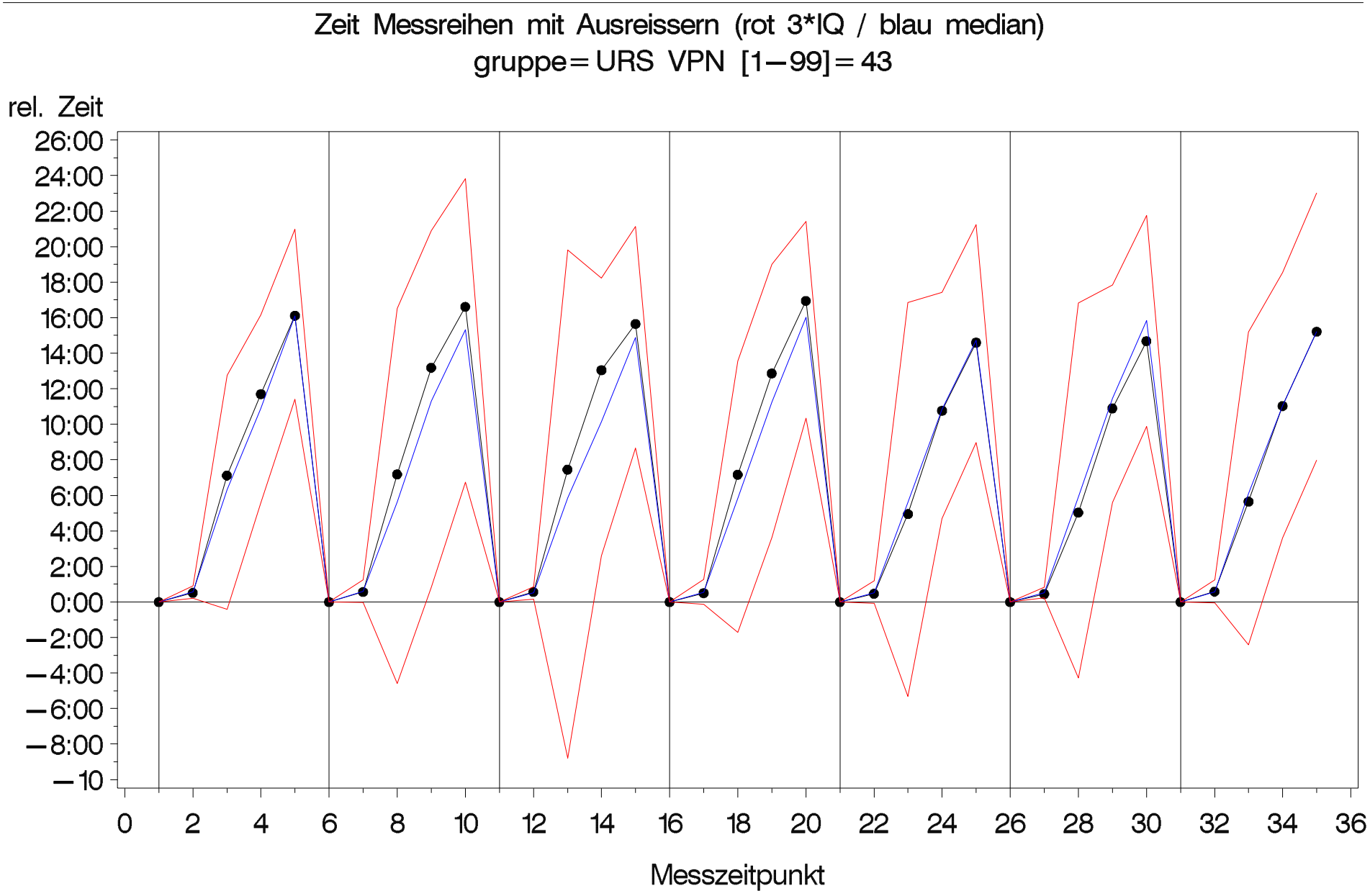
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=43
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
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−6:00
−8:00
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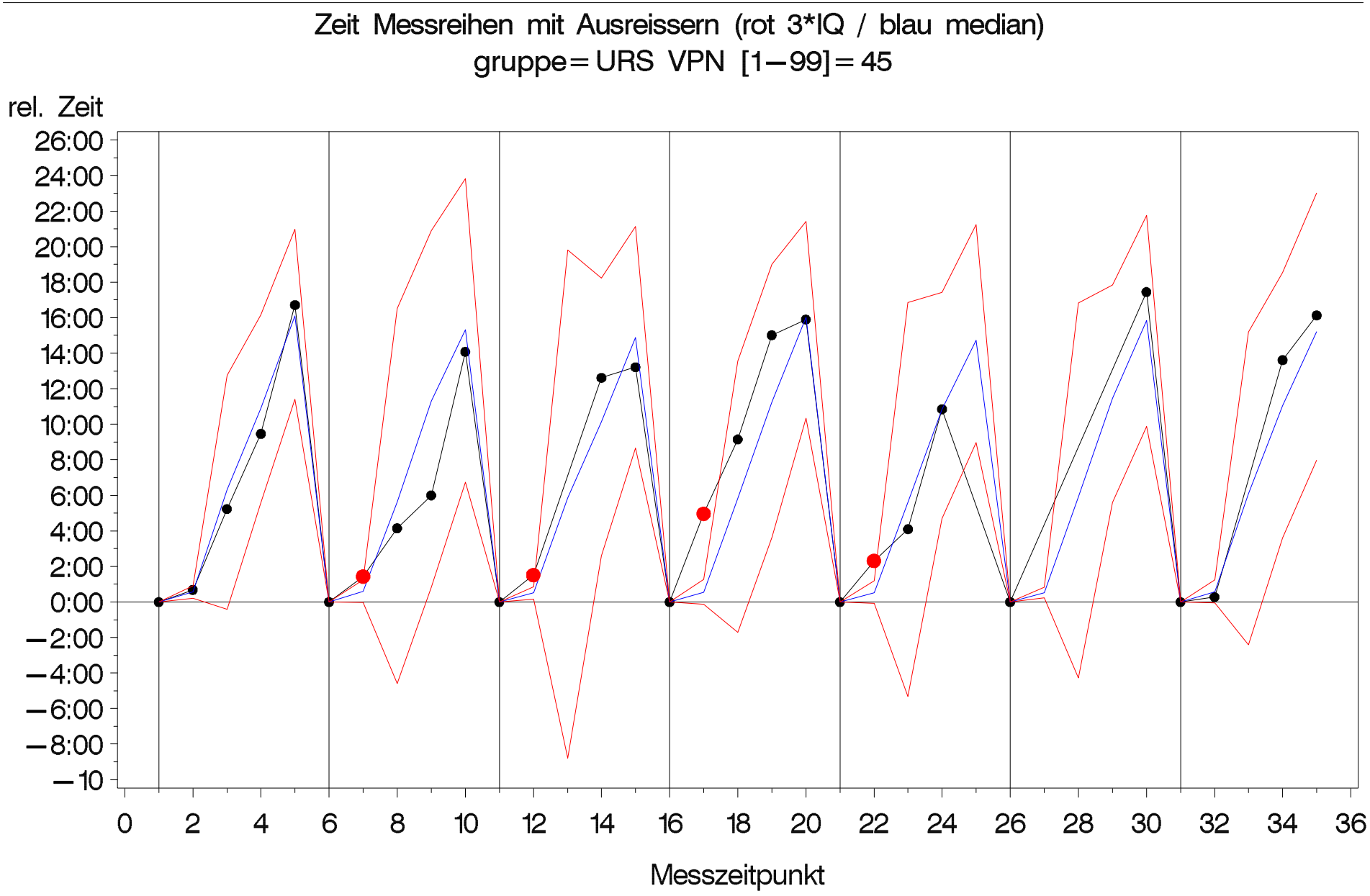
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=45
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
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6:00
4:00
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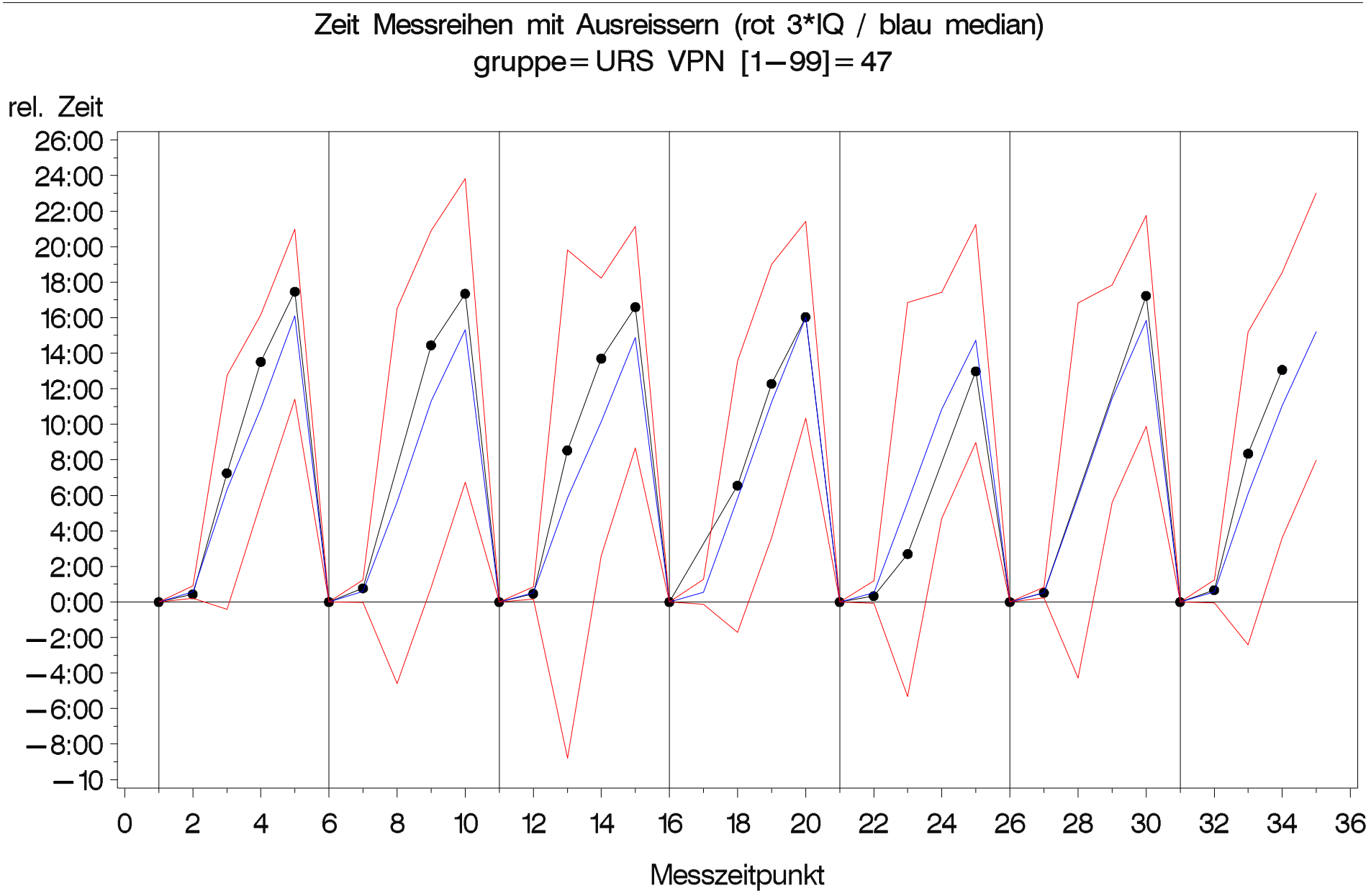
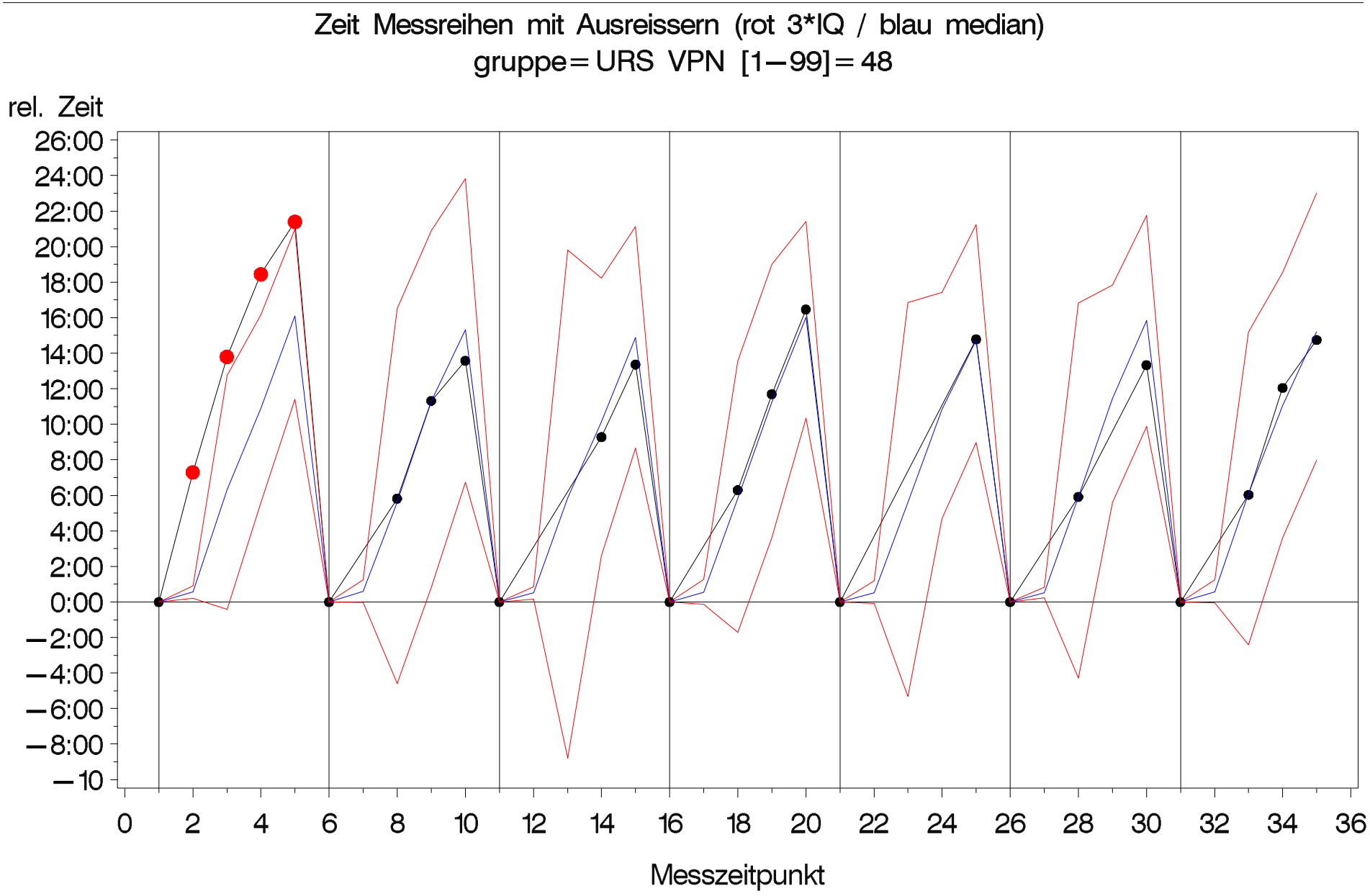
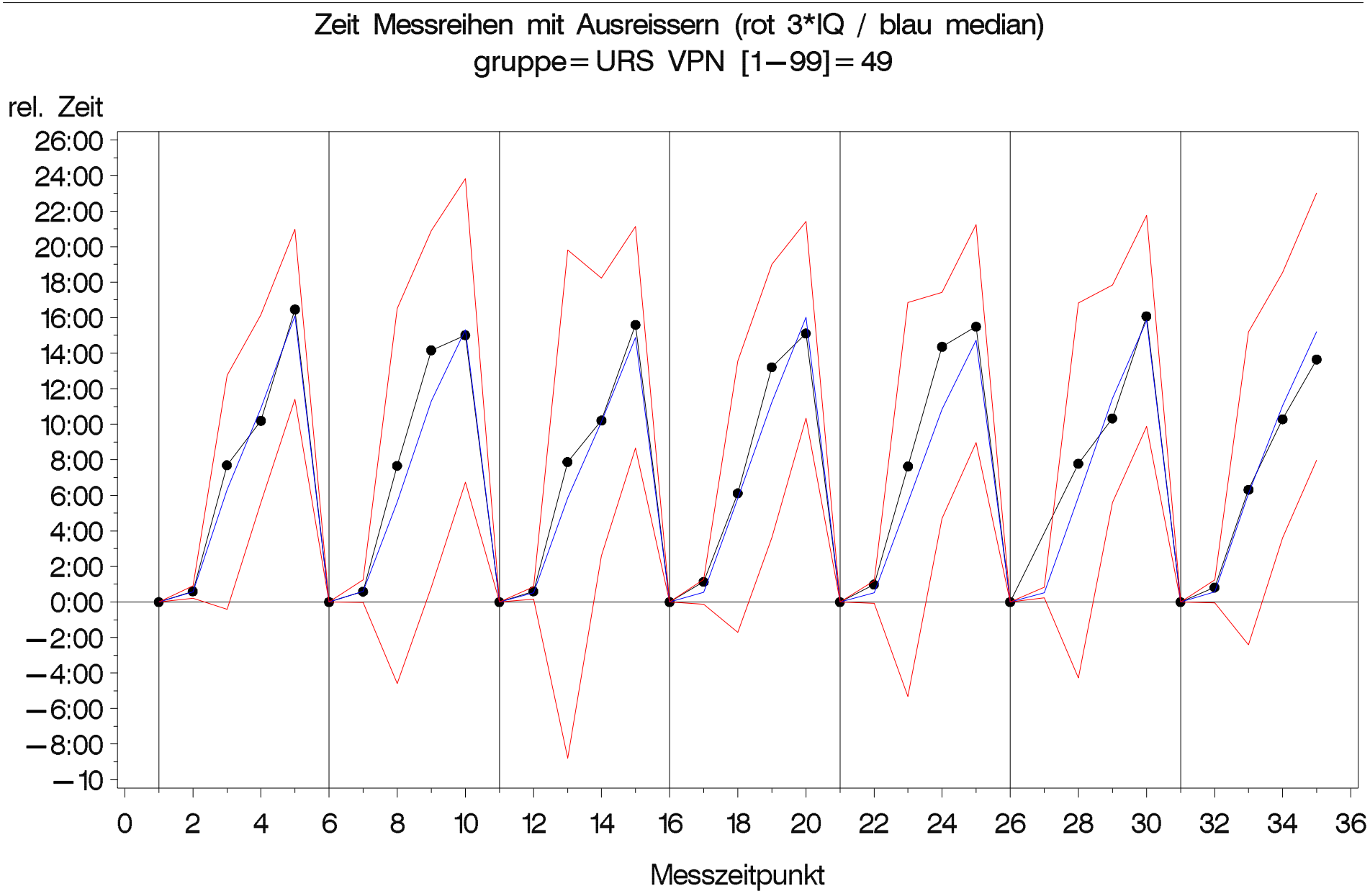
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=47
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=48
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt


Zeit Messreihen mit Ausreissern (rot 3*IQ / blau median)
gruppe=URS VPN [1−99]=49
rel. Zeit
26:00
24:00
22:00
20:00
18:00
16:00
14:00
12:00
10:00
8:00
6:00
4:00
2:00
0:00
−2:00
−4:00
−6:00
−8:00
−10
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
Messzeitpunkt

Anhang 8

Zeiten erste Cortisolmessung

Anhang 8

Zeiten erste Cortisolmessung: Häufigkeitsverteilung

Häufigkeitsverteilung der Cortisolmessungen zum 1. MZP getrennt nach Aufwachzeitkategorien: <=06Uhr, 06:01-08:00 Uhr, 08:01-10:00 Uhr, >10:01 Uhr.

Häufigkeiten Zeit (hh:min)	Häufigkeiten	Prozent	Kumulative Häufigkeiten	Kumulative Prozent
≤ 06:00	74	16.55	74	16.55
06:01-08:00	254	56.82	328	73.38
08:01-10:00	105	23.49	433	96.87
>10:01	14	3.13	447	100.00

Absolute Häufigkeitsverteilung und prozentuale Angaben der Aufwachzeiten zu den vier Aufwachzeitkategorien getrennt für die Tage 1-7

	Aufwachzeitkategorie - Häufigkeitsverteilung						
freq / Tag Zeit (hh:min)	**Tag 1 (N=66)**	**Tag 2 (N=65)**	**Tag 3 (N=64)**	**Tag 4 (N=64)**	**Tag 5 (N=62)**	**Tag 6 (N=63)**	**Tag 7 (N=63)**
≤ 06:00	14 (3.13%)	13 (2.91%)	8 (1.79%)	10 (2.24%)	6 (1.34%)	11 (2.46%)	12 (2.68%)
06:01-08:00	44 (9.84%)	31 (6.94%)	30 (6.71%)	38 (8.50%)	34 (7.61%)	41 (9.17%)	36 (8.05%)
08:01-10:00	7 (1.57%)	18 (4.03%)	23 (5.15%)	15 (3.36%)	18 (4.03%)	10 (2.24%)	14 (3.13%)
>10:01	1 (0.22%)	3 (0.67%)	3 (0.67%)	1 (0.22%)	4 (0.89%)	1 (0.22%)	1 (0.22%)
	66 (14.77%)	65 (14.54%)	64 (14.32%)	64 (14.32%)	62 (13.87%)	63 (14.09%)	63 (14.09%)

```
Mixed Model Analyse: Cort (CS); 1. Messung

The Mixed Procedure

Model Information

Data Set                     WORK.A
Dependent Variable           tabs
Covariance Structure         Compound Symmetry
Subject Effect               vpn(gruppe)
Estimation Method            ML
Residual Variance Method     Profile
Fixed Effects SE Method      Model-Based
Degrees of Freedom Method    Between-Within
```

Class Level Information

Class	Levels	Values
vpn	66	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 83 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
gruppe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	66
Max Obs Per Subject	7

Mixed Model Analyse: Cort (CS); 1. Messung

The Mixed Procedure

Number of Observations

Number of Observations Read	462
Number of Observations Used	446
Number of Observations Not Used	16

Convergence criteria met.

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
CS	vpn(gruppe)	5585035
Residual		19069178

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	362	3.90	0.0009
gruppe	2	63	0.42	0.6596
gruppe*tag	12	362	1.06	0.3922

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	362	0.12	0.7251
Tage 1 und 2	1	362	6.28	0.0127
Tage 1 und 3	1	362	15.73	<.0001
Tage 1 und 4	1	362	2.93	0.0879
Tage 1 und 5	1	362	11.02	0.0010

Tage 1 und 6	1	362	0.40	0.5270
Tage 1 und 7	1	362	3.55	0.0603
Tage 2 und 3	1	362	2.21	0.1384
Tage 2 und 4	1	362	0.60	0.4376
Tage 2 und 5	1	362	0.70	0.4020
Tage 2 und 6	1	362	3.32	0.0694
Tage 2 und 7	1	362	0.35	0.5551
Tage 3 und 4	1	362	5.06	0.0251
Tage 3 und 5	1	362	0.41	0.5221
Tage 3 und 6	1	362	10.70	0.0012
Tage 3 und 7	1	362	4.23	0.0405
Tage 4 und 5	1	362	2.58	0.1092
Tage 4 und 6	1	362	1.10	0.2946
Tage 4 und 7	1	362	0.03	0.8562
Tage 5 und 6	1	362	6.92	0.0089
Tage 5 und 7	1	362	2.01	0.1575
Tage 6 und 7	1	362	1.50	0.2215

Kriterium: Aufwachzeitkategorie

Mixed Model Analyse: Cort (CS); 1. Messung

The Mixed Procedure

Model Information

Data Set	WORK.A
Dependent Variable	monitor_e0_zus
Covariance Structure	Compound Symmetry
Subject Effect	vpn(gruppe)
Estimation Method	ML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information

Class	Levels	Values
vpn	66	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 83 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
gruppe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	66
Max Obs Per Subject	7

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	362	3.40	0.0029
gruppe	2	63	1.07	0.3503
gruppe*tag	12	362	1.13	0.3375

Contrasts

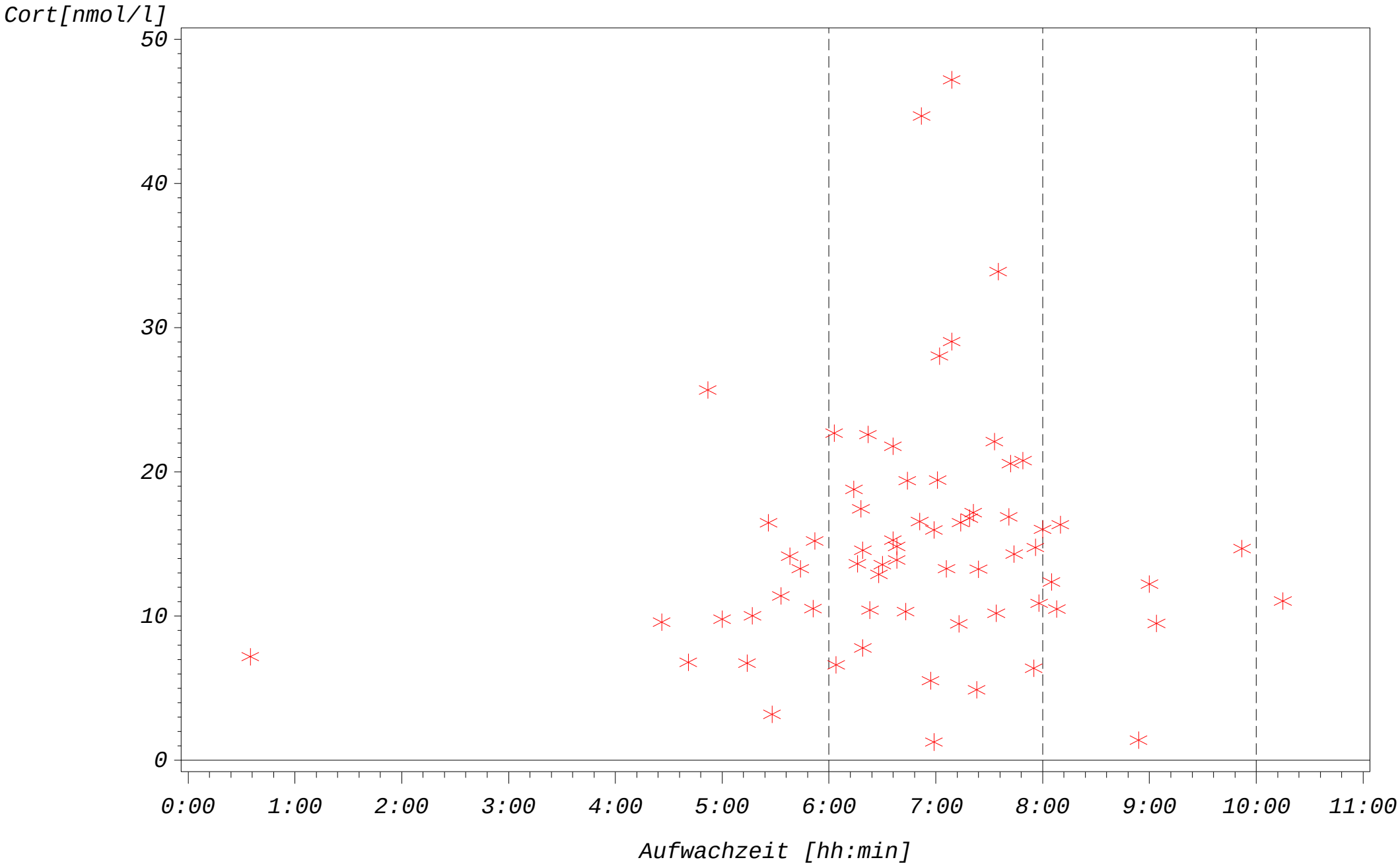
Label	Num DF	Den DF	F Value	Pr > F
Tag	1	362	0.06	0.8093
Tage 1 und 2	1	362	4.81	0.0290
Tage 1 und 3	1	362	12.99	0.0004
Tage 1 und 4	1	362	2.33	0.1278
Tage 1 und 5	1	362	11.21	0.0009
Tage 1 und 6	1	362	0.73	0.3937
Tage 1 und 7	1	362	1.59	0.2081
Tage 2 und 3	1	362	2.05	0.1529
Tage 2 und 4	1	362	0.42	0.5151
Tage 2 und 5	1	362	1.38	0.2403
Tage 2 und 6	1	362	1.68	0.1960
Tage 2 und 7	1	362	0.82	0.3669
Tage 3 und 4	1	362	4.29	0.0389
Tage 3 und 5	1	362	0.06	0.7991
Tage 3 und 6	1	362	7.28	0.0073
Tage 3 und 7	1	362	5.35	0.0212
Tage 4 und 5	1	362	3.30	0.0700
Tage 4 und 6	1	362	0.42	0.5165
Tage 4 und 7	1	362	0.06	0.7992
Tage 5 und 6	1	362	5.96	0.0151
Tage 5 und 7	1	362	4.25	0.0401
Tage 6 und 7	1	362	0.16	0.6933

Anhang 9

Ausprägung der Cortisolwerte
in Abhängigkeit von der Aufwachzeit

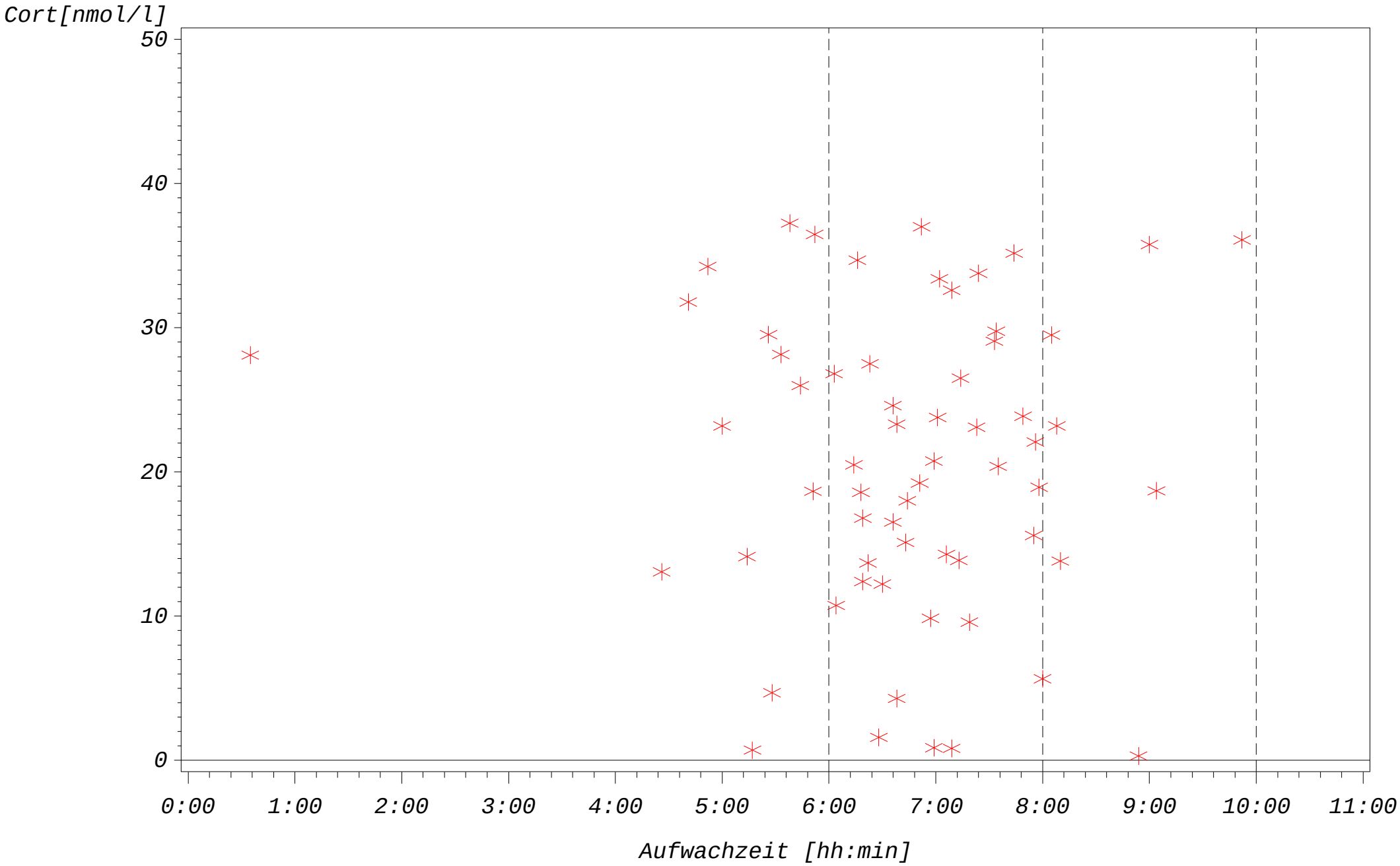
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=1 Messzeitpunkt=1



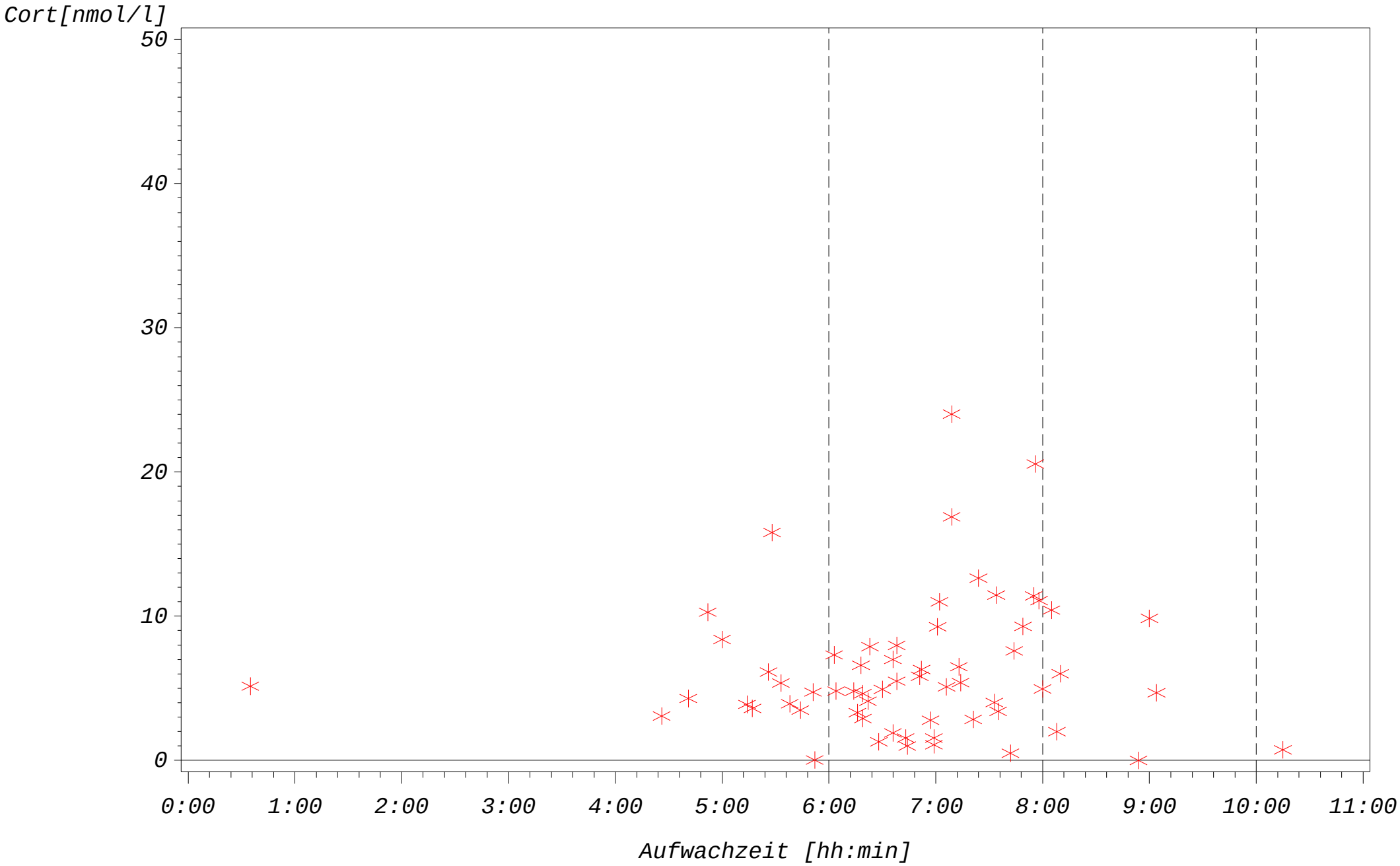
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=1 Messzeitpunkt=2



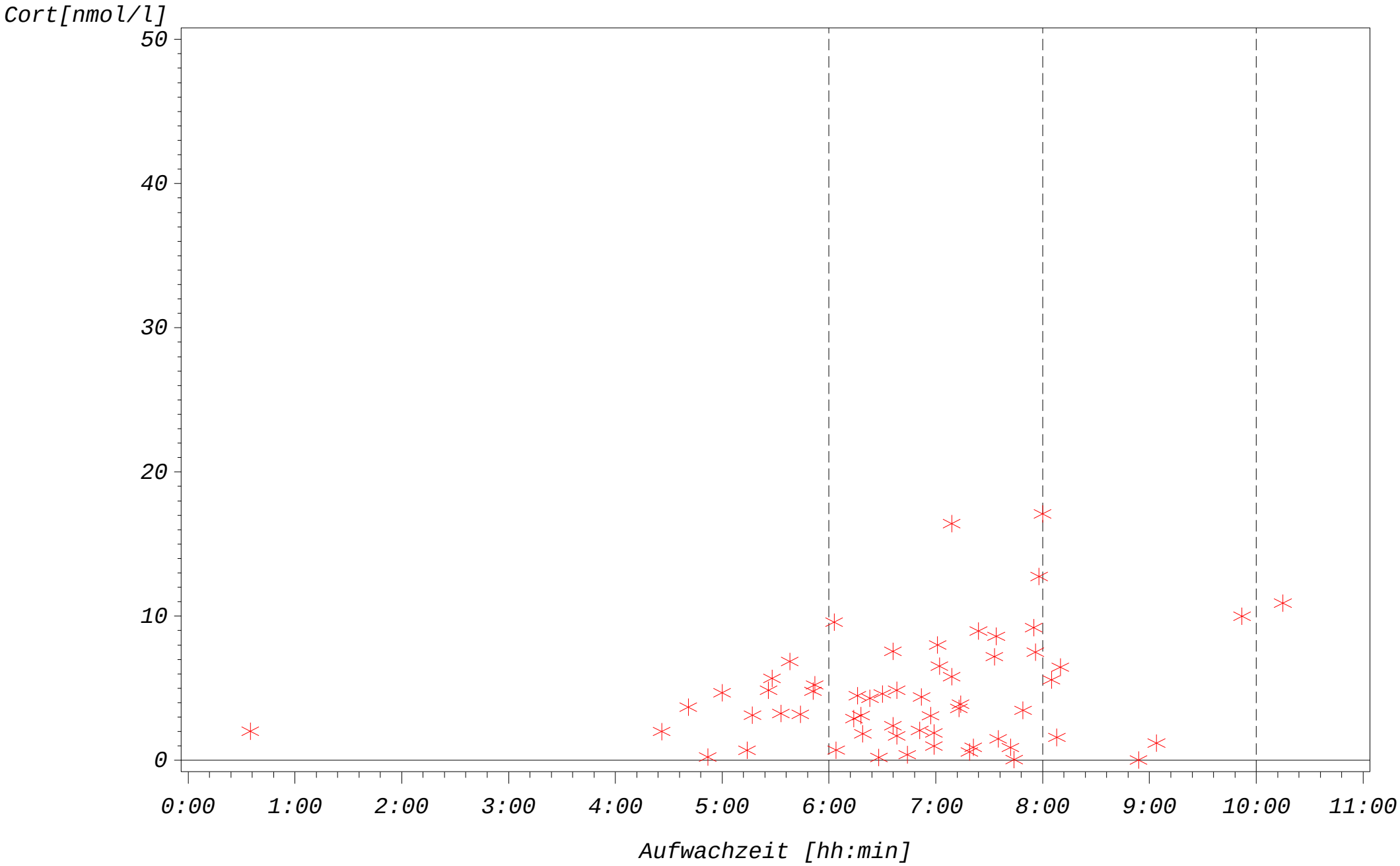
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=1 Messzeitpunkt=3



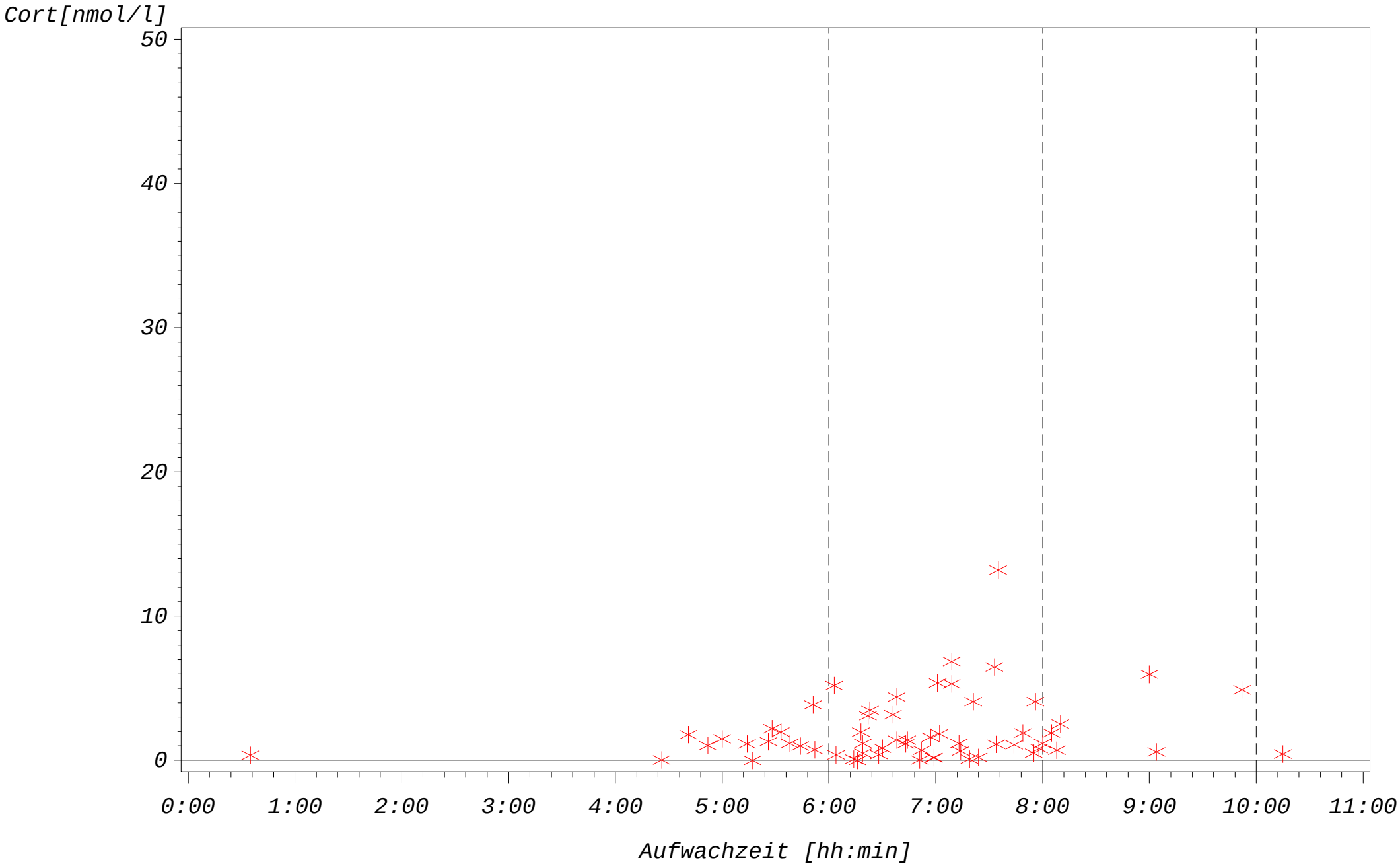
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=1 Messzeitpunkt=4



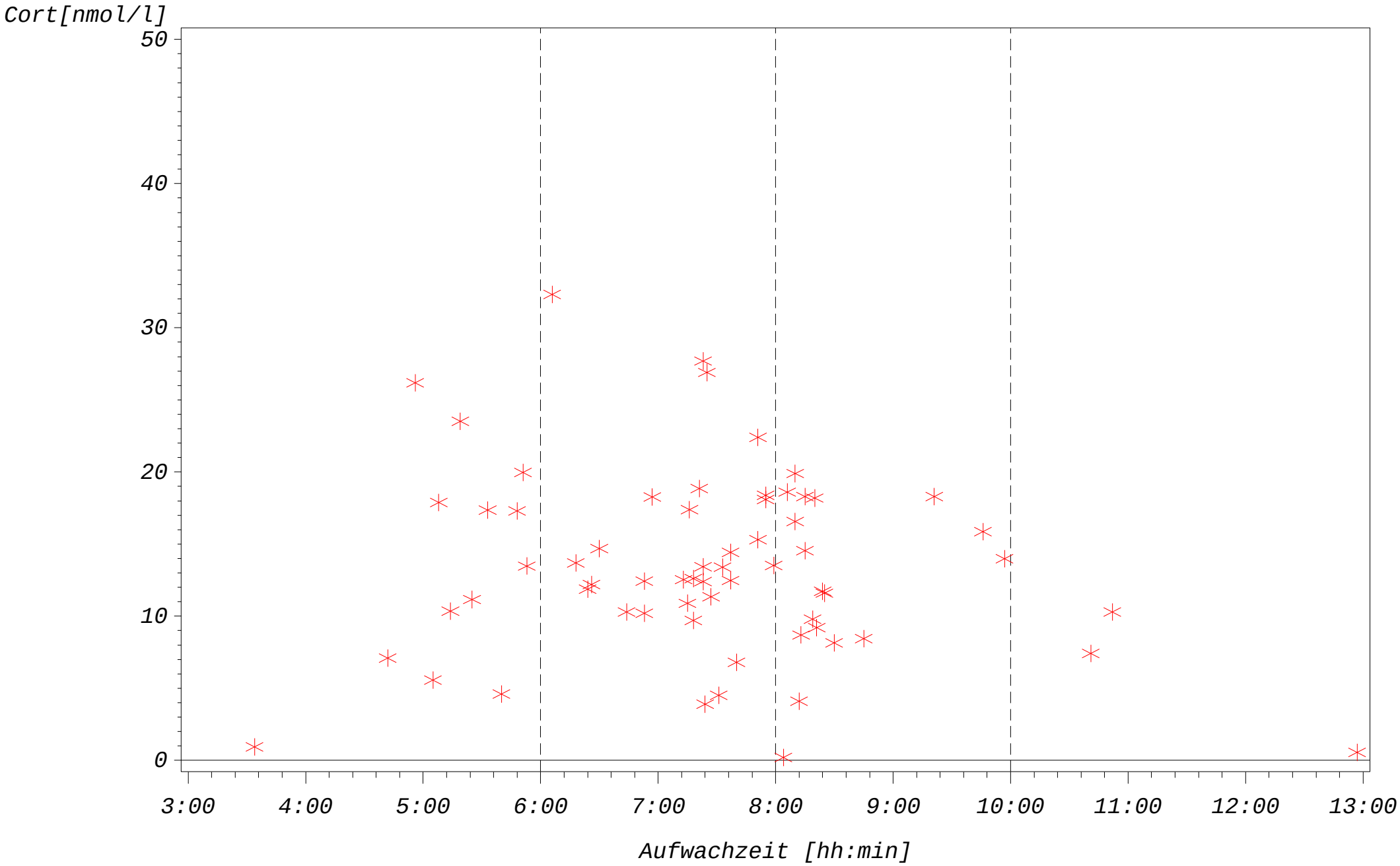
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=1 Messzeitpunkt=5



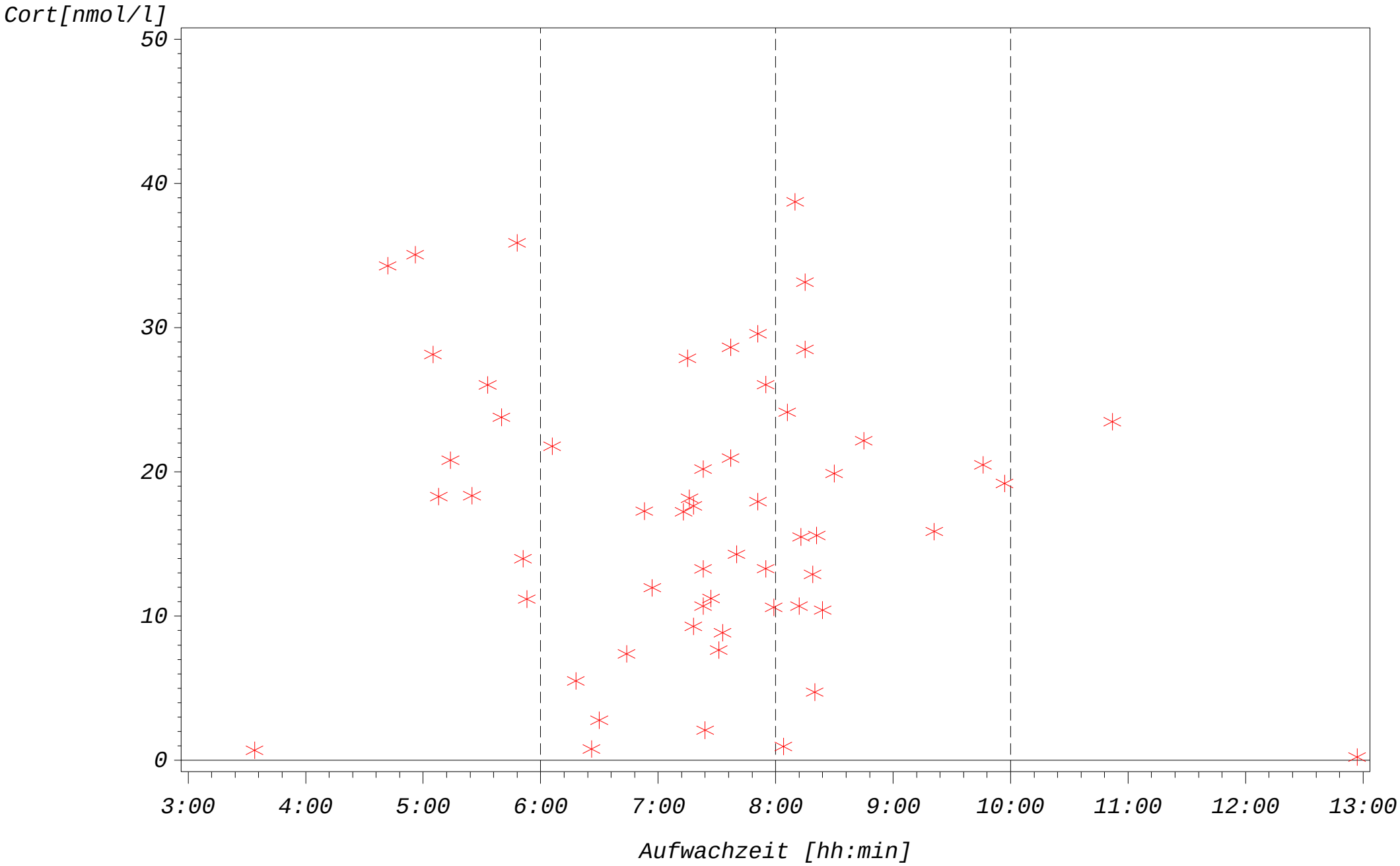
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=2 Messzeitpunkt=1



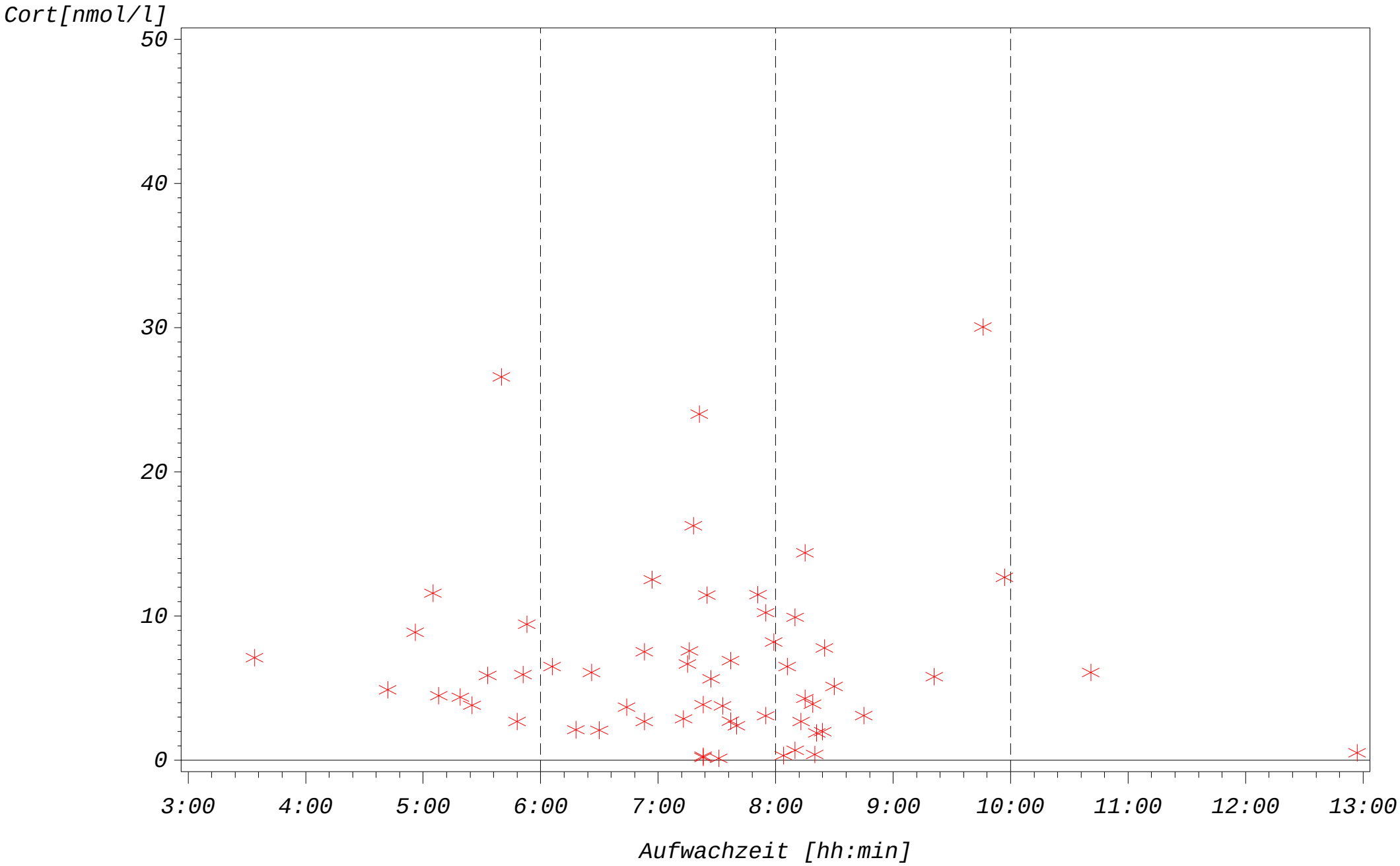
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=2 Messzeitpunkt=2



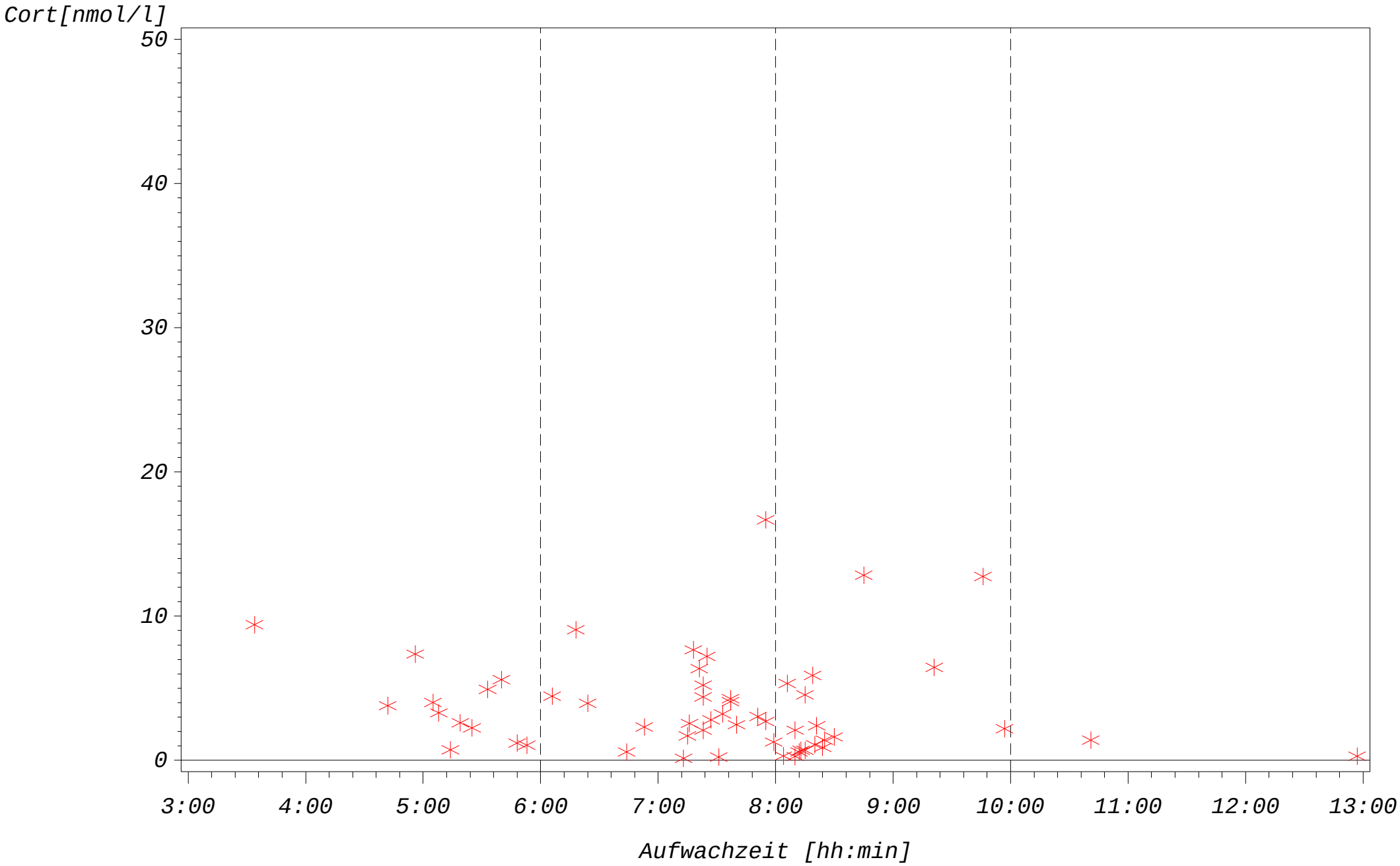
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=2 Messzeitpunkt=3



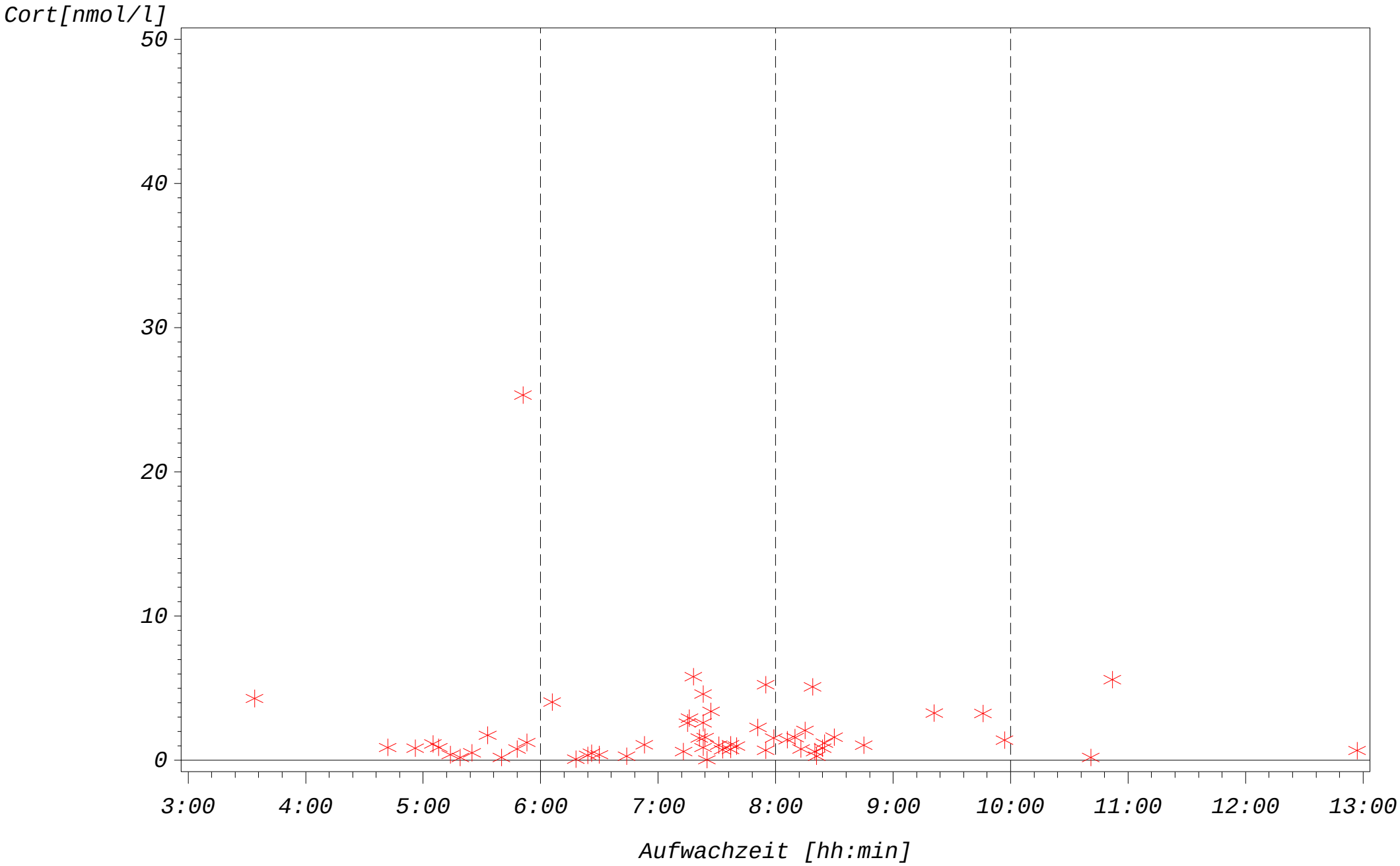
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=2 Messzeitpunkt=4



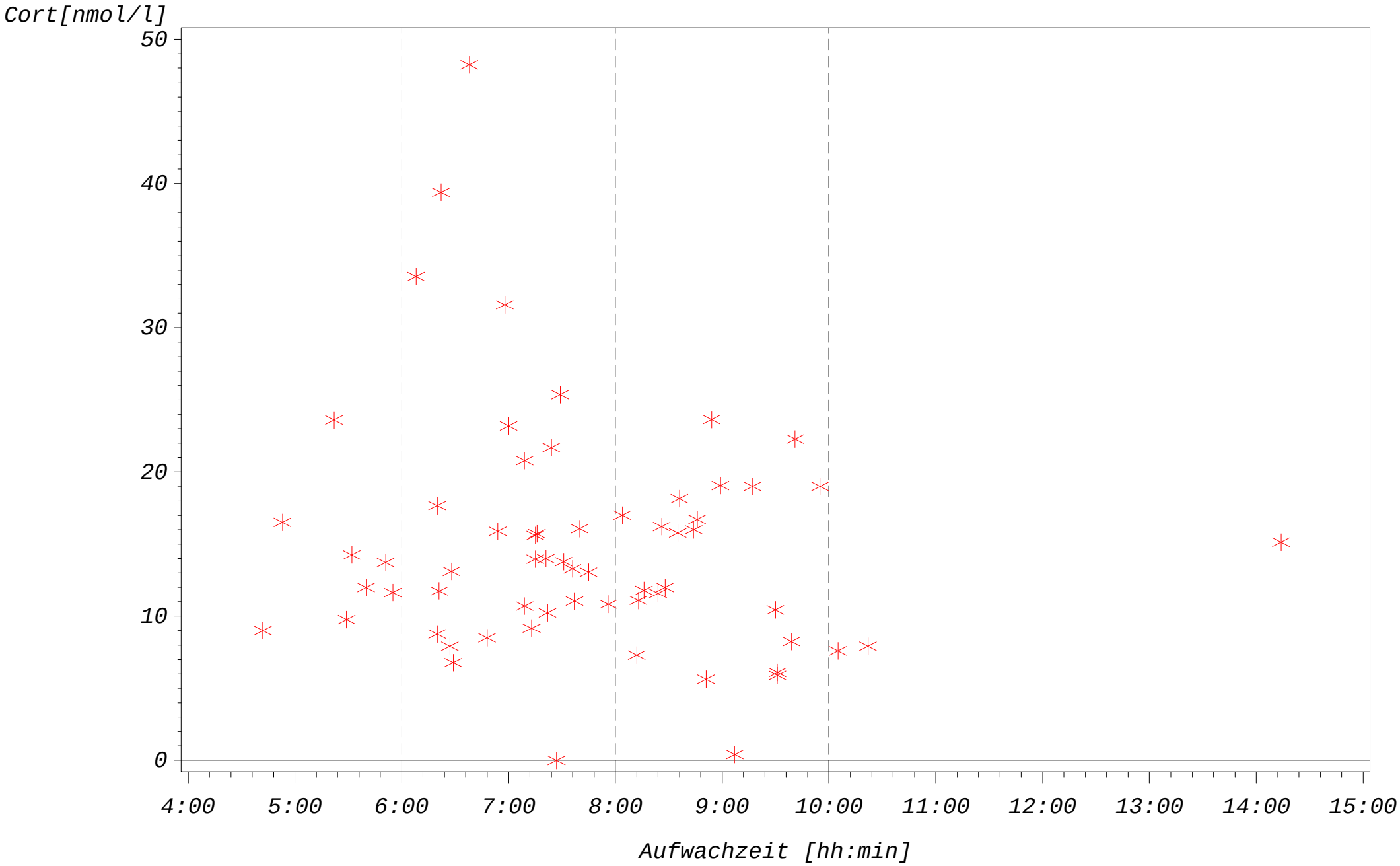
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=2 Messzeitpunkt=5



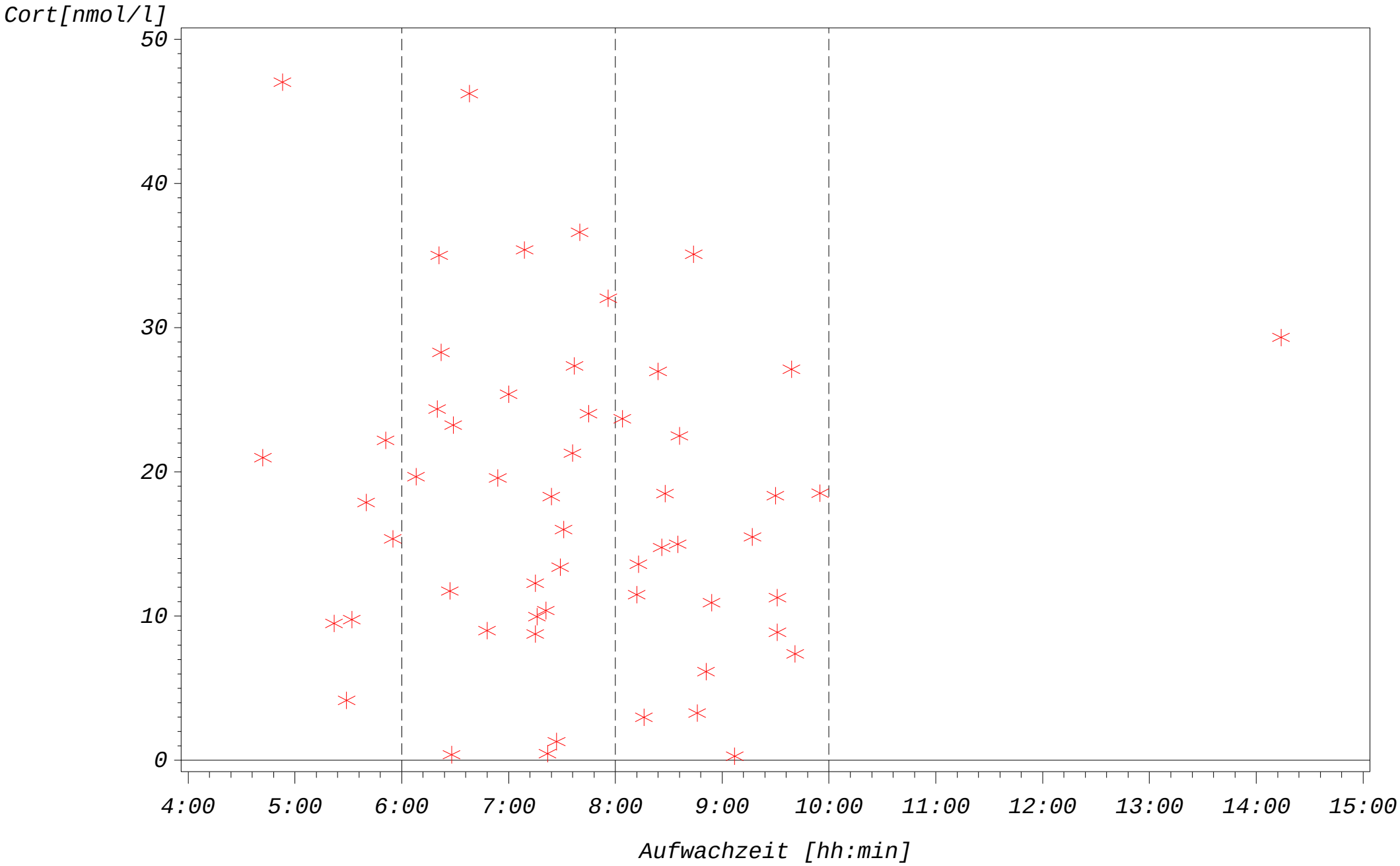
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=3 Messzeitpunkt=1



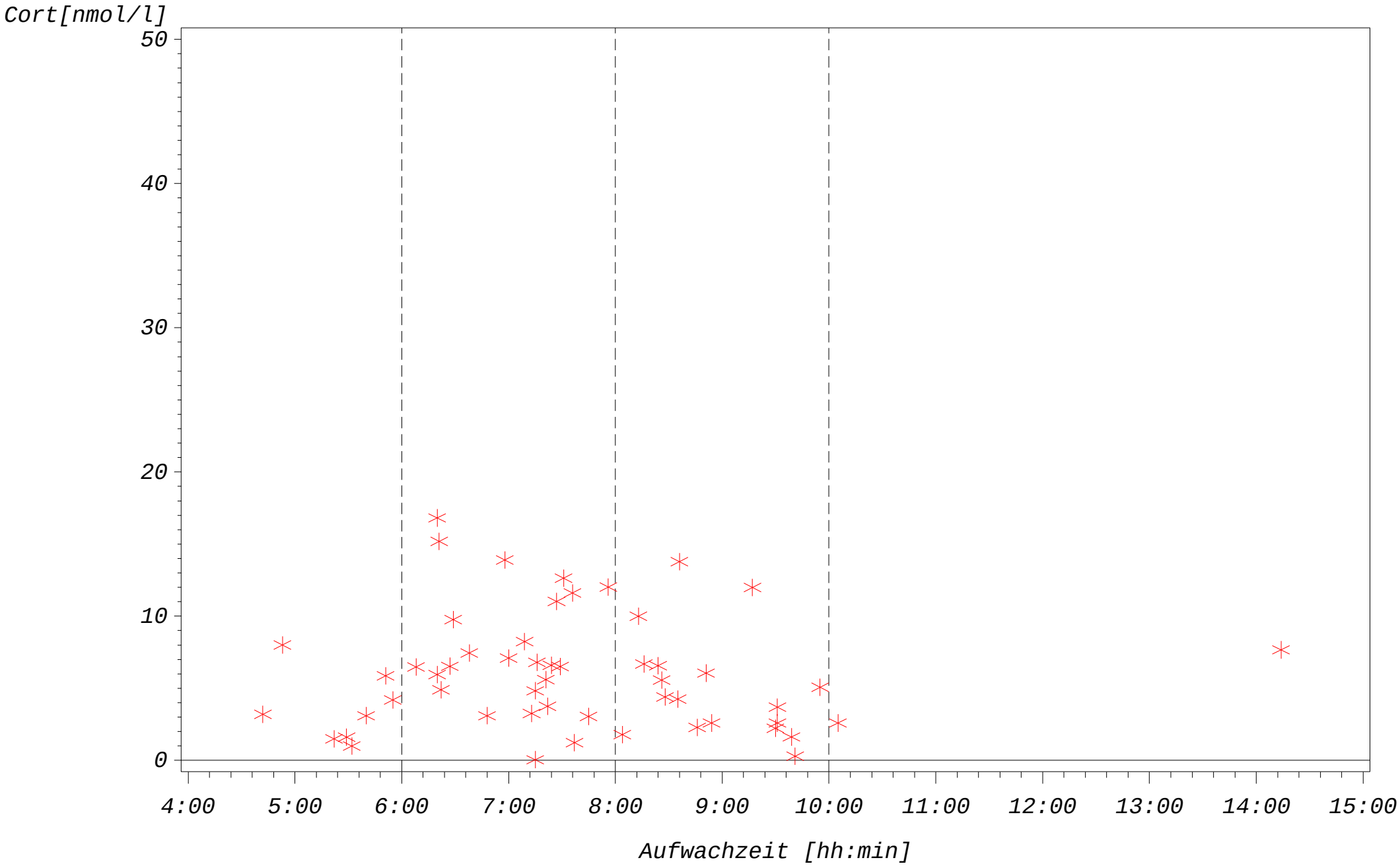
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=3 Messzeitpunkt=2



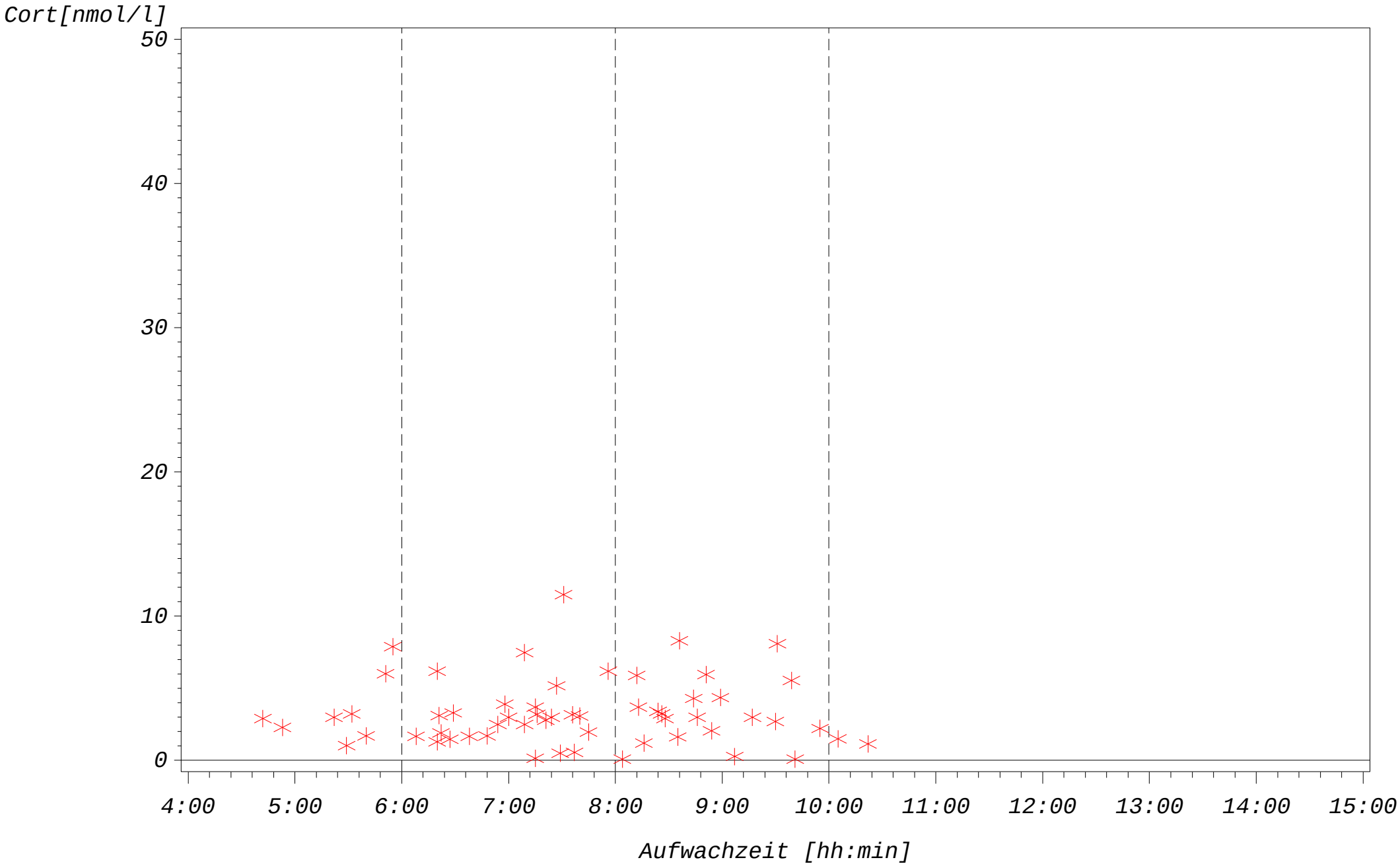
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=3 Messzeitpunkt=3



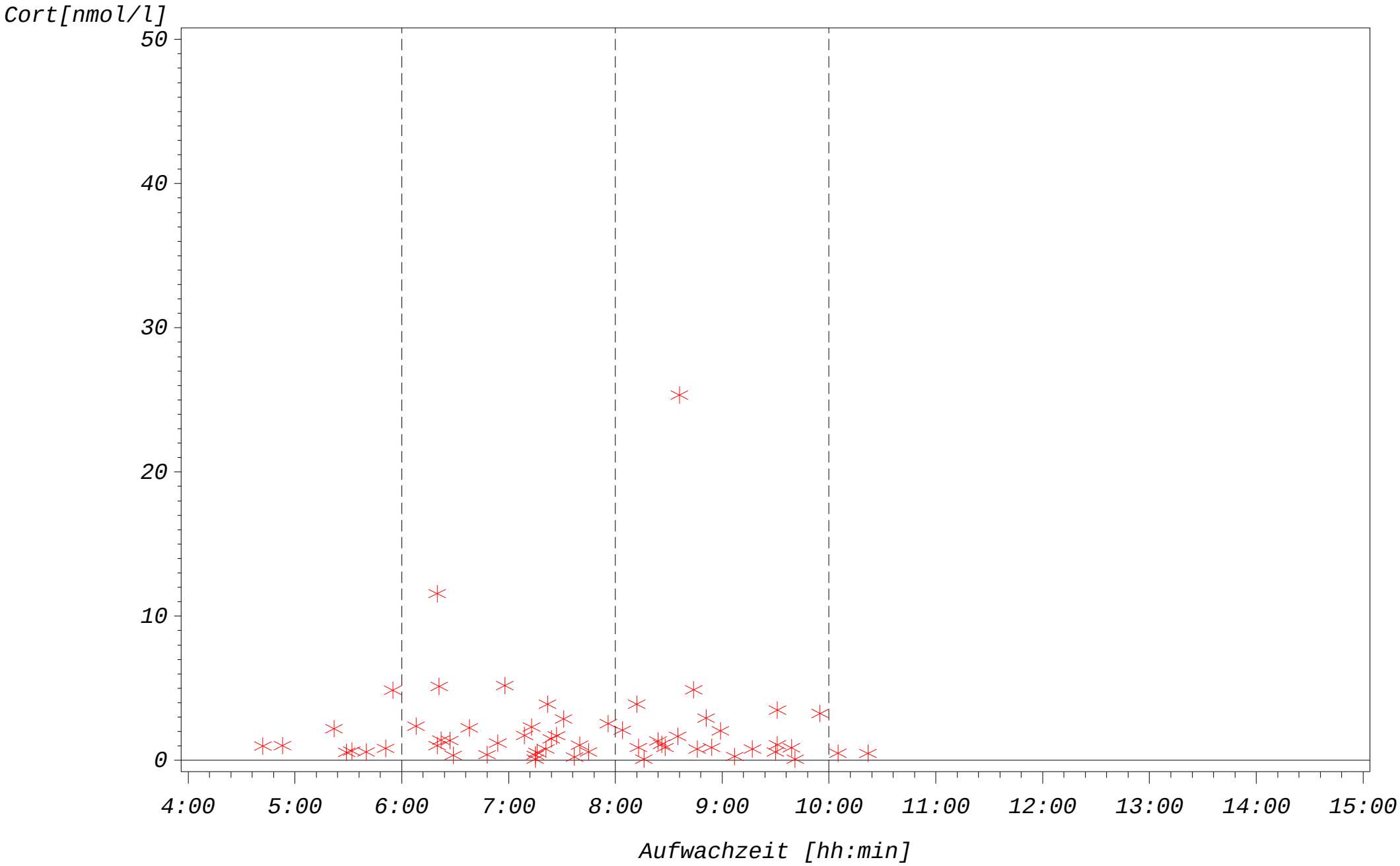
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=3 Messzeitpunkt=4



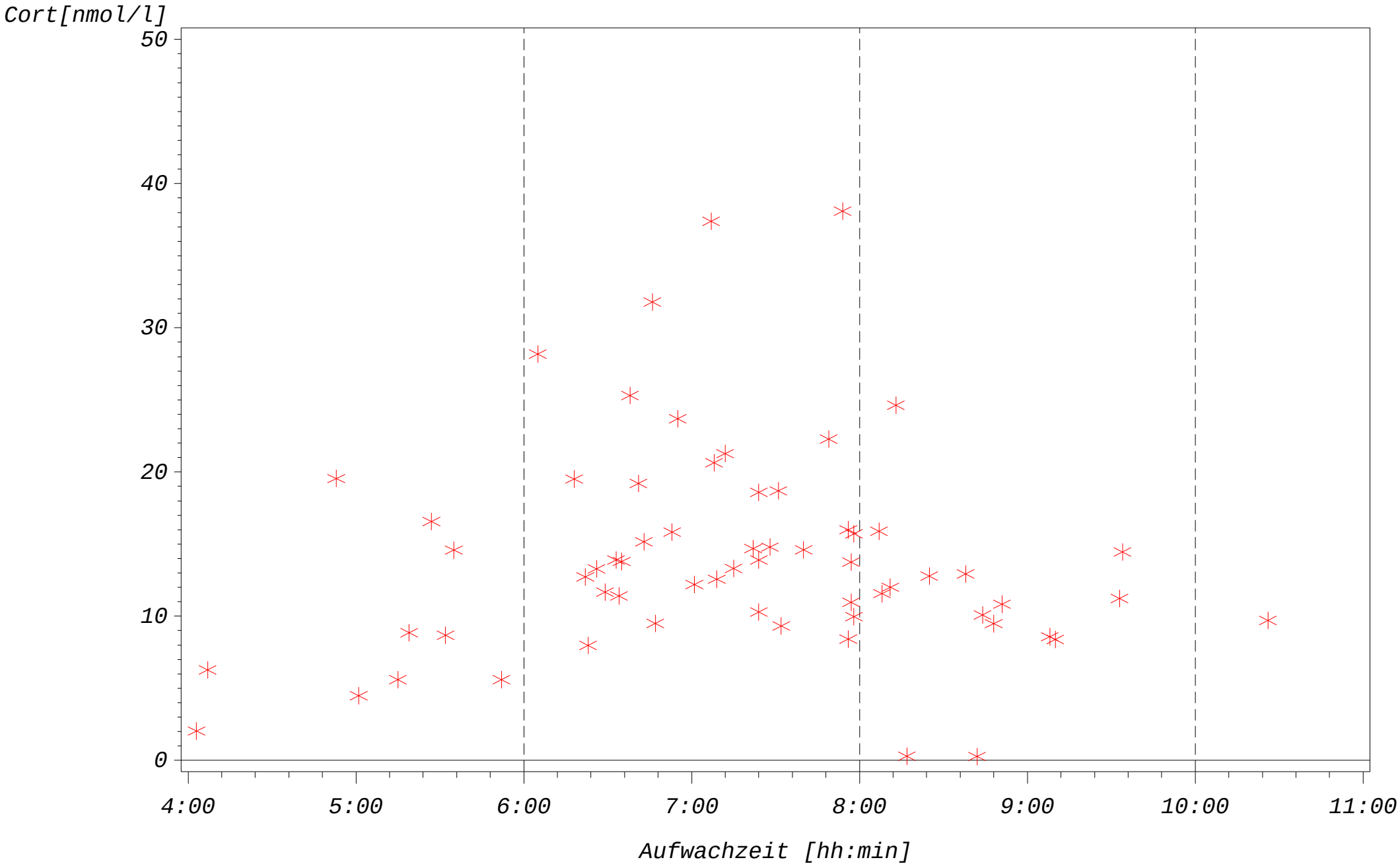
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=3 Messzeitpunkt=5



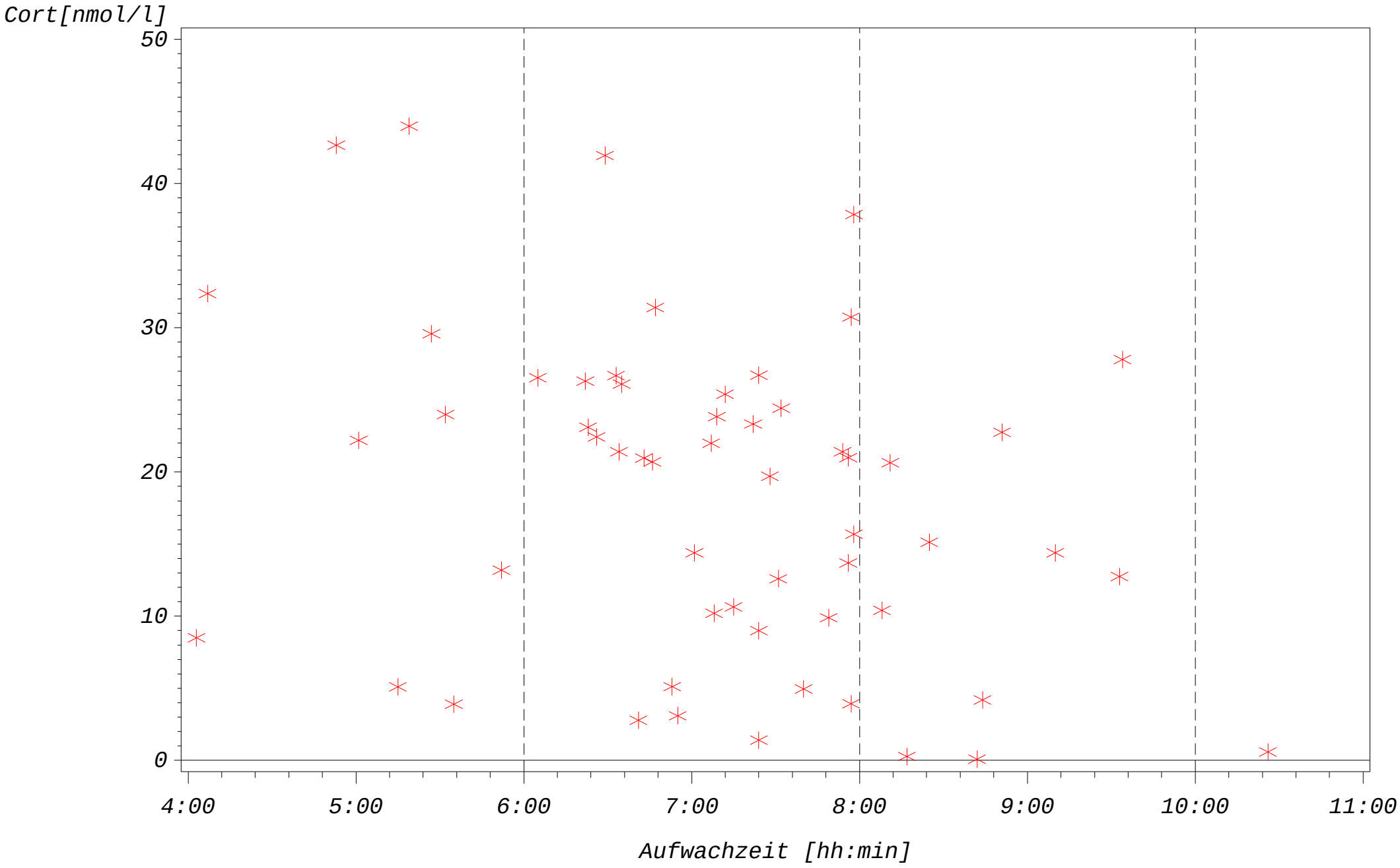
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=4 Messzeitpunkt=1



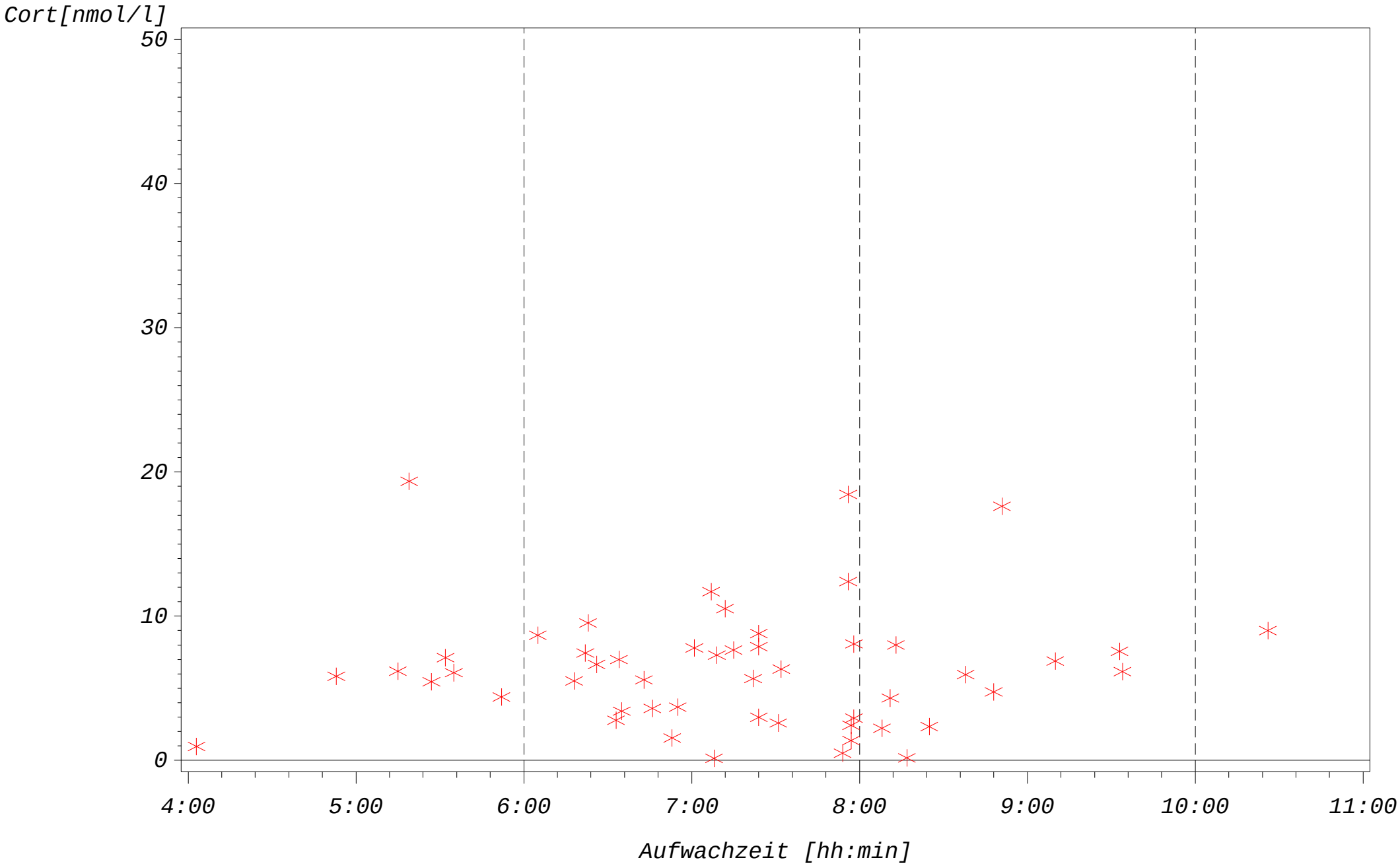
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=4 Messzeitpunkt=2



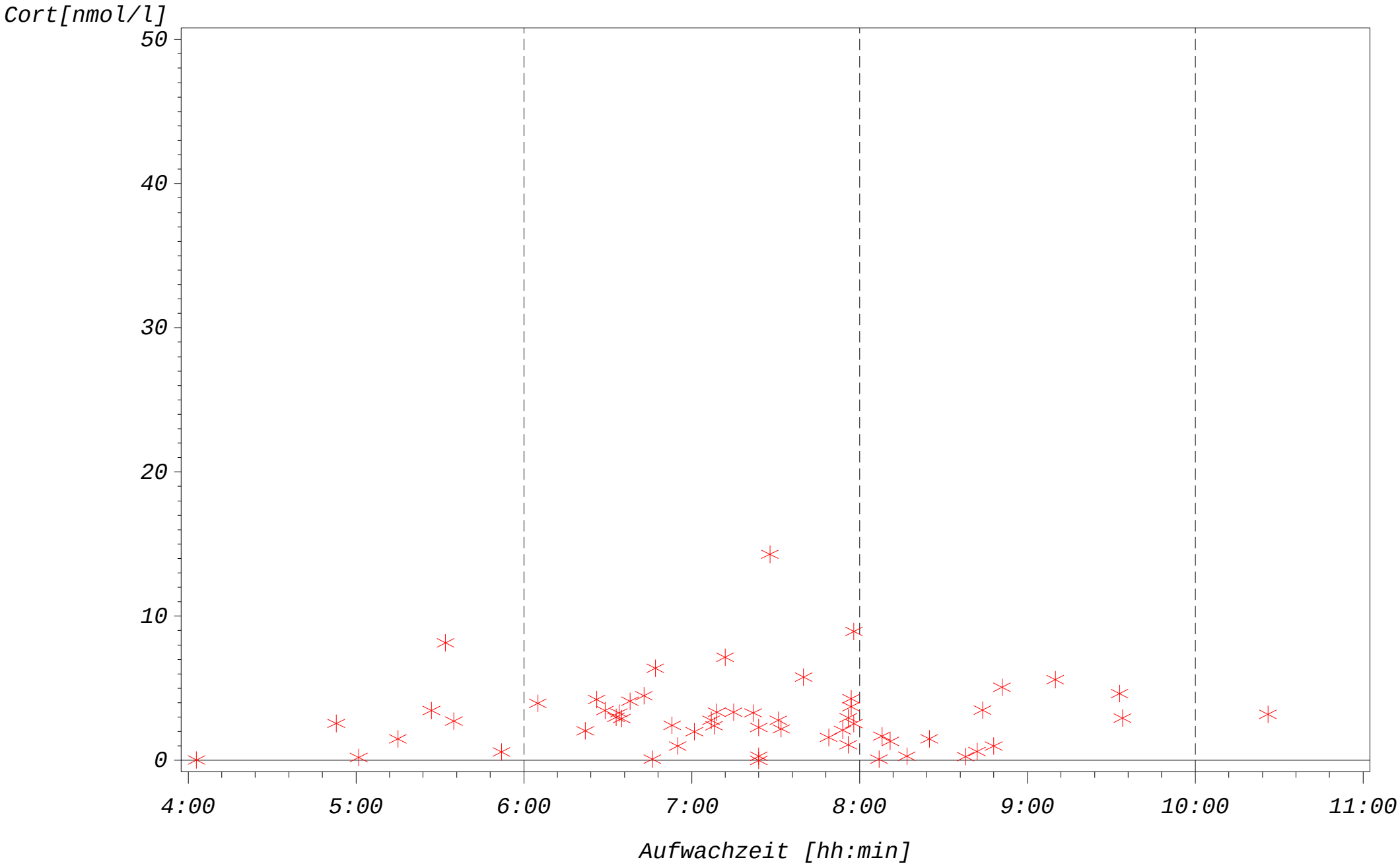
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=4 Messzeitpunkt=3



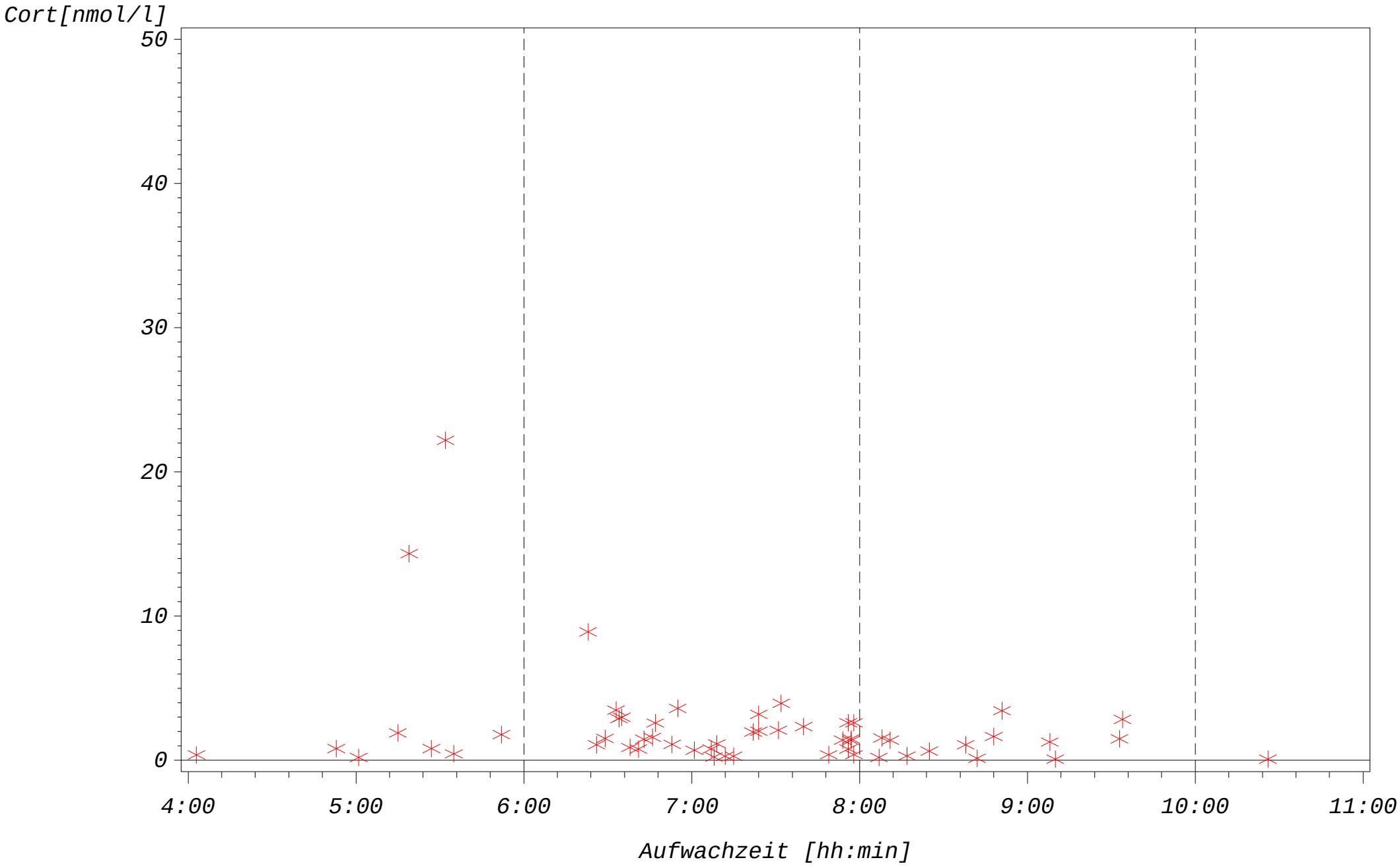
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=4 Messzeitpunkt=4



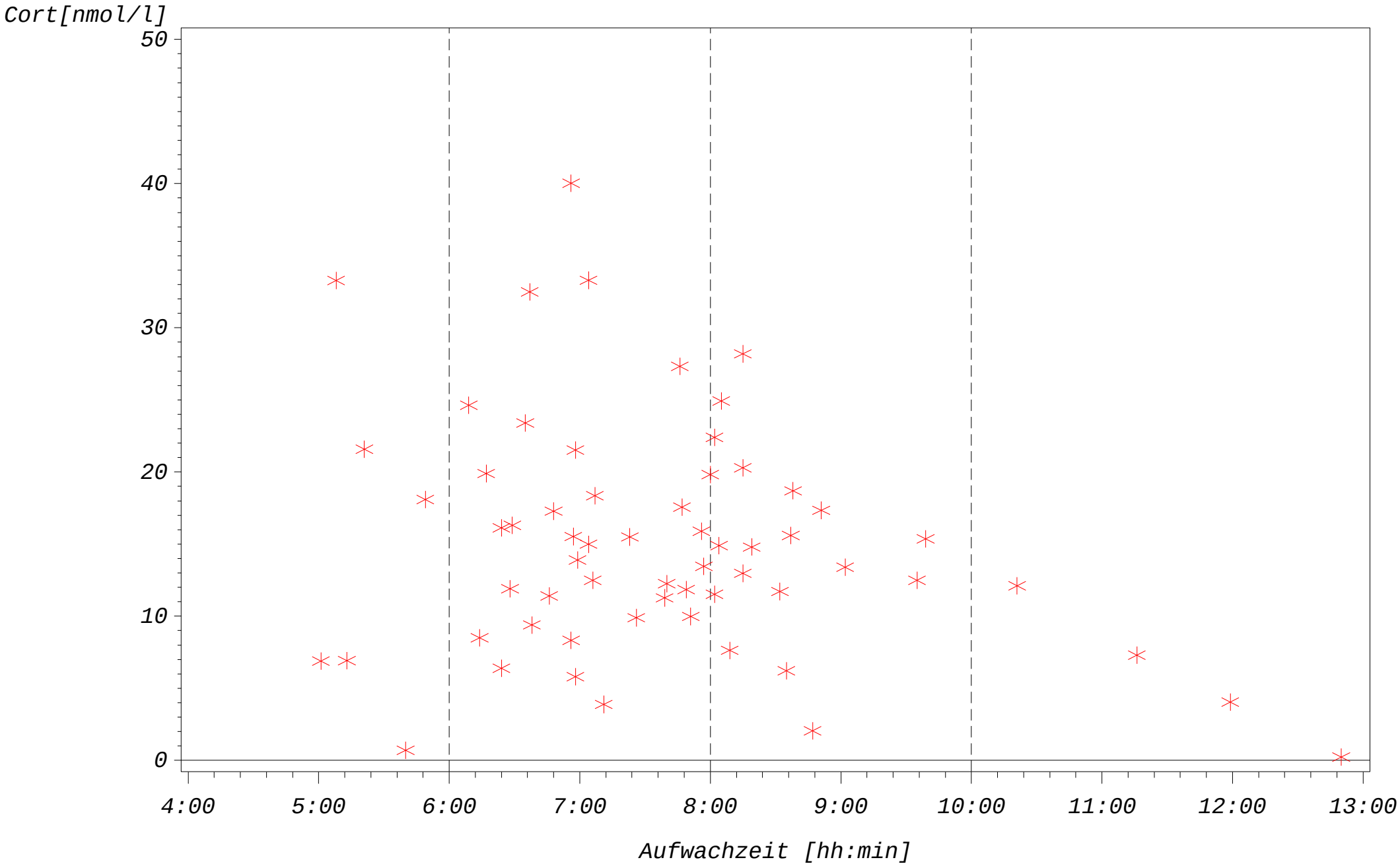
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=4 Messzeitpunkt=5



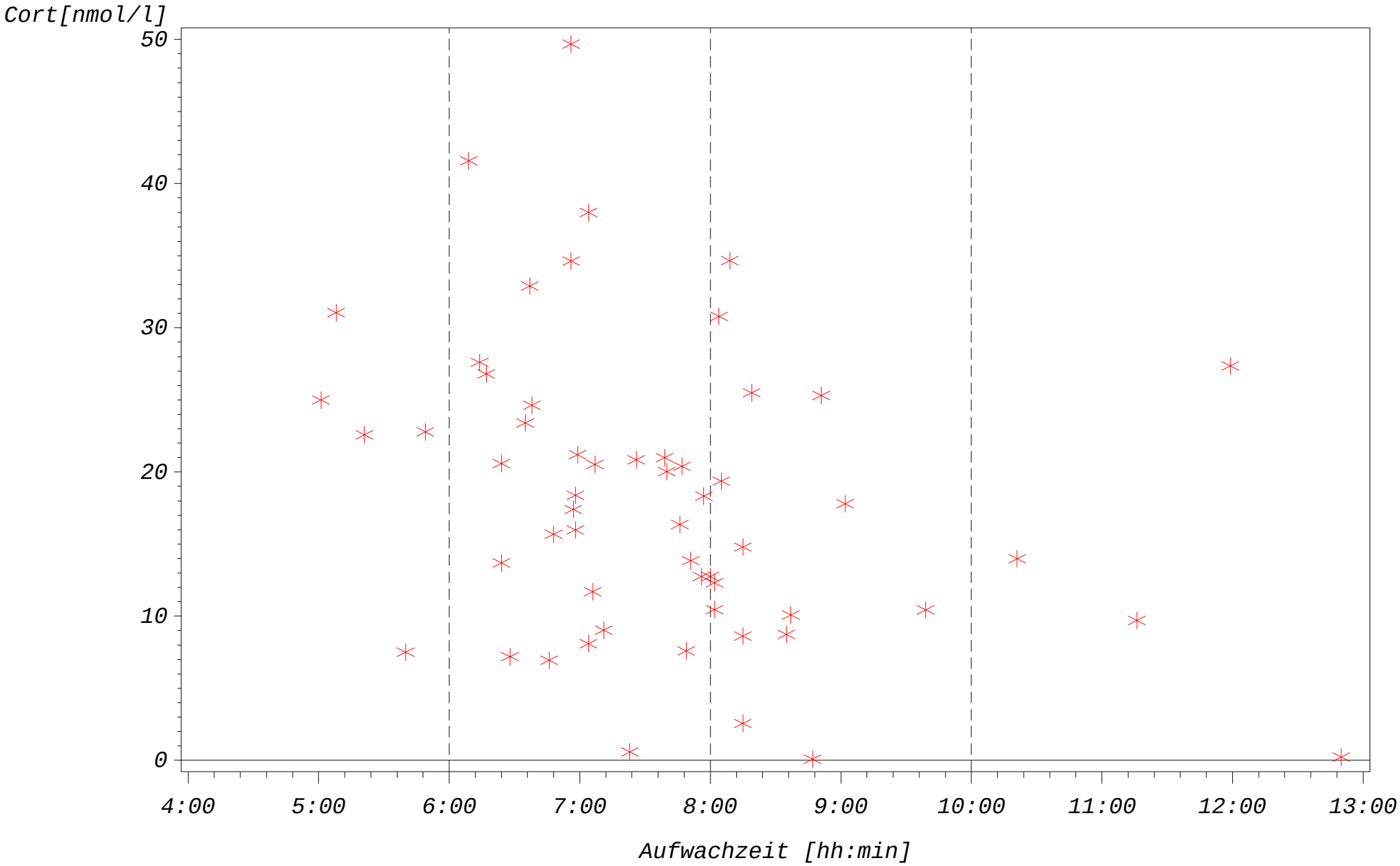
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=5 Messzeitpunkt=1



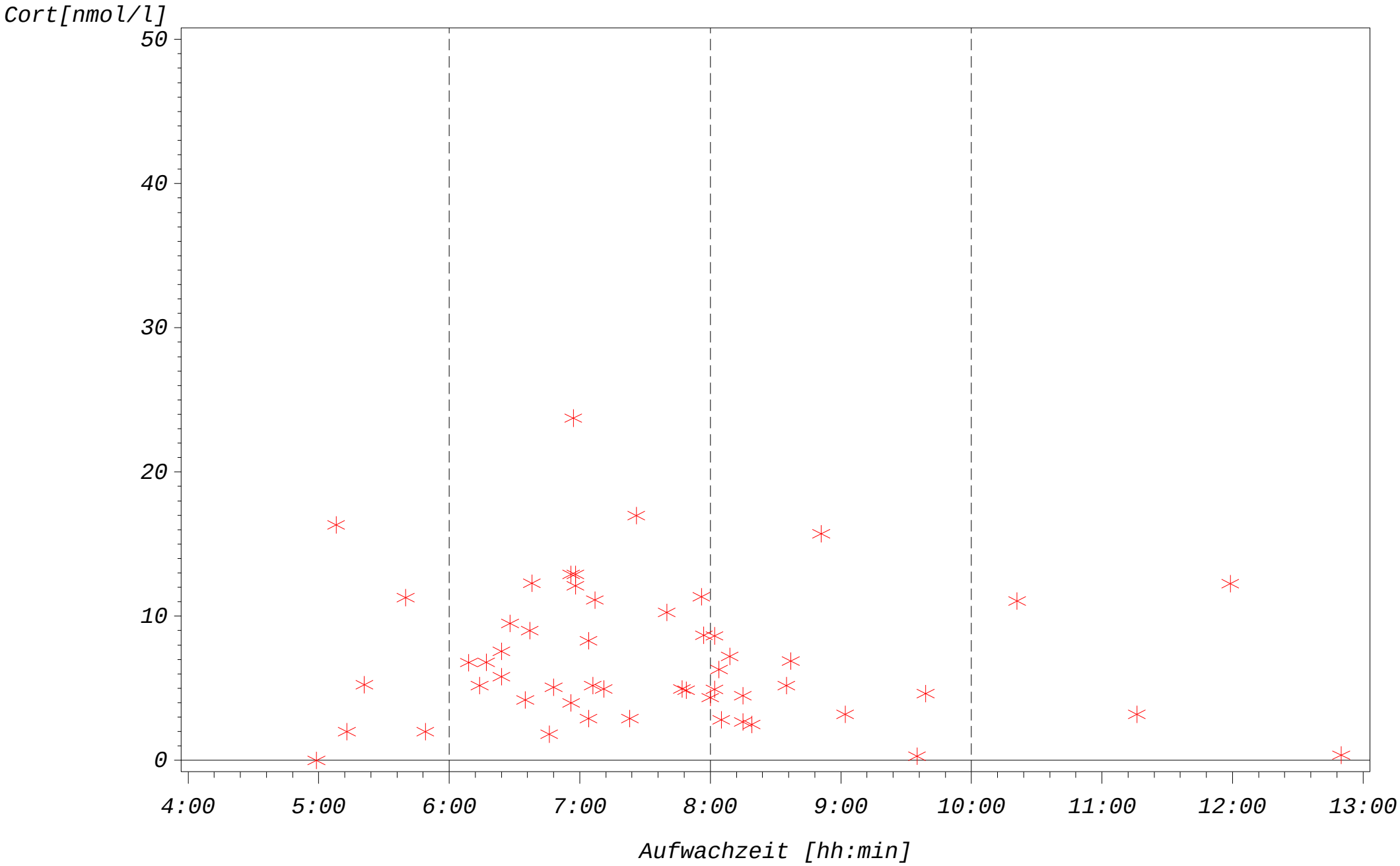
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=5 Messzeitpunkt=2



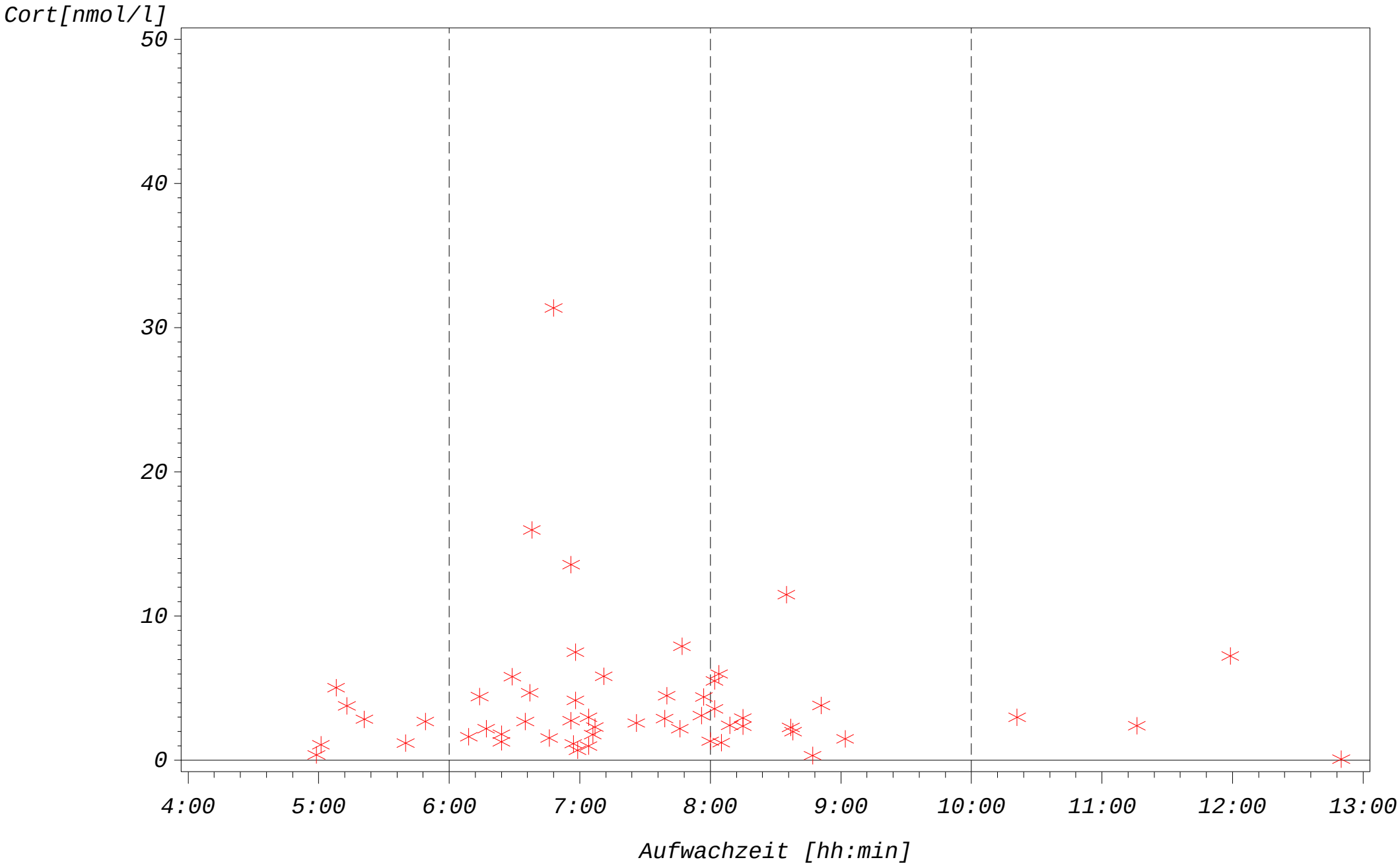
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=5 Messzeitpunkt=3



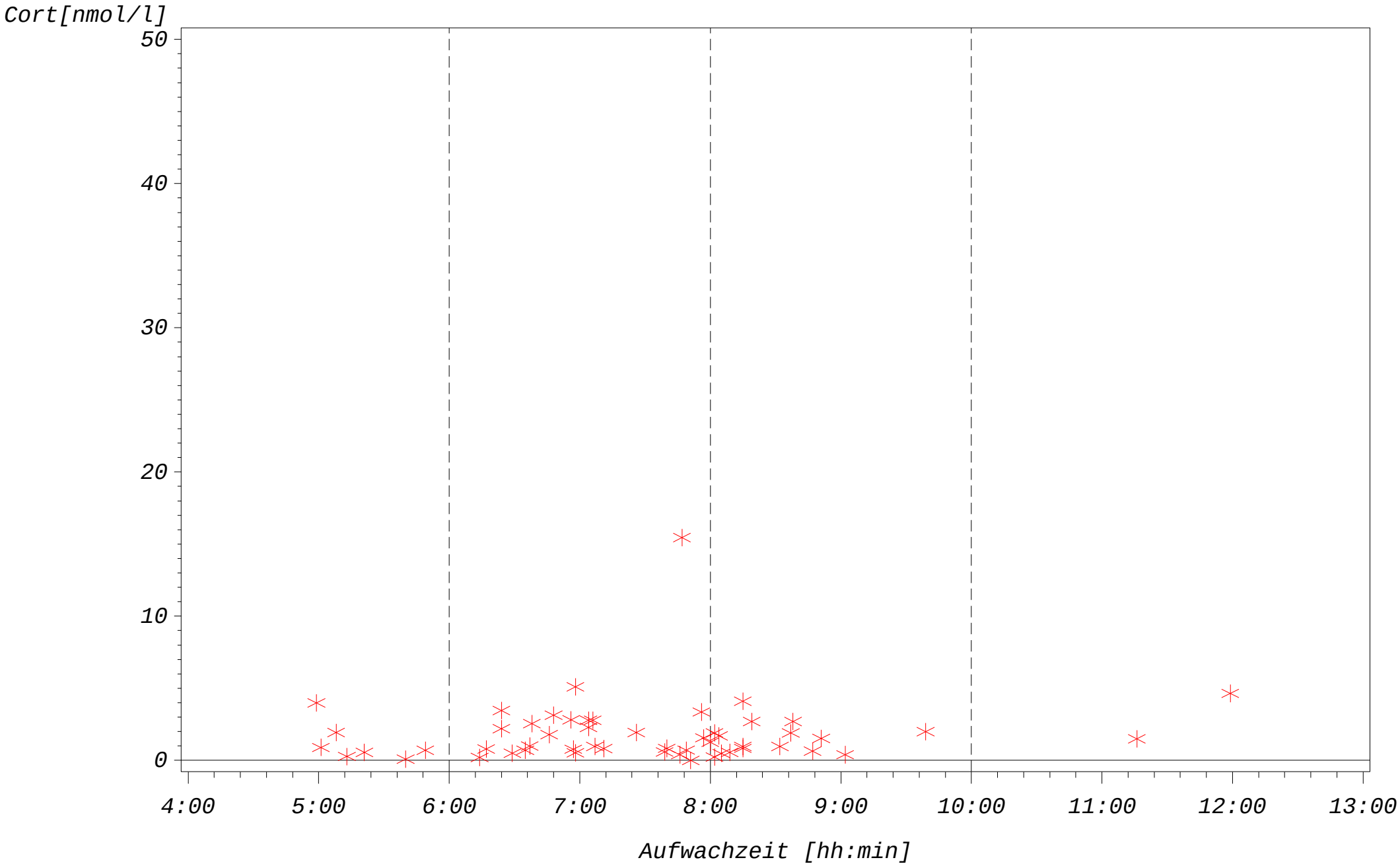
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=5 Messzeitpunkt=4



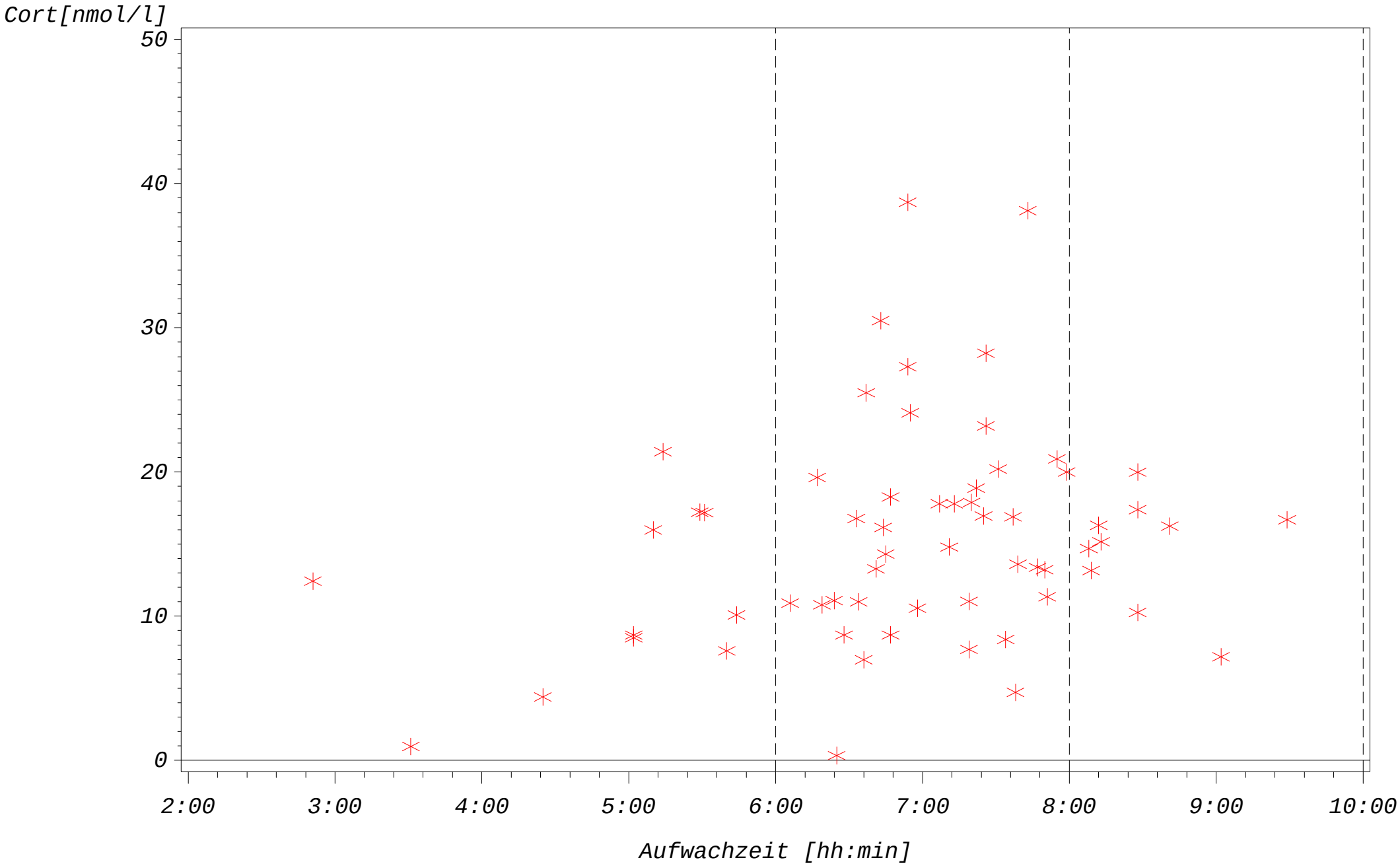
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=5 Messzeitpunkt=5



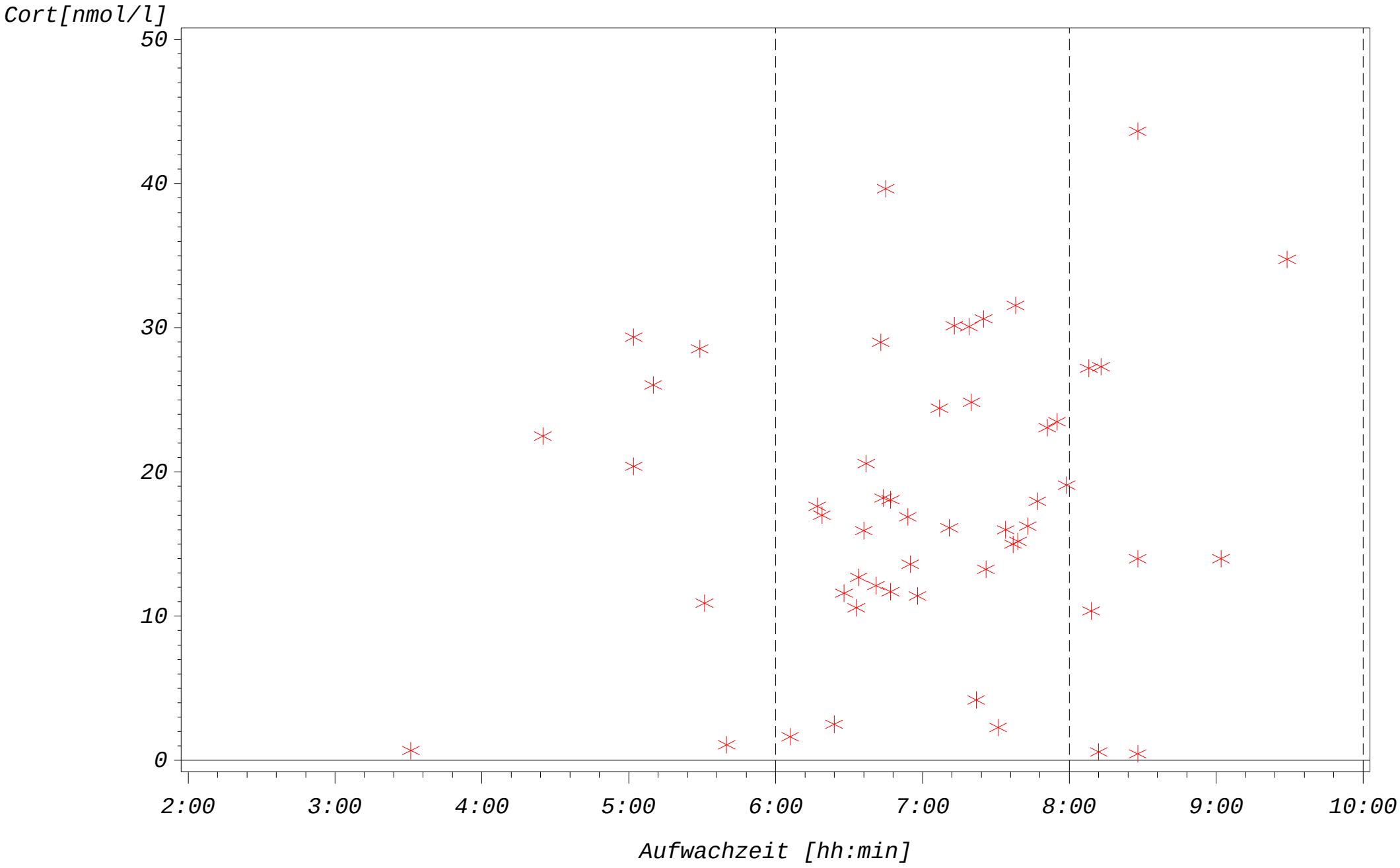
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=6 Messzeitpunkt=1



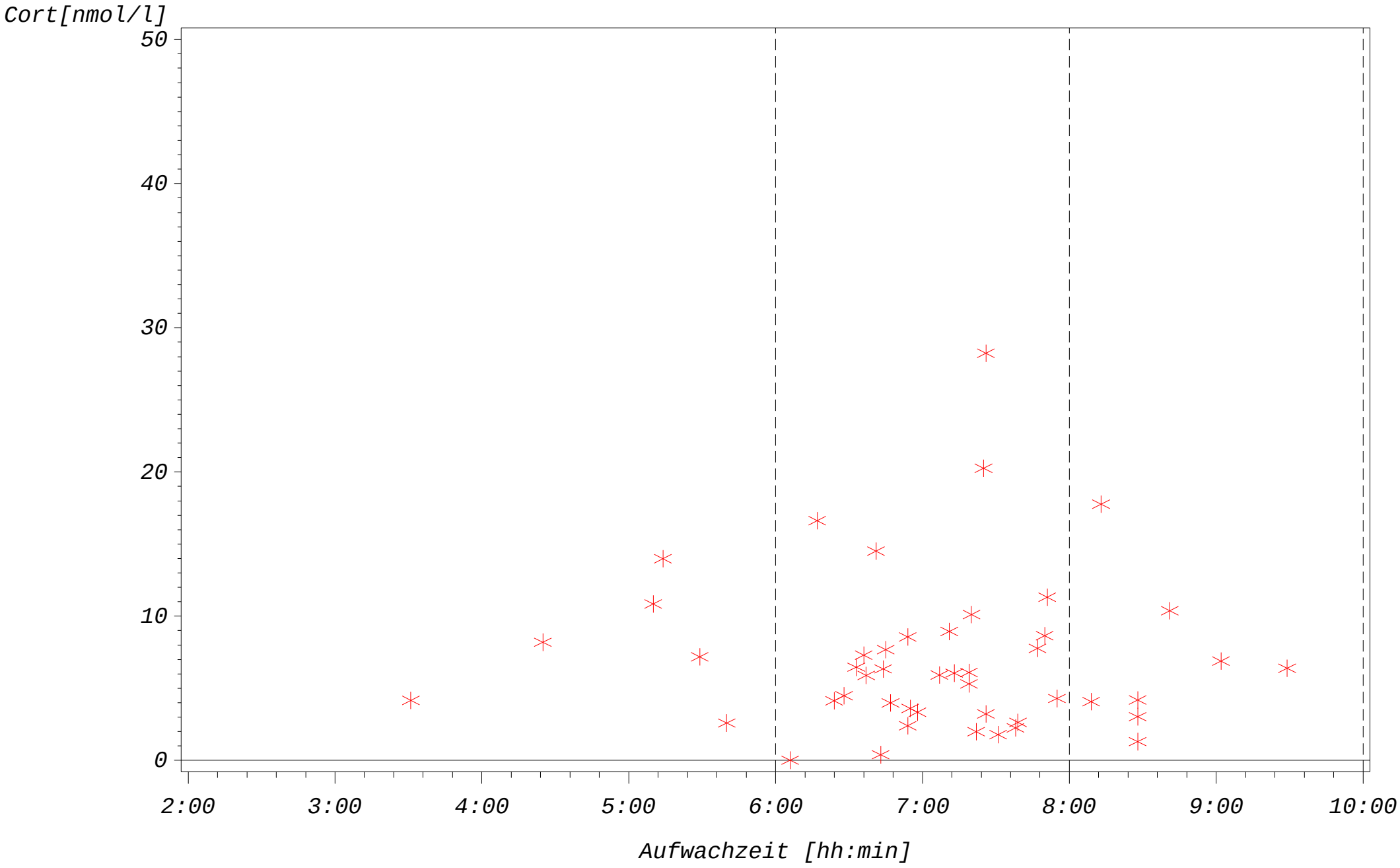
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=6 Messzeitpunkt=2



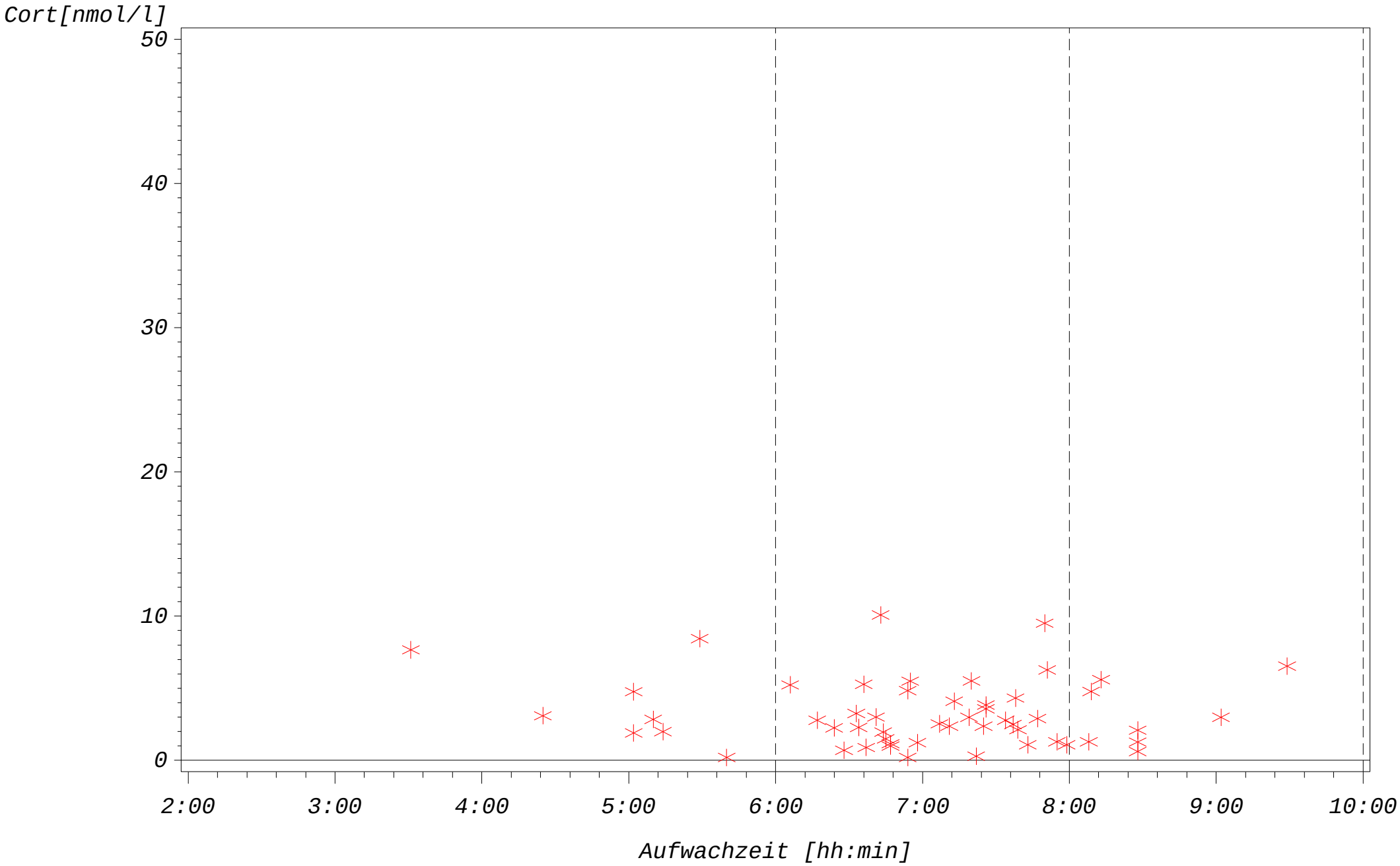
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=6 Messzeitpunkt=3



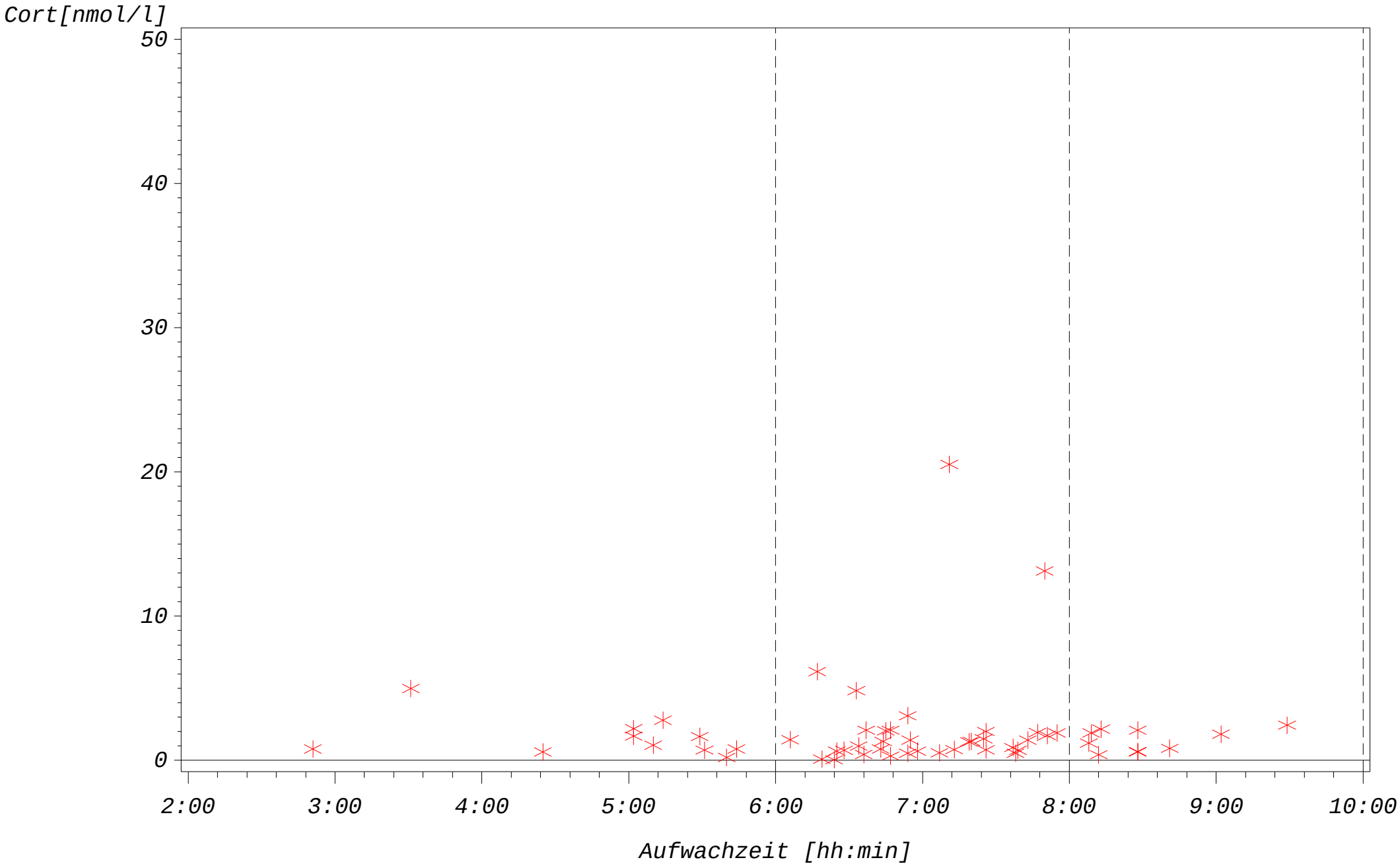
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=6 Messzeitpunkt=4



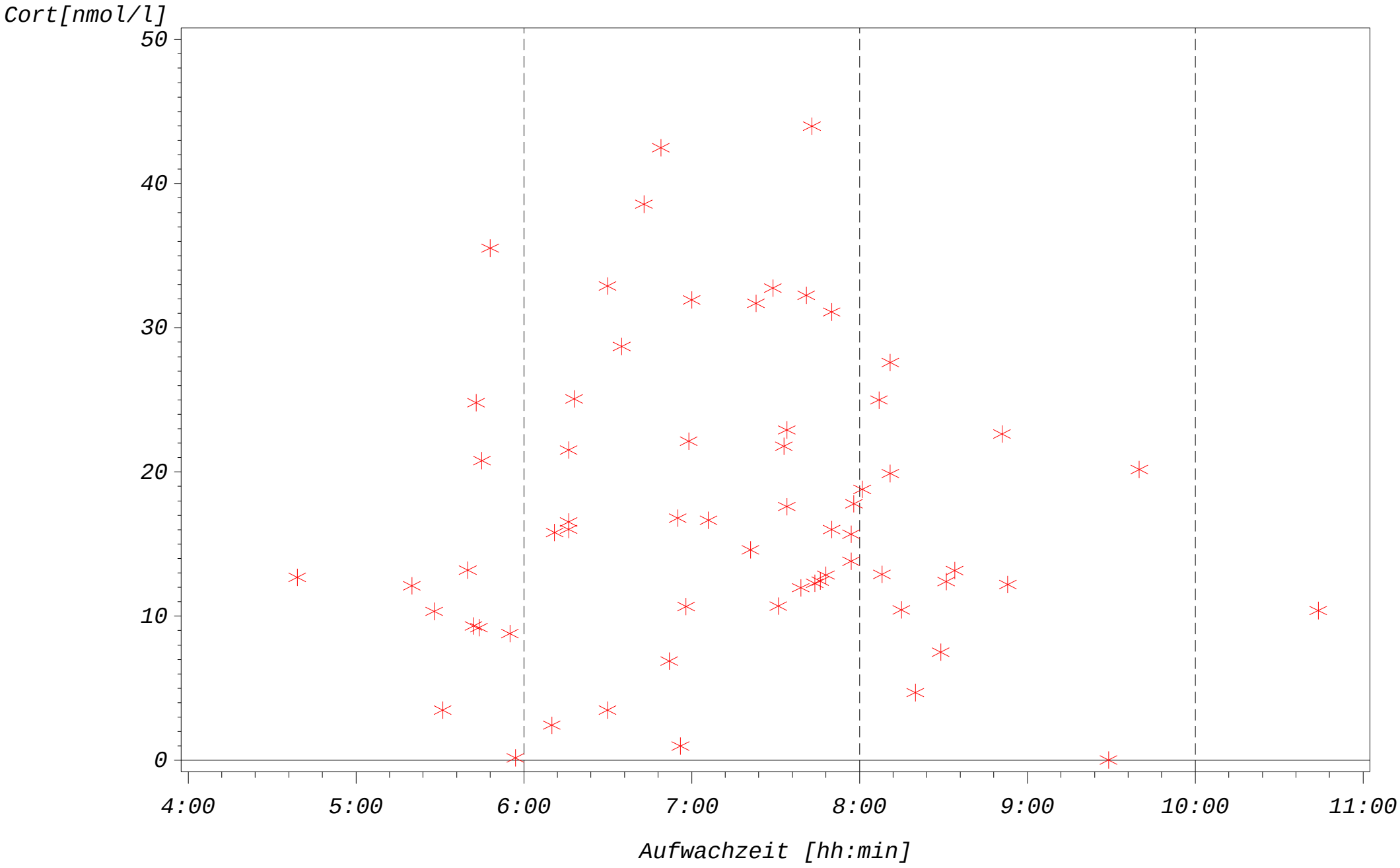
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=6 Messzeitpunkt=5



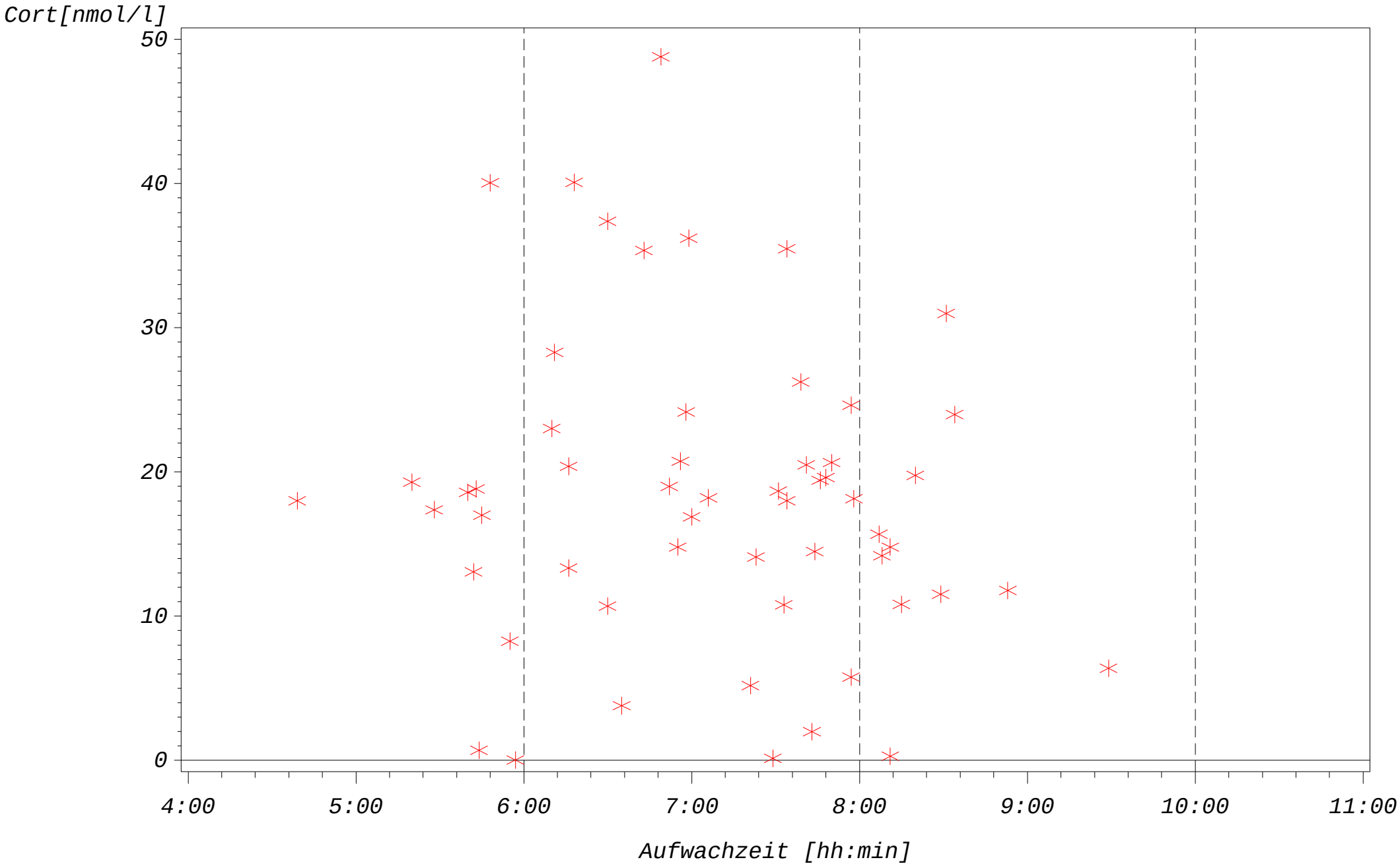
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=7 Messzeitpunkt=1



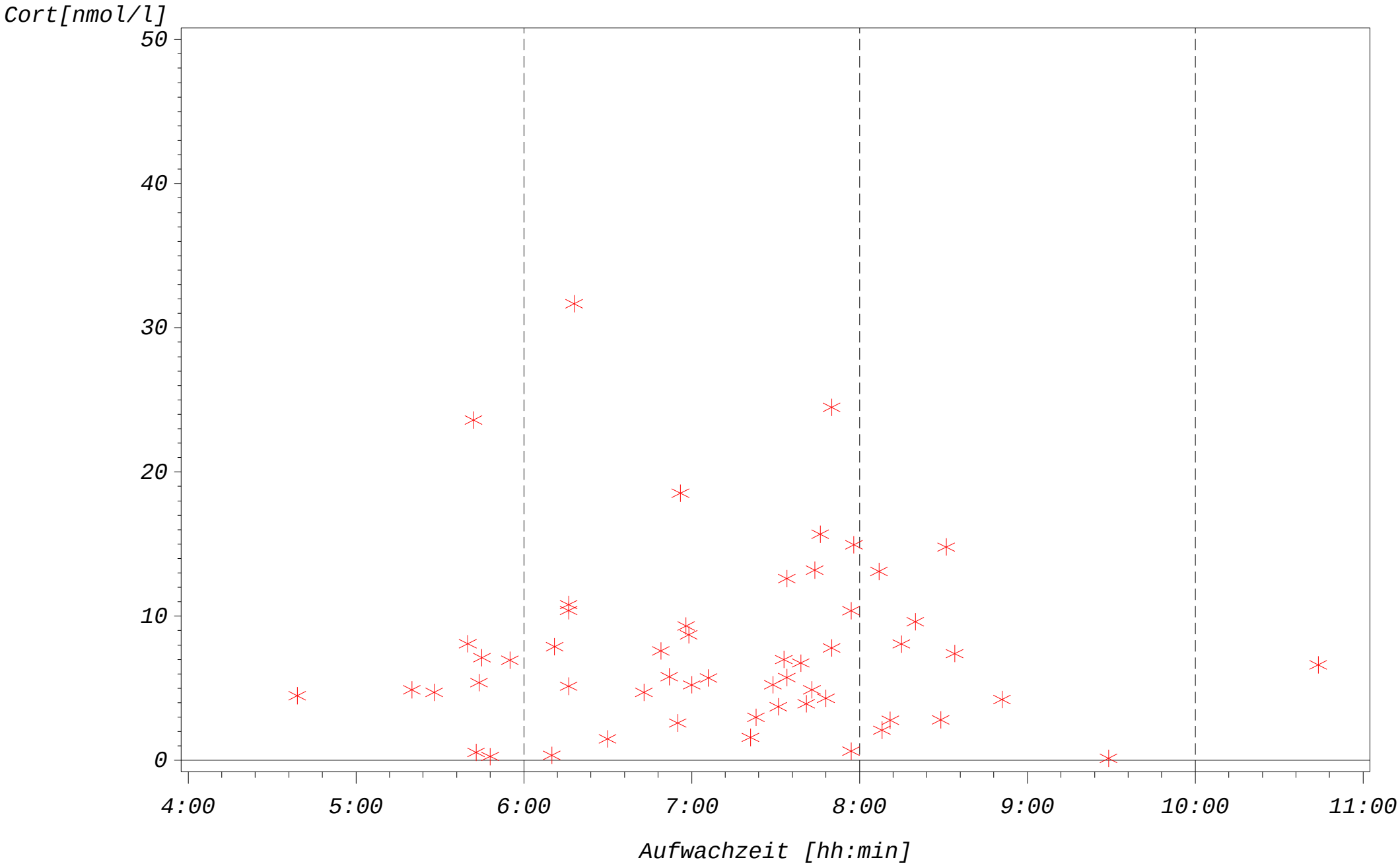
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=7 Messzeitpunkt=2



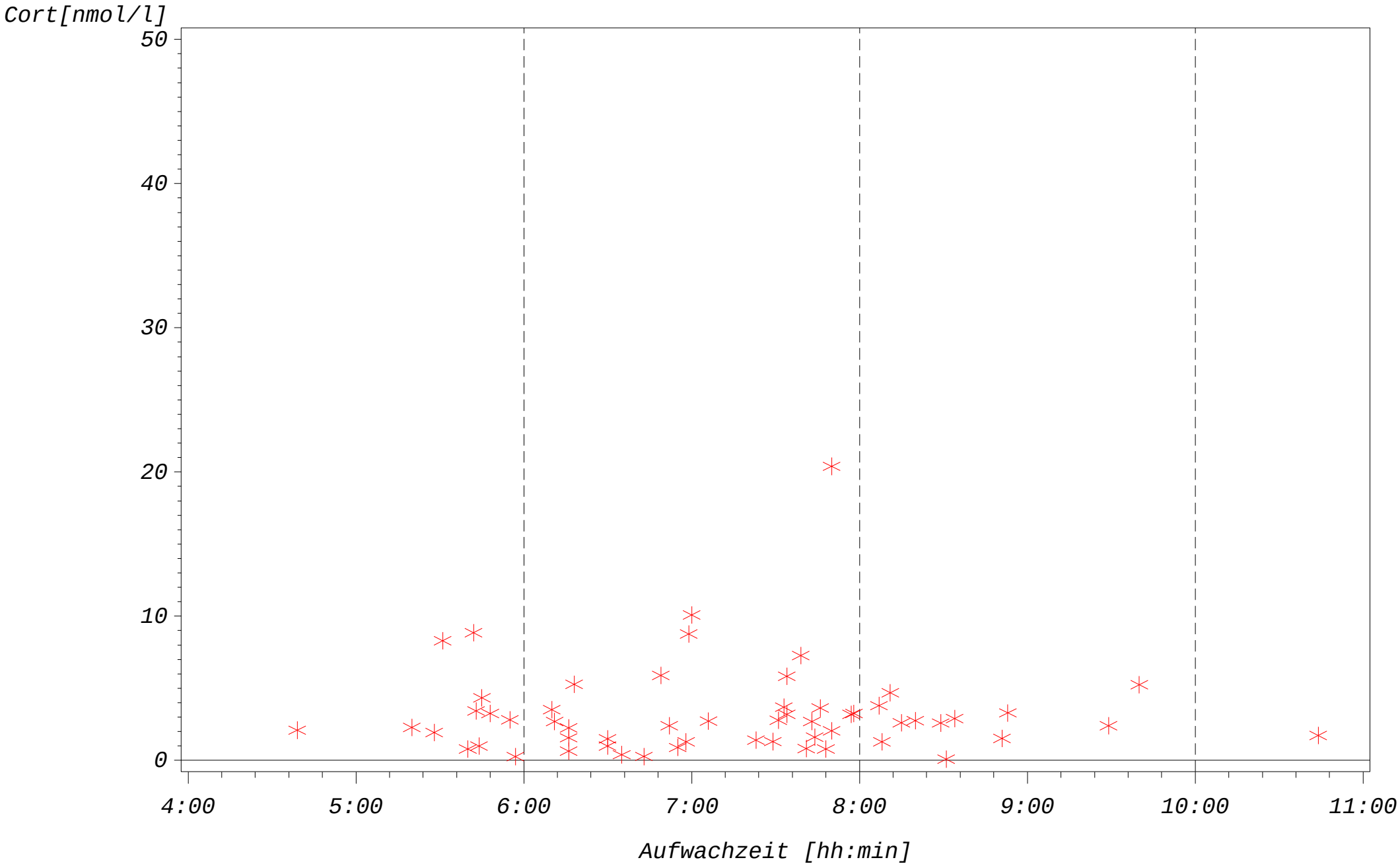
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=7 Messzeitpunkt=3



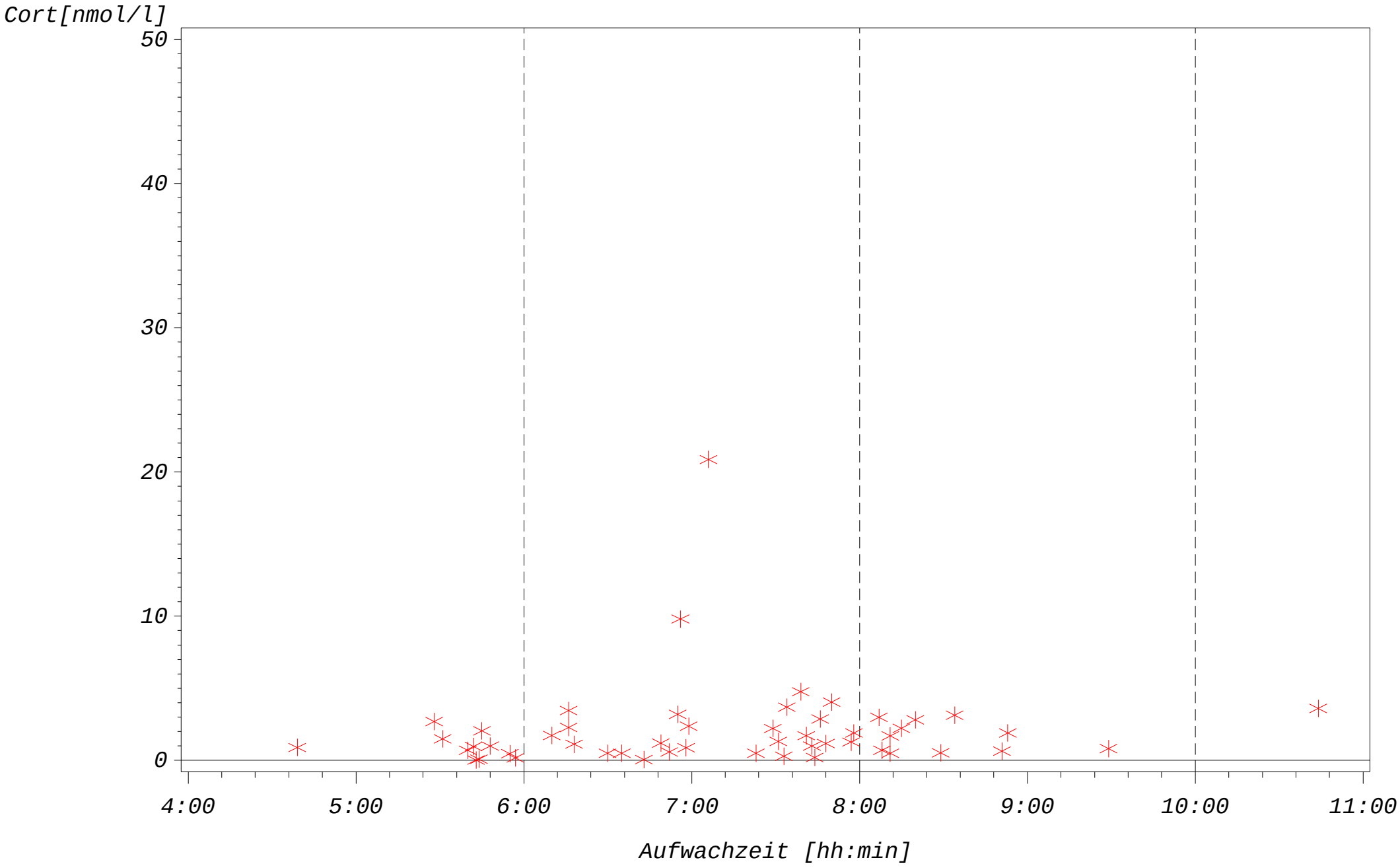
Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=7 Messzeitpunkt=4



Cortisolwert pro Messzeitpunkt * Aufwachzeit getrennt nach Tagen

tag=7 Messzeitpunkt=5



Anhang 10

Cortisolwerte und Einflussfaktoren: Arbeitstätigkeit, Wochentag und Beanspruchung

Inhalt Anhang 10:

A **Cortisolwerte nach Einteilung in die Kategorien Art der „Arbeitstätigkeit / Wochentag“**
B **Cortisolverlauf in Abhängigkeit von der „Arbeitszeit-Wochentagskategorie“**
C **Deskriptive Statistik „Kurzer Fragebogen zur aktuellen Beanspruchung (Müller & Basler 1993)**
D **Ausgewählte Korrelationspaare zwischen Beanspruchungswert und Cortisolwert pro Messzeitpunkt und Tag**

A Cortisolwerte nach Einteilung in die Kategorien Art der „Arbeitstätigkeit / Wochentag“

Deskriptive Statistik für die Cortisolausprägung in den Kategorien der Variablen „Wochentag-Arbeitstätigkeit“ pro Stichprobe und MZP.
Abkürzungen: „URS“= Patienten mit unspezifischen Rückenschmerzen, „FSM“= Patienten mit Fibromyalgie, „KON“= gesunde Kontrollpersonen
„Arb.-Werkt.“= Arbeit an Werktagen, „Arb.-We.“= Arbeit an Wochenenden,
„Frei-Werkt.“= arbeitsfrei an Werktagen, „Frei-We.“= arbeitsfrei an Wochenenden
N= Anzahl der Messtage, MW= Mittelwert, STD= Standardabweichung, MD= Median

MZP	Arbeit-Tag	URS					FMS					KON				
		N	MW	STD	MD	IQA	N	MW	STD	MD	IQA	N	MW	STD	MD	IQA
1	Arb.-Werkt.	61	15.83	10.37	13.20	11.40	23	14.96	7.05	13.27	10.7	46	11.94	5.43	11.53	8.07
	Arb.-We.	2	18.10	7.92	18.10	11.20	3	7.46	3.93	6.79	7.78	6	11.17	5.69	13.29	6.71
	Frei-Werkt.	14	18.09	8.68	14.60	10.44	22	11.35	7.07	11.47	8.32	22	15.07	6.37	14.33	10.22
	Frei-We.	28	13.58	7.12	10.20	10.85	13	13.38	8.36	14.00	7.04	20	13.79	7.68	12.56	7.97
2	Arb.-Werkt.	52	21.93	11.77	20.76	14.53	21	21.75	19.47	13.20	30.46	40	21.55	10.14	23.22	13.20
	Arb.-We.	2	7.40	6.08	7.40	8.60	3	22.44	19.94	23.26	39.85	6	16.39	10.68	13.85	15.05
	Frei-Werkt.	9	19.17	13.23	14.20	3.20	19	12.96	10.52	13.26	20.85	18	20.78	8.97	19.30	12.05
	Frei-We.	23	15.27	7.05	14.80	9.96	9	15.74	15.14	12.30	17.49	19	15.81	7.46	16.01	12.24
3	Arb.-Werkt.	46	5.24	3.65	4.50	3.90	19	8.16	5.31	6.76	6.96	44	7.48	5.27	6.27	5.40
	Arb.-We.	2	4.45	1.06	4.45	1.50	1	9.78	-	9.78	-	6	10.15	4.20	9.37	4.22
	Frei-Werkt.	12	6.73	6.20	4.94	5.99	20	6.71	7.16	3.01	8.09	20	6.11	3.87	6.63	5.64
	Frei-We.	20	5.57	3.40	4.70	3.70	10	11.20	10.25	8.66	15.91	18	6.28	3.90	6.50	4.76
4	Arb.-Werkt.	53	2.57	2.02	2.10	2.26	19	4.25	4.20	2.76	6.52	44	4.41	2.83	3.66	2.74
	Arb.-We.	2	1.40	0.57	1.40	0.80	2	3.39	0.12	3.39	0.17	5	4.29	2.87	3.00	0.14

	Frei-Werkt.	12	2.67	2.66	2.02	1.90	18	2.99	3.11	2.42	2.55	19	4.62	2.89	3.97	5.23
	Frei-We.	23	2.89	1.77	2.50	2.00	12	3.85	4.47	2.00	5.36	20	4.28	3.11	3.52	3.26
5	Arb.-Werkt.	53	1.10	0.85	0.86	0.83	17	1.85	2.38	0.70	1.80	44	2.08	1.88	1.64	1.73
	Arb.-We.	2	3.20	0.57	3.20	0.80	3	1.17	0.70	1.54	1.24	4	3.28	0.75	3.11	1.10
	Frei-Werkt.	14	1.23	1.08	0.87	1.25	16	2.38	2.85	0.98	2.97	17	2.14	1.77	2.30	2.72
	Frei-We.	24	1.86	2.72	1.04	1.66	13	1.63	2.02	0.80	1.86	20	1.65	1.51	1.03	1.77

B Cortisolverlauf in Abhängigkeit von der „Arbeitszeit-Wochentagskategorie“

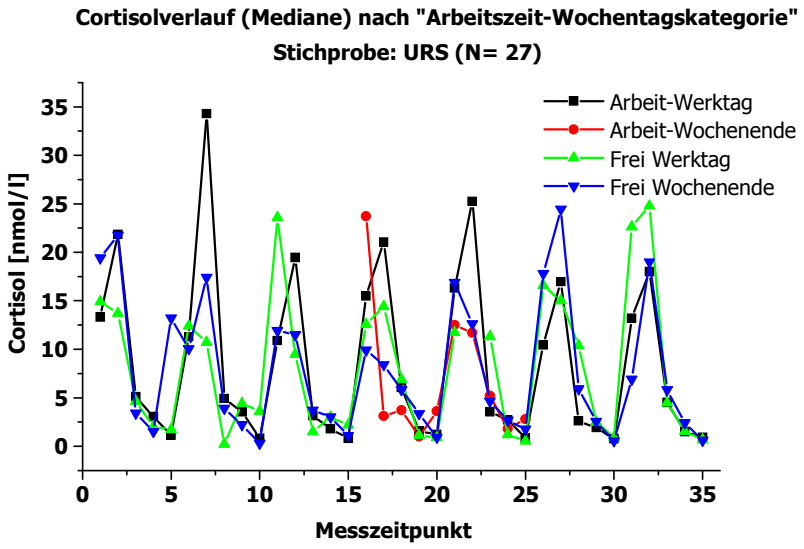


Abbildung: Cortisolverlauf (Mediane) getrennt nach dem Gruppenfaktor „Arbeitszeit-Wochentagskategorie“ in der Stichprobe der Patienten mit URS.

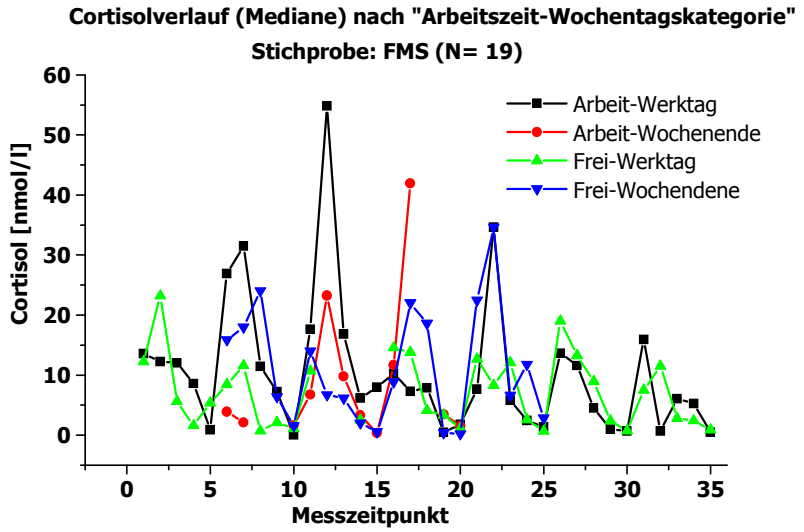


Abbildung: Cortisolverlauf (Mediane) getrennt nach dem Gruppenfaktor „Arbeitszeit-Wochentagskategorie“ in der Stichprobe der Patienten mit FMS.

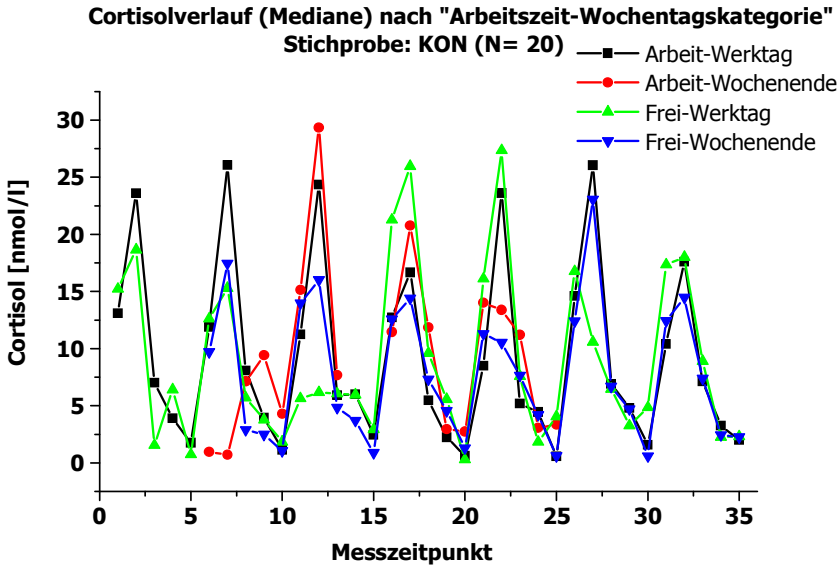


Abbildung: Cortisolverlauf (Mediane) getrennt nach dem Gruppenfaktor „Arbeitszeit-Wochentagskategorie“ bei gesunden Kontrollpersonen.

C Deskriptive Statistik „Kurzer Fragebogen zur aktuellen Beanspruchung (Müller & Basler 1993)

Tag	MZP	URS					FMS					KON				
		N	MW	STD	MD	IQA	N	MW	STD	MD	IQA	N	MW	STD	MD	IQA
1	2	25	3.31	0.75	3.50	0.50	16	3.63	0.74	3.67	1.00	19	2.48	0.97	2.50	1.33
	3	25	3.15	0.78	3.17	1.33	15	3.62	0.91	3.67	1.00	19	2.40	1.04	2.33	1.67
	4	25	3.19	0.94	3.17	1.33	16	3.58	1.16	3.92	1.92	17	2.28	1.03	2.17	1.50
	5	25	2.92	0.77	2.83	1.00	16	3.14	0.90	3.08	1.83	19	2.25	0.95	2.00	1.67
2	2	25	3.21	0.86	3.00	1.33	15	3.29	0.86	3.33	1.50	19	2.18	0.85	2.17	1.50
	3	23	3.22	0.91	3.33	1.50	16	3.57	0.90	3.83	0.92	19	2.26	0.85	2.00	1.33
	4	23	2.95	0.77	3.00	1.33	15	3.59	0.73	3.83	1.00	18	2.36	0.97	2.25	1.33
	5	24	2.88	0.84	2.83	1.25	15	3.22	0.94	3.50	1.83	19	2.07	0.85	2.00	1.83
3	2	24	3.17	0.96	3.25	1.67	16	3.16	0.96	3.08	1.58	19	2.11	0.90	2.00	1.67
	3	24	3.19	0.77	3.25	1.33	15	3.13	1.05	3.50	2.17	19	2.26	0.84	2.00	1.33
	4	23	3.14	0.98	3.00	1.67	15	2.99	1.05	3.00	1.67	19	2.31	0.85	2.00	1.17
	5	24	2.83	0.84	3.00	1.25	16	2.65	1.09	2.25	2.33	19	2.10	0.75	2.00	1.00
4	2	24	3.01	0.77	3.17	0.83	16	3.23	1.04	3.08	1.83	18	2.46	0.92	2.25	1.17
	3	23	3.28	0.83	3.33	0.83	17	3.71	0.90	4.00	1.17	18	2.61	0.95	2.83	1.33
	4	23	3.11	0.86	3.17	1.50	15	3.73	1.10	4.00	1.83	18	2.53	0.87	2.67	1.33
	5	24	2.99	1.01	3.17	1.58	16	3.38	1.05	3.50	1.92	17	2.20	0.77	2.00	0.67
5	2	24	3.48	0.82	3.67	1.00	16	3.14	0.93	3.25	1.25	18	2.35	0.94	2.25	1.33
	3	22	3.40	0.70	3.50	0.83	16	3.51	1.03	3.08	1.17	18	2.42	1.14	2.58	2.00
	4	23	3.22	0.72	3.17	1.00	13	3.27	1.28	3.67	2.00	18	2.44	1.13	2.33	1.33
	5	24	3.10	0.91	3.17	1.67	15	3.21	1.02	3.33	1.83	18	2.37	1.17	2.25	1.33
6	2	24	3.51	0.77	3.58	1.00	16	3.33	1.06	3.67	1.42	18	2.36	0.96	2.08	0.83
	3	20	3.58	0.70	3.58	0.92	16	3.48	1.27	4.00	1.83	18	2.39	0.90	2.42	1.00
	4	22	3.43	0.94	3.83	1.17	15	3.72	1.19	4.17	1.67	19	2.38	0.87	2.17	1.00
	5	24	3.31	0.80	3.58	1.33	16	3.41	1.17	3.42	1.92	19	2.11	0.80	2.00	0.67
7	2	24	3.50	0.80	3.58	1.17	16	3.44	1.21	3.42	1.17	18	2.23	1.01	2.00	1.17
	3	24	3.38	0.86	3.75	1.33	15	3.50	1.26	3.67	1.83	17	2.26	0.87	2.17	1.50
	4	24	3.28	0.86	3.28	1.17	16	3.49	1.30	3.42	1.33	18	2.13	0.82	2.00	1.50
	5	23	3.12	0.87	3.12	1.50	15	3.46	1.33	3.33	1.17	17	2.02	0.75	2.00	0.50

D Ausgewählte Korrelationspaare zwischen Beanspruchungswert und Cortisolwert pro Messzeitpunkt und Tag

Tabelle: Spearman Rangkorrelation zwischen Beanspruchungswert und Cortisolwert jeweils pro Messzeitpunkt und Tag. Auswahl statistisch signifikanter Korrelationspaare

Stichprobe	Tag, MZP	Korrelationskoeffizient (p)
URS	2, 4	0.445 (0.05)
	6, 3	-0.563 (0.01)
KON	3, 4	-0.512 (0.04)
	4, 3	-0.556 (0.03)

Abk.: URS= Patienten mit unspezifischen Rückenschmerzen, KON= gesunde Kontrollpersonen, MZP= Messzeitpunkt, p= Signifikanzwert

Anhang 11

Cortisolwerte:
Interkorrelation und Ausprägung in Abhängigkeit von Stichprobe und Tag

Inhalt Anhang 11

A **Deskriptive Statistik der winsorisierten Cortisoldaten**
B **Einfluss des Tages auf die Ausprägung der Cortisolwerte (Analyse pro Messzeitpunkt)**
C **Einfluss von Tag und Stichprobenzugehörigkeit auf die Ausprägung der Cortisolwerte (Analyse pro Messzeitpunkts)**
D **Korrelation zwischen den Cortisolwerten / Cortisolparametern der jeweils entsprechenden Messzeitpunkte der sieben Messtage pro Stichprobe**
E **Einfluss des Tages auf die Ausprägung der Cortisolparameter**
F **Einfluss des Tages und der Stichprobenzugehörigkeit auf die Ausprägung der Cortisolparameter**

A Deskriptive Statistik der winsorisierten Cortisoldaten:

Grundlage zur Beurteilung der Stabilität der Cortisoldaten – Darstellung pro StichprobenStichprobe, Messzeitpunkt und Tag

Stichprobe=FMS messung=1 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
13.6142105	19	5.5256697	13.2700000	1.4000000	29.0500000	10.5000000	16.8000000	3.2875963	0.6774931

Stichprobe=FMS Messung=1 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
12.9622222	18	6.6742195	13.4650000	0.2100000	26.9100000	8.4500000	18.2800000	-0.0080511	-0.0037601

Stichprobe=FMS Messung=1 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.5294118	17	8.7227651	13.2900000	0.0100000	39.9600000	10.2400000	17.6700000	3.9829164	1.4506885

Stichprobe=FMS Messung=1 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
11.9750000	18	5.2410285	11.3200000	0.2800000	24.6300000	9.5000000	14.7000000	1.8900185	0.2720509

Stichprobe=FMS Messung=1 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.0544444	18	7.9602721	12.0750000	2.0600000	32.4200000	9.9000000	15.5300000	1.7806563	1.3167100

Stichprobe=FMS Messung=1 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
15.9029412	17	5.4409647	14.8000000	8.7000000	27.3100000	12.4300000	18.9000000	-0.1190604	0.8545966

Stichprobe=FMS Messung=1 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.8287778	18	8.4125211	13.7300000	0.0400000	31.9300000	10.6800000	19.9000000	0.1365410	0.2704465

Stichprobe=FMS Messung=2 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.7444444	18	12.1814687	19.0850000	0.3100000	37.2600000	12.2400000	29.7700000	-1.0802659	-0.1644237

Stichprobe=FMS Messung=2 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
15.7929412	17	12.0081013	12.9300000	0.9600000	50.0700000	10.6300000	20.4900000	3.3126078	1.5253436

Stichprobe=FMS Messung=2 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.5150000	14	16.4557756	12.0250000	0.4000000	54.8700000	3.0000000	22.5100000	1.4551985	1.3755450

Stichprobe=FMS Messung=2 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.0962500	16	14.5729264	21.5400000	0.0800000	43.9800000	4.5300000	27.6900000	-1.0553666	0.3038153

Stichprobe=FMS Messung=2 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
20.3917647	17	15.2783978	17.4100000	0.1000000	53.3900000	10.4600000	25.3100000	0.3539259	0.8902816

Stichprobe=FMS Messung=2 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.4856250	16	14.4666614	12.6950000	0.6000000	52.7100000	7.2850000	19.4000000	1.8924823	1.4119714

Stichprobe=FMS Messung=2 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
17.4005882	17	11.6431356	18.6800000	0.3000000	40.1000000	6.3900000	24.1700000	-0.5328253	0.1991011

Stichprobe=FMS Messung=3 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.4194118	17	5.7663804	6.5000000	0.0100000	24.0100000	3.3200000	10.4300000	3.2009587	1.4240186

Stichprobe=FMS Messung=3 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
8.5712500	16	8.3567209	5.8100000	0.3400000	30.0600000	2.9100000	12.0000000	2.1107975	1.5699118

Stichprobe=FMS Messung=3 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.7900000	14	4.4722460	6.7550000	0.0500000	16.8200000	5.6000000	11.0300000	0.1037562	0.3658268

Stichprobe=FMS Messung=3 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.3007692	13	5.2581088	6.6700000	1.5500000	18.6100000	4.3300000	7.9000000	1.4694265	1.4258584

Stichprobe=FMS Messung=3 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
8.7493333	15	6.6449707	7.2200000	0.0100000	23.7400000	3.9800000	12.9100000	0.2350229	0.7465782

Stichprobe=FMS Messung=3 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
8.6876471	17	7.7589686	6.1100000	1.4700000	25.7500000	3.3500000	8.9500000	1.0466262	1.4142843

Stichprobe=FMS Messung=3 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
8.7660000	15	8.1375100	5.7300000	0.1500000	31.6700000	3.7200000	12.6100000	3.6902693	1.8025813

Stichprobe=FMS Messung=4 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.4737500	16	4.6332909	4.5500000	0.0400000	16.4200000	1.8400000	8.3100000	0.6359705	0.9586622

Stichprobe=FMS Messung=4 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.7020000	15	6.6821203	3.2200000	0.3100000	25.0400000	1.2800000	7.2200000	4.3893707	2.0138168

Stichprobe=FMS Messung=4 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.8575000	16	2.2617117	2.6500000	0.1600000	8.3000000	1.3300000	3.8300000	0.8050153	1.0013101

Stichprobe=FMS Messung=4 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.5053333	15	2.7734220	3.3500000	0.1000000	8.9400000	0.6200000	5.0800000	-0.3905862	0.6073560

Stichprobe=FMS Messung=4 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.0361538	13	2.9896587	2.6000000	0.3400000	11.7600000	1.1600000	3.8100000	6.3448203	2.2333606

Stichprobe=FMS Messung=4 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.3473333	15	4.0127110	2.3700000	0.0700000	16.4200000	0.9000000	4.7800000	8.7635293	2.7210943

Stichprobe=FMS Messung=4 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.4306667	15	2.6183377	2.7400000	0.4000000	10.1000000	1.2900000	5.2500000	1.8704441	1.3455652

Stichprobe=FMS Messung=5 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.6876471	17	2.1024317	0.8600000	0.0100000	6.4000000	0.4000000	1.9000000	1.2123345	1.5995246

Stichprobe=FMS Messung=5 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.8000000	14	1.5322683	1.5550000	0.0500000	5.9600000	0.8000000	2.0900000	3.4166682	1.7033019

Stichprobe=FMS Messung=5 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.1364286	14	2.6850343	1.0850000	0.0900000	7.9600000	0.3600000	2.2600000	1.7730390	1.6695194

Stichprobe=FMS Messung=5 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.0618750	16	2.2433672	1.4550000	0.1500000	7.3400000	0.6000000	2.2850000	2.5988467	1.8147125

Stichprobe=FMS Messung=5 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.2923077	13	1.1548171	0.7800000	0.0100000	3.9900000	0.5600000	1.9300000	1.0541996	1.2401127

Stichprobe=FMS Messung=5 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.6678571	14	1.5936566	1.0650000	0.4000000	6.4200000	0.6600000	2.1000000	6.0875824	2.2661383

Stichprobe=FMS Messung=5 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.9535714	14	3.9295891	1.1500000	0.1000000	13.2400000	0.5200000	3.7000000	3.1687526	1.9455190

Stichprobe=KON Messung=1 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.6030000	20	5.6265359	14.8050000	5.5300000	28.0500000	10.3800000	16.4900000	0.3865514	0.6349397

Stichprobe=KON Messung=1 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.1420000	20	7.2326224	13.0250000	0.9500000	32.3200000	10.4350000	18.3550000	0.9577348	0.5158406

Stichprobe=KON Messung=1 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
13.8931579	19	5.7270373	13.7300000	5.6300000	31.8000000	10.8400000	16.0800000	4.5772464	1.7090327

Stichprobe=KON Messung=1 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
13.8621053	19	6.2000283	14.4600000	2.0400000	28.1800000	8.5800000	18.5900000	0.3604126	0.3281426

Stichprobe=KON Messung=1 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
14.7822222	18	8.3404130	12.7950000	3.8900000	33.2900000	8.5000000	21.5900000	-0.2088037	0.6732091

Stichprobe=KON Messung=1 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
13.2405556	18	5.3617145	15.1450000	0.9600000	19.9900000	10.9200000	17.2100000	-0.0259168	-0.9074085

Stichprobe=KON Messung=1 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
17.0938889	18	8.8166394	16.2850000	2.4500000	35.5300000	10.4000000	22.1400000	0.0261703	0.4330191

Stichprobe=KON Messung=2 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
22.5673684	19	9.4774527	23.8700000	0.7200000	36.4900000	15.1200000	29.0800000	-0.0244720	-0.6270802

Stichprobe=KON Messung=2 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.4894737	19	11.5317318	17.6500000	0.7100000	50.2600000	13.2800000	26.0400000	1.8662316	1.0151670

Stichprobe=KON Messung=2 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
21.8938889	18	10.3666457	23.2800000	3.2800000	36.6300000	15.3600000	29.3400000	-0.9852723	-0.3004787

Stichprobe=KON Messung=2 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
21.4466667	18	11.3907579	24.1300000	3.9000000	50.2100000	12.7700000	26.7100000	1.0194864	0.5201927

Stichprobe=KON Messung=2 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.1105556	18	9.1527691	19.3700000	6.9600000	41.5800000	12.3100000	24.6300000	0.5228917	0.7471234

Stichprobe=KON Messung=2 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.5970588	17	12.8351450	23.0700000	0.4600000	39.6600000	10.5800000	30.1500000	-1.2063532	-0.2865703

Stichprobe=KON Messung=2 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
21.1705882	17	11.9237193	18.8200000	0.1500000	50.2300000	14.4800000	24.0000000	1.4121797	0.9132083

Stichprobe=KON Messung=3 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.6080000	20	4.6511013	5.0850000	0.0300000	20.5500000	2.3500000	7.7450000	4.7187456	1.7615447

Stichprobe=KON Messung=3 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
6.5916667	18	4.0770567	6.2050000	0.1400000	16.2900000	3.8300000	9.9300000	0.3669317	0.6931572

Stichprobe=KON Messung=3 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
6.1255556	18	3.9631007	5.9200000	0.9900000	15.2000000	3.2600000	7.6700000	0.4013867	0.8616783

Stichprobe=KON Messung=3 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.2628125	16	3.8846802	7.3850000	0.1600000	17.5450000	5.8050000	8.7400000	3.0529392	0.6750766

Stichprobe=KON Messung=3 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.7652941	17	3.9095094	7.5800000	1.8100000	16.3300000	5.1900000	11.0600000	-0.1022649	0.4703042

Stichprobe=KON Messung=3 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
7.1241176	17	4.6339913	6.9000000	0.0200000	20.2600000	4.1700000	8.6500000	3.2112428	1.2092305

Stichprobe=KON Messung=3 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
8.0094444	18	5.5965393	7.2650000	0.2800000	23.6200000	5.2500000	10.3900000	2.6045326	1.1058748

Stichprobe=KON Messung=4 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.7489474	19	2.8887596	4.3100000	0.0700000	10.9100000	3.1000000	7.2000000	-0.1767084	0.4803273

Stichprobe=KON Messung=4 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.0357895	19	2.7299579	3.9600000	0.1600000	9.4200000	2.3300000	5.3300000	-0.2765263	0.5025430

Stichprobe=KON Messung=4 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.4641176	17	2.8101225	3.4000000	0.5700000	11.5000000	3.0000000	6.0100000	0.9079639	0.9392548

Stichprobe=KON Messung=4 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.0806667	15	1.8646963	2.9300000	0.0100000	7.1500000	2.1900000	3.9700000	0.8717980	0.4042213

Stichprobe=KON Messung=4 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.8747368	19	3.7068995	3.7800000	1.5600000	15.9900000	2.2100000	5.8400000	3.7569796	1.8683357

Stichprobe=KON Messung=4 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.4438889	18	2.5668294	4.2200000	0.6100000	9.5200000	2.3700000	6.2900000	-0.6637374	0.3986060

Stichprobe=KON Messung=4 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.4383333	18	2.2934619	3.0550000	0.6400000	8.8500000	1.7400000	3.5300000	1.8749140	1.4885754

Stichprobe=KON Messung=5 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.8565000	20	1.7762446	1.3600000	0.0100000	6.4900000	0.5400000	2.5650000	1.2742184	1.3246305

Stichprobe=KON Messung=5 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.0236842	19	1.7361714	1.4400000	0.1000000	5.8000000	0.6100000	3.2800000	-0.1226814	0.9752212

Stichprobe=KON Messung=5 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.9622222	18	1.4508884	1.5450000	0.2400000	5.1400000	0.8400000	2.8800000	0.2198522	0.9421033

Stichprobe=KON Messung=5 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.0993333	15	2.1860253	1.5100000	0.2400000	8.9100000	0.4600000	2.6200000	6.8492755	2.3479616

Stichprobe=KON Messung=5 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.1743750	16	2.5674656	1.6850000	0.2100000	10.4000000	0.4800000	2.9600000	7.0413531	2.4200774

Stichprobe=KON Messung=5 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.8816667	18	1.7635901	1.4750000	0.0500000	6.3400000	0.6200000	2.0500000	1.5577180	1.5055116

Stichprobe=KON Messung=5 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.8875000	16	1.1807935	1.9850000	0.0300000	4.0400000	0.9850000	2.6050000	-0.6828212	0.1198446

Stichprobe=URS Messung=1 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.3096296	27	11.2745143	14.5700000	1.2800000	47.2000000	7.2000000	20.6000000	2.0259353	1.3825947

Stichprobe=URS Messung=1 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
13.2207407	27	5.8660621	12.2000000	0.5500000	27.7000000	10.2000000	17.3900000	1.1110992	0.5177076

Stichprobe=URS Messung=1 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
15.3829630	27	8.4459703	15.7700000	0.4200000	39.4000000	9.0000000	21.7000000	1.3630363	0.9207348

Stichprobe=URS Messung=1 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
15.8207407	27	9.1098881	13.8000000	0.3000000	38.1000000	10.1000000	19.5500000	1.0947280	1.0573776

Stichprobe=URS Messung=1 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.2340741	27	8.1246568	15.6000000	0.2500000	33.3000000	12.5000000	19.9000000	0.3404332	0.1166506

Stichprobe=URS Messung=1 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.3588889	27	9.5088644	16.2500000	0.3400000	38.7000000	8.7000000	20.9000000	0.4978997	0.8267728

Stichprobe=URS Messung=1 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.4777778	27	12.0584714	16.0300000	0.1700000	44.0000000	12.1200000	31.1000000	-0.6206136	0.5094223

Stichprobe=URS Messung=2 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.8788000	25	10.0527228	18.7000000	0.8900000	37.0000000	14.1400000	26.0000000	-0.5890141	-0.0427899

Stichprobe=URS Messung=2 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
18.8016667	24	10.4418429	18.7500000	0.2300000	35.9000000	10.9450000	28.2000000	-0.8320049	-0.0545492

Stichprobe=URS Messung=2 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
18.6738462	26	12.4499658	16.7000000	0.3000000	56.4000000	10.9300000	23.7000000	2.8850614	1.5182880

Stichprobe=URS Messung=2 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
16.4470833	24	10.2204375	17.4150000	0.2800000	42.6700000	9.4500000	21.7000000	0.4341734	0.3985554

Stichprobe=URS Messung=2 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
18.5892000	25	11.6251254	17.8000000	0.2500000	51.2000000	10.1000000	25.0000000	1.2214626	0.9178509

Stichprobe=URS Messung=2 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
18.3445455	22	7.0452204	16.9500000	1.1000000	30.1000000	14.0000000	23.5000000	0.3993614	-0.1482462

Stichprobe=URS Messung=2 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
19.0904167	24	12.5015775	16.5400000	0.0400000	47.8500000	11.3100000	20.4450000	0.8153284	1.0412792

Stichprobe=URS Messung=3 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.6456000	25	3.4335236	4.8000000	0.5000000	13.5300000	3.8900000	6.3000000	0.7924808	1.0410501

Stichprobe=URS Messung=3 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.1968750	24	4.7305060	4.1000000	0.2000000	21.5450000	2.3450000	7.1450000	5.3332189	1.9579438

Stichprobe=URS Messung=3 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.7977273	22	3.5236087	3.4500000	0.3000000	13.9000000	2.6000000	6.6000000	1.1532963	1.2876068

Stichprobe=URS Messung=3 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
4.9513636	22	3.2845574	4.2300000	0.1700000	12.4000000	2.6000000	6.9000000	0.2112352	0.7557498

Stichprobe=URS Messung=3 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.4650000	22	3.3069562	4.5550000	0.3700000	12.9000000	2.9000000	6.9000000	0.0076336	0.8382808

Stichprobe=URS Messung=3 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
5.8533333	15	4.5663046	4.2000000	0.4000000	16.6300000	2.6500000	8.2000000	1.2063995	1.3700572

Stichprobe=URS Messung=3 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
6.5081818	22	5.1999227	4.8150000	0.6500000	23.3200000	3.0000000	8.0800000	4.3009589	1.8902896

Stichprobe=URS Messung=4 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.8675000	24	3.8777641	2.6500000	0.2400000	17.0900000	1.1050000	5.2500000	4.9650609	2.0084834

Stichprobe=URS Messung=4 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
3.0013043	23	3.0695577	2.1000000	0.3000000	14.0100000	1.0500000	4.2900000	6.9018617	2.3523257

Stichprobe=URS Messung=4 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.5715385	26	1.5829888	2.6000000	0.1000000	6.9000000	1.7000000	3.0000000	1.4794018	0.8311366

Stichprobe=URS Messung=4 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.5377778	27	2.0223089	2.3000000	0.1000000	9.9000000	1.1000000	3.3000000	5.8516678	1.8973928

Stichprobe=URS Messung=4 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.8786957	23	2.0977159	2.3300000	0.0900000	7.9800000	1.3400000	3.0000000	0.9295467	1.2978213

Stichprobe=URS Messung=4 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.5136364	22	1.8010038	2.2150000	0.2000000	8.1000000	1.3000000	3.0000000	3.4870630	1.5779306

Stichprobe=URS Messung=4 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.6432000	25	2.4493736	2.1000000	0.1000000	10.2000000	1.0000000	3.3000000	3.3831034	1.8059703

Stichprobe=URS Messung=5 tag=1

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
2.4447826	23	2.8243308	1.4000000	0.1000000	13.2000000	0.7000000	3.8600000	9.3480769	2.7181787

Stichprobe=URS Messung=5 tag=2

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.2566667	24	1.1207632	0.8600000	0.2000000	3.6200000	0.5600000	1.3250000	0.5082959	1.3652256

Stichprobe=URS Messung=5 tag=3

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.4873077	26	1.3466865	1.0150000	0.1000000	4.9200000	0.6000000	1.6800000	1.8112204	1.6343394

Stichprobe=URS Messung=5 tag=4

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.4448000	25	1.0718252	1.3700000	0.1000000	3.6000000	0.7000000	1.9000000	-0.4773063	0.7338646

Stichprobe=URS Messung=5 tag=5

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.6665385	26	1.2314542	1.1300000	0.1000000	5.1000000	0.8000000	2.7000000	1.0450025	1.1485788

Stichprobe=URS Messung=5 tag=6

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.3572000	25	1.1017922	1.0000000	0.1000000	5.4700000	0.7100000	1.9000000	7.4224870	2.2954747

Stichprobe=URS Messung=5 tag=7

Mean	N	SD	Median	Minimum	Maximum	Lower Quartile	Upper Quartile	Kurtosis	Skewness
1.3661905	21	1.0385445	1.0000000	0.0600000	3.4600000	0.6000000	1.9000000	-0.6191942	0.7368275

B Einfluss des Tages auf die Ausprägung der Cortisolwerte (Analyse pro Messzeitpunkts)

Repeated Measurement Analysen - Mixed Model

```
            Class Level Information
Class    Levels    Values
vpn          65
tag           7    1 2 3 4 5 6 7
```

```
1. MZP
        Type 3 Tests of Fixed Effects
              Num     Den
Effect         DF      DF    F Value    Pr > F
tag             6     368       1.17    0.3243
```

```
2. MZP
        Type 3 Tests of Fixed Effects
              Num     Den
Effect         DF      DF    F Value    Pr > F
tag             6     333       1.23    0.2927
```

```
3. MZP
        Type 3 Tests of Fixed Effects
              Num     Den
Effect         DF      DF    F Value    Pr > F
tag             6     305       0.86    0.5243
```

```
4. MZP
       Type 3 Tests of Fixed Effects
              Num     Den
Effect         DF      DF    F Value    Pr > F
tag             6     323       1.49    0.1817
```

```
5. MZP
        Type 3 Tests of Fixed Effects
              Num     Den
Effect         DF      DF    F Value    Pr > F
tag             6     316       0.22    0.9713
```

C Einfluss von Tag und Stichprobenzugehörigkeit auf die Ausprägung der Cortisolwerte (Analyse pro Messzeitpunkts)

Class	Levels
vpn	66
Stichprobe	3
tag	7

Mixed Model Analyse: Cort (CS), 1. Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	362	2.18	0.0440
Stichprobe	2	63	1.10	0.3392
Stichprobe*tag	12	362	0.60	0.8455

Mixed Model Analyse: Cort (CS), 2. Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	327	0.63	0.7079
Stichprobe	2	63	0.41	0.6652
Stichprobe*tag	12	327	0.49	0.9186

Mixed Model Analyse: Cort (CS), 3. Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	299	1.11	0.3557
Stichprobe	2	63	2.87	0.0640
Stichprobe*tag	12	299	0.37	0.9719

Mixed Model Analyse: Cort (CS), 4. Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	316	3.04	0.0067
Stichprobe	2	63	3.83	0.0268
Stichprobe*tag	12	316	1.41	0.1587

Mixed Model Analyse: Cort (CS), 5. Messung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	310	0.73	0.6275
Stichprobe	2	63	0.81	0.4477
Stichprobe*tag	12	310	1.40	0.1655

D Korrelation zwischen den Cortisolwerten / Cortisolparametern der jeweils entsprechenden Messzeitpunkte der sieben Messtage pro Stichprobe

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 1
Stichprobe=FMS
The CORR Procedure
7 Variables: cortisol_1 cortisol_6 cortisol_11 cortisol_16 cortisol_21 cortisol_26 cortisol_31

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_1	19	13.61421	5.52567	258.67000	1.40000	29.05000
cortisol_6	18	12.96222	6.67422	233.32000	0.21000	26.91000
cortisol_11	17	14.52941	8.72277	247.00000	0.01000	39.96000
cortisol_16	18	11.97500	5.24103	215.55000	0.28000	24.63000
cortisol_21	18	14.05444	7.96027	252.98000	2.06000	32.42000
cortisol_26	17	15.90294	5.44096	270.35000	8.70000	27.31000
cortisol_31	18	14.82878	8.41252	266.91800	0.04000	31.93000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_1	cortisol_6	cortisol_11	cortisol_16	cortisol_21	cortisol_26	cortisol_31
cortisol_1	1.00000	0.77830	0.04893	0.25092	0.65803	0.50382	0.11542
		0.0001	0.8521	0.3152	0.0030	0.0392	0.6484
	19	18	17	18	18	17	18
cortisol_6	0.77830	1.00000	0.40177	0.36424	0.59027	0.22215	0.43974
	0.0001		0.1099	0.1373	0.0099	0.3915	0.0678
	18	18	17	18	18	17	18
cortisol_11	0.04893	0.40177	1.00000	-0.11586	0.58900	-0.26747	0.52137
	0.8521	0.1099		0.6579	0.0129	0.2993	0.0318
	17	17	17	17	17	17	17
cortisol_16	0.25092	0.36424	-0.11586	1.00000	0.00577	-0.06136	0.36796
	0.3152	0.1373	0.6579		0.9819	0.8150	0.1330
	18	18	17	18	18	17	18
cortisol_21	0.65803	0.59027	0.58900	0.00577	1.00000	0.37944	0.18373
	0.0030	0.0099	0.0129	0.9819		0.1331	0.4655
	18	18	17	18	18	17	18
cortisol_26	0.50382	0.22215	-0.26747	-0.06136	0.37944	1.00000	0.04421
	0.0392	0.3915	0.2993	0.8150	0.1331		0.8662
	17	17	17	17	17	17	17
cortisol_31	0.11542	0.43974	0.52137	0.36796	0.18373	0.04421	1.00000
	0.6484	0.0678	0.0318	0.1330	0.4655	0.8662	
	18	18	17	18	18	17	18

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 1
Stichprobe=KON
The CORR Procedure
7 Variables: cortisol_1 cortisol_6 cortisol_11 cortisol_16 cortisol_21 cortisol_26 cortisol_31

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_1	20	14.60300	5.62654	292.06000	5.53000	28.05000
cortisol_6	20	14.14200	7.23262	282.84000	0.95000	32.32000
cortisol_11	19	13.89316	5.72704	263.97000	5.63000	31.80000
cortisol_16	19	13.86211	6.20003	263.38000	2.04000	28.18000
cortisol_21	18	14.78222	8.34041	266.08000	3.89000	33.29000
cortisol_26	18	13.24056	5.36171	238.33000	0.96000	19.99000
cortisol_31	18	17.09389	8.81664	307.69000	2.45000	35.53000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_1	cortisol_6	cortisol_11	cortisol_16	cortisol_21	cortisol_26	cortisol_31
cortisol_1	1.00000	0.60696	0.52961	0.43594	0.34284	0.43321	0.04649
		0.0045	0.0197	0.0621	0.1637	0.0725	0.8547
	20	20	19	19	18	18	18
cortisol_6	0.60696	1.00000	0.60301	0.62924	0.58509	0.58958	0.44782
	0.0045		0.0063	0.0039	0.0108	0.0100	0.0624
	20	20	19	19	18	18	18
cortisol_11	0.52961	0.60301	1.00000	0.69740	0.08950	0.28335	0.25881
	0.0197	0.0063		0.0009	0.7240	0.2545	0.2997
	19	19	19	19	18	18	18
cortisol_16	0.43594	0.62924	0.69740	1.00000	0.30261	0.31697	0.13390
	0.0621	0.0039	0.0009		0.2222	0.2000	0.5963
	19	19	19	19	18	18	18
cortisol_21	0.34284	0.58509	0.08950	0.30261	1.00000	0.71790	0.55656
	0.1637	0.0108	0.7240	0.2222		0.0012	0.0203
	18	18	18	18	18	17	17
cortisol_26	0.43321	0.58958	0.28335	0.31697	0.71790	1.00000	0.37695
	0.0725	0.0100	0.2545	0.2000	0.0012		0.1231
	18	18	18	18	17	18	18
cortisol_31	0.04649	0.44782	0.25881	0.13390	0.55656	0.37695	1.00000
	0.8547	0.0624	0.2997	0.5963	0.0203	0.1231	
	18	18	18	18	17	18	18

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 1
Stichprobe=URS
The CORR Procedure
7 Variables: cortisol_1 cortisol_6 cortisol_11 cortisol_16 cortisol_21 cortisol_26 cortisol_31

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_1	27	16.30963	11.27451	440.36000	1.28000	47.20000
cortisol_6	27	13.22074	5.86606	356.96000	0.55000	27.70000
cortisol_11	27	15.38296	8.44597	415.34000	0.42000	39.40000
cortisol_16	27	15.82074	9.10989	427.16000	0.30000	38.10000
cortisol_21	27	16.23407	8.12466	438.32000	0.25000	33.30000
cortisol_26	27	16.35889	9.50886	441.69000	0.34000	38.70000
cortisol_31	27	19.47778	12.05847	525.90000	0.17000	44.00000

Pearson Correlation Coefficients, N = 27
Prob > |r| under H0: Rho=0

	cortisol_1	cortisol_6	cortisol_11	cortisol_16	cortisol_21	cortisol_26	cortisol_31
cortisol_1	1.00000	0.14170	0.58508	0.48888	0.72741	0.18674	0.41770
		0.4808	0.0013	0.0097	<.0001	0.3510	0.0302
cortisol_6	0.14170	1.00000	0.17596	0.53834	0.39896	0.51883	0.57305
	0.4808		0.3800	0.0038	0.0393	0.0056	0.0018
cortisol_11	0.58508	0.17596	1.00000	0.57471	0.43230	0.33691	0.37745
	0.0013	0.3800		0.0017	0.0243	0.0857	0.0523
cortisol_16	0.48888	0.53834	0.57471	1.00000	0.48925	0.41180	0.67509
	0.0097	0.0038	0.0017		0.0096	0.0328	0.0001
cortisol_21	0.72741	0.39896	0.43230	0.48925	1.00000	0.30353	0.45240
	<.0001	0.0393	0.0243	0.0096		0.1238	0.0178
cortisol_26	0.18674	0.51883	0.33691	0.41180	0.30353	1.00000	0.56297
	0.3510	0.0056	0.0857	0.0328	0.1238		0.0022
cortisol_31	0.41770	0.57305	0.37745	0.67509	0.45240	0.56297	1.00000
	0.0302	0.0018	0.0523	0.0001	0.0178	0.0022	

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 2
Stichprobe=FMS
The CORR Procedure
7 Variables: cortisol_2 cortisol_7 cortisol_12 cortisol_17 cortisol_22 cortisol_27 cortisol_32

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_2	18	19.74444	12.18147	355.40000	0.31000	37.26000
cortisol_7	17	15.79294	12.00810	268.48000	0.96000	50.07000
cortisol_12	14	16.51500	16.45578	231.21000	0.40000	54.87000
cortisol_17	16	19.09625	14.57293	305.54000	0.08000	43.98000
cortisol_22	17	20.39176	15.27840	346.66000	0.10000	53.39000
cortisol_27	16	16.48563	14.46666	263.77000	0.60000	52.71000
cortisol_32	17	17.40059	11.64314	295.81000	0.30000	40.10000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_2	cortisol_7	cortisol_12	cortisol_17	cortisol_22	cortisol_27	cortisol_32
cortisol_2	1.00000	0.15112	0.06629	0.29284	0.56408	0.14697	0.40366
		0.5626	0.8219	0.2710	0.0183	0.6012	0.1210
	18	17	14	16	17	15	16
cortisol_7	0.15112	1.00000	0.72345	0.66125	0.53469	0.86079	0.47956
	0.5626		0.0052	0.0073	0.0329	<.0001	0.0705
	17	17	13	15	16	14	15
cortisol_12	0.06629	0.72345	1.00000	0.67682	0.84200	0.89028	0.59852
	0.8219	0.0052		0.0078	0.0002	<.0001	0.0237
	14	13	14	14	14	13	14
cortisol_17	0.29284	0.66125	0.67682	1.00000	0.66797	0.78182	0.44994
	0.2710	0.0073	0.0078		0.0047	0.0006	0.0803
	16	15	14	16	16	15	16
cortisol_22	0.56408	0.53469	0.84200	0.66797	1.00000	0.92853	0.71018
	0.0183	0.0329	0.0002	0.0047		<.0001	0.0021
	17	16	14	16	17	15	16
cortisol_27	0.14697	0.86079	0.89028	0.78182	0.92853	1.00000	0.54434
	0.6012	<.0001	<.0001	0.0006	<.0001		0.0293
	15	14	13	15	15	16	16
cortisol_32	0.40366	0.47956	0.59852	0.44994	0.71018	0.54434	1.00000
	0.1210	0.0705	0.0237	0.0803	0.0021	0.0293	
	16	15	14	16	16	16	17

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 2
Stichprobe=KON
The CORR Procedure
7 Variables: cortisol_2 cortisol_7 cortisol_12 cortisol_17 cortisol_22 cortisol_27 cortisol_32

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_2	19	22.56737	9.47745	428.78000	0.72000	36.49000
cortisol_7	19	19.48947	11.53173	370.30000	0.71000	50.26000
cortisol_12	18	21.89389	10.36665	394.09000	3.28000	36.63000
cortisol_17	18	21.44667	11.39076	386.04000	3.90000	50.21000
cortisol_22	18	19.11056	9.15277	343.99000	6.96000	41.58000
cortisol_27	17	19.59706	12.83514	333.15000	0.46000	39.66000
cortisol_32	17	21.17059	11.92372	359.90000	0.15000	50.23000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_2	cortisol_7	cortisol_12	cortisol_17	cortisol_22	cortisol_27	cortisol_32
cortisol_2	1.00000	0.52210	0.38768	0.40374	0.19452	0.26587	0.11909
		0.0262	0.1119	0.0966	0.4392	0.3023	0.6489
	19	18	18	18	18	17	17
cortisol_7	0.52210	1.00000	0.46792	0.45737	0.21773	0.38081	-0.08392
	0.0262		0.0502	0.0563	0.4012	0.1315	0.7488
	18	19	18	18	17	17	17
cortisol_12	0.38768	0.46792	1.00000	0.41769	0.27291	0.49214	0.42816
	0.1119	0.0502		0.0846	0.2892	0.0448	0.0864
	18	18	18	18	17	17	17
cortisol_17	0.40374	0.45737	0.41769	1.00000	0.71918	0.23808	0.48919
	0.0966	0.0563	0.0846		0.0011	0.3575	0.0463
	18	18	18	18	17	17	17
cortisol_22	0.19452	0.21773	0.27291	0.71918	1.00000	0.15820	0.35733
	0.4392	0.4012	0.2892	0.0011		0.5584	0.1742
	18	17	17	17	18	16	16
cortisol_27	0.26587	0.38081	0.49214	0.23808	0.15820	1.00000	0.12224
	0.3023	0.1315	0.0448	0.3575	0.5584		0.6520
	17	17	17	17	16	17	16
cortisol_32	0.11909	-0.08392	0.42816	0.48919	0.35733	0.12224	1.00000
	0.6489	0.7488	0.0864	0.0463	0.1742	0.6520	
	17	17	17	17	16	16	17

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 2
Stichprobe=URS
The CORR Procedure
7 Variables: cortisol_2 cortisol_7 cortisol_12 cortisol_17 cortisol_22 cortisol_27 cortisol_32

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_2	25	19.87880	10.05272	496.97000	0.89000	37.00000
cortisol_7	24	18.80167	10.44184	451.24000	0.23000	35.90000
cortisol_12	26	18.67385	12.44997	485.52000	0.30000	56.40000
cortisol_17	24	16.44708	10.22044	394.73000	0.28000	42.67000
cortisol_22	25	18.58920	11.62513	464.73000	0.25000	51.20000
cortisol_27	22	18.34455	7.04522	403.58000	1.10000	30.10000
cortisol_32	24	19.09042	12.50158	458.17000	0.04000	47.85000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_2	cortisol_7	cortisol_12	cortisol_17	cortisol_22	cortisol_27	cortisol_32
cortisol_2	1.00000	0.56992	0.70567	0.66939	0.58234	0.53910	0.47850
		0.0056	0.0001	0.0007	0.0036	0.0142	0.0243
	25	22	24	22	23	20	22
cortisol_7	0.56992	1.00000	0.39407	0.43071	0.19156	0.13851	0.20706
	0.0056		0.0567	0.0454	0.3812	0.5603	0.3431
	22	24	24	22	23	20	23
cortisol_12	0.70567	0.39407	1.00000	0.64926	0.44152	0.58925	0.17510
	0.0001	0.0567		0.0006	0.0271	0.0039	0.4131
	24	24	26	24	25	22	24
cortisol_17	0.66939	0.43071	0.64926	1.00000	0.41106	0.57102	0.43107
	0.0007	0.0454	0.0006		0.0513	0.0085	0.0452
	22	22	24	24	23	20	22
cortisol_22	0.58234	0.19156	0.44152	0.41106	1.00000	0.42628	0.50934
	0.0036	0.3812	0.0271	0.0513		0.0540	0.0131
	23	23	25	23	25	21	23
cortisol_27	0.53910	0.13851	0.58925	0.57102	0.42628	1.00000	0.12839
	0.0142	0.5603	0.0039	0.0085	0.0540		0.5896
	20	20	22	20	21	22	20
cortisol_32	0.47850	0.20706	0.17510	0.43107	0.50934	0.12839	1.00000
	0.0243	0.3431	0.4131	0.0452	0.0131	0.5896	
	22	23	24	22	23	20	24

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 3
Stichprobe=FMS
The CORR Procedure
7 Variables: cortisol_3 cortisol_8 cortisol_13 cortisol_18 cortisol_23 cortisol_28 cortisol_33

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_3	17	7.41941	5.76638	126.13000	0.01000	24.01000
cortisol_8	16	8.57125	8.35672	137.14000	0.34000	30.06000
cortisol_13	14	7.79000	4.47225	109.06000	0.05000	16.82000
cortisol_18	13	7.30077	5.25811	94.91000	1.55000	18.61000
cortisol_23	15	8.74933	6.64497	131.24000	0.01000	23.74000
cortisol_28	17	8.68765	7.75897	147.69000	1.47000	25.75000
cortisol_33	15	8.76600	8.13751	131.49000	0.15000	31.67000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_3	cortisol_8	cortisol_13	cortisol_18	cortisol_23	cortisol_28	cortisol_33
cortisol_3	1.00000	0.41260	0.74124	0.62849	0.15403	0.21238	-0.02807
		0.1264	0.0037	0.0286	0.6154	0.4297	0.9241
	17	15	13	12	13	16	14
cortisol_8	0.41260	1.00000	0.40743	0.27476	0.25052	0.46895	0.15497
	0.1264		0.1886	0.3874	0.3877	0.0778	0.6132
	15	16	12	12	14	15	13
cortisol_13	0.74124	0.40743	1.00000	0.85424	0.28645	0.29872	-0.01884
	0.0037	0.1886		0.0004	0.3667	0.2995	0.9490
	13	12	14	12	12	14	14
cortisol_18	0.62849	0.27476	0.85424	1.00000	0.31192	0.19287	0.00707
	0.0286	0.3874	0.0004		0.3236	0.5279	0.9826
	12	12	12	13	12	13	12
cortisol_23	0.15403	0.25052	0.28645	0.31192	1.00000	0.17782	-0.14645
	0.6154	0.3877	0.3667	0.3236		0.5431	0.6497
	13	14	12	12	15	14	12
cortisol_28	0.21238	0.46895	0.29872	0.19287	0.17782	1.00000	0.68439
	0.4297	0.0778	0.2995	0.5279	0.5431		0.0049
	16	15	14	13	14	17	15
cortisol_33	-0.02807	0.15497	-0.01884	0.00707	-0.14645	0.68439	1.00000
	0.9241	0.6132	0.9490	0.9826	0.6497	0.0049	
	14	13	14	12	12	15	15

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 3
Stichprobe=KON
The CORR Procedure
7 Variables: cortisol_3 cortisol_8 cortisol_13 cortisol_18 cortisol_23 cortisol_28 cortisol_33

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_3	20	5.60800	4.65110	112.16000	0.03000	20.55000
cortisol_8	18	6.59167	4.07706	118.65000	0.14000	16.29000
cortisol_13	18	6.12556	3.96310	110.26000	0.99000	15.20000
cortisol_18	16	7.26281	3.88468	116.20500	0.16000	17.54500
cortisol_23	17	7.76529	3.90951	132.01000	1.81000	16.33000
cortisol_28	17	7.12412	4.63399	121.11000	0.02000	20.26000
cortisol_33	18	8.00944	5.59654	144.17000	0.28000	23.62000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_3	cortisol_8	cortisol_13	cortisol_18	cortisol_23	cortisol_28	cortisol_33
cortisol_3	1.00000	0.48261	0.46386	0.70419	0.32566	0.71847	0.47304
		0.0425	0.0525	0.0023	0.2021	0.0012	0.0474
	20	18	18	16	17	17	18
cortisol_8	0.48261	1.00000	0.76143	0.55935	0.45619	0.48695	0.09669
	0.0425		0.0004	0.0243	0.0757	0.0474	0.7027
	18	18	17	16	16	17	18
cortisol_13	0.46386	0.76143	1.00000	0.59791	0.77974	0.73657	0.16086
	0.0525	0.0004		0.0186	0.0004	0.0011	0.5374
	18	17	18	15	16	16	17
cortisol_18	0.70419	0.55935	0.59791	1.00000	0.39123	0.86295	0.22779
	0.0023	0.0243	0.0186		0.1666	<.0001	0.3962
	16	16	15	16	14	15	16
cortisol_23	0.32566	0.45619	0.77974	0.39123	1.00000	0.42553	0.17105
	0.2021	0.0757	0.0004	0.1666		0.1138	0.5265
	17	16	16	14	17	15	16
cortisol_28	0.71847	0.48695	0.73657	0.86295	0.42553	1.00000	0.29225
	0.0012	0.0474	0.0011	<.0001	0.1138		0.2550
	17	17	16	15	15	17	17
cortisol_33	0.47304	0.09669	0.16086	0.22779	0.17105	0.29225	1.00000
	0.0474	0.7027	0.5374	0.3962	0.5265	0.2550	
	18	18	17	16	16	17	18

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 3
Stichprobe=URS
The CORR Procedure
7 Variables: cortisol_3 cortisol_8 cortisol_13 cortisol_18 cortisol_23 cortisol_28 cortisol_33

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_3	25	5.64560	3.43352	141.14000	0.50000	13.53000
cortisol_8	24	5.19688	4.73051	124.72500	0.20000	21.54500
cortisol_13	22	4.79773	3.52361	105.55000	0.30000	13.90000
cortisol_18	22	4.95136	3.28456	108.93000	0.17000	12.40000
cortisol_23	22	5.46500	3.30696	120.23000	0.37000	12.90000
cortisol_28	15	5.85333	4.56630	87.80000	0.40000	16.63000
cortisol_33	22	6.50818	5.19992	143.18000	0.65000	23.32000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_3	cortisol_8	cortisol_13	cortisol_18	cortisol_23	cortisol_28	cortisol_33
cortisol_3	1.00000	0.40176	0.21517	0.78878	0.81402	-0.14352	0.13652
		0.0574	0.3489	<.0001	<.0001	0.6245	0.5660
	25	23	21	20	20	14	20
cortisol_8	0.40176	1.00000	-0.02116	0.37235	0.48821	0.00726	-0.06596
	0.0574		0.9295	0.1059	0.0339	0.9804	0.7823
	23	24	20	20	19	14	20
cortisol_13	0.21517	-0.02116	1.00000	0.33994	0.34441	-0.11661	0.09901
	0.3489	0.9295		0.1819	0.1616	0.7044	0.6868
	21	20	22	17	18	13	19
cortisol_18	0.78878	0.37235	0.33994	1.00000	0.33777	-0.02411	-0.02499
	<.0001	0.1059	0.1819		0.1573	0.9348	0.9167
	20	20	17	22	19	14	20
cortisol_23	0.81402	0.48821	0.34441	0.33777	1.00000	0.20473	0.53422
	<.0001	0.0339	0.1616	0.1573		0.5233	0.0224
	20	19	18	19	22	12	18
cortisol_28	-0.14352	0.00726	-0.11661	-0.02411	0.20473	1.00000	0.49644
	0.6245	.9804	0.7044	0.9348	0.5233		0.0598
	14	14	13	14	12	15	15
cortisol_33	0.13652	-0.06596	0.09901	-0.02499	0.53422	0.49644	1.00000
	0.5660	0.7823	0.6868	0.9167	0.0224	0.0598	
	20	20	19	20	18	15	22

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 4
Stichprobe=FMS
The CORR Procedure
7 Variables: cortisol_winsor4 cortisol_winsor9 cortisol_winsor14 cortisol_winsor19 cortisol_winsor24 cortisol_winsor29 cortisol_winsor34

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_4	16	5.47375	4.63329	87.58000	0.04000	16.42000
cortisol_9	15	5.70200	6.68212	85.53000	0.31000	25.04000
cortisol_14	16	2.85750	2.26171	45.72000	0.16000	8.30000
cortisol_19	15	3.50533	2.77342	52.58000	0.10000	8.94000
cortisol_24	13	3.03615	2.98966	39.47000	0.34000	11.76000
cortisol_29	15	3.34733	4.01271	50.21000	0.07000	16.42000
cortisol_34	15	3.43067	2.61834	51.46000	0.40000	10.10000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cortisol_4	cortisol_9	cortisol_14	cortisol_19	cortisol_24	cortisol_29	cortisol_34
cortisol_4	1.00000	0.33227	0.48210	0.59285	0.75489	0.29788	0.62148
		0.2913	0.0952	0.0327	0.0072	0.3010	0.0234
	16	12	13	13	11	14	13
cortisol_9	0.33227	1.00000	0.14398	0.64835	-0.07291	0.83335	0.54001
	0.2913		0.6234	0.0165	0.8129	0.0004	0.0568
	12	15	14	13	13	13	13
cortisol_14	0.48210	0.14398	1.00000	0.09624	0.48708	0.15719	-0.03873
	0.0952	0.6234		0.7435	0.0914	0.5915	0.9000
	13	14	16	14	13	14	13
cortisol_19	0.59285	0.64835	0.09624	1.00000	-0.19968	0.54636	0.78630
	0.0327	0.0165	0.7435		0.5561	0.0432	0.0024
	13	13	14	15	11	14	12
cortisol_24	0.75489	-0.07291	0.48708	-0.19968	1.00000	0.01235	0.57591
	0.0072	0.8129	0.0914	0.5561		0.9696	0.0500
	11	13	13	11	13	12	12
cortisol_29	0.29788	0.83335	0.15719	0.54636	0.01235	1.00000	0.28159
	0.3010	0.0004	0.5915	0.0432	0.9696		0.3513
	14	13	14	14	12	15	13
cortisol_34	0.62148	0.54001	-0.03873	0.78630	0.57591	0.28159	1.00000
	0.0234	0.0568	0.9000	0.0024	0.0500	0.3513	
	13	13	13	12	12	13	15

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 4
Stichprobe=KON
The CORR Procedure
7 Variables: cortisol_winsor4 cortisol_winsor9 cortisol_winsor14 cortisol_winsor19 cortisol_winsor24 cortisol_winsor29 cortisol_winsor34

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_4	19	4.74895	2.88876	90.23000	0.07000	10.91000
cortisol_9	19	4.03579	2.72996	76.68000	0.16000	9.42000
cortisol_14	17	4.46412	2.81012	75.89000	0.57000	11.50000
cortisol_19	15	3.08067	1.86470	46.21000	0.01000	7.15000
cortisol_24	19	4.87474	3.70690	92.62000	1.56000	15.99000
cortisol_29	18	4.44389	2.56683	79.99000	0.61000	9.52000
cortisol_34	18	3.43833	2.29346	61.89000	0.64000	8.85000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_4	cort_9	cort_14	cort_19	cort_24	cort_29	cort_34
cortisol_4	1.00000	0.19916	0.13918	-0.03904	0.13639	0.16204	0.08479
		0.4282	0.5942	0.8901	0.5894	0.5206	0.7380
	19	18	17	15	18	18	18
cortisol_9	0.19916	1.00000	0.23022	0.21496	0.26188	0.53022	0.26692
	0.4282		0.3740	0.4417	0.2788	0.0236	0.2843
	18	19	17	15	19	18	18
cortisol_14	0.13918	0.23022	1.00000	0.22839	0.79245	0.57603	0.38149
	0.5942	0.3740		0.4130	0.0001	0.0155	0.1308
	17	17	17	15	17	17	17
cortisol_19	-0.03904	0.21496	0.22839	1.00000	-0.27010	0.16431	-0.14667
	0.8901	0.4417	0.4130		0.3303	0.5584	0.6019
	15	15	15	15	15	15	15
cortisol_24	0.13639	0.26188	0.79245	-0.27010	1.00000	0.68854	0.37363
	0.5894	0.2788	0.0001	0.3303		0.0016	0.1267
	18	19	17	15	19	18	18
cortisol_29	0.16204	0.53022	0.57603	0.16431	0.68854	1.00000	0.37729
	0.5206	0.0236	0.0155	0.5584	0.0016		0.1227
	18	18	17	15	18	18	18
cortisol_34	0.08479	0.26692	0.38149	-0.14667	0.37363	0.37729	1.00000
	0.7380	0.2843	0.1308	0.6019	0.1267	0.1227	
	18	18	17	15	18	18	18

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 4
Stichprobe=URS
The CORR Procedure
7 Variables: cortisol_winsor4 cortisol_winsor9 cortisol_winsor14 cortisol_winsor19 cortisol_winsor24 cortisol_winsor29 cortisol_winsor34

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_4	24	3.86750	3.87776	92.82000	0.24000	17.09000
cortisol_9	23	3.00130	3.06956	69.03000	0.30000	14.01000
cortisol_14	26	2.57154	1.58299	66.86000	0.10000	6.90000
cortisol_19	27	2.53778	2.02231	68.52000	0.10000	9.90000
cortisol_24	23	2.87870	2.09772	66.21000	0.09000	7.98000
cortisol_29	22	2.51364	1.80100	55.30000	0.20000	8.10000
cortisol_34	25	2.64320	2.44937	66.08000	0.10000	10.20000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_4	cort_9	cort_14	cort_19	cort_24	cort_29	cort_34
cortisol_4	1.00000	0.16810	0.24220	-0.14045	0.29756	0.20050	0.18879
		0.4787	0.2655	0.5127	0.1902	0.3967	0.4001
	24	20	23	24	21	20	22
cortisol_9	0.16810	1.00000	0.12933	-0.04648	0.31847	0.21128	0.27213
	0.4787		0.5564	0.8332	0.1712	0.3852	0.2327
	20	23	23	23	20	19	21
cortisol_14	0.24220	0.12933	1.00000	0.04709	0.03949	0.19010	0.41161
	0.2655	0.5564		0.8193	0.8580	0.4092	0.0457
	23	23	26	26	23	21	24
cortisol_19	-0.14045	-0.04648	0.04709	1.00000	0.14805	0.07222	-0.04339
	0.5127	0.8332	0.8193		0.5002	0.7494	0.8368
	24	23	26	27	23	22	25
cortisol_24	0.29756	0.31847	0.03949	0.14805	1.00000	0.43057	0.10276
	0.1902	0.1712	0.8580	0.5002		0.0581	0.6576
	21	20	23	23	23	20	21
cortisol_29	0.20050	0.21128	0.19010	0.07222	0.43057	1.00000	0.32830
	0.3967	0.3852	0.4092	0.7494	0.0581		0.1576
	20	19	21	22	20	22	20
cortisol_34	0.18879	0.27213	0.41161	-0.04339	0.10276	0.32830	1.00000
	0.4001	0.2327	0.0457	0.8368	0.6576	0.1576	
	22	21	24	25	21	20	25

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 5
Stichprobe=FMS
The CORR Procedure
7 Variables: cortisol_5 cortisol_10 cortisol_15 cortisol_20 cortisol_25 cortisol_30 cortisol_35

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_5	17	1.68765	2.10243	28.69000	0.01000	6.40000
cortisol_10	14	1.80000	1.53227	25.20000	0.05000	5.96000
cortisol_15	14	2.13643	2.68503	29.91000	0.09000	7.96000
cortisol_20	16	2.06187	2.24337	32.99000	0.15000	7.34000
cortisol_25	13	1.29231	1.15482	16.80000	0.01000	3.99000
cortisol_30	14	1.66786	1.59366	23.35000	0.40000	6.42000
cortisol_35	14	2.95357	3.92959	41.35000	0.10000	13.24000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_5	cort_10	cort_15	cort_20	cort_25	cort_30	cort_35
cortisol_5	1.00000	0.00301	0.43750	0.47708	0.45224	0.21608	-0.02825
		0.9919	0.1349	0.0845	0.1399	0.5000	0.9306
	17	14	13	14	12	12	12
cortisol_10	0.00301	1.00000	-0.10607	0.43440	0.45879	-0.12424	-0.11668
	0.9919		0.7428	0.1582	0.1558	0.7159	0.7180
	14	14	12	12	11	11	12
cortisol_15	0.43750	-0.10607	1.00000	0.61710	0.38518	0.09383	-0.04474
	0.1349	0.7428		0.0325	0.2421	0.7718	0.8961
	13	12	14	12	11	12	11
cortisol_20	0.47708	0.43440	0.61710	1.00000	0.84465	0.14010	-0.04834
	0.0845	0.1582	0.0325		0.0003	0.6329	0.8697
	14	12	12	16	13	14	14
cortisol_25	0.45224	0.45879	0.38518	0.84465	1.00000	-0.15947	-0.21299
	0.1399	0.1558	0.2421	0.0003		0.6206	0.5063
	12	11	11	13	13	12	12
cortisol_30	0.21608	-0.12424	0.09383	0.14010	-0.15947	1.00000	0.59933
	0.5000	0.7159	0.7718	0.6329	0.6206		0.0304
	12	11	12	14	12	14	13
cortisol_35	-0.02825	-0.11668	-0.04474	-0.04834	-0.21299	0.59933	1.00000
	0.9306	0.7180	0.8961	0.8697	0.5063	0.0304	
	12	12	11	14	12	13	14

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 5
Stichprobe=KON
The CORR Procedure
7 Variables: cortisol_5 cortisol_10 cortisol_15 cortisol_20 cortisol_25 cortisol_30 cortisol_35

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_5	20	1.85650	1.77624	37.13000	0.01000	6.49000
cortisol_10	19	2.02368	1.73617	38.45000	0.10000	5.80000
cortisol_15	18	1.96222	1.45089	35.32000	0.24000	5.14000
cortisol_20	15	2.09933	2.18603	31.49000	0.24000	8.91000
cortisol_25	16	2.17438	2.56747	34.79000	0.21000	10.40000
cortisol_30	18	1.88167	1.76359	33.87000	0.05000	6.34000
cortisol_35	16	1.88750	1.18079	30.20000	0.03000	4.04000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_5	cort_10	cort_15	cort_20	cort_25	cort_30	cort_35
cortisol_5	1.00000	0.62713	0.08136	0.49032	0.28729	0.56598	0.08861
		0.0041	0.7482	0.0635	0.2806	0.0143	0.7442
	20	19	18	15	16	18	16
cortisol_10	0.62713	1.00000	0.27653	0.77063	0.38625	0.78856	0.38454
	0.0041		0.2666	0.0008	0.1395	0.0001	0.1414
	19	19	18	15	16	18	16
cortisol_15	0.08136	0.27653	1.00000	0.05894	-0.04176	0.23763	0.10597
	0.7482	0.2666		0.8347	0.8825	0.3584	0.7070
	18	18	18	15	15	17	15
cortisol_20	0.49032	0.77063	0.05894	1.00000	0.17770	0.88234	0.41472
	0.0635	0.0008	0.8347		0.5614	<.0001	0.1801
	15	15	15	15	13	14	12
cortisol_25	0.28729	0.38625	-0.04176	0.17770	1.00000	0.29265	0.29194
	0.2806	0.1395	0.8825	0.5614		0.2714	0.3112
	16	16	15	13	16	16	14
cortisol_30	0.56598	0.78856	0.23763	0.88234	0.29265	1.00000	0.37964
	0.0143	0.0001	0.3584	<.0001	0.2714		0.1470
	18	18	17	14	16	18	16
cortisol_35	0.08861	0.38454	0.10597	0.41472	0.29194	0.37964	1.00000
	0.7442	0.1414	0.7070	0.1801	0.3112	0.1470	
	16	16	15	12	14	16	16

Spearman Rangkorrelation zwischen den Tagen 1-7, Messung 5
Stichprobe=URS
The CORR Procedure
7 Variables: cortisol_5 cortisol_10 cortisol_15 cortisol_20 cortisol_25 cortisol_30 cortisol_35

Simple Statistics

Variable	N	Mean	SD	Sum	Minimum	Maximum
cortisol_5	23	2.44478	2.82433	56.23000	0.10000	13.20000
cortisol_10	24	1.25667	1.12076	30.16000	0.20000	3.62000
cortisol_15	26	1.48731	1.34669	38.67000	0.10000	4.92000
cortisol_20	25	1.44480	1.07183	36.12000	0.10000	3.60000
cortisol_25	26	1.66654	1.23145	43.33000	0.10000	5.10000
cortisol_30	25	1.35720	1.10179	33.93000	0.10000	5.47000
cortisol_35	21	1.36619	1.03854	28.69000	0.06000	3.46000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_5	cort_10	cort_15	cort_20	cort_25	cort_30	cort_35
cortisol_5	1.00000	0.28338	0.30069	0.30007	0.11484	-0.00468	0.12122
		0.2013	0.1739	0.1863	0.6108	0.9831	0.6430
	23	22	22	21	22	23	17
cortisol_10	0.28338	1.00000	0.52871	0.22454	0.65483	0.56278	0.58940
	0.2013		0.0095	0.3151	0.0007	0.0052	0.0101
	22	24	23	22	23	23	18
cortisol_15	0.30069	0.52871	1.00000	0.16394	0.69230	0.30203	0.26149
	0.1739	0.0095		0.4336	0.0001	0.1515	0.2522
	22	23	26	25	25	24	21
cortisol_20	0.30007	0.22454	0.16394	1.00000	0.45267	0.36244	0.23831
	0.1863	0.3151	0.4336		0.0263	0.0892	0.2982
	21	22	25	25	24	23	21
cortisol_25	0.11484	0.65483	0.69230	0.45267	1.00000	0.52620	0.53818
	0.6108	0.0007	0.0001	0.0263		0.0083	0.0144
	22	23	25	24	26	24	20
cortisol_30	-0.00468	0.56278	0.30203	0.36244	0.52620	1.00000	0.66760
	0.9831	0.0052	0.1515	0.0892	0.0083		0.0018
	23	23	24	23	24	25	19
cortisol_35	0.12122	0.58940	0.26149	0.23831	0.53818	0.66760	1.00000
	0.6430	0.0101	0.2522	0.2982	0.0144	0.0018	
	17	18	21	21	20	19	21

Cortisolparameter

Stabilität: Spearman Rangkorrelation der Cortisolparameter
Cort_dmr_tag= Absoluter Morgenanstieg (AMA) pro Tag; cort_cmr_tag = Cortisol-Morgenausschüttung (CMA) pro Tag; cort_ctr_tag= Cortisol-Gesamtausschüttung (CGA) pro Tag; auc_tag= totale Cortisolausschüttung, Area Under the Curve (AUC) pro Tag

The CORR Procedure

7 Variables: cort_dmr_tag1 cort_dmr_tag2 cort_dmr_tag3 cort_dmr_tag4 cort_dmr_tag5 cort_dmr_tag6 cort_dmr_tag7

Simple Statistics

Variable	N	Mean	SD	Median	Minimum	Maximum
cort_dmr_tag1	59	5.52458	11.04758	4.77000	-28.21000	25.00000
cort_dmr_tag2	52	5.26269	10.09288	5.37000	-13.46000	27.20000
cort_dmr_tag3	57	4.19474	11.89882	3.70000	-14.90000	37.20000
cort_dmr_tag4	51	4.27529	13.15538	5.00000	-20.60000	35.12000
cort_dmr_tag5	56	4.01911	11.57094	2.31000	-19.58000	41.36000
cort_dmr_tag6	53	3.17604	12.64338	2.04000	-21.87000	33.38000
cort_dmr_tag7	56	1.32218	13.54530	3.87000	-42.00000	39.83000

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_dmr_tag1	cort_dmr_tag2	cort_dmr_tag3	cort_dmr_tag4	cort_dmr_tag5	cort_dmr_tag6	cort_dmr_tag7
cort_dmr_tag1	1.00000	0.35736	0.31497	0.49105	0.41007	0.18922	0.13042
		0.0117	0.0204	0.0005	0.0023	0.1977	0.3617
	59	49	54	47	53	48	51
cort_dmr_tag2	0.35736	1.00000	0.55602	0.35547	0.16175	0.29769	0.10568
	0.0117		<.0001	0.0166	0.2721	0.0445	0.4747
	49	52	49	45	48	46	48
cort_dmr_tag3	0.31497	0.55602	1.00000	0.45653	0.28436	0.59955	0.18992
	0.0204	<.0001		0.0010	0.0391	<.0001	0.1775
	54	49	57	49	53	51	52
cort_dmr_tag4	0.49105	0.35547	0.45653	1.00000	0.27093	0.32227	0.24596
	0.0005	0.0166	0.0010		0.0686	0.0272	0.0956
	47	45	49	51	46	47	47
cort_dmr_tag5	0.41007	0.16175	0.28436	0.27093	1.00000	0.28241	0.29859
	0.0023	0.2721	0.0391	0.0686		0.0518	0.0352
	53	48	53	46	56	48	50
cort_dmr_tag6	0.18922	0.29769	0.59955	0.32227	0.28241	1.00000	0.36072
	0.1977	0.0445	<.0001	0.0272	0.0518		0.0109
	48	46	51	47	48	53	49
cort_dmr_tag7	0.13042	0.10568	0.18992	0.24596	0.29859	0.36072	1.00000
	0.3617	0.4747	0.1775	0.0956	0.0352	0.0109	
	51	48	52	47	50	49	56

The CORR Procedure

7 Variables: cort_cmr_tag1 cort_cmr_tag2 cort_cmr_tag3 cort_cmr_tag4 cort_cmr_tag5 cort_cmr_tag6 cort_cmr_tag7

Simple Statistics

Variable	N	Mean	SD	Median	Minimum	Maximum
cort_cmr_tag1	66	17.48583	7.78140	17.95750	0.85500	40.85000
cort_cmr_tag2	66	15.49818	7.64591	14.87500	0.55000	38.49000
cort_cmr_tag3	63	16.60095	8.76937	15.38500	0.42000	44.00000
cort_cmr_tag4	64	15.86109	7.47685	15.67500	0.18000	34.86500
cort_cmr_tag5	64	16.85289	8.55905	16.13500	0.25000	42.90500
cort_cmr_tag6	63	16.44230	7.37042	15.70000	0.34000	40.01000
cort_cmr_tag7	63	18.05602	9.06863	17.42500	0.10500	45.17500

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_cmr_tag1	cort_cmr_tag2	cort_cmr_tag3	cort_cmr_tag4	cort_cmr_tag5	cort_cmr_tag6	cort_cmr_tag7
cort_cmr_tag1	1.00000	0.63495	0.57782	0.44859	0.59617	0.37328	0.38909
Cortisol Morni		<.0001	<.0001	0.0002	<.0001	0.0026	0.0016
	66	66	63	64	64	63	63
cort_cmr_tag2	0.63495	1.00000	0.47749	0.57505	0.57918	0.46294	0.39022
Cortisol Morni	<.0001		<.0001	<.0001	<.0001	0.0001	0.0016
	66	66	63	64	64	63	63
cort_cmr_tag3	0.57782	0.47749	1.00000	0.45728	0.56717	0.44172	0.52451
Cortisol Morni	<.0001	<.0001		0.0002	<.0001	0.0003	<.0001
	63	63	63	63	63	62	62
cort_cmr_tag4	0.44859	0.57505	0.45728	1.00000	0.61986	0.56960	0.44264
Cortisol Morni	0.0002	<.0001	0.0002		<.0001	<.0001	0.0003
	64	64	63	64	64	63	63
cort_cmr_tag5	0.59617	0.57918	0.56717	0.61986	1.00000	0.51938	0.43542
Cortisol Morni	<.0001	<.0001	<.0001	<.0001		<.0001	0.0004
	64	64	63	64	64	63	63
cort_cmr_tag6	0.37328	0.46294	0.44172	0.56960	0.51938	1.00000	0.35935
Cortisol Morni	0.0026	0.0001	0.0003	<.0001	<.0001		0.0038
	63	63	62	63	63	63	63
cort_cmr_tag7	0.38909	0.39022	0.52451	0.44264	0.43542	0.35935	1.00000
Cortisol Morni	0.0016	0.0016	<.0001	0.0003	0.0004	0.0038	
	63	63	62	63	63	63	63

The CORR Procedure

7 Variables: cort_cmr_tag1 cort_cmr_tag2 cort_cmr_tag3 cort_cmr_tag4 cort_cmr_tag5 cort_cmr_tag6 cort_cmr_tag7

Simple Statistics

Variable	N	Mean	SD	Median	Minimum	Maximum
cort_cmr_tag1	66	17.48583	7.78140	17.95750	0.85500	40.85000
cort_cmr_tag2	66	15.49818	7.64591	14.87500	0.55000	38.49000
cort_cmr_tag3	63	16.60095	8.76937	15.38500	0.42000	44.00000
cort_cmr_tag4	64	15.86109	7.47685	15.67500	0.18000	34.86500
cort_cmr_tag5	64	16.85289	8.55905	16.13500	0.25000	42.90500
cort_cmr_tag6	63	16.44230	7.37042	15.70000	0.34000	40.01000
cort_cmr_tag7	63	18.05602	9.06863	17.42500	0.10500	45.17500

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_cmr_tag1	cort_cmr_tag2	cort_cmr_tag3	cort_cmr_tag4	cort_cmr_tag5	cort_cmr_tag6	cort_cmr_tag7
cort_cmr_tag1	1.00000	0.63495	0.57782	0.44859	0.59617	0.37328	0.38909
		<.0001	<.0001	0.0002	<.0001	0.0026	0.0016
	66	66	63	64	64	63	63
cort_cmr_tag2	0.63495	1.00000	0.47749	0.57505	0.57918	0.46294	0.39022
	<.0001		<.0001	<.0001	<.0001	0.0001	0.0016
	66	66	63	64	64	63	63
cort_cmr_tag3	0.57782	0.47749	1.00000	0.45728	0.56717	0.44172	0.52451
	<.0001	<.0001		0.0002	<.0001	0.0003	<.0001
	63	63	63	63	63	62	62
cort_cmr_tag4	0.44859	0.57505	0.45728	1.00000	0.61986	0.56960	0.44264
	0.0002	<.0001	0.0002		<.0001	<.0001	0.0003
	64	64	63	64	64	63	63
cort_cmr_tag5	0.59617	0.57918	0.56717	0.61986	1.00000	0.51938	0.43542
	<.0001	<.0001	<.0001	<.0001		<.0001	0.0004
	64	64	63	64	64	63	63
cort_cmr_tag6	0.37328	0.46294	0.44172	0.56960	0.51938	1.00000	0.35935
	0.0026	0.0001	0.0003	<.0001	<.0001		0.0038
	63	63	62	63	63	63	63
cort_cmr_tag7	0.38909	0.39022	0.52451	0.44264	0.43542	0.35935	1.00000
	0.0016	0.0016	<.0001	0.0003	0.0004	0.0038	
	63	63	62	63	63	63	63

The CORR Procedure

7 Variables: cort_ctr_tag1 cort_ctr_tag2 cort_ctr_tag3 cort_ctr_tag4 cort_ctr_tag5 cort_ctr_tag6 cort_ctr_tag7

Simple Statistics

Variable	N	Mean	SD	Median	Minimum	Maximum
cort_ctr_tag1	66	9.93884	4.08152	9.53200	0.44000	20.88600
cort_ctr_tag2	66	9.05492	4.23670	9.04500	0.45500	22.45000
cort_ctr_tag3	64	8.94338	4.53374	8.06000	0.23500	22.14400
cort_ctr_tag4	64	9.26542	4.51953	9.12550	0.27000	25.08333
cort_ctr_tag5	64	9.61182	4.11740	9.55267	0.24000	18.91000
cort_ctr_tag6	63	9.16416	3.52053	9.30000	0.49000	19.30600
cort_ctr_tag7	63	10.30981	4.76631	9.65250	0.16500	28.11750

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	cort_ctr_tag1	cort_ctr_tag2	cort_ctr_tag3	cort_ctr_tag4	cort_ctr_tag5	cort_ctr_tag6	cort_ctr_tag7
cort_ctr_tag1	1.00000	0.55111	0.60636	0.43636	0.50163	0.32047	0.37740
		<.0001	<.0001	0.0003	<.0001	0.0104	0.0023
	66	66	64	64	64	63	63
cort_ctr_tag2	0.55111	1.00000	0.47839	0.54666	0.48281	0.51502	0.44076
	<.0001		<.0001	<.0001	<.0001	<.0001	0.0003
	66	66	64	64	64	63	63
cort_ctr_tag3	0.60636	0.47839	1.00000	0.66964	0.56303	0.48017	0.55760
	<.0001	<.0001		<.0001	<.0001	<.0001	<.0001
	64	64	64	64	64	63	63
cort_ctr_tag4	0.43636	0.54666	0.66964	1.00000	0.67384	0.52031	0.57949
	0.0003	<.0001	<.0001		<.0001	<.0001	<.0001
	64	64	64	64	64	63	63
cort_ctr_tag5	0.50163	0.48281	0.56303	0.67384	1.00000	0.59032	0.61651
	<.0001	<.0001	<.0001	<.0001		<.0001	<.0001
	64	64	64	64	64	63	63
cort_ctr_tag6	0.32047	0.51502	0.48017	0.52031	0.59032	1.00000	0.50389
	0.0104	<.0001	<.0001	<.0001	<.0001		<.0001
	63	63	63	63	63	63	63
cort_ctr_tag7	0.37740	0.44076	0.55760	0.57949	0.61651	0.50389	1.00000
	0.0023	0.0003	<.0001	<.0001	<.0001	<.0001	
	63	63	63	63	63	63	63

The CORR Procedure

7 Variables: auc_tag1 auc_tag2 auc_tag3 auc_tag4 auc_tag5 auc_tag6 auc_tag7

Simple Statistics

Variable	N	Mean	SD	Median	Minimum	Maximum
auc_tag1	65	5981	3228	6185	56.81500	15432
auc_tag2	64	5068	3564	4577	93.00000	13548
auc_tag3	62	4708	3291	4430	42.84000	14433
auc_tag4	62	4571	3015	4564	43.80000	13773
auc_tag5	62	5238	3434	5335	144.84000	13078
auc_tag6	59	4487	3086	4399	366.00000	10659
auc_tag7	61	5767	4111	5143	35.76000	18282

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	auc_tag1	auc_tag2	auc_tag3	auc_tag4	auc_tag5	auc_tag6	auc_tag7
auc_tag1	1.00000	0.54450	0.52592	0.35767	0.36239	0.47959	0.19411
Cortisol		<.0001	<.0001	0.0047	0.0038	0.0001	0.1372
	65	63	62	61	62	58	60
auc_tag2	0.54450	1.00000	0.60931	0.55686	0.38815	0.56683	0.41600
Cortisol	<.0001		<.0001	<.0001	0.0020	<.0001	0.0009
	63	64	61	61	61	58	60
auc_tag3	0.52592	0.60931	1.00000	0.43187	0.42168	0.53594	0.36382
Cortisol	<.0001	<.0001		0.0005	0.0007	<.0001	0.0043
	62	61	62	61	61	58	60
auc_tag4	0.35767	0.55686	0.43187	1.00000	0.48100	0.36546	0.39596
Cortisol	0.0047	<.0001	0.0005		0.0001	0.0044	0.0016
	61	61	61	62	60	59	61
auc_tag5	0.36239	0.38815	0.42168	0.48100	1.00000	0.26519	0.23501
Cortisol	0.0038	0.0020	0.0007	0.0001		0.0442	0.0732
	62	61	61	60	62	58	59
auc_tag6	0.47959	0.56683	0.53594	0.36546	0.26519	1.00000	0.46501
Cortisol	0.0001	<.0001	<.0001	0.0044	0.0442		0.0002
	58	58	58	59	58	59	58
auc_tag7	0.19411	0.41600	0.36382	0.39596	0.23501	0.46501	1.00000
Cortisol	0.1372	0.0009	0.0043	0.0016	0.0732	0.0002	
	60	60	60	61	59	58	61

E Einfluss des Tages auf die Ausprägung der Cortisolparameter

Repeated Measurement Analysen - Mixed Model

Class Level Information

Class	Levels	Values
vpn	65	
tag	7	1 2 3 4 5 6 7

Absoluter Morgenanstieg

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	308	1.62	0.1423

Cortisol-Morgenausschüttung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	371	1.71	0.1178

Cortisol-Gesamtausschüttung

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	372	2.75	0.0125

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	372	1.59	0.2078
Tage 1 und 2	1	372	4.89	0.0276
Tage 1 und 3	1	372	7.06	0.0082
Tage 1 und 4	1	372	3.55	0.0603
Tage 1 und 5	1	372	0.63	0.4293
Tage 1 und 6	1	372	2.38	0.1240
Tage 1 und 7	1	372	0.29	0.5918
Tage 2 und 3	1	372	0.22	0.6389
Tage 2 und 4	1	372	0.09	0.7625
Tage 2 und 5	1	372	1.95	0.1636
Tage 2 und 6	1	372	0.40	0.5258
Tage 2 und 7	1	372	7.36	0.0070
Tage 3 und 4	1	372	0.59	0.4426
Tage 3 und 5	1	372	3.45	0.0641
Tage 3 und 6	1	372	1.20	0.2732
Tage 3 und 7	1	372	10.02	0.0017
Tage 4 und 5	1	372	1.18	0.2772
Tage 4 und 6	1	372	0.11	0.7397
Tage 4 und 7	1	372	5.77	0.0168

Tage 5 und 6	1	372	0.56	0.4533
Tage 5 und 7	1	372	1.74	0.1883
Tage 6 und 7	1	372	4.25	0.0399

Area Under the Curve (über den Tag)

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	357	3.21	0.0044

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	357	0.65	0.4195
Tage 1 und 2	1	357	4.19	0.0414
Tage 1 und 3	1	357	9.25	0.0025
Tage 1 und 4	1	357	8.57	0.0036
Tage 1 und 5	1	357	3.14	0.0773
Tage 1 und 6	1	357	10.74	0.0012
Tage 1 und 7	1	357	0.33	0.5684
Tage 2 und 3	1	357	1.02	0.3135
Tage 2 und 4	1	357	0.81	0.3685
Tage 2 und 5	1	357	0.07	0.7976
Tage 2 und 6	1	357	1.64	0.2012
Tage 2 und 7	1	357	2.08	0.1501
Tage 3 und 4	1	357	0.01	0.9138
Tage 3 und 5	1	357	1.58	0.2091
Tage 3 und 6	1	357	0.08	0.7764
Tage 3 und 7	1	357	5.92	0.0155
Tage 4 und 5	1	357	1.32	0.2517
Tage 4 und 6	1	357	0.15	0.6955
Tage 4 und 7	1	357	5.42	0.0204
Tage 5 und 6	1	357	2.32	0.1284
Tage 5 und 7	1	357	1.39	0.2396
Tage 6 und 7	1	357	7.21	0.0076

F Einfluss des Tages und der Stichprobenzugehörigkeit auf die Ausprägung der Cortisolparameter

```
Mixed Model Analyse: Cort (CS), AMA
             Class Level Information
Class     Levels    Values
vpn           65    2 4 6 7 8 11 12 14 19 20 21 22
                    24 25 27 28 30 31 32 33 34 35
                    36 37 38 39 40 41 42 43 45 47
                    48 49 57 60 61 65 66 68 69 70
                    72 73 74 76 77 78 79 81 84 85
                    86 87 90 91 92 93 94 95 96 97
                    99 100 101
Stichprobe         3    FMS KON URS
tag            7    1 2 3 4 5 6 7


         Type 3 Tests of Fixed Effects
               Num     Den
Effect          DF      DF    F Value    Pr > F
tag              6     296       1.76    0.1066
Stichprobe       2      60       1.37    0.2618
Stichprobe*tag   12     296       1.05    0.4061


Mixed Model Analyse: Cort (CS), CMA
             Class Level Information
Class     Levels    Values
vpn           65    2 4 6 7 8 11 12 14 19 20 21 22
                    24 25 27 28 30 31 32 33 34 35
                    36 37 38 39 40 41 42 43 45 47
                    48 49 57 60 61 65 66 68 69 70
                    72 73 74 76 77 78 79 81 84 85
                    86 87 90 91 92 93 94 95 96 97
                    99 100 101
Stichprobe         3    FMS KON URS
tag            7    1 2 3 4 5 6 7


         Type 3 Tests of Fixed Effects
               Num     Den
Effect          DF      DF    F Value    Pr > F

tag              6     359       1.89    0.0811
Stichprobe       2      62       0.64    0.5296
Stichprobe*tag  12     359       0.79    0.6644
```

Mixed Model Analyse: Cort (CS), CGA

Class Level Information

Class	Levels	Values
vpn	65	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
Stichprobe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	65
Max Obs Per Subject	7

Number of Observations

Number of Observations Read	455
Number of Observations Used	443
Number of Observations Not Used	12

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	360	2.77	0.0121
Stichprobe	2	62	0.50	0.6092
Stichprobe*tag	12	360	0.93	0.5131

Contrasts

Label	Num DF	Den DF	F Value	Pr > F
Tag	1	360	1.83	0.1775
Tage 1 und 2	1	360	4.52	0.0342
Tage 1 und 3	1	360	6.99	0.0086
Tage 1 und 4	1	360	2.75	0.0983
Tage 1 und 5	1	360	0.38	0.5407
Tage 1 und 6	1	360	2.33	0.1280
Tage 1 und 7	1	360	0.42	0.5180
Tage 2 und 3	1	360	0.30	0.5842
Tage 2 und 4	1	360	0.19	0.6615
Tage 2 und 5	1	360	2.20	0.1388
Tage 2 und 6	1	360	0.31	0.5773
Tage 2 und 7	1	360	7.46	0.0066
Tage 3 und 4	1	360	0.96	0.3277
Tage 3 und 5	1	360	4.08	0.0442
Tage 3 und 6	1	360	1.20	0.2738
Tage 3 und 7	1	360	10.60	0.0012
Tage 4 und 5	1	360	1.08	0.2995
Tage 4 und 6	1	360	0.01	0.9033
Tage 4 und 7	1	360	5.21	0.0231
Tage 5 und 6	1	360	0.83	0.3626
Tage 5 und 7	1	360	1.56	0.2126
Tage 6 und 7	1	360	4.63	0.0321
Stichprobe: FMS*KON	1	62	0.89	0.3483
Stichprobe: FMS*URS	1	62	0.07	0.7937
Stichprobe: KON*URS	1	62	0.60	0.4433
FMS/KON * Tag	1	360	0.69	0.4074
FMS/URS * Tag	1	360	0.68	0.4113
KON/URS * Tag	1	360	0.01	0.9363

Mixed Model Analyse: Cort (CS), AUC

Class Level Information

Class	Levels	Values
vpn	65	2 4 6 7 8 11 12 14 19 20 21 22 24 25 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 45 47 48 49 57 60 61 65 66 68 69 70 72 73 74 76 77 78 79 81 84 85 86 87 90 91 92 93 94 95 96 97 99 100 101
Stichprobe	3	FMS KON URS
tag	7	1 2 3 4 5 6 7

Dimensions

Covariance Parameters	2
Columns in X	32
Columns in Z	0
Subjects	65
Max Obs Per Subject	7

Number of Observations

Number of Observations Read	455
Number of Observations Used	428
Number of Observations Not Used	27

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
tag	6	345	2.93	0.0084
Stichprobe	2	62	1.82	0.1703
Stichprobe*tag	12	345	1.59	0.0934

Contrasts

Label	Num DF	Den DF	F Value	Pr > F	Effektgröße
Tag	1	345	0.09	0.7633	
Tage 1 und 2	1	345	4.36	0.0375	0.04
Tage 1 und 3	1	345	9.45	0.0023	0.4
Tage 1 und 4	1	345	7.81	0.0055	0.5
Tage 1 und 5	1	345	2.93	0.0881	
Tage 1 und 6	1	345	7.41	0.0068	0.5
Tage 1 und 7	1	345	0.14	0.7108	
Tage 2 und 3	1	345	1.03	0.3111	
Tage 2 und 4	1	345	0.55	0.4580	
Tage 2 und 5	1	345	0.13	0.7231	
Tage 2 und 6	1	345	0.47	0.4922	
Tage 2 und 7	1	345	2.82	0.0939	
Tage 3 und 4	1	345	0.07	0.7885	
Tage 3 und 5	1	345	1.84	0.1755	
Tage 3 und 6	1	345	0.10	0.7532	
Tage 3 und 7	1	345	7.09	0.0081	0.3
Tage 4 und 5	1	345	1.18	0.2786	
Tage 4 und 6	1	345	0.00	0.9613	
Tage 4 und 7	1	345	5.76	0.0169	0.3
Tage 5 und 6	1	345	1.06	0.3045	
Tage 5 und 7	1	345	1.73	0.1898	
Tage 6 und 7	1	345	5.44	0.0203	0.4
Stichprobe: FMS*KON	1	62	3.58	0.0632	
Stichprobe: FMS*URS	1	62	0.74	0.3922	
Stichprobe: KON*URS	1	62	1.45	0.2330	
FMS/KON * Tag	1	345	1.79	0.1815	
FMS/URS * Tag	1	345	7.65	0.0060	
KON/URS * Tag	1	345	1.92	0.1667	

Anhang 12

Verteilung der Cortisolparameter (Trait und State) in den Stichproben getrennt nach Geschlechtszugehörigkeit

Anhang 12

Cortisol-State-Parameter:
Verteilung in den drei Stichproben, getrennt nach Geschlechtsgruppen

Abkürzungen:

URS-M: Männer mit chronischen unspezifischen Rückenschmerzen

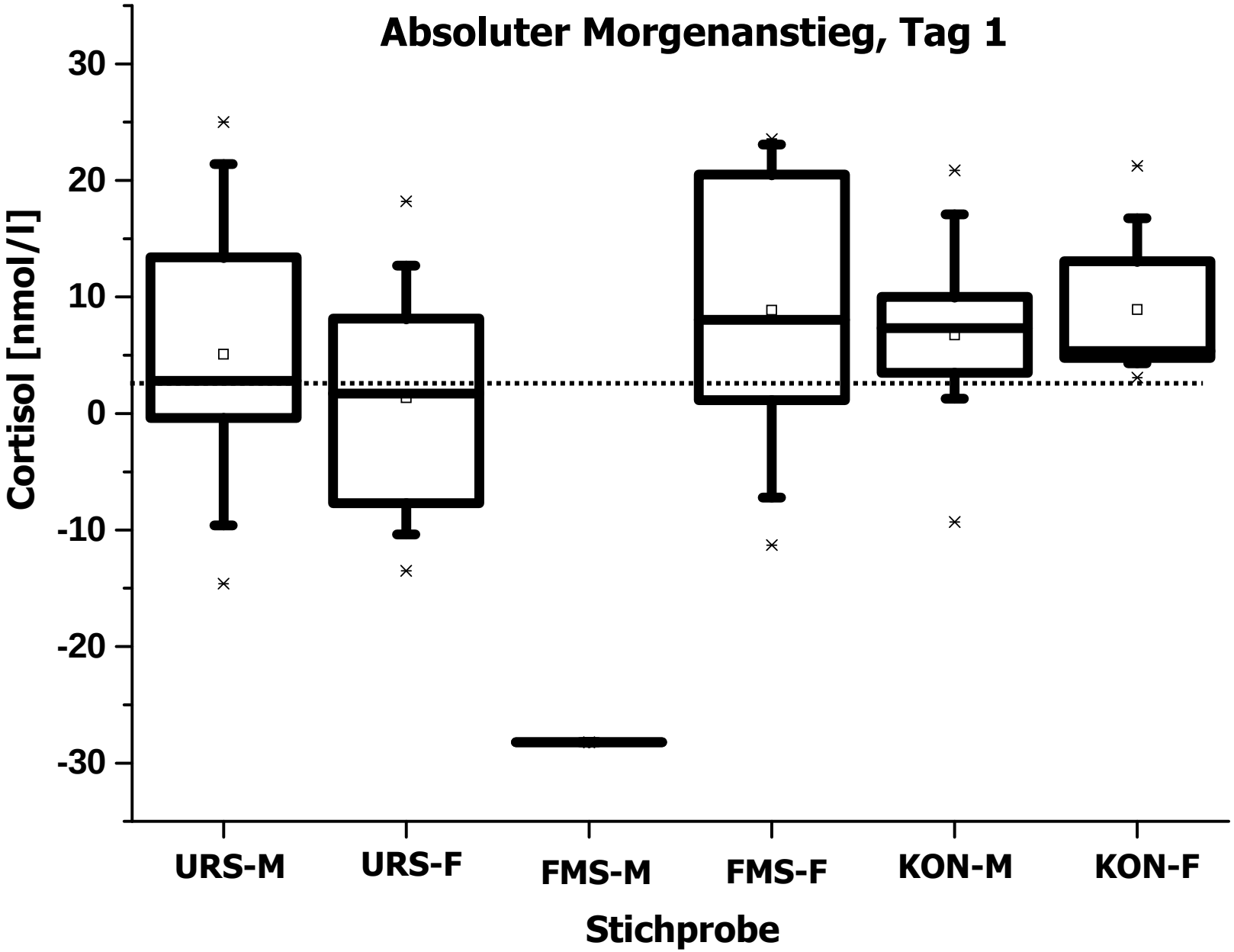
URS-F: Frauen mit chronischen unspezifischen Rückenschmerzen

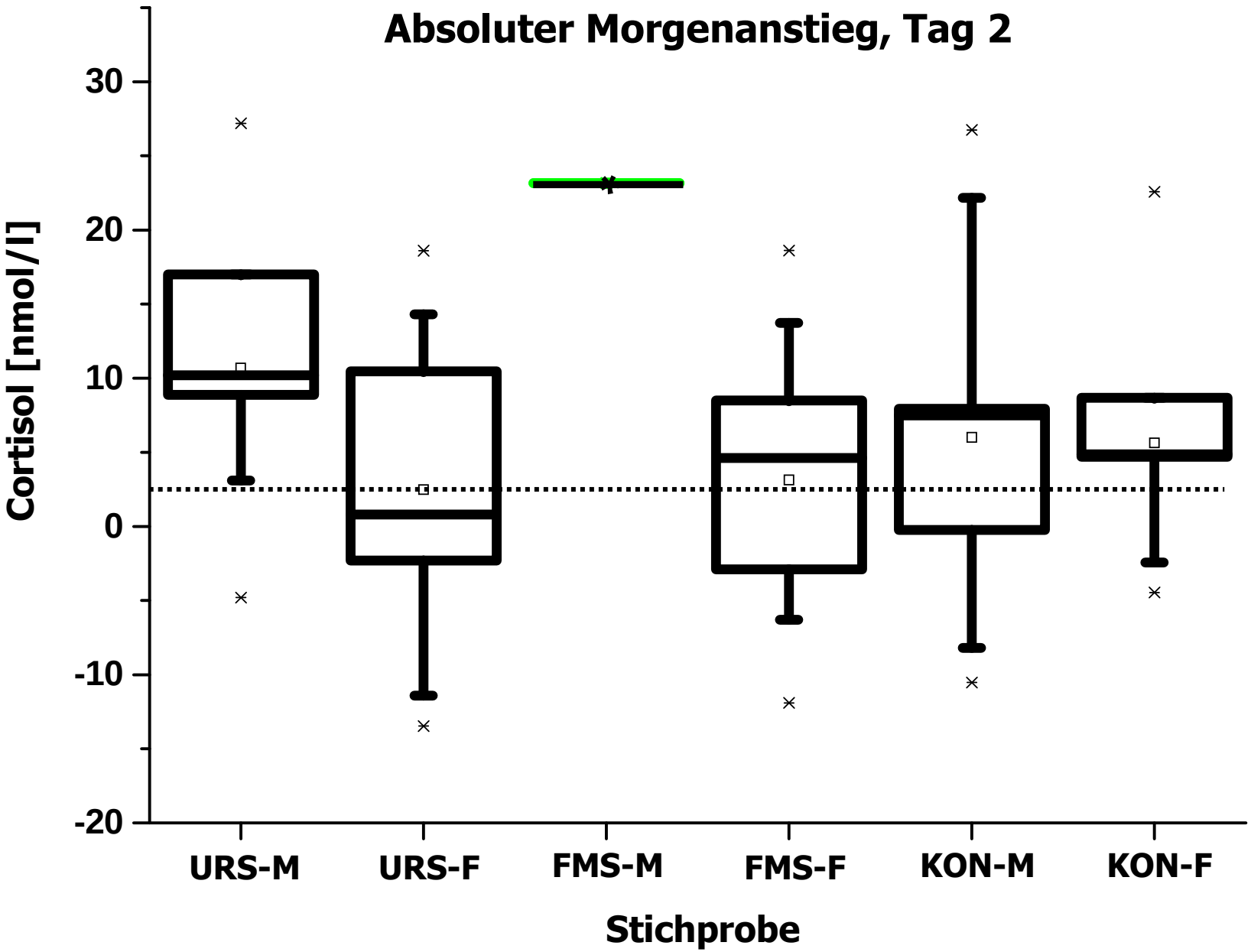
FMS-M: Mann mit Fibromyalgie

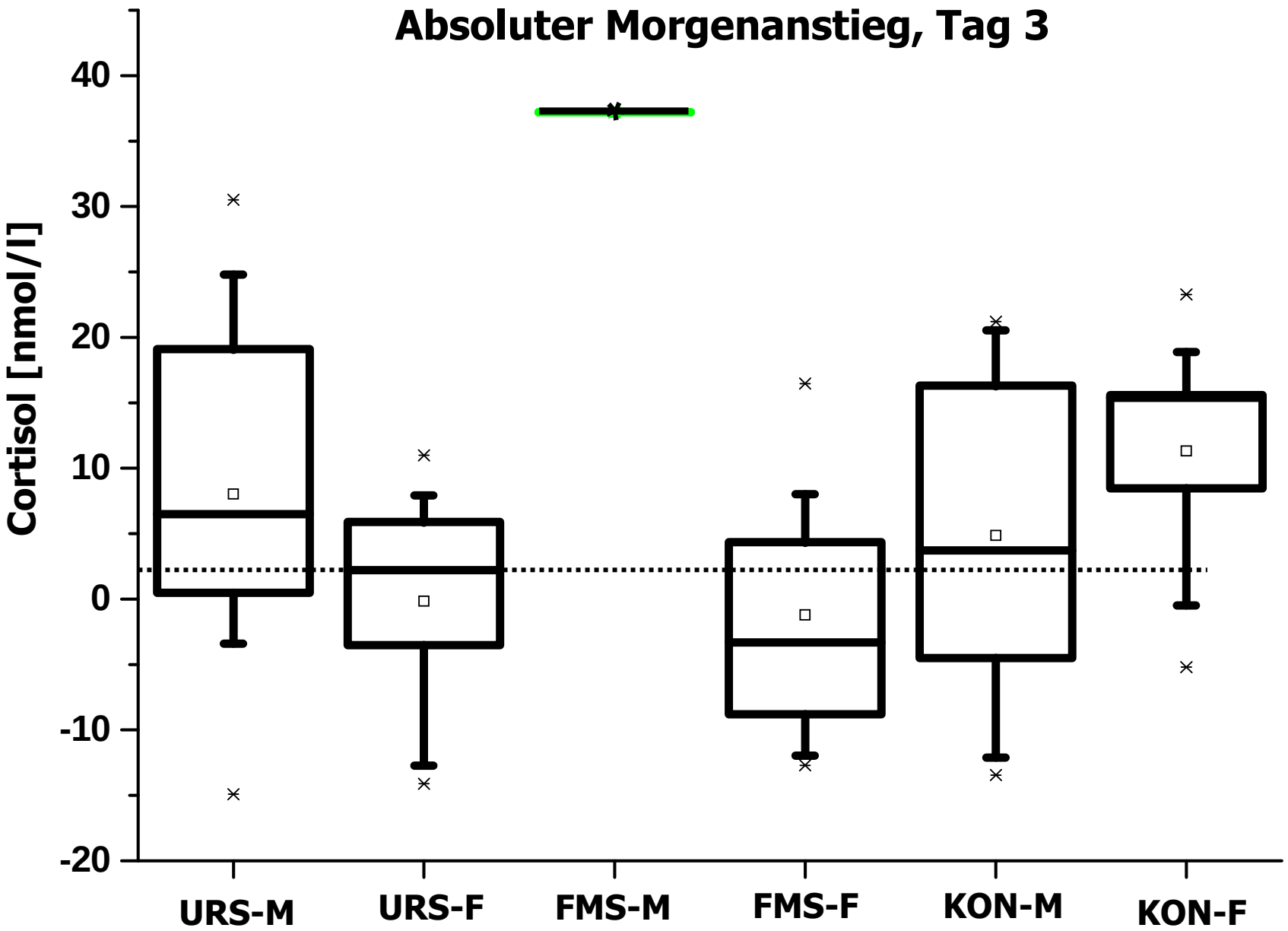
FMS-F: Frauen mit Fibromyalgie

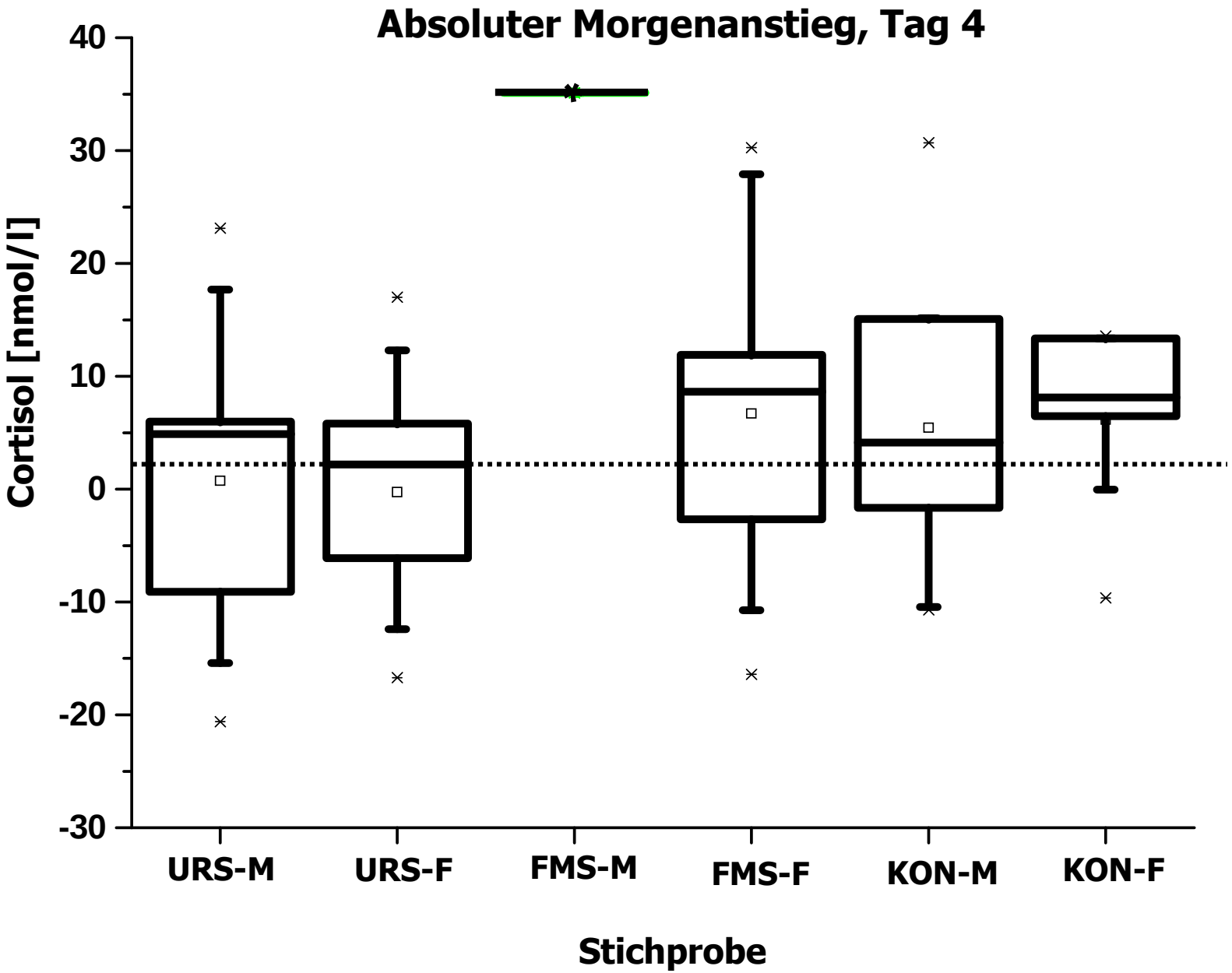
KON-M: Männer der gesunden Kontrollstichprobe

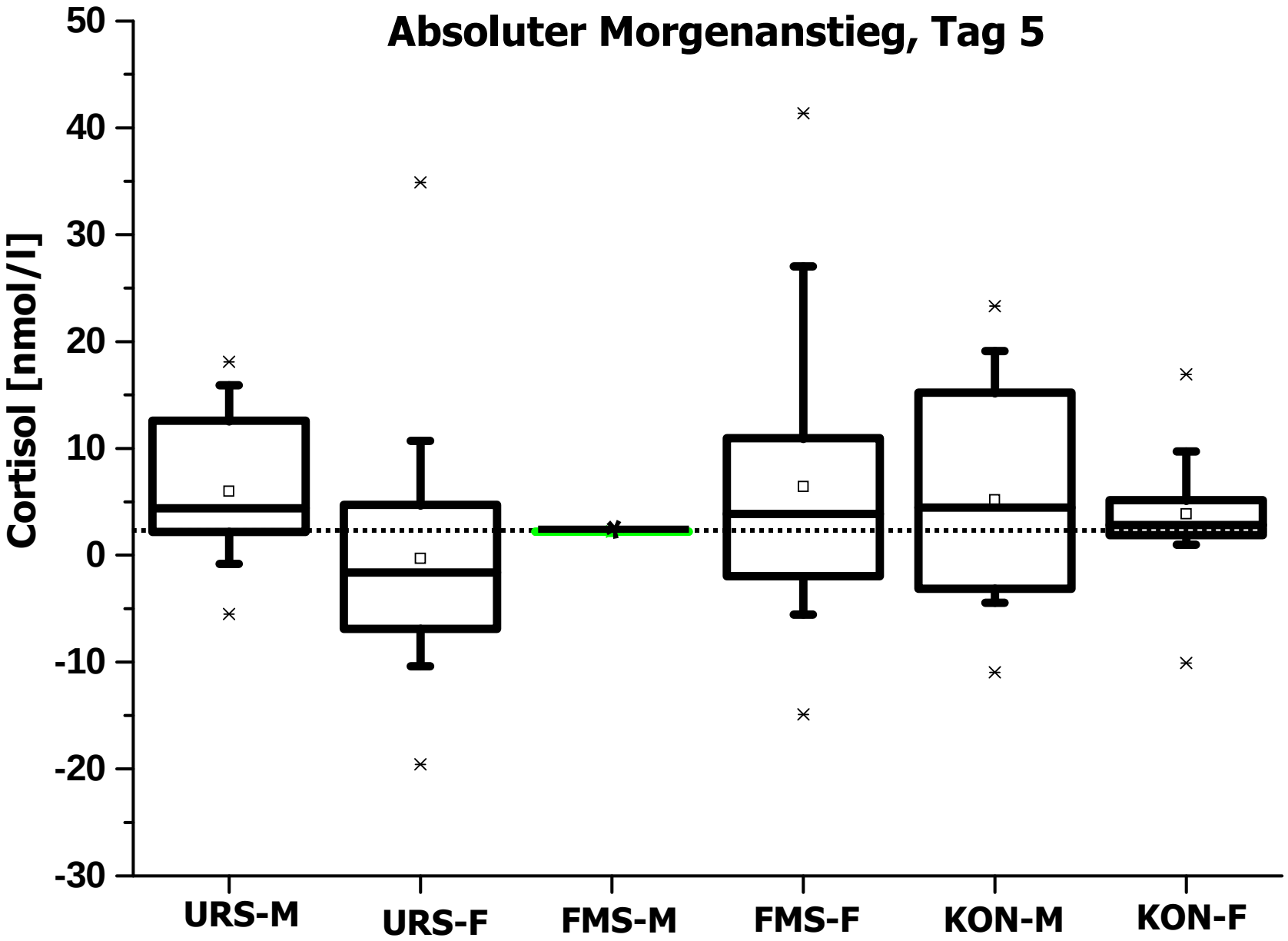
KON-F: Frauen der gesunden Kontrollstichprobe

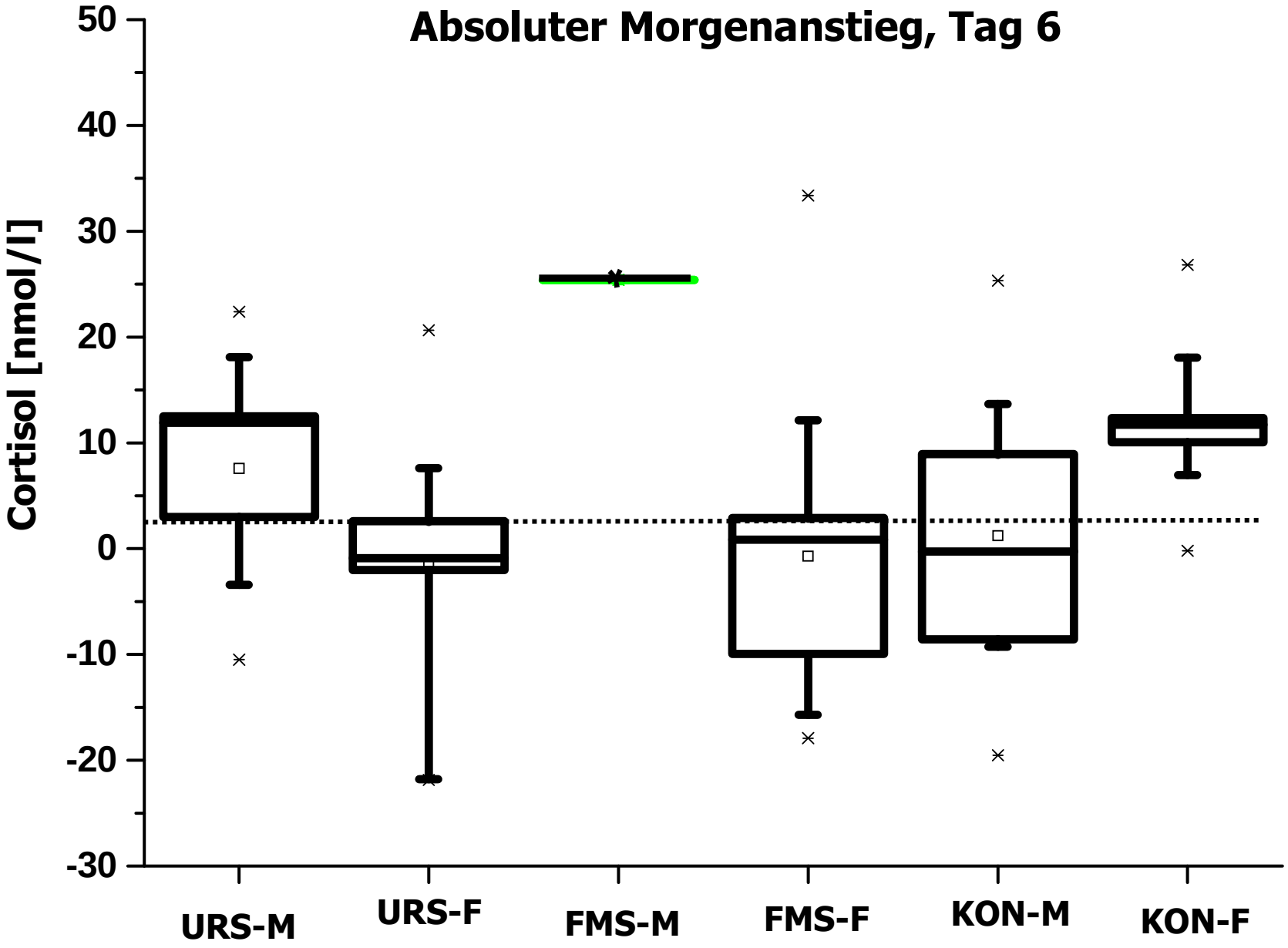

Absoluter Morgenanstieg, Tag 1
Cortisol [nmol/l]
30
20
10
0
-10
-20
-30
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

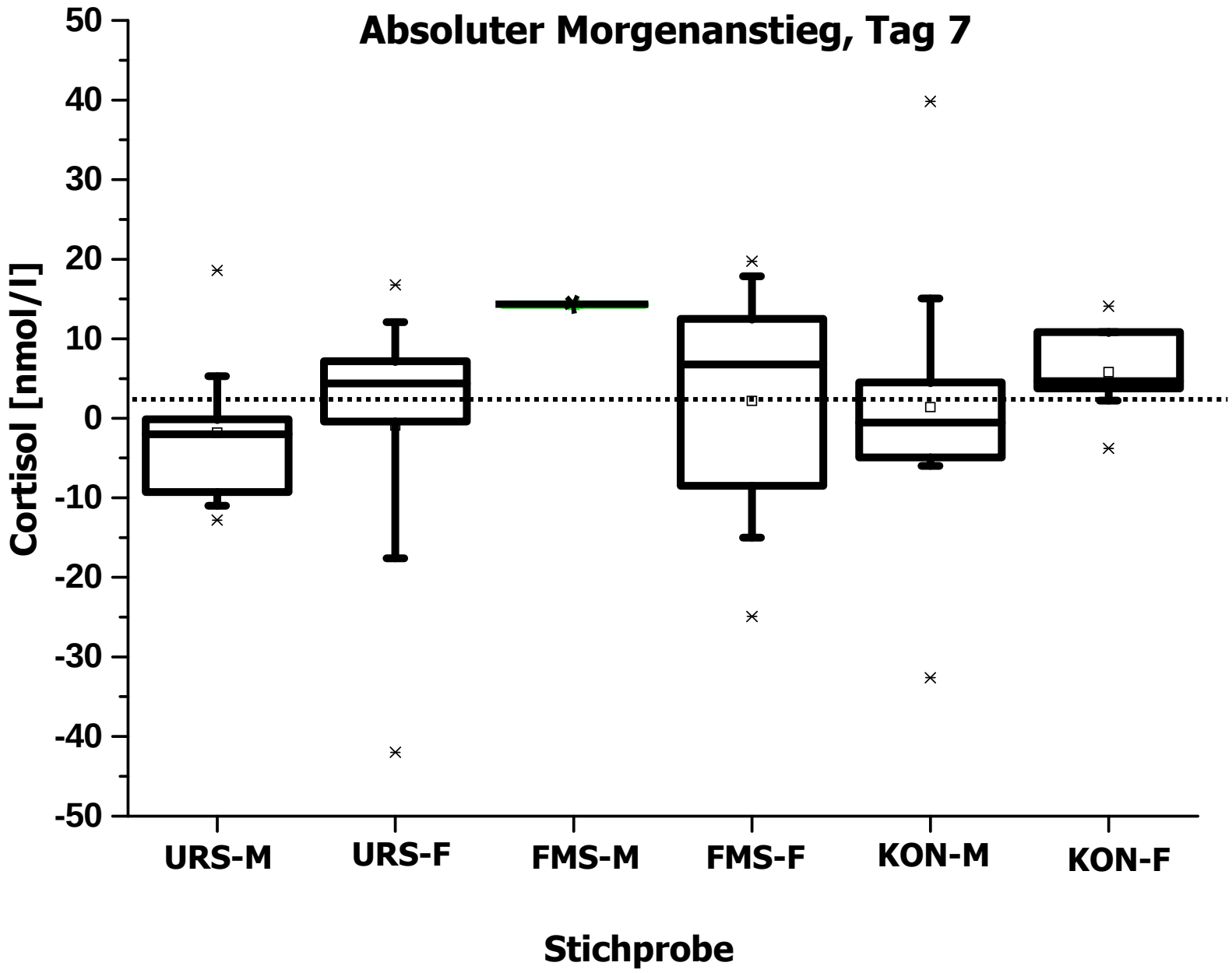

Absoluter Morgenanstieg, Tag 2
Cortisol [nmol/l]
30
20
10
0
-10
-20
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

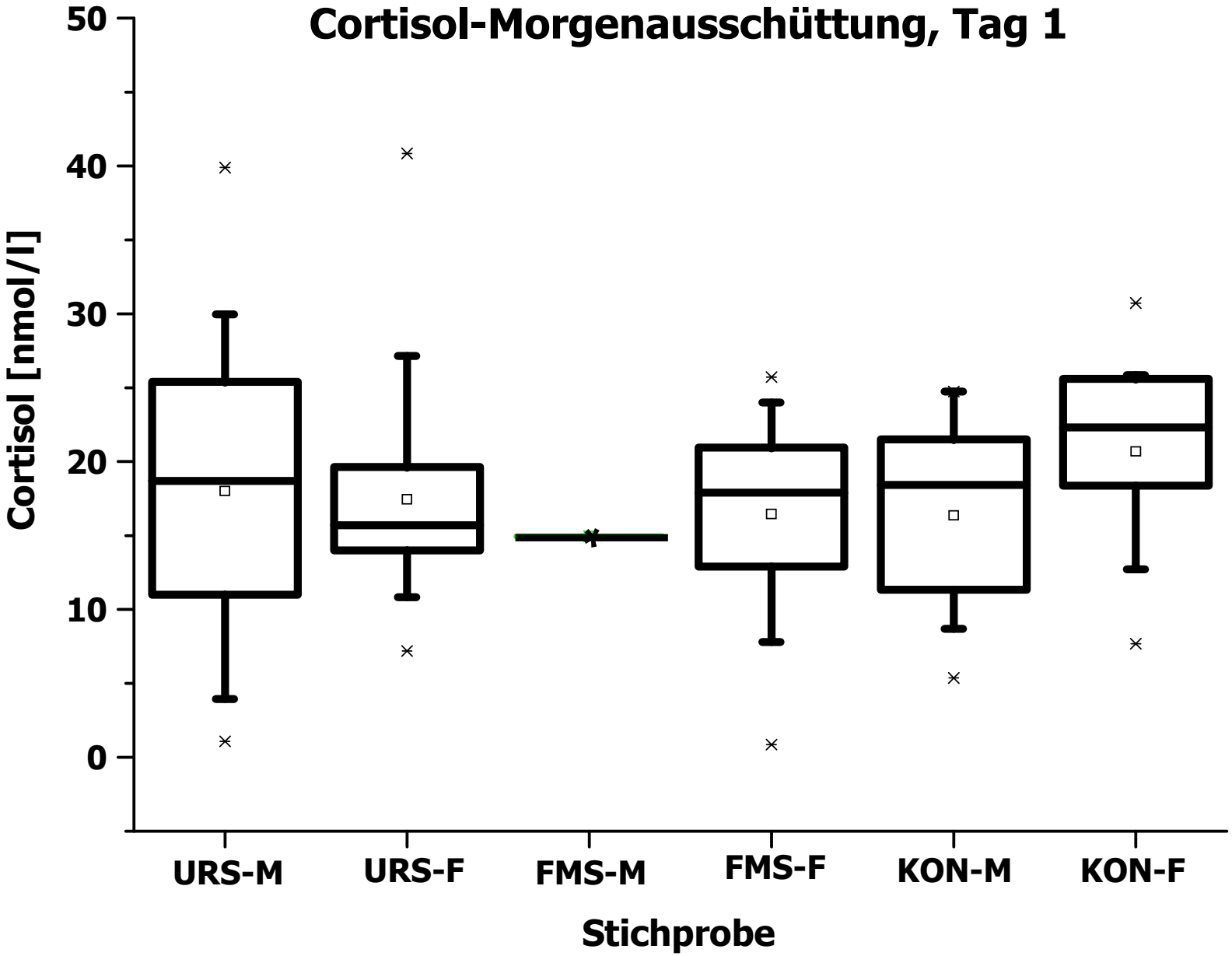

Absoluter Morgenanstieg, Tag 3
Cortisol [nmol/l]
40
30
20
10
0
-10
-20
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F

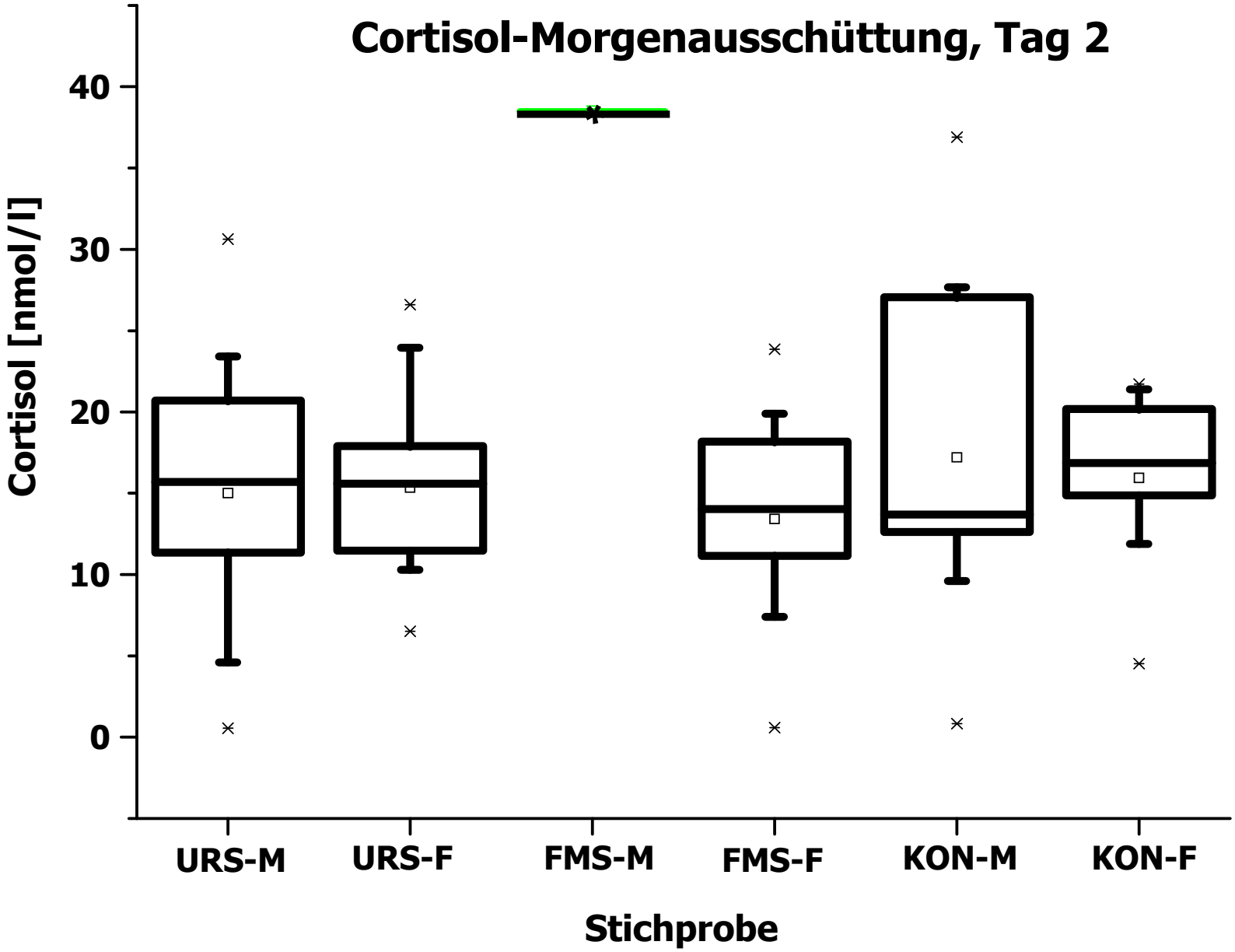

Absoluter Morgenanstieg, Tag 4
Cortisol [nmol/l]
40
30
20
10
0
-10
-20
-30
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

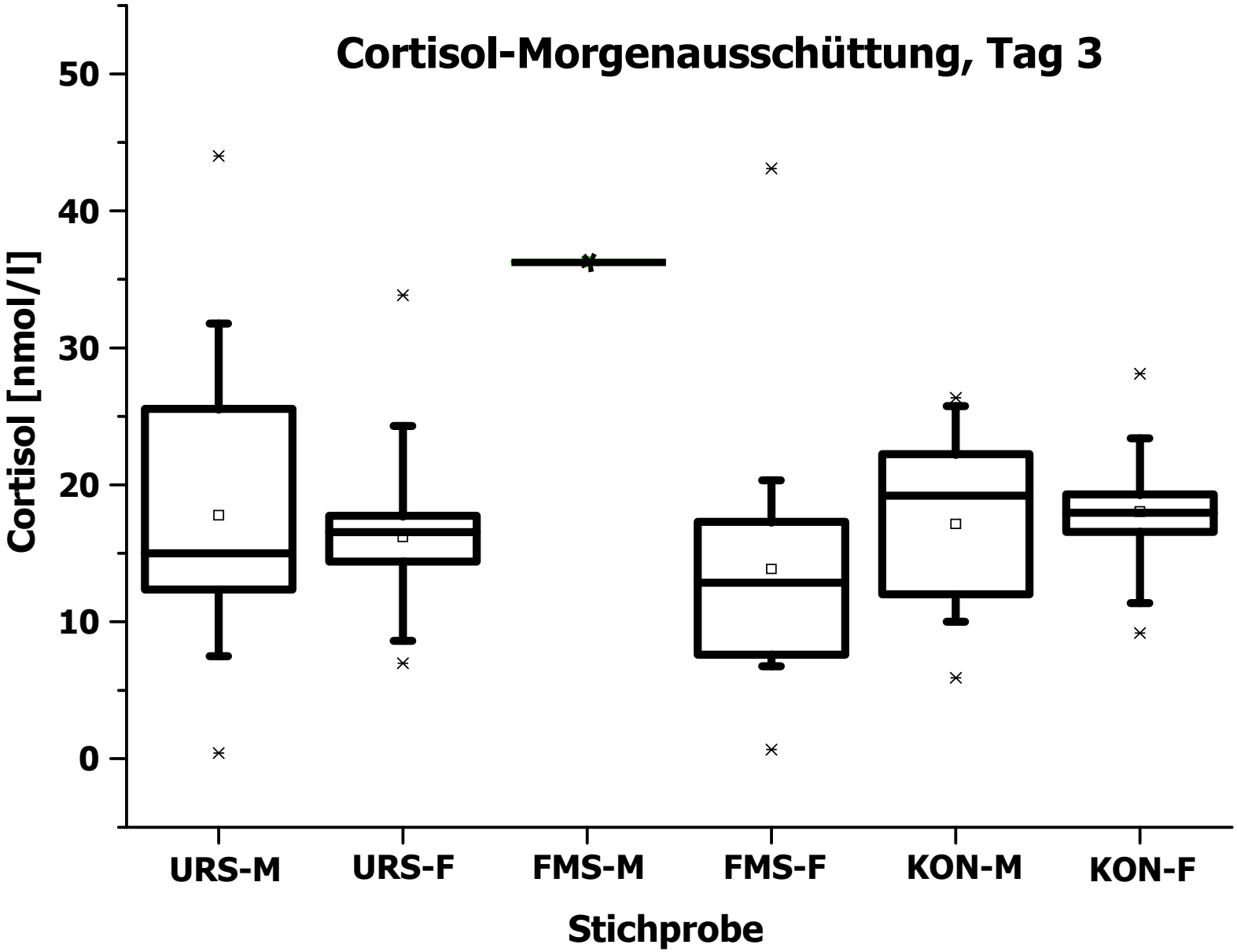

Absoluter Morgenanstieg, Tag 5
Cortisol [nmol/l]
50
40
30
20
10
0
-10
-20
-30
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F

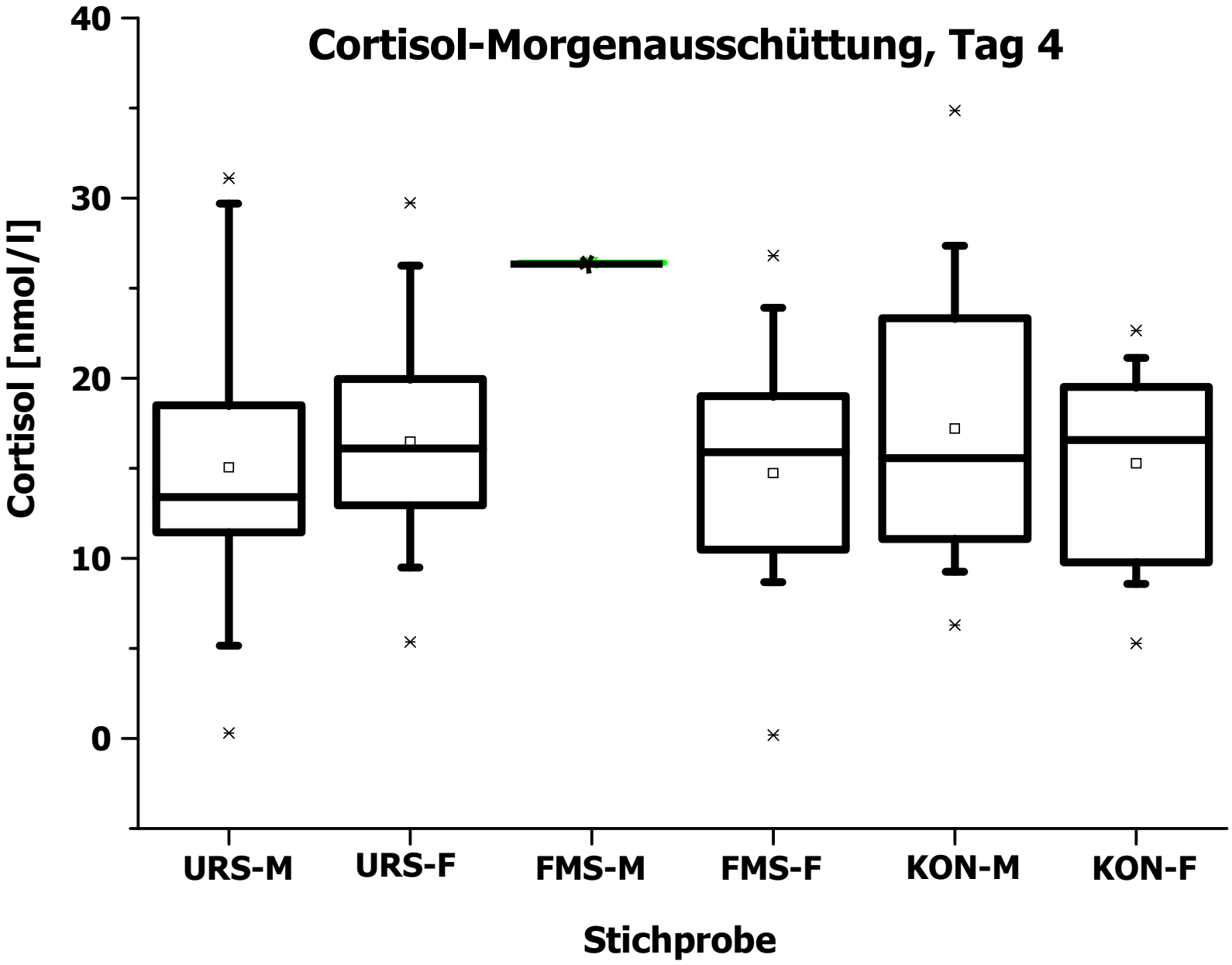

Absoluter Morgenanstieg, Tag 6
Cortisol [nmol/l]
50
40
30
20
10
0
-10
-20
-30
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F

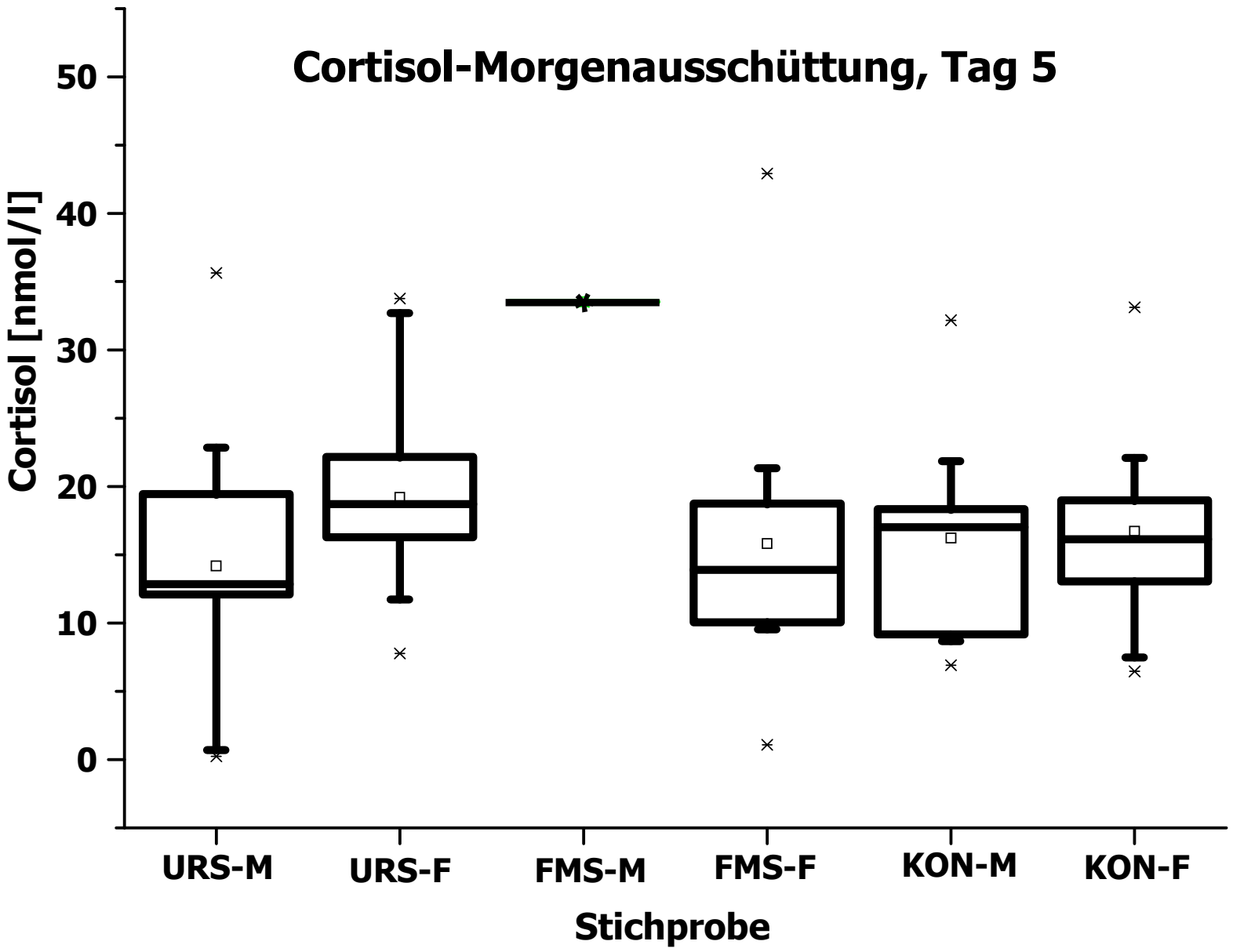

Absoluter Morgenanstieg, Tag 7
Cortisol [nmol/l]
50
40
30
20
10
0
-10
-20
-30
-40
-50
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

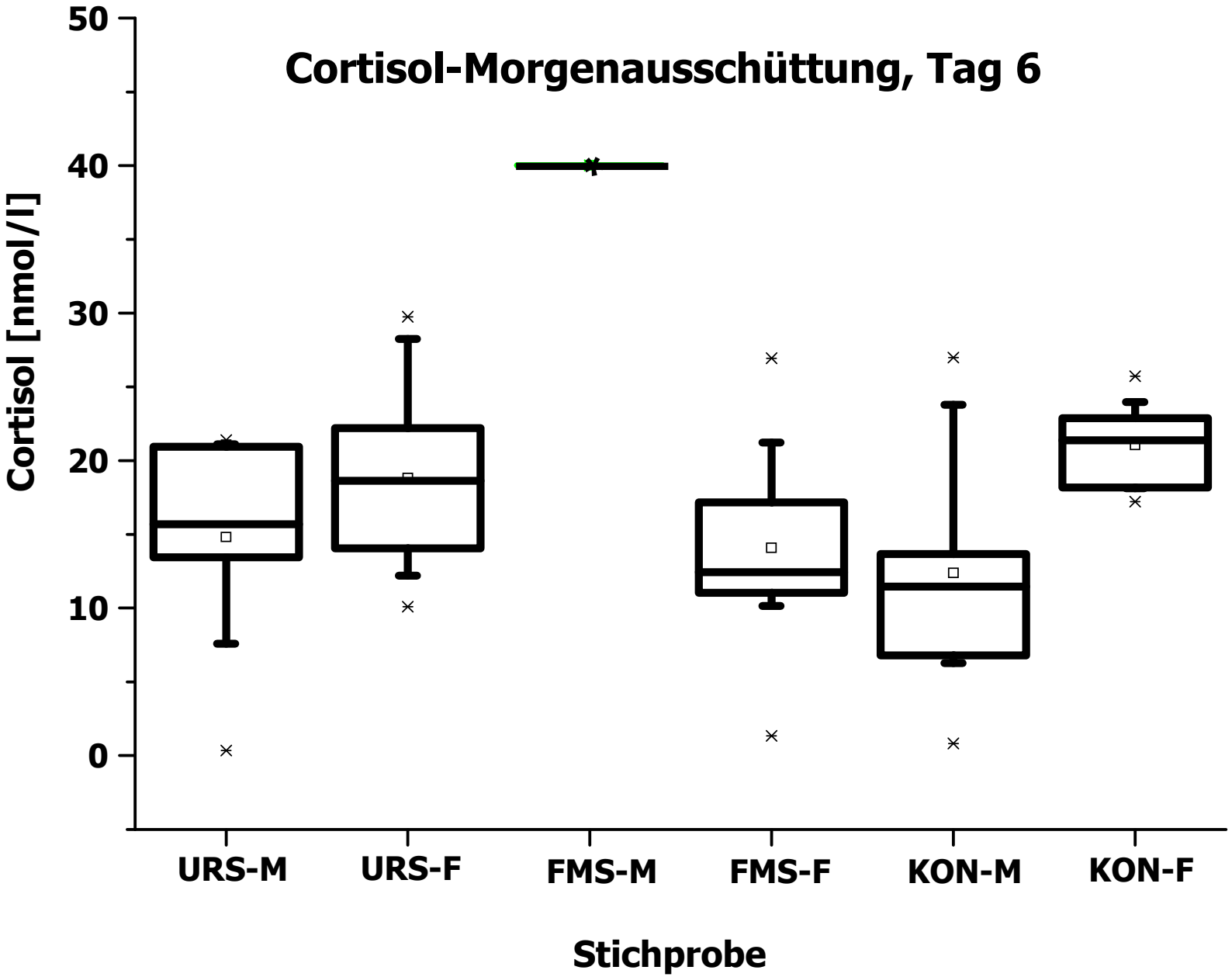

Cortisol-Morgenausschüttung, Tag 1
Cortisol [nmol/l]
50
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

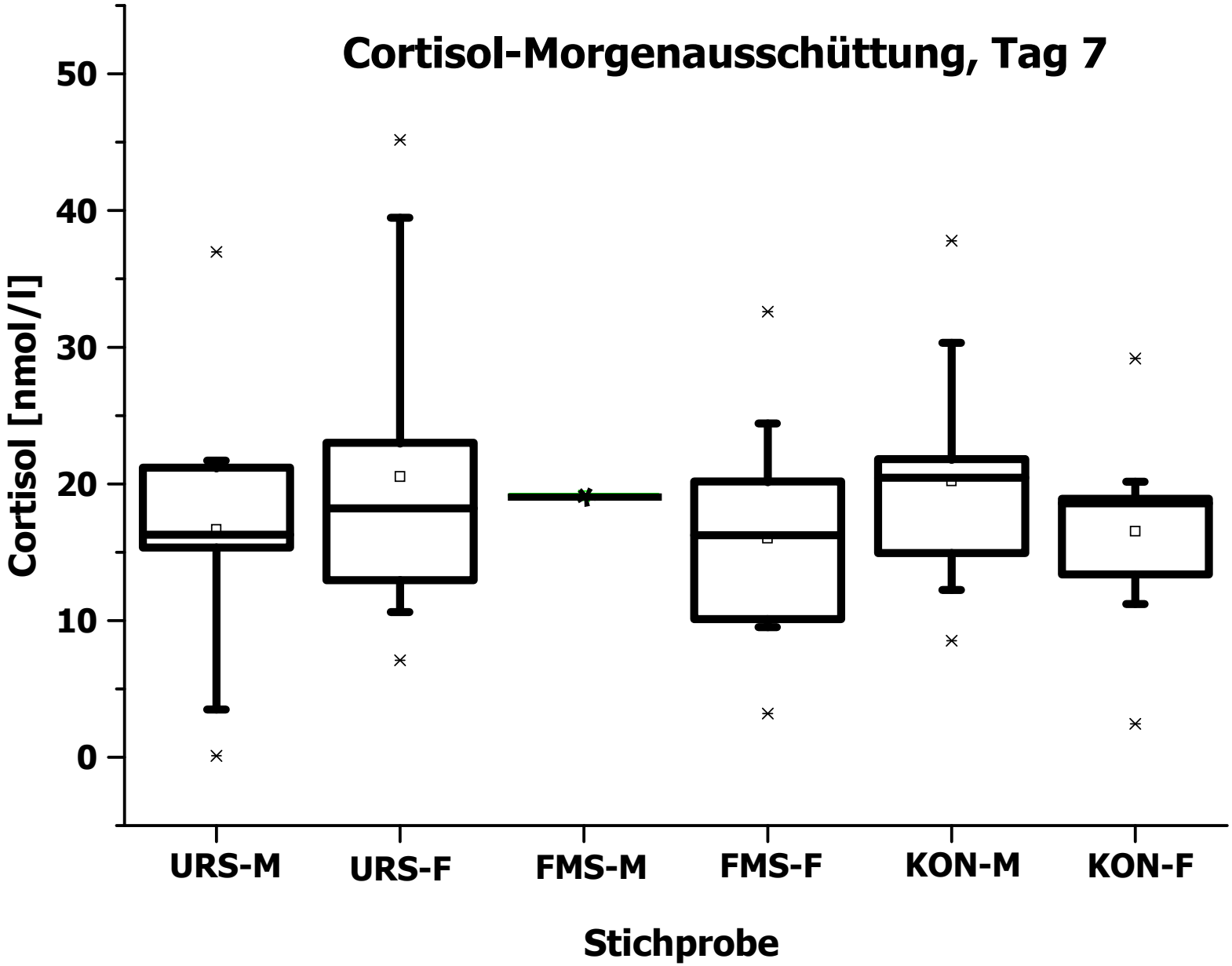

Cortisol-Morgenausschüttung, Tag 2
Cortisol [nmol/l]
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

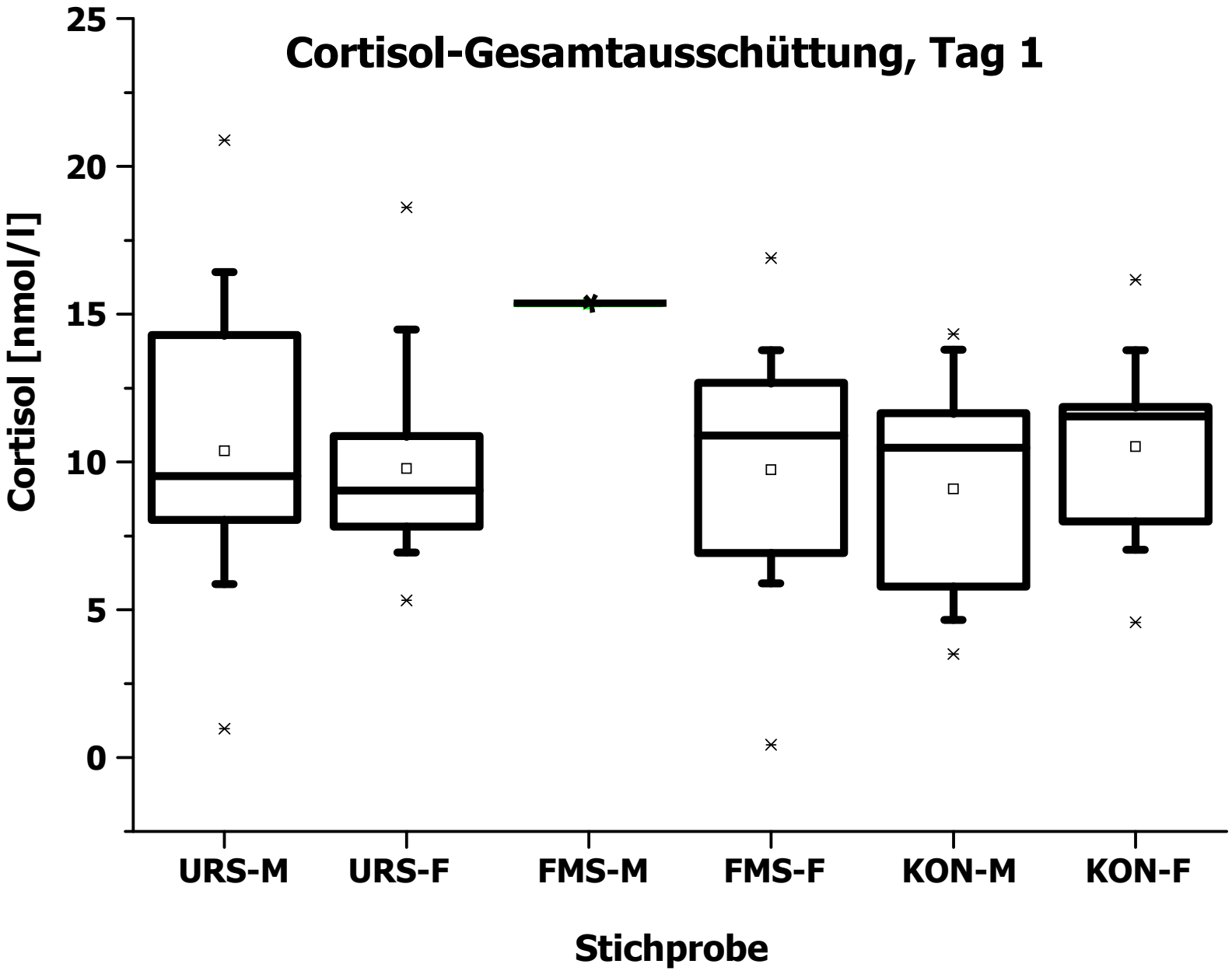

Cortisol-Morgenausschüttung, Tag 3
Cortisol [nmol/l]
50
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

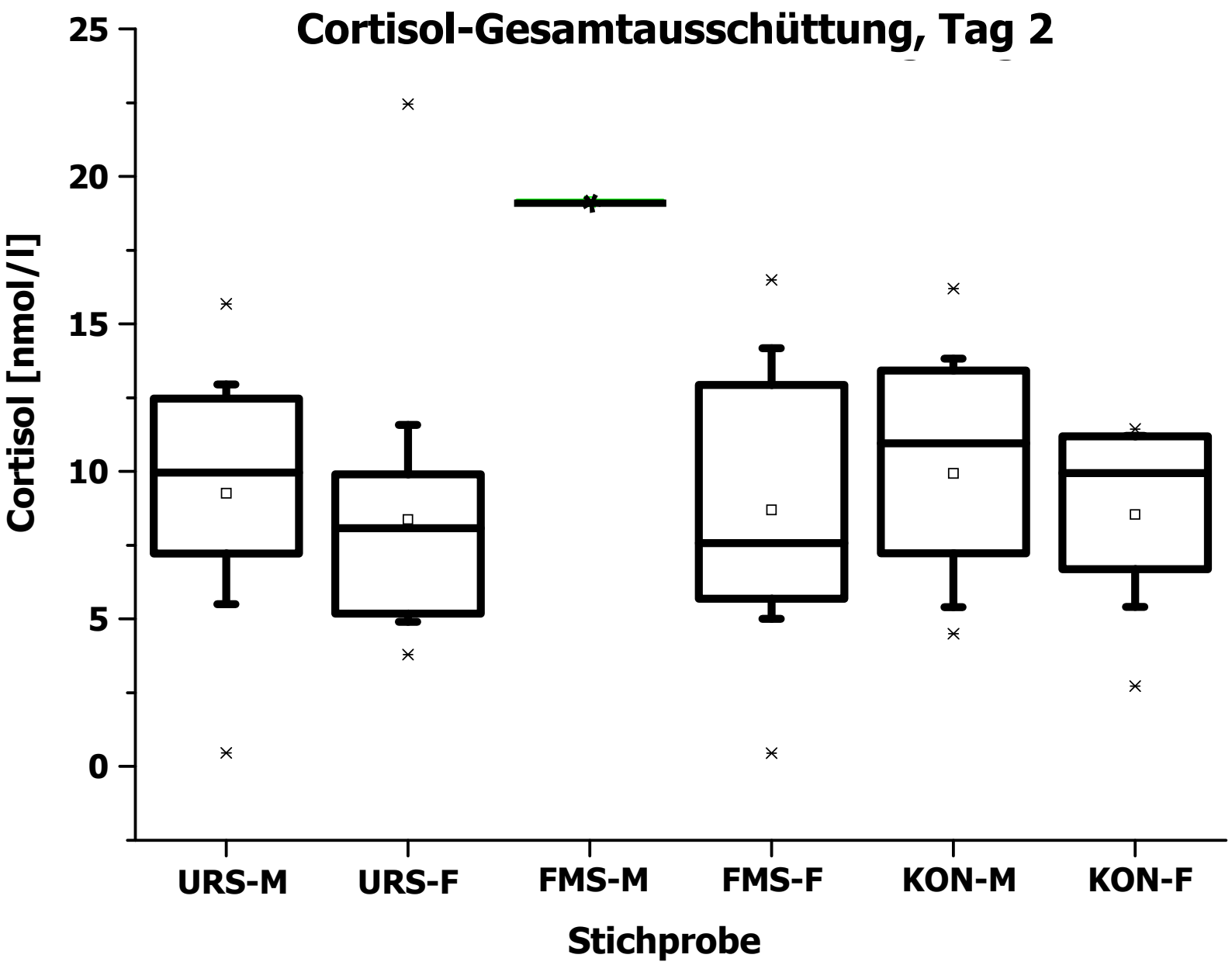

Cortisol-Morgenausschüttung, Tag 4
Cortisol [nmol/l]
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

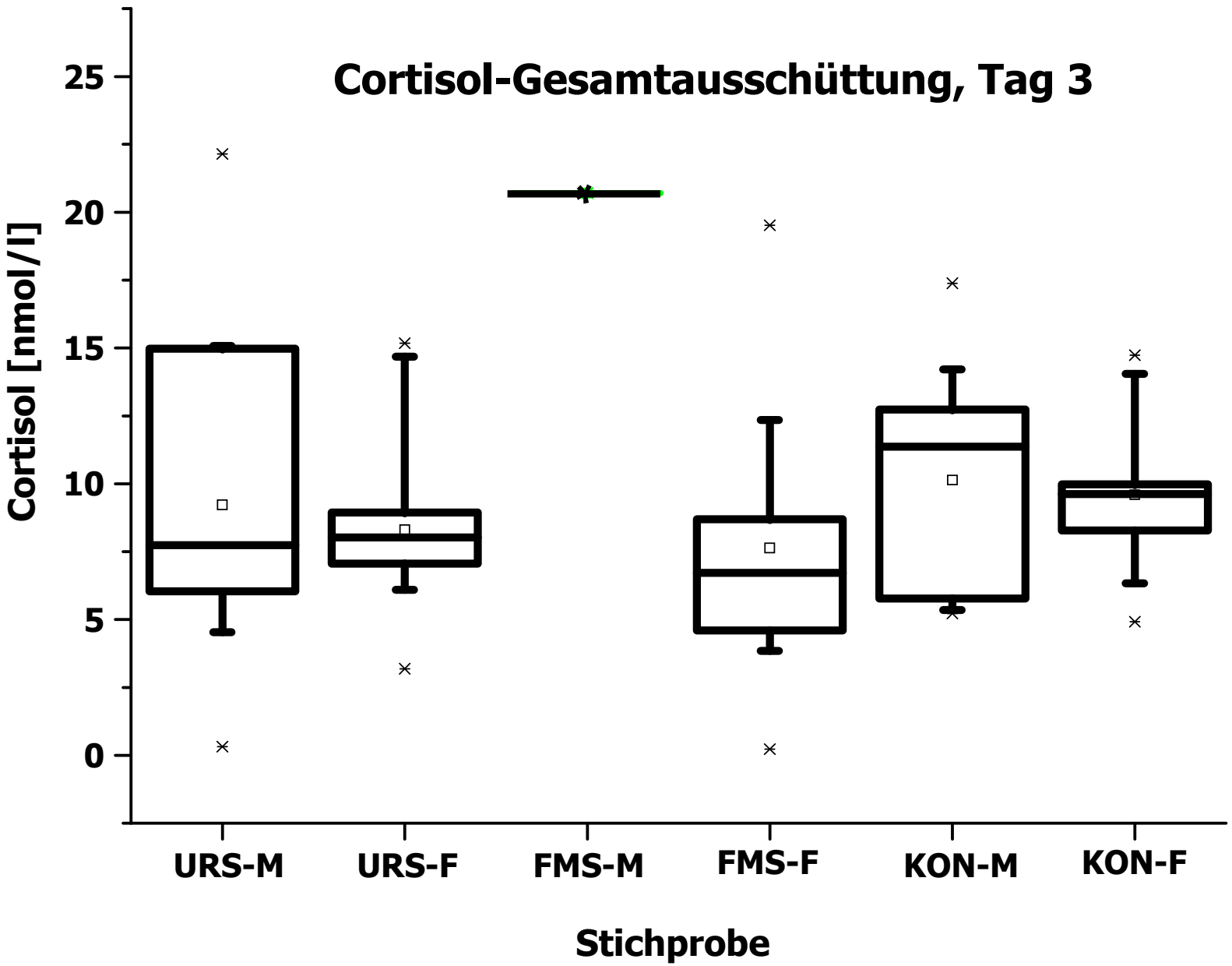

Cortisol-Morgenausschüttung, Tag 5
Cortisol [nmol/l]
50
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

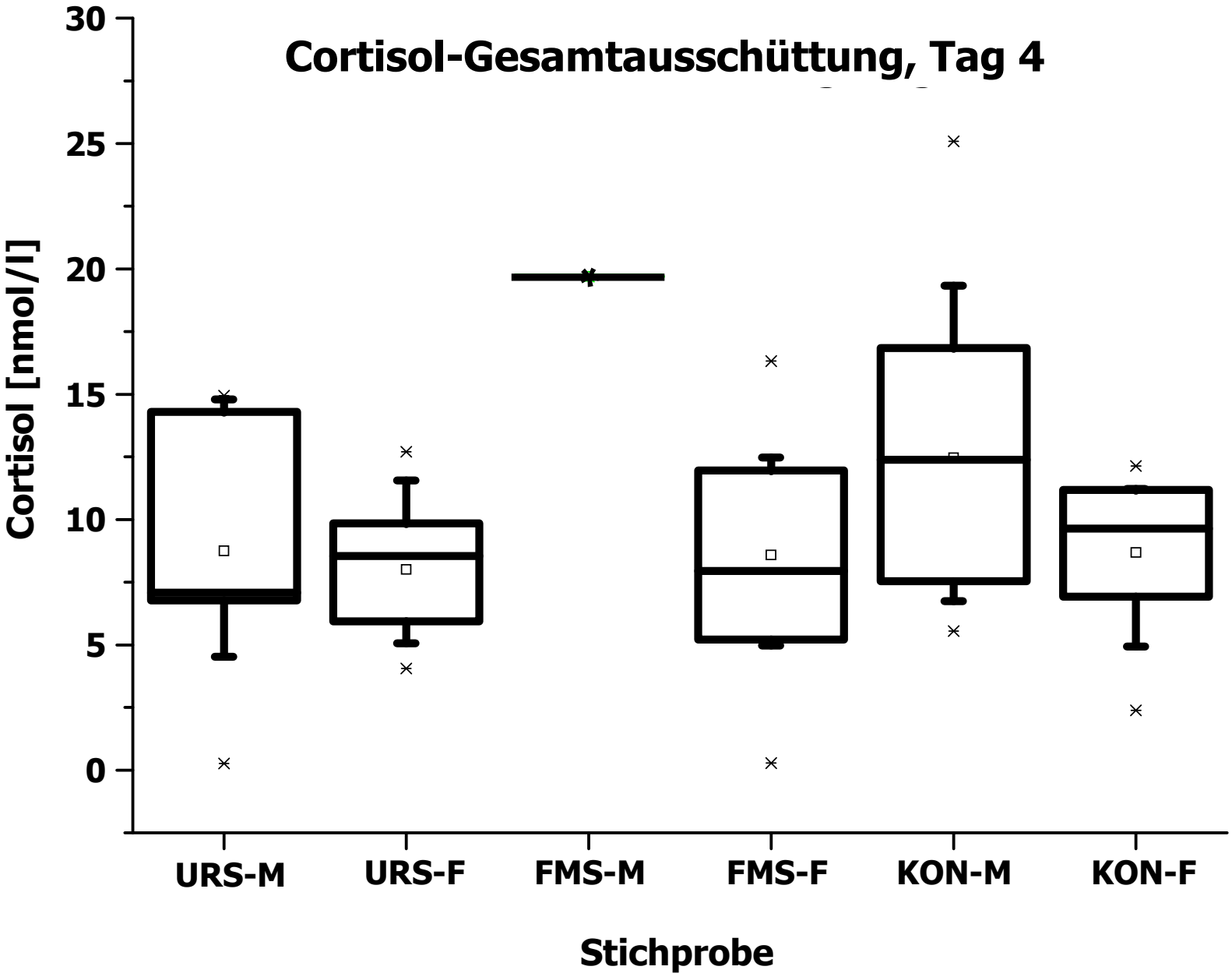

Cortisol-Morgenausschüttung, Tag 6
Cortisol [nmol/l]
50
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

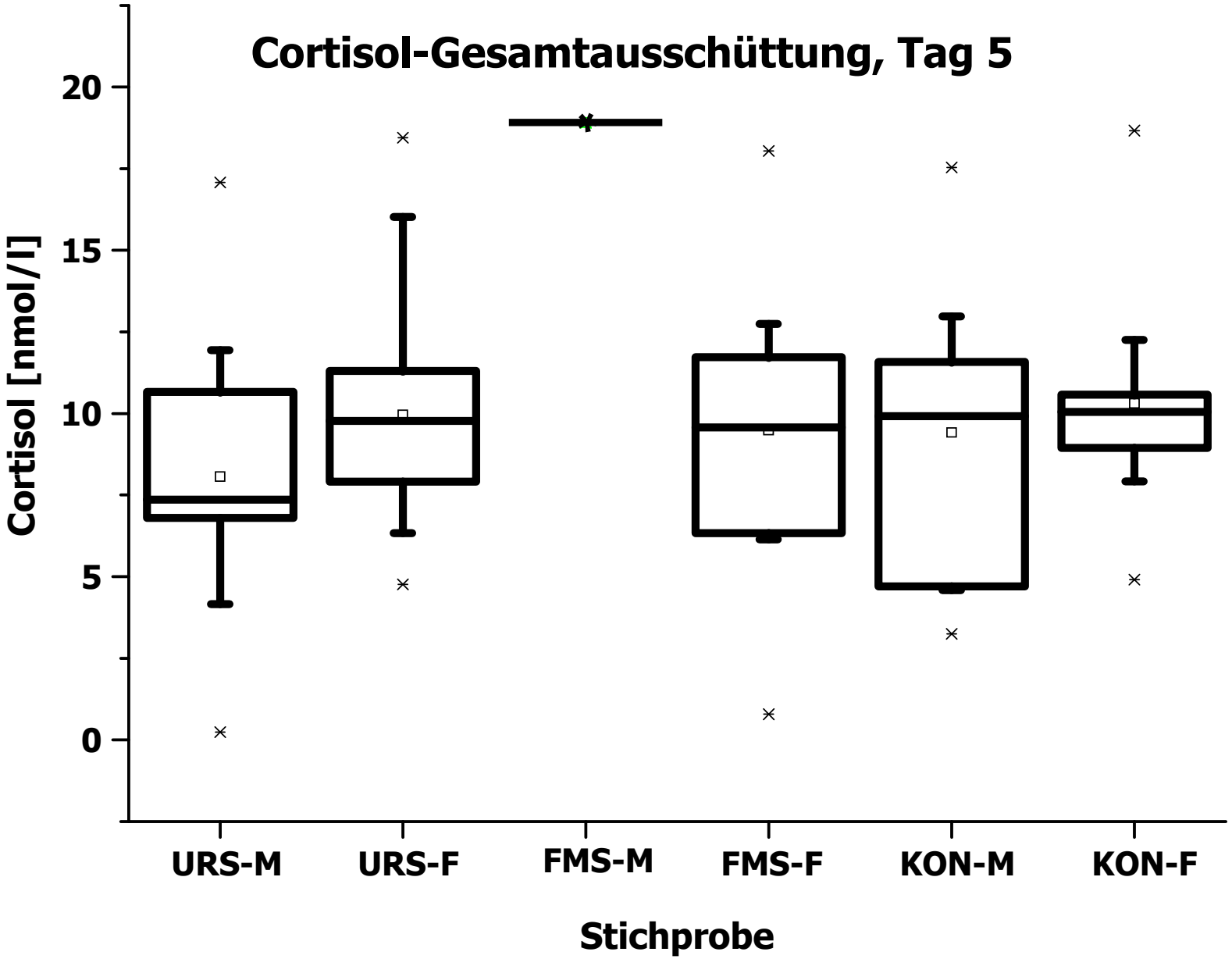

Cortisol-Morgenausschüttung, Tag 7
Cortisol [nmol/l]
50
40
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

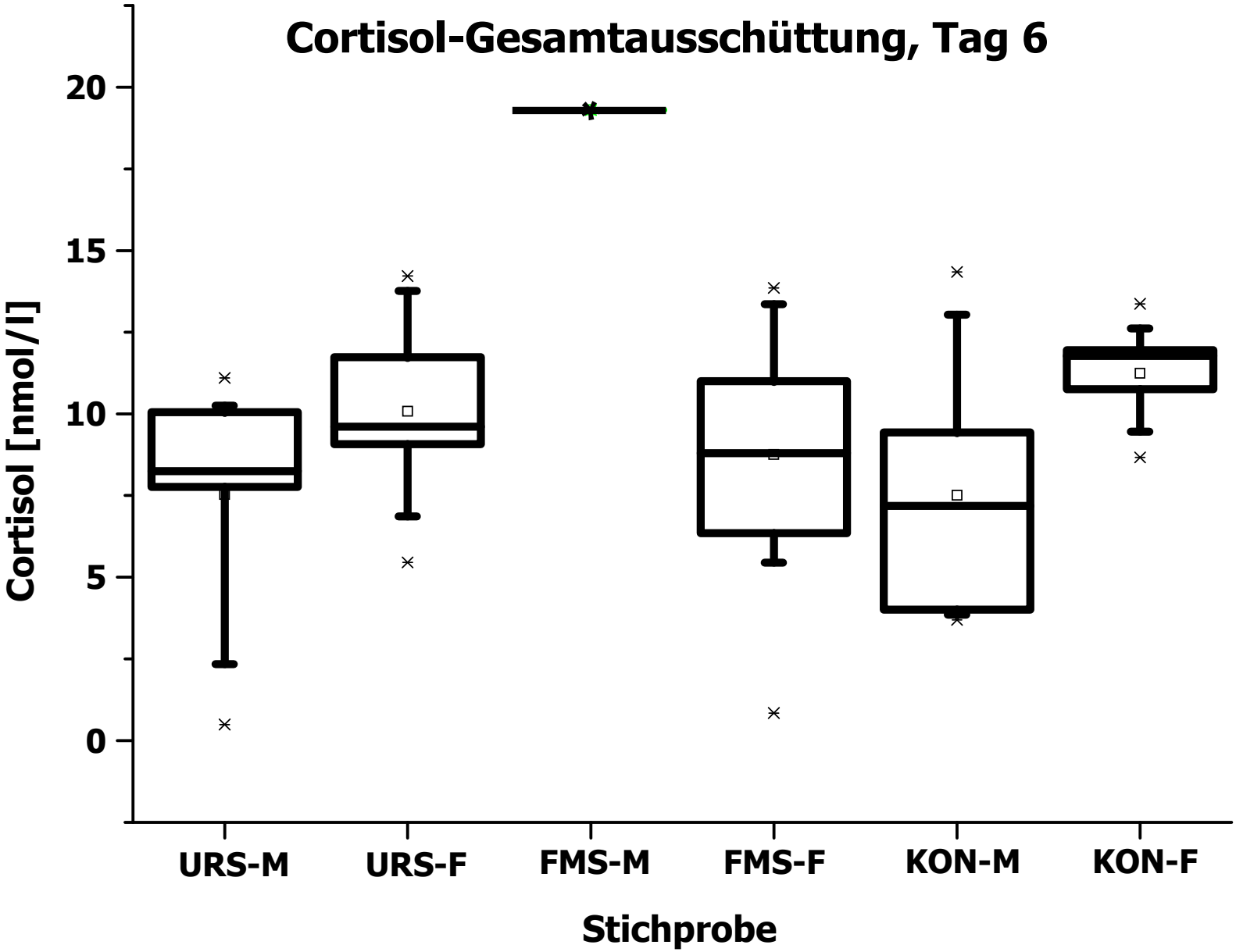

Cortisol-Gesamtausschüttung, Tag 1
Cortisol [nmol/l]
25
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

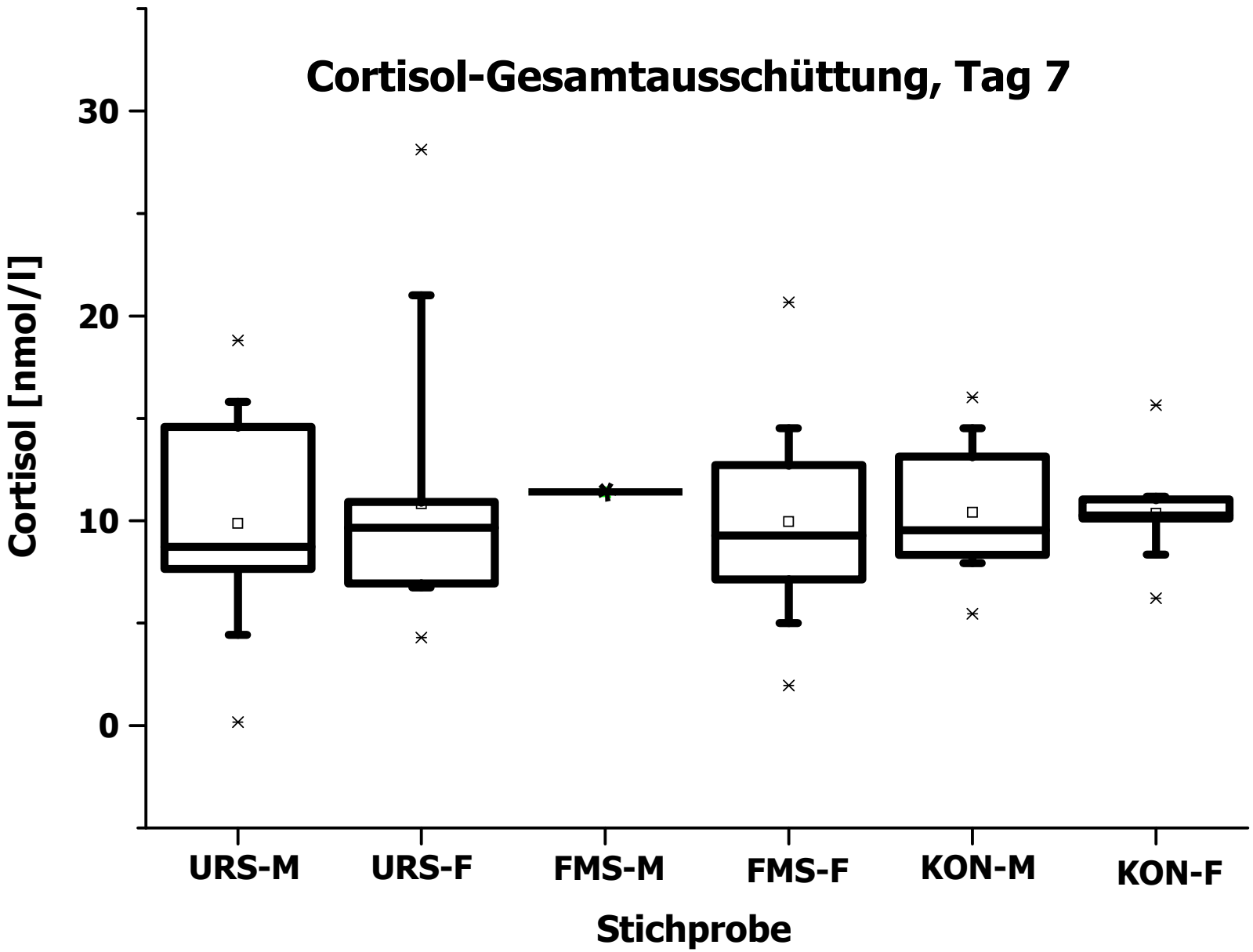

Cortisol-Gesamtausschüttung, Tag 2
Cortisol [nmol/l]
25
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

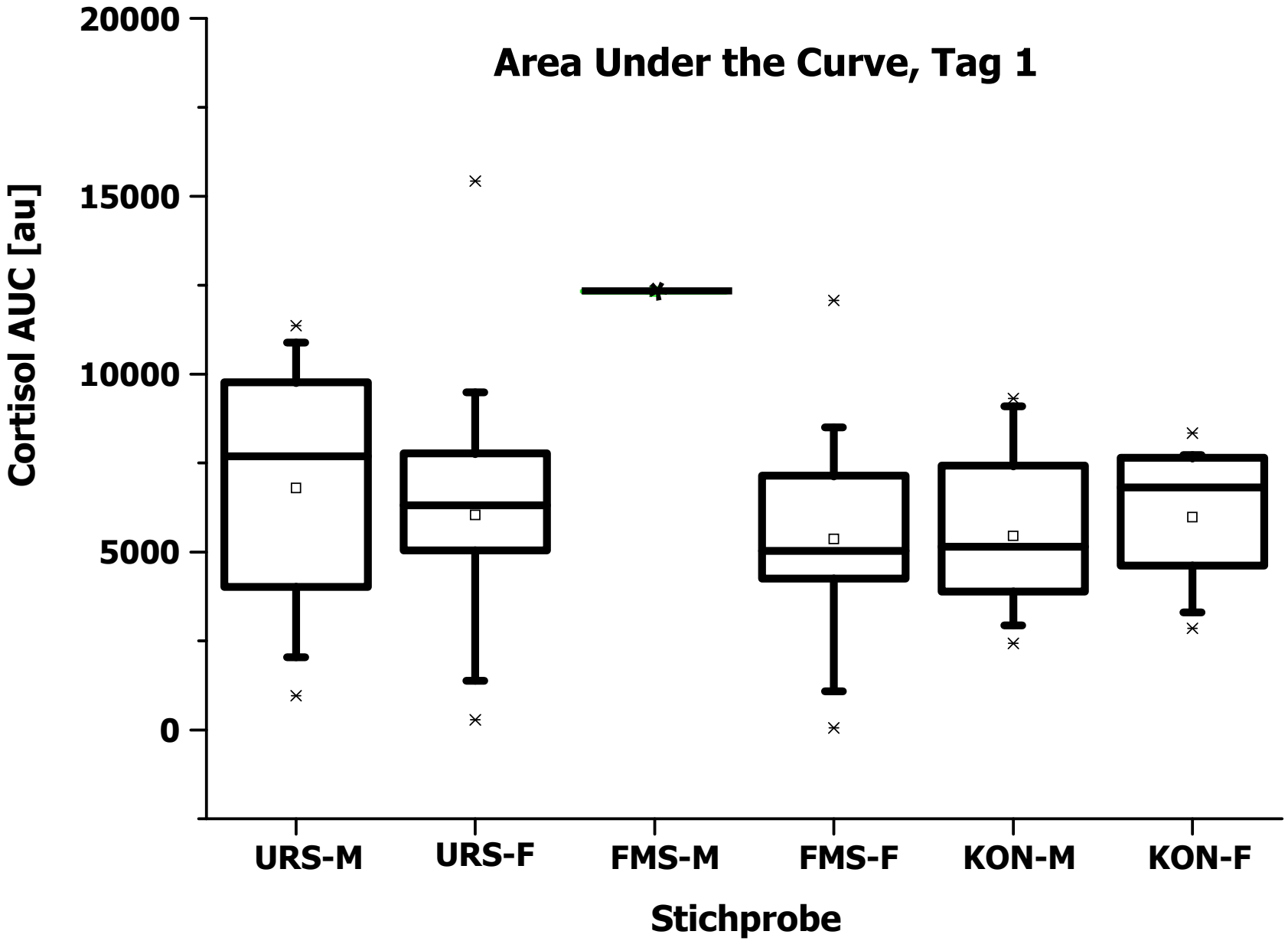

Cortisol-Gesamtausschüttung, Tag 3
Cortisol [nmol/l]
25
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

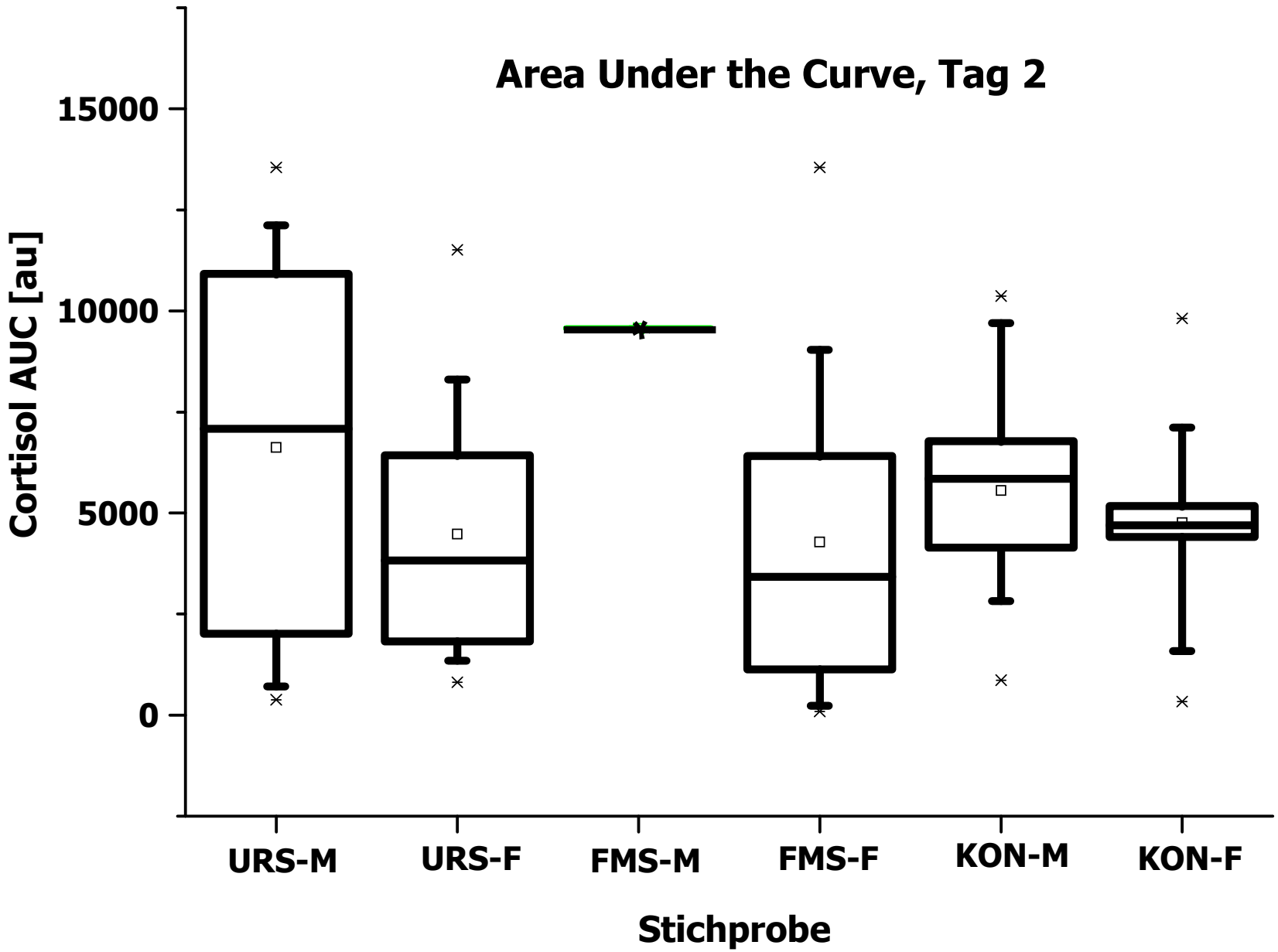

Cortisol-Gesamtausschüttung, Tag 4
Cortisol [nmol/l]
30
25
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

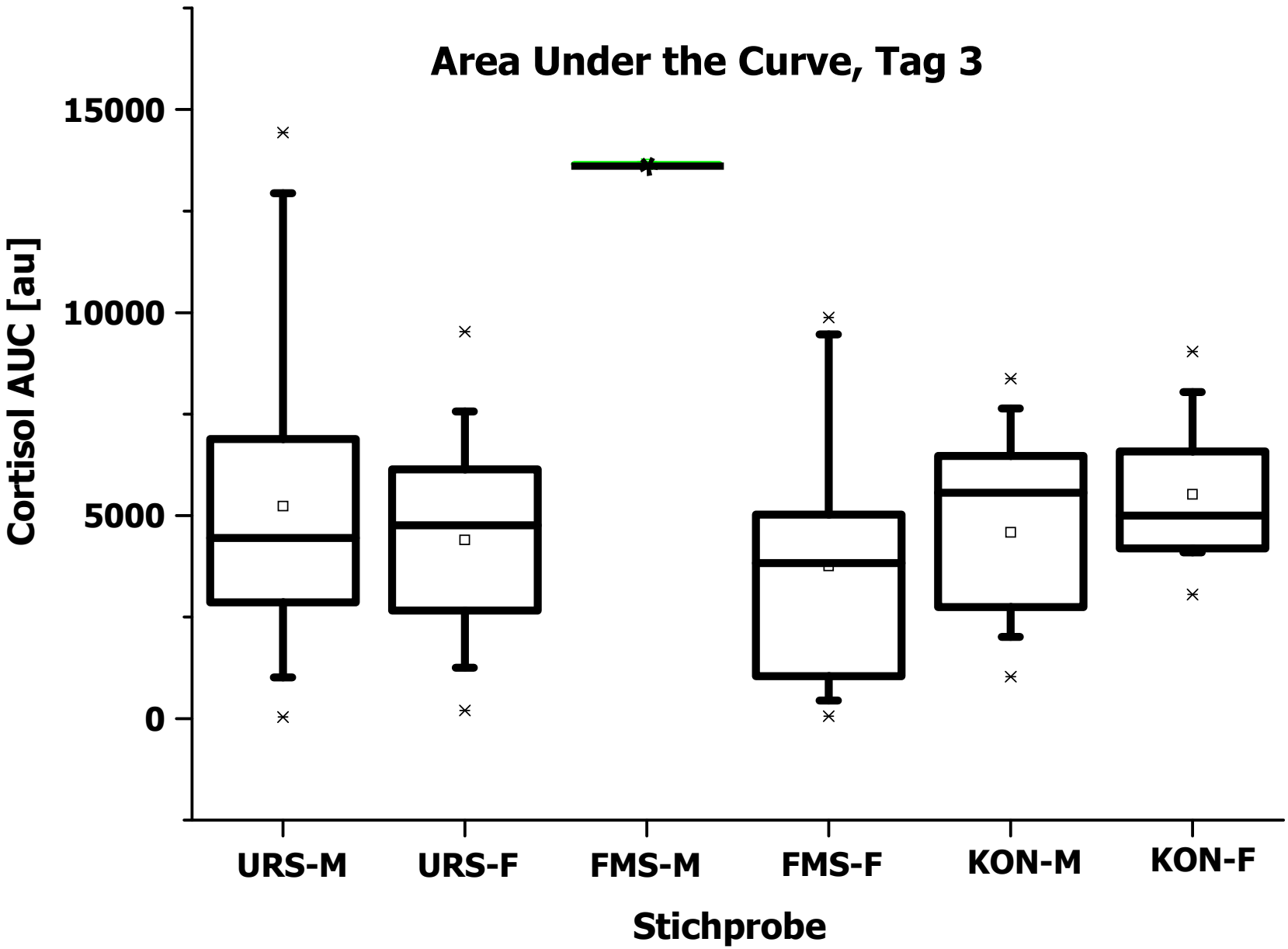

Cortisol-Gesamtausschüttung, Tag 5
Cortisol [nmol/l]
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

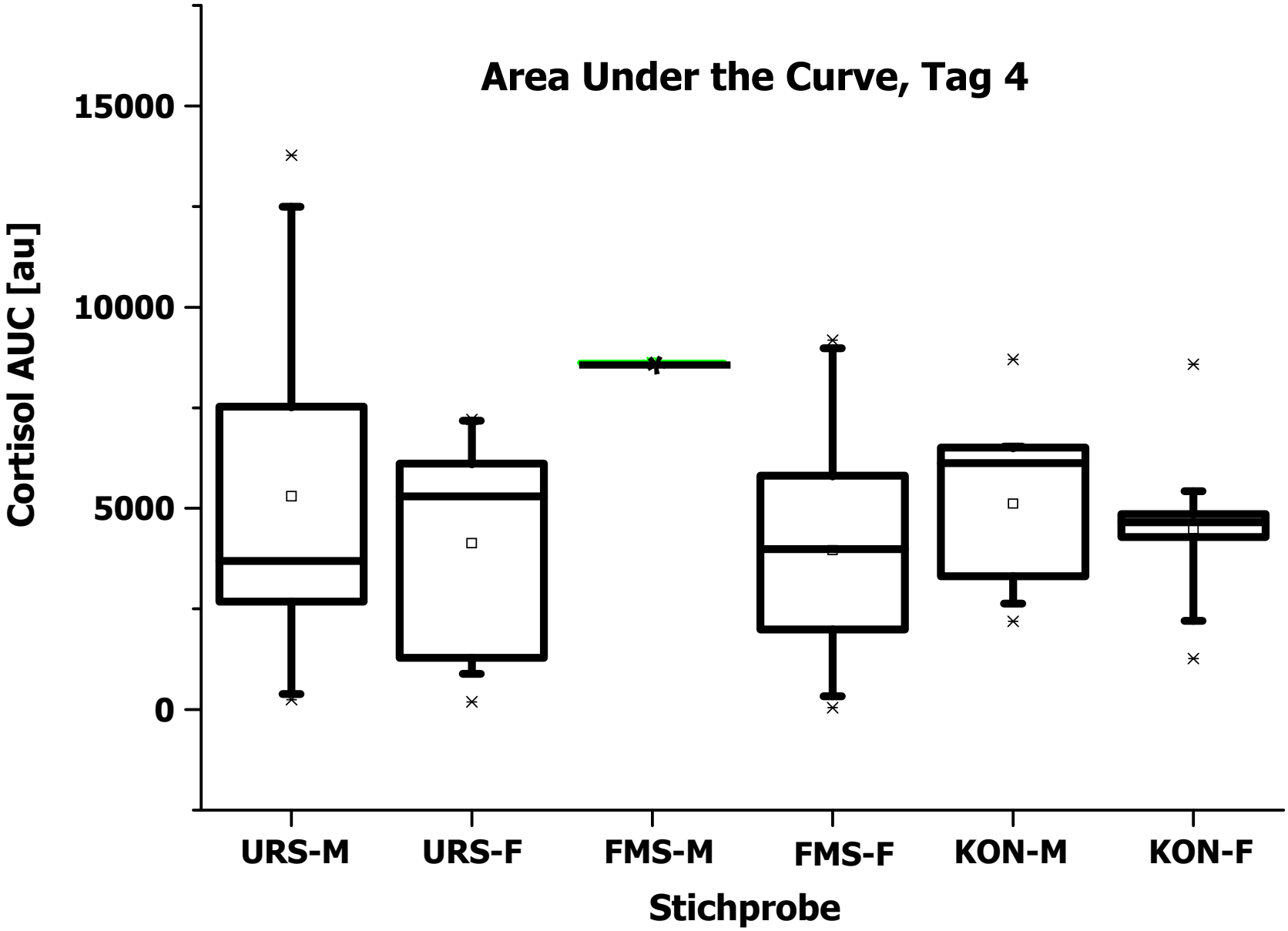

Cortisol-Gesamtausschüttung, Tag 6
Cortisol [nmol/l]
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

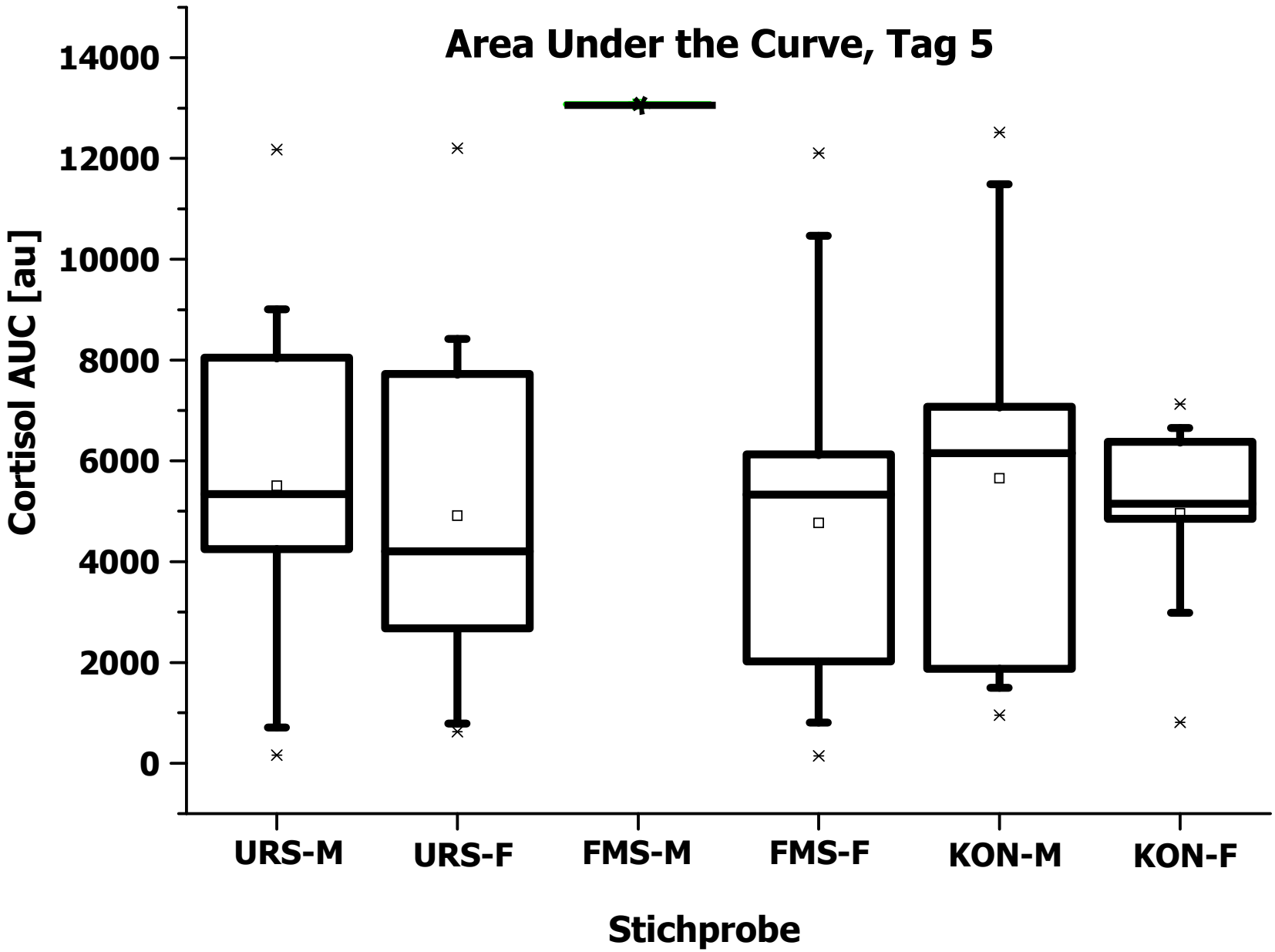

Cortisol-Gesamtausschüttung, Tag 7
Cortisol [nmol/l]
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

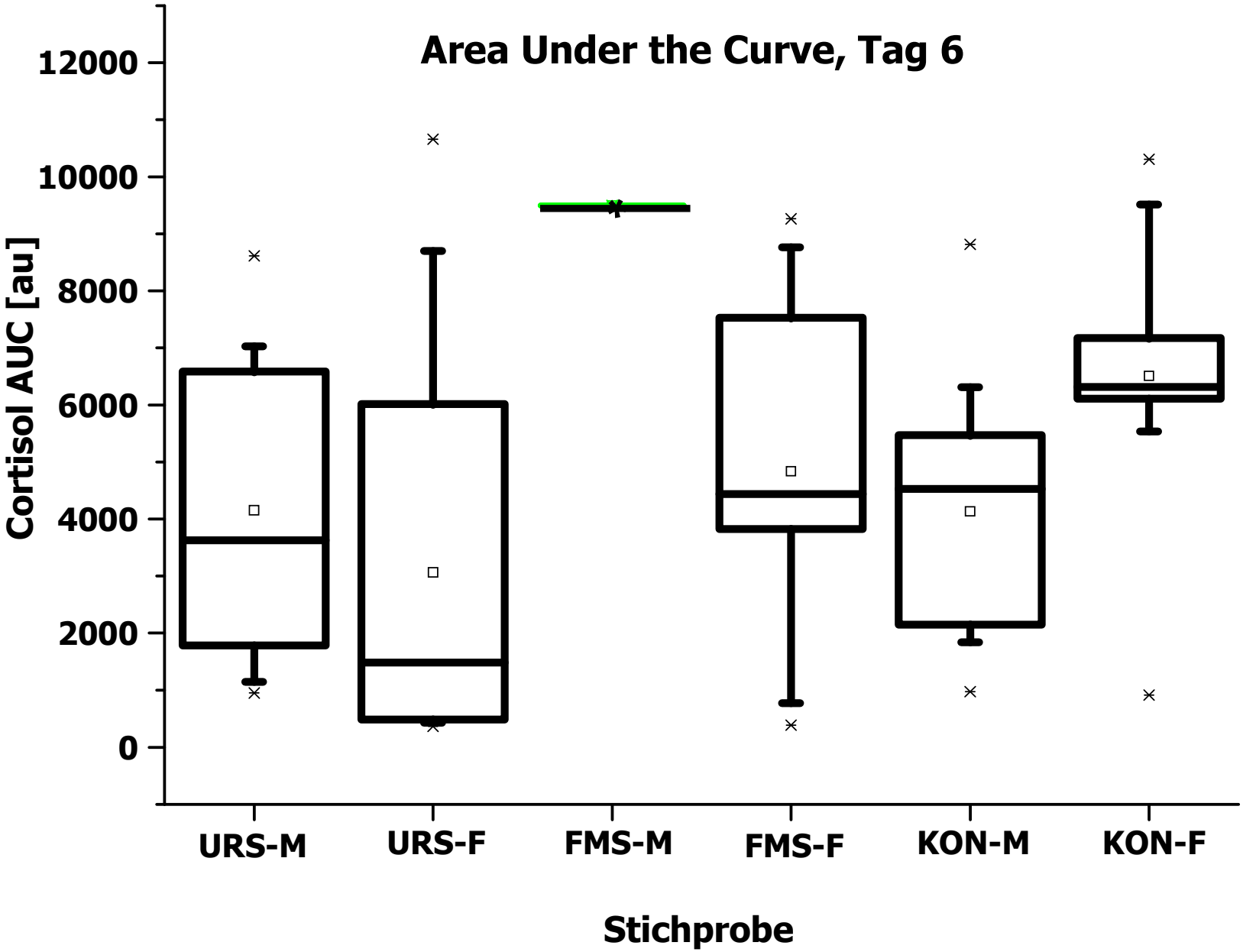

Area Under the Curve, Tag 1
Cortisol AUC [au]
20000
15000
10000
5000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

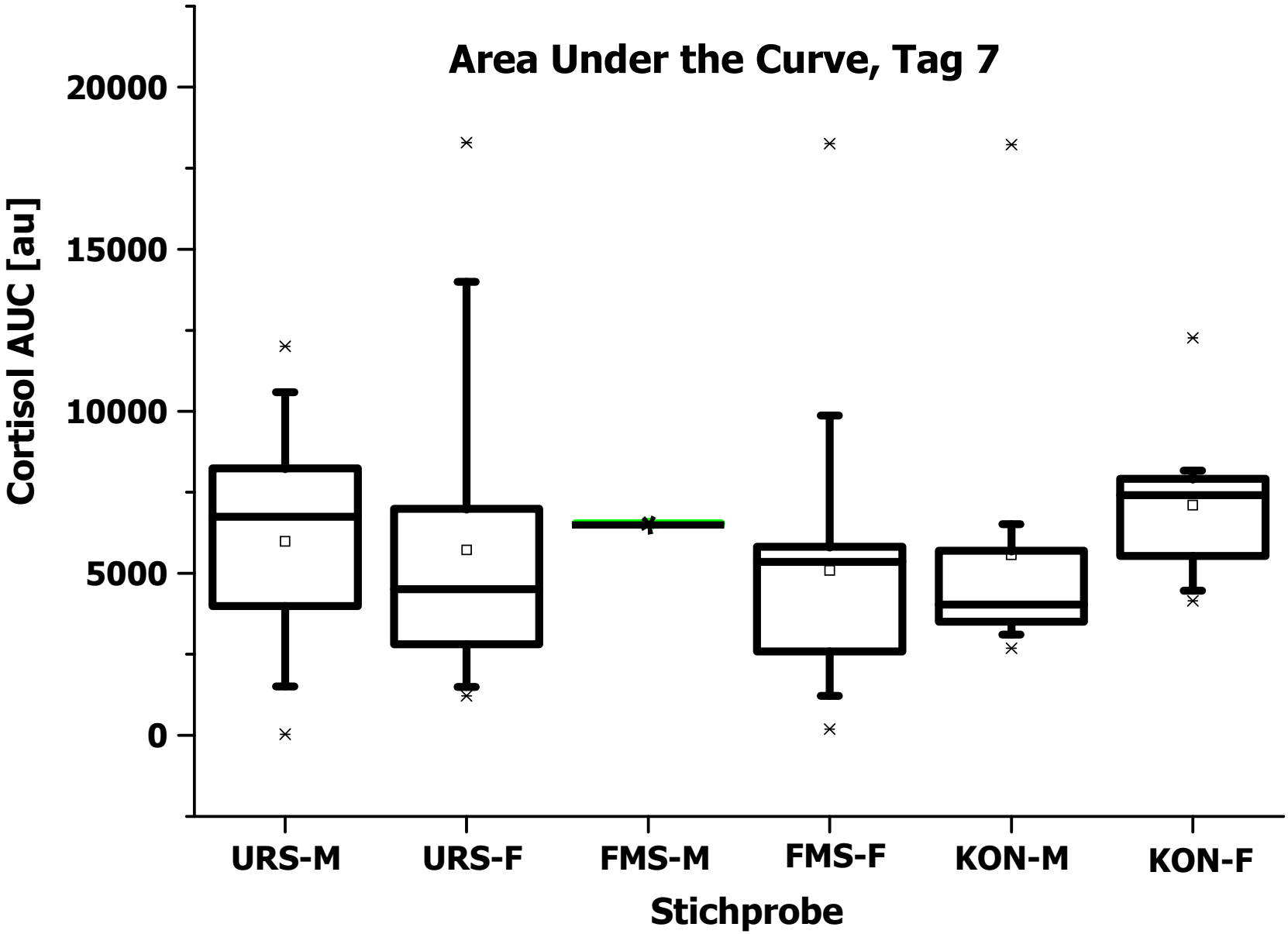

Area Under the Curve, Tag 2
Cortisol AUC [au]
15000
10000
5000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Tag 3
Cortisol AUC [au]
15000
10000
5000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Tag 4
Cortisol AUC [au]
15000
10000
5000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Tag 5
Cortisol AUC [au]
14000
12000
10000
8000
6000
4000
2000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Tag 6
Cortisol AUC [au]
12000
10000
8000
6000
4000
2000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Tag 7
Cortisol AUC [au]
20000
15000
10000
5000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

Cortisol-Trait-Parameter:
Verteilung in den drei Stichproben, getrennt nach Geschlechtsgruppen

Abkürzungen:

URS-M: Männer mit chronischen unspezifischen Rückenschmerzen

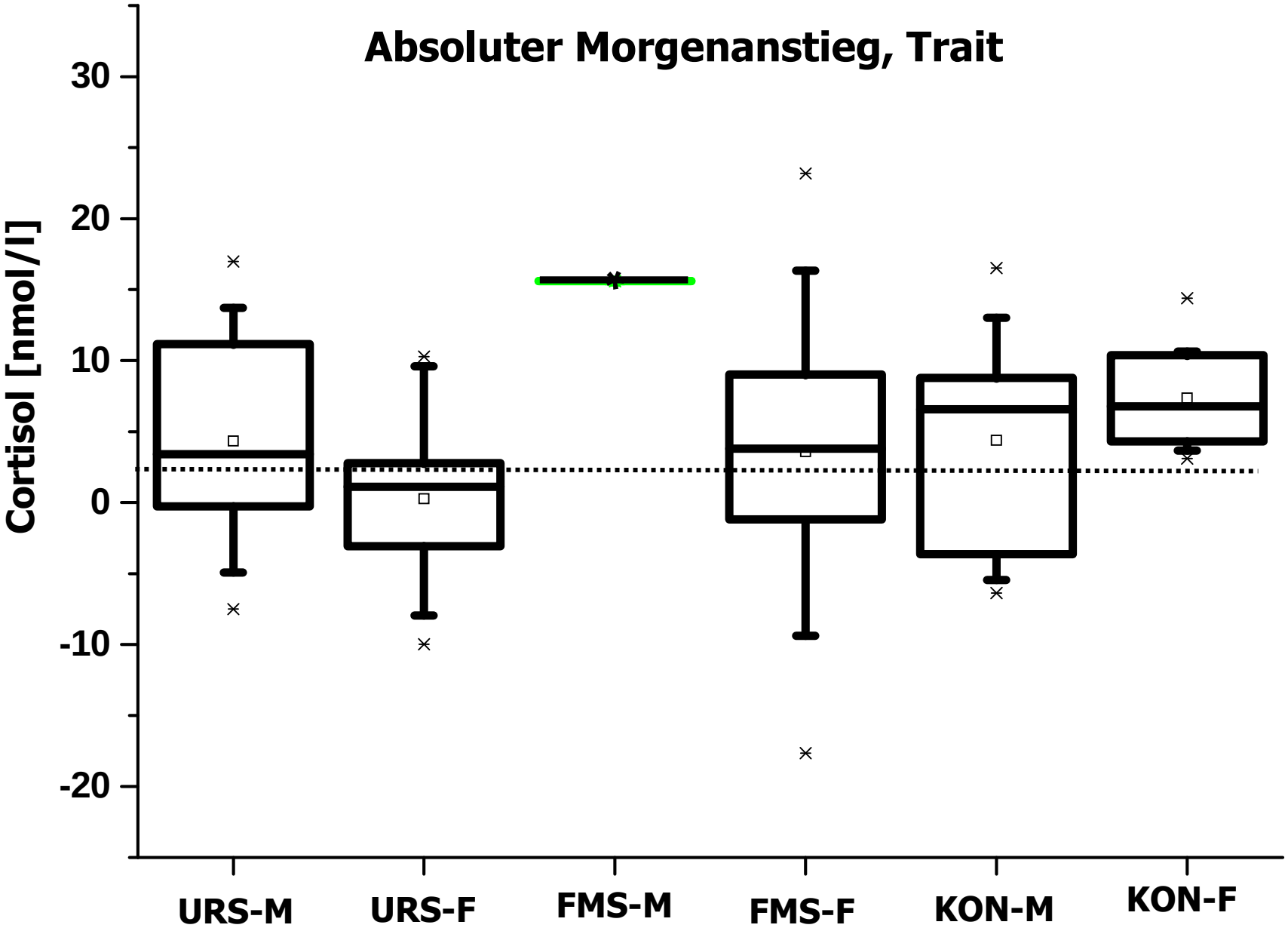
URS-F: Frauen mit chronischen unspezifischen Rückenschmerzen

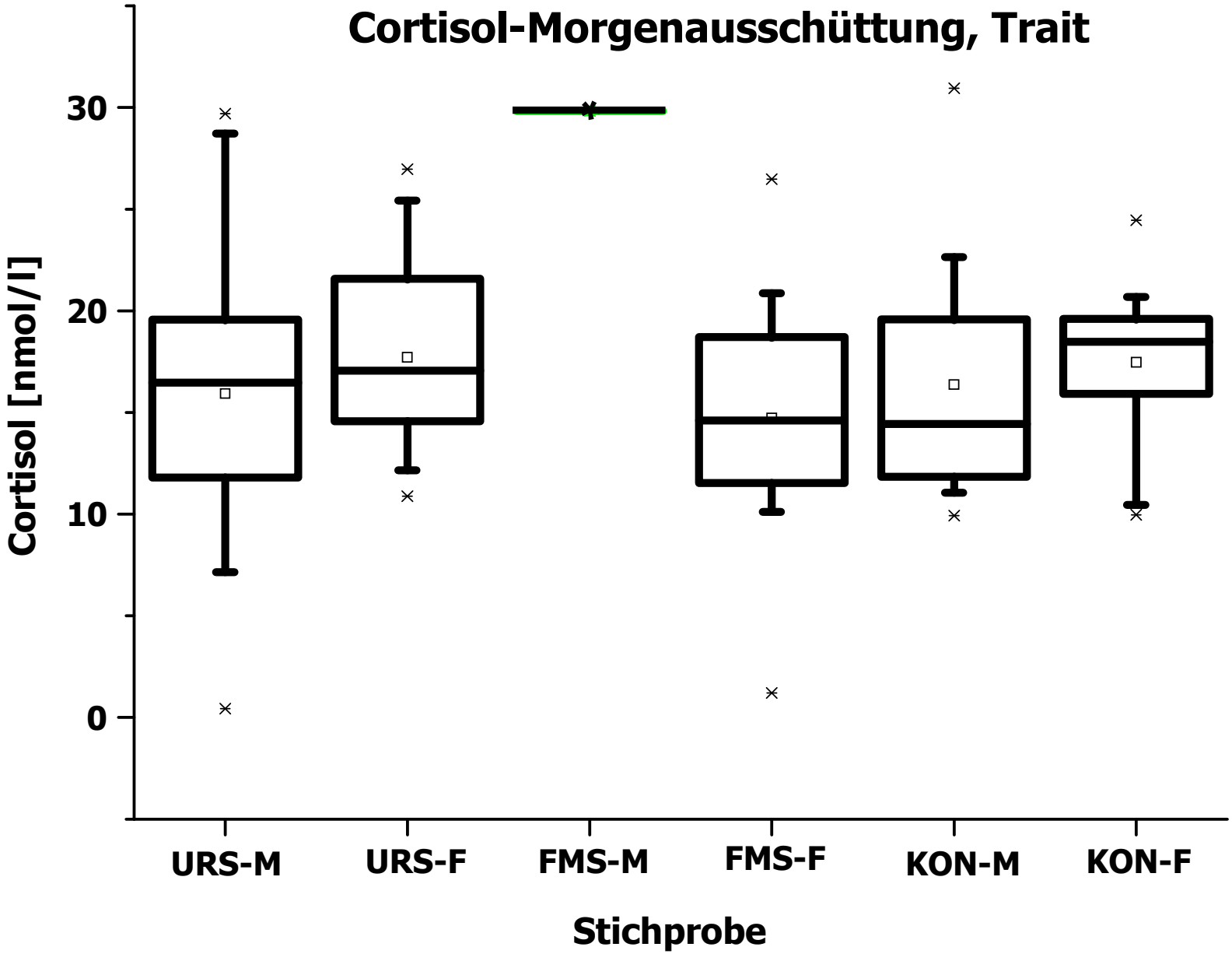
FMS-M: Mann mit Fibromyalgie

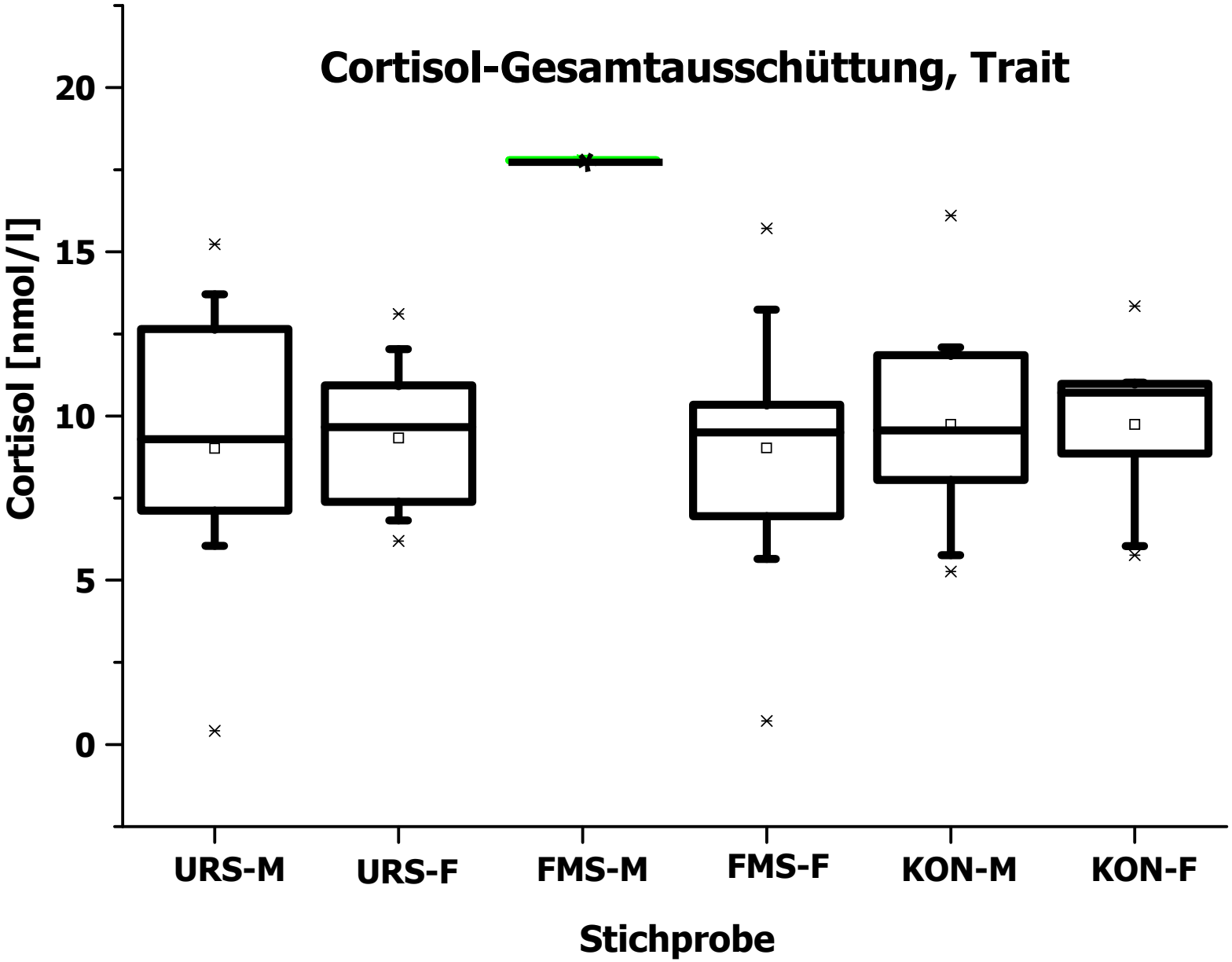
FMS-F: Frauen mit Fibromyalgie

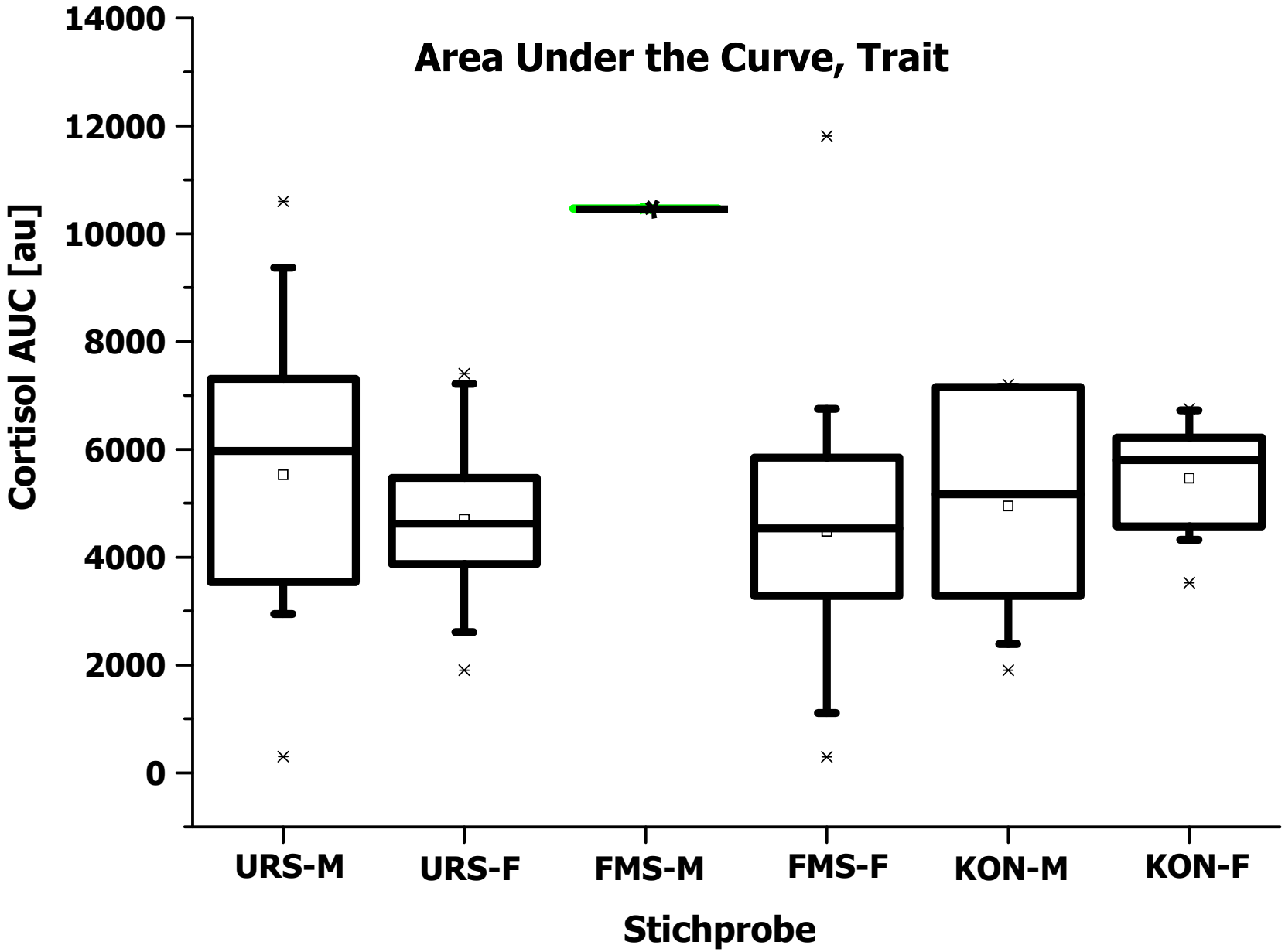
KON-M: Männer der gesunden Kontrollstichprobe

KON-F: Frauen der gesunden Kontrollstichprobe


Absoluter Morgenanstieg, Trait
Cortisol [nmol/l]
30
20
10
0
-10
-20
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F


Cortisol-Morgenausschüttung, Trait
Cortisol [nmol/l]
30
20
10
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Cortisol-Gesamtausschüttung, Trait
Cortisol [nmol/l]
20
15
10
5
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe


Area Under the Curve, Trait
Cortisol AUC [au]
14000
12000
10000
8000
6000
4000
2000
0
URS-M
URS-F
FMS-M
FMS-F
KON-M
KON-F
Stichprobe

Anhang 13

Deskriptive Statistik der klinischen Schmerzmaße

Inhalt Anhang 13

Deskriptive Statistik der klinischen Schmerzmaße

FMS_M= Mann mit FMS
FMS_F= Frauen mit FMS
URS_M= Männer mit URS
URS_F= Frauen mit URS

Schmerzintensität= SI
Arbeitsunfähigkeitstage letzten 6 Monate= AU-Tage

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
momentane SI	1	3.0000000	3.0000000	.	.	3.0000000	3.0000000	3.0000000	3.0000000
größte SI	1	8.0000000	8.0000000	.	.	8.0000000	8.0000000	8.0000000	8.0000000
durchschnittliche SI	1	3.0000000	3.0000000	.	.	3.0000000	3.0000000	3.0000000	3.0000000
AU-Tage	1	30.0000000	30.0000000	.	.	30.0000000	30.0000000	30.0000000	30.0000000
Chronifizierung	1	127.0000000	127.0000000	.	.	127.0000000	127.0000000	127.0000000	127.0000000

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
momentane SI	18	5.2777778	5.5000000	2.3213980	0.5471588	1.0000000	9.0000000	4.0000000	7.00000
größte SI	18	7.8055556	8.0000000	1.4464855	0.3409399	4.5000000	10.0000000	8.0000000	8.00000
durchschnittliche SI	18	5.1944444	5.0000000	1.6902740	0.3984014	2.0000000	8.0000000	4.0000000	6.00000
AU-Tage	18	40.0000000	14.5000000	58.7797484	13.8545196	0	183.0000000	5.0000000	36.00000
Chronifizierung	13	124.1538462	95.0000000	113.1244493	31.3750771	12.0000000	393.0000000	34.0000000	182.00000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
momentane SI	11	4.1818182	3.0000000	1.9400094	0.5849348	2.0000000	8.0000000	3.0000000	6.00000
größte SI	11	7.9090909	8.0000000	1.7002674	0.5126499	5.0000000	10.0000000	7.0000000	9.00000
durchschnittliche SI	11	5.2727273	5.0000000	1.7372915	0.5238131	3.0000000	8.0000000	4.0000000	7.00000
AU-Tage	11	33.9090909	20.0000000	39.7981270	11.9995868	0	120.0000000	5.0000000	35.00000
Chronifizierung	11	229.0000000	164.0000000	205.6949197	62.0193518	13.0000000	632.0000000	34.0000000	406.00000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
momentane SI	16	3.6875000	3.0000000	2.2721136	0.5680284	0	9.0000000	3.0000000	4.50000
größte SI	16	8.3750000	8.0000000	0.9574271	0.2393568	7.0000000	10.0000000	8.0000000	9.00000
durchschnittliche SI	16	5.1875000	5.0000000	1.5585784	0.3896446	2.0000000	8.0000000	4.0000000	6.00000
AU-Tage	16	32.4375000	5.5000000	42.8018204	10.7004551	0	120.0000000	0	69.00000
Chronifizierung	15	149.2000000	71.0000000	132.7399176	34.2732993	9.0000000	399.0000000	56.0000000	272.00000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.05 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
Momentane SI	URS-F vs. URS-M vs. FMS-F	4.26	2	0.12
	URS-F vs. FMS-F	3.94	1	0.05
Größte SI	URS-F vs. URS-M vs. FMS-F	0.85	2	0.65
Durchschnittliche SI	URS-F vs. URS-M vs. FMS-F	0.01	2	0.99
AU-Tage	URS-F vs. URS-M vs. FMS-F	0.83	2	0.66
Chronifizierung	URS-F vs. URS-M vs. FMS-F	1.2	2	0.55

Chronic Pain Grade (CPG, von Korff et al. 1992)

Table of Stichprobe/ Geschlecht by CPG_Grad

Stichprobe/ Geschlecht Frequency Percent Row Pct Col Pct	CPG_Grad 1	2	3	4	Total
FMS_M	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 2.22 100.00 7.69	0 0.00 0.00 0.00	1 2.22
FMS_F	3 6.67 17.65 42.86	4 8.89 23.53 30.77	3 6.67 17.65 23.08	7 15.56 41.18 58.33	17 37.78
URS_M	2 4.44 18.18 28.57	2 4.44 18.18 15.38	4 8.89 36.36 30.77	3 6.67 27.27 25.00	11 24.44
URS_F	2 4.44 12.50 28.57	7 15.56 43.75 53.85	5 11.11 31.25 38.46	2 4.44 12.50 16.67	16 35.56
Total	7 15.56	13 28.89	13 28.89	12 26.67	45 100.00

Frequency Missing = 1

The FREQ Procedure
Table of Stichprobe/ Geschlecht by cpg_zus
Stichprobe/ Geschlecht cpg_zus

Frequency Percent Row Pct Col Pct	.	high	low	Total
FMS_M	0 0.00 0.00 0.00	1 2.17 100.00 4.00	0 0.00 0.00 0.00	1 2.17
FMS_F	1 2.17 5.56 100.00	10 21.74 55.56 40.00	7 15.22 38.89 35.00	18 39.13
URS_M	0 0.00 0.00 0.00	7 15.22 63.64 28.00	4 8.70 36.36 20.00	11 23.91
URS_F	0 0.00 0.00 0.00	7 15.22 43.75 28.00	9 19.57 56.25 45.00	16 34.78
Total	1 2.17	25 54.35	20 43.48	46 100.00

Schmerzempfindungsskala (SES, Geissner 1996)

Ses_aff_tw= Skala „affektives Schmerzempfinden“ - T-Wert
Ses_sen_tw= Skala „sensorisches Schmerzempfinden - T-Wert
Ses_le_tw= Skala „lokales Eindringen“ - T-Wert
Ses_le_tw= Skala „Rhythmik“ - T-Wert
Ses_tp_tw= Skala „Temperatur“ - T-Wert

Stichprobe/ Geschlecht=FMS_M
The MEANS Procedure

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
ses_aff_tw	1	37.0000000	37.0000000	.	.	37.0000000	37.0000000	37.0000000	37.0000000
ses_sen_tw	1	43.0000000	43.0000000	.	.	43.0000000	43.0000000	43.0000000	43.0000000
ses_le_tw	1	50.0000000	50.0000000	.	.	50.0000000	50.0000000	50.0000000	50.0000000
ses_rt_tw	1	41.0000000	41.0000000	.	.	41.0000000	41.0000000	41.0000000	41.0000000
ses_tp_tw	1	42.0000000	42.0000000	.	.	42.0000000	42.0000000	42.0000000	42.0000000

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
ses_aff_tw	17	47.5294118	48.0000000	5.8749218	1.4248778	37.0000000	59.0000000	42.0000000	52.0000000
ses_sen_tw	18	54.0000000	52.0000000	8.3736281	1.9736831	42.0000000	71.0000000	48.0000000	61.0000000
ses_le_tw	18	51.3888889	50.0000000	7.4291864	1.7510760	44.0000000	69.0000000	47.0000000	53.0000000
ses_rt_tw	18	48.7222222	48.0000000	6.9773209	1.6445703	41.0000000	62.0000000	44.0000000	51.0000000
ses_tp_tw	18	59.3888889	58.0000000	10.6059855	2.4998548	46.0000000	77.0000000	50.0000000	66.0000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
ses_aff_tw	11	47.0909091	48.0000000	8.9828119	2.7084197	35.0000000	62.0000000	38.0000000	54.0000000
ses_sen_tw	11	48.3636364	51.0000000	8.8461599	2.6672176	37.0000000	63.0000000	40.0000000	57.0000000
ses_le_tw	11	51.7272727	53.0000000	10.9187079	3.2921143	38.0000000	69.0000000	38.0000000	59.0000000
ses_rt_tw	11	44.3636364	41.0000000	4.7386227	1.4287485	41.0000000	51.0000000	41.0000000	51.0000000
ses_tp_tw	11	49.2727273	50.0000000	6.4045438	1.9310426	42.0000000	58.0000000	42.0000000	54.0000000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
ses_aff_tw	16	48.4375000	47.5000000	10.6456173	2.6614043	38.0000000	72.0000000	39.0000000	55.5000000
ses_sen_tw	16	49.7500000	51.5000000	8.0457028	2.0114257	37.0000000	63.0000000	42.5000000	57.0000000
ses_le_tw	16	48.1250000	47.0000000	8.8910067	2.2227517	38.0000000	65.0000000	41.0000000	53.0000000
ses_rt_tw	16	49.1875000	48.0000000	8.1094081	2.0273520	41.0000000	62.0000000	41.0000000	56.5000000
ses_tp_tw	16	52.3750000	50.0000000	11.2420342	2.8105086	42.0000000	77.0000000	42.0000000	62.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.05 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
ses_aff_tw	URS-F vs. URS-M vs. FMS-F	0.12	2	0.93
ses_sen_tw	URS-F vs. URS-M vs. FMS-F	2.85	2	0.24
ses_le_tw	URS-F vs. URS-M vs. FMS-F	1.88	2	0.39
ses_rt_tw	URS-F vs. URS-M vs. FMS-F	3.72	2	0.16
	FMS-F vs. URS-M	3.48	1	0.06
ses_tp_tw	URS-F vs. URS-M vs. FMS-F	7.1	2	0.03
	URS-F vs. FMS-F	3.81	1	0.05
	URS-M vs. FMS-F	6.35	1	0.01

Fragebogen schmerzbezogener Selbstinstruktion (FSS, Flor et al. 1991)

FSS_SUMC= Skala „Katastrophisieren“

FSS_SUMA= Skala „Aktivierendes Coping“

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FSS_SUMC	1	5.0000000	5.0000000	.	.	5.0000000	5.0000000	5.0000000	5.0000000
FSS_SUMA	1	24.0000000	24.0000000	.	.	24.0000000	24.0000000	24.0000000	24.0000000

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FSS_SUMC	17	18.2352941	18.0000000	9.4308630	2.2873202	2.0000000	37.0000000	11.0000000	25.0000000
FSS_SUMA	18	27.1666667	28.5000000	8.9983659	2.1209352	9.0000000	41.0000000	19.0000000	34.0000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FSS_SUMC	11	21.1818182	24.0000000	11.7713056	3.5491822	1.0000000	38.0000000	15.0000000	27.0000000
FSS_SUMA	11	26.3636364	28.0000000	7.6062176	2.2933609	14.0000000	36.0000000	20.0000000	32.0000000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FSS_SUMC	14	18.6428571	19.0000000	8.6077527	2.3005187	5.0000000	34.0000000	11.0000000	27.0000000
FSS_SUMA	14	31.2857143	31.5000000	3.9111000	1.0452854	23.0000000	37.0000000	30.0000000	34.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.05 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
FSS_SUMC	URS-F vs. URS-M vs. FMS-F	0.85	2	0.65
FSS_SUMA	URS-F vs. URS-M vs. FMS-F	2.95	2	0.23

Fear Avoidance Beliefs Questionnaire (Pfingsten et al. 1997)

FABQ_VA= Fear Avoidance Beliefs - Verursachung durch Arbeit
FABQ_VAK=Fear Avoidance Beliefs - Verursachung durch Aktivität
FABQ_PA= Fear Avoidance Beliefs - Prognostik bezüglich der Arbeitsfähigkeit

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FABQ_VA	1	3.0000000	3.0000000	.	.	3.0000000	3.0000000	3.0000000	3.0000000
FABQ_VAK	1	7.0000000	7.0000000	.	.	7.0000000	7.0000000	7.0000000	7.0000000
FABQ_PA	1	0	0	.	.	0	0	0	0

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FABQ_VA	14	15.0714286	11.5000000	7.9077789	2.1134428	8.0000000	31.0000000	9.0000000	21.0000000
FABQ_VAK	18	14.2222222	16.5000000	6.3297203	1.4919294	0	25.0000000	10.0000000	19.0000000
FABQ_PA	12	10.9166667	8.0000000	9.0700139	2.6182875	0	30.0000000	5.0000000	14.0000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FABQ_VA	10	13.9000000	11.5000000	10.7646541	3.4040825	0	35.0000000	7.0000000	20.0000000
FABQ_VAK	11	17.1818182	18.0000000	6.0136209	1.8131749	6.0000000	27.0000000	13.0000000	22.0000000
FABQ_PA	10	9.8000000	8.5000000	11.2427755	3.5552778	0	30.0000000	0	12.0000000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FABQ_VA	16	12.8125000	13.0000000	6.2205975	1.5551494	0	24.0000000	9.0000000	15.5000000
FABQ_VAK	15	14.8666667	15.0000000	4.9550359	1.2793848	8.0000000	26.0000000	11.0000000	17.0000000
FABQ_PA	15	7.5333333	7.0000000	6.5341593	1.6871127	0	21.0000000	3.0000000	13.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.05 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
FABQ_VA	URS-F vs. URS-M vs. FMS-F	0.15	2	0.93
FABQ_VAK	URS-F vs. URS-M vs. FMS-F	1.75	2	0.42
FABQ_PA	URS-F vs. URS-M vs. FMS-F	0.75	2	0.69

Multidimensional Pain Inventory (MPI, Flor et al. 1990)

Teil 1: Aussagen zum Schmerzerleben
mpi1_s1= Skala „Schmerzstärke“
mpi1_s2= Skala „Beeinträchtigung durch den Schmerz“
mpi1_s3= Skala „affektive Verstimmung“
mpi1_s4= Skala „erlebte Unterstützung“
mpi1_s5= Skala „Lebenskontrolle“

Teil 2: Reaktionen von Bezugspersonen
mpi2_s1= Skala „strafende Reaktion“
mpi2_s2= Skala „zuwendende Reaktion“
mpi2_s3= Skala „ablenkende Reaktion“

Teil 3: Aktivitäten
mpi3_g= Skala „Gesamtaktivitätsniveau“

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
mpi1_s1	1	2.3333333	2.3333333	.	.	2.3333333	2.3333333	2.3333333	2.3333333
mpi1_s2	1	2.2000000	2.2000000	.	.	2.2000000	2.2000000	2.2000000	2.2000000
mpi1_s3	1	1.6666667	1.6666667	.	.	1.6666667	1.6666667	1.6666667	1.6666667
mpi1_s4	1	1.6666667	1.6666667	.	.	1.6666667	1.6666667	1.6666667	1.6666667
mpi1_s5	1	4.0000000	4.0000000	.	.	4.0000000	4.0000000	4.0000000	4.0000000
mpi2_s1	1	0.3333333	0.3333333	.	.	0.3333333	0.3333333	0.3333333	0.3333333
mpi2_s2	1	1.6000000	1.6000000	.	.	1.6000000	1.6000000	1.6000000	1.6000000
mpi2_s3	1	5.0000000	5.0000000	.	.	5.0000000	5.0000000	5.0000000	5.0000000
mpi3_g	1	2.8416667	2.8416667	.	.	2.8416667	2.8416667	2.8416667	2.8416667

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
mpi1_s1	18	3.6851852	3.8333333	0.9251195	0.2180528	2.0000000	5.6666667	3.3333333	4.0000000
mpi1_s2	13	3.4846154	2.9000000	1.1767513	0.3263721	2.3000000	5.6000000	2.5000000	4.7000000
mpi1_s3	18	2.8888889	2.8333333	0.8929645	0.2104738	1.3333333	4.3333333	2.3333333	3.6666667
mpi1_s4	14	3.6190476	3.5000000	1.4432699	0.3857301	1.0000000	5.6666667	2.6666667	5.0000000
mpi1_s5	16	3.3333333	3.5000000	1.2649111	0.3162278	1.3333333	5.3333333	2.1666667	4.1666667
mpi2_s1	15	1.0000000	0.3333333	1.1268723	0.2909572	0	3.0000000	0	2.0000000
mpi2_s2	14	3.1000000	3.1000000	1.4331246	0.3830187	0.6000000	6.0000000	2.0000000	3.6000000
mpi2_s3	14	3.0952381	3.0000000	1.5493510	0.4140815	1.0000000	6.0000000	2.0000000	4.0000000
mpi3_g	18	2.7310185	2.7708333	1.0878443	0.2564074	0.4750000	4.8333333	2.3416667	3.1000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
mpi1_s1	11	3.4242424	3.6666667	0.8830617	0.2662531	2.0000000	4.6666667	2.6666667	4.3333333
mpi1_s2	10	3.5300000	3.9000000	1.2684636	0.4011234	1.5000000	5.6000000	2.4000000	4.2000000
mpi1_s3	11	2.8787879	2.6666667	0.5430925	0.1637486	2.3333333	3.6666667	2.3333333	3.3333333
mpi1_s4	11	4.3030303	5.0000000	1.4410995	0.4345078	2.0000000	5.6666667	2.3333333	5.3333333
mpi1_s5	11	3.8484848	4.0000000	1.4248870	0.4296196	2.0000000	6.0000000	2.3333333	5.0000000
mpi2_s1	11	1.8181818	2.0000000	1.6354655	0.4931114	0	5.0000000	0.3333333	2.6666667
mpi2_s2	11	2.7636364	2.8000000	1.1342599	0.3419922	1.2000000	4.6000000	1.4000000	3.6000000
mpi2_s3	11	2.6060606	2.6666667	0.9754564	0.2941112	1.3333333	4.3333333	1.6666667	3.3333333
mpi3_g	11	2.6015152	2.5000000	0.7213974	0.2175095	1.3250000	3.7666667	2.1166667	3.3750000

Stichprobe/ Geschlecht=URS_F

The MEANS Proced

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
mpi1_s1	16	3.2916667	3.1666667	1.2988599	0.3247150	1.0000000	6.0000000	2.5000000	4.3333333
mpi1_s2	15	2.9733333	3.0000000	1.2836703	0.3314423	0.8000000	6.0000000	1.9000000	3.7000000
mpi1_s3	16	3.1250000	3.3333333	0.8681611	0.2170403	1.6666667	4.3333333	2.5000000	3.8333333
mpi1_s4	16	2.6666667	2.8333333	1.4350119	0.3587530	0	4.6666667	1.8333333	3.8333333
mpi1_s5	16	3.7708333	4.0000000	1.5478480	0.3869620	0	6.0000000	2.8333333	5.0000000
mpi2_s1	14	1.0000000	0.6666667	0.9870962	0.2638126	0	3.0000000	0	1.6666667
mpi2_s2	15	2.9333333	2.6000000	0.9278752	0.2395763	1.8000000	4.8000000	2.2000000	3.6000000
mpi2_s3	15	2.6000000	2.3333333	1.4265064	0.3683224	0	5.0000000	1.6666667	4.0000000
mpi3_g	16	2.5854167	2.5291667	0.5781236	0.1445309	1.7083333	3.7000000	2.1250000	2.9958333

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.10 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
mpi1_s1	URS-F vs. URS-M vs. FMS-F	0.96	2	0.62
mpit_s2	URS-F vs. URS-M vs. FMS-F	1.43	2	0.49
mpi1_s3	URS-F vs. URS-M vs. FMS-F	0.86	2	0.65
mpi1_s4	URS-F vs. URS-M vs. FMS-F	7.56	2	0.02
	URS-F vs. URS-M	7.30	1	0.01
	URS-F vs. FMS-F	2.71	1	0.10
mpi1_s5	URS-F vs. URS-M vs. FMS-F	1.29	2	0.52
mpi2_s1	URS-F vs. URS-M vs. FMS-F	2.26	2	0.32
mpi2_s2	URS-F vs. URS-M vs. FMS-F	0.3	2	0.86
mpi2_s	URS-F vs. URS-M vs. FMS-F	0.81	2	0.67
mpi3_g	URS-F vs. URS-M vs. FMS-F	1.07	2	0.59

Cluster-Zuweisung des MPI und Skalenmittelwerte für die drei Cluster:
Cluster 1= DYS = “Dysfunctional”
Cluster 2= AC = “Adaptive Copers”
Cluster 3= ID = “Interpersonally Disstressed”

MPI Cluster
gemittelt über alle Schmerzpatienten

Obs	CLUSTER	_TYPE_	_FREQ_	mw	sd	Skal
1	1	0	10	4.36667	0.69300	PS
2	2	0	25	3.05333	0.94124	PS
3	3	0	10	3.66667	1.08866	PS
4	1	0	10	4.57778	0.68516	I
5	2	0	25	2.40000	0.78457	I
6	3	0	10	3.83000	1.01220	I
7	1	0	10	3.50000	0.59317	AD
8	2	0	25	2.54667	0.79861	AD
9	3	0	10	3.36667	0.55444	AD
10	1	0	10	4.80000	0.78881	S
11	2	0	25	3.24242	1.46992	S
12	3	0	10	2.25926	1.44124	S
13	1	0	10	3.40000	1.05175	LC
14	2	0	25	4.34783	1.18696	LC
15	3	0	10	2.26667	1.08639	LC
16	1	0	10	1.00000	1.09994	PR
17	2	0	25	0.68116	0.76856	PR
18	3	0	10	2.95833	1.07552	PR
19	1	0	10	3.94000	0.99353	SR
20	2	0	25	2.78182	1.11767	SR
21	3	0	10	2.00000	0.44078	SR
22	1	0	10	3.96296	1.33795	DR
23	2	0	25	2.68116	1.29286	DR
24	3	0	10	1.91667	0.93859	DR
25	1	0	10	2.84417	0.73368	GA
26	2	0	25	2.54400	0.80488	GA
27	3	0	10	2.58750	0.91205	GA

MPI Cluster
gemittelt über alle Schmerzpatienten

The FREQ Procedure

Table of Stichprobe/ Geschlecht by CLUSTER

Stichprobe/ Geschlecht CLUSTER(Cluster)

Frequency Percent Row Pct Col Pct	1	2	3	Total
FMS_M	0 0.00 0.00 0.00	1 2.22 100.00 4.00	0 0.00 0.00 0.00	1 2.22
FMS_W	4 8.89 23.53 40.00	10 22.22 58.82 40.00	3 6.67 17.65 30.00	17 37.78
URS_M	4 8.89 40.00 40.00	4 8.89 40.00 16.00	2 4.44 20.00 20.00	10 22.22
URS_W	2 4.44 11.76 20.00	10 22.22 58.82 40.00	5 11.11 29.41 50.00	17 37.78
Total	10 22.22	25 55.56	10 22.22	45 100.00

Frequency Missing = 1

Statistics for Table of Stichprobe/ Geschlecht by CLUSTER

Statistic	DF	Value	Prob
Chi-Square	6	4.1506	0.6563
Likelihood Ratio Chi-Square	6	4.4479	0.6163
Mantel-Haenszel Chi-Square	1	0.9285	0.3353
Phi Coefficient		0.3037	
Contingency Coefficient		0.2906	
Cramer's V		0.2148	

WARNING: 75% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Effective Sample Size = 45
Frequency Missing = 1

Anzahl der Arztbesuche während der letzten 12 Monate wegen Schmerzen

Stichprobe/ Geschlecht=FMS_M

Analysis Variable : Arztbesuche letzten 6 Mon wg Schm

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
1	10.0000000	10.0000000	.	.	10.0000000	10.0000000	10.0000000	10.0000000

Stichprobe/ Geschlecht=FMS_F

Analysis Variable : Arztbesuche letzten 6 Mon wg Schm

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
16	12.5625000	10.0000000	11.3664345	2.8416086	2.0000000	48.0000000	7.0000000	12.0000000

Stichprobe/ Geschlecht=URS_M

Analysis Variable : Arztbesuche letzten 6 Mon wg Schm

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
11	10.8181818	10.0000000	7.6265088	2.2994789	1.0000000	20.0000000	2.0000000	20.0000000

Stichprobe/ Geschlecht=URS_F

Analysis Variable : Arztbesuche letzten 6 Mon wg Schm

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
14	7.2857143	5.0000000	7.3634082	1.9679536	0	24.0000000	3.0000000	12.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden ab $p \leq 0.1$ berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
Arztbesuche	URS-F vs. URS-M vs. FMS-F	3.07	2	0.22
	URS-F vs. FMS-F	3.15	1	0.08

Tübinger Bogen zur Erfassung des Schmerzverhaltens (TBS, Kerns et al. 1991, Flor et al. 1991)

Stichprobe/ Geschlecht=FMS_M Analysis Variable : tbs_sum

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
0	.	.	.	.	.	.	.	.

Stichprobe/ Geschlecht=FMS_F Analysis Variable : tbs_sum

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
15	14.5333333	14.0000000	3.8889342	1.0041185	11.0000000	22.0000000	11.0000000	17.0000000

Stichprobe/ Geschlecht=URS_M Analysis Variable : tbs_sum

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
11	14.7272727	14.0000000	3.7440862	1.1288845	11.0000000	22.0000000	11.0000000	18.0000000

Stichprobe/ Geschlecht=URS_F Analysis Variable : tbs_sum

N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
14	14.2142857	13.5000000	2.8059983	0.7499346	11.0000000	20.0000000	12.0000000	16.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.10 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
TBS	URS-F vs. URS-M vs. FMS-F	0.06	2	0.97

Funktionsfragebogen Hannover (FFbH, Kohlmann & Raspe 1996)

FFBH_SUM= Summenwerte des FFbH

FFBH_PR= Prozentränge des FFbH

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FFBH_SUM	1	95.8333333	95.8333333	.	.	95.8333333	95.8333333	95.8333333	95.8333333
ffbh_pr	1	79.9000000	79.9000000	.	.	79.9000000	79.9000000	79.9000000	79.9000000

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FFBH_SUM	18	57.1759259	62.5000000	20.1508585	4.7496029	20.8333333	87.5000000	41.6666667	70.8333333
ffbh_pr	18	11.2000000	10.3000000	7.1378857	1.6824158	0	24.5000000	5.7000000	14.5000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FFBH_SUM	11	62.8787879	54.1666667	23.5300152	7.0945665	25.0000000	100.0000000	50.0000000	83.3333333
ffbh_pr	11	15.3545455	8.2000000	22.2810845	6.7179998	2.3000000	79.9000000	3.6000000	18.8000000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
FFBH_SUM	16	63.5416667	62.5000000	17.1121031	4.2780258	29.1666667	91.6666667	54.1666667	79.1666667
ffbh_pr	16	15.3750000	11.5000000	9.4037936	2.3509484	4.5000000	41.0000000	10.3000000	22.8000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.10 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
FFbH_PR	URS-F vs. URS-M vs. FMS-F	2.97	2	0.23

Pain disability Index (PDI, Dillmann et al. 1994)

PDI_SUM= Summenwert des PDI
PDI_PR= Prozentrang des PDI

Stichprobe/ Geschlecht=FMS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
PDI_SUM	1	18.0000000	18.0000000	.	.	18.0000000	18.0000000	18.0000000	18.0000000
pdi_pr	1	20.0000000	20.0000000	.	.	20.0000000	20.0000000	20.0000000	20.0000000

Stichprobe/ Geschlecht=FMS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
PDI_SUM	14	33.3571429	26.0000000	15.4003354	4.1159128	15.0000000	58.0000000	22.0000000	45.0000000
pdi_pr	14	52.7857143	35.0000000	31.5525900	8.4327844	20.0000000	99.0000000	30.0000000	80.0000000

Stichprobe/ Geschlecht=URS_M

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
PDI_SUM	10	30.8000000	30.0000000	15.9290092	5.0371950	8.0000000	57.0000000	17.0000000	44.0000000
pdi_pr	10	49.0000000	45.0000000	31.5171911	9.9666109	5.0000000	95.0000000	20.0000000	80.0000000

Stichprobe/ Geschlecht=URS_F

Variable	N	Mean	Median	SD	Std Error	Minimum	Maximum	Lower Quartile	Upper Quartile
PDI_SUM	14	20.9285714	22.5000000	13.3961205	3.5802638	0	41.0000000	11.0000000	30.0000000
pdi_pr	14	33.2142857	30.0000000	22.7534564	6.0811170	5.0000000	70.0000000	20.0000000	50.0000000

Inferenzstatistisch Überprüfung der Stichprobenunterschiede durch Kruskal-Wallis Test bzw. post hoc Einzelkontraste durch Mann-Whitney U-Test (Ergebnisse der post hoc Tests werden nur bei p≤ 0.10 berichtet)

Variable	Overall Test und Einzelkontraste Stichproben	Chi^2	df	pr> Chi^2
PDI_SUM	URS-F vs. URS-M vs. FMS-F	3.73	2	0.16
	URS-F vs. FMS-F	3.06	1	0.08
PDI_PR	URS-F vs. URS-M vs. FMS-F	3.19	2	0.20
	URS-F vs. FMS-F	2.72	1	0.1

Vergleich der Angaben zu Schmerzursachen oder schmerzauslösenden Ereignissen zwischen Patienten mit FMS und URS

Abkürzung Antwortkategorie:
0= Trifft nicht zu
1= Trifft zu

Table of dgssa_urs_kra by Schmerzstichproben
dgssa_urs_kra = Ursache Hauptschmerz Krankheit

Frequency Percent Row Pct Col Pct	Schmerzstichproben FMS	URS	Total
0	13 28.26 43.33 68.42	17 36.96 56.67 62.96	30 65.22
1	6 13.04 37.50 31.58	10 21.74 62.50 37.04	16 34.78
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_kra by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	0.1465	0.7019
Likelihood Ratio Chi-Square	1	0.1472	0.7012
Continuity Adj. Chi-Square	1	0.0047	0.9455
Mantel-Haenszel Chi-Square	1	0.1433	0.7050
Phi Coefficient		0.0564	
Contingency Coefficient		0.0563	
Cramer's V		0.0564	

Fisher's Exact Test

Cell (1,1) Frequency (F)	13
Left-sided Pr <= F	0.7557
Right-sided Pr >= F	0.4751
Table Probability (P)	0.2309
Two-sided Pr <= P	0.7618

Sample Size = 46
Table of dgssa_urs_unf by Schmerzstichproben

dgssa_urs_unf = Ursache Hauptschmerz: Unfall
Schmerzstichproben

Frequency Percent Row Pct Col Pct	FMS	URS	Total
0	16 34.78 39.02 84.21	25 54.35 60.98 92.59	41 89.13
1	3 6.52 60.00 15.79	2 4.35 40.00 7.41	5 10.87
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_unf by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	0.8088	0.3685
Likelihood Ratio Chi-Square	1	0.7947	0.3727
Continuity Adj. Chi-Square	1	0.1750	0.6757
Mantel-Haenszel Chi-Square	1	0.7912	0.3737
Phi Coefficient		-0.1326	
Contingency Coefficient		0.1314	
Cramer's V		-0.1326	

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test

Cell (1,1) Frequency (F)	16
Left-sided Pr <= F	0.3330
Right-sided Pr >= F	0.9152
Table Probability (P)	0.2481
Two-sided Pr <= P	0.6351

Sample Size = 46

Table of dgssa_urs_kbe by Schmerzstichproben

dgssa_urs_kbe = Ursache Hauptschmerz körperliche Belastastung
Schmerzstichproben

Frequency Percent Row Pct Col Pct	FMS	URS	Total
0	7 15.22 63.64 36.84	4 8.70 36.36 14.81	11 23.91
1	12 26.09 34.29 63.16	23 50.00 65.71 85.19	35 76.09
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_kbe by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	2.9740	0.0846
Likelihood Ratio Chi-Square	1	2.9467	0.0861
Continuity Adj. Chi-Square	1	1.8865	0.1696
Mantel-Haenszel Chi-Square	1	2.9093	0.0881
Phi Coefficient		0.2543	
Contingency Coefficient		0.2464	
Cramer's V		0.2543	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test

Cell (1,1) Frequency (F)	7
Left-sided Pr <= F	0.9808
Right-sided Pr >= F	0.0855
Table Probability (P)	0.0663
Two-sided Pr <= P	0.1585

Sample Size = 46

Table of dgssa_urs_sbe by Schmerzstichproben

dgssa_urs_sbe = Ursache Hauptschmerz seelische Belastastung
Schmerzstichproben

Frequency Percent Row Pct Col Pct	FMS	URS	Total
0	7 15.22 30.43 36.84	16 34.78 69.57 59.26	23 50.00
1	12 26.09 52.17 63.16	11 23.91 47.83 40.74	23 50.00
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_sbe by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	2.2417	0.1343
Likelihood Ratio Chi-Square	1	2.2627	0.1325
Continuity Adj. Chi-Square	1	1.4347	0.2310
Mantel-Haenszel Chi-Square	1	2.1930	0.1386
Phi Coefficient		-0.2208	
Contingency Coefficient		0.2156	
Cramer's V		-0.2208	

Fisher's Exact Test

Cell (1,1) Frequency (F)	7
Left-sided Pr <= F	0.1154
Right-sided Pr >= F	0.9644
Table Probability (P)	0.0798
Two-sided Pr <= P	0.2307

Sample Size = 46

Table of dgssa_urs_ver by Schmerzstichproben

dgssa_urs_ver = Ursache Hauptschmerz Vererbung
Schmerzstichproben

Frequency Percent Row Pct Col Pct	FMS	URS	Total
0	15 32.61 44.12 78.95	19 41.30 55.88 70.37	34 73.91
1	4 8.70 33.33 21.05	8 17.39 66.67 29.63	12 26.09
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_ver by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	0.4255	0.5142
Likelihood Ratio Chi-Square	1	0.4325	0.5108
Continuity Adj. Chi-Square	1	0.0969	0.7556
Mantel-Haenszel Chi-Square	1	0.4162	0.5188
Phi Coefficient		0.0962	
Contingency Coefficient		0.0957	
Cramer's V		0.0962	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test

Cell (1,1) Frequency (F)	15
Left-sided Pr <= F	0.8394
Right-sided Pr >= F	0.3818
Table Probability (P)	0.2211
Two-sided Pr <= P	0.7346

Sample Size = 46

Table of dgssa_urs_anu by Schmerzstichproben
dgssa_urs_anu = Ursache Hauptschmerz andere als genannten Ursachen
Schmerzstichproben

Frequency Percent Row Pct Col Pct	FMS	URS	Total
0	14 30.43 40.00 73.68	21 45.65 60.00 77.78	35 76.09
1	5 10.87 45.45 26.32	6 13.04 54.55 22.22	11 23.91
Total	19 41.30	27 58.70	46 100.00

Statistics for Table of dgssa_urs_anu by Schmerzstichproben

Statistic	DF	Value	Prob
Chi-Square	1	0.1027	0.7486
Likelihood Ratio Chi-Square	1	0.1021	0.7493
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.1005	0.7513
Phi Coefficient		-0.0473	
Contingency Coefficient		0.0472	
Cramer's V		-0.0473	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test

Cell (1,1) Frequency (F)	14
Left-sided Pr <= F	0.5077
Right-sided Pr >= F	0.7503
Table Probability (P)	0.2580
Two-sided Pr <= P	1.0000

Sample Size = 46

Anhang 14

Interkorrelation klinischer Schmerzmaße

Inhalt Anhang 14

Interkorrelation klinischer Schmerzmaße

Tabelle: Interkorrelation ausgewählter klinischer Schmerzmaße in der Stichprobe der Frauen mit Fibromyalgie.

	$SI_{momentan}$	SES_{Temp}	$FABQ_{VAK}$	$FSS_{Katastr}$	$FSS_{Aktiv.C.}$	PDI	Arztbes	$MPI_{Unterstütz}$	CPG
$SI_{momentan}$	1.000 (18)	**0.495*** (18)	0.105 (18)	0.160 (17)	-0.182 (18)	**0.516**$^{\#}$ (14)	0.066 (16)	-0.072 (14)	**0.499*** (17)
$SES_{Temp.}$		1.000 (18)	-0.184 (18)	**0.486*** (17)	**-0.405**$^{\#}$ (18)	0.574 (14)	0.023 (16)	0.066 (14)	**0.491*** (17)
$FABQ_{VAK}$.			1.000 (18)	-0.258 (17)	0.231 (18)	-0.124 (14)	-0.005 (16)	-0.180 (14)	0.291 (17)
$FSS_{Katastroph}$				1.000 (17)	**-0.547*** (17)	0.079 (14)	-0.335 (15)	-0.193 (13)	-0.039 (16)
$FSS_{Aktiv.C.}$					1.000 (18)	-0.334 (14)	0.233 (16)	0.341 (14)	0.014 (17)
PDI						1.000 (14)	0.410 (12)	0.419 (12)	**0.591*** (13)
Arztbes							1.000 (16)	**0.588*** (13)	**0.515*** (15)
$MPI_{Unterstütz.}$								1.000 (14)	0.432 (14)
CPG									1.000 (17)

Abk.: $SI_{momentan}$= momentane Schmerzintensität, $SES_{Temp.}$= Schmerzempfindungsskala (Geissner 1996), sensorisches Schmerzempfinden „Temperatur“, $FABQ_{VAK}$= Fear Avoidance Belief Questionnaire (Pfingsten et al. 1997), Skala „Verursachung durch Aktivität“, $FSS_{Katastroph.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „Hemmende Selbstinstruktion / Katastrophisierendes Coping“, $FSS_{AktivC.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „aktivierendes Coping“, PDI= Pain Disability Index (Dillmann et al. 1994), Arztbes.= Anzahl der Arztbesuche, $MPI_{Unterstütz}$.= Multidimensional Pain Inventory (Flor et al. 1990) , Skala „erlebte Unterstützung“, CPG= Chronic Pain Grade (von Korff et al. 1992). Angabe der Stichprobengröße in Klammern.
**$p< 0.01$; *$p< 0.05$; $^{\#}p< 0.1$

Tabelle: Interkorrelation ausgewählter klinischer Schmerzmaße in der Stichprobe der Frauen mit unspezifischen Rückenschmerzen.

	$SI_{momentan}$	SES_{Temp}	$FABQ_{VAK}$	$FSS_{Katastr}$	$FSS_{Aktiv.C.}$	PDI	Arztbes	$MPI_{Unterstütz}$	CPG
$SI_{momentan}$	1.000 (16)	0.136 (16)	0.303 (14)	**0.564*** (14)	**-0.547*** (14)	0.227 (14)	0.394 (14)	-0.409 (15)	0.382 (15)
$SES_{Temp.}$		1.000 (16)	0.259 (15)	0.002 (14)	0.017 (14)	0.423 (14)	-0.040 (14)	0.385 (16)	0.115 (16)
$FABQ_{VAK}$.			1.000 (15)	0.249 (13)	-0.038 (13)	-0.214 (13)	0.129 (14)	-0.147 (15)	0.160 (15)
$FSS_{Katastroph}$				1.000 (14)	-0.337 (14)	0.173 (12)	0.341 (12)	0.153 (14)	0.042 (14)
$FSS_{Aktiv.C.}$					1.000 (14)	0.173 (12)	-0.078 (12)	0.143 (14)	-0.103 (14)
PDI						1.000 (14)	**0.596*** (12)	0.188 (14)	**0.548*** (14)
Arztbes							1.000 (14)	-0.244 (14)	**0.774**** (14)
$MPI_{Unterstütz.}$								1.000 (16)	-0.317 (16)
CPG									1.000 (16)

Abk.: $SI_{momentan}$= momentane Schmerzintensität, $SES_{Temp.}$= Schmerzempfindungsskala (Geissner 1996), sensorisches Schmerzempfinden „Temperatur“, $FABQ_{VAK}$= Fear Avoidance Belief Questionnaire (Pfingsten et al. 1997), Skala „Verursachung durch Aktivität“, $FSS_{Katastroph.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „Hemmende Selbstinstruktion / Katastrophisierendes Coping“, $FSS_{AktivC.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „aktivierendes Coping“, PDI= Pain Disability Index (Dillmann et al. 1994), Arztbes.= Anzahl der Arztbesuche, $MPI_{Unterstütz.}$= Multidimensional Pain Inventory (Flor et al. 1990) , Skala „erlebte Unterstützung“, CPG= Chronic Pain Grade (von Korff et al. 1992). Angabe der Stichprobengröße in Klammern.
**$p< 0.01$; *$p< 0.05$; $^{\#}p< 0.1$

Tabelle: Interkorrelation ausgewählter klinischer Schmerzmaße in der Stichprobe der Männer mit unspezifischen Rückenschmerzen.

	$SI_{momentan}$	SES_{Temp}	$FABQ_{VAK}$	$FSS_{Katastr}$	$FSS_{Aktiv.C.}$	PDI	Arztbes	$MPI_{Unterstütz}$	CPG
$SI_{momentan}$	1.000 (11)	0.071 (11)	0.103 (11)	0.240 (11)	0.410 (11)	0.458 (10)	0.364 (11)	-0.069 (11)	**0.701*** (11)
$SES_{Temp.}$		1.000 (11)	0.189 (11)	0.360 (11)	**0.590**$^{\#}$ (11)	**0.756*** (10)	0.007 (11)	-0.302 (11)	-0.083 (11)
$FABQ_{VAK}$.			1.000 (11)	**0.674*** (11)	0.087 (11)	0.498 (10)	-0.144 (11)	0.095 (11)	0.509 (11)
$FSS_{Katastroph}$				1.000 (11)	0.158 (11)	**0.778**** (10)	-0.040 (11)	0.032 (11)	0.423 (11)
$FSS_{Aktiv.C.}$					1.000 (11)	0.537 (10)	**0.560**$^{\#}$ (11)	**-0.712*** (11)	0.401 (11)
PDI						1.000 (10)	0.354 (10)	-0.161 (10)	0.489 (10)
Arztbes							1.000 (11)	-0.420 (11)	0.415 (11)
$MPI_{Unterstütz.}$								1.000 (11)	0.058 (11)
CPG									1.000 (11)

Abk.: $SI_{momentan}$= momentane Schmerzintensität, $SES_{Temp.}$= Schmerzempfindungsskala (Geissner 1996), sensorisches Schmerzempfinden „Temperatur“, $FABQ_{VAK}$= Fear Avoidance Belief Questionnaire (Pfingsten et al. 1997), Skala „Verursachung durch Aktivität“, $FSS_{Katastroph.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „Hemmende Selbstinstruktion / Katastrophisierendes Coping“, $FSS_{AktivC.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „aktivierendes Coping“, PDI= Pain Disability Index (Dillmann et al. 1994), Arztbes.= Anzahl der Arztbesuche, $MPI_{Unterstütz.}$= Multidimensional Pain Inventory (Flor et al. 1990) , Skala „erlebte Unterstützung“, CPG= Chronic Pain Grade (von Korff et al. 1992). Angabe der Stichprobengröße in Klammern.
**$p< 0.01$; *$p< 0.05$; $^{\#}p< 0.1$

Anhang 15

Zusammenhänge klinischer und experimenteller Schmerzmaße

Inhalt Anhang 15

A Korrelation ohne Berücksichtigung der Geschlechtszugehörigkeit
B Korrelation mit Berücksichtigung der Geschlechtszugehörigkeit

Statistisches Verfahren: Spearman Rangkorrelation

Abkürzungen:

SI_mom	„momentane Schmerzintensität - $SI_{momentan}$“
Arztbes.	„Anzahl der Arztbesuche – Arztbesuch.“
SES_temp	„Sensorische Schmerzempfindung – Skala Temperaturwahrnehmung, $SES_{Temp.}$“ der Schmerzempfindungsskala (SES, Geissner 1996)
CPG	"Chronic Pain Grade - CPG“ (von Korff et al. 1992)
FSS_KON	Skala „konstruktives Coping“ des Fragebogens schmerzbezogener Selbstinstruktion (FSS, Flor et al. 1993)
FABQ_VAK	Fear Avoidance Belief Questionnaire, Skala „Verursachung durch Aktivität“ (Pfingsten et al. 1997)
FSS_KAT	Skala „Katastrophisieren“, des Fragebogens schmerzbezogener Selbstinstruktion (FSS, Flor et al. 1993)
PDI	Pain disability Index (PDI, Dillmann et al. 1994)
MPI_unt	wahrgenommene soziale Unterstützung (MPI, Flor et al. 1990)
PTton	„tonische Schmerzschwelle – PT_{ton}“
PTadj	„phasische selbst eingestellte Schmerzschelle – PT_{adj}“
PTlim	„phasische Schmerzschwelle – PT_{lim}“
dt_level	„Levelwert des Sensibilisierungsparameters ΔT – ΔT_{level}“
dt_slope	„Steigungsgradient des Sensibilisierungsparameters ΔT – ΔT_{slope}“
de_level	„Levelwert des Sensibilisierungsparameters ΔS – ΔS_{level}“
de_slope	„Steigungsgradient des Sensibilisierungsparameters ΔS – ΔS_{slope}“
FMS_F	Frauen mit Fibromyalgiesyndrom
URS_F	Frauen mit unspezifischen Rückenschmerzen
URS_M	Männer mit unspezifischen Rückenschmerzen

A Korrelationstabelle ohne Berücksichtigung der Geschlechtszugehörigkeit

Stichprobe [KON, FMS, URS]=FMS
The CORR Procedure
11 Variables: SI_mom Arztbes. SES_temp CPG PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SI_mom	19	5.15789	2.31572	5.00000	1.00000	9.00000
Arztbes.	17	12.41176	11.02304	10.00000	2.00000	48.00000
SES_temp	19	79.61579	15.21878	83.30000	48.40000	100.00000
CPG	18	2.83333	1.15045	3.00000	1.00000	4.00000
PTton	17	43.37000	2.09908	43.42000	40.57000	47.44000
PTadj	17	43.45412	2.11840	43.69000	40.57000	47.82000
PTlim	17	43.64706	2.32194	43.10000	40.90000	49.70000
dt_level	17	-0.11151	0.36412	-0.05000	-1.05889	0.41444
dt_slope	17	-0.21913	0.37845	-0.10290	-1.39667	0.29339
de_level	16	0.24440	0.20814	0.20778	-0.06667	0.72222
de_slope	16	0.28305	0.22633	0.29005	-0.05493	0.60188

	SI_mom	Arztbes.	SES_temp	CPG	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
SI_mom	1.00000	0.09314	0.53482	0.48995	0.29351	0.30918	-0.22802	-0.26008	0.13871	-0.14530	-0.29060
SI_mom Hpt		0.7222	0.0183	0.0390	0.2529	0.2272	0.3787	0.3134	0.5955	0.5913	0.2749
	19	17	19	18	17	17	17	17	17	16	16
Arztbes.	0.09314	1.00000	0.02450	0.50720	-0.24572	-0.30971	-0.38986	-0.31671	0.03822	0.47482	0.01350
Arztbes. A	0.7222		0.9256	0.0449	0.3774	0.2613	0.1509	0.2501	0.8924	0.0862	0.9635
	17	17	17	16	15	15	15	15	15	14	14
SES_temp	0.53482	0.02450	1.00000	0.45073	0.00124	0.00372	-0.15500	0.10781	0.33459	-0.34403	-0.33361
	0.0183	0.9256		0.0605	0.9962	0.9887	0.5525	0.6804	0.1893	0.1920	0.2067
	19	17	19	18	17	17	17	17	17	16	16
CPG	0.48995	0.50720	0.45073	1.00000	0.10108	0.02912	-0.19847	-0.12711	0.28639	0.14427	-0.00555
	0.0390	0.0449	0.0605		0.7095	0.9147	0.4612	0.6390	0.2822	0.6080	0.9843
	18	16	18	18	16	16	16	16	16	15	15
PTton	0.29351	-0.24572	0.00124	0.10108	1.00000	0.97731	0.38749	0.04167	0.11029	0.13235	0.01471
Schmerzschw	0.2529	0.3774	0.9962	0.7095		<.0001	0.1244	0.8738	0.6735	0.6251	0.9569
	17	15	17	16	17	17	17	17	17	16	16
PTadj	0.30918	-0.30971	0.00372	0.02912	0.97731	1.00000	0.31963	-0.00981	0.11281	0.10743	-0.02943
Schmerzschw	0.2272	0.2613	0.9887	0.9147	<.0001		0.2111	0.9702	0.6664	0.6921	0.9138
	17	15	17	16	17	17	17	17	17	16	16
PTlim	-0.22802	-0.38986	-0.15500	-0.19847	0.38749	0.31963	1.00000	0.44022	0.11895	-0.24283	-0.14128
Schmerzschw	0.3787	0.1509	0.5525	0.4612	0.1244	0.2111		0.0770	0.6493	0.3648	0.6017
	17	15	17	16	17	17	17	17	17	16	16
dt_level	-0.26008	-0.31671	0.10781	-0.12711	0.04167	-0.00981	0.44022	1.00000	0.14951	-0.61471	-0.34706
Delta-T Lag	0.3134	0.2501	0.6804	0.6390	0.8738	0.9702	0.0770		0.5668	0.0113	0.1878
	17	15	17	16	17	17	17	17	17	16	16
dt_slope	0.13871	0.03822	0.33459	0.28639	0.11029	0.11281	0.11895	0.14951	1.00000	-0.40588	-0.74118
Delta-T Ste	0.5955	0.8924	0.1893	0.2822	0.6735	0.6664	0.6493	0.5668		0.1188	0.0010
	17	15	17	16	17	17	17	17	17	16	16
de_level	-0.14530	0.47482	-0.34403	0.14427	0.13235	0.10743	-0.24283	-0.61471	-0.40588	1.00000	0.70000
Delta-E Lag	0.5913	0.0862	0.1920	0.6080	0.6251	0.6921	0.3648	0.0113	0.1188		0.0025
	16	14	16	15	16	16	16	16	16	16	16
de_slope	-0.29060	0.01350	-0.33361	-0.00555	0.01471	-0.02943	-0.14128	-0.34706	-0.74118	0.70000	1.00000
Delta-E Ste	0.2749	0.9635	0.2067	0.9843	0.9569	0.9138	0.6017	0.1878	0.0010	0.0025	
	16	14	16	15	16	16	16	16	16	16	16

Stichprobe [KON, FMS, URS]=URS

The CORR Procedure

11 Variables: SI_mom Arztbes. SES_temp CPG PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SI_mom	27	3.88889	2.11830	3.00000	0	9.00000
Arztbes.	25	8.84000	7.53702	6.00000	0	24.00000
SES_temp	27	67.61481	16.66197	69.50000	48.40000	100.00000
CPG	27	2.55556	0.97402	3.00000	1.00000	4.00000
PTton	26	44.43000	1.20782	44.42000	42.12000	46.42000
PTadj	26	44.21269	1.28130	44.53000	41.90000	46.17000
PTlim	26	45.60000	1.63389	45.90000	42.40000	49.00000
dt_level	26	0.06506	0.30343	0.01833	-0.79000	0.63375
dt_slope	26	-0.24443	0.22535	-0.21032	-0.71617	0.17471
de_level	26	0.10471	0.16991	0.06167	-0.16778	0.44444
de_slope	26	0.23016	0.19449	0.19787	-0.00640	0.84372

	SI_mom	Arztbes.	SES_temp	CPG	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
SI_mom	1.00000	0.41607	0.09608	0.49112	-0.33108	-0.29444	-0.11045	-0.15834	-0.03914	-0.05345	-0.05572
SI_mom H		0.0386	0.6336	0.0093	0.0985	0.1443	0.5912	0.4398	0.8494	0.7954	0.7869
	27	25	27	27	26	26	26	26	26	26	26
Arztbes.	0.41607	1.00000	-0.04312	0.59768	-0.05420	0.04261	0.25678	-0.23679	0.11315	-0.11667	-0.15029
Arztbes.	0.0386		0.8378	0.0016	0.8014	0.8433	0.2258	0.2653	0.5986	0.5872	0.4833
	25	25	25	25	24	24	24	24	24	24	24
SES_temp	0.09608	-0.04312	1.00000	0.02147	-0.01677	0.00582	-0.22191	0.08468	0.12667	0.16113	0.13161
	0.6336	0.8378		0.9153	0.9352	0.9775	0.2759	0.6808	0.5375	0.4317	0.5216
	27	25	27	27	26	26	26	26	26	26	26
CPG	0.49112	0.59768	0.02147	1.00000	-0.24923	-0.24767	-0.03876	-0.16503	-0.16824	-0.13799	-0.33220
	0.0093	0.0016	0.9153		0.2195	0.2225	0.8509	0.4204	0.4113	0.5014	0.0973
	27	25	27	27	26	26	26	26	26	26	26
PTton	-0.33108	-0.05420	-0.01677	-0.24923	1.00000	0.95637	0.47438	-0.11183	-0.27360	0.24906	0.49487
Schmerzsc	0.0985	0.8014	0.9352	0.2195		<.0001	0.0143	0.5865	0.1762	0.2198	0.0102
	26	24	26	26	26	26	26	26	26	26	26
PTadj	-0.29444	0.04261	0.00582	-0.24767	0.95637	1.00000	0.56308	-0.25996	-0.18745	0.33208	0.52335
Schmerzsc	0.1443	0.8433	0.9775	0.2225	<.0001		0.0027	0.1997	0.3592	0.0974	0.0061
	26	24	26	26	26	26	26	26	26	26	26
PTlim	-0.11045	0.25678	-0.22191	-0.03876	0.47438	0.56308	1.00000	-0.18537	0.03975	0.14704	0.30084
Schmerzsc	0.5912	0.2258	0.2759	0.8509	0.0143	0.0027		0.3646	0.8471	0.4735	0.1353
	26	24	26	26	26	26	26	26	26	26	26
dt_level	-0.15834	-0.23679	0.08468	-0.16503	-0.11183	-0.25996	-0.18537	1.00000	0.29573	-0.66929	-0.34564
Delta-T L	0.4398	0.2653	0.6808	0.4204	0.5865	0.1997	0.3646		0.1424	0.0002	0.0837
	26	24	26	26	26	26	26	26	26	26	26
dt_slope	-0.03914	0.11315	0.12667	-0.16824	-0.27360	-0.18745	0.03975	0.29573	1.00000	-0.23700	-0.56171
Delta-T S	0.8494	0.5986	0.5375	0.4113	0.1762	0.3592	0.8471	0.1424		0.2437	0.0028
	26	24	26	26	26	26	26	26	26	26	26
de_level	-0.05345	-0.11667	0.16113	-0.13799	0.24906	0.33208	0.14704	-0.66929	-0.23700	1.00000	0.53591
Delta-E L	0.7954	0.5872	0.4317	0.5014	0.2198	0.0974	0.4735	0.0002	0.2437		0.0048
	26	24	26	26	26	26	26	26	26	26	26
de_slope	-0.05572	-0.15029	0.13161	-0.33220	0.49487	0.52335	0.30084	-0.34564	-0.56171	0.53591	1.00000
Delta-E S	0.7869	0.4833	0.5216	0.0973	0.0102	0.0061	0.1353	0.0837	0.0028	0.0048	
	26	24	26	26	26	26	26	26	26	26	26

Stichprobe [KON, FMS, URS]=FMS

The CORR Procedure

12 Variables: FSS_KAT FSS_KON FABQ_VAK PDI_SUM MPI_unt PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
FSS_KAT	18	17.50000	9.66650	18.00000	2.00000	37.00000
FSS_KON	19	27.00000	8.77496	28.00000	9.00000	41.00000
FABQ_VAK	19	13.84211	6.37062	16.00000	0	25.00000
PDI_SUM	15	32.33333	15.36074	24.00000	15.00000	58.00000
MPI_unt	15	3.48889	1.47931	3.33333	1.00000	5.66667
PTton	17	43.37000	2.09908	43.42000	40.57000	47.44000
PTadj	17	43.45412	2.11840	43.69000	40.57000	47.82000
PTlim	17	43.64706	2.32194	43.10000	40.90000	49.70000
dt_level	17	-0.11151	0.36412	-0.05000	-1.05889	0.41444
dt_slope	17	-0.21913	0.37845	-0.10290	-1.39667	0.29339
de_level	16	0.24440	0.20814	0.20778	-0.06667	0.72222
de_slope	16	0.28305	0.22633	0.29005	-0.05493	0.60188

	FSS_KAT	FSS_KON	FABQ_VAK	PDI_SUM	MPI_unt	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
FSS_KAT	1.00000	-0.41697	-0.15086	0.20572	-0.03749	0.11782	0.14886	0.03390	0.20324	0.41974	-0.58676	-0.56530
		0.0852	0.5502	0.4620	0.8988	0.6639	0.5822	0.9008	0.4503	0.1055	0.0215	0.0281
	18	18	18	15	14	16	16	16	16	16	15	15
FSS_KON	-0.41697	1.00000	0.25684	-0.22113	0.40934	-0.04914	-0.08789	0.17578	-0.35135	-0.04545	0.67944	0.29772
	0.0852		0.2885	0.4284	0.1297	0.8514	0.7373	0.4998	0.1667	0.8625	0.0038	0.2628
	18	19	19	15	15	17	17	17	17	17	16	16
FABQ_VAK	-0.15086	0.25684	1.00000	-0.02693	-0.03960	0.74047	0.72308	0.25662	-0.22263	0.16359	0.57922	0.20339
	0.5502	0.2885		0.9241	0.8886	0.0007	0.0010	0.3201	0.3904	0.5304	0.0187	0.4499
	18	19	19	15	15	17	17	17	17	17	16	16
PDI_SUM	0.20572	-0.22113	-0.02693	1.00000	0.49449	0.10341	0.08811	-0.37225	0.05061	0.28603	-0.20358	-0.21183
	0.4620	0.4284	0.9241		0.0858	0.7250	0.7646	0.1900	0.8636	0.3215	0.5047	0.4872
	15	15	15	15	13	14	14	14	14	14	13	13
MPI_unt	-0.03749	0.40934	-0.03960	0.49449	1.00000	-0.18182	-0.22345	-0.25655	-0.23967	-0.12397	0.30877	0.07018
	0.8988	0.1297	0.8886	0.0858		0.5522	0.4630	0.3975	0.4303	0.6866	0.3288	0.8284
	14	15	15	13	15	13	13	13	13	13	12	12
PTton	0.11782	-0.04914	0.74047	0.10341	-0.18182	1.00000	0.97731	0.38749	0.04167	0.11029	0.13235	0.01471
Schmerzsc	0.6639	0.8514	0.0007	0.7250	0.5522		<.0001	0.1244	0.8738	0.6735	0.6251	0.9569
	16	17	17	14	13	17	17	17	17	17	16	16
PTadj	0.14886	-0.08789	0.72308	0.08811	-0.22345	0.97731	1.00000	0.31963	-0.00981	0.11281	0.10743	-0.02943
Schmerzsc	0.5822	0.7373	0.0010	0.7646	0.4630	<.0001		0.2111	0.9702	0.6664	0.6921	0.9138
	16	17	17	14	13	17	17	17	17	17	16	16
PTlim	0.03390	0.17578	0.25662	-0.37225	-0.25655	0.38749	0.31963	1.00000	0.44022	0.11895	-0.24283	-0.14128
Schmerzsc	0.9008	0.4998	0.3201	0.1900	0.3975	0.1244	0.2111		0.0770	0.6493	0.3648	0.6017
	16	17	17	14	13	17	17	17	17	17	16	16
dt_level	0.20324	-0.35135	-0.22263	0.05061	-0.23967	0.04167	-0.00981	0.44022	1.00000	0.14951	-0.61471	-0.34706
Delta-T L	0.4503	0.1667	0.3904	0.8636	0.4303	0.8738	0.9702	0.0770		0.5668	0.0113	0.1878
	16	17	17	14	13	17	17	17	17	17	16	16
dt_slope	0.41974	-0.04545	0.16359	0.28603	-0.12397	0.11029	0.11281	0.11895	0.14951	1.00000	-0.40588	-0.74118
Delta-T S	0.1055	0.8625	0.5304	0.3215	0.6866	0.6735	0.6664	0.6493	0.5668		0.1188	0.0010
	16	17	17	14	13	17	17	17	17	17	16	16
de_level	-0.58676	0.67944	0.57922	-0.20358	0.30877	0.13235	0.10743	-0.24283	-0.61471	-0.40588	1.00000	0.70000
Delta-E L	0.0215	0.0038	0.0187	0.5047	0.3288	0.6251	0.6921	0.3648	0.0113	0.1188		0.0025
	15	16	16	13	12	16	16	16	16	16	16	16

de_slope	-0.56530	0.29772	0.20339	-0.21183	0.07018	0.01471	-0.02943	-0.14128	-0.34706	-0.74118	0.70000	1.00000
Delta-E S	0.0281	0.2628	0.4499	0.4872	0.8284	0.9569	0.9138	0.6017	0.1878	0.0010	0.0025	
	15	16	16	13	12	16	16	16	16	16	16	16

Stichprobe [KON, FMS, URS]=URS

The CORR Procedure

12 Variables: FSS_KAT FSS_KON FABQ_VAK PDI_SUM MPI_unt PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
FSS_KAT	25	19.76000	9.97614	20.00000	1.00000	38.00000
FSS_KON	25	29.12000	6.21369	31.00000	14.00000	37.00000
FABQ_VAK	26	15.84615	5.43833	16.00000	6.00000	27.00000
PDI_SUM	24	25.04167	15.01443	26.50000	0	57.00000
MPI_unt	27	3.33333	1.63037	3.33333	0	5.66667
PTton	26	44.43000	1.20782	44.42000	42.12000	46.42000
PTadj	26	44.21269	1.28130	44.53000	41.90000	46.17000
PTlim	26	45.60000	1.63389	45.90000	42.40000	49.00000
dt_level	26	0.06506	0.30343	0.01833	-0.79000	0.63375
dt_slope	26	-0.24443	0.22535	-0.21032	-0.71617	0.17471
de_level	26	0.10471	0.16991	0.06167	-0.16778	0.44444
de_slope	26	0.23016	0.19449	0.19787	-0.00640	0.84372

	FSS_KAT	FSS_KON	FABQ_VAK	PDI_SUM	MPI_unt	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
FSS_KAT	1.00000	-0.14222	0.45197	0.53114	0.08869	0.04336	-0.04314	-0.22560	0.22822	0.02700	-0.23203	-0.08232
		0.4977	0.0266	0.0110	0.6733	0.8406	0.8414	0.2892	0.2834	0.9003	0.2753	0.7022
	25	25	24	22	25	24	24	24	24	24	24	24
FSS_KON	-0.14222	1.00000	-0.05085	0.21441	-0.38403	0.16528	0.14432	0.16109	-0.03797	0.20821	0.08253	-0.01309
	0.4977		0.8134	0.3380	0.0581	0.4402	0.5011	0.4521	0.8602	0.3289	0.7014	0.9516
	25	25	24	22	25	24	24	24	24	24	24	24
FABQ_VAK	0.45197	-0.05085	1.00000	0.17163	0.11048	-0.14818	-0.19529	-0.55021	0.05516	-0.05477	-0.12522	-0.30704
	0.0266	0.8134		0.4336	0.5911	0.4796	0.3495	0.0044	0.7934	0.7948	0.5509	0.1355
	24	24	26	23	26	25	25	25	25	25	25	25
PDI_SUM	0.53114	0.21441	0.17163	1.00000	0.11986	-0.01762	-0.08814	0.09749	0.32536	0.01305	-0.34283	-0.17486
	0.0110	0.3380	0.4336		0.5769	0.9349	0.6821	0.6504	0.1208	0.9517	0.1010	0.4138
	22	22	23	24	24	24	24	24	24	24	24	24
MPI_unt	0.08869	-0.38403	0.11048	0.11986	1.00000	0.13248	0.04485	0.01773	0.13707	-0.44693	0.28162	0.30265
	0.6733	0.0581	0.5911	0.5769		0.5188	0.8278	0.9315	0.5043	0.0221	0.1634	0.1329
	25	25	26	24	27	26	26	26	26	26	26	26
PTton	0.04336	0.16528	-0.14818	-0.01762	0.13248	1.00000	0.95637	0.47438	-0.11183	-0.27360	0.24906	0.49487
Schmerzsc	0.8406	0.4402	0.4796	0.9349	0.5188		<.0001	0.0143	0.5865	0.1762	0.2198	0.0102
	24	24	25	24	26	26	26	26	26	26	26	26
PTadj	-0.04314	0.14432	-0.19529	-0.08814	0.04485	0.95637	1.00000	0.56308	-0.25996	-0.18745	0.33208	0.52335
Schmerzsc	0.8414	0.5011	0.3495	0.6821	0.8278	<.0001		0.0027	0.1997	0.3592	0.0974	0.0061
	24	24	25	24	26	26	26	26	26	26	26	26
PTlim	-0.22560	0.16109	-0.55021	0.09749	0.01773	0.47438	0.56308	1.00000	-0.18537	0.03975	0.14704	0.30084
Schmerzsc	0.2892	0.4521	0.0044	0.6504	0.9315	0.0143	0.0027		0.3646	0.8471	0.4735	0.1353
	24	24	25	24	26	26	26	26	26	26	26	26
dt_level	0.22822	-0.03797	0.05516	0.32536	0.13707	-0.11183	-0.25996	-0.18537	1.00000	0.29573	-0.66929	-0.34564
Delta-T L	0.2834	0.8602	0.7934	0.1208	0.5043	0.5865	0.1997	0.3646		0.1424	0.0002	0.0837
	24	24	25	24	26	26	26	26	26	26	26	26
dt_slope	0.02700	0.20821	-0.05477	0.01305	-0.44693	-0.27360	-0.18745	0.03975	0.29573	1.00000	-0.23700	-0.56171
Delta-T S	0.9003	0.3289	0.7948	0.9517	0.0221	0.1762	0.3592	0.8471	0.1424		0.2437	0.0028
	24	24	25	24	26	26	26	26	26	26	26	26
de_level	-0.23203	0.08253	-0.12522	-0.34283	0.28162	0.24906	0.33208	0.14704	-0.66929	-0.23700	1.00000	0.53591
Delta-E L	0.2753	0.7014	0.5509	0.1010	0.1634	0.2198	0.0974	0.4735	0.0002	0.2437		0.0048
	24	24	25	24	26	26	26	26	26	26	26	26

de_slope	-0.08232	-0.01309	-0.30704	-0.17486	0.30265	0.49487	0.52335	0.30084	-0.34564	-0.56171	0.53591	1.00000
Delta-E S	0.7022	0.9516	0.1355	0.4138	0.1329	0.0102	0.0061	0.1353	0.0837	0.0028	0.0048	
	24	24	25	24	26	26	26	26	26	26	26	2

B Korrelation mit Berücksichtigung der Geschlechtszugehörigkeit

Stichprobe / Geschlecht=FMS_F

The CORR Procedure

11 Variables: SI_mom Arztbes. SES_temp CPG PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SI_mom	18	5.27778	2.32140	5.50000	1.00000	9.00000
Arztbes.	16	12.56250	11.36643	10.00000	2.00000	48.00000
SES_temp	18	81.35000	13.59162	83.30000	60.30000	100.00000
CPG	17	2.82353	1.18508	3.00000	1.00000	4.00000
PTton	16	43.54500	2.03581	43.52500	40.66000	47.44000
PTadj	16	43.63438	2.04881	43.70000	40.82000	47.82000
PTlim	16	43.61250	2.39357	43.05000	40.90000	49.70000
dt_level	16	-0.11536	0.37571	-0.05556	-1.05889	0.41444
dt_slope	16	-0.22028	0.39083	-0.08052	-1.39667	0.29339
de_level	15	0.25218	0.21303	0.22111	-0.06667	0.72222
de_slope	15	0.27982	0.23389	0.26870	-0.05493	0.60188

	SI_mom	Arztbes.	SES_temp	CPG	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
SI_mom	1.00000	0.06627	0.49500	0.49872	0.19793	0.22339	-0.20478	-0.29615	0.09673	-0.23965	-0.26307
SI_mom Hp		0.8074	0.0367	0.0416	0.4625	0.4056	0.4468	0.2654	0.7216	0.3896	0.3435
	18	16	18	17	16	16	16	16	16	15	15
Arztbes.	0.06627	1.00000	0.02256	0.51451	-0.27366	-0.34301	-0.39646	-0.30258	0.04895	0.48820	0.01395
Arztbes.	0.8074		0.9339	0.0497	0.3438	0.2299	0.1605	0.2930	0.8680	0.0905	0.9639
	16	16	16	15	14	14	14	14	14	13	13
SES_temp	0.49500	0.02256	1.00000	0.49055	-0.20121	-0.19838	-0.11485	0.11775	0.32939	-0.49507	-0.34274
	0.0367	0.9339		0.0456	0.4549	0.4614	0.6719	0.6641	0.2128	0.0606	0.2111
	18	16	18	17	16	16	16	16	16	15	15
CPG	0.49872	0.51451	0.49055	1.00000	0.13286	0.05431	-0.21444	-0.11414	0.29004	0.12810	-0.02059
	0.0416	0.0497	0.0456		0.6369	0.8475	0.4428	0.6854	0.2944	0.6625	0.9443
	17	15	17	17	15	15	15	15	15	14	14
PTton	0.19793	-0.27366	-0.20121	0.13286	1.00000	0.97277	0.49448	0.03529	0.08235	0.06071	0.06429
Schmerzsch	0.4625	0.3438	0.4549	0.6369		<.0001	0.0515	0.8968	0.7617	0.8298	0.8199
	16	14	16	15	16	16	16	16	16	15	15
PTadj	0.22339	-0.34301	-0.19838	0.05431	0.97277	1.00000	0.41900	-0.02355	0.08683	0.03217	0.01609
Schmerzsch	0.4056	0.2299	0.4614	0.8475	<.0001		0.1062	0.9310	0.7492	0.9094	0.9546
	16	14	16	15	16	16	16	16	16	15	15
PTlim	-0.20478	-0.39646	-0.11485	-0.21444	0.49448	0.41900	1.00000	0.41354	0.12509	-0.21984	-0.14298
Schmerzsch	0.4468	0.1605	0.6719	0.4428	0.0515	0.1062		0.1113	0.6444	0.4311	0.6112
	16	14	16	15	16	16	16	16	16	15	15
dt_level	-0.29615	-0.30258	0.11775	-0.11414	0.03529	-0.02355	0.41354	1.00000	0.15882	-0.60714	-0.33571
Delta-T La	0.2654	0.2930	0.6641	0.6854	0.8968	0.9310	0.1113		0.5569	0.0164	0.2212
	16	14	16	15	16	16	16	16	16	15	15
dt_slope	0.09673	0.04895	0.32939	0.29004	0.08235	0.08683	0.12509	0.15882	1.00000	-0.45357	-0.72857
Delta-T St	0.7216	0.8680	0.2128	0.2944	0.7617	0.7492	0.6444	0.5569		0.0895	0.0021
	16	14	16	15	16	16	16	16	16	15	15
de_level	-0.23965	0.48820	-0.49507	0.12810	0.06071	0.03217	-0.21984	-0.60714	-0.45357	1.00000	0.73929
Delta-E La	0.3896	0.0905	0.0606	0.6625	0.8298	0.9094	0.4311	0.0164	0.0895		0.0016
	15	13	15	14	15	15	15	15	15	15	15

de_slope	-0.26307	0.01395	-0.34274	-0.02059	0.06429	0.01609	-0.14298	-0.33571	-0.72857	0.73929	1.00000
Delta-E St	0.3435	0.9639	0.2111	0.9443	0.8199	0.9546	0.6112	0.2212	0.0021	0.0016	
	15	13	15	14	15	15	15	15	15	15	15

Stichprobe / Geschlecht=URS_M

The CORR Procedure

11 Variables: SI_mom Arztbes. SES_temp CPG PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SI_mom	11	4.18182	1.94001	3.00000	2.00000	8.00000
Arztbes.	11	10.81818	7.62651	10.00000	1.00000	20.00000
SES_temp	11	66.10000	14.90886	69.50000	48.40000	83.30000
CPG	11	2.72727	1.10371	3.00000	1.00000	4.00000
PTton	11	44.22909	1.17719	44.11000	42.12000	46.13000
PTadj	11	43.84636	1.42581	43.53000	41.90000	46.06000
PTlim	11	45.76364	1.65486	46.50000	42.60000	48.10000
dt_level	11	0.14327	0.41063	0.17889	-0.79000	0.63375
dt_slope	11	-0.29618	0.29827	-0.15512	-0.71617	0.17471
de_level	11	0.11244	0.21081	0.03125	-0.13778	0.44444
de_slope	11	0.25886	0.23340	0.17003	0.00787	0.84372

	SI_mom	Arztbes.	SES_temp	CPG	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
SI_mom	1.00000	0.36365	0.07056	0.70075	-0.22544	-0.26710	0.25832	-0.03749	-0.10778	-0.16401	-0.03749
SI_mom Hptsc		0.2716	0.8367	0.0163	0.5051	0.4272	0.4431	0.9129	0.7524	0.6299	0.9129
Arztbes.	0.36365	1.00000	0.00723	0.41452	0.34657	0.31097	0.48846	-0.64515	-0.10211	-0.07890	0.38059
Arztbes. Arz	0.2716		0.9832	0.2050	0.2964	0.3520	0.1274	0.0321	0.7651	0.8176	0.2482
SES_temp	0.07056	0.00723	1.00000	-0.08333	0.13484	0.24546	0.03785	0.10385	0.50036	0.11801	0.06608
	0.8367	0.9832		0.8075	0.6926	0.4669	0.9120	0.7612	0.1170	0.7297	0.8469
CPG	0.70075	0.41452	-0.08333	1.00000	-0.22473	-0.35403	-0.04968	-0.37291	-0.33042	-0.07553	-0.31626
	0.0163	0.2050	0.8075		0.5065	0.2854	0.8847	0.2587	0.3210	0.8253	0.3434
PTton	-0.22544	0.34657	0.13484	-0.22473	1.00000	0.94761	0.44292	-0.55125	-0.30980	0.39180	0.68337
Schmerzschwel	0.5051	0.2964	0.6926	0.5065		<.0001	0.1725	0.0788	0.3539	0.2334	0.0204
PTadj	-0.26710	0.31097	0.24546	-0.35403	0.94761	1.00000	0.52848	-0.48182	-0.13636	0.48182	0.74545
Schmerzschwel	0.4272	0.3520	0.4669	0.2854	<.0001		0.0947	0.1334	0.6893	0.1334	0.0085
PTlim	0.25832	0.48846	0.03785	-0.04968	0.44292	0.52848	1.00000	-0.58770	0.05467	0.50570	0.73804
Schmerzschwel	0.4431	0.1274	0.9120	0.8847	0.1725	0.0947		0.0573	0.8732	0.1125	0.0095
dt_level	-0.03749	-0.64515	0.10385	-0.37291	-0.55125	-0.48182	-0.58770	1.00000	0.40000	-0.55455	-0.49091
Delta-T Lage	0.9129	0.0321	0.7612	0.2587	0.0788	0.1334	0.0573		0.2229	0.0767	0.1252
dt_slope	-0.10778	-0.10211	0.50036	-0.33042	-0.30980	-0.13636	0.05467	0.40000	1.00000	-0.23636	-0.16364
Delta-T Steil	0.7524	0.7651	0.1170	0.3210	0.3539	0.6893	0.8732	0.2229		0.4841	0.6307
de_level	-0.16401	-0.07890	0.11801	-0.07553	0.39180	0.48182	0.50570	-0.55455	-0.23636	1.00000	0.61818
Delta-E Lage	0.6299	0.8176	0.7297	0.8253	0.2334	0.1334	0.1125	0.0767	0.4841		0.0426
de_slope	-0.03749	0.38059	0.06608	-0.31626	0.68337	0.74545	0.73804	-0.49091	-0.16364	0.61818	1.00000
Delta-E Steil	0.9129	0.2482	0.8469	0.3434	0.0204	0.0085	0.0095	0.1252	0.6307	0.0426	

Stichprobe / Geschlecht=URS_F

The CORR Procedure

11 Variables: SI_mom Arztbes. SES_temp CPG PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SI_mom	16	3.68750	2.27211	3.00000	0	9.00000
Arztbes.	14	7.28571	7.36341	5.00000	0	24.00000
SES_temp	16	68.65625	18.17107	69.50000	48.40000	100.00000
CPG	16	2.43750	0.89209	2.00000	1.00000	4.00000
PTton	15	44.57733	1.24909	44.66000	42.68000	46.42000
PTadj	15	44.48133	1.13878	44.69000	42.68000	46.17000
PTlim	15	45.48000	1.66570	45.90000	42.40000	49.00000
dt_level	15	0.00770	0.18879	0.01111	-0.46778	0.33000
dt_slope	15	-0.20649	0.15326	-0.21737	-0.45296	0.00899
de_level	15	0.09904	0.14046	0.06889	-0.16778	0.37556
de_slope	15	0.20911	0.16586	0.20178	-0.00640	0.61872

	SI_mom	Arztbes.	SES_temp	CPG	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
SI_mom	1.00000	0.39416	0.13587	0.38182	-0.47161	-0.40595	-0.34525	-0.37880	0.18293	0.11384	-0.10902
SI_mom Hp		0.1632	0.6159	0.1445	0.0759	0.1333	0.2075	0.1638	0.5140	0.6862	0.6989
	16	14	16	16	15	15	15	15	15	15	15
Arztbes.	0.39416	1.00000	-0.03969	0.77421	-0.19028	-0.14445	0.09484	0.13315	0.53539	-0.18334	-0.58255
Arztbes.	0.1632		0.8928	0.0012	0.5335	0.6378	0.7579	0.6645	0.0594	0.5488	0.0367
	14	14	14	14	13	13	13	13	13	13	13
SES_temp	0.13587	-0.03969	1.00000	0.11528	-0.11677	-0.17102	-0.34885	0.07900	-0.13963	0.25584	0.13963
	0.6159	0.8928		0.6707	0.6785	0.5422	0.2025	0.7796	0.6197	0.3574	0.6197
	16	14	16	16	15	15	15	15	15	15	15
CPG	0.38182	0.77421	0.11528	1.00000	-0.10202	-0.07151	-0.01443	-0.07239	0.17908	-0.08493	-0.33149
	0.1445	0.0012	0.6707		0.7175	0.8001	0.9593	0.7976	0.5231	0.7635	0.2274
	16	14	16	16	15	15	15	15	15	15	15
PTton	-0.47161	-0.19028	-0.11677	-0.10202	1.00000	0.95707	0.57674	0.23235	-0.25201	0.00000	0.34674
Schmerzsch	0.0759	0.5335	0.6785	0.7175		<.0001	0.0244	0.4047	0.3649	1.0000	0.2055
	15	13	15	15	15	15	15	15	15	15	15
PTadj	-0.40595	-0.14445	-0.17102	-0.07151	0.95707	1.00000	0.62096	0.09294	-0.24665	0.01970	0.33244
Schmerzsch	0.1333	0.6378	0.5422	0.8001	<.0001		0.0135	0.7418	0.3755	0.9445	0.2260
	15	13	15	15	15	15	15	15	15	15	15
PTlim	-0.34525	0.09484	-0.34885	-0.01443	0.57674	0.62096	1.00000	0.26331	-0.00541	-0.35593	-0.04869
Schmerzsch	0.2075	0.7579	0.2025	0.9593	0.0244	0.0135		0.3430	0.9847	0.1929	0.8632
	15	13	15	15	15	15	15	15	15	15	15
dt_level	-0.37880	0.13315	0.07900	-0.07239	0.23235	0.09294	0.26331	1.00000	0.22143	-0.72093	-0.26071
Delta-T La	0.1638	0.6645	0.7796	0.7976	0.4047	0.7418	0.3430		0.4277	0.0024	0.3480
	15	13	15	15	15	15	15	15	15	15	15
dt_slope	0.18293	0.53539	-0.13963	0.17908	-0.25201	-0.24665	-0.00541	0.22143	1.00000	-0.22361	-0.88929
Delta-T St	0.5140	0.0594	0.6197	0.5231	0.3649	0.3755	0.9847	0.4277		0.4230	<.0001
	15	13	15	15	15	15	15	15	15	15	15
de_level	0.11384	-0.18334	0.25584	-0.08493	0.00000	0.01970	-0.35593	-0.72093	-0.22361	1.00000	0.40429
Delta-E La	0.6862	0.5488	0.3574	0.7635	1.0000	0.9445	0.1929	0.0024	0.4230		0.1350
	15	13	15	15	15	15	15	15	15	15	15

de_slope	-0.10902	-0.58255	0.13963	-0.33149	0.34674	0.33244	-0.04869	-0.26071	-0.88929	0.40429	1.00000
Delta-E St	0.6989	0.0367	0.6197	0.2274	0.2055	0.2260	0.8632	0.3480	<.0001	0.1350	
	15	13	15	15	15	15	15	15	15	15	15

Stichprobe / Geschlecht=FMS_F

The CORR Procedure

12 Variables: FSS_KAT FSS_KON FABQ_VAK PDI_SUM MPI_unt PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
FSS_KAT	17	18.23529	9.43086	18.00000	2.00000	37.00000
FSS_KON	18	27.16667	8.99837	28.50000	9.00000	41.00000
FABQ_VAK	18	14.22222	6.32972	16.50000	0	25.00000
PDI_SUM	14	33.35714	15.40034	26.00000	15.00000	58.00000
MPI_unt	14	3.61905	1.44327	3.50000	1.00000	5.66667
PTton	16	43.54500	2.03581	43.52500	40.66000	47.44000
PTadj	16	43.63438	2.04881	43.70000	40.82000	47.82000
PTlim	16	43.61250	2.39357	43.05000	40.90000	49.70000
dt_level	16	-0.11536	0.37571	-0.05556	-1.05889	0.41444
dt_slope	16	-0.22028	0.39083	-0.08052	-1.39667	0.29339
de_level	15	0.25218	0.21303	0.22111	-0.06667	0.72222
de_slope	15	0.27982	0.23389	0.26870	-0.05493	0.60188

	FSS_KAT	FSS_KON	FABQ_VAK	PDI_SUM	MPI_unt	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
FSS_KAT	1.00000	-0.54702	-0.25817	0.07930	-0.19310	-0.05009	-0.00537	0.06088	0.20036	0.39893	-0.73128	-0.57269
		0.0231	0.3171	0.7876	0.5273	0.8593	0.9848	0.8294	0.4740	0.1408	0.0030	0.0323
	17	17	17	14	13	15	15	15	15	15	14	14
FSS_KON	-0.54702	1.00000	0.23077	-0.33407	0.34071	-0.12979	-0.17343	0.19926	-0.37906	-0.08997	0.66786	0.34199
	0.0231		0.3569	0.2431	0.2332	0.6319	0.5206	0.4594	0.1476	0.7404	0.0065	0.2122
	17	18	18	14	14	16	16	16	16	16	15	15
FABQ_VAK	-0.25817	0.23077	1.00000	-0.12390	-0.17980	0.72674	0.70289	0.32299	-0.23043	0.15953	0.52999	0.22023
	0.3171	0.3569		0.6730	0.5385	0.0014	0.0024	0.2224	0.3906	0.5551	0.0421	0.4303
	17	18	18	14	14	16	16	16	16	16	15	15
PDI_SUM	0.07930	-0.33407	-0.12390	1.00000	0.41930	-0.07703	-0.08540	-0.38017	0.04127	0.26135	-0.34326	-0.23818
	0.7876	0.2431	0.6730		0.1748	0.8025	0.7815	0.2001	0.8935	0.3884	0.2747	0.4560
	14	14	14	14	12	13	13	13	13	13	12	12
MPI_unt	-0.19310	0.34071	-0.17980	0.41930	1.00000	-0.42807	-0.47452	-0.26362	-0.24912	-0.15439	0.14612	0.02740
	0.5273	0.2332	0.5385	0.1748		0.1651	0.1191	0.4077	0.4349	0.6319	0.6681	0.9363
	13	14	14	12	14	12	12	12	12	12	11	11
PTton	-0.05009	-0.12979	0.72674	-0.07703	-0.42807	1.00000	0.97277	0.49448	0.03529	0.08235	0.06071	0.06429
Schmerzsch	0.8593	0.6319	0.0014	0.8025	0.1651		<.0001	0.0515	0.8968	0.7617	0.8298	0.8199
	15	16	16	13	12	16	16	16	16	16	15	15
PTadj	-0.00537	-0.17343	0.70289	-0.08540	-0.47452	0.97277	1.00000	0.41900	-0.02355	0.08683	0.03217	0.01609
Schmerzsch	0.9848	0.5206	0.0024	0.7815	0.1191	<.0001		0.1062	0.9310	0.7492	0.9094	0.9546
	15	16	16	13	12	16	16	16	16	16	15	15
PTlim	0.06088	0.19926	0.32299	-0.38017	-0.26362	0.49448	0.41900	1.00000	0.41354	0.12509	-0.21984	-0.14298
Schmerzsch	0.8294	0.4594	0.2224	0.2001	0.4077	0.0515	0.1062		0.1113	0.6444	0.4311	0.6112
	15	16	16	13	12	16	16	16	16	16	15	15
dt_level	0.20036	-0.37906	-0.23043	0.04127	-0.24912	0.03529	-0.02355	0.41354	1.00000	0.15882	-0.60714	-0.33571
Delta-T La	0.4740	0.1476	0.3906	0.8935	0.4349	0.8968	0.9310	0.1113		0.5569	0.0164	0.2212
	15	16	16	13	12	16	16	16	16	16	15	15
dt_slope	0.39893	-0.08997	0.15953	0.26135	-0.15439	0.08235	0.08683	0.12509	0.15882	1.00000	-0.45357	-0.72857
Delta-T St	0.1408	0.7404	0.5551	0.3884	0.6319	0.7617	0.7492	0.6444	0.5569		0.0895	0.0021
	15	16	16	13	12	16	16	16	16	16	15	15

de_level	-0.73128	0.66786	0.52999	-0.34326	0.14612	0.06071	0.03217	-0.21984	-0.60714	-0.45357	1.00000	0.73929
Delta-E La	0.0030	0.0065	0.0421	0.2747	0.6681	0.8298	0.9094	0.4311	0.0164	0.0895		0.0016
	14	15	15	12	11	15	15	15	15	15	15	15
de_slope	-0.57269	0.34199	0.22023	-0.23818	0.02740	0.06429	0.01609	-0.14298	-0.33571	-0.72857	0.73929	1.00000
Delta-E St	0.0323	0.2122	0.4303	0.4560	0.9363	0.8199	0.9546	0.6112	0.2212	0.0021	0.0016	
	14	15	15	12	11	15	15	15	15	15	15	15

Stichprobe / Geschlecht=URS_M
The CORR Procedure
12 Variables: FSS_KAT FSS_KON FABQ_VAK PDI_SUM MPI_unt PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
FSS_KAT	11	21.18182	11.77131	24.00000	1.00000	38.00000
FSS_KON	11	26.36364	7.60622	28.00000	14.00000	36.00000
FABQ_VAK	11	17.18182	6.01362	18.00000	6.00000	27.00000
PDI_SUM	10	30.80000	15.92901	30.00000	8.00000	57.00000
MPI_unt	11	4.30303	1.44110	5.00000	2.00000	5.66667
PTton	11	44.22909	1.17719	44.11000	42.12000	46.13000
PTadj	11	43.84636	1.42581	43.53000	41.90000	46.06000
PTlim	11	45.76364	1.65486	46.50000	42.60000	48.10000
dt_level	11	0.14327	0.41063	0.17889	-0.79000	0.63375
dt_slope	11	-0.29618	0.29827	-0.15512	-0.71617	0.17471
de_level	11	0.11244	0.21081	0.03125	-0.13778	0.44444
de_slope	11	0.25886	0.23340	0.17003	0.00787	0.84372

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	FSS_KAT	FSS_KON	FABQ_VAK	PDI_SUM	MPI_unt	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
FSS_KAT	1.00000	0.15790	0.67352	0.77812	0.03241	-0.21005	-0.38269	-0.59817	0.27791	0.05467	-0.59681	-0.65604
		0.6429	0.0231	0.0080	0.9246	0.5353	0.2454	0.0519	0.4080	0.8732	0.0526	0.0284
	11	11	11	10	11	11	11	11	11	11	11	11
FSS_KON	0.15790	1.00000	0.08696	0.53660	-0.71234	-0.06636	0.01827	0.42792	-0.39726	0.29224	0.14612	0.10502
	0.6429		0.7993	0.1098	0.0139	0.8463	0.9575	0.1892	0.2263	0.3832	0.6681	0.7586
	11	11	11	10	11	11	11	11	11	11	11	11
FABQ_VAK	0.67352	0.08696	1.00000	0.49848	0.09492	-0.26484	-0.32802	-0.69635	0.17768	-0.25057	-0.22779	-0.62870
	0.0231	0.7993		0.1425	0.7813	0.4313	0.3247	0.0173	0.6012	0.4574	0.5005	0.0383
	11	11	11	10	11	11	11	11	11	11	11	11
PDI_SUM	0.77812	0.53660	0.49848	1.00000	-0.16052	0.13939	0.05455	-0.15806	0.01818	0.13939	-0.39394	-0.24848
	0.0080	0.1098	0.1425		0.6578	0.7009	0.8810	0.6628	0.9602	0.7009	0.2600	0.4888
	10	10	10	10	10	10	10	10	10	10	10	10
MPI_unt	0.03241	-0.71234	0.09492	-0.16052	1.00000	0.18289	0.04158	-0.37041	0.06467	-0.49429	0.14321	-0.04620
	0.9246	0.0139	0.7813	0.6578		0.5904	0.9034	0.2621	0.8502	0.1222	0.6744	0.8927
	11	11	11	10	11	11	11	11	11	11	11	11
PTton	-0.21005	-0.06636	-0.26484	0.13939	0.18289	1.00000	0.94761	0.44292	-0.55125	-0.30980	0.39180	0.68337
Schmerzsc	0.5353	0.8463	0.4313	0.7009	0.5904		<.0001	0.1725	0.0788	0.3539	0.2334	0.0204
	11	11	11	10	11	11	11	11	11	11	11	11
PTadj	-0.38269	0.01827	-0.32802	0.05455	0.04158	0.94761	1.00000	0.52848	-0.48182	-0.13636	0.48182	0.74545
Schmerzsc	0.2454	0.9575	0.3247	0.8810	0.9034	<.0001		0.0947	0.1334	0.6893	0.1334	0.0085
	11	11	11	10	11	11	11	11	11	11	11	11
PTlim	-0.59817	0.42792	-0.69635	-0.15806	-0.37041	0.44292	0.52848	1.00000	-0.58770	0.05467	0.50570	0.73804
Schmerzsc	0.0519	0.1892	0.0173	0.6628	0.2621	0.1725	0.0947		0.0573	0.8732	0.1125	0.0095
	11	11	11	10	11	11	11	11	11	11	11	11
dt_level	0.27791	-0.39726	0.17768	0.01818	0.06467	-0.55125	-0.48182	-0.58770	1.00000	0.40000	-0.55455	-0.49091
Delta-T L	0.4080	0.2263	0.6012	0.9602	0.8502	0.0788	0.1334	0.0573		0.2229	0.0767	0.1252
	11	11	11	10	11	11	11	11	11	11	11	11
dt_slope	0.05467	0.29224	-0.25057	0.13939	-0.49429	-0.30980	-0.13636	0.05467	0.40000	1.00000	-0.23636	-0.16364
Delta-T S	0.8732	0.3832	0.4574	0.7009	0.1222	0.3539	0.6893	0.8732	0.2229		0.4841	0.6307
	11	11	11	10	11	11	11	11	11	11	11	11

de_level	-0.59681	0.14612	-0.22779	-0.39394	0.14321	0.39180	0.48182	0.50570	-0.55455	-0.23636	1.00000	0.61818
Delta-E L	0.0526	0.6681	0.5005	0.2600	0.6744	0.2334	0.1334	0.1125	0.0767	0.4841		0.0426
	11	11	11	10	11	11	11	11	11	11	11	11
de_slope	-0.65604	0.10502	-0.62870	-0.24848	-0.04620	0.68337	0.74545	0.73804	-0.49091	-0.16364	0.61818	1.00000
Delta-E S	0.0284	0.7586	0.0383	0.4888	0.8927	0.0204	0.0085	0.0095	0.1252	0.6307	0.0426	
	11	11	11	10	11	11	11	11	11	11	11	11

Stichprobe / Geschlecht=URS_F
The CORR Procedure
12 Variables: FSS_KAT FSS_KON FABQ_VAK PDI_SUM MPI_unt PTton PTadj PTlim dt_level dt_slope de_level de_slope

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
FSS_KAT	14	18.64286	8.60775	19.00000	5.00000	34.00000
FSS_KON	14	31.28571	3.91110	31.50000	23.00000	37.00000
FABQ_VAK	15	14.86667	4.95504	15.00000	8.00000	26.00000
PDI_SUM	14	20.92857	13.39612	22.50000	0	41.00000
MPI_unt	16	2.66667	1.43501	2.83333	0	4.66667
PTton	15	44.57733	1.24909	44.66000	42.68000	46.42000
PTadj	15	44.48133	1.13878	44.69000	42.68000	46.17000
PTlim	15	45.48000	1.66570	45.90000	42.40000	49.00000
dt_level	15	0.00770	0.18879	0.01111	-0.46778	0.33000
dt_slope	15	-0.20649	0.15326	-0.21737	-0.45296	0.00899
de_level	15	0.09904	0.14046	0.06889	-0.16778	0.37556
de_slope	15	0.20911	0.16586	0.20178	-0.00640	0.61872

	FSS_KAT	FSS_KON	FABQ_VAK	PDI_SUM	MPI_unt	PTton	PTadj	PTlim	dt_level	dt_slope	de_level	de_slope
FSS_KAT	1.00000	-0.33704	0.24931	0.17284	0.15299	0.36100	0.44260	0.15288	-0.18509	-0.01657	0.30056	0.37293
		0.2386	0.4114	0.5911	0.6016	0.2256	0.1299	0.6180	0.5449	0.9571	0.3184	0.2095
	14	14	13	12	14	13	13	13	13	13	13	13
FSS_KON	-0.33704	1.00000	-0.03755	0.17254	0.14349	0.16228	0.00693	-0.18847	0.61775	0.06925	-0.14861	-0.13851
	0.2386		0.9031	0.5918	0.6246	0.5963	0.9821	0.5375	0.0245	0.8221	0.6280	0.6518
	14	14	13	12	14	13	13	13	13	13	13	13
FABQ_VAK	0.24931	-0.03755	1.00000	-0.21409	-0.14672	-0.04415	0.05077	-0.52661	-0.13010	0.12128	0.05525	-0.09482
	0.4114	0.9031		0.4825	0.6018	0.8809	0.8631	0.0530	0.6576	0.6796	0.8512	0.7471
	13	13	15	13	15	14	14	14	14	14	14	14
PDI_SUM	0.17284	0.17254	-0.21409	1.00000	0.18764	0.01542	-0.06057	0.28287	0.46205	0.19142	-0.24670	-0.26403
	0.5911	0.5918	0.4825		0.5206	0.9583	0.8370	0.3271	0.0962	0.5121	0.3952	0.3617
	12	12	13	14	14	14	14	14	14	14	14	14
MPI_unt	0.15299	0.14349	-0.14672	0.18764	1.00000	0.34619	0.30135	0.21629	0.11828	-0.45162	0.28636	0.53405
	0.6016	0.6246	0.6018	0.5206		0.2062	0.2751	0.4388	0.6746	0.0911	0.3008	0.0403
	14	14	15	14	16	15	15	15	15	15	15	15
PTton	0.36100	0.16228	-0.04415	0.01542	0.34619	1.00000	0.95707	0.57674	0.23235	-0.25201	0.00000	0.34674
Schmerzse	0.2256	0.5963	0.8809	0.9583	0.2062		<.0001	0.0244	0.4047	0.3649	1.0000	0.2055
	13	13	14	14	15	15	15	15	15	15	15	15
PTadj	0.44260	0.00693	0.05077	-0.06057	0.30135	0.95707	1.00000	0.62096	0.09294	-0.24665	0.01970	0.33244
Schmerzse	0.1299	0.9821	0.8631	0.8370	0.2751	<.0001		0.0135	0.7418	0.3755	0.9445	0.2260
	13	13	14	14	15	15	15	15	15	15	15	15
PTlim	0.15288	-0.18847	-0.52661	0.28287	0.21629	0.57674	0.62096	1.00000	0.26331	-0.00541	-0.35593	-0.04869
Schmerzse	0.6180	0.5375	0.0530	0.3271	0.4388	0.0244	0.0135		0.3430	0.9847	0.1929	0.8632
	13	13	14	14	15	15	15	15	15	15	15	15
dt_level	-0.18509	0.61775	-0.13010	0.46205	0.11828	0.23235	0.09294	0.26331	1.00000	0.22143	-0.72093	-0.26071
Delta-T e	0.5449	0.0245	0.6576	0.0962	0.6746	0.4047	0.7418	0.3430		0.4277	0.0024	0.3480
	13	13	14	14	15	15	15	15	15	15	15	15
dt_slope	-0.01657	0.06925	0.12128	0.19142	-0.45162	-0.25201	-0.24665	-0.00541	0.22143	1.00000	-0.22361	-0.88929
Delta-T i	0.9571	0.8221	0.6796	0.5121	0.0911	0.3649	0.3755	0.9847	0.4277		0.4230	<.0001
	13	13	14	14	15	15	15	15	15	15	15	15

de_level	0.30056	-0.14861	0.05525	-0.24670	0.28636	0.00000	0.01970	-0.35593	-0.72093	-0.22361	1.00000	0.40429
Delta-E e	0.3184	0.6280	0.8512	0.3952	0.3008	1.0000	0.9445	0.1929	0.0024	0.4230		0.1350
	13	13	14	14	15	15	15	15	15	15	15	15
de_slope	0.37293	-0.13851	-0.09482	-0.26403	0.53405	0.34674	0.33244	-0.04869	-0.26071	-0.88929	0.40429	1.00000
Delta-E i	0.2095	0.6518	0.7471	0.3617	0.0403	0.2055	0.2260	0.8632	0.3480	<.0001	0.1350	
	13	13	14	14	15	15	15	15	15	15	15	1

Anhang 16

Vorhersage experimenteller Schmerzparameter durch klinische Schmerzmaße

Inhalt Anhang 16:
Vorhersage experimenteller Schmerzparameter durch klinische Schmerzmaße

Abkürzungen:

SI	„momentane Schmerzintensität - $SI_{momentan}$“
Arztbes.	„Anzahl der Arztbesuche – Arztbesuch.“
SES	„Sensorische Schmerzempfindung – Skala Temperaturwahrnehmung, $SES_{Temp.}$“ der Schmerzempfindungsskala (SES, Geissner 1996)
CPG	"Chronic Pain Grade - CPG“ (von Korff et al. 1992)
FSS_KON	Skala „konstruktives Coping“ des Fragebogens schmerzbezogener Selbstinstruktion (FSS, Flor et al. 1993)
FSS_KAT	Skala „Katastrophisieren“, des Fragebogens schmerzbezogener Selbstinstruktion (FSS, Flor et al. 1993)
FABQ_VAK	Fear Avoidance Belief Questionnaire, Skala „Verursachung durch Aktivität“ (Pfingsten et al. 1997)
PDI	Pain disability Index (PDI, Dillmann et al. 1994)
MPI_unt	wahrgenommene soziale Unterstützung (MPI, Flor et al. 1990)
PTton	„tonische Schmerzschwelle – PT_{ton}“
PTadj	„phasische selbst eingestellte Schmerzschelle – PT_{adj}“
PTlim	„phasische Schmerzschwelle – PT_{lim}“
dt_level	„Levelwert des Sensibilisierungsparameters ΔT – ΔT_{level}“
dt_slope	„Steigungsgradient des Sensibilisierungsparameters ΔT – ΔT_{slope}“
de_level	„Levelwert des Sensibilisierungsparameters ΔS – ΔS_{level}“
de_slope	„Steigungsgradient des Sensibilisierungsparameters ΔS – ΔS_{slope}“
FMS_F	Frauen mit Fibromyalgiesyndrom
URS_F	Frauen mit unspezifischen Rückenschmerzen
URS_M	Männer mit unspezifischen Rückenschmerzen

URS: Vorhersage PTton durch klinische Schmerzparameter

NVOLL
Datensätze= 27

NVOLL
Vollständige Datensätze= 20

URS: Vorhersage PTton durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	_SS	_df	_F	_prob	_R2	_adjR2
1	Intercept	44.6670	.	.	.	.	.	.	.	.	27.7932	19	.	.	0.00000	0.00000
2	SI	45.3709	-0.20113	.	.	.	.	.	.	.	24.9211	18	2.07445	0.16695	0.10334	0.05352
3	SES	44.6843	-0.19586	0.010138	.	.	.	.	.	.	24.4385	17	0.33576	0.56989	0.12070	0.01726
4	FABQ_VAK	45.1809	-0.16528	0.020217	-0.080002	.	.	.	.	.	21.2071	16	2.43797	0.13799	0.23697	0.09390
5	FSS_KAT	45.2439	-0.20320	0.017923	-0.093784	0.023065	.	.	.	.	20.4496	15	0.55563	0.46755	0.26422	0.06802
6	FSS_KON	45.4863	-0.20427	0.020008	-0.095851	0.022301	-0.011379	.	.	.	20.3507	14	0.06798	0.79809	0.26778	0.00627
7	PDI	45.7531	-0.23135	0.016501	-0.095744	0.015078	-0.014943	0.011534	.	.	20.0719	13	0.18063	0.67778	0.27781	-0.05550
8	Arztbes	45.5500	-0.29818	0.021127	-0.097951	0.020104	-0.015345	-0.004425	0.057281	.	18.1460	12	1.27358	0.28115	0.34711	-0.03375
9	MPI_unt	45.5006	-0.29695	0.021077	-0.097851	0.020471	-0.014319	-0.004988	0.057582	.006329807	18.1451	11	0.00052	0.98220	0.34714	-0.12767

URS: Vorhersage PTadj durch klinische Schmerzparameter

NVOLL
Datensätze= 27

NVOLL
Vollständige Datensätze= 20

URS: Vorhersage PTadj durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	_SS	_df	_F	_prob	_R2	_adjR2
1	Intercept	44.3935	.	.	.	.	.	.	.	.	33.5737	19	.	.	0.00000	0.00000
2	SI	45.1692	-0.22162	.	.	.	.	.	.	.	30.0865	18	2.08630	0.16581	0.10387	0.05408
3	SES	44.4357	-0.21600	0.010829	.	.	.	.	.	.	29.5358	17	0.31695	0.58080	0.12027	0.01677
4	FABQ_VAK	45.1202	-0.17385	0.024720	-0.11026	.	.	.	.	.	23.3976	16	4.19751	0.05725	0.30310	0.17243
5	FSS_KAT	45.1137	-0.16995	0.024956	-0.10884	-.002373259	.	.	.	.	23.3896	15	0.00514	0.94377	0.30334	0.11756
6	FSS_KON	44.8976	-0.16899	0.023097	-0.10700	-.001692200	0.010143	.	.	.	23.3110	14	0.04716	0.83121	0.30568	0.05770
7	PDI	45.1960	-0.19929	0.019174	-0.10688	-.009771578	0.006156	0.012902	.	.	22.9621	13	0.19757	0.66400	0.31607	0.00041
8	Arztbes	44.9087	-0.29382	0.025717	-0.11000	-.002662991	0.005588	-0.009670	0.081021	.	19.1091	12	2.41955	0.14580	0.43083	0.09881
9	MPI_unt	45.7129	-0.31384	0.026541	-0.11163	-.008639507	-0.011112	-0.000502	0.076122	-0.10308	18.8813	11	0.13269	0.72256	0.43761	0.02861

URS: Vorhersage PTlim durch klinische Schmerzparameter
NVOLL
Datensätze= 27

NVOLL
Vollständige Datensätze= 20

URS: Vorhersage PTlim durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	_SS	_df	_F	_prob	_R2	_adjR2
1	Intercept	45.8700	.	.	.	.	.	.	.	.	49.5420	19	.	.	0.00000	0.00000
2	SI	45.7615	0.03099	.	.	.	.	.	.	.	49.4738	18	0.02480	0.87661	0.00138	-0.05410
3	SES	47.5784	0.01706	-0.026824	.	.	.	.	.	.	46.0948	17	1.24621	0.27981	0.06958	-0.03988
4	FABQ_VAK	48.6594	0.08363	-0.004887	-0.17413	.	.	.	.	.	30.7855	16	7.95663	0.01230	0.37860	0.26209
5	FSS_KAT	48.5912	0.12467	-0.002404	-0.15922	-0.024963	.	.	.	.	29.8982	15	0.44517	0.51477	0.39651	0.23558
6	FSS_KON	47.3411	0.13018	-0.013154	-0.14856	-0.021024	0.058667	.	.	.	27.2711	14	1.34865	0.26493	0.44954	0.25294
7	PDI	48.7317	-0.01102	-0.031437	-0.14800	-0.058678	0.040084	0.060128	.	.	19.6913	13	5.00412	0.04344	0.60253	0.41909
8	Arztbes	48.3572	-0.13425	-0.022908	-0.15207	-0.049411	0.039343	0.030704	0.10562	.	13.1440	12	5.97748	0.03088	0.73469	0.57993
9	MPI_unt	49.3972	-0.16014	-0.021843	-0.15417	-0.057141	0.017745	0.042561	0.09928	-0.13331	12.7630	11	0.32834	0.57816	0.74238	0.55502

URS: Vorhersage dt_level durch klinische Schmerzparameter
NVOLL
Datensätze= 27

NVOLL
Vollständige Datensätze= 20

URS: Vorhersage dt_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	_SS	_df	_F	_prob	_R2	_adjR2
1	Intercept	0.09019	.	.	.	.	.	.	.	.	1.76839	19	.	.	0.00000	0.00000
2	SI	0.08858	0.000459	.	.	.	.	.	.	.	1.76838	18	0.00015	0.99030	0.00001	-0.05555
3	SES	-0.08848	0.001816	0.002614157	.	.	.	.	.	.	1.73629	17	0.31421	0.58242	0.01816	-0.09736
4	FABQ_VAK	-0.16345	-0.002802	0.001092585	0.012078	.	.	.	.	.	1.66264	16	0.70872	0.41227	0.05980	-0.11648
5	FSS_KAT	-0.12140	-0.028123	-.000439233	0.002874	0.015403	.	.	.	.	1.32482	15	3.82496	0.06938	0.25084	0.05106
6	FSS_KON	0.02769	-0.028780	0.000842922	0.001603	0.014933	-0.006997	.	.	.	1.28745	14	0.40636	0.53411	0.27197	0.01196
7	PDI	-0.00992	-0.024960	0.001337493	0.001588	0.015952	-0.006494	-.001626515	.	.	1.28190	13	0.05625	0.81622	0.27511	-0.05946
8	Arztbes	0.05014	-0.005198	-.000030413	0.002240	0.014465	-0.006376	0.003092460	-0.016939	.	1.11349	12	1.81490	0.20281	0.37034	0.00303
9	MPI_unt	0.34868	-0.012631	0.000275257	0.001637	0.012247	-0.012575	0.006495763	-0.018757	-0.038266	1.08211	11	0.31908	0.58350	0.38809	-0.05694

URS: Vorhersage dt_slope durch klinische Schmerzparameter

NVOLL

Datensätze= 27

NVOLL

Vollständige Datensätze= 20

URS: Vorhersage dt_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	_SS	df	F	_prob	_R2	_adjR2
1	Intercept	-0.25094	.	.	.	.	.	.	.	.	1.12165	19	.	.	0.00000	0.000000
2	SI	-0.22628	-0.007046	.	.	.	.	.	.	.	1.11813	18	0.05674	0.81441	0.00314	-0.052238
3	SES	-0.67170	-0.003633	.006576306	.	.	.	.	.	.	0.91503	17	3.77319	0.06883	0.18421	0.088234
4	FABQ_VAK	-0.63874	-0.001603	.007245304	-.005310234	.	.	.	.	.	0.90080	16	0.25288	0.62191	0.19690	0.046321
5	FSS_KAT	-0.63565	-0.003461	.007132863	-.005985827	.001130628	.	.	.	.	0.89898	15	0.03037	0.86398	0.19853	-0.015202
6	FSS_KON	-0.83254	-0.002594	.005439748	-.004307079	.001751025	0.009240	.	.	.	0.83381	14	1.09412	0.31328	0.25662	-0.008871
7	PDI	-0.97720	0.012095	.007341674	-.004364799	.005668048	0.011173	-.006254945	.	.	0.75179	13	1.41840	0.25496	0.32975	0.020405
8	Arztbes	-0.99930	0.004821	.007845103	-.004604947	.006214998	0.011129	-.007991664	.006233915	.	0.72898	12	0.37548	0.55147	0.35009	-0.029030

URS: Vorhersage ds_level durch klinische Schmerzparameter

NVOLL

Datensätze= 27

NVOLL

Vollständige Datensätze= 20

URS: Vorhersage ds_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.08395	.	.	.	.	.	.	.	.	0.50355	19	.	.	0.00000	0.00000
2	SI	0.08174	0.000633	.	.	.	.	.	.	.	0.50353	18	0.00102	0.97492	0.00006	-0.05550
3	SES	0.01837	0.001118	.000935576	.	.	.	.	.	.	0.49942	17	0.13992	0.71299	0.00822	-0.10846
4	FABQ_VAK	0.06709	0.004119	.001924275	-.007847883	.	.	.	.	.	0.46832	16	1.06237	0.31801	0.06997	-0.10441
5	FSS_KAT	0.04844	0.015346	.002603465	-.003767026	-.006829457	.	.	.	.	0.40191	15	2.47871	0.13625	0.20186	-0.01098
6	FSS_KON	0.10057	0.015116	.003051735	-.004211493	-.006993714	-.002446314	.	.	.	0.39734	14	0.16095	0.69434	0.21093	-0.07088
7	PDI	0.12048	0.013095	.002789986	-.004203549	-.007532788	-.002712352	0.000860828	.	.	0.39578	13	0.05103	0.82479	0.21402	-0.14874
8	Arztbes	0.12022	0.013009	.002795883	-.004206362	-.007526381	-.002712864	0.000840482	.000073030	.	0.39578	12	0.00009	0.99239	0.21402	-0.24446
9	MPI_unt	-0.35658	0.024881	.002307700	-.003243437	-.003982959	0.007188342	-.004594919	.002977423	0.061114	0.31572	11	2.78949	0.12306	0.37302	-0.08296

URS: Vorhersage ds_slope durch klinische Schmerzparameter

NVOLL
Datensätze= 27

NVOLL
Vollständige Datensätze= 20

URS: Vorhersage ds_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	SI	SES	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.22218	.	.	.	.	.	.	.	.	0.83674	19	.	.	0.00000	0.00000
2	SI	0.19720	0.007136	.	.	.	.	.	.	.	0.83313	18	0.07811	0.78306	0.00432	-0.05099
3	SES	0.24087	0.006801	-.000644729	.	.	.	.	.	.	0.83117	17	0.03993	0.84400	0.00665	-0.11021
4	FABQ_VAK	0.37976	0.015355	0.002174015	-0.022374	.	.	.	.	.	0.57843	16	6.99119	0.01768	0.30871	0.17910
5	FSS_KAT	0.36904	0.021810	0.002564529	-0.020028	-.003926734	.	.	.	.	0.55647	15	0.59183	0.45366	0.33495	0.15761
6	FSS_KON	0.55062	0.021010	0.004125955	-0.021576	-.004498877	-.008521055	.	.	.	0.50105	14	1.54854	0.23378	0.40119	0.18732
7	PDI	0.58894	0.017118	0.003622041	-0.021561	-.005536689	-.009033224	0.001657243	.	.	0.49529	13	0.15113	0.70375	0.40807	0.13487
8	Arztbes	0.58185	0.014783	0.003783701	-0.021638	-.005361053	-.009047268	0.001099551	.002001823	.	0.49294	12	0.05726	0.81492	0.41088	0.06722
9	MPI_unt	0.16558	0.025147	0.003357494	-0.020797	-.002267482	-.000403057	-.003645805	.004537492	0.053355	0.43192	11	1.55417	0.23841	0.48381	0.10840

URS-F: Vorhersage PTton durch klinische Schmerzparameter

NVOLL
Datensätze= 16

NVOLL
Vollständige Datensätze= 10

URS-F: Vorhersage PTton durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	45.0930	.	.	.	.	.	.	10.3216	9	.	.	0.00000	0.00000
2	FABQ_VAK	45.1359	-0.003107	.	.	.	.	.	10.3197	8	0.00148	0.97026	0.00018	-0.12479
3	FSS_KAT	43.6017	0.013067	0.077574	.	.	.	.	7.3932	7	2.77083	0.13994	0.28371	0.07906
4	FSS_KON	41.2742	0.016552	0.093982	0.06276	.	.	.	6.8431	6	0.48234	0.51334	0.33701	0.00552
5	PDI	41.2635	0.017207	0.093294	0.06223	0.001446	.	.	6.8399	5	0.00232	0.96341	0.33732	-0.19282
6	Arztbes	41.0805	-0.006396	0.082833	0.08351	-0.010889	0.04723	.	6.5534	4	0.17487	0.69729	0.36508	-0.42857
7	MPI_unt	39.6127	-0.009684	0.088360	0.10276	-0.071108	0.13117	0.57617	4.1106	3	1.78278	0.27408	0.60175	-0.19476

URS-F: Vorhersage PTadj durch klinische Schmerzparameter
NVOLL
Datensätze= 16

NVOLL
Vollständige Datensätze= 10
URS-F: Vorhersage PTadj durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	44.9090	.	.	.	.	.	.	8.03969	9	.	.	0.00000	0.00000
2	FABQ_VAK	44.9077	0.000091	.	.	.	.	.	8.03969	8	0.00000	0.99901	0.00000	-0.12500
3	FSS_KAT	43.6835	0.012997	0.061900	.	.	.	.	6.17632	7	2.11187	0.18947	0.23177	0.01228
4	FSS_KON	42.3242	0.015033	0.071483	0.036654	.	.	.	5.98868	6	0.18799	0.67975	0.25511	-0.11733
5	PDI	42.3151	0.015590	0.070897	0.036203	0.001231	.	.	5.98637	5	0.00193	0.96670	0.25540	-0.34028
6	Arztbes	41.9631	-0.029815	0.050774	0.077137	-0.022498	0.09085	.	4.92611	4	0.86093	0.40600	0.38728	-0.37863
7	MPI_unt	40.9230	-0.032145	0.054691	0.090781	-0.065173	0.15034	0.40831	3.69934	3	0.99486	0.39207	0.53986	-0.38041

URS-F: Vorhersage PTlim durch klinische Schmerzparameter
NVOLL
Datensätze= 16
NVOLL
Vollständige Datensätze= 10
URS-F: Vorhersage PTlim durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	46.0600	.	.	.	.	.	.	22.2040	9	.	.	0.00000	0.00000
2	FABQ_VAK	48.0350	-0.14312	.	.	.	.	.	18.1566	8	1.78331	0.21849	0.18228	0.08007
3	FSS_KAT	47.1418	-0.13370	0.045164	.	.	.	.	17.1647	7	0.40453	0.54498	0.22696	0.00609
4	FSS_KON	48.2110	-0.13530	0.037626	-0.028830	.	.	.	17.0486	6	0.04085	0.84650	0.23218	-0.15172
5	PDI	47.8511	-0.11329	0.014464	-0.046647	0.048607	.	.	13.4543	5	1.33574	0.30001	0.39406	-0.09069
6	Arztbes	46.9940	-0.22385	-0.034537	0.053033	-0.009177	0.22123	.	7.1672	4	3.50885	0.13433	0.67721	0.27373
7	MPI_unt	46.6067	-0.22472	-0.033079	0.058114	-0.025069	0.24338	0.15205	6.9970	3	0.07294	0.80461	0.68487	0.05462

URS-F: Vorhersage dt_level durch klinische Schmerzparameter

NVOLL

Datensätze= 16

NVOLL

Vollständige Datensätze= 10

URS-F: Vorhersage dt_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.06556	.	.	.	.	.	.	0.15910	9	.	.	0.00000	0.00000
2	FABQ_VAK	0.03390	.002294197	.	.	.	.	.	0.15806	8	0.05264	0.82429	0.00654	-0.11765
3	FSS_KAT	0.04645	.002161796	-.000635012	.	.	.	.	0.15787	7	0.00870	0.92832	0.00777	-0.27572
4	FSS_KON	-0.54975	.003054432	0.003568132	0.016077	.	.	.	0.12177	6	1.77863	0.23071	0.23465	-0.14803
5	PDI	-0.55342	.003279233	0.003331613	0.015895	0.000496352	.	.	0.12139	5	0.01544	0.90596	0.23700	-0.37339
6	Arztbes	-0.56790	.001411311	0.002503777	0.017579	-.000479850	0.003737	.	0.11960	4	0.06001	0.81853	0.24828	-0.69136
7	MPI_unt	-0.76728	.000964697	0.003254578	0.020194	-.008659591	0.015140	0.078264	0.07453	3	1.81429	0.27071	0.53157	-0.40529

URS-F: Vorhersage dt_slope durch klinische Schmerzparameter

NVOLL

Datensätze= 16

NVOLL

Vollständige Datensätze= 10

URS-F: Vorhersage dt_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	-0.18379	.	.	.	.	.	.	0.19463	9	.	.	0.00000	0.00000
2	FABQ_VAK	-0.36720	0.013290	.	.	.	.	.	0.15973	8	1.74805	0.22267	0.17932	0.07674
3	FSS_KAT	-0.38806	0.013510	0.001054879	.	.	.	.	0.15919	7	0.02380	0.88176	0.18210	-0.05158
4	FSS_KON	-0.14366	0.013144	-.000668130	-.006590409	.	.	.	0.15312	6	0.23769	0.64318	0.21327	-0.18010
5	PDI	-0.17572	0.015106	-.002731904	-.008177877	.004330975	.	.	0.12459	5	1.14520	0.33347	0.35988	-0.15221
6	Arztbes	-0.21872	0.009559	-.005190322	-.003176917	.001431954	0.011099	.	0.10876	4	0.58200	0.48804	0.44119	-0.25733
7	MPI_unt	-0.09481	0.009836	-.005656955	-.004802277	.006515772	0.004012	-0.048642	0.09135	3	0.57174	0.50452	0.53064	-0.40808

URS-F: Vorhersage ds_level durch klinische Schmerzparameter
NVOLL

Datensätze= 16

NVOLL
Vollständige Datensätze= 10
URS-F: Vorhersage ds_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.07767	.	.	.	.	.	.	0.11259	9	.	.	0.00000	0.00000
2	FABQ_VAK	0.15854	-.005860324	.	.	.	.	.	0.10580	8	0.51313	0.49417	0.06027	-0.05719
3	FSS_KAT	0.01879	-.004387067	0.007066	.	.	.	.	0.08152	7	2.08483	0.19199	0.27593	0.06905
4	FSS_KON	-0.22059	-.004028652	0.008754	0.006455217	.	.	.	0.07570	6	0.46124	0.52236	0.32762	-0.00858
5	PDI	-0.22015	-.004056030	0.008782	0.006477374	-.000060449	.	.	0.07570	5	0.00037	0.98545	0.32767	-0.21020
6	Arztbes	-0.14774	0.005285218	0.012922	-.001944099	0.004821419	-0.018690	.	0.03082	4	5.82397	0.07329	0.72625	0.38406
7	MPI_unt	-0.15158	0.005276618	0.012937	-.001893744	0.004663919	-0.018471	.001506959	0.03080	3	0.00163	0.97036	0.72640	0.17919

URS-F: Vorhersage ds_slope durch klinische Schmerzparameter
NVOLL
Datensätze= 16

NVOLL
Vollständige Datensätze= 10
URS-F: Vorhersage ds_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.19707	.	.	.	.	.	.	0.29409	9	.	.	0.00000	0.00000
2	FABQ_VAK	0.39886	-0.014623	.	.	.	.	.	0.25184	8	1.34215	0.28007	0.14367	0.03662
3	FSS_KAT	0.23399	-0.012884	0.008336	.	.	.	.	0.21805	7	1.08496	0.33222	0.25858	0.04675
4	FSS_KON	-0.27766	-0.012118	0.011943	0.013797	.	.	.	0.19146	6	0.83309	0.39657	0.34898	0.02346
5	PDI	-0.26251	-0.013045	0.012918	0.014546	-.002045286	.	.	0.18510	5	0.17191	0.69561	0.37061	-0.13289
6	Arztbes	-0.14922	0.001571	0.019395	0.001370	0.005593016	-0.029243	.	0.07524	4	5.84055	0.07302	0.74417	0.42438
7	MPI_unt	-0.31126	0.001208	0.020006	0.003495	-.001054645	-0.019977	0.063605	0.04547	3	1.96408	0.25562	0.84539	0.53617

URS-M: Vorhersage PTton durch klinische Schmerzparameter

NVOLL

Datensätze= 11

NVOLL

Vollständige Datensätze= 10

URS-M: Vorhersage PTton durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	44.2410	.	.	.	.	.	.	13.8421	9	.	.	0.00000	0.00000
2	FABQ_VAK	45.4644	-0.068347	.	.	.	.	.	12.4178	8	0.91757	0.36616	0.10290	-0.00924
3	FSS_KAT	45.4626	-0.067236	-0.00085	.	.	.	.	12.4172	7	0.00035	0.98553	0.10294	-0.15336
4	FSS_KON	45.7714	-0.063923	0.00002	-0.01492	.	.	.	12.3003	6	0.05703	0.81920	0.11139	-0.33292
5	PDI	47.0225	-0.052369	-0.09940	-0.12805	0.11622	.	.	4.9450	5	7.43698	0.04142	0.64275	0.35696
6	Arztbes	46.7821	-0.023733	-0.10119	-0.14748	0.10940	0.040940	.	4.6087	4	0.29188	0.61769	0.66705	0.25086
7	MPI_unt	46.2418	-0.027122	-0.09682	-0.13426	0.10492	0.040871	0.072011	4.5565	3	0.03440	0.86469	0.67082	0.01247

URS-M: Vorhersage PTadj durch klinische Schmerzparameter

NVOLL

Datensätze= 11

NVOLL

Vollständige Datensätze= 10

URS-M: Vorhersage PTadj durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	43.8780	.	.	.	.	.	.	20.2192	9	.	.	0.00000	0.00000
2	FABQ_VAK	45.8231	-0.10867	.	.	.	.	.	16.6189	8	1.73311	0.22448	0.17806	0.07532
3	FSS_KAT	45.7716	-0.07780	-0.02363	.	.	.	.	16.1354	7	0.20972	0.66086	0.20197	-0.02604
4	FSS_KON	45.1201	-0.08479	-0.02547	0.031492	.	.	.	15.6149	6	0.20001	0.67040	0.22772	-0.15842
5	PDI	46.4198	-0.07279	-0.12876	-0.086027	0.12074	.	.	7.6770	5	5.16994	0.07210	0.62031	0.31656
6	Arztbes	46.2846	-0.05668	-0.12976	-0.096954	0.11690	0.023026	.	7.5706	4	0.05621	0.82424	0.62557	0.15754
7	MPI_unt	45.1933	-0.06353	-0.12093	-0.070268	0.10785	0.022888	0.14546	7.3574	3	0.08693	0.78734	0.63612	-0.09165

URS-M: Vorhersage PTlim durch klinische Schmerzparameter

NVOLL

Datensätze= 11

NVOLL

Vollständige Datensätze= 10

URS-M: Vorhersage PTlim durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	45.6800	.	.	.	.	.	.	26.6160	9	.	.	0.00000	0.00000
2	FABQ_VAK	49.6146	-0.21981	.	.	.	.	.	11.8843	8	9.9167	0.01362	0.55349	0.49767
3	FSS_KAT	49.5182	-0.16197	-0.044286	.	.	.	.	10.1868	7	1.1665	0.31592	0.61727	0.50792
4	FSS_KON	46.8495	-0.19060	-0.051809	0.12898	.	.	.	1.4552	6	36.0010	0.00096	0.94533	0.91799
5	PDI	47.2587	-0.18682	-0.084324	0.09199	0.038010	.	.	0.6686	5	5.8834	0.05971	0.97488	0.95479
6	Arztbes	47.3557	-0.19838	-0.083602	0.09983	0.040762	-0.016525	.	0.6138	4	0.3571	0.58230	0.97694	0.94812
7	MPI_unt	47.2107	-0.19929	-0.082429	0.10337	0.039560	-0.016544	0.019324	0.6100	3	0.0185	0.90042	0.97708	0.93124

URS-M: Vorhersage dt_level durch klinische Schmerzparameter

NVOLL

Datensätze= 11

NVOLL

Vollständige Datensätze= 10

URS-M: Vorhersage dt_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	prob	_R2	_adjR2
1	Intercept	0.11482	.	.	.	.	.	.	1.59716	9	.	.	0.00000	0.00000
2	FABQ_VAK	-0.24867	0.020307	.	.	.	.	.	1.47143	8	0.68357	0.43233	0.07872	-0.03644
3	FSS_KAT	-0.20078	-0.008418	0.021994	.	.	.	.	1.05271	7	2.78424	0.13913	0.34088	0.15256
4	FSS_KON	0.19963	-0.004123	0.023123	-0.019353	.	.	.	0.85615	6	1.37758	0.28499	0.46396	0.19594
5	PDI	0.13102	-0.004756	0.028576	-0.013149	-.006373765	.	.	0.83403	5	0.13261	0.73063	0.47781	0.06005
6	Arztbes	0.29301	-0.024049	0.029781	-0.000061	-.001779467	-0.027581	.	0.68139	4	0.89604	0.39745	0.57337	0.04009
7	MPI_unt	1.28686	-0.017813	0.021737	-0.024366	0.006465517	-0.027455	-0.13248	0.50454	3	1.05152	0.38062	0.68410	0.05230

URS-M: Vorhersage dt_slope durch klinische Schmerzparameter

NVOLL
Datensätze= 11

NVOLL
Vollständige Datensätze= 10
URS-M: Vorhersage dt_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	-0.31809	.	.	.	.	.	.	0.83683	9	.	.	0.00000	0.00000
2	FABQ_VAK	-0.38726	0.003864	.	.	.	.	.	0.83228	8	0.04376	0.83953	0.00544	-0.11888
3	FSS_KAT	-0.37243	-0.005032	0.006812	.	.	.	.	0.79212	7	0.35493	0.57009	0.05344	-0.21701
4	FSS_KON	-0.71323	-0.008688	0.005851	0.016472	.	.	.	0.64972	6	1.31503	0.29515	0.22360	-0.16460
5	PDI	-0.94808	-0.010857	0.024514	0.037706	-0.021817	.	.	0.39055	5	3.31791	0.12816	0.53330	0.15993
6	Arztbes	-0.82717	-0.025257	0.025414	0.047475	-0.018387	-0.020587	.	0.30551	4	1.11342	0.35086	0.63492	0.17857
7	MPI_unt	-0.70400	-0.024485	0.024417	0.044463	-0.017365	-0.020571	-0.016419	0.30280	3	0.02691	0.88012	0.63816	-0.08551

URS-M: Vorhersage ds_level durch klinische Schmerzparameter
NVOLL
Datensätze= 11

NVOLL
Vollständige Datensätze= 10
URS-M: Vorhersage ds_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.09024	.	.	.	.	.	.	0.39018	9	.	.	-0.00000	-0.00000
2	FABQ_VAK	0.23667	-0.008180	.	.	.	.	.	0.36977	8	0.44143	0.52512	0.05229	-0.06617
3	FSS_KAT	0.20664	0.009828	-0.013789	.	.	.	.	0.20520	7	5.61394	0.04965	0.47408	0.32381
4	FSS_KON	0.12332	0.008934	-0.014024	0.004026959	.	.	.	0.19669	6	0.25963	0.62856	0.49589	0.24384
5	PDI	0.23414	0.009958	-0.022830	-.005993117	0.010295	.	.	0.13898	5	2.07605	0.20919	0.64379	0.35883
6	Arztbes	0.22043	0.011590	-0.022932	-.007100809	0.009906	.002334304	.	0.13789	4	0.03172	0.86731	0.64660	0.20484
7	MPI_unt	-0.43865	0.007456	-0.017598	0.009017148	0.004438	.002250884	0.087858	0.06012	3	3.88100	0.14344	0.84592	0.53776

URS-M: Vorhersage ds_slope durch klinische Schmerzparameter

NVOLL

Datensätze= 11

NVOLL

Vollständige Datensätze= 10

URS-M: Vorhersage ds_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.24729	.	.	.	.	.	.	0.53004	9	.	.	-0.00000	-0.00000
2	FABQ_VAK	0.81424	-0.031674	.	.	.	.	.	0.22416	8	10.9167	0.01079	0.57709	0.52423
3	FSS_KAT	0.80144	-0.023991	-0.005882	.	.	.	.	0.19421	7	1.0795	0.33336	0.63360	0.52891
4	FSS_KON	0.81900	-0.023803	-0.005833	-0.000849	.	.	.	0.19383	6	0.0117	0.91734	0.63431	0.45147
5	PDI	1.00580	-0.022078	-0.020677	-0.017738	0.017352	.	.	0.02988	5	27.4336	0.00336	0.94362	0.89852
6	Arztbes	0.97198	-0.018051	-0.020928	-0.020470	0.016393	.005757441	.	0.02323	4	1.1453	0.34482	0.95617	0.90139
7	MPI_unt	1.08754	-0.017326	-0.021864	-0.023296	0.017352	.005772067	-0.015405	0.02084	3	0.3442	0.59863	0.96068	0.88205

FMS-F: Vorhersage PTton durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 10

FMS-F: Vorhersage PTton durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	43.5940	.	.	.	.	.	.	44.7488	9	.	.	0.00000	0.00000
2	FABQ_VAK	40.3494	0.22532	.	.	.	.	.	20.0555	8	9.8500	0.01384	0.55182	0.49580
3	FSS_KAT	38.9822	0.25329	0.05213	.	.	.	.	18.8368	7	0.4529	0.52256	0.57905	0.45878
4	FSS_KON	34.8865	0.27705	0.10530	0.08993	.	.	.	17.3208	6	0.5251	0.49593	0.61293	0.41940
5	PDI	36.6744	0.26719	0.09509	0.06199	-0.01864	.	.	16.9183	5	0.1190	0.74420	0.62193	0.31947
6	Arztbes	31.7610	0.28126	0.14306	0.19138	0.00734	-0.083478	.	8.3764	4	4.0791	0.11354	0.81281	0.57883
7	MPI_unt	10.8806	0.20324	0.14680	0.93681	0.28333	-0.044052	-2.95006	1.5287	3	13.4386	0.03510	0.96584	0.89752

FMS-F: Vorhersage PTadj durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 10

FMS-F: Vorhersage PTadj durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	43.6150	.	.	.	.	.	.	46.5051	9	.	.	0.00000	0.00000
2	FABQ_VAK	40.4416	0.22037	.	.	.	.	.	22.8831	8	8.2583	0.02071	0.50794	0.44644
3	FSS_KAT	38.8817	0.25229	0.05948	.	.	.	.	21.2967	7	0.5214	0.49364	0.54206	0.41121
4	FSS_KON	33.6398	0.28270	0.12753	0.11510	.	.	.	18.8135	6	0.7920	0.40777	0.59545	0.39318
5	PDI	35.6311	0.27172	0.11616	0.08397	-0.02076	.	.	18.3141	5	0.1363	0.72708	0.60619	0.29114
6	Arztbes	30.6986	0.28585	0.16431	0.21388	0.00532	-0.083804	.	9.7053	4	3.5481	0.13272	0.79131	0.53044
7	MPI_unt	8.0848	0.20135	0.16836	1.02119	0.30422	-0.041106	-3.19495	1.6735	3	14.3983	0.03212	0.96401	0.89204

FMS-F: Vorhersage PTlim durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 10

FMS-F: Vorhersage PTlim durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	44.2400	.	.	.	.	.	.	71.9240	9	.	.	0.00000	0.00000
2	FABQ_VAK	41.7875	0.17031	.	.	.	.	.	57.8153	8	1.95224	0.19988	0.19616	0.09568
3	FSS_KAT	42.1061	0.16379	-0.01215	.	.	.	.	57.7491	7	0.00802	0.93113	0.19708	-0.03232
4	FSS_KON	33.6354	0.21294	0.09782	0.18599	.	.	.	51.2646	6	0.75894	0.41715	0.28724	-0.06914
5	PDI	41.2111	0.17117	0.05456	0.06759	-0.07897	.	.	44.0376	5	0.82055	0.40655	0.38772	-0.10210
6	Arztbes	34.8505	0.18938	0.11666	0.23510	-0.04534	-0.10807	.	29.7224	4	1.92652	0.23745	0.58675	0.07019
7	MPI_unt	14.0194	0.11154	0.12039	0.97877	0.23000	-0.06873	-2.94308	22.9070	3	0.89257	0.41448	0.68151	0.04453

FMS-F: Vorhersage dt_level durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 10

FMS-F: Vorhersage dt_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	-0.01035	.	.	.	.	.	.	0.58902	9	.	.	0.00000	0.00000
2	FABQ_VAK	0.01127	-0.001501	.	.	.	.	.	0.58792	8	0.01491	0.90581	0.00186	-0.12291
3	FSS_KAT	0.04553	-0.002202	-0.001306	.	.	.	.	0.58716	7	0.00912	0.92659	0.00316	-0.28165
4	FSS_KON	1.29714	-0.009464	-0.017555	-0.02748	.	.	.	0.44559	6	1.90633	0.21660	0.24351	-0.13473
5	PDI	2.19470	-0.014413	-0.022681	-0.04151	-0.009356	.	.	0.34414	5	1.47397	0.27893	0.41575	-0.05166
6	Arztbes	2.33985	-0.014828	-0.024098	-0.04533	-0.010123	0.002466238	.	0.33668	4	0.08858	0.78081	0.42840	-0.28609
7	MPI_unt	5.64982	-0.002460	-0.024691	-0.16350	-0.053873	-.003783510	0.46764	0.16461	3	3.13604	0.17471	0.72054	0.16161

FMS-F: Vorhersage dt_slope durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 10

FMS-F: Vorhersage dt_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	-0.11341	.	.	.	.	.	.	0.46207	9	.	.	0.00000	0.00000
2	FABQ_VAK	-0.29903	0.012890	.	.	.	.	.	0.38125	8	1.69584	0.22907	0.17490	0.07177
3	FSS_KAT	-0.77926	0.022716	0.018311	.	.	.	.	0.23090	7	4.55815	0.07015	0.50029	0.35752
4	FSS_KON	-1.83517	0.028842	0.032019	0.023185	.	.	.	0.13014	6	4.64557	0.07455	0.71836	0.57754
5	PDI	-1.26382	0.025691	0.028756	0.014255	-.005955585	.	.	0.08903	5	2.30862	0.18913	0.80732	0.65318
6	Arztbes	-1.11292	0.025259	0.027283	0.010281	-.006753458	.002563866	.	0.08097	4	0.39803	0.56236	0.82476	0.60571
7	MPI_unt	-1.48779	0.023858	0.027350	0.023663	-.001798620	.003271683	-0.052963	0.07877	3	0.08406	0.79075	0.82954	0.48861

FMS-F: Vorhersage ds_level durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 9

FMS-F: Vorhersage ds_level durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.22906	.	.	.	.	.	.	0.22400	8	.	.	0.00000	0.00000
2	FABQ_VAK	0.07442	0.011134	.	.	.	.	.	0.16662	7	2.41057	0.16446	0.25616	0.14989
3	FSS_KAT	0.48715	0.001586	-0.015562	.	.	.	.	0.07175	6	7.93407	0.03048	0.67970	0.57293
4	FSS_KON	-0.08877	0.002654	-0.009545	0.014100	.	.	.	0.05116	5	2.01177	0.21529	0.77160	0.63456
5	PDI	-0.55488	0.005260	-0.006886	0.021339	0.004896176	.	.	0.02338	4	4.75285	0.09473	0.89562	0.79124
6	Arztbes	-0.34722	0.005124	-0.008706	0.015726	0.004130690	.002483710	.	0.01655	3	1.23889	0.34684	0.92613	0.80301
7	MPI_unt	0.00302	0.006468	-0.008317	0.002730	-.001313345	.001488429	0.058818	0.01433	2	0.30969	0.63383	0.93603	0.74413

FMS-F: Vorhersage ds_slope durch klinische Schmerzparameter

NVOLL

Datensätze= 18

NVOLL

Vollständige Datensätze= 9

FMS-F: Vorhersage ds_slope durch klinische Schmerzparameter

Obs	_BLOCK	_IC	FABQ_VAK	FSS_KAT	FSS_KON	PDI	Arztbes.	MPI_unt	SS	df	F	_prob	_R2	_adjR2
1	Intercept	0.30453	.	.	.	.	.	.	0.43110	8	.	.	0.00000	0.00000
2	FABQ_VAK	0.27537	0.002099	.	.	.	.	.	0.42906	7	0.03329	0.86040	0.00473	-0.13745
3	FSS_KAT	0.95486	-0.013619	-0.025620	.	.	.	.	0.17191	6	8.97489	0.02414	0.60123	0.46830
4	FSS_KON	1.66610	-0.014939	-0.033051	-0.017414	.	.	.	0.14051	5	1.11717	0.33890	0.67405	0.47849
5	PDI	1.03595	-0.011416	-0.029456	-0.007627	0.006619419	.	.	0.08974	4	2.26344	0.20690	0.79184	0.58368
6	Arztbes	0.73174	-0.011215	-0.026789	0.000596	0.007740796	-.003638442	.	0.07507	3	0.58602	0.49968	0.82586	0.53562
7	MPI_unt	1.70034	-0.007498	-0.025713	-0.035346	-.007315275	-.006390999	0.16267	0.05810	2	0.58414	0.52456	0.86522	0.46089

Anhang 17

Komorbiditätsfaktoren als Mediatoren für die Zusammenhänge zwischen klinischen und experimentellen Schmerzmaßen sowie zwischen Cortisolparametern und Schmerzmaßen

Inhalt Anhang 17:

A Beeinflussung der Zusammenhänge zwischen klinischen und experimentellen Schmerzmaßen durch Komorbiditätsfaktoren

B Beeinflussung der Zusammenhänge zwischen Cortisolparametern und klinischen Schmerzmaßen durch Komorbiditätsfaktoren

C Beeinflussung der Zusammenhänge zwischen Cortisolparametern und experimentellen Schmerzmaßen durch Komorbiditätsfaktoren

Vorgehen bei Prüfung von Mediatoreffekten:

Abkürzungen:

IV=	independent variable (X)			
DV=	dependent variable (Y)			
Mediator=	Mediator (Z)			
Path a=	Regressionsmodell IV auf Mediator:			$Z= c + bX$
Path b=	Regressionsmodell IV und Mediator auf DV:			$Y= c + b_1X + b_2Z$
Path c=	Regressionsmodell IV auf DV:			$Y= c + bX$
Pfad a:	a=	Estimate	sa= Standard Error	
Pfad b:	b=	Estimate	sb= Standard Error	
Pfad c:	c=	Estimate	sc= Standard Error	

<u>Variablenabkürzungen:</u>

FMS-F=	Frauen mit Fibromyalgiesyndrom
URS-F=	Frauen mit unspezifischen Rückenschmerzen
URS-M=	Männer mit unspezifischen Rückenschmerzen
KON-F=	Frauen der gesunden Kontrollgruppe
KON-M=	Männer der gesunden Kontrollgruppe
PTton=	tonische Schmerzschwelle
PTlim=	phasische Schmerzschwelle
PTadj=	phasische selbst eingestellte Schmerzschwelle
ΔTslope=	Steigungsgradient Sensibilisierungsparameter ΔT
ΔTlevel=	y-Achsenabschnitt Sensibilisierungsparameter ΔT
ΔSslope=	Steigungsgradient Sensibilisierungsparameter ΔS
ΔSlevel=	y-Achsenabschnitt Sensibilisierungsparameter ΔS
ADS=	Allgemeine Depressionsskala (Hautzinger & Bailer 1993)
STAI-T=	State-Trait Angstinventar – Trait Version (Laux et al. 1981),
GBBB=	Giessener Beschwerdebogen, Skala „Gesamtbeschwerdedruck“ (Brähler & Scheer 1995)
RM/IBS=	Reizmagen oder Reizdarm (Herrschbach 1993)
$FABQ_{VAK}$=	Fear Avoidance Belief Questionnaire (Pfingsten et al. 1997) Skala „Verursachung durch Aktivität“
$FSS_{Katastroph.}$=	Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „Katastrophisieren“
$FSS_{AktivC.}$=	Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „konstruktives Coping“
Arztbes.=	Anzahl der Arztbesuche
$MPI_{Unterstütz.}$=	Multidimensional Pain Inventory (Flor et al. 1990) , Skala „erlebte Unterstützung“,
$SI_{momentan}$=	momentane Schmerzintensität
AMA=	Absoluter Morgenanstieg
CMA=	mittlere Cortisol-Morgenausschüttung
CGA=	mittlere Cortisol-Gesamtausschüttung
AUC=	totale Cortisolausschüttung Area Under the Curve

(Stichprobengröße und Signifikanzniveau in Klammern)

A Beeinflussung der Zusammenhänge zwischen klinischen und experimentellen Schmerzmaßen durch Komorbiditätsfaktoren

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.71289	1.24870	32.60	<.0001
	iv	0.17794	0.06906	2.58	0.0230
	mediator	0.41512	0.95360	0.44	0.6705
Regressing IV on DV	Intercept	40.98412	1.05036	39.02	<.0001
	iv	0.17893	0.06699	2.67	0.0183
Regressing IV on Mediator	Intercept	0.65338	0.30329	2.15	0.0491
	iv	0.00238	0.01934	0.12	0.9037

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0023839	0.0193444	0.4151197	0.9536002	0.1789263	0.0669941

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0488767	0.9610175
GoodmanII	.	.
Sobel	0.1185748	0.9056122

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.55%	0.0055616

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	38.64257	4.70850	8.21	<.0001
	iv	0.18212	0.06912	2.63	0.0206
	mediator	0.02544	0.04979	0.51	0.6180
Regressing IV on DV	Intercept	40.98412	1.05036	39.02	<.0001
	iv	0.17893	0.06699	2.67	0.0183
Regressing IV on Mediator	Intercept	92.04606	5.79285	15.89	<.0001
	iv	-0.12549	0.36948	-0.34	0.7392

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.125489	0.3694793	0.0254388	0.0497918	0.1789263	0.0669941

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.147906	0.8824171
GoodmanII	.	.
Sobel	-0.282841	0.7772985

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(1.78%)	-0.017529

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	36.74631	3.02673	12.14	<.0001
	iv	0.26070	0.08280	3.15	0.0084
	mediator	0.04089	0.03018	1.36	0.2004
Regressing IV on DV	Intercept	40.54457	1.17807	34.42	<.0001
	iv	0.20242	0.07299	2.77	0.0158
Regressing IV on Mediator	Intercept	92.88584	10.49500	8.85	<.0001
	iv	-1.42539	0.65021	-2.19	0.0472

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.425391	0.6502055	0.0408917	0.0301774	0.2024171	0.072986

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.07457	0.2825673
GoodmanII	-1.250611	0.2110765
Sobel	-1.152628	0.2490633

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(28.80%)	-0.223574

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	41.28878	1.93038	21.39	<.0001
	iv	0.17564	0.07152	2.46	0.0289
	mediator	-0.00372	0.01947	-0.19	0.8514
Regressing IV on DV	Intercept	40.98412	1.05036	39.02	<.0001
	iv	0.17893	0.06699	2.67	0.0183
Regressing IV on Mediator	Intercept	81.87699	14.94063	5.48	<.0001
	iv	-0.88224	0.95294	-0.93	0.3702

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.882235	0.9529433	-0.003721	0.019471	0.1789263	0.0669941

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1285677	0.8976997
GoodmanII	.	.
Sobel	0.1871549	0.8515392

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.83%	0.0186897

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.58925	1.23820	32.78	<.0001
	iv	0.17790	0.06847	2.60	0.0221
	mediator	0.00657	0.01028	0.64	0.5336
Regressing IV on DV	Intercept	40.98412	1.05036	39.02	<.0001
	iv	0.17893	0.06699	2.67	0.0183
Regressing IV on Mediator	Intercept	60.07562	27.90843	2.15	0.0493
	iv	0.15629	1.78005	0.09	0.9313

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.1562887	1.7800549	0.0065728	0.0102779	0.1789263	0.0669941

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.047174	0.9623746
GoodmanII	.	.
Sobel	0.086984	0.9306843

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.57%	0.0057743

FMS-F: Results from regression analysis
DV= PTton, IV= FABQ_VAK, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.10449	1.98991	20.15	<.0001
	iv	0.21132	0.08211	2.57	0.0244
	mediator	0.00005879	0.00020978	0.28	0.7841
Regressing IV on DV	Intercept	40.54457	1.17807	34.42	<.0001
	iv	0.20242	0.07299	2.77	0.0158
Regressing IV on Mediator	Intercept	7485.84462	1615.87306	4.63	0.0005
	iv	-151.41817	100.10957	-1.51	0.1543

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-151.4182	100.10957	0.0000588	0.0002098	0.2024171	0.072986

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.231027	0.8172939
GoodmanII	-0.362634	0.716878
Sobel	-0.275553	0.7828915

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(4.40%)	-0.042124

FMS-F: Results from regression analysis
DV= PTadj, IV= FABQ_VAK, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.63085	1.23924	32.79	<.0001
	iv	0.18051	0.06854	2.63	0.0206
	mediator	0.61086	0.94638	0.65	0.5299
Regressing IV on DV	Intercept	41.02997	1.05134	39.03	<.0001
	iv	0.18197	0.06706	2.71	0.0168
Regressing IV on Mediator	Intercept	0.65338	0.30329	2.15	0.0491
	iv	0.00238	0.01934	0.12	0.9037

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0023839	0.0193444	0.6108587	0.9463762	0.1819672	0.0670566

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0664761	0.9469988
GoodmanII	.	.
Sobel	0.1210481	0.9036529

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.80%	0.0080673

FMS-F: Results from regression analysis
DV= PTadj, IV= FABQ_VAK, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	39.80071	4.74706	8.38	<.0001
	iv	0.18364	0.06968	2.64	0.0206
	mediator	0.01335	0.05020	0.27	0.7944
Regressing IV on DV	Intercept	41.02997	1.05134	39.03	<.0001
	iv	0.18197	0.06706	2.71	0.0168
Regressing IV on Mediator	Intercept	92.04606	5.79285	15.89	<.0001
	iv	-0.12549	0.36948	-0.34	0.7392

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.125489	0.3694793	0.0133548	0.0501997	0.1819672	0.0670566

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.082963	0.9338807
GoodmanII	.	.
Sobel	-0.209434	0.8341096

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.92%)	-0.009126

FMS-F: Results from regression analysis
DV= PTadj, IV= FABQ_VAK, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	36.53154	3.00536	12.16	<.0001
	iv	0.26672	0.08221	3.24	0.0070
	mediator	0.04399	0.02996	1.47	0.1678
Regressing IV on DV	Intercept	40.61719	1.18315	34.33	<.0001
	iv	0.20403	0.07330	2.78	0.0155
Regressing IV on Mediator	Intercept	92.88584	10.49500	8.85	<.0001
	iv	-1.42539	0.65021	-2.19	0.0472

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.425391	0.6502055	0.0439857	0.0299643	0.2040277	0.0733006

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.140555	0.2540553
GoodmanII	-1.318086	0.187475
Sobel	-1.219735	0.2225653

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(30.73%)	-0.235062

FMS-F: Results from regression analysis
DV= PTadj, IV= FABQ_VAK, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.88538	1.93428	21.14	<.0001
	iv	0.18353	0.07166	2.56	0.0237
	mediator	0.00177	0.01951	0.09	0.9293
Regressing IV on DV	Intercept	41.02997	1.05134	39.03	<.0001
	iv	0.18197	0.06706	2.71	0.0168
Regressing IV on Mediator	Intercept	81.87699	14.94063	5.48	<.0001
	iv	-0.88224	0.95294	-0.93	0.3702

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.882235	0.9529433	0.0017659	0.0195104	0.1819672	0.0670566

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.061354	0.9510771
GoodmanII	.	.
Sobel	-0.090082	0.9282224

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.86%)	-0.008489

FMS-F: Results from regression analysis
DV= ptadj, IV= FABQ_VAK, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	40.53665	1.22843	33.00	<.0001
	iv	0.18068	0.06793	2.66	0.0196
	mediator	0.00821	0.01020	0.81	0.4351
Regressing IV on DV	Intercept	41.02997	1.05134	39.03	<.0001
	iv	0.18197	0.06706	2.71	0.0168
Regressing IV on Mediator	Intercept	60.07562	27.90843	2.15	0.0493
	iv	0.15629	1.78005	0.09	0.9313

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.1562887	1.7800549	0.0082117	0.0101968	0.1819672	0.0670566

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0549412	0.9561853
GoodmanII	.	.
Sobel	0.0872827	0.9304468

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.71%	0.007103

FMS-F: Results from regression analysis
DV= ptadj, IV= FABQ_VAK, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	39.88115	1.98686	20.07	<.0001
	iv	0.21892	0.08199	2.67	0.0204
	mediator	0.00009832	0.00020945	0.47	0.6472
Regressing IV on DV	Intercept	40.61719	1.18315	34.33	<.0001
	iv	0.20403	0.07330	2.78	0.0155
Regressing IV on Mediator	Intercept	7485.84462	1615.87306	4.63	0.0005
	iv	-151.41817	100.10957	-1.51	0.1543

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-151.4182	100.10957	0.0000983	0.0002095	0.2040277	0.0733006

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.379083	0.7046261
GoodmanII	-0.578171	0.5631489
Sobel	-0.44833	0.6539147

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(7.30%)	-0.068008

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.59616	0.09522	6.26	<.0001
	iv	-0.01943	0.00494	-3.94	0.0023
	mediator	-0.07578	0.08138	-0.93	0.3717
Regressing IV on DV	Intercept	0.55884	0.08590	6.51	<.0001
	iv	-0.02015	0.00485	-4.15	0.0013
Regressing IV on Mediator	Intercept	0.49248	0.30638	1.61	0.1339
	iv	0.00948	0.01729	0.55	0.5935

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0094833	0.0172939	-0.075784	0.0813842	-0.020145	0.0048485

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.346812	0.7287322
GoodmanII	-1.246497	0.2125821
Sobel	-0.472518	0.6365568

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.57%	0.0369952

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.85407	0.40123	2.13	0.0567
	iv	-0.01832	0.00550	-3.33	0.0067
	mediator	-0.00359	0.00476	-0.75	0.4667
Regressing IV on DV	Intercept	0.55884	0.08590	6.51	<.0001
	iv	-0.02015	0.00485	-4.15	0.0013
Regressing IV on Mediator	Intercept	82.23528	5.30367	15.51	<.0001
	iv	0.50768	0.29937	1.70	0.1157

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.5076848	0.2993716	-0.00359	0.0047616	-0.020145	0.0048485

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.606494	0.5441865
GoodmanII	-0.817808	0.4134671
Sobel	-0.688935	0.4908645

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
9.05%	0.0994745

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.73436	0.14504	5.06	0.0005
	iv	-0.02014	0.00402	-5.01	0.0005
	mediator	-0.00219	0.00194	-1.13	0.2850
Regressing IV on DV	Intercept	0.59183	0.07242	8.17	<.0001
	iv	-0.02081	0.00403	-5.16	0.0003
Regressing IV on Mediator	Intercept	65.03112	11.11549	5.85	0.0001
	iv	0.30575	0.61856	0.49	0.6308

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.3057471	0.6185562	-0.002192	0.0019402	-0.020812	0.00403

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.351708	0.7250575
GoodmanII	-0.774047	0.4389033
Sobel	-0.452836	0.6506668

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.22%	0.0332686

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.55322	0.15934	3.47	0.0052
	iv	-0.02016	0.00508	-3.97	0.0022
	mediator	0.00008424	0.00197	0.04	0.9667
Regressing IV on DV	Intercept	0.55884	0.08590	6.51	<.0001
	iv	-0.02015	0.00485	-4.15	0.0013
Regressing IV on Mediator	Intercept	66.72874	13.12185	5.09	0.0003
	iv	0.23332	0.74068	0.32	0.7582

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.2333224	0.7406772	0.0000842	0.0019735	-0.020145	0.0048485

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.012814	0.9897762
GoodmanII	.	.
Sobel	0.0422971	0.9662619

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.10%)	-0.000975

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.59901	0.09031	6.63	<.0001
	iv	-0.01873	0.00489	-3.83	0.0028
	mediator	-0.00107	0.00087547	-1.23	0.2459
Regressing IV on DV	Intercept	0.55884	0.08590	6.51	<.0001
	iv	-0.02015	0.00485	-4.15	0.0013
Regressing IV on Mediator	Intercept	37.43640	27.74787	1.35	0.2022
	iv	1.31933	1.56626	0.84	0.4161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.3193264	1.566259	-0.001073	0.0008755	-0.020145	0.0048485

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.576117	0.564536
GoodmanII	-0.937853	0.3483199
Sobel	-0.694229	0.4875387

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
7.03%	0.0755946

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_Katastroph., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.66288	0.10676	6.21	0.0001
	iv	-0.02057	0.00407	-5.06	0.0005
	mediator	-0.00001442	0.00001581	-0.91	0.3833
Regressing IV on DV	Intercept	0.59183	0.07242	8.17	<.0001
	iv	-0.02081	0.00403	-5.16	0.0003
Regressing IV on Mediator	Intercept	4927.92661	1391.74141	3.54	0.0046
	iv	16.55747	77.44779	0.21	0.8346

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
16.557471	77.447786	-0.000014	0.0000158	-0.020812	0.00403

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.142284	0.8868556
GoodmanII	.	.
Sobel	-0.208145	0.8351161

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.15%	0.0116028

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.20250	0.23072	-0.88	0.3973
	iv	0.01538	0.00634	2.42	0.0321
	mediator	0.01928	0.11220	0.17	0.8664
Regressing IV on DV	Intercept	-0.17566	0.16334	-1.08	0.3017
	iv	0.01489	0.00546	2.73	0.0173
Regressing IV on Mediator	Intercept	1.39216	0.41973	3.32	0.0056
	iv	-0.02525	0.01403	-1.80	0.0951

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.025249	0.0140291	0.0192814	0.1122029	0.0148898	0.0054595

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.149694	0.8810058
GoodmanII	-0.205334	0.8373109
Sobel	-0.171066	0.8641716

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(3.27%)	-0.031661

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.54028	0.55870	0.97	0.3526
	iv	0.01206	0.00571	2.11	0.0561
	mediator	-0.00707	0.00529	-1.34	0.2062
Regressing IV on DV	Intercept	-0.17566	0.16334	-1.08	0.3017
	iv	0.01489	0.00546	2.73	0.0173
Regressing IV on Mediator	Intercept	101.28305	8.31743	12.18	<.0001
	iv	-0.39964	0.27800	-1.44	0.1742

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.399642	0.2780003	-0.007069	0.0052892	0.0148898	0.0054595

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.8721411	0.3831314
GoodmanII	1.1375006	0.2553291
Sobel	0.9788053	0.3276762

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
18.97%	0.2341476

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.07445	0.30366	0.25	0.8108
	iv	0.01283	0.00619	2.07	0.0624
	mediator	-0.00261	0.00302	-0.86	0.4070
Regressing IV on DV	Intercept	-0.13148	0.18546	-0.71	0.4919
	iv	0.01362	0.00605	2.25	0.0441
Regressing IV on Mediator	Intercept	78.97399	17.89276	4.41	0.0008
	iv	-0.30105	0.58409	-0.52	0.6156

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.301053	0.5840859	-0.002608	0.0030247	0.013615	0.0060541

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3135014	0.7538998
GoodmanII	4.7258982	2.291E-6
Sobel	0.4423856	0.6582102

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
5.77%	0.0611846

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.04123	0.19266	-0.21	0.8342
	iv	0.01597	0.00541	2.95	0.0121
	mediator	-0.00246	0.00197	-1.25	0.2348
Regressing IV on DV	Intercept	-0.17566	0.16334	-1.08	0.3017
	iv	0.01489	0.00546	2.73	0.0173
Regressing IV on Mediator	Intercept	54.61915	22.54244	2.42	0.0307
	iv	0.44017	0.75345	0.58	0.5691

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.4401688	0.7534545	-0.002461	0.0019674	0.0148898	0.0054595

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.428705	0.6681377
GoodmanII	-0.767665	0.4426865
Sobel	-0.529332	0.5965751

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(7.28%)	-0.067825

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.14154	0.24371	-0.58	0.5721
	iv	0.01422	0.00662	2.15	0.0527
	mediator	-0.00025010	0.00128	-0.20	0.8486
Regressing IV on DV	Intercept	-0.17566	0.16334	-1.08	0.3017
	iv	0.01489	0.00546	2.73	0.0173
Regressing IV on Mediator	Intercept	136.42508	36.72611	3.71	0.0026
	iv	-2.65981	1.22753	-2.17	0.0494

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.659806	1.2275269	-0.00025	0.0012819	0.0148898	0.0054595

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1765587	0.859855
GoodmanII	0.218801	0.8268051
Sobel	0.1943172	0.8459275

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
4.47%	0.046765

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= FSS_AktivC., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.01112	0.21318	-0.05	0.9593
	iv	0.01355	0.00600	2.26	0.0451
	mediator	-0.00002397	0.00002156	-1.11	0.2899
Regressing IV on DV	Intercept	-0.13148	0.18546	-0.71	0.4919
	iv	0.01362	0.00605	2.25	0.0441
Regressing IV on Mediator	Intercept	5020.48835	2459.26082	2.04	0.0638
	iv	-2.71458	80.27937	-0.03	0.9736

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.714582	80.279375	-0.000024	0.0000216	0.013615	0.0060541

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.025136	0.9799465
GoodmanII	0.0771398	0.9385123
Sobel	0.0337986	0.9730378

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.48%	0.0048025

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.08133	0.13305	0.61	0.5524
	iv	0.01707	0.00741	2.30	0.0399
	mediator	-0.10219	0.10203	-1.00	0.3363
Regressing IV on DV	Intercept	0.01320	0.11436	0.12	0.9098
	iv	0.01707	0.00741	2.30	0.0384
Regressing IV on Mediator	Intercept	0.66667	0.31083	2.14	0.0514
	iv	1.22968E-17	0.02014	0.00	1.0000

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.23E-17	0.0201423	-0.102194	0.1020285	0.0170695	0.0074107

Mediation Results

Test	Test statistic	p-value
GoodmanI	-4.32E-16	1
GoodmanII	-1.07E-14	1
Sobel	-6.1E-16	1

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.00%)	-7.36E-17

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.91381	0.46033	1.99	0.0705
	iv	0.01528	0.00673	2.27	0.0425
	mediator	-0.00975	0.00486	-2.01	0.0678
Regressing IV on DV	Intercept	0.01320	0.11436	0.12	0.9098
	iv	0.01707	0.00741	2.30	0.0384
Regressing IV on Mediator	Intercept	92.36962	5.88058	15.71	<.0001
	iv	-0.18354	0.38107	-0.48	0.6381

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.183544	0.3810744	-0.00975	0.0048572	0.0170695	0.0074107

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.4215029	0.6733879
GoodmanII	0.535366	0.5923968
Sobel	0.4683556	0.6395303

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
10.48%	0.1171186

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.03830	0.41543	0.09	0.9282
	iv	0.01530	0.01094	1.40	0.1894
	mediator	0.00012615	0.00417	0.03	0.9764
Regressing IV on DV	Intercept	0.05017	0.12989	0.39	0.7061
	iv	0.01509	0.00816	1.85	0.0892
Regressing IV on Mediator	Intercept	94.12577	9.38734	10.03	<.0001
	iv	-1.64274	0.58976	-2.79	0.0165

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.642735	0.589761	0.0001262	0.0041717	0.0150907	0.0081602

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.02846	0.9772954
GoodmanII	-0.032398	0.9741549
Sobel	-0.030238	0.9758771

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(1.37%)	-0.013546

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.00965	0.22621	0.04	0.9667
	iv	0.01712	0.00816	2.10	0.0577
	mediator	0.00004257	0.00231	0.02	0.9856
Regressing IV on DV	Intercept	0.01320	0.11436	0.12	0.9098
	iv	0.01707	0.00741	2.30	0.0384
Regressing IV on Mediator	Intercept	83.37110	14.30750	5.83	<.0001
	iv	-1.15032	0.92716	-1.24	0.2366

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.150316	0.927158	0.0000426	0.0023073	0.0170695	0.0074107

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.014365	0.9885389
GoodmanII	-0.031162	0.9751401
Sobel	-0.018449	0.9852806

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.29%)	-0.002861

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.11332	0.12709	0.89	0.3901
	iv	0.01689	0.00706	2.39	0.0340
	mediator	-0.00163	0.00106	-1.53	0.1524
Regressing IV on DV	Intercept	0.01320	0.11436	0.12	0.9098
	iv	0.01707	0.00741	2.30	0.0384
Regressing IV on Mediator	Intercept	61.57278	28.38589	2.17	0.0492
	iv	-0.11234	1.83947	-0.06	0.9522

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.112342	1.8394686	-0.001626	0.0010641	0.0170695	0.0074107

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0510744	0.9592663
GoodmanII	0.0806572	0.9357146
Sobel	0.0610242	0.9513399

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.07%	0.010817

FMS-F: Results from regression analysis
DV= ΔSlevel, IV= fabq_vak, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.07251	0.25553	0.28	0.7819
	iv	0.01454	0.01003	1.45	0.1750
	mediator	-0.00000290	0.00002814	-0.10	0.9197
Regressing IV on DV	Intercept	0.05017	0.12989	0.39	0.7061
	iv	0.01509	0.00816	1.85	0.0892
Regressing IV on Mediator	Intercept	7695.47897	1390.82544	5.53	0.0001
	iv	-188.16442	87.37879	-2.15	0.0523

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-188.1644	87.378794	-2.903E-6	0.0000281	0.0150907	0.0081602

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.093462	0.9255365
GoodmanII	0.1162939	0.9074197
Sobel	0.1030268	0.9179417

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.62%	0.0375555

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.59207	0.12434	4.76	0.0006
	iv	-0.01436	0.00645	-2.23	0.0477
	mediator	-0.16085	0.10628	-1.51	0.1583
Regressing IV on DV	Intercept	0.51286	0.11870	4.32	0.0010
	iv	-0.01589	0.00670	-2.37	0.0353
Regressing IV on Mediator	Intercept	0.49248	0.30638	1.61	0.1339
	iv	0.00948	0.01729	0.55	0.5935

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0094833	0.0172939	-0.160849	0.1062751	-0.015886	0.0067004

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.437946	0.6614252
GoodmanII	-0.657902	0.5106012
Sobel	-0.515567	0.606157

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
9.60%	0.1062222

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.79295	0.56200	1.41	0.1859
	iv	-0.01416	0.00770	-1.84	0.0932
	mediator	-0.00341	0.00667	-0.51	0.6197
Regressing IV on DV	Intercept	0.51286	0.11870	4.32	0.0010
	iv	-0.01589	0.00670	-2.37	0.0353
Regressing IV on Mediator	Intercept	82.23528	5.30367	15.51	<.0001
	iv	0.50768	0.29937	1.70	0.1157

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.5076848	0.2993716	-0.003406	0.0066697	-0.015886	0.0067004

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.42579	0.670261
GoodmanII	-0.592453	0.5535474
Sobel	-0.488975	0.6248592

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
10.88%	0.1221451

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.47287	0.23664	2.00	0.0736
	iv	-0.01693	0.00657	-2.58	0.0275
	mediator	0.00114	0.00317	0.36	0.7253
Regressing IV on DV	Intercept	0.54726	0.11200	4.89	0.0005
	iv	-0.01658	0.00623	-2.66	0.0222
Regressing IV on Mediator	Intercept	65.03112	11.11549	5.85	0.0001
	iv	0.30575	0.61856	0.49	0.6308

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.3057471	0.6185562	0.0011439	0.0031656	-0.016581	0.0062324

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1523312	0.8789257
GoodmanII	.	.
Sobel	0.2917184	0.7705019

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(2.11%)	-0.020658

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.52465	0.22018	2.38	0.0363
	iv	-0.01584	0.00703	-2.26	0.0455
	mediator	-0.00017664	0.00273	-0.06	0.9495
Regressing IV on DV	Intercept	0.51286	0.11870	4.32	0.0010
	iv	-0.01589	0.00670	-2.37	0.0353
Regressing IV on Mediator	Intercept	66.72874	13.12185	5.09	0.0003
	iv	0.23332	0.74068	0.32	0.7582

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.2333224	0.7406772	-0.000177	0.002727	-0.015886	0.0067004

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.019425	0.9845021
GoodmanII	.	.
Sobel	-0.063447	0.9494104

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.26%	0.0026012

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.59244	0.11546	5.13	0.0003
	iv	-0.01308	0.00625	-2.09	0.0603
	mediator	-0.00213	0.00112	-1.90	0.0841
Regressing IV on DV	Intercept	0.51286	0.11870	4.32	0.0010
	iv	-0.01589	0.00670	-2.37	0.0353
Regressing IV on Mediator	Intercept	37.43640	27.74787	1.35	0.2022
	iv	1.31933	1.56626	0.84	0.4161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.3193264	1.566259	-0.002126	0.0011193	-0.015886	0.0067004

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.693809	0.4878019
GoodmanII	-0.878458	0.3796952
Sobel	-0.769999	0.4413005

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
17.65%	0.2143966

FMS-F: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.55113	0.17182	3.21	0.0094
	iv	-0.01657	0.00655	-2.53	0.0299
	mediator	-7.86745E-7	0.00002545	-0.03	0.9759
Regressing IV on DV	Intercept	0.54726	0.11200	4.89	0.0005
	iv	-0.01658	0.00623	-2.66	0.0222
Regressing IV on Mediator	Intercept	4927.92661	1391.74141	3.54	0.0046
	iv	16.55747	77.44779	0.21	0.8346

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
16.557471	77.447786	-7.867E-7	0.0000254	-0.016581	0.0062324

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.006461	0.994845
GoodmanII	.	.
Sobel	-0.030599	0.975589

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.08%	0.0007862

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.53674	0.43264	-1.24	0.2406
	iv	0.01743	0.01366	1.28	0.2284
	mediator	0.01040	0.10643	0.10	0.9239
Regressing IV on DV	Intercept	-0.52918	0.40772	-1.30	0.2187
	iv	0.01733	0.01305	1.33	0.2090
Regressing IV on Mediator	Intercept	0.72665	1.15453	0.63	0.5409
	iv	-0.00962	0.03696	-0.26	0.7991

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.009615	0.0369584	0.0103984	0.1064322	0.0173291	0.0130518

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.02449	0.9804616
GoodmanII	.	.
Sobel	-0.091463	0.9271243

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.58%)	-0.005737

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.64543	0.44024	-1.47	0.1706
	iv	0.01735	0.01327	1.31	0.2177
	mediator	0.00178	0.00227	0.78	0.4502
Regressing IV on DV	Intercept	-0.52918	0.40772	-1.30	0.2187
	iv	0.01733	0.01305	1.33	0.2090
Regressing IV on Mediator	Intercept	65.36951	52.68253	1.24	0.2384
	iv	-0.00962	1.68645	-0.01	0.9955

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.009615	1.6864502	0.0017782	0.002271	0.0173291	0.0130518

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.003515	0.9971955
GoodmanII	.	.
Sobel	-0.005701	0.995451

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.10%)	-0.000986

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-1.07146	0.54300	-1.97	0.0767
	iv	0.02614	0.01441	1.81	0.0997
	mediator	0.00431	0.00248	1.74	0.1131
Regressing IV on DV	Intercept	-0.44572	0.44189	-1.01	0.3348
	iv	0.01492	0.01401	1.07	0.3096
Regressing IV on Mediator	Intercept	145.34597	49.40753	2.94	0.0134
	iv	-2.60565	1.56645	-1.66	0.1244

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.605645	1.5664453	0.0043052	0.002479	0.0149247	0.0140099

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.109181	0.2673521
GoodmanII	-1.320886	0.1865394
Sobel	-1.201262	0.2296497

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(75.16%)	-0.429101

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.92802	0.52307	-1.77	0.1064
	iv	0.02515	0.01461	1.72	0.1159
	mediator	0.00262	0.00202	1.30	0.2238
Regressing IV on DV	Intercept	-0.51072	0.42496	-1.20	0.2547
	iv	0.01693	0.01356	1.25	0.2380
Regressing IV on Mediator	Intercept	159.02825	61.44532	2.59	0.0252
	iv	-3.13457	1.96111	-1.60	0.1383

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-3.134572	1.9611061	0.0026241	0.0020235	0.0169265	0.0135631

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.905788	0.365048
GoodmanII	-1.152156	0.2492571
Sobel	-1.007034	0.3139183

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(48.59%)	-0.327026

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.55113	0.17182	3.21	0.0094
	iv	-0.01657	0.00655	-2.53	0.0299
	mediator	-7.86745E-7	0.00002545	-0.03	0.9759
Regressing IV on DV	Intercept	0.54726	0.11200	4.89	0.0005
	iv	-0.01658	0.00623	-2.66	0.0222
Regressing IV on Mediator	Intercept	4927.92661	1391.74141	3.54	0.0046
	iv	16.55747	77.44779	0.21	0.8346

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
16.557471	77.447786	-7.867E-7	0.0000254	-0.016581	0.0062324

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.006461	0.994845
GoodmanII	.	.
Sobel	-0.030599	0.975589

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.08%	0.0007862

URS-F: Results from regression analysis
DV= ΔTlevel, IV= FSS_AktivC., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.92101	0.51529	-1.79	0.1075
	iv	0.02529	0.01484	1.70	0.1225
	mediator	0.00003662	0.00002135	1.71	0.1205
Regressing IV on DV	Intercept	-0.41744	0.46266	-0.90	0.3881
	iv	0.01426	0.01461	0.98	0.3521
Regressing IV on Mediator	Intercept	13753	6270.24300	2.19	0.0530
	iv	-301.12616	198.01042	-1.52	0.1593

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-301.1262	198.01042	0.0000366	0.0000214	0.0142597	0.0146105

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.042821	0.2970311
GoodmanII	-1.264466	0.2060629
Sobel	-1.13776	0.2552207

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(77.32%)	-0.436054

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.09010	0.08027	1.12	0.2820
	iv	0.06275	0.02633	2.38	0.0331
	mediator	-0.07691	0.07287	-1.06	0.3104
Regressing IV on DV	Intercept	0.06340	0.07649	0.83	0.4211
	iv	0.06004	0.02631	2.28	0.0387
Regressing IV on Mediator	Intercept	0.34723	0.27940	1.24	0.2344
	iv	0.03523	0.09611	0.37	0.7194

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0352291	0.0961078	-0.076914	0.0728724	0.0600389	0.0263116

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.25802	0.7963914
GoodmanII	-0.776304	0.4375692
Sobel	-0.34627	0.7291396

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(4.51%)	-0.043182

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.05459	0.12324	-0.44	0.6651
	iv	0.05526	0.02619	2.11	0.0548
	mediator	0.00190	0.00158	1.21	0.2482
Regressing IV on DV	Intercept	0.06340	0.07649	0.83	0.4211
	iv	0.06004	0.02631	2.28	0.0387
Regressing IV on Mediator	Intercept	61.94957	12.76758	4.85	0.0003
	iv	2.50748	4.39182	0.57	0.5771

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
2.5074833	4.391819	0.0019046	0.0015754	0.0600389	0.0263116

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.413423	0.6792967
GoodmanII	0.7777876	0.4366943
Sobel	0.5162684	0.605667

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
7.95%	0.0864194

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.14840	0.14873	-1.00	0.3381
	iv	0.06945	0.02662	2.61	0.0228
	mediator	0.00293	0.00178	1.65	0.1256
Regressing IV on DV	Intercept	0.06346	0.07933	0.80	0.4381
	iv	0.05951	0.02758	2.16	0.0502
Regressing IV on Mediator	Intercept	72.31611	11.62277	6.22	<.0001
	iv	-3.39137	4.04064	-0.84	0.4165

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-3.39137	4.0406372	0.0029296	0.0017795	0.0595132	0.027578

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.657631	0.5107754
GoodmanII	-0.889196	0.3738978
Sobel	-0.747748	0.4546123

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(16.69%)	-0.143062

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.06822	0.10939	-0.62	0.5445
	iv	0.05657	0.02576	2.20	0.0485
	mediator	0.00214	0.00125	1.71	0.1134
Regressing IV on DV	Intercept	0.07178	0.07757	0.93	0.3717
	iv	0.05334	0.02752	1.94	0.0746
Regressing IV on Mediator	Intercept	65.52941	16.05398	4.08	0.0013
	iv	-1.51192	5.69442	-0.27	0.7948

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.511924	5.6944236	0.0021365	0.0012511	0.0533399	0.0275155

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.22708	0.8203619
GoodmanII	-0.321685	0.7476915
Sobel	-0.262357	0.7930461

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(6.06%)	-0.0571

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.92101	0.51529	-1.79	0.1075
	iv	0.02529	0.01484	1.70	0.1225
	mediator	0.00003662	0.00002135	1.71	0.1205
Regressing IV on DV	Intercept	-0.41744	0.46266	-0.90	0.3881
	iv	0.01426	0.01461	0.98	0.3521
Regressing IV on Mediator	Intercept	13753	6270.24300	2.19	0.0530
	iv	-301.12616	198.01042	-1.52	0.1593

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-301.1262	198.01042	0.0000366	0.0000214	0.0142597	0.0146105

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.042821	0.2970311
GoodmanII	-1.264466	0.2060629
Sobel	-1.13776	0.2552207

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(77.32%)	-0.436054

URS-F: Results from regression analysis
DV= ΔSslope, IV= MPI_Unterstütz., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.04101	0.10045	-0.41	0.6909
	iv	0.05658	0.02710	2.09	0.0609
	mediator	0.00002396	0.00001416	1.69	0.1187
Regressing IV on DV	Intercept	0.07213	0.08058	0.90	0.3883
	iv	0.05222	0.02900	1.80	0.0969
Regressing IV on Mediator	Intercept	4722.94125	1528.88112	3.09	0.0094
	iv	-182.08448	550.17717	-0.33	0.7464

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-182.0845	550.17717	0.000024	0.0000142	0.0522172	0.0289975

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.280978	0.7787275
GoodmanII	-0.398685	0.6901256
Sobel	-0.324804	0.7453296

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(8.35%)	-0.077095

URS-M: Results from regression analysis
DV= ptlim, IV= fabq_vak, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	47.94630	1.79765	26.67	<.0001
	iv	-0.22670	0.07123	-3.18	0.0154
	mediator	0.02297	0.02428	0.95	0.3757
Regressing IV on DV	Intercept	49.19832	1.20824	40.72	<.0001
	iv	-0.20163	0.06568	-3.07	0.0154
Regressing IV on Mediator	Intercept	54.50842	17.70765	3.08	0.0152
	iv	1.09147	0.96260	1.13	0.2897

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.0914703	0.9625999	0.0229693	0.0242844	-0.201627	0.065681

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.601384	0.5475842
GoodmanII	0.9871649	0.3235618
Sobel	0.7263197	0.4676428

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(12.43%)	-0.110589

URS-M: Results from regression analysis
DV= ptlim, IV= fabq_vak, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	48.95178	1.57688	31.04	<.0001
	iv	-0.20886	0.07483	-2.79	0.0269
	mediator	0.00503	0.01865	0.27	0.7951
Regressing IV on DV	Intercept	49.19832	1.20824	40.72	<.0001
	iv	-0.20163	0.06568	-3.07	0.0154
Regressing IV on Mediator	Intercept	49.00505	24.36022	2.01	0.0791
	iv	1.43822	1.32424	1.09	0.3091

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.4382155	1.3242378	0.0050308	0.01865	-0.201627	0.065681

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.195208	0.8452301
GoodmanII	0.5832346	0.5597354
Sobel	0.2617916	0.7934822

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(3.59%)	-0.034641

URS-M: Results from regression analysis
DV= ptlim, IV= fabq_vak, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	49.20316	1.32271	37.20	<.0001
	iv	-0.20086	0.08354	-2.40	0.0472
	mediator	-0.00027338	0.01608	-0.02	0.9869
Regressing IV on DV	Intercept	49.19832	1.20824	40.72	<.0001
	iv	-0.20163	0.06568	-3.07	0.0154
Regressing IV on Mediator	Intercept	17.72222	28.39703	0.62	0.5499
	iv	2.81481	1.54368	1.82	0.1057

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
2.8148148	1.5436819	-0.000273	0.0160814	-0.201627	0.065681

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.014905	0.9881081
GoodmanII	-0.020328	0.9837816
Sobel	-0.016999	0.9864375

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.38%	0.0038311

URS-M: Results from regression analysis
DV= ptlim, IV= fabq_vak, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	49.18410	1.29272	38.05	<.0001
	iv	-0.20814	0.08175	-2.55	0.0383
	mediator	0.00002272	0.00014670	0.15	0.8813
Regressing IV on DV	Intercept	49.19832	1.20824	40.72	<.0001
	iv	-0.20163	0.06568	-3.07	0.0154
Regressing IV on Mediator	Intercept	625.60269	3107.75826	0.20	0.8455
	iv	286.71594	168.93983	1.70	0.1281

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
286.71594	168.93983	0.0000227	0.0001467	-0.201627	0.065681

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1330137	0.8941826
GoodmanII	0.1904585	0.8489498
Sobel	0.1542223	0.8774345

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(3.23%)	-0.031294

URS-M: Results from regression analysis
DV= ΔTlevel, IV= Arztbes., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-0.21266	0.53667	-0.40	0.7037
	iv	-0.03459	0.01878	-1.84	0.1080
	mediator	0.00945	0.00750	1.26	0.2478
Regressing IV on DV	Intercept	0.40699	0.22337	1.82	0.1059
	iv	-0.02700	0.01843	-1.46	0.1811
Regressing IV on Mediator	Intercept	65.55206	10.16558	6.45	0.0002
	iv	0.80282	0.83873	0.96	0.3665

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.8028227	0.8387282	0.0094527	0.0074974	-0.026998	0.0184297

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.644538	0.5192266
GoodmanII	0.9834598	0.3253812
Sobel	0.7623745	0.4458365

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(28.11%)	-0.219416

URS-M: Results from regression analysis
DV= ΔTlevel, IV= Arztbes., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.00000549	0.40896	0.00	1.0000
	iv	-0.03840	0.02045	-1.88	0.1024
	mediator	0.00702	0.00597	1.18	0.2778
Regressing IV on DV	Intercept	0.40699	0.22337	1.82	0.1059
	iv	-0.02700	0.01843	-1.46	0.1811
Regressing IV on Mediator	Intercept	57.95126	12.92448	4.48	0.0020
	iv	1.62412	1.06636	1.52	0.1662

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.6241154	1.066356	0.0070228	0.0059687	-0.026998	0.0184297

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.8262423	0.4086667
GoodmanII	1.0897701	0.2758144
Sobel	0.9311176	0.3517927

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(42.25%)	-0.297

URS-M: Results from regression analysis
DV= ΔTlevel, IV= Arztbes., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.16960	0.32391	0.52	0.6167
	iv	-0.03248	0.01919	-1.69	0.1343
	mediator	0.00437	0.00433	1.01	0.3458
Regressing IV on DV	Intercept	0.40699	0.22337	1.82	0.1059
	iv	-0.02700	0.01843	-1.46	0.1811
Regressing IV on Mediator	Intercept	54.29311	18.23197	2.98	0.0177
	iv	1.25322	1.50426	0.83	0.4289

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.2532215	1.5042596	0.0043722	0.0043258	-0.026998	0.0184297

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.510982	0.6093637
GoodmanII	0.9953737	0.3195546
Sobel	0.6428755	0.5203049

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(20.30%)	-0.168716

URS-M: Results from regression analysis
DV= ΔTlevel, IV= Arztbes., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.22007	0.26634	0.83	0.4359
	iv	-0.03623	0.01947	-1.86	0.1050
	mediator	0.00004957	0.00004092	1.21	0.2650
Regressing IV on DV	Intercept	0.40699	0.22337	1.82	0.1059
	iv	-0.02700	0.01843	-1.46	0.1811
Regressing IV on Mediator	Intercept	3770.56809	1876.10506	2.01	0.0793
	iv	186.25171	154.79120	1.20	0.2633

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
186.25171	154.7912	0.0000496	0.0000409	-0.026998	0.0184297

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.7367211	0.461292
GoodmanII	1.0532725	0.2922161
Sobel	0.853759	0.3932385

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(34.20%)	-0.254838

URS-M: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.37035	0.30123	1.23	0.2586
	iv	-0.01631	0.00794	-2.05	0.0792
	mediator	0.00301	0.00532	0.57	0.5893
Regressing IV on DV	Intercept	0.52369	0.12571	4.17	0.0031
	iv	-0.01306	0.00524	-2.49	0.0376
Regressing IV on Mediator	Intercept	50.93638	8.73121	5.83	0.0004
	iv	1.07960	0.36427	2.96	0.0180

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.0795991	0.364275	0.0030104	0.0053214	-0.013056	0.0052446

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.5274621	0.5978727
GoodmanII	0.5889669	0.5558835
Sobel	0.5556778	0.5784312

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(24.89%)	-0.199318

URS-M: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.44149	0.22166	1.99	0.0867
	iv	-0.01633	0.00899	-1.82	0.1120
	mediator	0.00204	0.00440	0.46	0.6579
Regressing IV on DV	Intercept	0.52369	0.12571	4.17	0.0031
	iv	-0.01306	0.00524	-2.49	0.0376
Regressing IV on Mediator	Intercept	40.37006	10.62790	3.80	0.0052
	iv	1.61052	0.44341	3.63	0.0067

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.6105236	0.4434071	0.002036	0.0044038	-0.013056	0.0052446

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.4424179	0.6581868
GoodmanII	0.4767468	0.6335425
Sobel	0.4586215	0.646506

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(25.12%)	-0.20074

URS-M: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.48674	0.15368	3.17	0.0158
	iv	-0.01719	0.01034	-1.66	0.1405
	mediator	0.00185	0.00391	0.47	0.6510
Regressing IV on DV	Intercept	0.52369	0.12571	4.17	0.0031
	iv	-0.01306	0.00524	-2.49	0.0376
Regressing IV on Mediator	Intercept	19.98351	11.95148	1.67	0.1331
	iv	2.23524	0.49863	4.48	0.0020

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
2.2352386	0.4986278	0.0018488	0.0039136	-0.013056	0.0052446

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.4586648	0.6464749
GoodmanII	0.4818225	0.629932
Sobel	0.4698162	0.6384864

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(31.65%)	-0.240432

URS-M: Results from regression analysis
DV= ΔSslope, IV= FSS_Katastroph., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.51008	0.13147	3.88	0.0061
	iv	-0.01936	0.01059	-1.83	0.1102
	mediator	0.00002589	0.00003735	0.69	0.5104
Regressing IV on DV	Intercept	0.52369	0.12571	4.17	0.0031
	iv	-0.01306	0.00524	-2.49	0.0376
Regressing IV on Mediator	Intercept	525.36601	1230.59396	0.43	0.6807
	iv	243.49732	51.34164	4.74	0.0015

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
243.49732	51.341643	0.0000259	0.0000373	-0.013056	0.0052446

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.671578	0.5018524
GoodmanII	0.7014752	0.4830065
Sobel	0.6860385	0.4926888

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(48.30%)	-0.325672

URS-M: Results from regression analysis
DV= ΔSslope, IV= fabq_vak, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.83344	0.26123	3.19	0.0153
	iv	-0.02760	0.01035	-2.67	0.0322
	mediator	-0.00139	0.00353	-0.39	0.7049
Regressing IV on DV	Intercept	0.75754	0.16716	4.53	0.0019
	iv	-0.02912	0.00909	-3.20	0.0125
Regressing IV on Mediator	Intercept	54.50842	17.70765	3.08	0.0152
	iv	1.09147	0.96260	1.13	0.2897

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.0914703	0.9625999	-0.001392	0.0035289	-0.029121	0.0090868

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.286341	0.7746169
GoodmanII	-0.67344	0.5006675
Sobel	-0.37266	0.7094015

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
5.22%	0.055062

URS-M: Results from regression analysis
DV= ΔSslope, IV= fabq_vak, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.85177	0.21050	4.05	0.0049
	iv	-0.02636	0.00999	-2.64	0.0335
	mediator	-0.00192	0.00249	-0.77	0.4652
Regressing IV on DV	Intercept	0.75754	0.16716	4.53	0.0019
	iv	-0.02912	0.00909	-3.20	0.0125
Regressing IV on Mediator	Intercept	49.00505	24.36022	2.01	0.0791
	iv	1.43822	1.32424	1.09	0.3091

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.4382155	1.3242378	-0.001923	0.0024896	-0.029121	0.0090868

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.503477	0.6146292
GoodmanII	-0.952198	0.3409964
Sobel	-0.629449	0.5290548

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
9.50%	0.1049369

URS-M: Results from regression analysis
DV= ΔSslope, IV= fabq_vak, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.77293	0.18099	4.27	0.0037
	iv	-0.02668	0.01143	-2.33	0.0523
	mediator	-0.00086884	0.00220	-0.39	0.7047
Regressing IV on DV	Intercept	0.75754	0.16716	4.53	0.0019
	iv	-0.02912	0.00909	-3.20	0.0125
Regressing IV on Mediator	Intercept	17.72222	28.39703	0.62	0.5499
	iv	2.81481	1.54368	1.82	0.1057

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
2.8148148	1.5436819	-0.000869	0.0022005	-0.029121	0.0090868

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.340119	0.7337672
GoodmanII	-0.4571	0.6475995
Sobel	-0.385894	0.6995751

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
8.40%	0.0916796

URS-M: Results from regression analysis
DV= ΔSslope, IV= fabq_vak, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	0.76253	0.17717	4.30	0.0035
	iv	-0.02683	0.01120	-2.40	0.0478
	mediator	-0.00000798	0.00002010	-0.40	0.7032
Regressing IV on DV	Intercept	0.75754	0.16716	4.53	0.0019
	iv	-0.02912	0.00909	-3.20	0.0125
Regressing IV on Mediator	Intercept	625.60269	3107.75826	0.20	0.8455
	iv	286.71594	168.93983	1.70	0.1281

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
286.71594	168.93983	-7.982E-6	0.0000201	-0.029121	0.0090868

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.335301	0.7373978
GoodmanII	-0.471976	0.6369436
Sobel	-0.386568	0.6990761

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
7.86%	0.0852852

B Beeinflussung der Zusammenhänge zwischen Cortisolparametern und klinischen Schmerzmaßen durch Komorbiditätsfaktoren

FMS-F: Results from regression analysis

DV= AMA, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	8.22045	10.36697	0.79	0.4402
	iv	-0.40024	0.28043	-1.43	0.1740
	mediator	8.64680	5.47509	1.58	0.1351
Regressing IV on DV	Intercept	20.29602	7.32031	2.77	0.0136
	iv	-0.61486	0.25650	-2.40	0.0291
Regressing IV on Mediator	Intercept	1.39654	0.31966	4.37	0.0005
	iv	-0.02482	0.01120	-2.22	0.0415

Establishing Mediation

Paths a,b, and c

a	sa	b	sb	c	sc
-0.024821	0.0112007	8.6467988	5.475091	-0.614863	0.2564981

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.207184	0.2273612
GoodmanII	-1.382873	0.1667039
Sobel	-1.286114	0.1984031

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
34.91%	0.5362462

FMS-F: Results from regression analysis
DV= AMA, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-3.50086	30.60609	-0.11	0.9104
	iv	-0.51175	0.28958	-1.77	0.0975
	mediator	0.23016	0.28723	0.80	0.4355
Regressing IV on DV	Intercept	20.29602	7.32031	2.77	0.0136
	iv	-0.61486	0.25650	-2.40	0.0291
Regressing IV on Mediator	Intercept	103.39278	6.44403	16.04	<.0001
	iv	-0.44800	0.22579	-1.98	0.0647

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.447996	0.2257939	0.2301601	0.2872263	-0.614863	0.2564981

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.673131	0.5008638
GoodmanII	-0.840432	0.400666
Sobel	-0.74301	0.4574754

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
16.77%	0.2014858

FMS-F: Results from regression analysis
DV= AMA, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.86726	15.63460	0.89	0.3901
	iv	-0.53520	0.28904	-1.85	0.0853
	mediator	0.05326	0.15752	0.34	0.7403
Regressing IV on DV	Intercept	18.38141	7.89264	2.33	0.0343
	iv	-0.55967	0.27145	-2.06	0.0570
Regressing IV on Mediator	Intercept	84.75320	13.33668	6.35	<.0001
	iv	-0.45933	0.45868	-1.00	0.3325

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.459331	0.4586841	0.0532623	0.157523	-0.559669	0.2714488

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.232709	0.8159877
GoodmanII	-0.989265	0.3225333
Sobel	-0.320356	0.7486988

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
4.37%	0.0457117

FMS-F: Results from regression analysis
DV= AMA, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	17.02439	10.55473	1.61	0.1276
	iv	-0.61063	0.26338	-2.32	0.0350
	mediator	0.04492	0.10179	0.44	0.6653
Regressing IV on DV	Intercept	20.29602	7.32031	2.77	0.0136
	iv	-0.61486	0.25650	-2.40	0.0291
Regressing IV on Mediator	Intercept	72.84017	18.44891	3.95	0.0012
	iv	-0.09432	0.64644	-0.15	0.8858

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.094321	0.6464355	0.0449152	0.1017918	-0.614863	0.2564981

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.058385	0.953442
GoodmanII	.	.
Sobel	-0.138532	0.8898198

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.69%	0.0069379

FMS-F: Results from regression analysis
DV= AMA, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.11403	10.84234	0.47	0.6439
	iv	-0.32312	0.28933	-1.12	0.2817
	mediator	0.10930	0.06050	1.81	0.0909
Regressing IV on DV	Intercept	20.29602	7.32031	2.77	0.0136
	iv	-0.61486	0.25650	-2.40	0.0291
Regressing IV on Mediator	Intercept	138.90241	28.31383	4.91	0.0002
	iv	-2.66921	0.99209	-2.69	0.0161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.669209	0.9920946	0.1092997	0.0604966	-0.614863	0.2564981

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.433226	0.1517932
GoodmanII	-1.57685	0.11483
Sobel	-1.499905	0.1336389

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
47.45%	0.9028989

FMS-F: Results from regression analysis
DV= AMA, IV= FSS_AktivC., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	15.86498	10.99054	1.44	0.1709
	iv	-0.53934	0.28611	-1.89	0.0804
	mediator	0.00036795	0.00108	0.34	0.7385
Regressing IV on DV	Intercept	18.38141	7.89264	2.33	0.0343
	iv	-0.55967	0.27145	-2.06	0.0570
Regressing IV on Mediator	Intercept	6839.01968	1944.35420	3.52	0.0031
	iv	-55.24647	66.87153	-0.83	0.4217

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-55.24647	66.871527	0.000368	0.0010804	-0.559669	0.2714488

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.2098	0.8338235
GoodmanII	.	.
Sobel	-0.314862	0.7528663

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.63%	0.0376906

FMS-F: Results from regression analysis
DV= CMA, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	23.21179	6.05389	3.83	0.0016
	iv	-0.30226	0.16376	-1.85	0.0848
	mediator	-0.37864	3.19723	-0.12	0.9073
Regressing IV on DV	Intercept	22.68300	3.96017	5.73	<.0001
	iv	-0.29286	0.13876	-2.11	0.0509
Regressing IV on Mediator	Intercept	1.39654	0.31966	4.37	0.0005
	iv	-0.02482	0.01120	-2.22	0.0415

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.024821	0.0112007	-0.378639	3.1972302	-0.292864	0.1387613

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1078178	0.9141402
GoodmanII	0.1324696	0.8946128
Sobel	0.1182584	0.9058629

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(3.21%)	-0.031093

FMS-F: Results from regression analysis
DV= CMA, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	34.61939	16.60705	2.08	0.0546
	iv	-0.34458	0.15713	-2.19	0.0445
	mediator	-0.11545	0.15585	-0.74	0.4703
Regressing IV on DV	Intercept	22.68300	3.96017	5.73	<.0001
	iv	-0.29286	0.13876	-2.11	0.0509
Regressing IV on Mediator	Intercept	103.39278	6.44403	16.04	<.0001
	iv	-0.44800	0.22579	-1.98	0.0647

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.447996	0.2257939	-0.115447	0.1558508	-0.292864	0.1387613

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.6275291	0.5303125
GoodmanII	0.7872506	0.4311352
Sobel	0.6939656	0.4877038

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(17.66%)	-0.150093

FMS-F: Results from regression analysis
DV= CMA, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	16.76597	7.61141	2.20	0.0449
	iv	-0.20023	0.14071	-1.42	0.1767
	mediator	0.03928	0.07669	0.51	0.6164
Regressing IV on DV	Intercept	20.09548	3.86249	5.20	0.0001
	iv	-0.21827	0.13284	-1.64	0.1212
Regressing IV on Mediator	Intercept	84.75320	13.33668	6.35	<.0001
	iv	-0.45933	0.45868	-1.00	0.3325

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.459331	0.4586841	0.0392848	0.0766872	-0.218271	0.1328413

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.340844	0.7332208
GoodmanII	-0.996065	0.3192185
Sobel	-0.456064	0.6483438

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
8.27%	0.0901216

FMS-F: Results from regression analysis
DV= CMA, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	19.38611	5.61767	3.45	0.0036
	iv	-0.28860	0.14018	-2.06	0.0573
	mediator	0.04526	0.05418	0.84	0.4166
Regressing IV on DV	Intercept	22.68300	3.96017	5.73	<.0001
	iv	-0.29286	0.13876	-2.11	0.0509
Regressing IV on Mediator	Intercept	72.84017	18.44891	3.95	0.0012
	iv	-0.09432	0.64644	-0.15	0.8858

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.094321	0.6464355	0.0452621	0.0541778	-0.292864	0.1387613

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.092967	0.9259297
GoodmanII	.	.
Sobel	-0.143734	0.8857104

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.46%	0.014793

FMS-F: Results from regression analysis
DV= CMA, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	23.30327	6.46905	3.60	0.0026
	iv	-0.30478	0.17263	-1.77	0.0978
	mediator	-0.00447	0.03610	-0.12	0.9032
Regressing IV on DV	Intercept	22.68300	3.96017	5.73	<.0001
	iv	-0.29286	0.13876	-2.11	0.0509
Regressing IV on Mediator	Intercept	138.90241	28.31383	4.91	0.0002
	iv	-2.66921	0.99209	-2.69	0.0161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.669209	0.9920946	-0.004466	0.0360951	-0.292864	0.1387613

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1158566	0.9077662
GoodmanII	0.1330988	0.8941152
Sobel	0.1235846	0.9016442

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(4.07%)	-0.039108

FMS-F: Results from regression analysis
DV= cort_cmr17, IV= fss_suma, Mediator= ADS_PR*STAI_PR

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	16.12201	5.16462	3.12	0.0075
	iv	-0.18617	0.13445	-1.38	0.1878
	mediator	0.00058100	0.00050770	1.14	0.2717
Regressing IV on DV	Intercept	20.09548	3.86249	5.20	0.0001
	iv	-0.21827	0.13284	-1.64	0.1212
Regressing IV on Mediator	Intercept	6839.01968	1944.35420	3.52	0.0031
	iv	-55.24647	66.87153	-0.83	0.4217

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-55.24647	66.871527	0.000581	0.0005077	-0.218271	0.1328413

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.546562	0.5846795
GoodmanII	-0.949179	0.3425298
Sobel	-0.669841	0.5029593

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
14.71%	0.1724103

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.76495	3.80398	3.62	0.0025
	iv	-0.17540	0.10290	-1.70	0.1089
	mediator	0.03901	2.00899	0.02	0.9848
Regressing IV on DV	Intercept	13.81942	2.48726	5.56	<.0001
	iv	-0.17637	0.08715	-2.02	0.0600
Regressing IV on Mediator	Intercept	1.39654	0.31966	4.37	0.0005
	iv	-0.02482	0.01120	-2.22	0.0415

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.024821	0.0112007	0.0390051	2.0089911	-0.176371	0.0871515

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.017696	0.9858811
GoodmanII	-0.021755	0.9826431
Sobel	-0.019415	0.9845104

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.55%	0.0055196

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	26.97416	10.02590	2.69	0.0168
	iv	-0.23337	0.09486	-2.46	0.0265
	mediator	-0.12723	0.09409	-1.35	0.1963
Regressing IV on DV	Intercept	13.81942	2.48726	5.56	<.0001
	iv	-0.17637	0.08715	-2.02	0.0600
Regressing IV on Mediator	Intercept	103.39278	6.44403	16.04	<.0001
	iv	-0.44800	0.22579	-1.98	0.0647

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.447996	0.2257939	-0.127231	0.0940892	-0.176371	0.0871515

Mediation Results

Test	Test statistic	p-value
GoodmanI	1.031514	0.3022999
GoodmanII	1.2290663	0.2190469
Sobel	1.1173994	0.2638236

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(32.32%)	-0.244243

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	10.82144	4.93537	2.19	0.0457
	iv	-0.12638	0.09124	-1.39	0.1877
	mediator	0.01837	0.04973	0.37	0.7174
Regressing IV on DV	Intercept	12.37812	2.49342	4.96	0.0002
	iv	-0.13482	0.08576	-1.57	0.1368
Regressing IV on Mediator	Intercept	84.75320	13.33668	6.35	<.0001
	iv	-0.45933	0.45868	-1.00	0.3325

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.459331	0.4586841	0.0183672	0.0497253	-0.134821	0.0857552

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.252898	0.8003467
GoodmanII	-0.991204	0.3215862
Sobel	-0.34655	0.7289291

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
6.26%	0.0667535

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.34502	3.49297	3.25	0.0054
	iv	-0.17317	0.08716	-1.99	0.0655
	mediator	0.03397	0.03369	1.01	0.3292
Regressing IV on DV	Intercept	13.81942	2.48726	5.56	<.0001
	iv	-0.17637	0.08715	-2.02	0.0600
Regressing IV on Mediator	Intercept	72.84017	18.44891	3.95	0.0012
	iv	-0.09432	0.64644	-0.15	0.8858

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.094321	0.6464355	0.0339703	0.0336869	-0.176371	0.0871515

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.103063	0.9179132
GoodmanII	-0.752929	0.4514928
Sobel	-0.144406	0.8851798

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.82%	0.0185031

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	14.03663	4.06443	3.45	0.0035
	iv	-0.18055	0.10846	-1.66	0.1167
	mediator	-0.00156	0.02268	-0.07	0.9459
Regressing IV on DV	Intercept	13.81942	2.48726	5.56	<.0001
	iv	-0.17637	0.08715	-2.02	0.0600
Regressing IV on Mediator	Intercept	138.90241	28.31383	4.91	0.0002
	iv	-2.66921	0.99209	-2.69	0.0161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.669209	0.9920946	-0.001564	0.0226781	-0.176371	0.0871515

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0646151	0.9484805
GoodmanII	0.0742466	0.9408142
Sobel	0.0689312	0.9450444

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(2.37%)	-0.023119

FMS-F: Results from regression analysis
DV= CGA, IV= FSS_AktivC., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	9.68815	3.31841	2.92	0.0112
	iv	-0.11309	0.08639	-1.31	0.2116
	mediator	0.00039333	0.00032621	1.21	0.2479
Regressing IV on DV	Intercept	12.37812	2.49342	4.96	0.0002
	iv	-0.13482	0.08576	-1.57	0.1368
Regressing IV on Mediator	Intercept	6839.01968	1944.35420	3.52	0.0031
	iv	-55.24647	66.87153	-0.83	0.4217

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-55.24647	66.871527	0.0003933	0.0003262	-0.134821	0.0857552

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.562477	0.5737913
GoodmanII	-0.934462	0.3500655
Sobel	-0.681524	0.4955403

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
16.12%	0.1921452

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5396.44294	3054.30658	1.77	0.0976
	iv	-78.14449	82.61989	-0.95	0.3592
	mediator	1662.78632	1613.06649	1.03	0.3190
Regressing IV on DV	Intercept	7718.58574	2066.57739	3.73	0.0018
	iv	-119.41718	72.41126	-1.65	0.1186
Regressing IV on Mediator	Intercept	1.39654	0.31966	4.37	0.0005
	iv	-0.02482	0.01120	-2.22	0.0415

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.024821	0.0112007	1662.7863	1613.0665	-119.4172	72.411264

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.865046	0.3870133
GoodmanII	-1.024316	0.3056862
Sobel	-0.934653	0.3499672

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
34.56%	0.5281588

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5978.03661	8811.15251	0.68	0.5078
	iv	-111.87546	83.36565	-1.34	0.1996
	mediator	16.83434	82.68927	0.20	0.8414
Regressing IV on DV	Intercept	7718.58574	2066.57739	3.73	0.0018
	iv	-119.41718	72.41126	-1.65	0.1186
Regressing IV on Mediator	Intercept	103.39278	6.44403	16.04	<.0001
	iv	-0.44800	0.22579	-1.98	0.0647

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.447996	0.2257939	16.834339	82.68927	-119.4172	72.411264

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.181042	0.8563349
GoodmanII	-0.234068	0.8149325
Sobel	-0.202522	0.8395085

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
6.32%	0.0674117

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	3431.74714	3481.97027	0.99	0.3411
	iv	-53.93000	64.37162	-0.84	0.4162
	mediator	29.28211	35.08184	0.83	0.4179
Regressing IV on DV	Intercept	5913.49947	1793.65969	3.30	0.0049
	iv	-67.38020	61.68874	-1.09	0.2920
Regressing IV on Mediator	Intercept	84.75320	13.33668	6.35	<.0001
	iv	-0.45933	0.45868	-1.00	0.3325

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.459331	0.4586841	29.282106	35.081844	-67.3802	61.688741

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.508733	0.6109397
GoodmanII	-0.999387	0.317607
Sobel	-0.641165	0.5214154

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
19.96%	0.2494009

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6473.76786	2963.84520	2.18	0.0452
	iv	-117.80526	73.95971	-1.59	0.1320
	mediator	17.08972	28.58388	0.60	0.5588
Regressing IV on DV	Intercept	7718.58574	2066.57739	3.73	0.0018
	iv	-119.41718	72.41126	-1.65	0.1186
Regressing IV on Mediator	Intercept	72.84017	18.44891	3.95	0.0012
	iv	-0.09432	0.64644	-0.15	0.8858

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.094321	0.6464355	17.089716	28.583882	-119.4172	72.411264

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.074294	0.9407762
GoodmanII	.	.
Sobel	-0.14175	0.8872777

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
1.35%	0.013683

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	4972.15587	3251.24032	1.53	0.1470
	iv	-66.64059	86.75923	-0.77	0.4543
	mediator	19.77237	18.14082	1.09	0.2929
Regressing IV on DV	Intercept	7718.58574	2066.57739	3.73	0.0018
	iv	-119.41718	72.41126	-1.65	0.1186
Regressing IV on Mediator	Intercept	138.90241	28.31383	4.91	0.0002
	iv	-2.66921	0.99209	-2.69	0.0161

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-2.669209	0.9920946	19.77237	18.140821	-119.4172	72.411264

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.955109	0.3395226
GoodmanII	-1.076057	0.2819019
Sobel	-1.010192	0.3124031

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
44.20%	0.7919588

FMS-F: Results from regression analysis
DV= AUC, IV= FSS_AktivC., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	4150.30057	2408.06979	1.72	0.1068
	iv	-53.13685	62.68888	-0.85	0.4109
	mediator	0.25781	0.23672	1.09	0.2945
Regressing IV on DV	Intercept	5913.49947	1793.65969	3.30	0.0049
	iv	-67.38020	61.68874	-1.09	0.2920
Regressing IV on Mediator	Intercept	6839.01968	1944.35420	3.52	0.0031
	iv	-55.24647	66.87153	-0.83	0.4217

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-55.24647	66.871527	0.2578146	0.2367233	-67.3802	61.688741

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.531238	0.5952536
GoodmanII	-0.965389	0.3343498
Sobel	-0.658209	0.5104042

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
21.14%	0.2680502

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	14.09571	5.33558	2.64	0.0215
	iv	-0.83175	0.30751	-2.70	0.0191
	mediator	-4.53353	2.83942	-1.60	0.1363
Regressing IV on DV	Intercept	9.89205	4.90951	2.01	0.0651
	iv	-0.67519	0.30833	-2.19	0.0474
Regressing IV on Mediator	Intercept	0.92724	0.45330	2.05	0.0616
	iv	-0.03454	0.02847	-1.21	0.2467

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.034535	0.0284689	-4.533527	2.839416	-0.675189	0.3083336

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.8643901	0.3873736
GoodmanII	1.1143827	0.265115
Sobel	0.9659167	0.3340859

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(23.19%)	-0.188236

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	8.89097	8.26948	1.08	0.3034
	iv	-0.65890	0.33763	-1.95	0.0747
	mediator	0.01047	0.06804	0.15	0.8803
Regressing IV on DV	Intercept	9.89205	4.90951	2.01	0.0651
	iv	-0.67519	0.30833	-2.19	0.0474
Regressing IV on Mediator	Intercept	95.61555	20.80924	4.59	0.0005
	iv	-1.55560	1.30689	-1.19	0.2552

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.555604	1.3068891	0.0104699	0.0680399	-0.675189	0.3083336

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.117246	0.9066649
GoodmanII	-0.275968	0.7825728
Sobel	-0.152609	0.8787064

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
2.41%	0.0247185

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	10.61199	7.84294	1.35	0.2010
	iv	-0.68606	0.33308	-2.06	0.0618
	mediator	-0.00868	0.07179	-0.12	0.9057
Regressing IV on DV	Intercept	9.89205	4.90951	2.01	0.0651
	iv	-0.67519	0.30833	-2.19	0.0474
Regressing IV on Mediator	Intercept	82.90986	19.72850	4.20	0.0010
	iv	-1.25174	1.23901	-1.01	0.3308

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.251738	1.2390147	-0.008683	0.0717942	-0.675189	0.3083336

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0856497	0.9317449
GoodmanII	0.6506191	0.5152924
Sobel	0.1200908	0.9044112

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(1.61%)	-0.015843

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.42450	7.88273	1.70	0.1166
	iv	-0.73486	0.43260	-1.70	0.1174
	mediator	-0.04546	0.05711	-0.80	0.4428
Regressing IV on DV	Intercept	9.65163	6.20185	1.56	0.1456
	iv	-0.65719	0.41497	-1.58	0.1392
Regressing IV on Mediator	Intercept	82.98677	31.83713	2.61	0.0229
	iv	-1.70845	2.13027	-0.80	0.4382

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-1.708447	2.1302671	-0.045464	0.0571122	-0.657193	0.4149744

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.4230913	0.6722286
GoodmanII	1.2133031	0.2250139
Sobel	0.5649764	0.5720898

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(11.82%)	-0.105696

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	14.08013	5.61381	2.51	0.0275
	iv	-0.84492	0.32171	-2.63	0.0221
	mediator	-0.05359	0.03847	-1.39	0.1889
Regressing IV on DV	Intercept	9.89205	4.90951	2.01	0.0651
	iv	-0.67519	0.30833	-2.19	0.0474
Regressing IV on Mediator	Intercept	78.15660	34.18428	2.29	0.0397
	iv	-3.16746	2.14689	-1.48	0.1639

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-3.167463	2.1468855	-0.053586	0.0384654	-0.675189	0.3083336

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.908564	0.3635803
GoodmanII	1.1640807	0.2443913
Sobel	1.0129041	0.311106

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(25.14%)	-0.200884

URS-F: Results from regression analysis
DV= AMA, IV= fabq_vak, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.98029	7.09974	1.69	0.1196
	iv	-0.69639	0.42691	-1.63	0.1311
	mediator	-0.00041749	0.00057688	-0.72	0.4844
Regressing IV on DV	Intercept	9.65163	6.20185	1.56	0.1456
	iv	-0.65719	0.41497	-1.58	0.1392
Regressing IV on Mediator	Intercept	5577.80109	3166.92888	1.76	0.1036
	iv	-93.88283	211.90363	-0.44	0.6656

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-93.88283	211.90363	-0.000417	0.0005769	-0.657193	0.4149744

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2444771	0.8068614
GoodmanII	.	.
Sobel	0.3778599	0.7055346

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(5.96%)	-0.056283

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	10.61795	3.50758	3.03	0.0105
	iv	0.30122	0.15630	1.93	0.0780
	mediator	3.73532	2.59200	1.44	0.1751
Regressing IV on DV	Intercept	12.68559	3.33063	3.81	0.0022
	iv	0.27103	0.16118	1.68	0.1165
Regressing IV on Mediator	Intercept	0.55354	0.34248	1.62	0.1300
	iv	-0.00808	0.01657	-0.49	0.6340

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.008081	0.016574	3.7353216	2.5919951	0.2710317	0.1611806

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.385935	0.6995451
GoodmanII	-0.612836	0.5399847
Sobel	-0.461843	0.6441937

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(11.14%)	-0.100208

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	9.39561	4.04920	2.32	0.0387
	iv	0.09137	0.20546	0.44	0.6644
	mediator	0.10106	0.07498	1.35	0.2026
Regressing IV on DV	Intercept	12.68559	3.33063	3.81	0.0022
	iv	0.27103	0.16118	1.68	0.1165
Regressing IV on Mediator	Intercept	32.55556	11.95042	2.72	0.0174
	iv	1.77778	0.57832	3.07	0.0089

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.7777778	0.5783214	0.1010572	0.0749797	0.2710317	0.1611806

Mediation Results

Test	Test statistic	p-value
GoodmanI	1.1829781	0.2368178
GoodmanII	1.2930842	0.1959819
Sobel	1.2343632	0.2170676

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
66.29%	1.9661668

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.34528	4.53514	2.94	0.0134
	iv	0.36252	0.25815	1.40	0.1878
	mediator	-0.03348	0.09761	-0.34	0.7380
Regressing IV on DV	Intercept	12.39167	3.44891	3.59	0.0037
	iv	0.29837	0.17129	1.74	0.1071
Regressing IV on Mediator	Intercept	28.48000	10.59660	2.69	0.0198
	iv	1.91581	0.52627	3.64	0.0034

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.915814	0.5262709	-0.033483	0.0976131	0.2983728	0.1712869

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.329412	0.7418443
GoodmanII	-0.355045	0.7225559
Sobel	-0.341509	0.7327204

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(21.50%)	-0.17695

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	12.88027	3.89916	3.30	0.0070
	iv	0.39965	0.33270	1.20	0.2549
	mediator	-0.04088	0.08724	-0.47	0.6485
Regressing IV on DV	Intercept	12.62943	3.73453	3.38	0.0054
	iv	0.27488	0.19287	1.43	0.1796
Regressing IV on Mediator	Intercept	6.13610	12.77978	0.48	0.6398
	iv	3.05217	0.66001	4.62	0.0006

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
3.0521698	0.6600077	-0.04088	0.0872418	0.2748781	0.1928687

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.455764	0.6485597
GoodmanII	-0.477371	0.633098
Sobel	-0.466192	0.6410778

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(45.39%)	-0.312203

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	10.47679	3.38991	3.09	0.0094
	iv	0.30131	0.15216	1.98	0.0711
	mediator	0.05947	0.03557	1.67	0.1203
Regressing IV on DV	Intercept	12.68559	3.33063	3.81	0.0022
	iv	0.27103	0.16118	1.68	0.1165
Regressing IV on Mediator	Intercept	37.13939	24.34466	1.53	0.1511
	iv	-0.50909	1.17812	-0.43	0.6727

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.509091	1.1781206	0.0594732	0.0355673	0.2710317	0.1611806

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.362063	0.7173048
GoodmanII	-0.513147	0.6078487
Sobel	-0.418377	0.6756718

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(11.17%)	-0.100486

URS-F: Results from regression analysis
DV= CMA, IV= FSS_Katastroph., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.11884	4.30781	2.58	0.0274
	iv	0.55758	0.42346	1.32	0.2173
	mediator	-0.00074304	0.00113	-0.66	0.5269
Regressing IV on DV	Intercept	12.09775	3.93464	3.07	0.0106
	iv	0.31907	0.21101	1.51	0.1587
Regressing IV on Mediator	Intercept	-1317.44548	1074.96229	-1.23	0.2460
	iv	320.99907	57.64952	5.57	0.0002

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
320.99907	57.649519	-0.000743	0.0011334	0.3190684	0.2110119

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.640989	0.5215302
GoodmanII	-0.661715	0.5081538
Sobel	-0.651105	0.514979

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(74.75%)	-0.427766

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6.11439	1.39718	4.38	0.0009
	iv	0.14424	0.06226	2.32	0.0390
	mediator	1.46844	1.03247	1.42	0.1804
Regressing IV on DV	Intercept	6.92722	1.32415	5.23	0.0002
	iv	0.13237	0.06408	2.07	0.0594
Regressing IV on Mediator	Intercept	0.55354	0.34248	1.62	0.1300
	iv	-0.00808	0.01657	-0.49	0.6340

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.008081	0.016574	1.4684352	1.0324729	0.1323738	0.0640801

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.384026	0.700959
GoodmanII	-0.617633	0.5368173
Sobel	-0.461212	0.6446466

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(8.96%)	-0.082267

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.47687	1.58161	3.46	0.0047
	iv	0.05317	0.08025	0.66	0.5201
	mediator	0.04455	0.02929	1.52	0.1541
Regressing IV on DV	Intercept	6.92722	1.32415	5.23	0.0002
	iv	0.13237	0.06408	2.07	0.0594
Regressing IV on Mediator	Intercept	32.55556	11.95042	2.72	0.0174
	iv	1.77778	0.57832	3.07	0.0089

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.7777778	0.5783214	0.04455	0.029287	0.1323738	0.0640801

Mediation Results

Test	Test statistic	p-value
GoodmanI	1.308865	0.1905801
GoodmanII	1.4252885	0.1540738
Sobel	1.3633626	0.1727683

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
59.83%	1.489455

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6.62035	1.82846	3.62	0.0040
	iv	0.10486	0.10408	1.01	0.3353
	mediator	0.01228	0.03936	0.31	0.7609
Regressing IV on DV	Intercept	6.97007	1.38924	5.02	0.0003
	iv	0.12839	0.06900	1.86	0.0874
Regressing IV on Mediator	Intercept	28.48000	10.59660	2.69	0.0198
	iv	1.91581	0.52627	3.64	0.0034

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.915814	0.5262709	0.0122792	0.0393552	0.1283882	0.0689955

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2998434	0.7642966
GoodmanII	0.3232124	0.7465344
Sobel	0.3108711	0.7558986

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
18.32%	0.2243369

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6.51301	1.47613	4.41	0.0010
	iv	0.23220	0.12595	1.84	0.0923
	mediator	-0.02058	0.03303	-0.62	0.5460
Regressing IV on DV	Intercept	6.38675	1.42439	4.48	0.0007
	iv	0.16939	0.07356	2.30	0.0400
Regressing IV on Mediator	Intercept	6.13610	12.77978	0.48	0.6398
	iv	3.05217	0.66001	4.62	0.0006

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
3.0521698	0.6600077	-0.020577	0.0330277	0.1693925	0.073562

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.603739	0.5460174
GoodmanII	-0.632134	0.5272996
Sobel	-0.617447	0.53694

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(37.08%)	-0.27048

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6.04894	1.34767	4.49	0.0007
	iv	0.14441	0.06049	2.39	0.0343
	mediator	0.02365	0.01414	1.67	0.1203
Regressing IV on DV	Intercept	6.92722	1.32415	5.23	0.0002
	iv	0.13237	0.06408	2.07	0.0594
Regressing IV on Mediator	Intercept	37.13939	24.34466	1.53	0.1511
	iv	-0.50909	1.17812	-0.43	0.6727

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.509091	1.1781206	0.0236483	0.0141399	0.1323738	0.0640801

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.362084	0.7172893
GoodmanII	-0.513106	0.6078769
Sobel	-0.418382	0.6756681

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(9.09%)	-0.083366

URS-F: Results from regression analysis
DV= CGA, IV= FSS_Katastroph., Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.91628	1.65240	3.58	0.0050
	iv	0.28315	0.16243	1.74	0.1119
	mediator	-0.00035297	0.00043474	-0.81	0.4357
Regressing IV on DV	Intercept	6.38130	1.52576	4.18	0.0015
	iv	0.16984	0.08183	2.08	0.0622
Regressing IV on Mediator	Intercept	-1317.44548	1074.96229	-1.23	0.2460
	iv	320.99907	57.64952	5.57	0.0002

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
320.99907	57.649519	-0.000353	0.0004347	0.1698449	0.0818257

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.791018	0.4289334
GoodmanII	-0.816408	0.4142669
Sobel	-0.803412	0.4217365

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(66.71%)	-0.400156

URS-M: Results from regression analysis
DV= CGA, IV= SI_momentan, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.57438	4.84270	2.39	0.0482
	iv	1.51428	0.64169	2.36	0.0504
	mediator	-0.12150	0.06596	-1.84	0.1080
Regressing IV on DV	Intercept	4.39327	3.27448	1.34	0.2165
	iv	1.11679	0.68879	1.62	0.1436
Regressing IV on Mediator	Intercept	59.10494	15.39919	3.84	0.0050
	iv	3.27160	3.23924	1.01	0.3421

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
3.2716049	3.239245	-0.121498	0.065959	1.1167919	0.6887931

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.799627	0.4239269
GoodmanII	-1.007015	0.3139277
Sobel	-0.885602	0.3758321

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(35.59%)	-0.262495

URS-M: Results from regression analysis
DV= CGA, IV= SI_momentan, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	8.22076	3.92953	2.09	0.0747
	iv	1.65591	0.72835	2.27	0.0572
	mediator	-0.08374	0.05474	-1.53	0.1699
Regressing IV on DV	Intercept	4.39327	3.27448	1.34	0.2165
	iv	1.11679	0.68879	1.62	0.1436
Regressing IV on Mediator	Intercept	45.70432	19.57412	2.33	0.0478
	iv	6.43765	4.11745	1.56	0.1566

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
6.4376543	4.1174478	-0.083745	0.0547352	1.1167919	0.6887931

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.994539	0.3199607
GoodmanII	-1.229509	0.2188811
Sobel	-1.093525	0.2741632

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(48.27%)	-0.325572

URS-M: Results from regression analysis
DV= CGA, IV= SI_momentan, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.56555	3.90856	1.42	0.1975
	iv	1.25681	0.75271	1.67	0.1389
	mediator	-0.02681	0.04369	-0.61	0.5588
Regressing IV on DV	Intercept	4.39327	3.27448	1.34	0.2165
	iv	1.11679	0.68879	1.62	0.1436
Regressing IV on Mediator	Intercept	43.72222	27.59661	1.58	0.1518
	iv	5.22222	5.80499	0.90	0.3946

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
5.2222222	5.8049907	-0.026812	0.0436875	1.1167919	0.6887931

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.373428	0.70883
GoodmanII	-1.280337	0.2004267
Sobel	-0.506983	0.6121668

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(12.54%)	-0.111408

URS-M: Results from regression analysis
DV= CGA, IV= SI_momentan, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.29664	3.46184	1.53	0.1699
	iv	1.38238	0.75674	1.83	0.1105
	mediator	-0.00036904	0.00040945	-0.90	0.3974
Regressing IV on DV	Intercept	4.39327	3.27448	1.34	0.2165
	iv	1.11679	0.68879	1.62	0.1436
Regressing IV on Mediator	Intercept	2447.87778	2861.22219	0.86	0.4171
	iv	719.67778	601.86261	1.20	0.2660

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
719.67778	601.86261	-0.000369	0.0004094	1.1167919	0.6887931

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.598546	0.5494757
GoodmanII	-0.966993	0.3335477
Sobel	-0.719748	0.4716799

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(23.78%)	-0.192126

URS-M: Results from regression analysis
DV= CMA, IV= SI_momentan, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	21.61053	9.12624	2.37	0.0498
	iv	3.14957	1.20928	2.60	0.0352
	mediator	-0.25394	0.12430	-2.04	0.0804
Regressing IV on DV	Intercept	6.60139	6.39841	1.03	0.3324
	iv	2.31877	1.34592	1.72	0.1232
Regressing IV on Mediator	Intercept	59.10494	15.39919	3.84	0.0050
	iv	3.27160	3.23924	1.01	0.3421

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
3.2716049	3.239245	-0.25394	0.1243021	2.3187743	1.3459165

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.829082	0.4070581
GoodmanII	-1.007569	0.3136614
Sobel	-0.905387	0.3652601

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(35.83%)	-0.26378

URS-M: Results from regression analysis
DV= CMA, IV= SI_momentan, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	14.71802	7.44665	1.98	0.0886
	iv	3.46204	1.38026	2.51	0.0405
	mediator	-0.17759	0.10373	-1.71	0.1306
Regressing IV on DV	Intercept	6.60139	6.39841	1.03	0.3324
	iv	2.31877	1.34592	1.72	0.1232
Regressing IV on Mediator	Intercept	45.70432	19.57412	2.33	0.0478
	iv	6.43765	4.11745	1.56	0.1566

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
6.4376543	4.1174478	-0.17759	0.1037257	2.3187743	1.3459165

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.060136	0.2890828
GoodmanII	-1.279673	0.2006602
Sobel	-1.154534	0.2482811

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(49.30%)	-0.330228

URS-M: Results from regression analysis
DV= CMA, IV= SI_momentan, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	9.73811	7.45543	1.31	0.2328
	iv	2.69343	1.43577	1.88	0.1028
	mediator	-0.07174	0.08333	-0.86	0.4178
Regressing IV on DV	Intercept	6.60139	6.39841	1.03	0.3324
	iv	2.31877	1.34592	1.72	0.1232
Regressing IV on Mediator	Intercept	43.72222	27.59661	1.58	0.1518
	iv	5.22222	5.80499	0.90	0.3946

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
5.2222222	5.8049907	-0.071742	0.0833323	2.3187743	1.3459165

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.484958	0.6277064
GoodmanII	-1.043871	0.296545
Sobel	-0.621988	0.5339496

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(16.16%)	-0.139099

URS-M: Results from regression analysis
DV= CMA, IV= SI_momentan, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	8.68960	6.60586	1.32	0.2298
	iv	2.93271	1.44401	2.03	0.0818
	mediator	-0.00085307	0.00078131	-1.09	0.3110
Regressing IV on DV	Intercept	6.60139	6.39841	1.03	0.3324
	iv	2.31877	1.34592	1.72	0.1232
Regressing IV on Mediator	Intercept	2447.87778	2861.22219	0.86	0.4171
	iv	719.67778	601.86261	1.20	0.2660

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
719.67778	601.86261	-0.000853	0.0007813	2.3187743	1.3459165

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.686012	0.4927058
GoodmanII	-1.025142	0.3052964
Sobel	-0.806288	0.4200765

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(26.48%)	-0.209341

URS-M: Results from regression analysis
DV= AUC, IV= SI_momentan, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6894.87374	3303.03070	2.09	0.0753
	iv	1224.20091	437.67129	2.80	0.0266
	mediator	-92.47884	44.98825	-2.06	0.0789
Regressing IV on DV	Intercept	1428.91776	2321.14103	0.62	0.5553
	iv	921.64669	488.25569	1.89	0.0958
Regressing IV on Mediator	Intercept	59.10494	15.39919	3.84	0.0050
	iv	3.27160	3.23924	1.01	0.3421

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
3.2716049	3.239245	-92.47884	44.988248	921.64669	488.25569

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.830751	0.4061141
GoodmanII	-1.007599	0.3136471
Sobel	-0.906484	0.3646797

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(32.83%)	-0.247144

URS-M: Results from regression analysis
DV= AUC, IV= SI_momentan, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5213.13605	2303.45574	2.26	0.0581
	iv	1454.67046	426.95128	3.41	0.0113
	mediator	-82.79782	32.08524	-2.58	0.0364
Regressing IV on DV	Intercept	1428.91776	2321.14103	0.62	0.5553
	iv	921.64669	488.25569	1.89	0.0958
Regressing IV on Mediator	Intercept	45.70432	19.57412	2.33	0.0478
	iv	6.43765	4.11745	1.56	0.1566

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
6.4376543	4.1174478	-82.79782	32.085243	921.64669	488.25569

Mediation Results

Test	Test statistic	p-value
GoodmanI	-1.269317	0.204328
GoodmanII	-1.41732	0.1563893
Sobel	-1.337215	0.1811526

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(57.83%)	-0.366422

URS-M: Results from regression analysis
DV= AUC, IV= SI_momentan, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	3378.94502	2411.38226	1.40	0.2039
	iv	1154.55973	464.38566	2.49	0.0418
	mediator	-44.60037	26.95297	-1.65	0.1419
Regressing IV on DV	Intercept	1428.91776	2321.14103	0.62	0.5553
	iv	921.64669	488.25569	1.89	0.0958
Regressing IV on Mediator	Intercept	43.72222	27.59661	1.58	0.1518
	iv	5.22222	5.80499	0.90	0.3946

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
5.2222222	5.8049907	-44.60037	26.952972	921.64669	488.25569

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.698071	0.4851325
GoodmanII	-0.932674	0.3509885
Sobel	-0.790361	0.4293173

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(25.27%)	-0.201733

URS-M: Results from regression analysis
DV= AUC, IV= SI_momentan, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	2560.82364	2130.07059	1.20	0.2684
	iv	1254.42781	465.62477	2.69	0.0309
	mediator	-0.46240	0.25193	-1.84	0.1091
Regressing IV on DV	Intercept	1428.91776	2321.14103	0.62	0.5553
	iv	921.64669	488.25569	1.89	0.0958
Regressing IV on Mediator	Intercept	2447.87778	2861.22219	0.86	0.4171
	iv	719.67778	601.86261	1.20	0.2660

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
719.67778	601.86261	-0.462403	0.2519341	921.64669	488.25569

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.911411	0.3620788
GoodmanII	-1.126069	0.2601364
Sobel	-1.001887	0.3163979

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(36.11%)	-0.265285

C Beeinflussung der Zusammenhänge zwischen Cortisolparametern und experimentellen Schmerzmaßen durch Komorbiditätsfaktoren

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-16569	15255	-1.09	0.2971
	iv	482.63201	340.64179	1.42	0.1800
	mediator	-617.49655	811.26026	-0.76	0.4601
Regressing IV on DV	Intercept	-18304	14855	-1.23	0.2382
	iv	515.46595	332.78452	1.55	0.1437
Regressing IV on Mediator	Intercept	2.81020	4.96900	0.57	0.5807
	iv	-0.05317	0.11132	-0.48	0.6403

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.053173	0.1113175	-617.4966	811.26026	515.46595	332.78452

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2704315	0.7868283
GoodmanII	.	.
Sobel	0.4045958	0.6857747

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
6.37%	0.068031

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-18402	15409	-1.19	0.2537
	iv	513.01212	345.26691	1.49	0.1612
	mediator	3.03524	17.87340	0.17	0.8678
Regressing IV on DV	Intercept	-18304	14855	-1.23	0.2382
	iv	515.46595	332.78452	1.55	0.1437
Regressing IV on Mediator	Intercept	32.30001	230.25499	0.14	0.8904
	iv	0.80845	5.15826	0.16	0.8777

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.8084485	5.1582572	3.0352408	17.873404	515.46595	332.78452

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0259321	0.9793115
GoodmanII	.	.
Sobel	0.1151741	0.9083071

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.48%	0.0047832

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-10440	12881	-0.81	0.4334
	iv	295.94853	297.40137	1.00	0.3393
	mediator	33.20046	17.29094	1.92	0.0789
Regressing IV on DV	Intercept	-18342	13408	-1.37	0.1945
	iv	520.50218	300.37322	1.73	0.1068
Regressing IV on Mediator	Intercept	-237.99052	195.77950	-1.22	0.2458
	iv	6.76357	4.38607	1.54	0.1470

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
6.7635706	4.3860678	33.200459	17.290936	520.50218	300.37322

Mediation Results

Test	Test statistic	p-value
GoodmanI	1.1139807	0.2652874
GoodmanII	1.3156701	0.1882848
Sobel	1.2023187	0.2292401

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
43.14%	0.7587591

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-22938	17678	-1.30	0.2188
	iv	633.68269	407.44213	1.56	0.1458
	mediator	-10.40895	17.67939	-0.59	0.5669
Regressing IV on DV	Intercept	-18306	15428	-1.19	0.2566
	iv	515.49856	345.53867	1.49	0.1596
Regressing IV on Mediator	Intercept	-444.96312	248.35325	-1.79	0.0965
	iv	11.35409	5.56231	2.04	0.0621

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
11.354086	5.562307	-10.40895	17.679391	515.49856	345.53867

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.511833	0.6087676
GoodmanII	-0.641173	0.52141
Sobel	-0.565701	0.5715971

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(22.93%)	-0.186504

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-16325	15418	-1.06	0.3090
	iv	476.39690	344.03897	1.38	0.1894
	mediator	-7.46290	10.89488	-0.68	0.5054
Regressing IV on DV	Intercept	-18304	14855	-1.23	0.2382
	iv	515.46595	332.78452	1.55	0.1437
Regressing IV on Mediator	Intercept	265.22832	371.51430	0.71	0.4870
	iv	-5.23510	8.32280	-0.63	0.5395

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-5.235102	8.3228002	-7.462903	10.894882	515.46595	332.78452

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3155131	0.7523721
GoodmanII	.	.
Sobel	0.4633051	0.6431457

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
7.58%	0.0820095

URS-F: Results from regression analysis
DV= AUC, IV= ptton, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-11413	17307	-0.66	0.5232
	iv	352.88882	398.21493	0.89	0.3945
	mediator	0.13188	0.18853	0.70	0.4987
Regressing IV on DV	Intercept	-18270	13957	-1.31	0.2150
	iv	519.18940	312.59452	1.66	0.1226
Regressing IV on Mediator	Intercept	-51993	21840	-2.38	0.0347
	iv	1260.97055	489.15934	2.58	0.0242

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1260.9705	489.15934	0.131883	0.1885313	519.1894	312.59452

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.632256	0.5272196
GoodmanII	0.728062	0.4665757
Sobel	0.6751129	0.499604

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
32.03%	0.4712549

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-15428	16993	-0.91	0.3805
	iv	458.24330	380.42002	1.20	0.2498
	mediator	-636.12612	826.81716	-0.77	0.4554
Regressing IV on DV	Intercept	-17367	16558	-1.05	0.3120
	iv	495.54304	371.77841	1.33	0.2039
Regressing IV on Mediator	Intercept	3.04822	5.43199	0.56	0.5836
	iv	-0.05864	0.12196	-0.48	0.6381

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.058636	0.1219647	-636.1261	826.81716	495.54304	371.77841

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2739442	0.7841275
GoodmanII	.	.
Sobel	0.4077063	0.6834893

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
7.53%	0.0813973

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-17666	17196	-1.03	0.3230
	iv	495.78899	385.02119	1.29	0.2203
	mediator	4.21130	18.18950	0.23	0.8205
Regressing IV on DV	Intercept	-17367	16558	-1.05	0.3120
	iv	495.54304	371.77841	1.33	0.2039
Regressing IV on Mediator	Intercept	70.97525	251.95518	0.28	0.7823
	iv	-0.05840	5.65716	-0.01	0.9919

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.058401	5.6571561	4.2113002	18.189502	495.54304	371.77841

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.002328	0.9981422
GoodmanII	.	.
Sobel	-0.010313	0.9917715

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(0.05%)	-0.000496

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-11403	14126	-0.81	0.4352
	iv	317.88045	325.96874	0.98	0.3487
	mediator	33.55514	17.22605	1.95	0.0752
Regressing IV on DV	Intercept	-20047	14783	-1.36	0.1982
	iv	560.22611	332.10003	1.69	0.1155
Regressing IV on Mediator	Intercept	-257.58808	215.93326	-1.19	0.2542
	iv	7.22231	4.85100	1.49	0.1604

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
7.2223122	4.8509991	33.555135	17.226051	560.22611	332.10003

Mediation Results

Test	Test statistic	p-value
GoodmanI	1.0952846	0.273392
GoodmanII	1.2955501	0.1951305
Sobel	1.1828873	0.2368538

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
43.26%	0.7623799

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-22100	19987	-1.11	0.2905
	iv	614.89220	461.21619	1.33	0.2072
	mediator	-9.20400	18.25951	-0.50	0.6233
Regressing IV on DV	Intercept	-17422	17186	-1.01	0.3292
	iv	497.02910	385.97666	1.29	0.2203
Regressing IV on Mediator	Intercept	-508.22142	268.87918	-1.89	0.0812
	iv	12.80563	6.03853	2.12	0.0538

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
12.805633	6.0385328	-9.204004	18.259514	497.0291	385.97666

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.445734	0.6557892
GoodmanII	-0.551911	0.5810093
Sobel	-0.490403	0.6238487

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(23.71%)	-0.191681

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-14962	17255	-0.87	0.4016
	iv	446.89988	385.88753	1.16	0.2677
	mediator	-7.56340	11.15217	-0.68	0.5095
Regressing IV on DV	Intercept	-17367	16558	-1.05	0.3120
	iv	495.54304	371.77841	1.33	0.2039
Regressing IV on Mediator	Intercept	317.97847	404.69517	0.79	0.4451
	iv	-6.43139	9.08663	-0.71	0.4907

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-6.431387	9.0866309	-7.563403	11.152172	495.54304	371.77841

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3427915	0.7317553
GoodmanII	.	.
Sobel	0.4896851	0.6243568

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
9.82%	0.1088458

URS-F: Results from regression analysis
DV= AUC, IV= ptadj, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-12554	18821	-0.67	0.5185
	iv	379.22893	433.18482	0.88	0.4000
	mediator	0.13652	0.18632	0.73	0.4790
Regressing IV on DV	Intercept	-20202	15356	-1.32	0.2129
	iv	564.29958	345.07841	1.64	0.1279
Regressing IV on Mediator	Intercept	-56019	24265	-2.31	0.0396
	iv	1355.59090	545.28506	2.49	0.0286

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1355.5909	545.28506	0.136524	0.1863155	564.29958	345.07841

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.6557434	0.5119892
GoodmanII	0.761854	0.4461472
Sobel	0.7028611	0.4821423

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
32.80%	0.4880183

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-15208	11109	-1.37	0.1942
	iv	446.11658	244.60691	1.82	0.0912
	mediator	-943.62323	777.86757	-1.21	0.2467
Regressing IV on DV	Intercept	-13901	11241	-1.24	0.2366
	iv	408.34854	246.66987	1.66	0.1201
Regressing IV on Mediator	Intercept	-1.38537	3.79876	-0.36	0.7208
	iv	0.04002	0.08336	0.48	0.6385

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
0.0400245	0.083359	-943.6232	777.86757	408.34854	246.66987

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.354335	0.7230882
GoodmanII	-0.695118	0.4869814
Sobel	-0.446447	0.6552741

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(9.25%)	-0.08466

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-13893	11665	-1.19	0.2549
	iv	406.89605	257.72538	1.58	0.1384
	mediator	0.85892	17.81493	0.05	0.9623
Regressing IV on DV	Intercept	-13901	11241	-1.24	0.2366
	iv	408.34854	246.66987	1.66	0.1201
Regressing IV on Mediator	Intercept	-8.64284	174.98894	-0.05	0.9613
	iv	1.69107	3.83991	0.44	0.6664

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.6910738	3.8399134	0.8589182	17.814933	408.34854	246.66987

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0194131	0.9845116
GoodmanII	.	.
Sobel	0.047927	0.9617744

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.36%	0.0035697

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-10743	9240.16672	-1.16	0.2676
	iv	298.02213	209.28776	1.42	0.1799
	mediator	32.29053	16.22068	1.99	0.0698
Regressing IV on DV	Intercept	-14985	9963.09699	-1.50	0.1565
	iv	436.47984	218.73336	2.00	0.0674
Regressing IV on Mediator	Intercept	-131.38403	153.73384	-0.85	0.4082
	iv	4.28787	3.37513	1.27	0.2262

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
4.2878742	3.3751272	32.290527	16.220683	436.47984	218.73336

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.9861604	0.3240544
GoodmanII	1.1821501	0.2371462
Sobel	1.0709318	0.2842001

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
31.72%	0.4645887

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-15748	12767	-1.23	0.2410
	iv	453.52149	284.88633	1.59	0.1374
	mediator	-4.07539	15.97954	-0.26	0.8030
Regressing IV on DV	Intercept	-15059	12021	-1.25	0.2324
	iv	432.92008	263.18704	1.64	0.1239
Regressing IV on Mediator	Intercept	-168.94767	216.57273	-0.78	0.4493
	iv	5.05508	4.74172	1.07	0.3058

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
5.0550826	4.7417196	-4.075385	15.979536	432.92008	263.18704

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.183244	0.8546068
GoodmanII	-0.605576	0.5447966
Sobel	-0.248039	0.8041043

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(4.76%)	-0.045425

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-15172	11130	-1.36	0.1960
	iv	444.80927	245.03376	1.82	0.0926
	mediator	-12.31811	10.36133	-1.19	0.2558
Regressing IV on DV	Intercept	-13901	11241	-1.24	0.2366
	iv	408.34854	246.66987	1.66	0.1201
Regressing IV on Mediator	Intercept	-103.18124	285.76365	-0.36	0.7234
	iv	2.95993	6.27073	0.47	0.6442

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
2.9599284	6.2707258	-12.31811	10.361329	408.34854	246.66987

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.345624	0.729625
GoodmanII	-0.703561	0.4817061
Sobel	-0.438709	0.6608725

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(8.93%)	-0.081969

URS-F: Results from regression analysis
DV= AUC, IV= ptlim, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	-12768	11003	-1.16	0.2705
	iv	372.16032	245.01857	1.52	0.1570
	mediator	0.16062	0.14982	1.07	0.3066
Regressing IV on DV	Intercept	-15819	10694	-1.48	0.1648
	iv	454.12556	234.22979	1.94	0.0764
Regressing IV on Mediator	Intercept	-19000	20479	-0.93	0.3718
	iv	510.30907	448.54077	1.14	0.2774

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
510.30907	448.54077	0.1606188	0.1498177	454.12556	234.22979

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.6572758	0.5110036
GoodmanII	1.0151158	0.3100506
Sobel	0.7802514	0.4352429

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
18.05%	0.2202418

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	7.76064	0.76238	10.18	<.0001
	iv	9.52846	3.58853	2.66	0.0198
	mediator	1.30900	1.01100	1.29	0.2179
Regressing IV on DV	Intercept	8.39688	0.59680	14.07	<.0001
	iv	8.79578	3.62823	2.42	0.0295
Regressing IV on Mediator	Intercept	0.48605	0.15409	3.15	0.0070
	iv	-0.55973	0.93677	-0.60	0.5597

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.559729	0.936773	1.3089986	1.0109978	8.7957751	3.6282263

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.444188	0.6569069
GoodmanII	-0.761018	0.4466464
Sobel	-0.542525	0.5874572

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(8.33%)	-0.076894

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	6.02902	1.52372	3.96	0.0016
	iv	8.48691	3.42085	2.48	0.0276
	mediator	0.03502	0.02095	1.67	0.1184
Regressing IV on DV	Intercept	8.39688	0.59680	14.07	<.0001
	iv	8.79578	3.62823	2.42	0.0295
Regressing IV on Mediator	Intercept	67.61005	7.16821	9.43	<.0001
	iv	8.81924	43.57908	0.20	0.8425

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
8.8192357	43.579083	0.0350222	0.0209487	8.7957751	3.6282263

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1727452	0.8628517
GoodmanII	0.2496979	0.802821
Sobel	0.2009065	0.8407717

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.51%	0.0363936

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5.88674	1.66086	3.54	0.0040
	iv	8.52342	3.72597	2.29	0.0411
	mediator	0.03933	0.02442	1.61	0.1332
Regressing IV on DV	Intercept	8.39045	0.61986	13.54	<.0001
	iv	8.59544	3.94757	2.18	0.0485
Regressing IV on Mediator	Intercept	63.66123	6.64518	9.58	<.0001
	iv	1.83131	42.31991	0.04	0.9661

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.8313125	42.319907	0.0393287	0.024417	8.5954383	3.9475693

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0367544	0.9706808
GoodmanII	0.0551675	0.956005
Sobel	0.0432575	0.9654963

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.84%	0.00845

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	7.26610	1.30255	5.58	0.0001
	iv	9.11011	4.00633	2.27	0.0421
	mediator	0.01915	0.01925	0.99	0.3396
Regressing IV on DV	Intercept	8.41002	0.61118	13.76	<.0001
	iv	9.64284	3.96872	2.43	0.0303
Regressing IV on Mediator	Intercept	59.74118	8.80856	6.78	<.0001
	iv	27.82194	57.19868	0.49	0.6348

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
27.821939	57.198685	0.0191478	0.0192519	9.6428429	3.9687203

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3242675	0.7457355
GoodmanII	1.0180586	0.3086501
Sobel	0.4369539	0.6621448

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
5.52%	0.0584767

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	7.56684	0.75734	9.99	<.0001
	iv	10.38361	3.56089	2.92	0.0120
	mediator	0.02189	0.01334	1.64	0.1247
Regressing IV on DV	Intercept	8.39688	0.59680	14.07	<.0001
	iv	8.79578	3.62823	2.42	0.0295
Regressing IV on Mediator	Intercept	37.91622	11.29347	3.36	0.0047
	iv	-72.53282	68.65858	-1.06	0.3087

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-72.53282	68.658583	0.0218913	0.0133397	8.7957751	3.6282263

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.790556	0.4292032
GoodmanII	-1.034378	0.3009594
Sobel	-0.888286	0.374387

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(18.05%)	-0.152918

URS-F: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	7.37934	1.09882	6.72	<.0001
	iv	9.22923	4.36512	2.11	0.0581
	mediator	0.00024481	0.00021435	1.14	0.2777
Regressing IV on DV	Intercept	8.40776	0.63765	13.19	<.0001
	iv	9.56510	4.41008	2.17	0.0509
Regressing IV on Mediator	Intercept	4200.90359	848.04106	4.95	0.0003
	iv	1371.94669	5865.21841	0.23	0.8190

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1371.9467	5865.2184	0.0002448	0.0002144	9.5651	4.4100815

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1739321	0.8619188
GoodmanII	0.4458265	0.6557226
Sobel	0.2291553	0.8187482

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.51%	0.0363916

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= RM/IBS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.46267	1.71490	7.85	<.0001
	iv	25.56509	8.07206	3.17	0.0074
	mediator	3.37695	2.27414	1.48	0.1614
Regressing IV on DV	Intercept	15.10403	1.36640	11.05	<.0001
	iv	23.67491	8.30703	2.85	0.0129
Regressing IV on Mediator	Intercept	0.48605	0.15409	3.15	0.0070
	iv	-0.55973	0.93677	-0.60	0.5597

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.559729	0.936773	3.3769545	2.2741424	23.674909	8.3070287

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.470112	0.6382751
GoodmanII	-0.709911	0.4777593
Sobel	-0.554316	0.5793625

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(7.98%)	-0.073936

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	10.38964	3.57890	2.90	0.0123
	iv	23.05995	8.03486	2.87	0.0131
	mediator	0.06973	0.04920	1.42	0.1800
Regressing IV on DV	Intercept	15.10403	1.36640	11.05	<.0001
	iv	23.67491	8.30703	2.85	0.0129
Regressing IV on Mediator	Intercept	67.61005	7.16821	9.43	<.0001
	iv	8.81924	43.57908	0.20	0.8425

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
8.8192357	43.579083	0.0697291	0.0492042	23.674909	8.3070287

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1642365	0.869545
GoodmanII	0.279981	0.7794921
Sobel	0.2003407	0.8412142

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
2.60%	0.0266678

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.13544	3.86992	2.88	0.0139
	iv	26.02110	8.68179	3.00	0.0111
	mediator	0.06358	0.05689	1.12	0.2856
Regressing IV on DV	Intercept	15.18307	1.37613	11.03	<.0001
	iv	26.13754	8.76387	2.98	0.0106
Regressing IV on Mediator	Intercept	63.66123	6.64518	9.58	<.0001
	iv	1.83131	42.31991	0.04	0.9661

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1.8313125	42.319907	0.0635807	0.0568934	26.137539	8.7638748

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0322341	0.9742853
GoodmanII	0.0965699	0.923068
Sobel	0.0432407	0.9655097

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.45%	0.0044747

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.62963	3.10897	4.38	0.0009
	iv	22.95793	9.56241	2.40	0.0335
	mediator	0.02467	0.04595	0.54	0.6011
Regressing IV on DV	Intercept	15.10356	1.41887	10.64	<.0001
	iv	23.64435	9.21350	2.57	0.0235
Regressing IV on Mediator	Intercept	59.74118	8.80856	6.78	<.0001
	iv	27.82194	57.19868	0.49	0.6348

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
27.821939	57.198685	0.0246718	0.0459508	23.644347	9.2135016

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2114914	0.8325039
GoodmanII	.	.
Sobel	0.3604806	0.7184878

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
2.90%	0.029899

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= RM/IBS*GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	12.98732	1.69021	7.68	<.0001
	iv	27.72413	7.94710	3.49	0.0040
	mediator	0.05583	0.02977	1.88	0.0834
Regressing IV on DV	Intercept	15.10403	1.36640	11.05	<.0001
	iv	23.67491	8.30703	2.85	0.0129
Regressing IV on Mediator	Intercept	37.91622	11.29347	3.36	0.0047
	iv	-72.53282	68.65858	-1.06	0.3087

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-72.53282	68.658583	0.055826	0.0297711	23.674909	8.3070287

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.834714	0.4038785
GoodmanII	-1.039416	0.2986112
Sobel	-0.920412	0.3573575

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(17.10%)	-0.146054

URS-F: Results from regression analysis
DV= CMA, IV= ΔSlevel, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	13.39365	2.52499	5.30	0.0003
	iv	26.20053	10.03066	2.61	0.0242
	mediator	0.00042873	0.00049257	0.87	0.4027
Regressing IV on DV	Intercept	15.19470	1.43233	10.61	<.0001
	iv	26.78872	9.90627	2.70	0.0192
Regressing IV on Mediator	Intercept	4200.90359	848.04106	4.95	0.0003
	iv	1371.94669	5865.21841	0.23	0.8190

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
1371.9467	5865.2184	0.0004287	0.0004926	26.788722	9.9062736

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1512355	0.8797899
GoodmanII	.	.
Sobel	0.225897	0.8212815

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
2.20%	0.0224497

URS-M: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	16.43849	6.07962	2.70	0.0305
	iv	-7.62905	6.84161	-1.12	0.3016
	mediator	-0.08317	0.07773	-1.07	0.3201
Regressing IV on DV	Intercept	10.16727	1.63200	6.23	0.0003
	iv	-6.44486	6.81245	-0.95	0.3718
Regressing IV on Mediator	Intercept	75.40015	7.35710	10.25	<.0001
	iv	-14.23779	30.71080	-0.46	0.6553

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-14.23779	30.710801	-0.083173	0.0777258	-6.444861	6.8124507

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3229317	0.746747
GoodmanII	0.8268314	0.4083326
Sobel	0.4253999	0.6705452

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(18.37%)	-0.155221

URS-M: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	14.02710	5.21623	2.69	0.0311
	iv	-8.50060	7.46389	-1.14	0.2922
	mediator	-0.04843	0.06199	-0.78	0.4603
Regressing IV on DV	Intercept	10.16727	1.63200	6.23	0.0003
	iv	-6.44486	6.81245	-0.95	0.3718
Regressing IV on Mediator	Intercept	79.69467	9.54265	8.35	<.0001
	iv	-42.44526	39.83393	-1.07	0.3177

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-42.44526	39.833932	-0.048433	0.0619937	-6.444861	6.8124507

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.5023831	0.6153981
GoodmanII	0.963977	0.3350575
Sobel	0.6300486	0.5286628

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(31.90%)	-0.241834

URS-M: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.49786	3.91833	2.93	0.0219
	iv	-7.27483	7.53590	-0.97	0.3665
	mediator	-0.01829	0.04834	-0.38	0.7164
Regressing IV on DV	Intercept	10.16727	1.63200	6.23	0.0003
	iv	-6.44486	6.81245	-0.95	0.3718
Regressing IV on Mediator	Intercept	72.75671	12.63155	5.76	0.0004
	iv	-45.38277	52.72793	-0.86	0.4145

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-45.38277	52.727932	-0.018288	0.0483413	-6.444861	6.8124507

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2372306	0.8124779
GoodmanII	.	.
Sobel	0.3463342	0.7290916

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(12.88%)	-0.114088

URS-M: Results from regression analysis
DV= CGA, IV= ΔSlevel, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	11.63940	3.35298	3.47	0.0104
	iv	-7.73284	7.58244	-1.02	0.3418
	mediator	-0.00023159	0.00045344	-0.51	0.6252
Regressing IV on DV	Intercept	10.16727	1.63200	6.23	0.0003
	iv	-6.44486	6.81245	-0.95	0.3718
Regressing IV on Mediator	Intercept	6356.69254	1335.70230	4.76	0.0014
	iv	-5561.53014	5575.62927	-1.00	0.3477

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-5561.53	5575.6293	-0.000232	0.0004534	-6.444861	6.8124507

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3391942	0.7344634
GoodmanII	1.0072711	0.3138045
Sobel	0.4546093	0.6493904

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(19.98%)	-0.16656

KON-F: Results from regression analysis
DV= AUC, IV= dt_slope, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5250.31071	328.57174	15.98	<.0001
	iv	-6639.72705	2034.99396	-3.26	0.0224
	mediator	-0.01989	21.95265	-0.00	0.9993
Regressing IV on DV	Intercept	5250.09022	201.49030	26.06	<.0001
	iv	-6640.79650	1513.14771	-4.39	0.0046
Regressing IV on Mediator	Intercept	11.08729	4.10471	2.70	0.0355
	iv	53.77639	30.82544	1.74	0.1317

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
53.77639	30.825438	-0.019887	21.952654	-6640.796	1513.1477

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.000786	0.9993729
GoodmanII	-0.001106	0.9991179
Sobel	-0.000906	0.9992772

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
0.02%	0.0001611

KON-F: Results from regression analysis
DV= AUC, IV= dt_slope, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5576.95862	397.47233	14.03	<.0001
	iv	-6417.91702	2513.48201	-2.55	0.0433
	mediator	-7.88723	17.11110	-0.46	0.6611
Regressing IV on DV	Intercept	5453.37469	276.43032	19.73	<.0001
	iv	-5967.33842	2181.46675	-2.74	0.0291
Regressing IV on Mediator	Intercept	15.66887	6.48150	2.42	0.0463
	iv	-57.12764	51.14918	-1.12	0.3009

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-57.12764	51.149179	-7.887225	17.111097	-5967.338	2181.4668

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.3282432	0.7427278
GoodmanII	0.7591449	0.4477659
Sobel	0.426082	0.6700481

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(7.55%)	-0.070206

KON-F: Results from regression analysis
DV= AUC, IV= dt_slope, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5676.99770	437.68393	12.97	<.0001
	iv	-6256.76316	2310.61773	-2.71	0.0352
	mediator	-8.51297	12.55467	-0.68	0.5230
Regressing IV on DV	Intercept	5453.37469	276.43032	19.73	<.0001
	iv	-5967.33842	2181.46675	-2.74	0.0291
Regressing IV on Mediator	Intercept	26.26852	8.66306	3.03	0.0191
	iv	-33.99811	68.36509	-0.50	0.6342

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-33.99811	68.365091	-8.512965	12.55467	-5967.338	2181.4668

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.2580879	0.7963391
GoodmanII	.	.
Sobel	0.401013	0.6884106

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(4.85%)	-0.046258

KON-F: Results from regression analysis
DV= AUC, IV= dt_slope, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	5503.24052	335.96999	16.38	<.0001
	iv	-6192.02110	2443.97303	-2.53	0.0445
	mediator	-0.06592	0.20972	-0.31	0.7639
Regressing IV on DV	Intercept	5453.37469	276.43032	19.73	<.0001
	iv	-5967.33842	2181.46675	-2.74	0.0291
Regressing IV on Mediator	Intercept	756.50203	533.73722	1.42	0.1993
	iv	-3408.60477	4212.01986	-0.81	0.4450

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-3408.605	4212.0199	-0.065916	0.2097183	-5967.338	2181.4668

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.1920733	0.8476848
GoodmanII	.	.
Sobel	0.2929865	0.7695325

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(3.77%)	-0.036286

KON-M: Results from regression analysis
DV= CMA, IV= ptadj, Mediator= GBBB

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	128.36186	55.59954	2.31	0.0543
	iv	-2.52961	1.22066	-2.07	0.0770
	mediator	0.08810	0.08158	1.08	0.3160
Regressing IV on DV	Intercept	134.88838	55.84125	2.42	0.0421
	iv	-2.61350	1.23077	-2.12	0.0665
Regressing IV on Mediator	Intercept	74.08094	239.52777	0.31	0.7650
	iv	-0.95221	5.27933	-0.18	0.8614

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
-0.952213	5.2793339	0.0880999	0.0815811	-2.613499	1.2307743

Mediation Results

Test	Test statistic	p-value
GoodmanI	-0.131358	0.8954925
GoodmanII	-0.436928	0.6621632
Sobel	-0.177902	0.8588001

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
3.21%	0.0331632

KON-M: Results from regression analysis
DV= CMA, IV= ptadj, Mediator= ADS

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	126.80963	100.69273	1.26	0.2970
	iv	-2.43002	2.19942	-1.10	0.3499
	mediator	0.00579	0.06086	0.10	0.9303
Regressing IV on DV	Intercept	124.88254	85.54546	1.46	0.2181
	iv	-2.38300	1.85876	-1.28	0.2691
Regressing IV on Mediator	Intercept	-333.10351	810.33126	-0.41	0.7021
	iv	8.12700	17.60719	0.46	0.6684

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
8.1270006	17.60719	0.0057853	0.0608584	-2.383002	1.8587649

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.039691	0.9683395
GoodmanII	.	.
Sobel	0.093107	0.9258186

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(1.97%)	-0.019348

KON-M: Results from regression analysis
DV= CMA, IV= ptadj, Mediator= STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	158.29394	57.54692	2.75	0.0285
	iv	-3.19702	1.28802	-2.48	0.0421
	mediator	0.06488	0.05332	1.22	0.2631
Regressing IV on DV	Intercept	134.88838	55.84125	2.42	0.0421
	iv	-2.61350	1.23077	-2.12	0.0665
Regressing IV on Mediator	Intercept	-360.76085	359.61489	-1.00	0.3451
	iv	8.99402	7.92613	1.13	0.2893

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
8.9940208	7.9261253	0.0648783	0.0533223	-2.613499	1.2307743

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.7112573	0.4769248
GoodmanII	1.0383403	0.2991117
Sobel	0.8298483	0.4066246

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(22.33%)	-0.182519

KON-M: Results from regression analysis
DV= CMA, IV= ptadj, Mediator= ADS*STAI_T

Model	Variable	Parameter Estimate	StdErr	tvalue	probt
Regressing IV and Mediator on DV	Intercept	126.69810	98.67440	1.28	0.2893
	iv	-2.43003	2.14835	-1.13	0.3403
	mediator	0.00011440	0.00060795	0.19	0.8628
Regressing IV on DV	Intercept	124.88254	85.54546	1.46	0.2181
	iv	-2.38300	1.85876	-1.28	0.2691
Regressing IV on Mediator	Intercept	-15870	80765	-0.20	0.8538
	iv	411.12522	1754.88800	0.23	0.8263

Establishing Mediation
Paths a,b, and c

a	sa	b	sb	c	sc
411.12522	1754.888	0.0001144	0.0006079	-2.383002	1.8587649

Mediation Results

Test	Test statistic	p-value
GoodmanI	0.0422191	0.966324
GoodmanII	.	.
Sobel	0.1467077	0.8833627

Percent Mediated

Percent of the total effect that is mediated	Ratio of the indirect to the direct effect
(1.97%)	-0.019355

Anhang 18

Vorhersage von Cortisolparametern und klinischen Schmerzmaßen

Inhalt Anhang 18

A Multifaktorielle Vorhersage von Cortisolparametern
B Multifaktorielle Determination klinischer Schmerzmaße

Abk:

AMA= Absoluter Morgenanstieg,
CGA= Cortisol-Gesamtausschüttung,
CMA= Cortisol-Morgenausschüttung,
Sex= Geschlecht,
$SI_{momentan}$= momentane Schmerzintensität
$FABQ_{VAK}$= Fear Avoidance Belief Questionnaire (Pfingsten et al. 1997), Skala „Verursachung durch Aktivität“,
$FSS_{Katastroph.}$= Fragebogen Schmerzbezogener Selbstinstruktion (Flor et al. 1993), Skala „Katastrophisieren“,
PDI= Pain Disability Index (Dillmann et al. 1994),
Arztbes.= Anzahl der Arztbesuche,
$MPI_{Unterstütz.}$= Multidimensional Pain Inventory (Flor et al. 1990), Skala „erlebte Unterstützung“,
PT_{ton}= tonische Schmerzschwelle,
PT_{adj}= phasische selbst eingestellte Schmerzschwelle,
PT_{lim}= phasische Schmerzschwelle,
Sensibilisierungsparameter ΔT: ΔT_{level}= y-Achsenabschnitt, ΔT_{slope}= Steigungsgradient,
Sensibilisierungsparameter ΔS: ΔS_{level},= y-Achsenabschnitt ΔS_{slope}= Steigungsgradient,
RM/IBS= Reizmagen/Irritable Bowel Syndrome (Herschbach et al. 1993).
STAI= State-Trait Angstinventar – Trait Version (Laux et al. 1981),
GBBB= Giessener Beschwerdebogen, Skala „Gesamtbeschwerdedruck“ (Brähler & Scheer 1995),
R^2= Anteil aufgeklärter Varianz,
R_{adj}^2= adjustierter Anteil aufgeklärter Varianz,

A Multifaktorielle Vorhersage von Cortisolparametern

Hierarchische Regressionsmodelle zur Vorhersage des absoluten Cortisol-Morgenanstiegs („AMA“) und der mittleren Cortisol-Gesamtausschüttung („CGA“):

Gruppe	**Lineare Regressionsgleichung**	**F-Wert, R^2, R_{adj}^2**
AMA – Trait		
Schmerz-stichprobe Gesamt (N= 28)	AMA= 4.68 **–** ***0.055*Sex*** + **0.013*$SI_{momentan}$** **+** ***0.016* $MPI_{Unterstütz.}$*** **– 0.006*Arztbes. - 0.095*ΔS_{slope}**	F= 6.01 R^2 = 0.577 R_{adj}^2= 0.481
CGA – Trait		
Schmerz-stichprobe Gesamt (N= 29)	CGA= -0.196 **+ 0.081*$SI_{momentan}$** **–** ***0.029*$FABQ_{VAK}$*** **– 0.034*$FSS_{Katastroph.}$** + 0.01*PDI **– 0.179*$MPI_{Unterstütz.}$** +0.013*Arztbes**. +1.537*PT_{ton} - 1.466*PT_{adj}** – ***0.988*ΔS_{slope}*** + 1.142*ΔS_{level} + 0.418*RM/IBS	F= 2.96 R^2 = 0.657 R_{adj}^2= 0.435

Hierarchische Regressionsmodelle zur Vorhersage des absoluten Cortisol-Morgenanstiegs („AMA“) und der Cortisol-Gesamtausschüttung („CGA“):

AMA: Schmerzgesamt

	NVOLL
Datensätze=	28

	NVOLL
Vollständige Datensätze=	28

AMA: Schmerzgesamt

_BLOCK	_IC	Sex	$SI_{momentan}$	$MPI_{Unterstütz}$	Arztbes.	Δs_{slope}	_SS	_df	_F	_prob	_R2	_adjR2
Intercept	4.61438	.	.	.	.	.	0.21021	27	.	.	0.00000	0.00000
Sex	4.71560	-0.061611	.	.	.	.	0.18581	26	3.4145	0.07603	0.11608	0.08209
$SI_{momentan}$	4.68789	-0.058898	0.005812	.	.	.	0.18167	25	0.5700	0.45731	0.13579	0.06665
$MPI_{Unterstütz.}$	4.67251	-0.056007	0.005882	0.002880	.	.	0.18116	24	0.0673	0.79755	0.13820	0.03048
Arztbes.	4.69113	-0.060614	0.011825	0.009870	-.005911456	.	0.09844	23	19.3271	0.00021	0.53171	0.45027
Δs_{slope}	4.68242	-0.054954	0.012535	0.015880	-.006084328	-0.094684	0.08888	22	2.3671	0.13818	0.57720	0.48111

CGA: Schmerzgesamt

	NVOLL
Datensätze=	45

	NVOLL
Vollständige Datensätze=	29

CGA: Schmerzgesamt

_BLOCK	_IC	$SI_{momentan}$	$FABQ_{VAK}$	$FSS_{Katastroph.}$	PDI	$MPI_{Unterstütz.}$	Arztbes.	PT_{ton}	PT_{adj}	ΔS_{slope}	ΔS_{level}	RM/IBS
Intercept	2.23140	.	.	.	.	.	.	.	.	.	.	.
$SI_{momentan}$	2.07569	0.039267	.	.	.	.	.	.	.	.	.	.
$FABQ_{VAK}$	2.03074	0.040193	0.002708	.	.	.	.	.	.	.	.	.
$FSS_{Katastroph.}$	2.02290	0.039099	0.002536	0.000790	.	.	.	.	.	.	.	.
PDI	2.04993	0.049539	0.003490	0.003800	-0.005102	.	.	.	.	.	.	.
$MPI_{Unterstütz.}$	2.13095	0.046979	0.003178	0.002690	-0.003644	-0.02382	.	.	.	.	.	.
Arztbes.	2.13151	0.047556	0.003175	0.002661	-0.003481	-0.02321	-0.000906	.	.	.	.	.
PT_{ton}	-0.12431	0.049806	-0.000719	0.003230	-0.003327	-0.01959	0.001031	0.05099	.	.	.	.
PT_{adj}	-0.38751	0.064519	-0.019187	-0.020865	0.003076	-0.13663	0.012112	1.06512	-0.99399	.	.	.
ΔS_{slope}	-0.86286	0.069627	-0.025290	-0.026689	0.004734	-0.12526	0.012514	1.14528	-1.05927	-0.42188	.	.
ΔS_{level}	-0.82608	0.062837	-0.033879	-0.027584	0.007129	-0.16006	0.011326	1.32275	-1.23284	-0.80422	0.76762	.
RM/IBS	-0.19574	0.080813	-0.029308	-0.033631	0.010012	-0.17850	0.013382	1.53686	-1.46649	-0.98822	1.14161	0.41839

_BLOCK	_SS	_df	_F	_prob	_R2	_adjR2
Intercept	5.58572	28	.	.	0.00000	0.00000
$SI_{momentan}$	5.39304	27	0.9646	0.33474	0.03450	-0.00126
$FABQ_{VAK}$	5.38527	26	0.0375	0.84799	0.03589	-0.03828
$FSS_{Katastroph.}$	5.38385	25	0.0066	0.93583	0.03614	-0.07952
PDI	5.27384	24	0.5006	0.48605	0.05583	-0.10153
$MPI_{Unterstütz.}$	5.24441	23	0.1291	0.72266	0.06110	-0.14300
Arztbes.	5.24251	22	0.0080	0.92964	0.06144	-0.19453
PT_{ton}	5.06804	21	0.7229	0.40478	0.09268	-0.20976
PT_{adj}	2.95001	20	14.3595	0.00115	0.47186	0.26061
ΔS_{slope}	2.83232	19	0.7895	0.38535	0.49294	0.25275
ΔS_{level}	2.68246	18	1.0056	0.32925	0.51976	0.25297
RM/IBS	1.91557	17	6.8059	0.01834	0.65706	0.43516

B Multifaktorielle Determination klinischer Schmerzmaße

Hierarchische Diskriminanzfunktion zur Vorhersage des Chronic Pain Grade („CPG“, von Korff et al. 1992) und der Cluster des Multidimensional Pain Inventory („MPI-Cluster“ Flor et al. 1990, Turk et al. 1996):

CPG: Schmerzstichprobe gesamt
Vollständige Datensätze= 37
CPG: Schmerzstichprobe gesamt

_BLOCK	_IC	ΔT_{level}	ΔS_{slope}	RM/IBS	GBBB	STAI_PR	_SS	_df	_F	_prob	_R2	_adjR2
Intercept	2.62162	.	.	.	.	.	42.7027	36	.	.	0.00000	0.00000
ΔT_{level}	2.62289	-0.23746	.	.	.	.	42.4381	35	0.21827	0.64326	0.00620	-0.02220
ΔS_{slope}	2.83570	-0.38683	-0.85418	.	.	.	41.3523	34	0.89274	0.35140	0.03162	-0.02534
RM/IBS	3.16753	-0.61543	-0.90466	-0.73554	.	.	36.6697	33	4.21401	0.04809	0.14128	0.06321
GBBB	1.74312	-0.73521	-1.05649	-0.85182	0.019411	.	31.5615	32	5.17915	0.02969	0.26090	0.16851
STAI_PR	1.91411	-0.60854	-1.33459	-0.92757	0.031927	-0.016246	26.4595	31	5.97753	0.02037	0.38038	0.28044

MPI-Cluster: Schmerzstichprobe gesamt
Vollständige Datensätze= 36
MPI: Schmerzstichprobe gesamt

_BLOCK	_IC	Stichpr.	AMA	CMA	CGA	PTlim	dt_slope	dt_level	ds_slope	ds_level	rmibs
Intercept	1.9722	.	.	.	.	.	.	.	.	.	.
gruppe_num	1.8462	0.07692	.	.	.	.	.	.	.	.	.
AMA	15.1496	0.13457	-2.90255	.	.	.	.	.	.	.	.
CMA	14.2329	0.17958	-2.61011	-0.18960	.	.	.	.	.	.	.
GGA	13.5430	0.22627	-2.49207	-1.64977	1.82114	.	.	.	.	.	.
PTlim	14.0183	0.24587	-2.52009	-1.66025	1.83333	-0.00841	.	.	.	.	.
dt_slope	14.7021	0.26036	-2.54059	-1.75639	2.00454	-0.02270	0.36737	.	.	.	.
dt_level	16.3131	0.48515	-2.68795	-2.14567	2.57567	-0.05351	0.86458	-0.74884	.	.	.
ds_slope	16.3191	0.52018	-2.63750	-2.19563	2.62970	-0.06041	0.95476	-0.75995	0.20428	.	.
ds_level	19.3906	0.42982	-2.90146	-2.19899	2.63939	-0.09501	1.36188	-1.58473	1.60941	-2.59195	.
RMIBS	20.4374	0.63748	-2.99761	-2.40641	2.85261	-0.11757	1.43819	-1.48883	1.61395	-2.29392	0.28449

_BLOCK	_SS	_df	_F	_prob	_R2	_adjR2
Intercept	16.9722	35	.	.	0.00000	0.00000
gruppe_num	16.9231	34	0.09874	0.75527	0.00290	-0.02643
AMA	15.0809	33	4.03115	0.05291	0.11144	0.05759
CMA	14.6649	32	0.90772	0.34786	0.13595	0.05494
GGA	13.5575	31	2.53213	0.12170	0.20120	0.09812
PTlim	13.5505	30	0.01552	0.90170	0.20161	0.06854
dt_slope	13.1457	29	0.89297	0.35248	0.22546	0.06521
dt_level	11.5526	28	3.86114	0.05941	0.31932	0.14915
ds_slope	11.5127	27	0.09361	0.76198	0.32167	0.12069
ds_level	8.5234	26	9.11855	0.00561	0.49780	0.32396
RMIBS	8.0419	25	1.49674	0.23258	0.52617	0.33664