

Survey Report

2026-2

Survey Specimens

The homogeneity and stability of all specimens were checked before and/or during shipment and no irregularities were noted. The suitability tests were performed by the laboratories of the Universitätsspital Zürich (University Hospital Zurich) (<http://www.uzl.usz.ch/>). The following survey specimens were produced specifically for MQ by a sub-contractor:
B2 Uricult, H4 Parasitic Hematology, K14 tumor marker

Determination of target values

For each target value, the type of determination per ISO17043: 2010 B2.1 is indicated (column "type"):

- Value known due to production.
- Certified reference value for use with special specimens
- Reference value determined by analysis
- Consensus values of expert laboratories
- Consensus values of the participants

For methods groups with more than 9 participants, consensus values ??of the participants ("e") are generally determined. In order to calculate the target values, we use the mean value of the method group. Values that differ more than 1.5 times the QUALAB-tolerance are outliers and are not used to calculate the target value. Starting point for the elimination of outliers are the values of our suitability tests.

In order to provide all participants with target values that are as meaningful as possible, other methods may also be applied for smaller method groups.

Uncertainty of the determined target values

The standard uncertainty (u_x) is calculated using the following formula (ISO13528):

$$u_x = (\text{target value}/100) * (1.25/\text{square root of "number of participants"}) * \%CV$$

- u_x has the same unit as the target value
- u_x can be compared with the standard deviation of the participants' collective ($SD = \text{target value} * \%CV / 100$)
- For participant numbers >18 , the standard uncertainty (u_x) is significantly lower than the scatter of the collective participants and can be neglected.

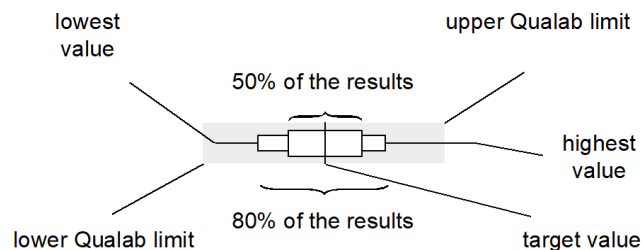
QUALAB and MQ tolerances

For all mandatory analyzes, QUALAB tolerances are used (www.qualab.ch, external quality control). For non-mandatory analyzes, the tolerances are specified by MQ's survey specimen leader.

If the determined uncertainty, u_x , of the target value is greater than 15% of the QUALAB or MQ tolerance, the letter indicating the type of target detection is marked with an additional star (example "e*"). Thereby, we are alerting the participants to the fact that the uncertainty of the target value can have an impact on the evaluation.

Graphics

The results are shown graphically as follows:

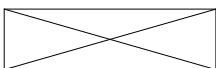


Comparison of Devices

The data in this report allows you to compare the performance of different devices. However, remember to consider the following:

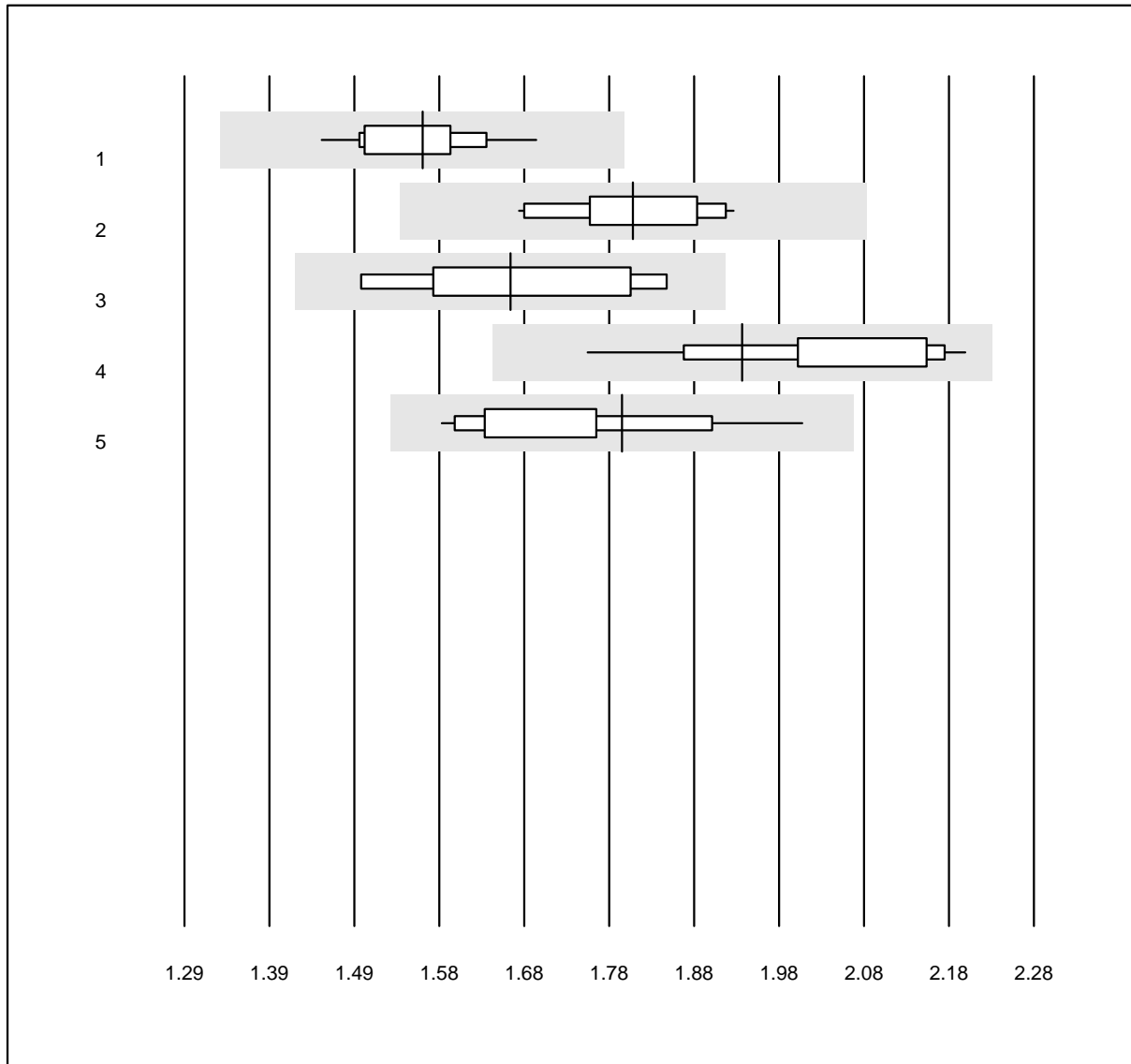
- The chemical control K1 is a ready-to-use commercial control serum. Even if the specimen is of human origin, it is possible that matrix effects occur. These are device-specific and result in different target values.
- Only one specimen was measured. Since the scatter of the results is dependent on the nature of the specimen (matrix effects) and on the signal strength, the determined coefficient of variations (CV in %) cannot be applied generally.
- A large number of runaways is due to administrative errors (wrong unit, results mixed up) or to operator errors (wrong sample, not correctly taken up in solution, not mixed well) and has nothing to do with the type of device.

Zurich, 24.06.2026



Dr. R.Fried
Survey Director

INR VKA

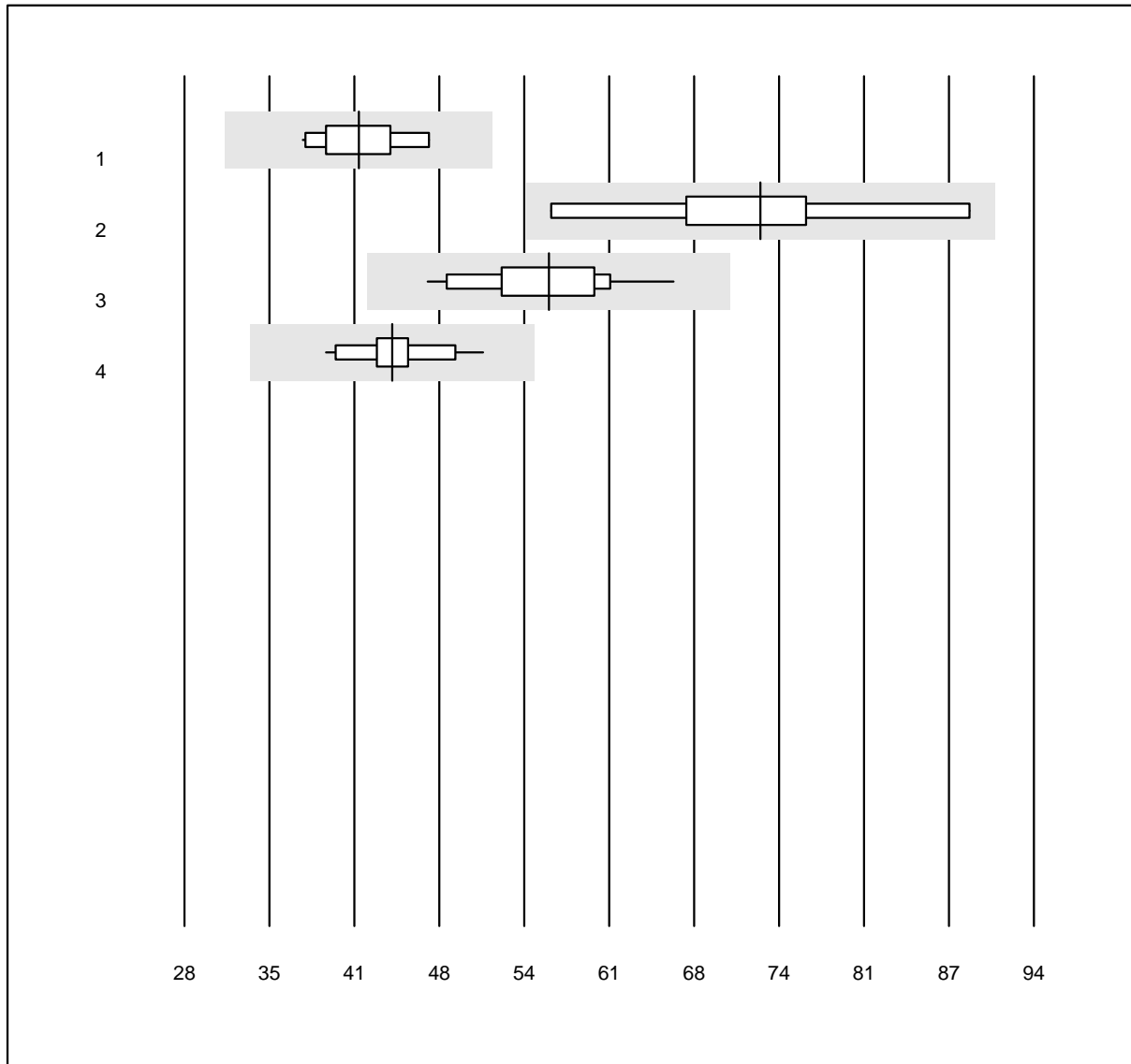


QUALAB Toleranz: 15%

INR VKA (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	23	100.0	0.0	0.0	1.57	3.9	e
2 Neoplastin R	12	100.0	0.0	0.0	1.81	4.3	e
3 Neoplastin CL Plus	6	100.0	0.0	0.0	1.67	7.2	e*
4 NeoPTimal	17	100.0	0.0	0.0	1.94	5.5	a
5 Recombiplastin 2G	14	100.0	0.0	0.0	1.80	6.3	a

Activated Prothrombin Time

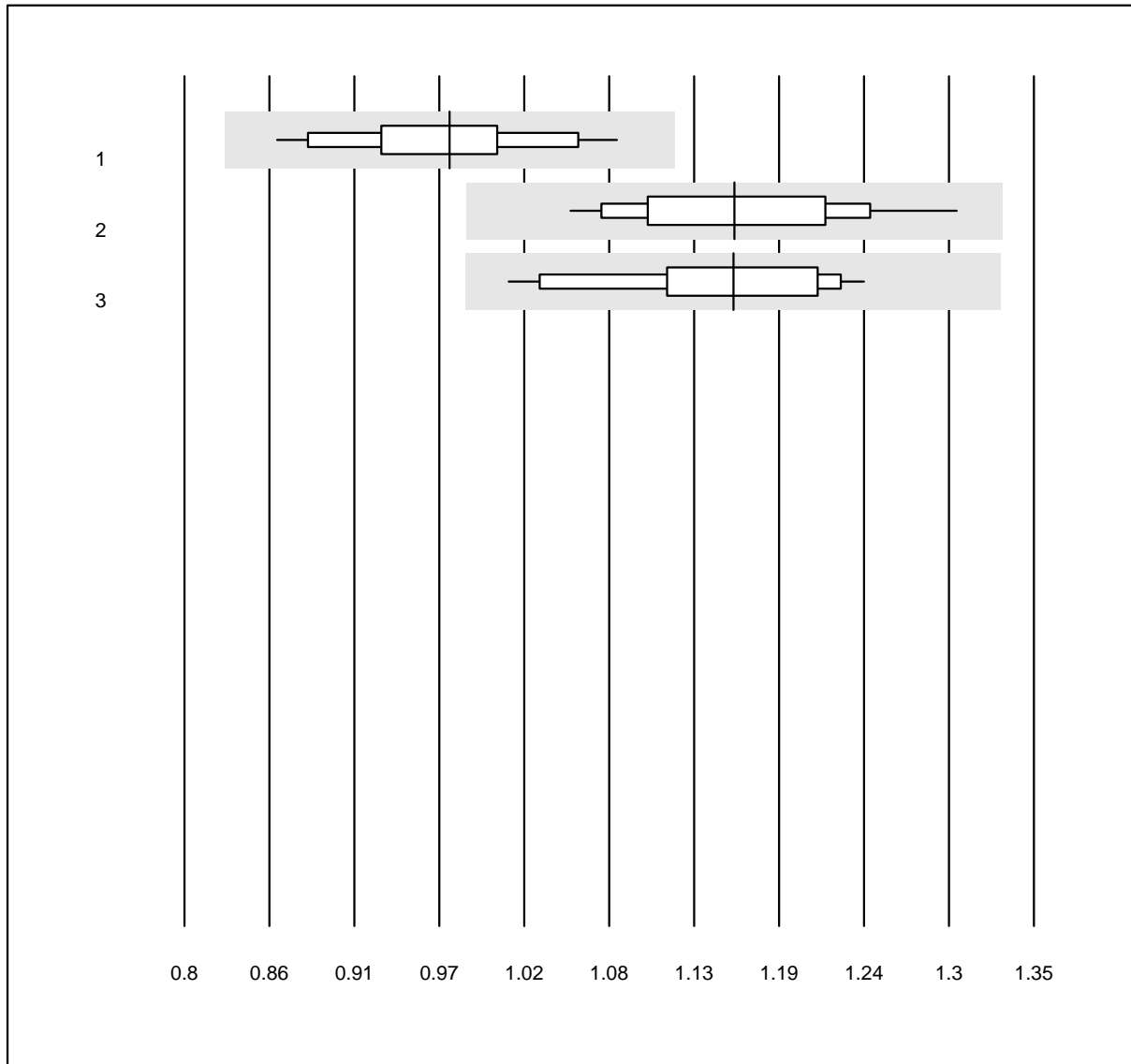


QUALAB Toleranz: 25%

Activated Prothrombin Time (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	11	100.0	0.0	0.0	41.6	8.1	e
2 Pathromtin SL	9	100.0	0.0	0.0	72.8	12.5	a*
3 Stago/STA	25	100.0	0.0	0.0	56.3	8.4	e
4 aPTT-SP	14	100.0	0.0	0.0	44.1	6.4	e

Fibrinogen OA



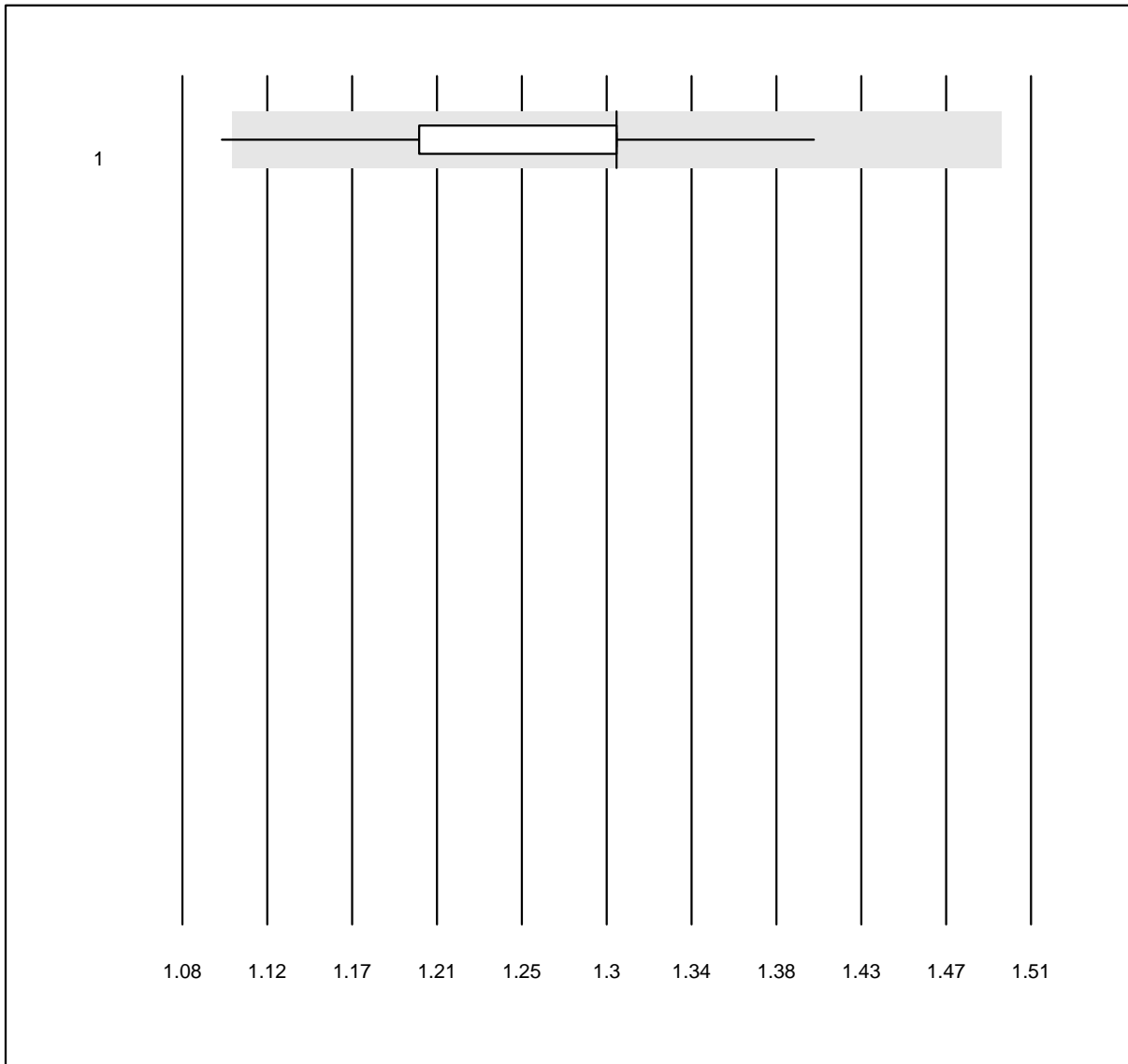
QUALAB Toleranz: 15%

Fibrinogen OA (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Thrombin	14	100.0	0.0	0.0	0.97	5.8	e
2 Stago/STA	21	100.0	0.0	0.0	1.16	6.0	e
3 HemosIL	14	100.0	0.0	0.0	1.16	5.8	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

INR CoaguChek

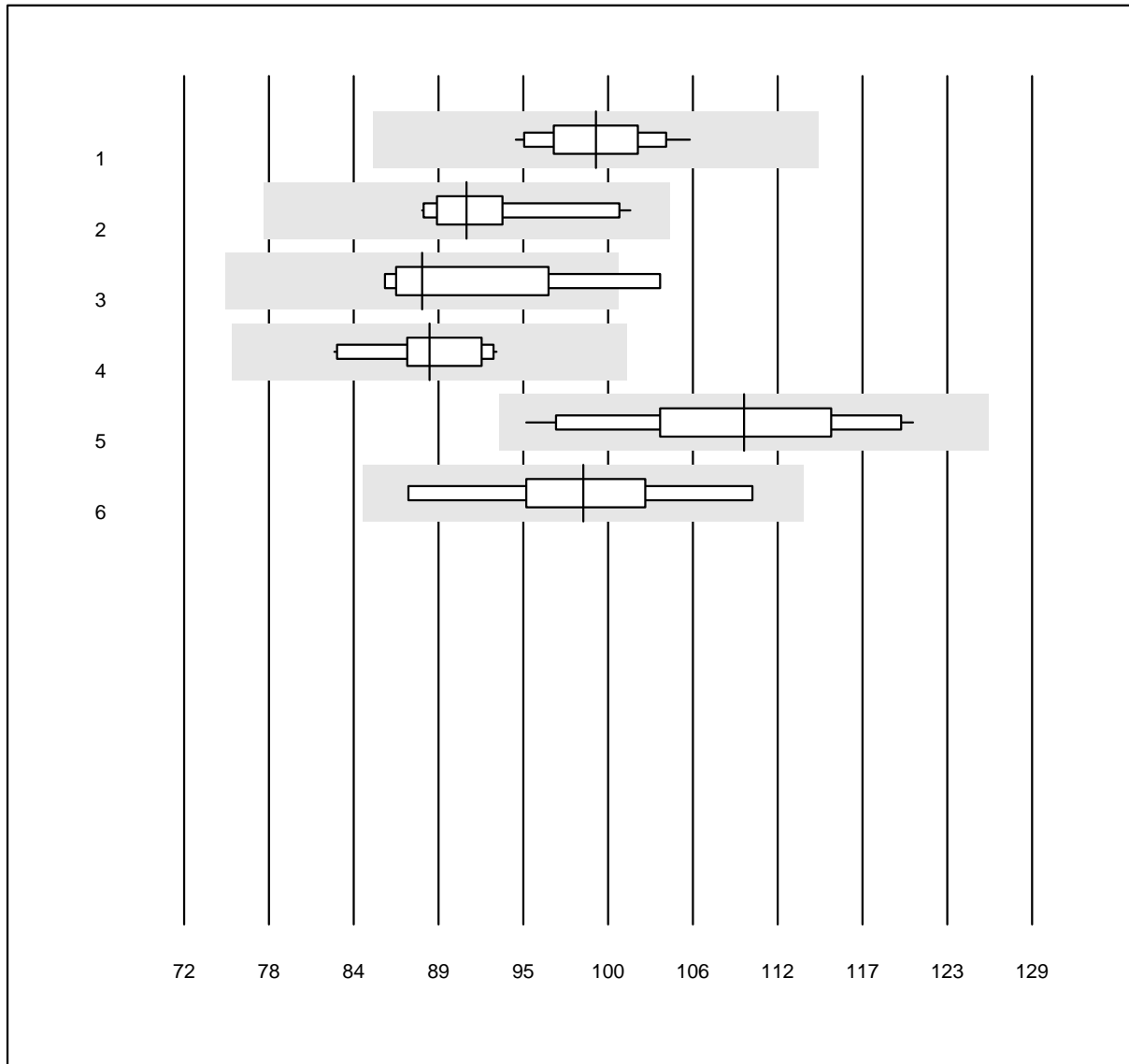


QUALAB Toleranz: 15%

INR CoaguChek (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 CoaguChek Pro II	1048	99.3	0.1	0.6	1.3	4.0	e

Prothrombin time NT

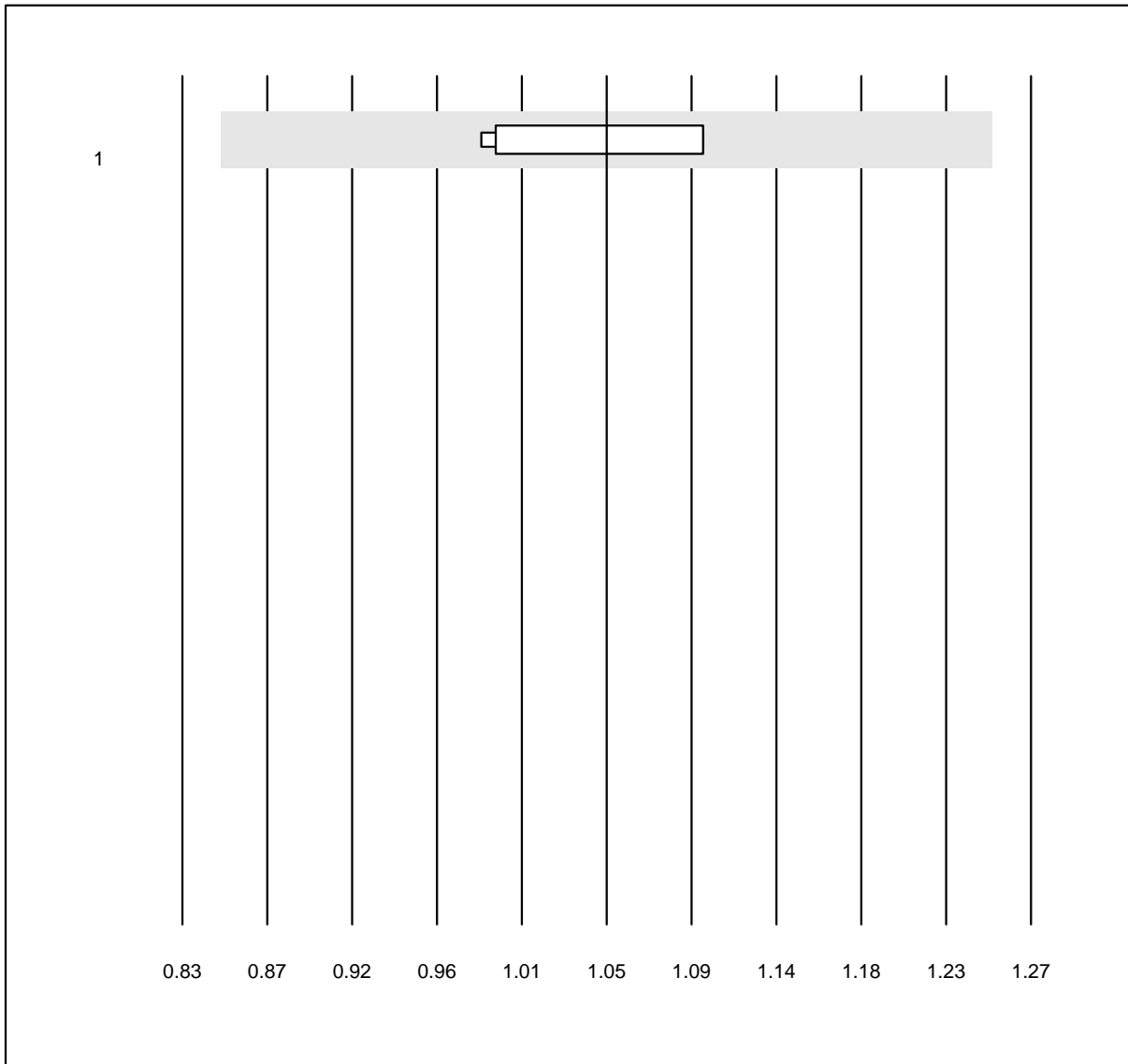


QUALAB Toleranz: 15%

Prothrombin time NT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	17	100.0	0.0	0.0	99.7	3.3	e
2 Neoplastin R	10	100.0	0.0	0.0	91.0	4.5	e
3 Neoplastin CL Plus	4	100.0	0.0	0.0	88.0	6.6	e*
4 NeoPTimal	11	100.0	0.0	0.0	88.5	4.1	e
5 Recombiplastin 2G	13	100.0	0.0	0.0	109.6	6.9	e*
6 Other methods	7	100.0	0.0	0.0	98.8	6.6	e*

INR N



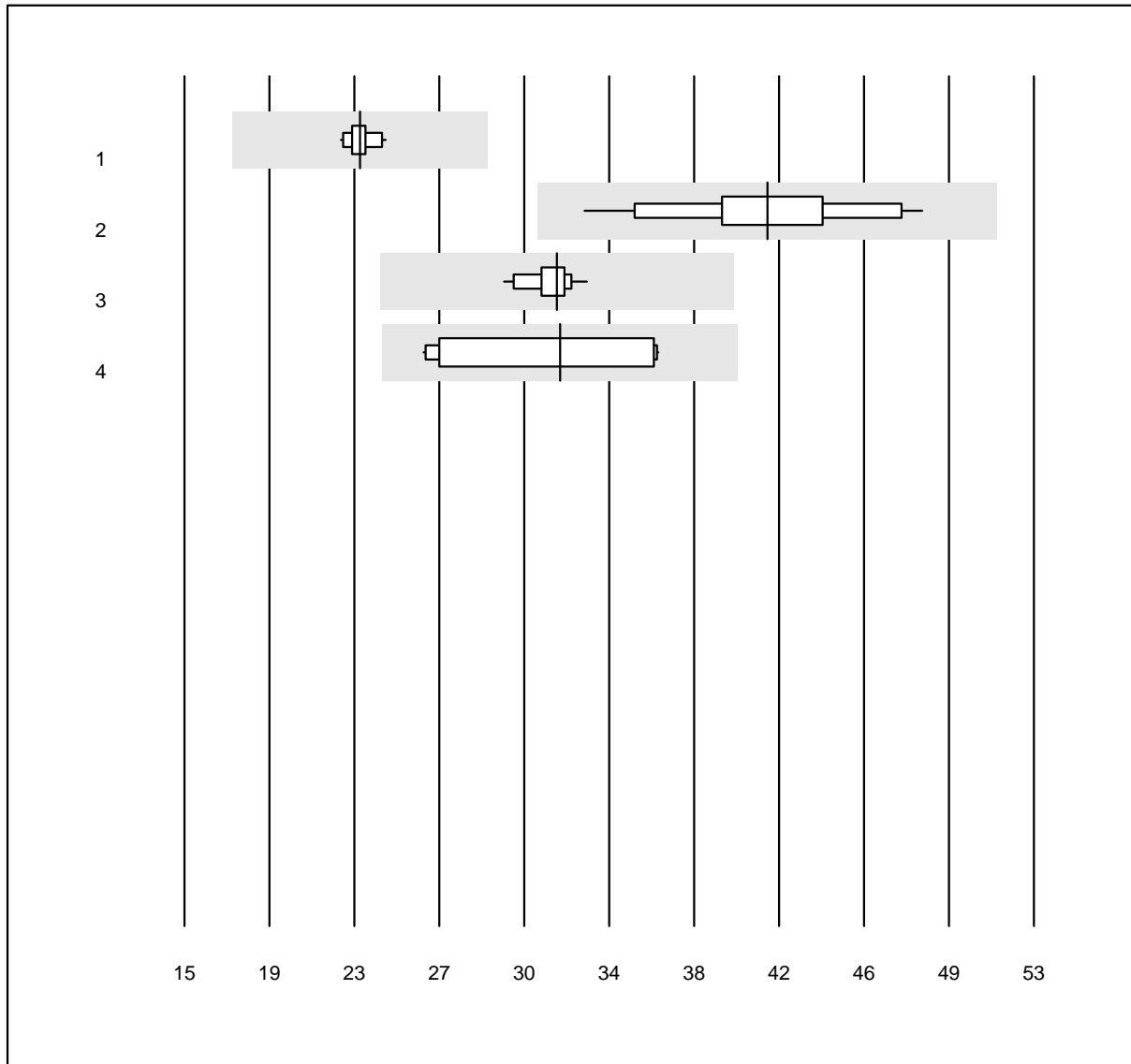
QUALAB Toleranz: 15%
(< 1.3: +/- 0.2 INR)

INR N (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Neoplastin R	4	100.0	0.0	0.0	1.05	5.8	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

aPTT N

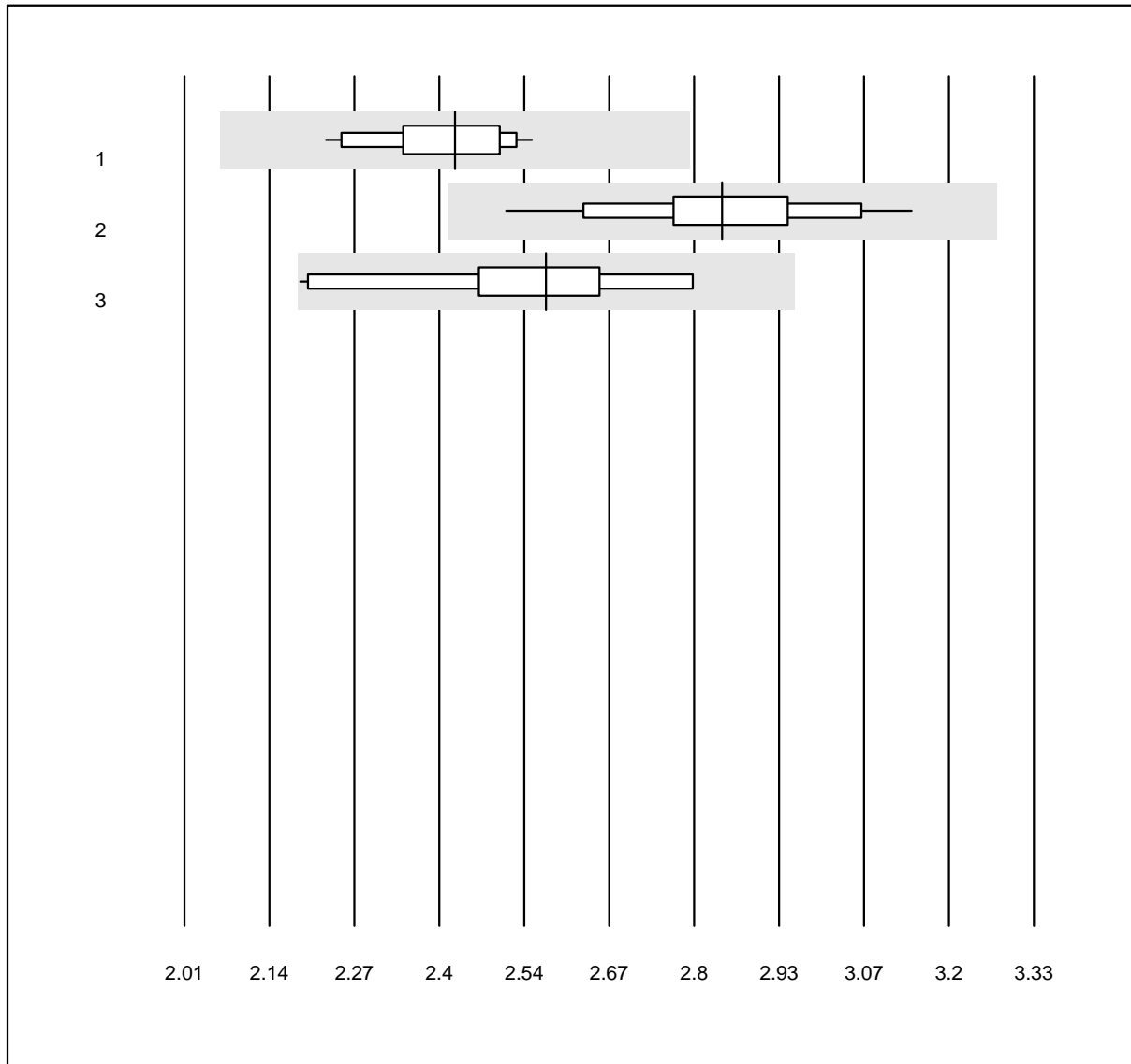


QUALAB Toleranz: 25%

aPTT N (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	11	100.0	0.0	0.0	22.9	2.3	e
2 Pathromtin SL	13	100.0	0.0	0.0	41.1	9.2	e
3 Stago/STA	22	100.0	0.0	0.0	31.7	3.0	e
4 aPTT-SP	12	100.0	0.0	0.0	31.8	15.0	e*

Fibrinogen N



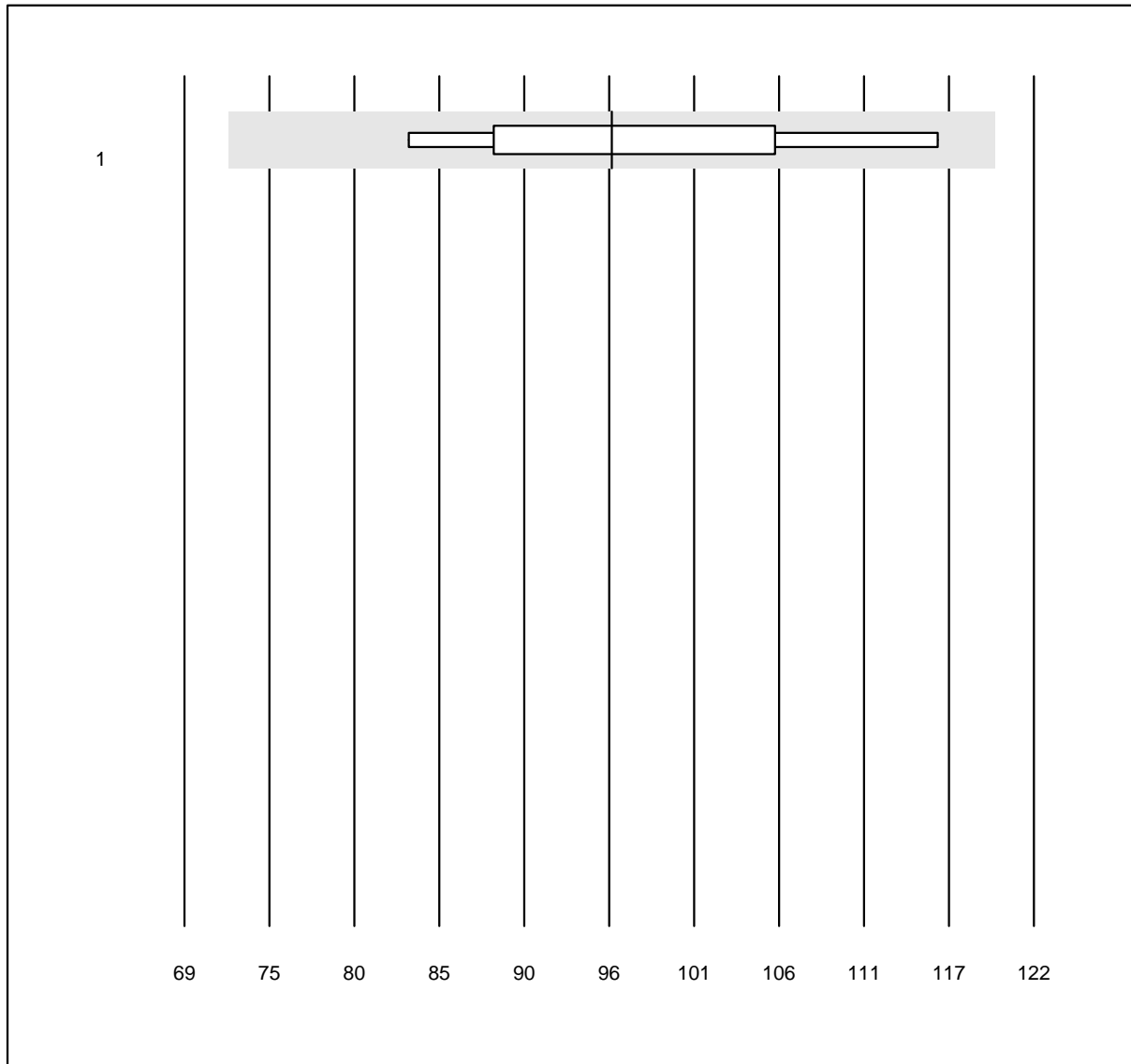
QUALAB Toleranz: 15%

Fibrinogen N (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Thrombin	15	100.0	0.0	0.0	2.43	4.1	e
2 Stago/STA	22	100.0	0.0	0.0	2.85	5.5	e
3 ACL	13	92.3	0.0	7.7	2.57	7.5	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Faktor V

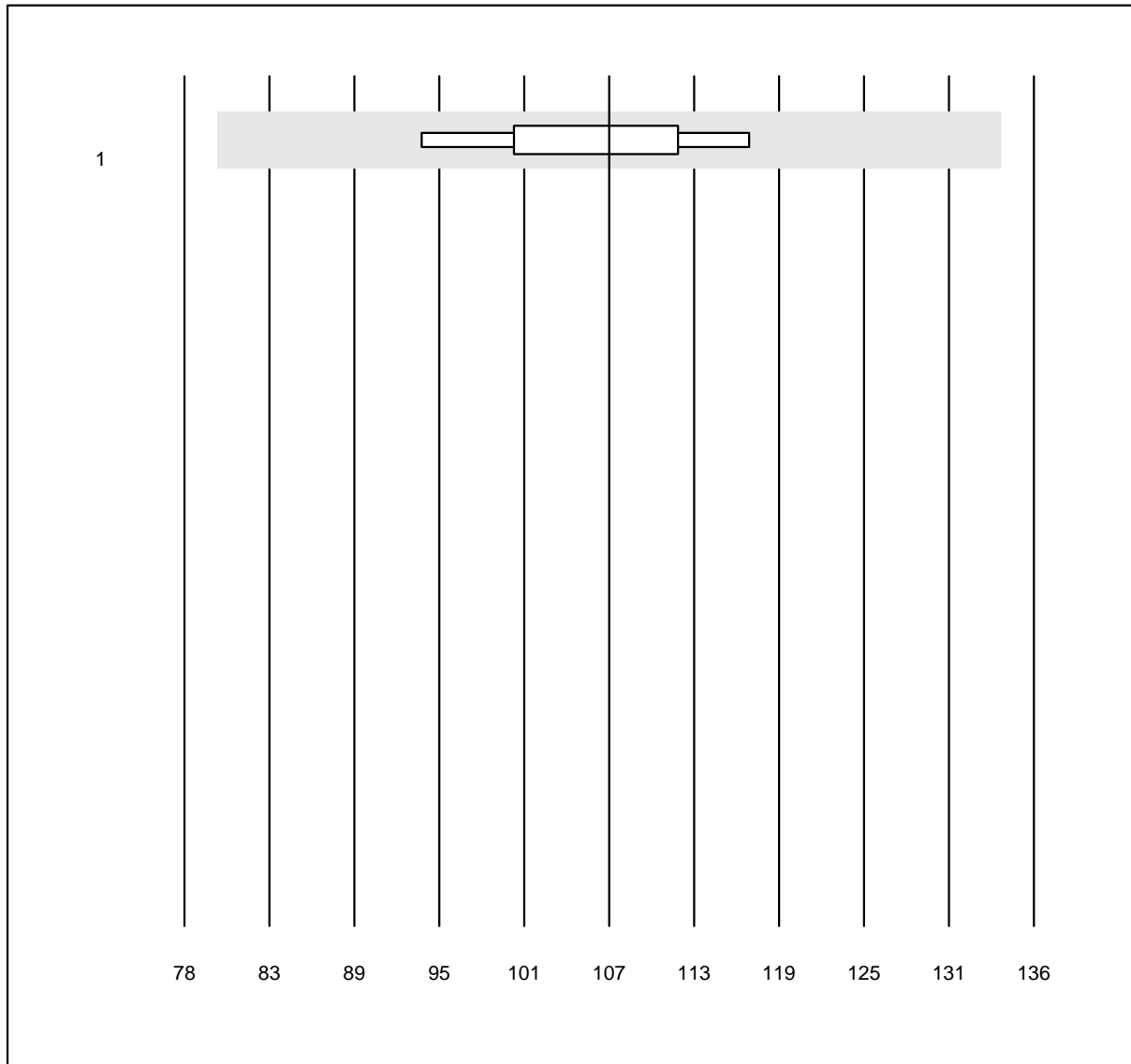


MQ Toleranz: 25%

Faktor V (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 all Participants	9	100.0	0.0	0.0	95.7	11.0 e*

Faktor VII

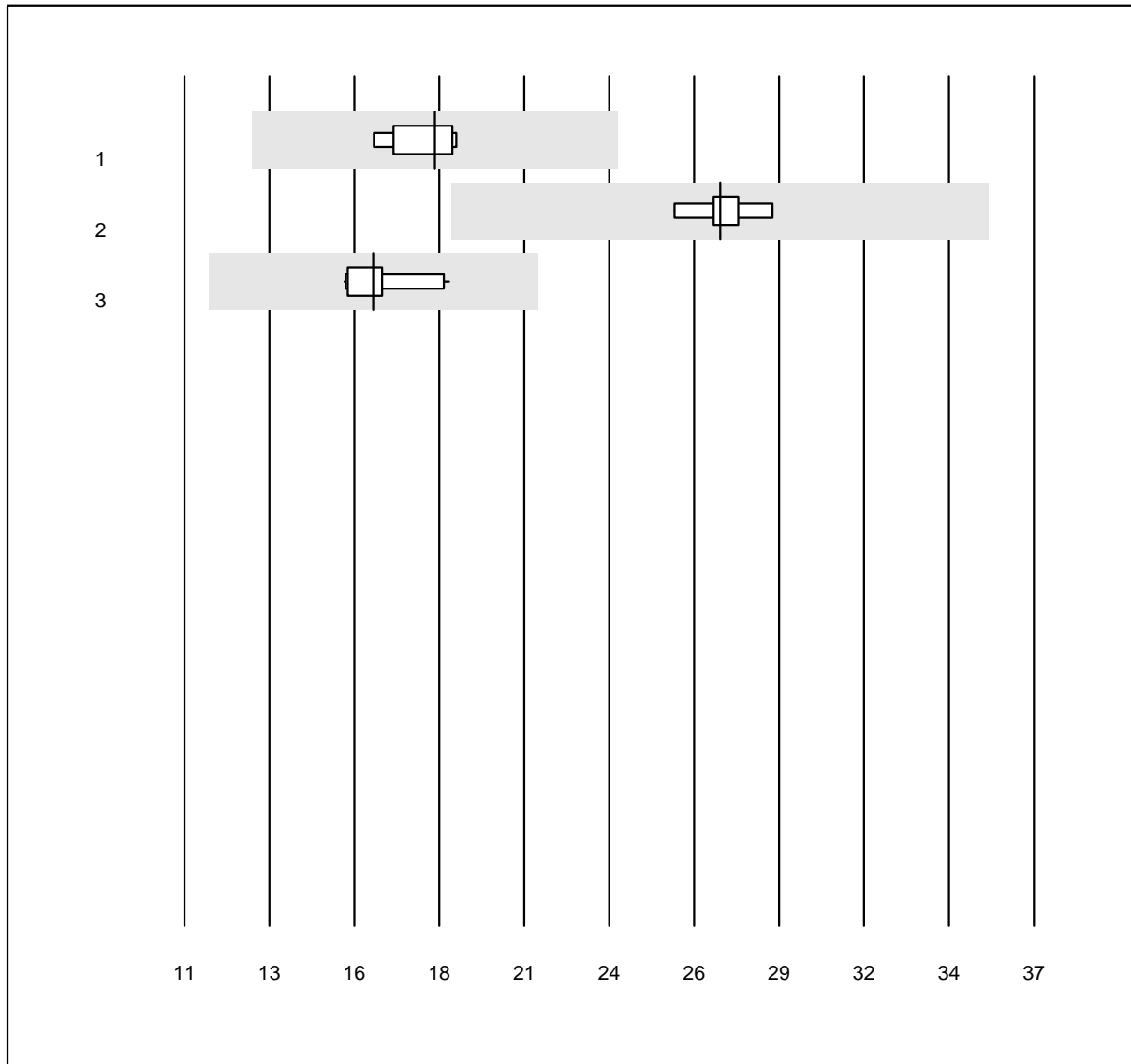


MQ Toleranz: 25%

Faktor VII (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	5	100.0	0.0	0.0	107.0	6.1	e

Thrombintime N



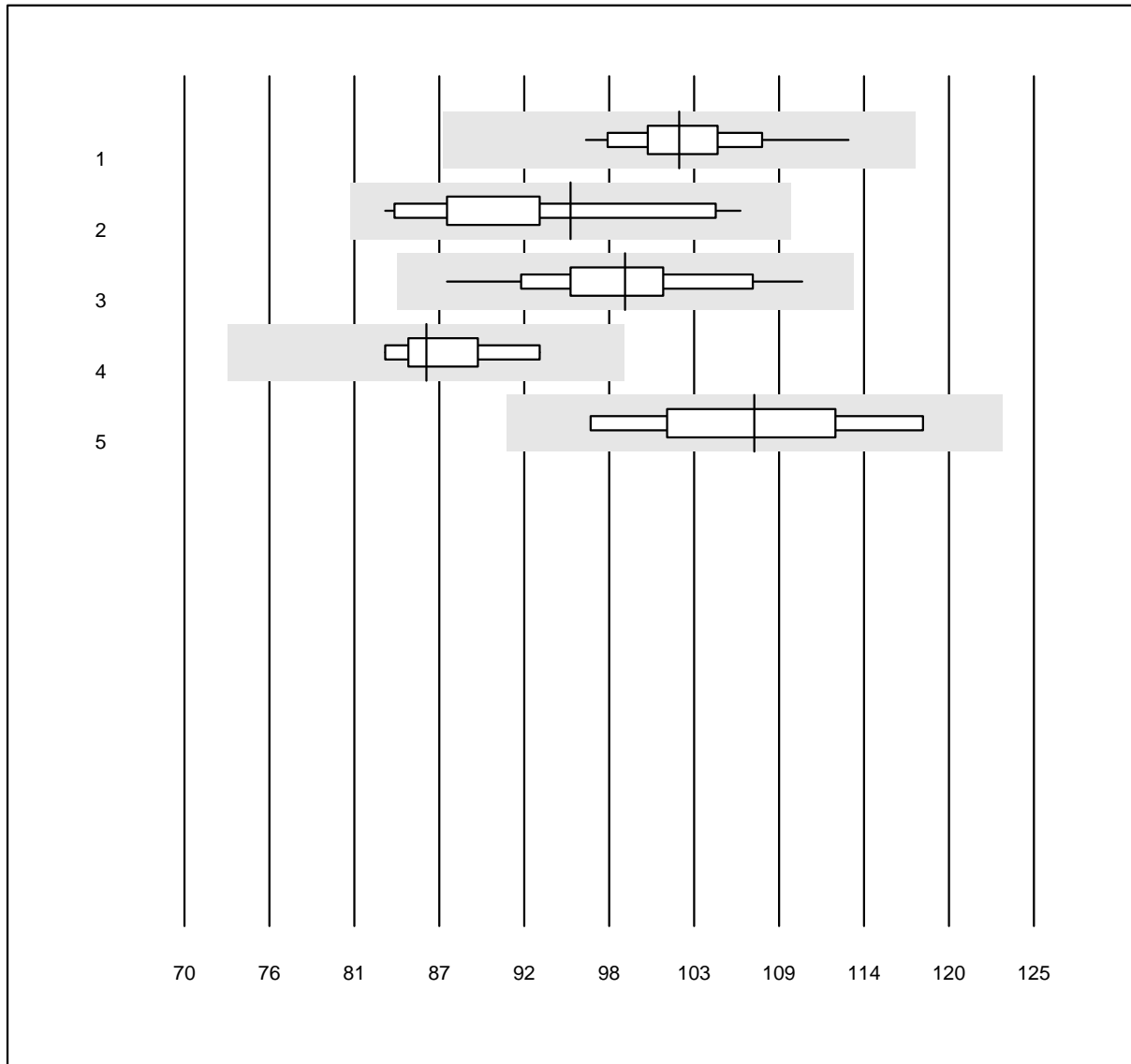
MQ Toleranz: 30%

Thrombintime N (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	7	100.0	0.0	0.0	19	5.2	e
2 ACL	9	100.0	0.0	0.0	27	3.0	e
3 Other methods	13	100.0	0.0	0.0	17	5.9	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Prothrombin time HT

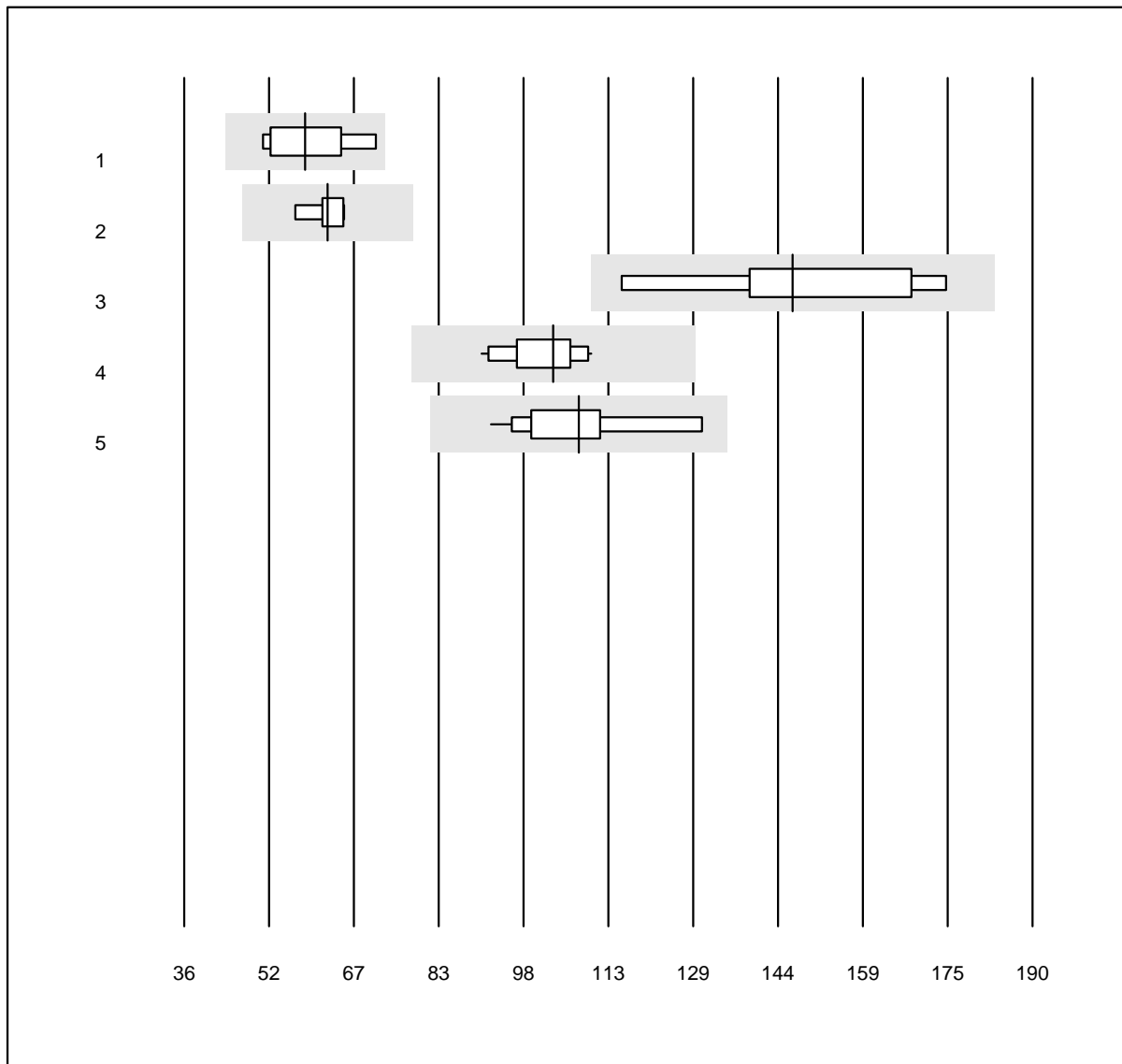


QUALAB Toleranz: 15%

Prothrombin time HT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Innovin	16	100.0	0.0	0.0	102.0	3.8	e
2 Neoplastin R	11	100.0	0.0	0.0	95.0	6.8	a*
3 Recombiplastin 2G	17	100.0	0.0	0.0	98.5	5.4	e
4 NeoPTimal	9	100.0	0.0	0.0	85.7	3.8	e
5 Other methods	5	100.0	0.0	0.0	106.9	5.9	a*

aPTT H



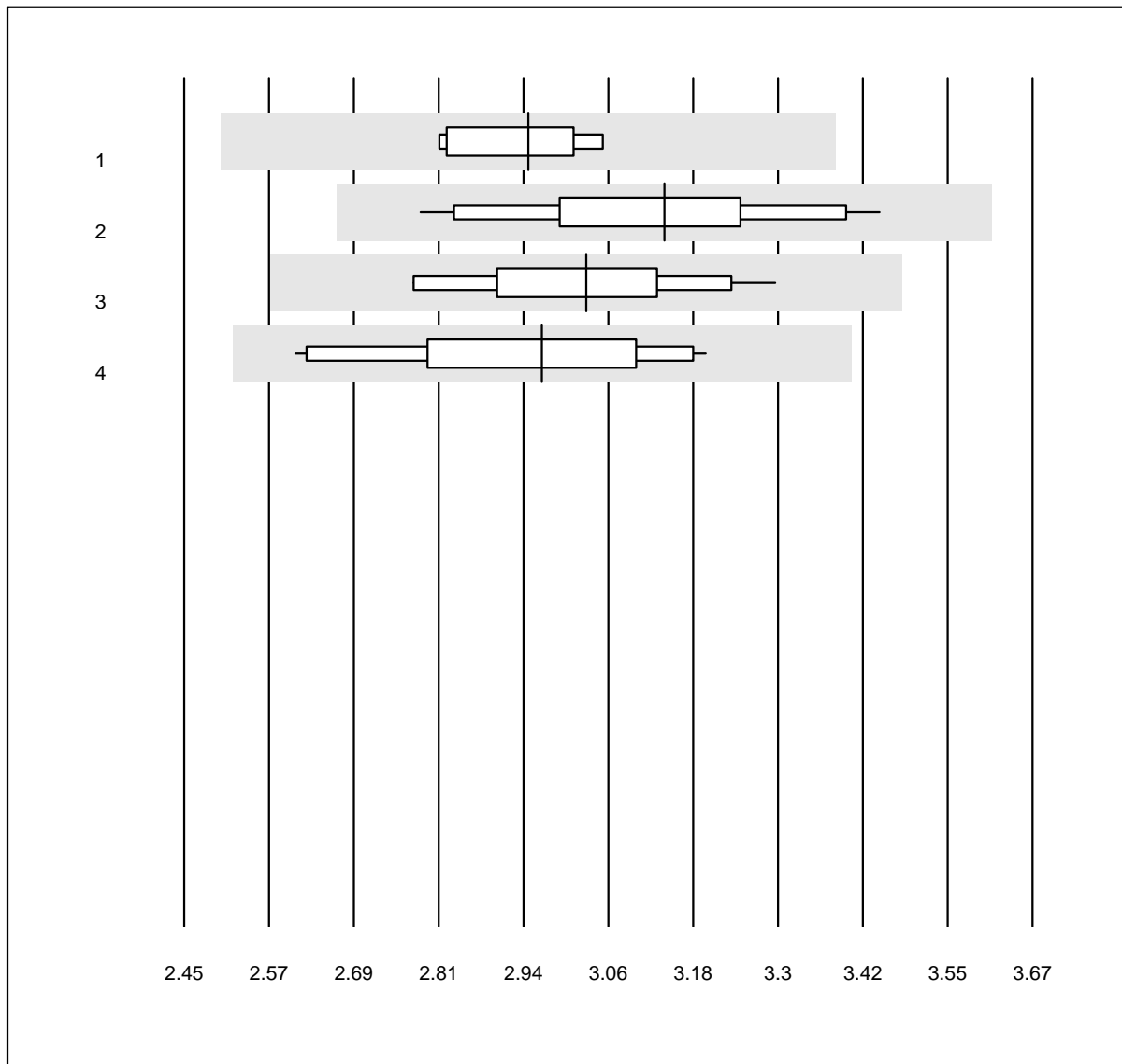
QUALAB Toleranz: 25%

aPTT H (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Actin FS	6	100.0	0.0	0.0	58.0	11.7	e*
2 Actin FSL	7	100.0	0.0	0.0	62.0	4.3	e
3 Pathromtin SL	8	100.0	0.0	0.0	146.4	12.8	e*
4 aPTT-SP	12	91.7	0.0	8.3	103.0	5.7	e
5 Stago/STA	16	100.0	0.0	0.0	107.6	10.5	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Fibrinogen H



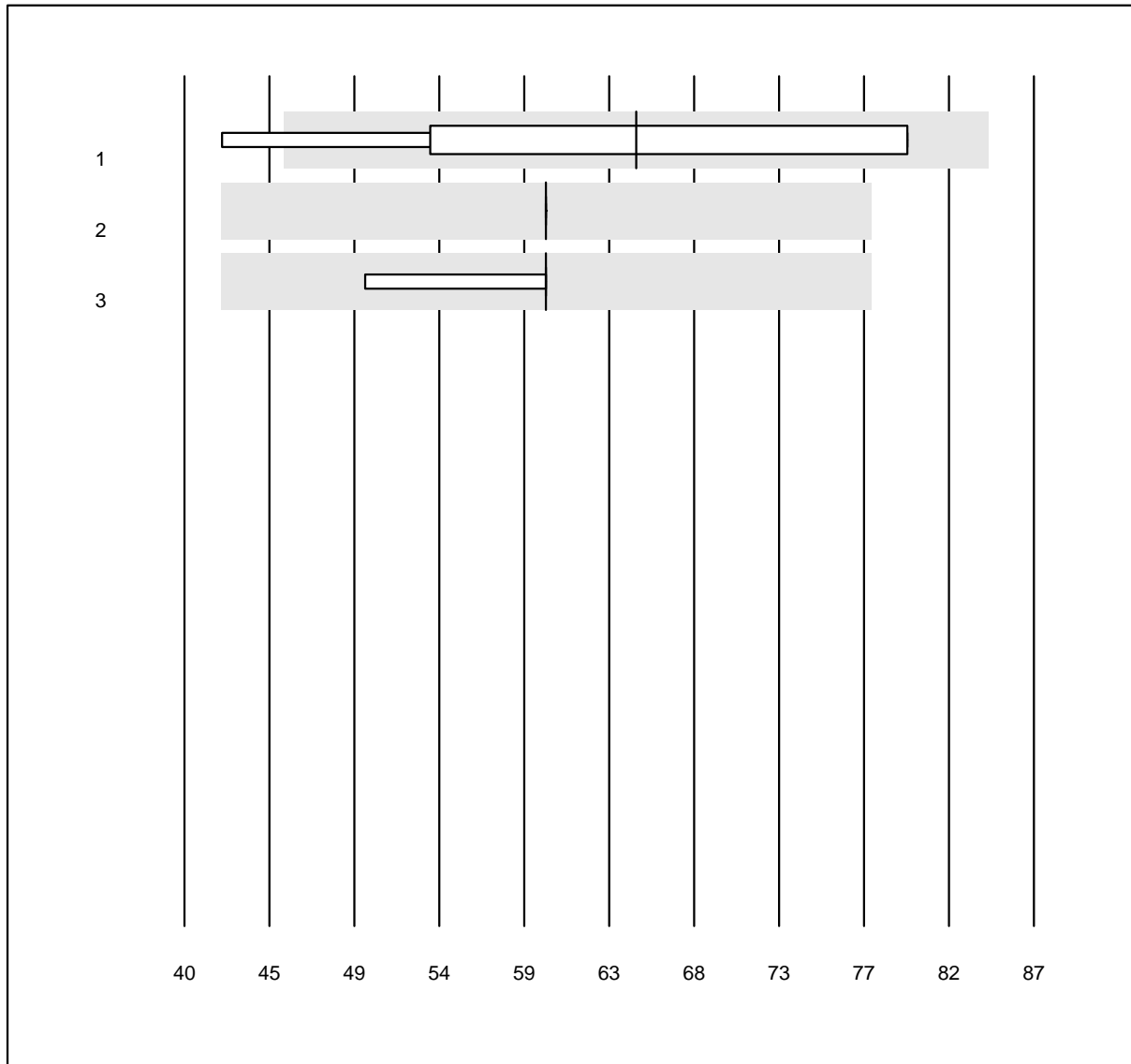
QUALAB Toleranz: 15%

Fibrinogen H (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens Thrombin	6	100.0	0.0	0.0	2.94	3.3	e
2 Stago/STA	17	100.0	0.0	0.0	3.14	5.8	e
3 HemosIL	16	100.0	0.0	0.0	3.03	5.0	e
4 Other methods	11	100.0	0.0	0.0	2.96	6.5	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Thrombintime H



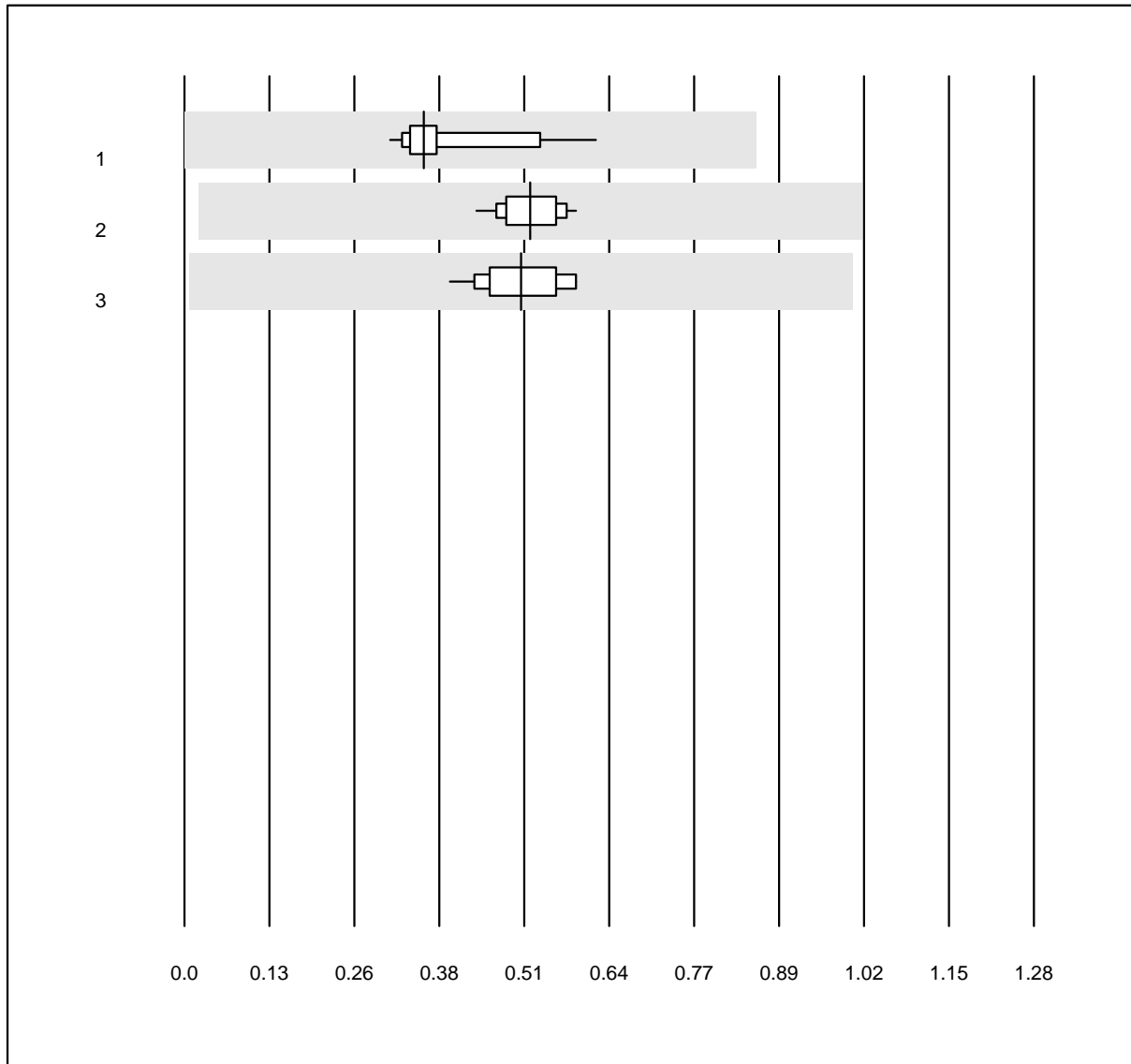
MQ Toleranz: 30%

Thrombintime H (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	5	100.0	0.0	0.0	65	21.8	a*
2 ACL	8	100.0	0.0	0.0	60	0.0	e
3 Other methods	11	100.0	0.0	0.0	60	7.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti-FXa (unfrakt-Heparin)

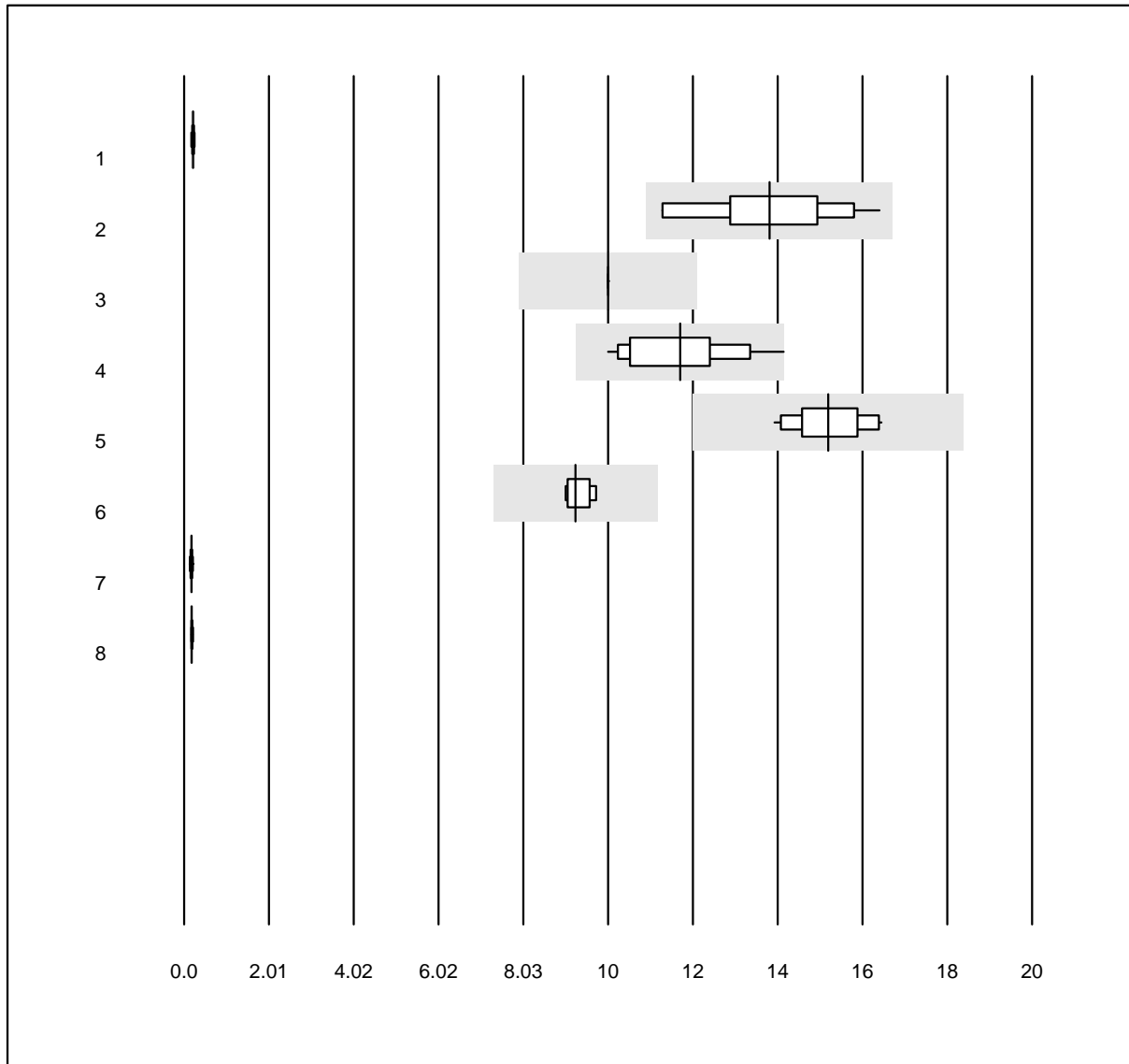


MQ Toleranz: 30%
(< 0.9: +/- 0.5 IU/ml)

Anti-FXa (unfrakt-Heparin)
(IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	15	100.0	0.0	0.0	0.36	20.0	e
2 ACL	21	100.0	0.0	0.0	0.52	7.6	e
3 Other methods	26	100.0	0.0	0.0	0.51	10.7	e

D-dimer



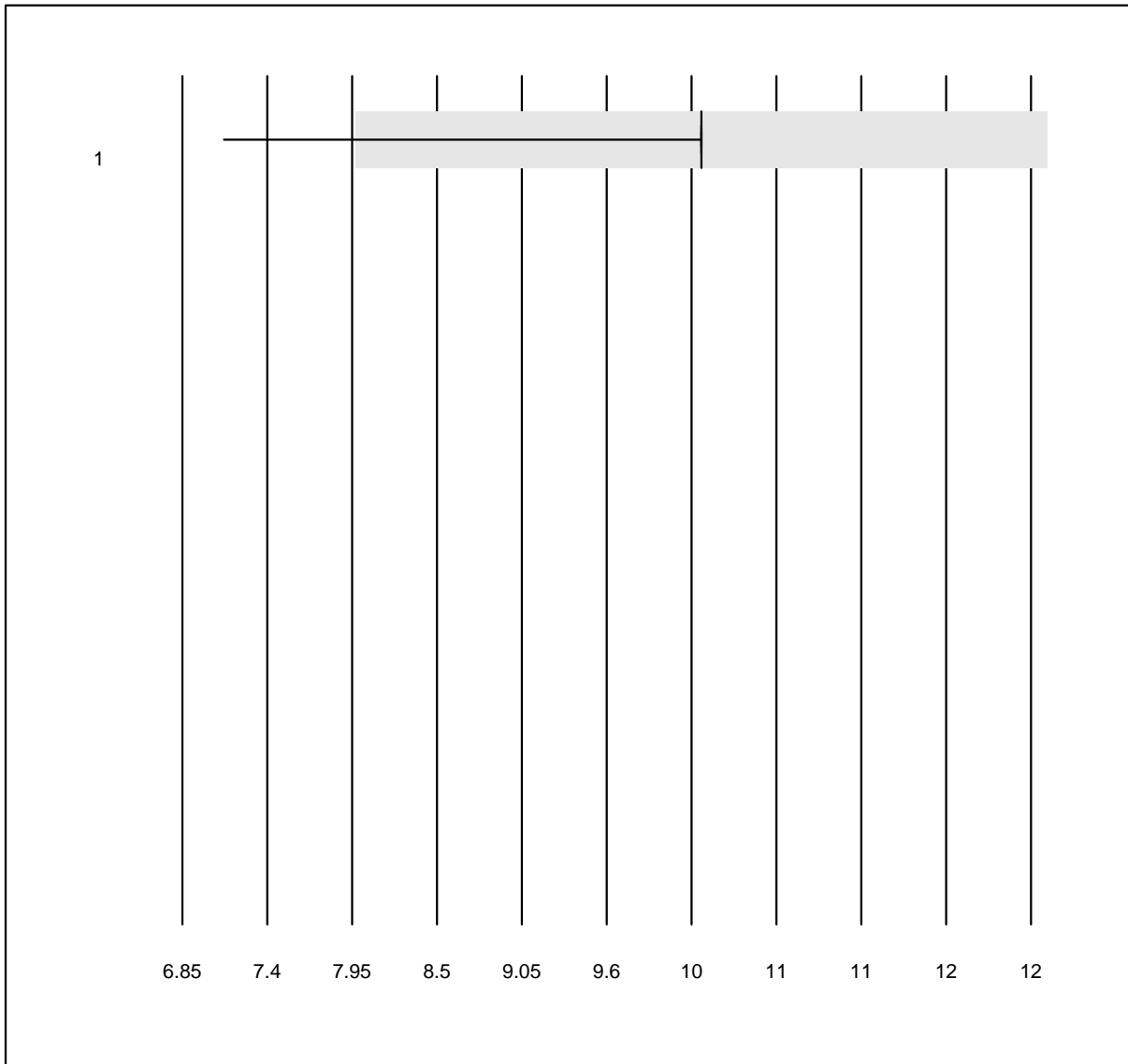
QUALAB Toleranz: 21%

D-dimer (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	5	100.0	0.0	0.0	0.21	10.8	e*
2 Siemens	18	94.4	0.0	5.6	13.81	10.9	e*
3 VIDAS	17	100.0	0.0	0.0	10.00	0.0	e
4 STA Liatest	19	100.0	0.0	0.0	11.70	10.1	a
5 ACL	13	100.0	0.0	0.0	15.19	5.1	e
6 AQT 90 FLEX	5	100.0	0.0	0.0	9.23	3.0	e
7 Pathfast	20	80.0	15.0	5.0	0.17	14.7	e*
8 Roche (heparin plasma)	4	100.0	0.0	0.0	0.18	7.0	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

D-dimer qn AFIAS

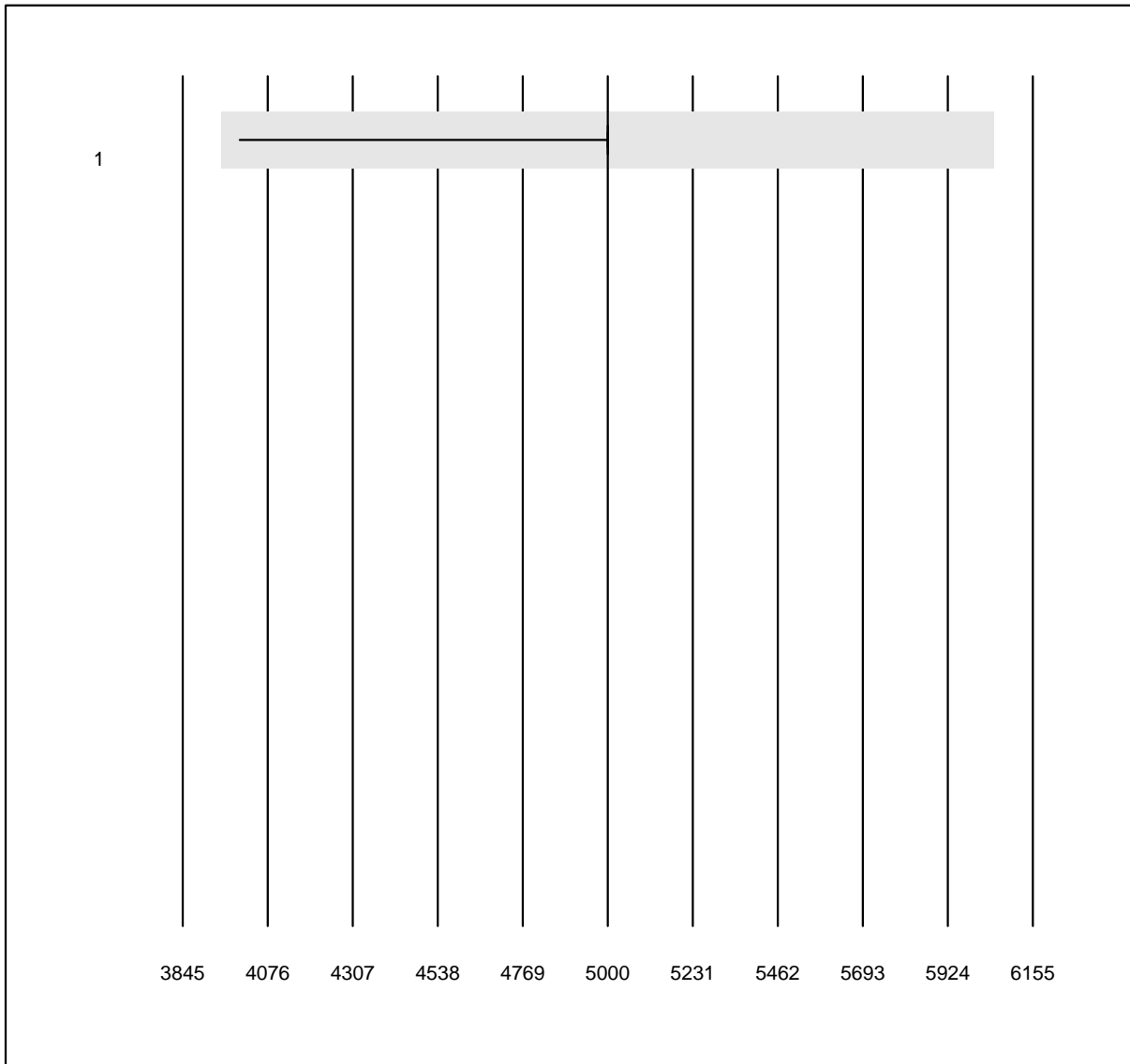


QUALAB Toleranz: 21%

D-dimer qn AFIAS (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 AFIAS	670	97.9	0.1	1.9	10.00	1.1	e

D-Dimer Triage

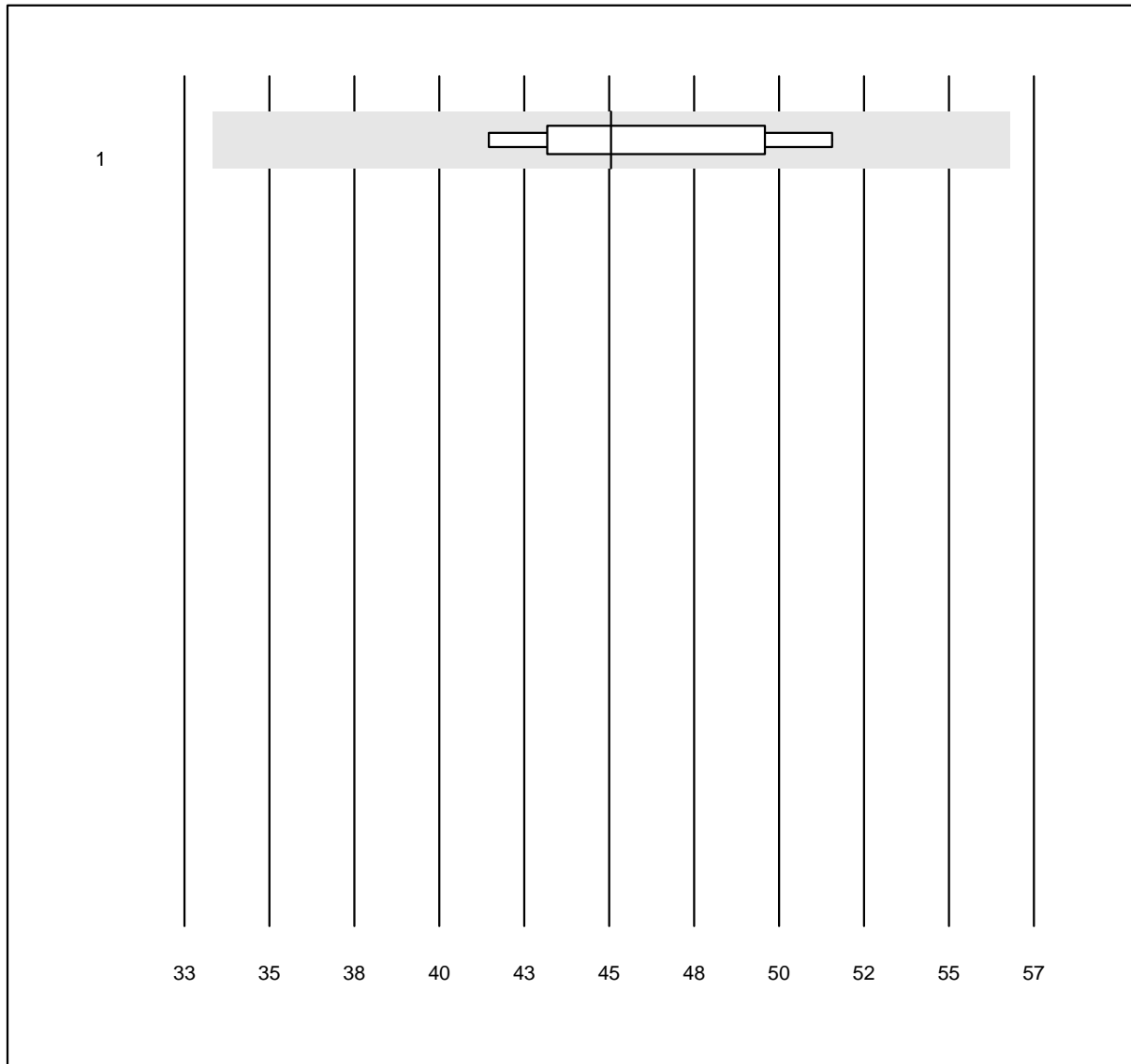


QUALAB Toleranz: 21%

D-Dimer Triage (ng/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Triage	460	99.3	0.0	0.7	5000.00	1.3	e

CoaguChek APTT

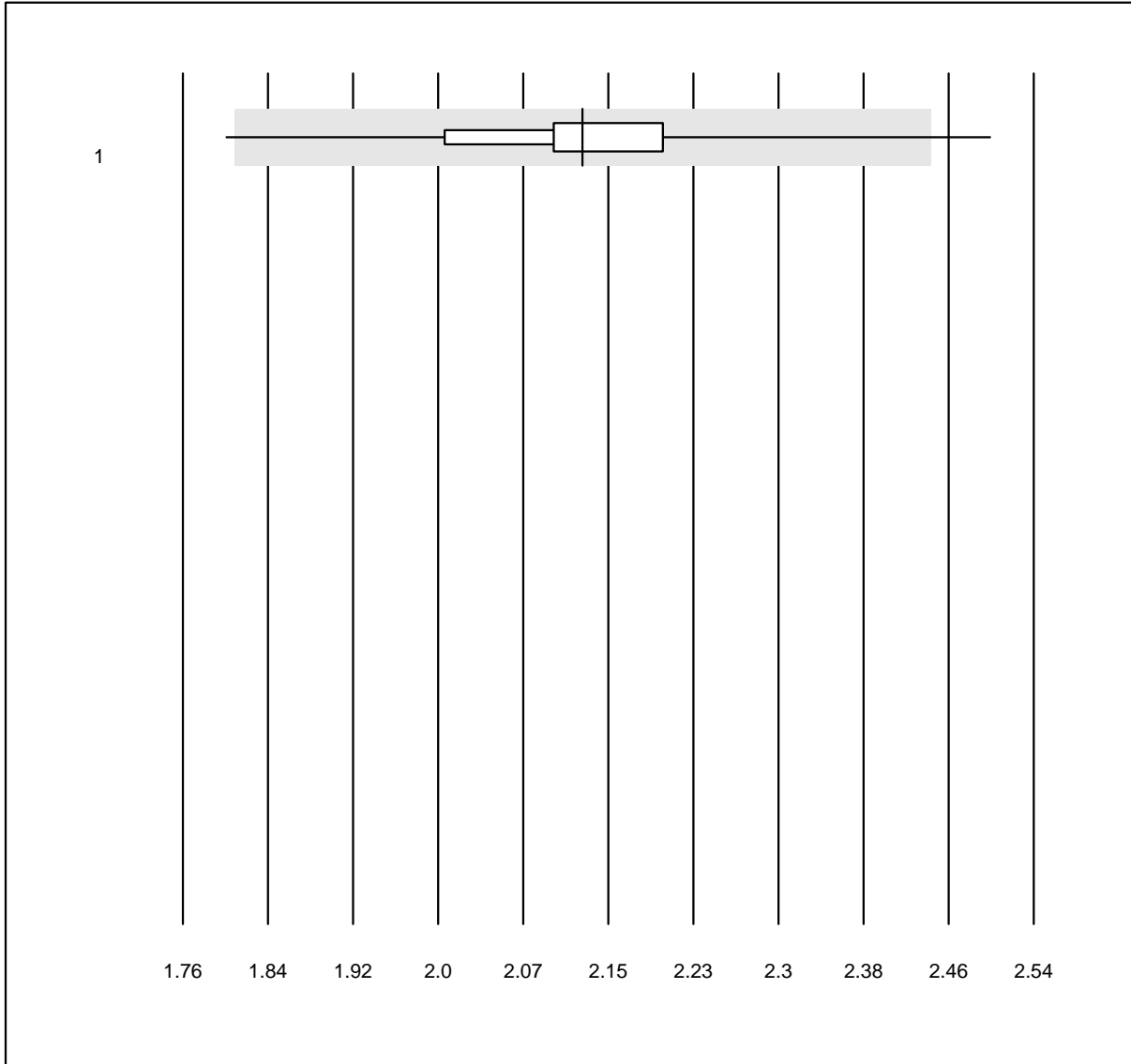


QUALAB Toleranz: 25%

CoaguChek APTT (Sek)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 CoaguChek Pro II	10	90.0	0.0	10.0	45.1	7.7	e

INR CCXS

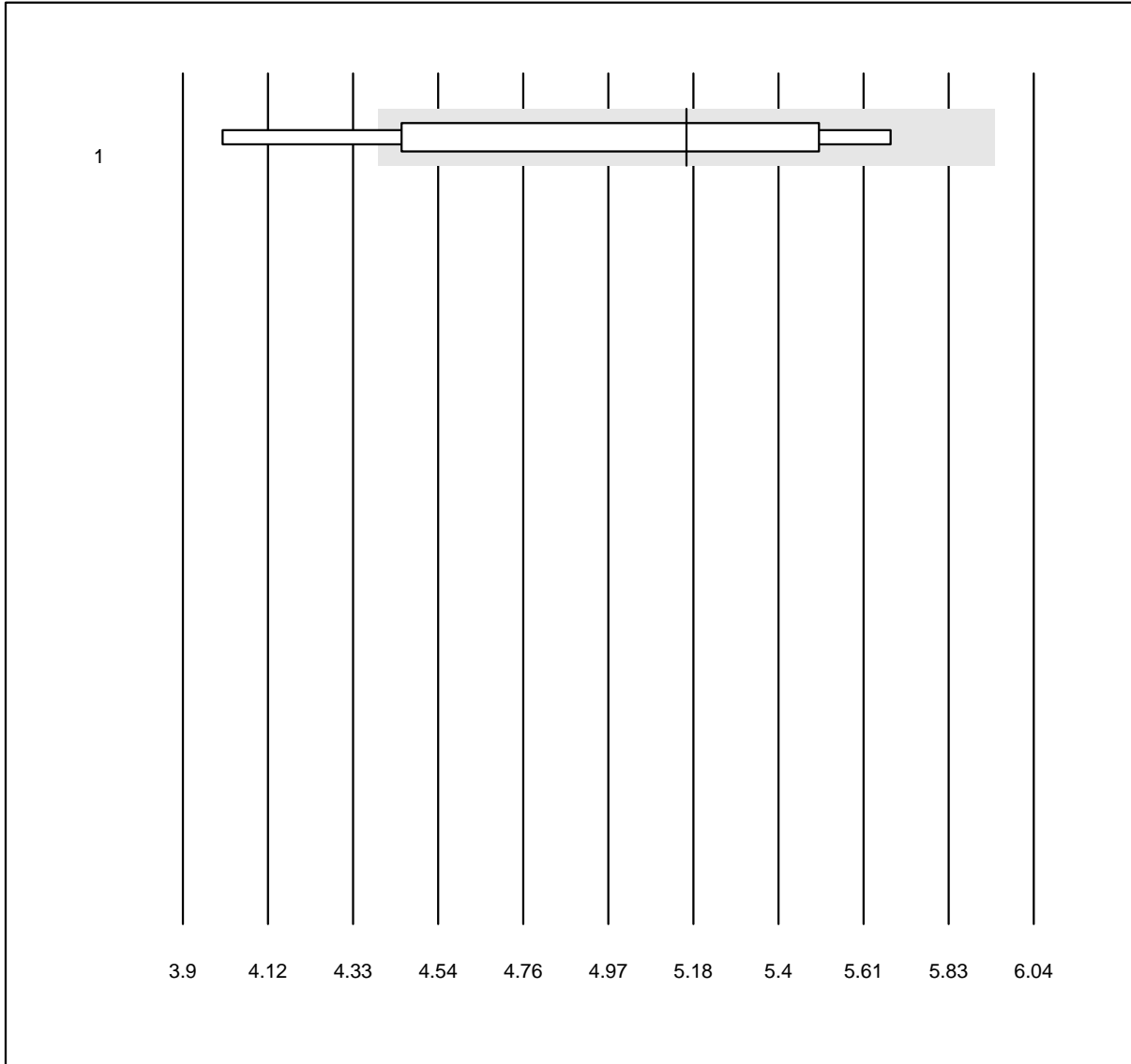


QUALAB Toleranz: 15%

INR CCXS (INR)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 CoaguChek XS	1125	98.5	1.2	0.4	2.1	4.6	e

INR HC

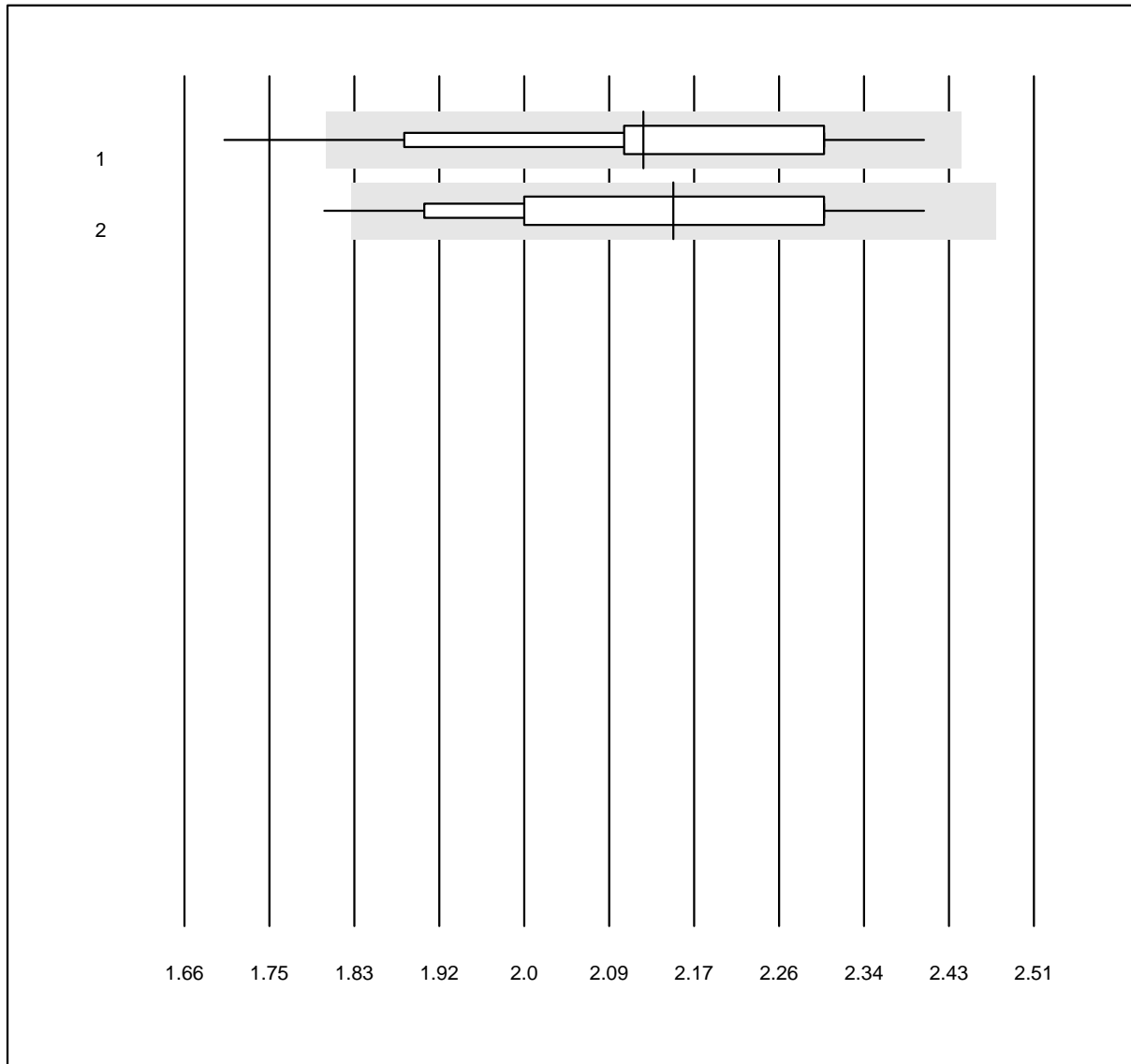


QUALAB Toleranz: 15%

INR HC ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 Hemochron j.	5	80.0	20.0	0.0	5.2	11.7 e*

INR MI

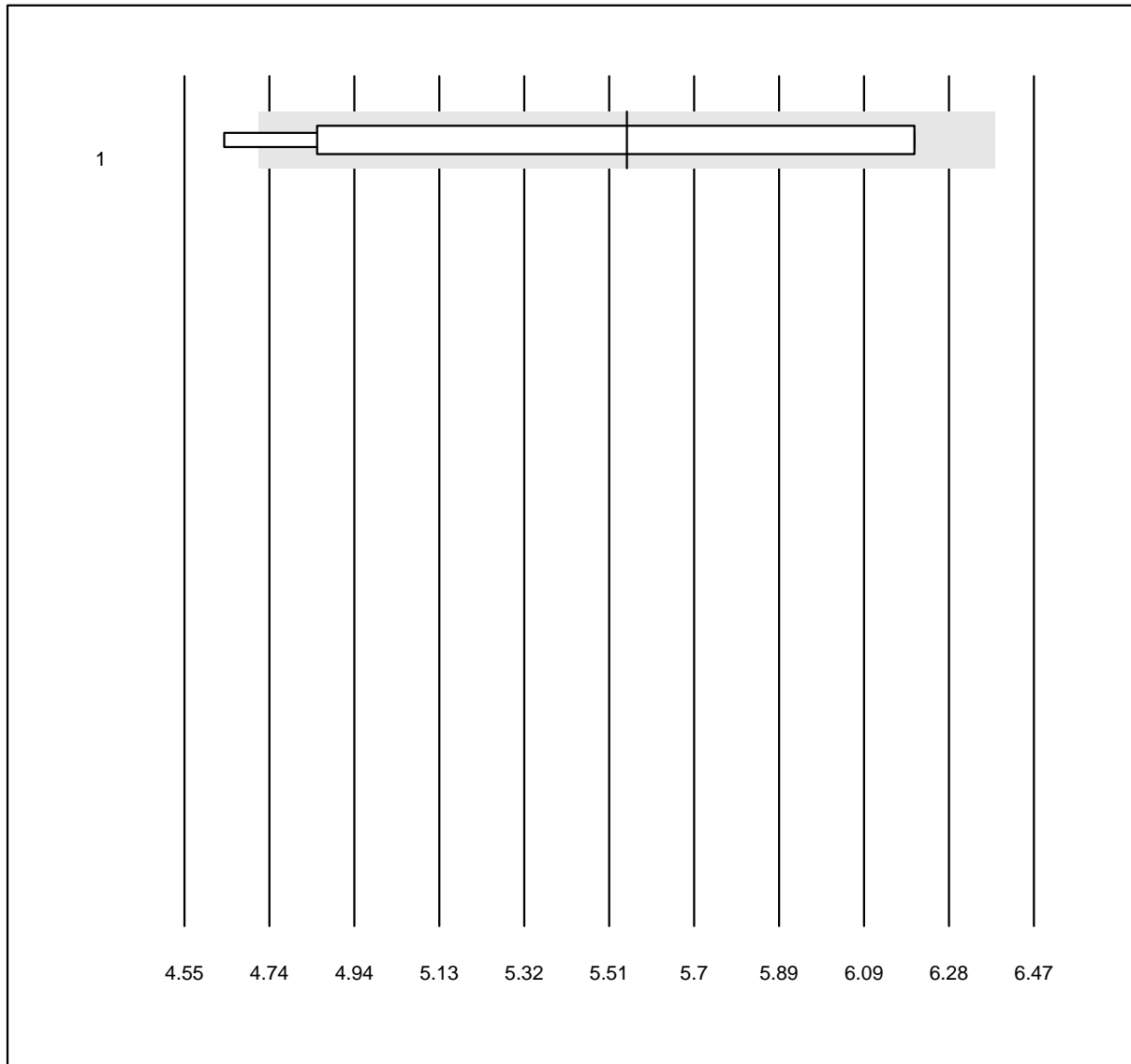


QUALAB Toleranz: 15%

INR MI ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 microINR	99	79.8	8.1	12.1	2.1	8.0	e
2 microINR Expert	43	88.4	2.3	9.3	2.1	7.3	e

INR Lumira Dx

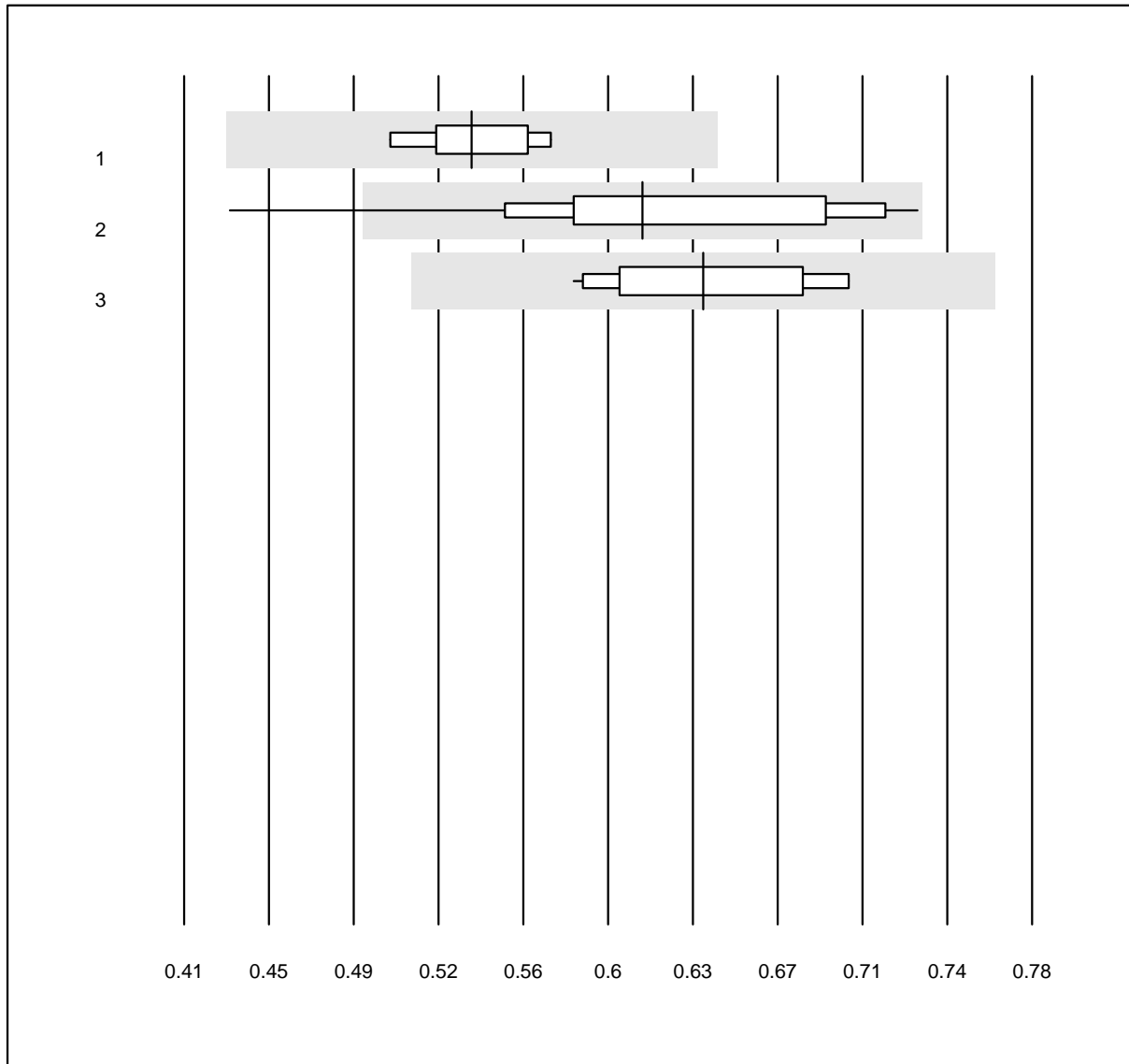


QUALAB Toleranz: 15%

INR Lumira Dx ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 Lumira Dx	6	83.3	16.7	0.0	5.5	13.0 e*

Anti-FXa (LMW-Heparin)

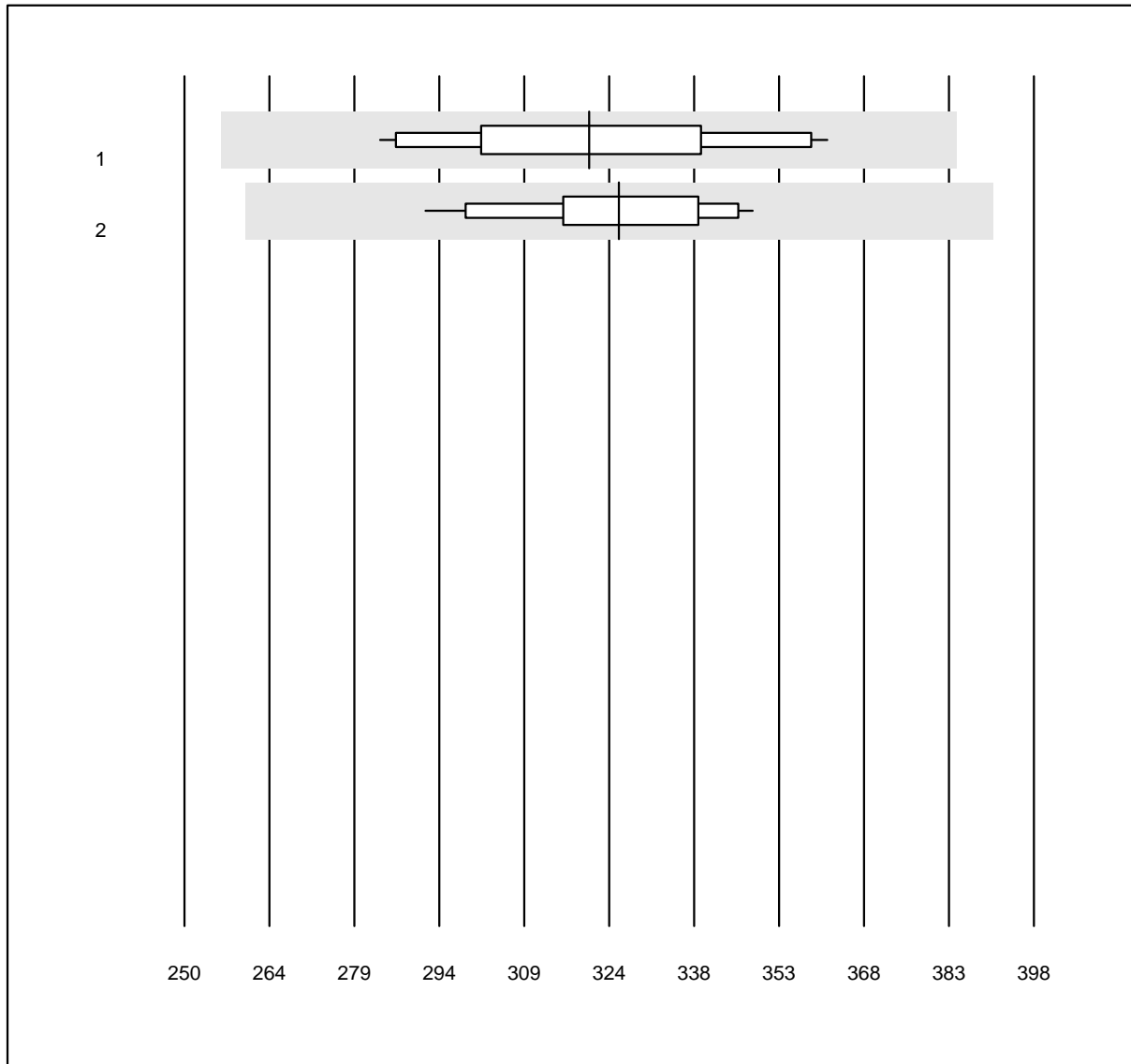


MQ Toleranz: 20%

Anti-FXa (LMW-Heparin)
(IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Stago/STA	11	100.0	0.0	0.0	0.54	4.6	e
2 ACL	23	95.7	4.3	0.0	0.61	10.9	a
3 Other methods	23	100.0	0.0	0.0	0.64	6.7	e

Anti-FXa (Rivaroxaban)



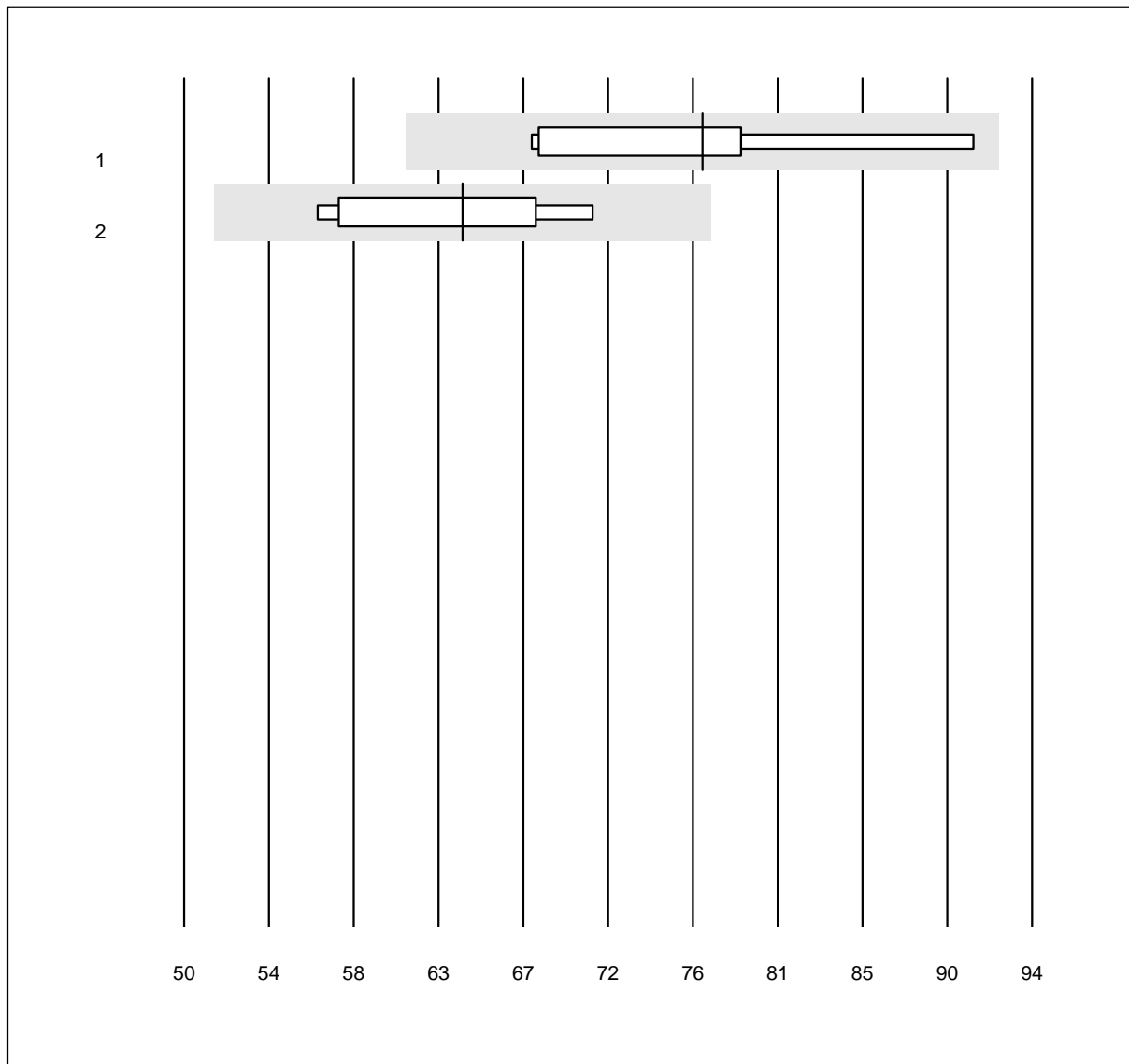
MQ Toleranz: 20%

Anti-FXa (Rivaroxaban)
(µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ACL	11	100.0	0.0	0.0	320.51	7.4	e
2 Stago/STA	14	100.0	0.0	0.0	325.70	4.8	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti-FXa (Apixaban)

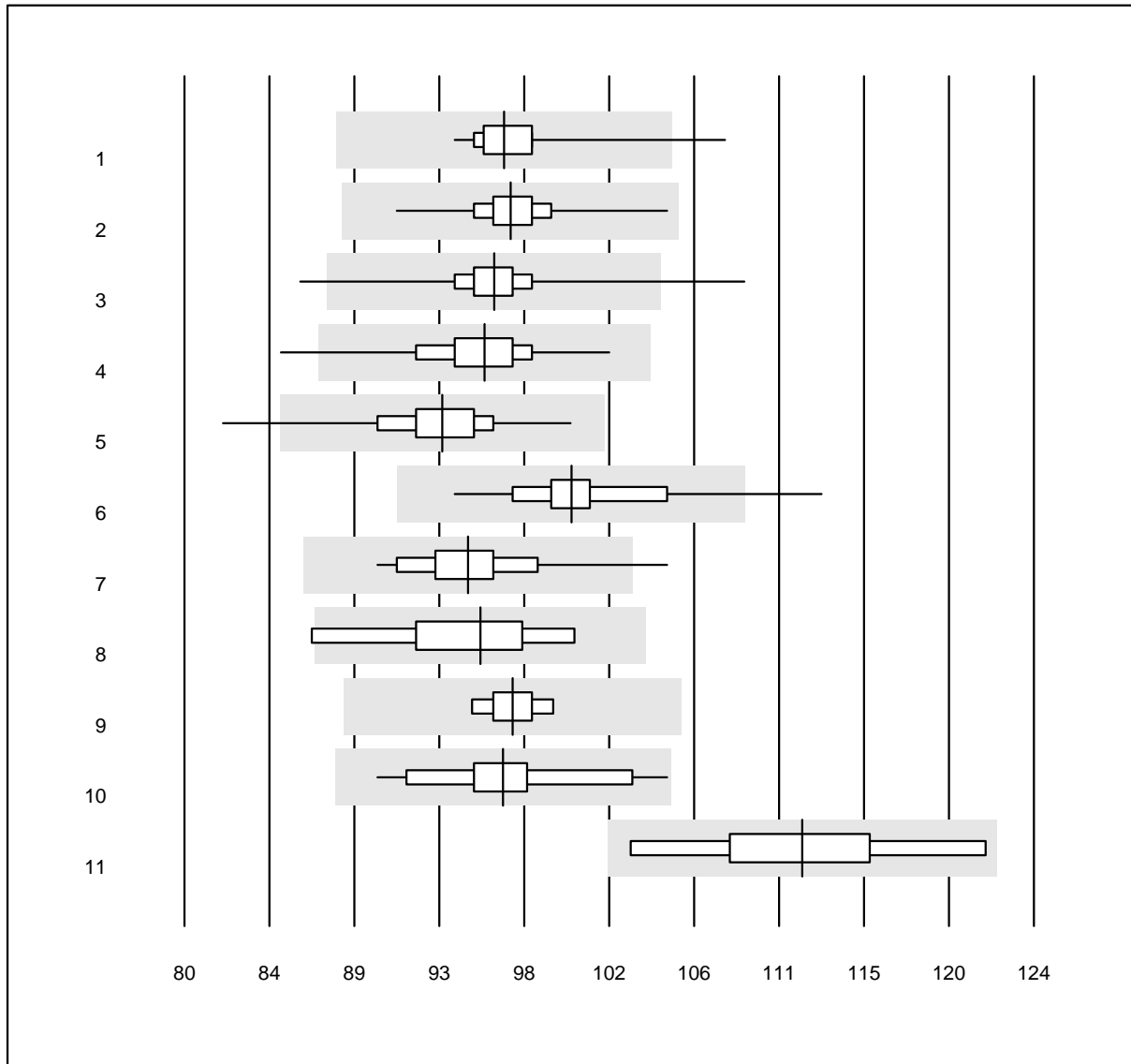


MQ Toleranz: 20%

Anti-FXa (Apixaban) (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ACL	5	100.0	0.0	0.0	76.90	10.1	a*
2 Stago/STA	8	100.0	0.0	0.0	64.45	8.3	e*

Hemoglobin 1



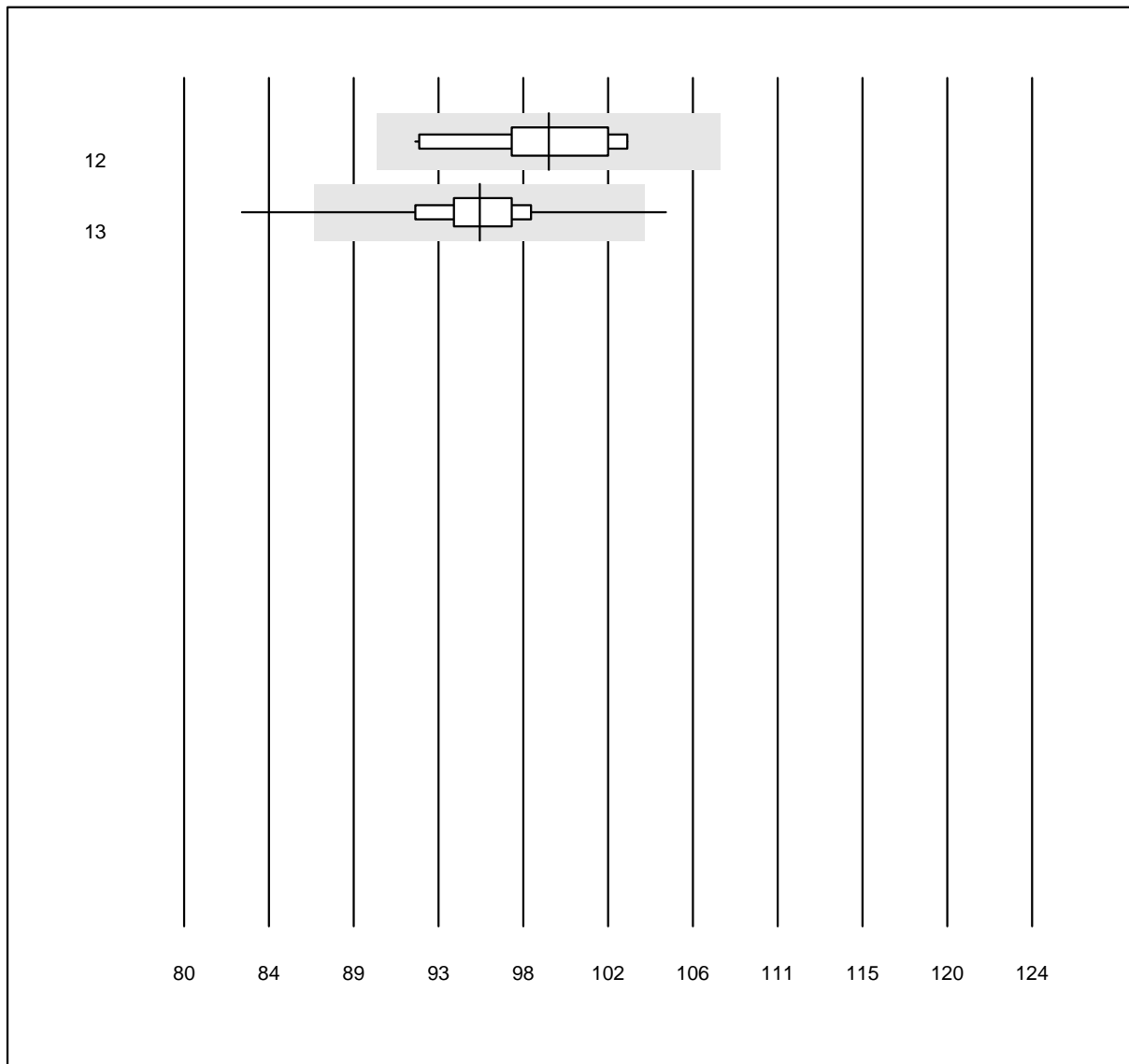
QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	61	98.4	1.6	0.0	96.6	2.1	e
2 Sysmex XQ-320	289	98.6	0.0	1.4	96.9	1.6	e
3 Sysmex XP-300	492	97.6	0.8	1.6	96.0	2.0	e
4 Sysmex Poch-100i	173	97.7	1.7	0.6	95.5	2.8	e
5 Mythic	181	97.2	1.1	1.7	93.4	2.8	e
6 Swelab	19	94.7	5.3	0.0	100.1	3.8	e
7 Micros 60	37	94.6	2.7	2.7	94.7	3.3	e
8 Automat	5	100.0	0.0	0.0	95.3	3.8	e*
9 Hemocontrol	8	100.0	0.0	0.0	97.0	1.3	e
10 Cyanmethemoglobin	12	100.0	0.0	0.0	96.5	3.6	e
11 Hemocue Hb 801	8	100.0	0.0	0.0	112.0	4.8	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin 2



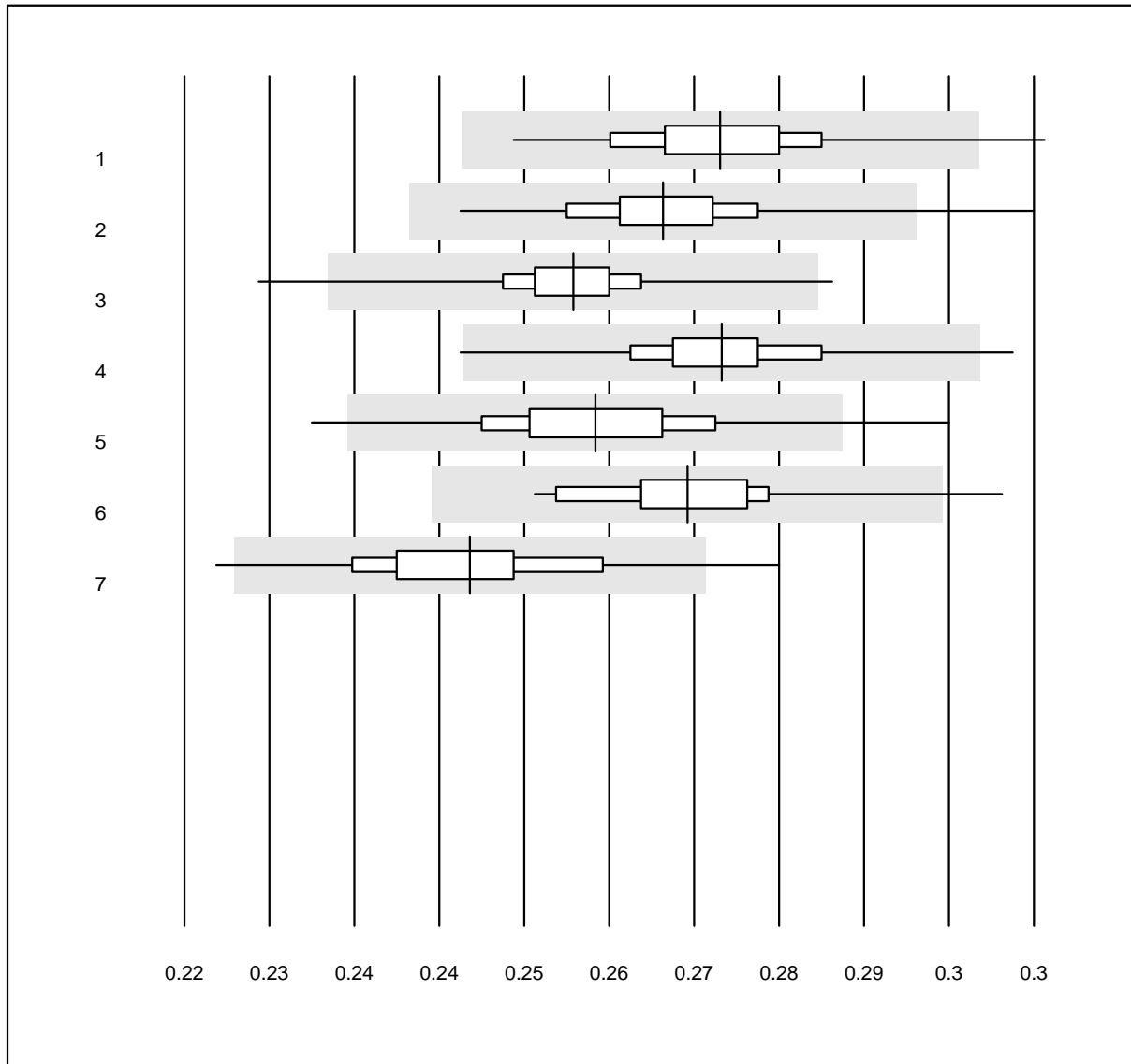
QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 DiaSpect	13	84.6	0.0	15.4	98.9	3.8	e
13 Hemocue	386	94.8	1.6	3.6	95.3	2.8	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Hematocrit



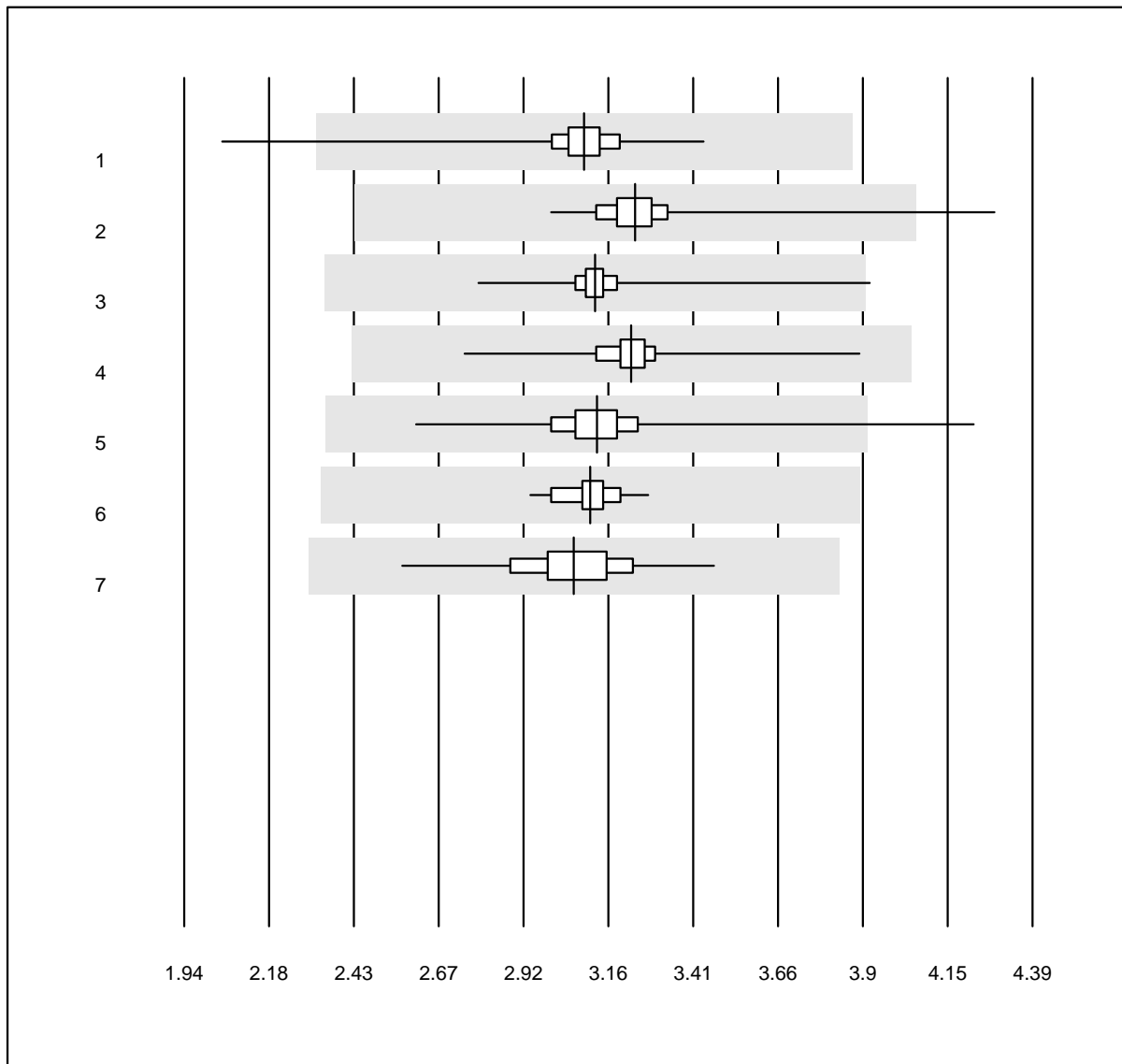
QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	61	96.7	1.6	1.6	0.27	3.1	e
2 Sysmex XQ-320	286	97.2	0.7	2.1	0.27	2.8	e
3 Sysmex XP-300	493	97.4	0.6	2.0	0.26	2.2	e
4 Sysmex Poch-100i	173	96.5	1.2	2.3	0.27	2.6	e
5 Mythic	181	96.1	1.7	2.2	0.26	3.6	e
6 Swelab	19	94.7	5.3	0.0	0.27	3.6	e
7 Micros 60	37	89.2	5.4	5.4	0.25	4.0	e

6 additional results were submitted but not published because the method groups were too small. (< results per group)

Erythrocytes



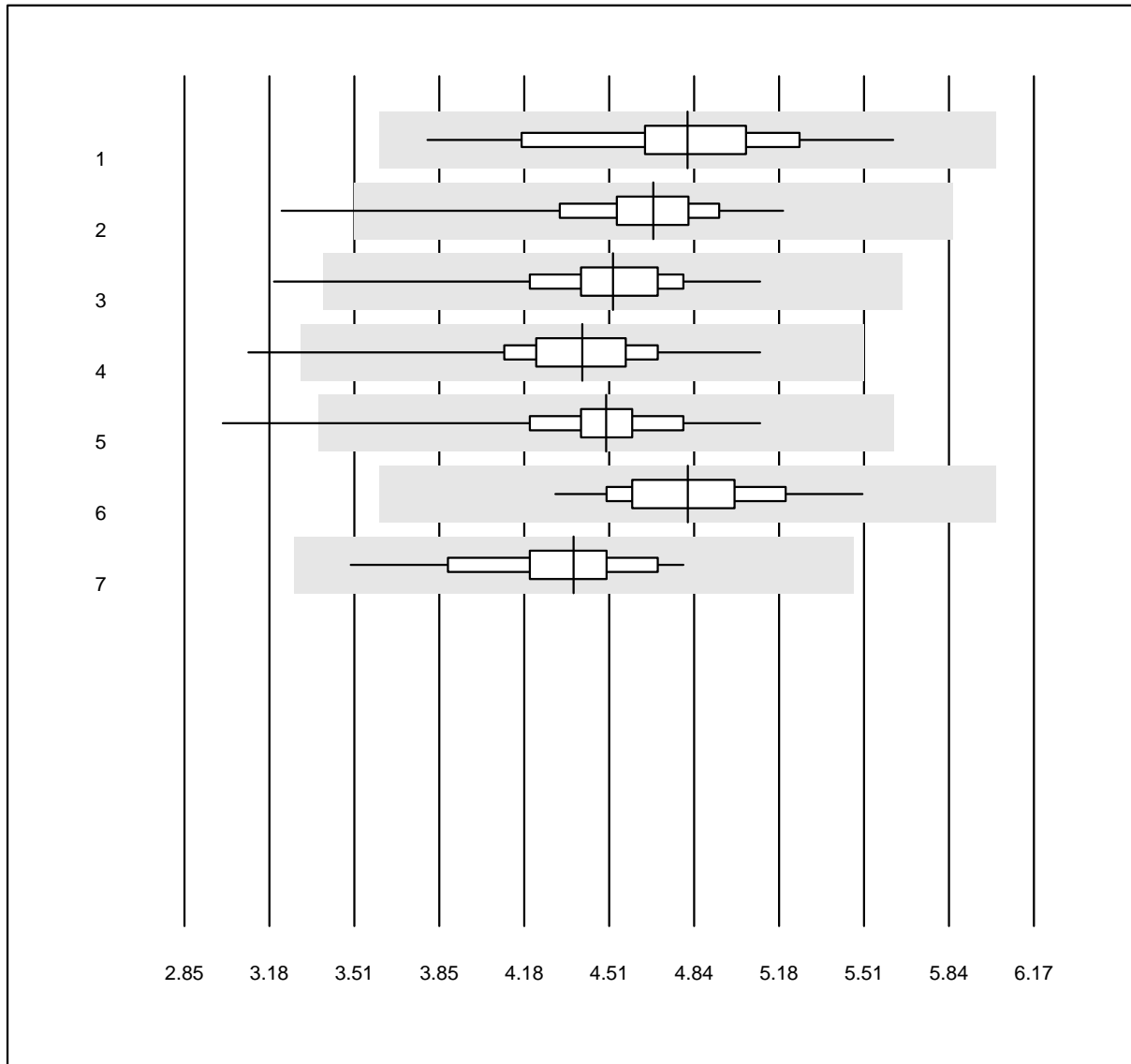
QUALAB Toleranz: 25%

Erythrocytes (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	61	98.4	1.6	0.0	3.09	5.0	e
2 Sysmex XQ-320	287	98.3	0.3	1.4	3.24	3.5	e
3 Sysmex XP-300	493	98.6	0.2	1.2	3.13	2.6	e
4 Sysmex Poch-100i	173	100.0	0.0	0.0	3.23	3.3	e
5 Mythic	181	98.3	0.6	1.1	3.13	4.6	e
6 Swelab	19	100.0	0.0	0.0	3.11	2.4	e
7 Micros 60	37	94.6	0.0	5.4	3.07	5.4	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Leucocytes



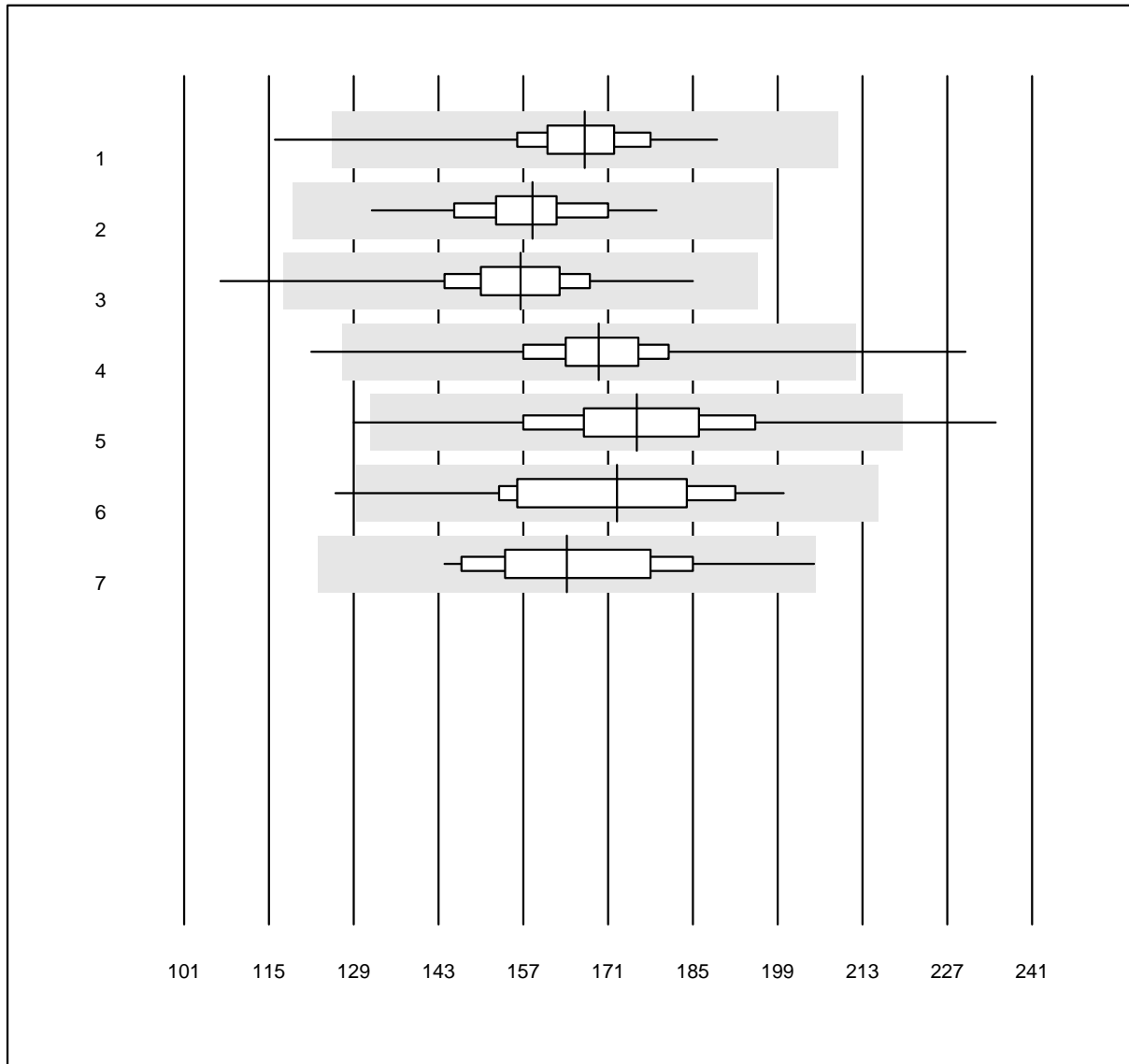
QUALAB Toleranz: 25%

Leucocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex XN	61	100.0	0.0	0.0	4.82	8.5	e
2 Sysmex XQ-320	286	98.3	1.7	0.0	4.68	6.2	e
3 Sysmex XP-300	493	99.0	0.4	0.6	4.53	5.8	e
4 Sysmex Poch-100i	173	98.8	0.6	0.6	4.41	6.7	e
5 Mythic	180	98.9	0.6	0.6	4.50	6.2	e
6 Swelab	19	100.0	0.0	0.0	4.82	5.8	e
7 Micros 60	37	100.0	0.0	0.0	4.37	6.6	e

6 additional results were submitted but not published because the method groups were too small. (< results per group)

Thrombocytes



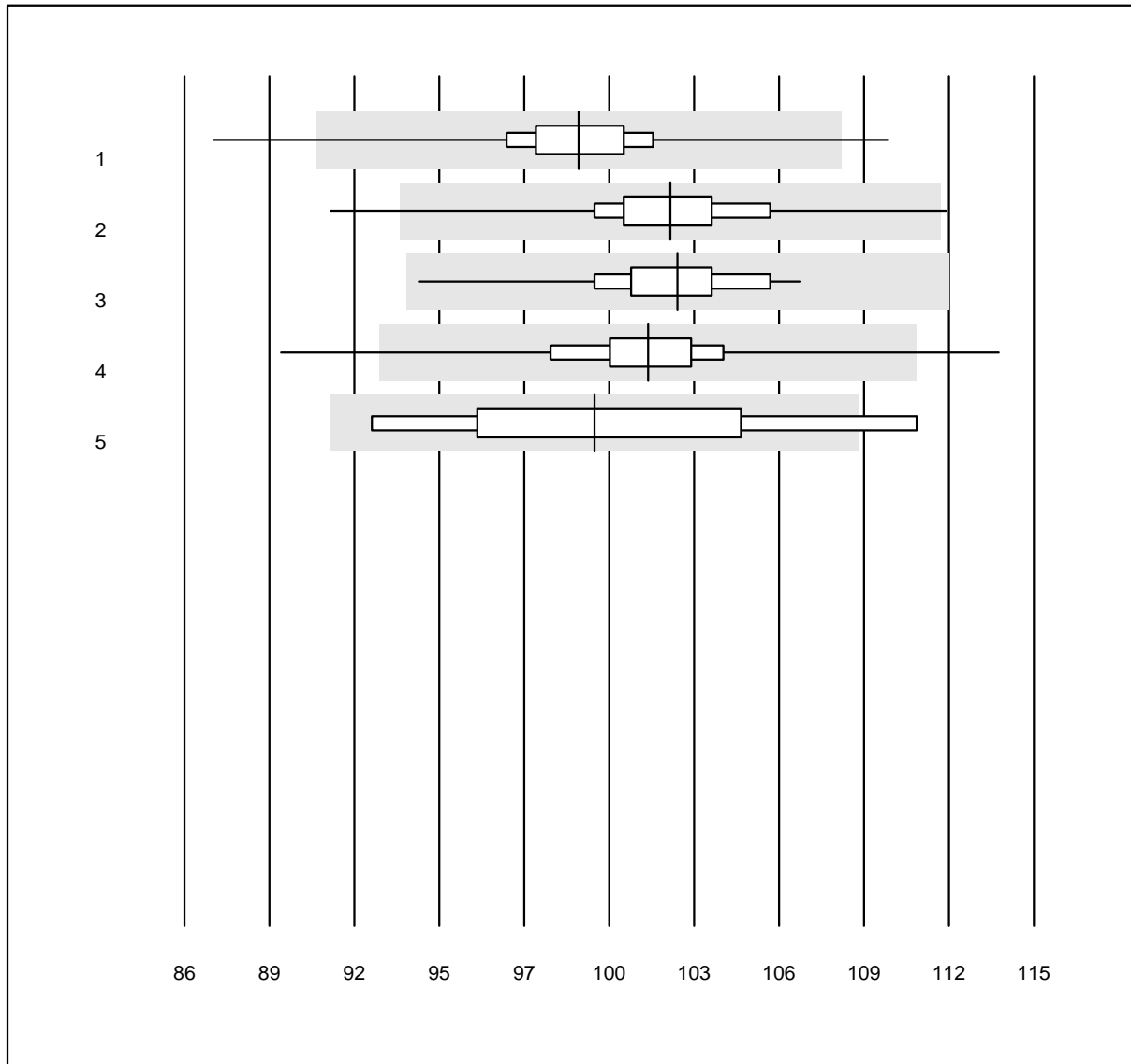
QUALAB Toleranz: 25%

Thrombocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex PochH-100i	173	97.1	1.7	1.2	167.1	6.5	e
2 Sysmex XN	61	100.0	0.0	0.0	158.5	5.8	e
3 Sysmex XQ-320	287	99.0	0.3	0.7	156.6	6.6	e
4 Sysmex XP-300	492	99.0	0.8	0.2	169.5	6.1	e
5 Mythic	181	95.6	1.7	2.8	175.7	8.7	e
6 Swelab	19	94.7	5.3	0.0	172.5	10.2	e
7 Micros 60	37	94.6	0.0	5.4	164.2	9.1	e

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin H2



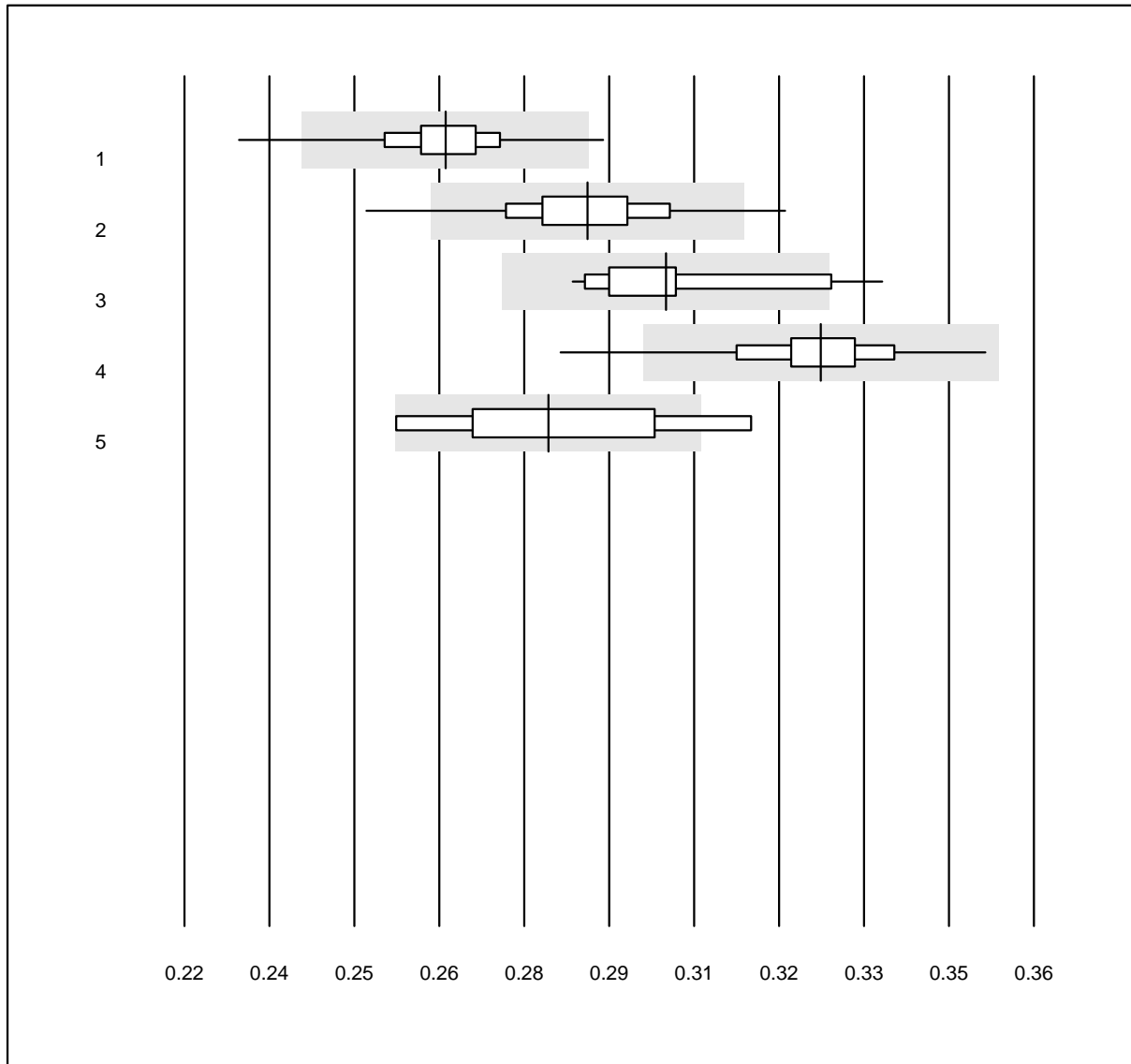
QUALAB Toleranz: 9%

Hemoglobin H2 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	960	96.4	1.4	2.3	99.5	2.3	e
2 Zybio Z3	364	98.4	0.5	1.1	102.6	2.7	e
3 Nihon Kohden	29	96.6	0.0	3.4	102.8	2.4	e
4 MEK-1303/5	96	92.7	5.2	2.1	101.8	3.3	e
5 Dymind DP-H10	8	75.0	12.5	12.5	100.0	5.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Hematocrit H2



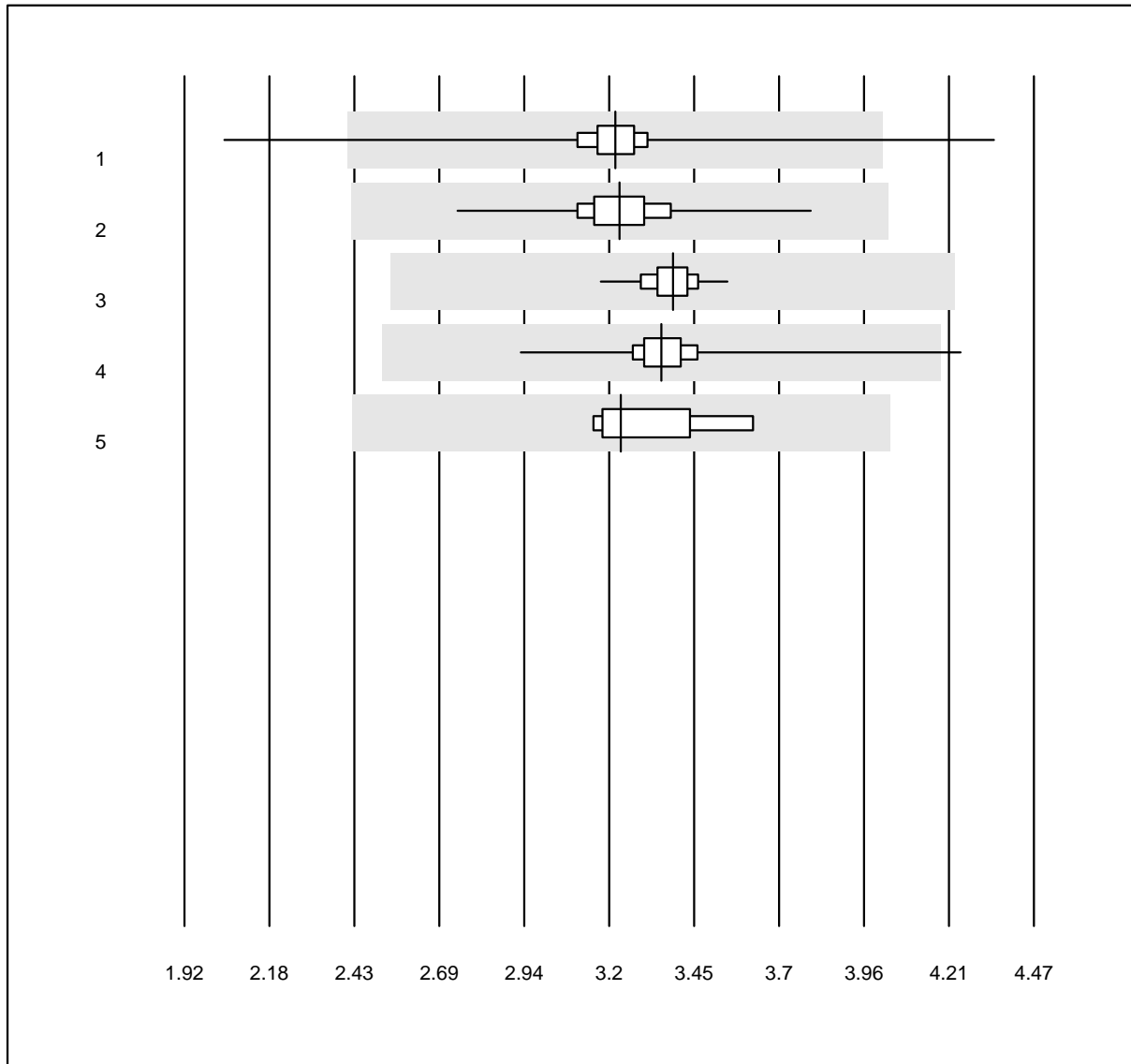
QUALAB Toleranz: 9%

Hematocrit H2 (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	960	95.7	1.8	2.5	0.26	3.2	e
2 Zybio Z3	365	97.3	2.2	0.5	0.29	3.8	e
3 Nihon Kohden	29	86.2	6.9	6.9	0.30	4.8	e
4 MEK-1303/5	96	94.8	2.1	3.1	0.32	3.3	e
5 Dymind DP-H10	8	87.5	12.5	0.0	0.28	7.0	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Erythrocytes H2



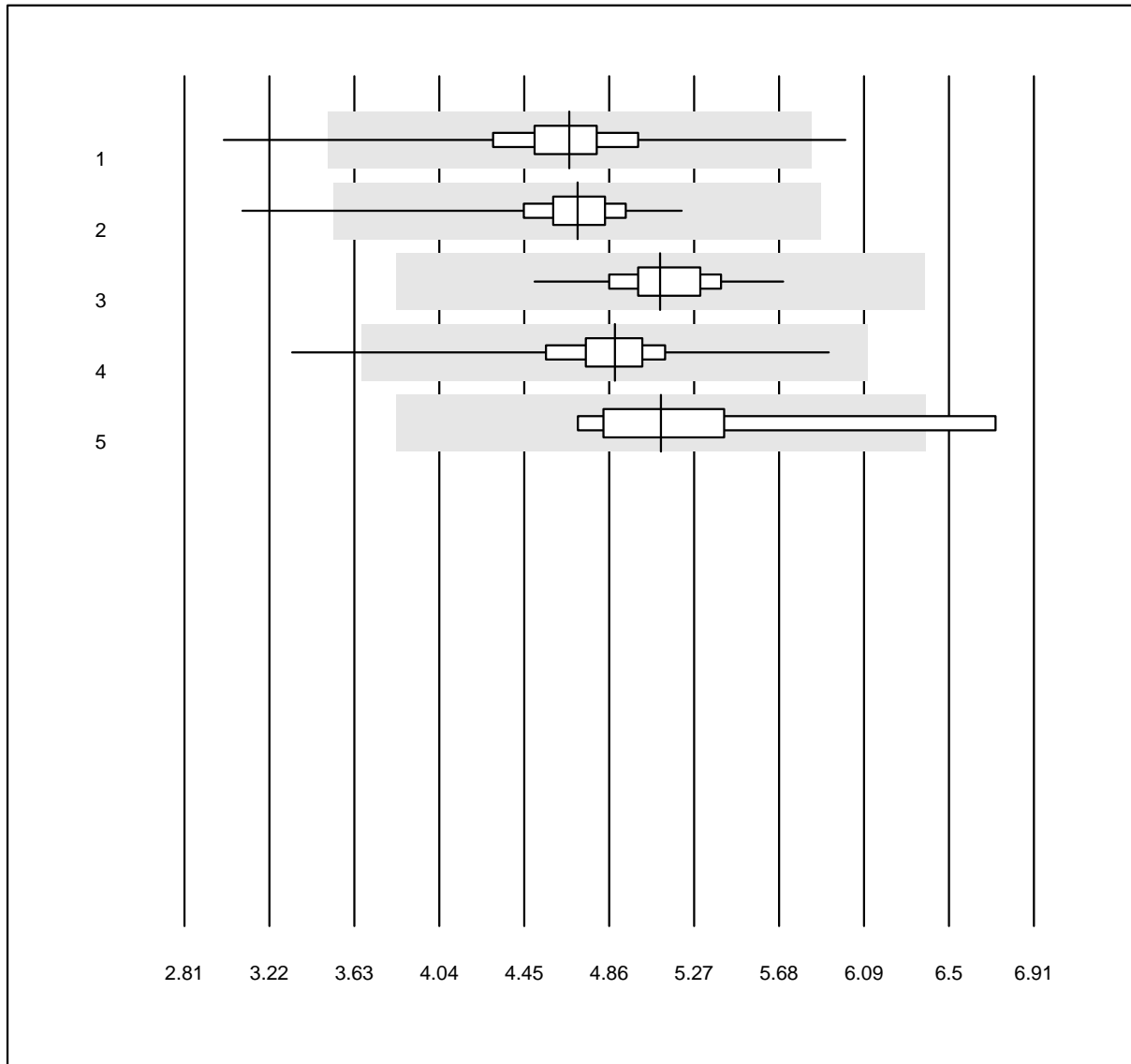
QUALAB Toleranz: 25%

Erythrocytes H2 (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	959	98.3	0.6	1.0	3.21	4.1	e
2 Zybio Z3	365	99.5	0.0	0.5	3.23	3.7	e
3 Nihon Kohden	29	96.6	0.0	3.4	3.39	2.2	e
4 MEK-1303/5	96	97.9	1.0	1.0	3.35	4.1	e
5 Dymind DP-H10	8	100.0	0.0	0.0	3.23	5.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Leucocytes H2



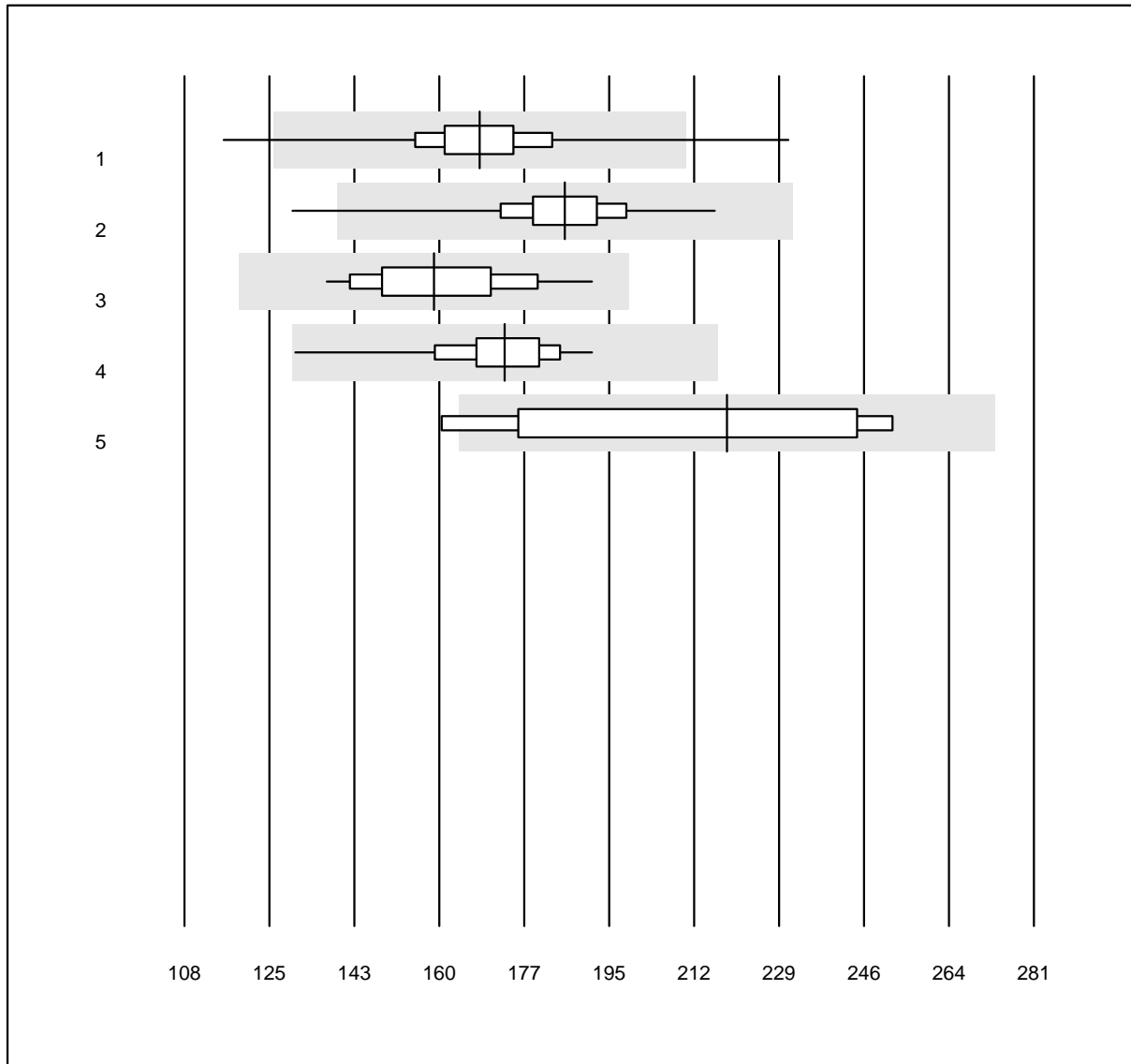
QUALAB Toleranz: 25%

Leucocytes H2 (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	959	98.0	1.1	0.8	4.67	6.7	e
2 Zybio Z3	365	97.8	1.6	0.5	4.71	5.8	e
3 Nihon Kohden	29	100.0	0.0	0.0	5.11	4.5	e
4 MEK-1303/5	96	99.0	1.0	0.0	4.89	6.1	e
5 Dymind DP-H10	8	87.5	12.5	0.0	5.11	11.5	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Thrombocytes H2



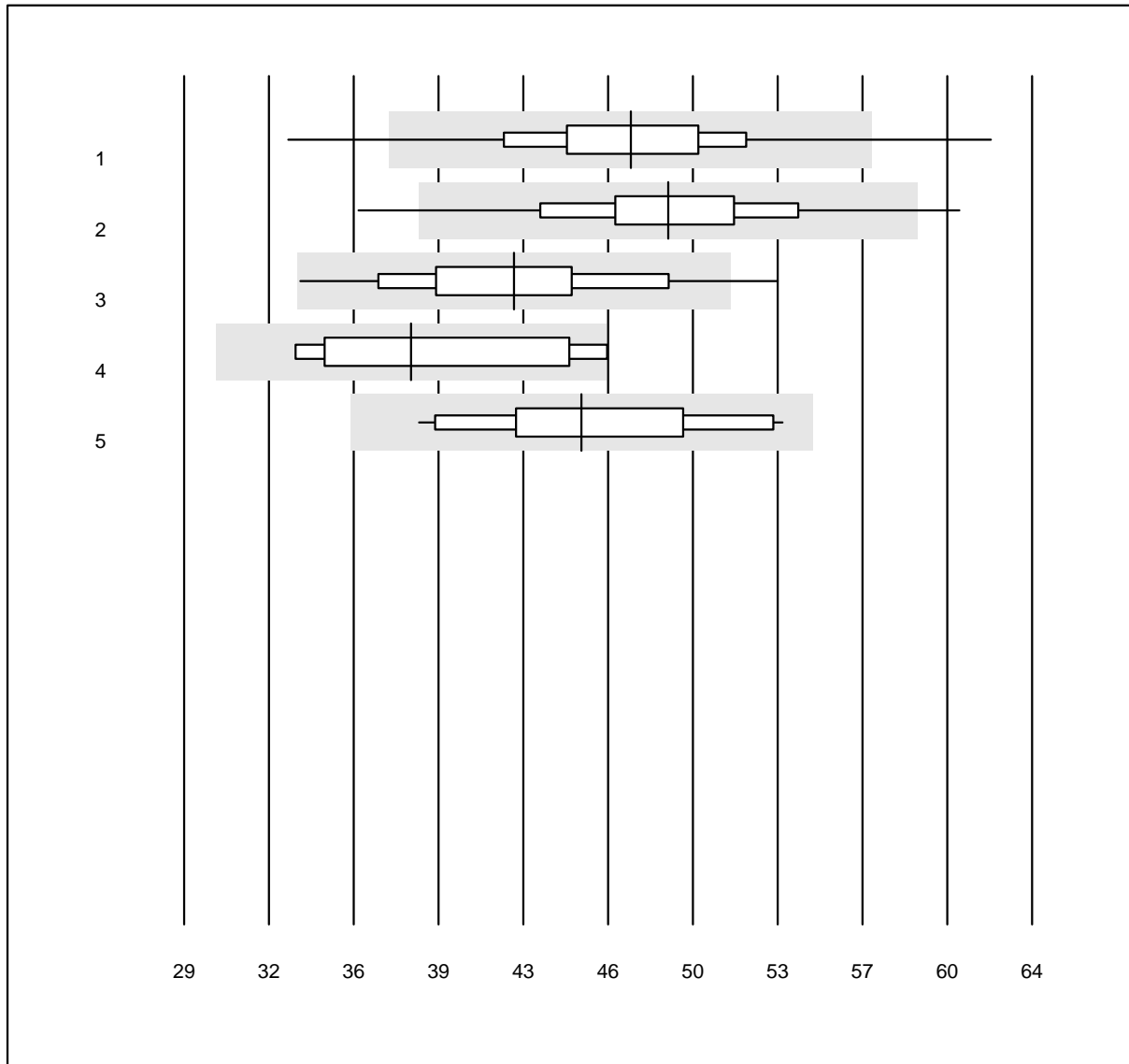
QUALAB Toleranz: 25%

Thrombocytes H2 (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	959	97.7	1.4	0.9	168.1	7.5	e
2 Zybio Z3	365	98.9	0.5	0.5	185.5	6.2	e
3 Nihon Kohden	29	96.6	0.0	3.4	158.8	8.8	e
4 MEK-1303/5	94	100.0	0.0	0.0	173.2	6.6	e
5 Dymind DP-H10	8	75.0	12.5	12.5	218.5	15.4	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

CRP H2



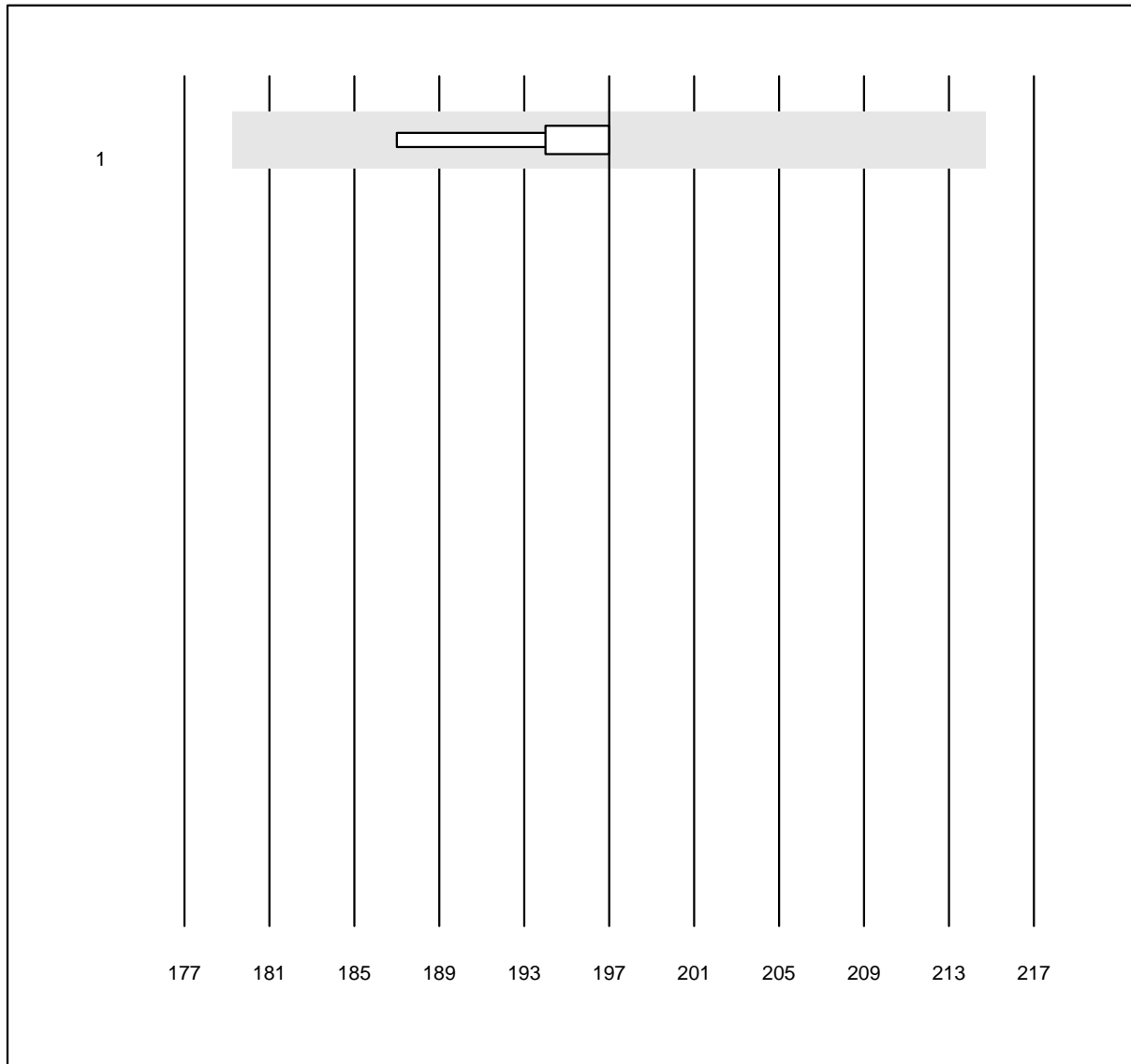
QUALAB Toleranz: 21%

CRP H2 (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Microsemi	945	95.8	2.2	2.0	47.4	8.7	e
2 Zybio Z3	344	95.6	1.5	2.9	49.0	8.2	e
3 MEK-1303/5	83	95.2	4.8	0.0	42.6	10.2	e
4 Dymind DP-H10	7	100.0	0.0	0.0	38.4	14.0	e*
5 Celltac chemi	12	91.7	0.0	8.3	45.4	9.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin BG

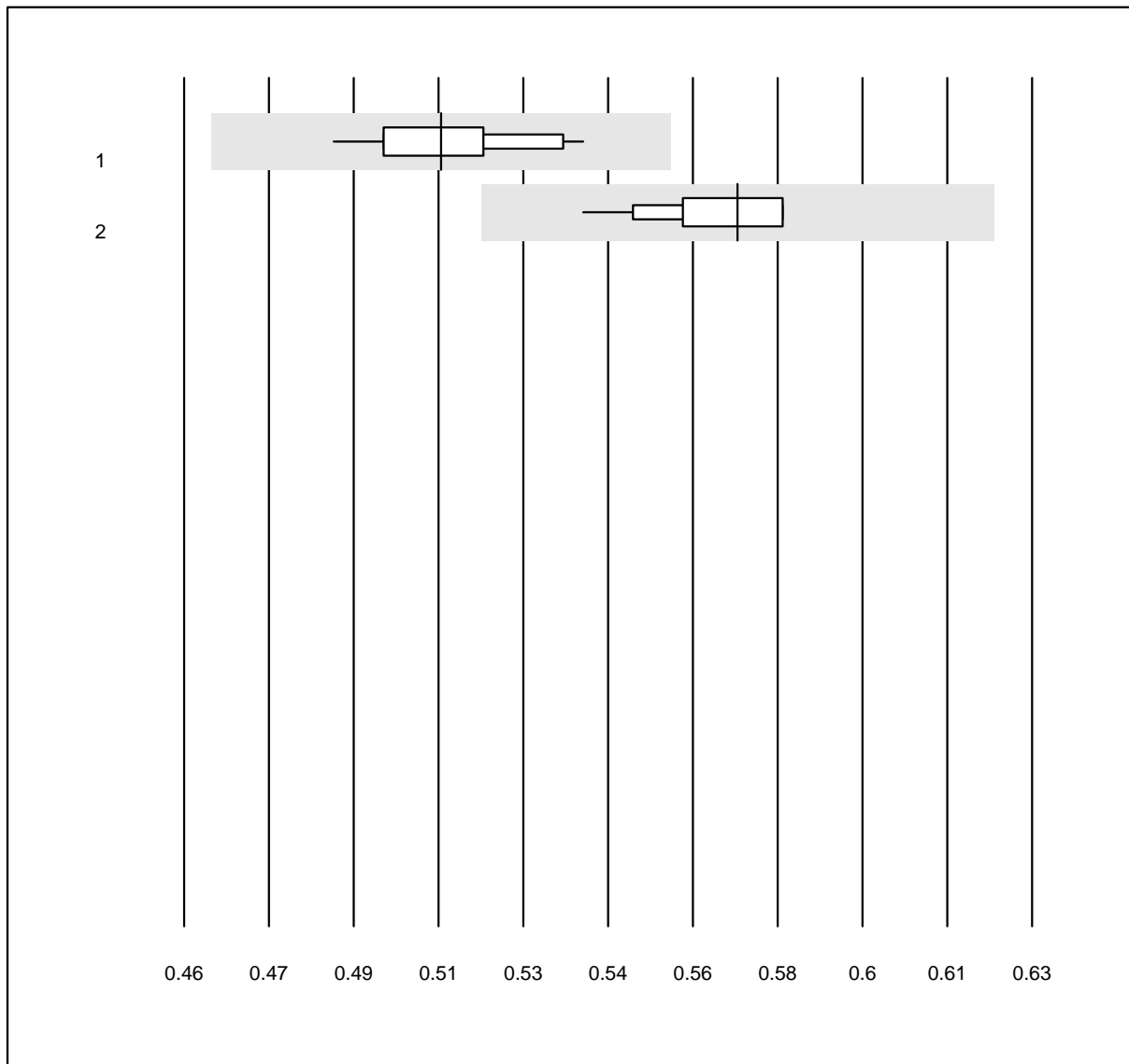


QUALAB Toleranz: 9%

Hemoglobin BG (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 iStat	15	100.0	0.0	0.0	197.0	1.9	e

Hematocrit

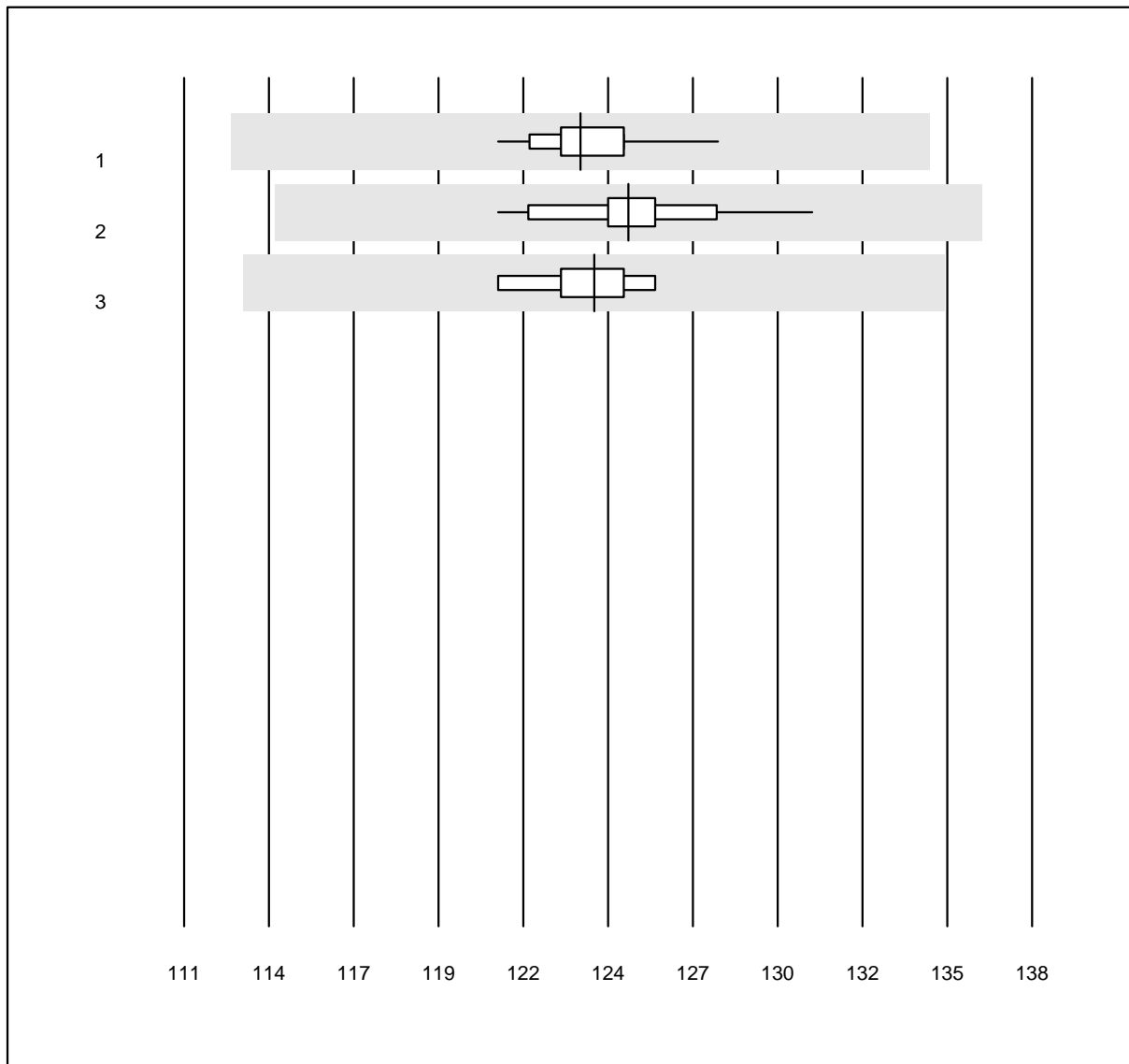


QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 EPOC	23	100.0	0.0	0.0	0.51	2.6	e
2 iStat	21	100.0	0.0	0.0	0.57	2.1	e

Hemoglobin

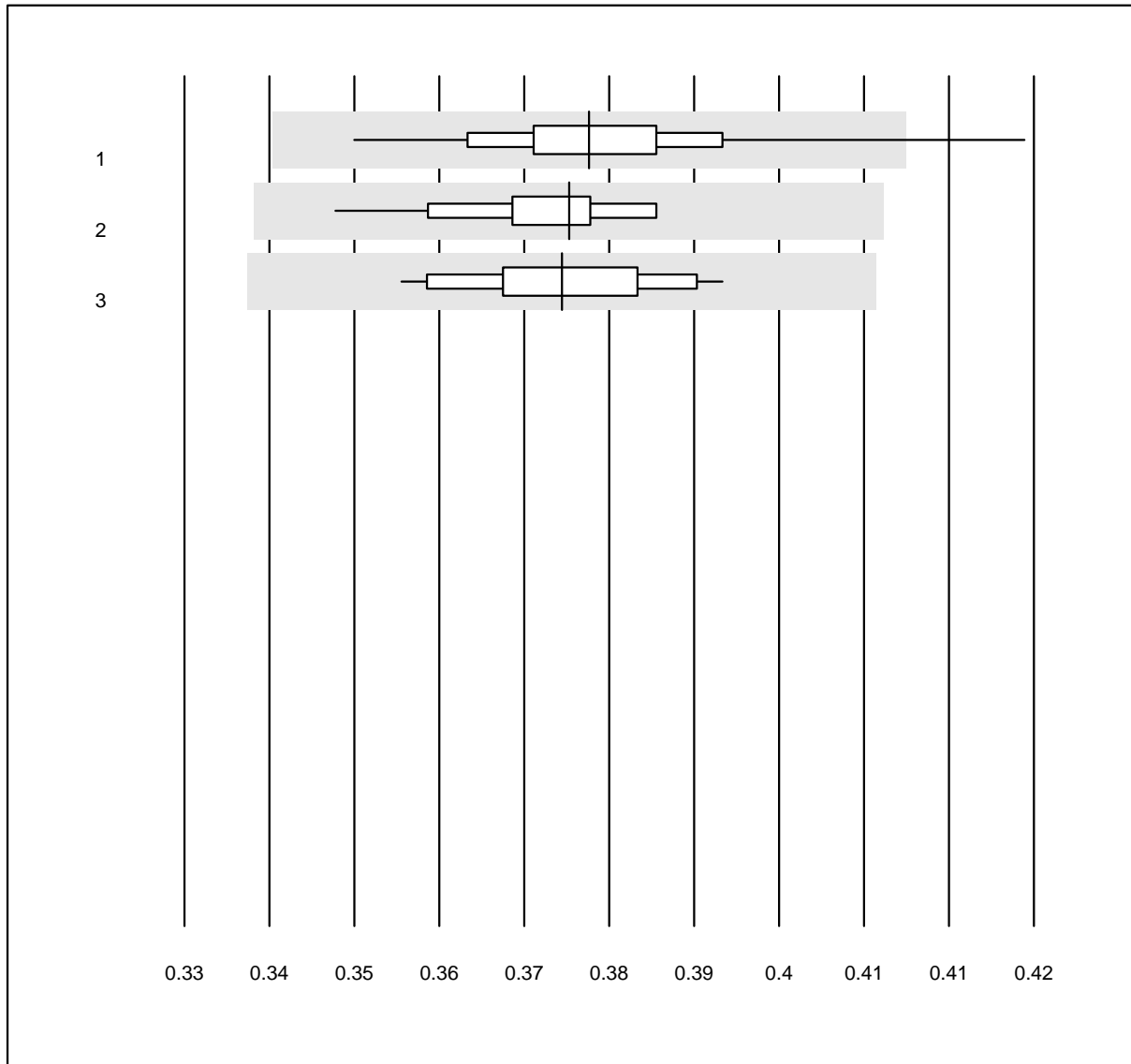


QUALAB Toleranz: 9%

Hemoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	99.3	0.0	0.7	123.6	1.1	e
2 Beckman	17	100.0	0.0	0.0	125.1	1.7	e
3 Yumizen/Pentra	12	100.0	0.0	0.0	124.1	1.4	e

Hematocrit

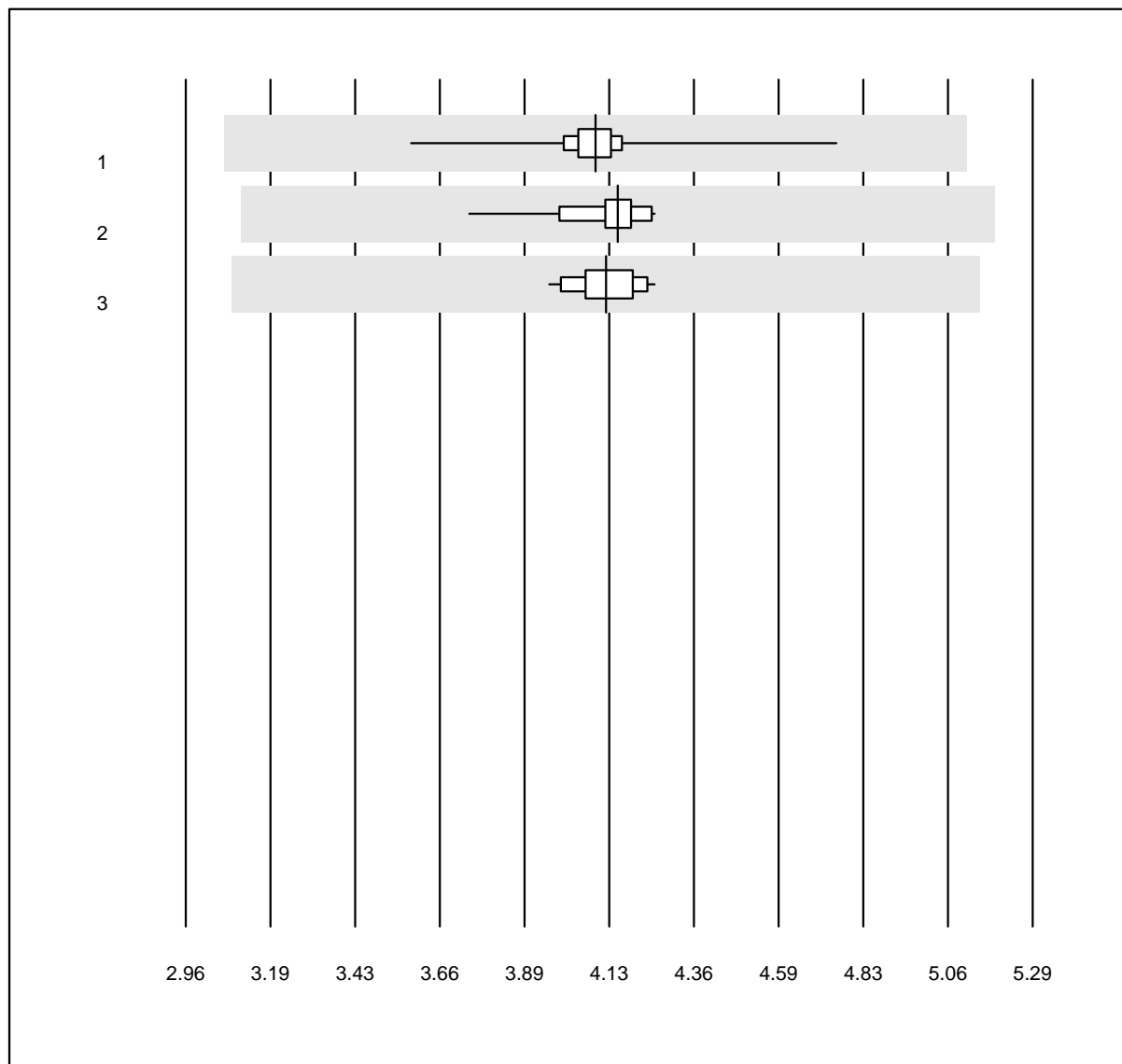


QUALAB Toleranz: 9%

Hematocrit (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	95.0	1.4	3.6	0.37	2.9	e
2 Beckman	17	94.1	0.0	5.9	0.37	2.3	e
3 Yumizen/Pentra	12	100.0	0.0	0.0	0.37	2.5	e

Erythrocytes

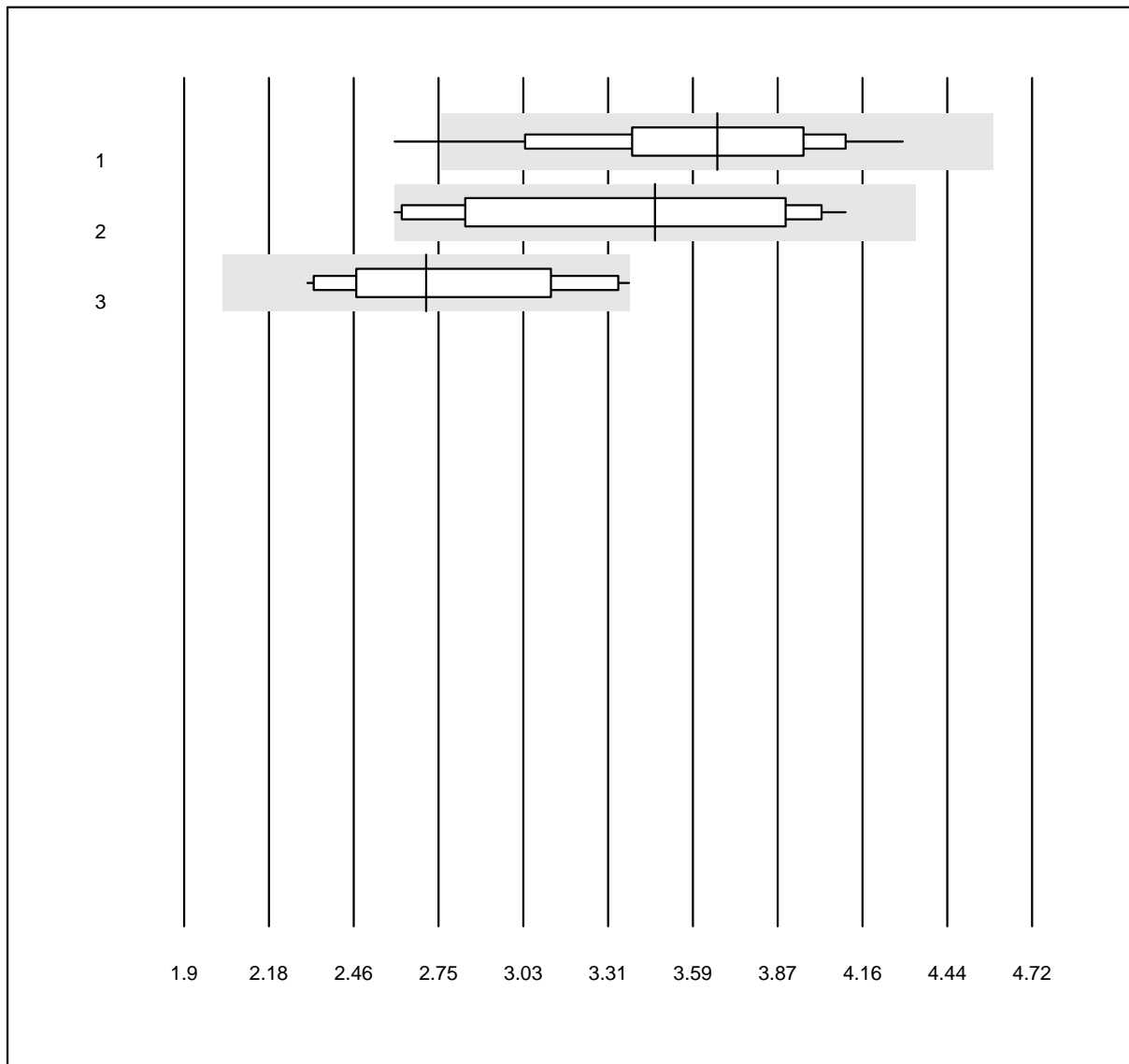


QUALAB Toleranz: 25%

Erythrocytes (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	100.0	0.0	0.0	4.09	2.3	e
2 Beckman	17	100.0	0.0	0.0	4.15	2.8	e
3 Yumizen/Pentra	13	100.0	0.0	0.0	4.12	1.9	e

Leucocytes

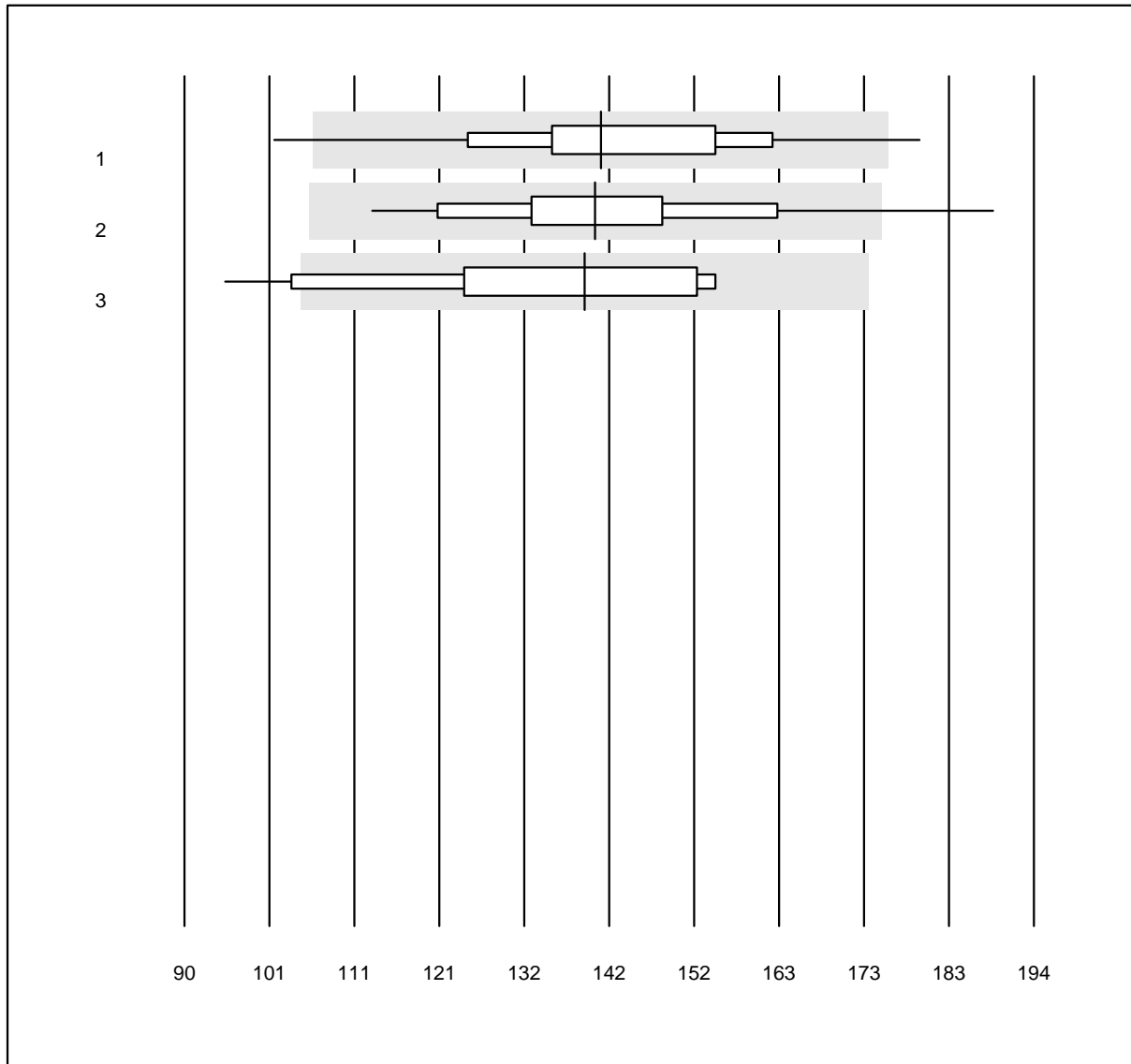


QUALAB Toleranz: 25%

Leucocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	138	96.4	1.4	2.2	3.67	11.0	e
2 Beckman	17	100.0	0.0	0.0	3.47	15.7	e*
3 Yumizen/Pentra	14	85.7	0.0	14.3	2.71	12.4	e*

Thrombocytes

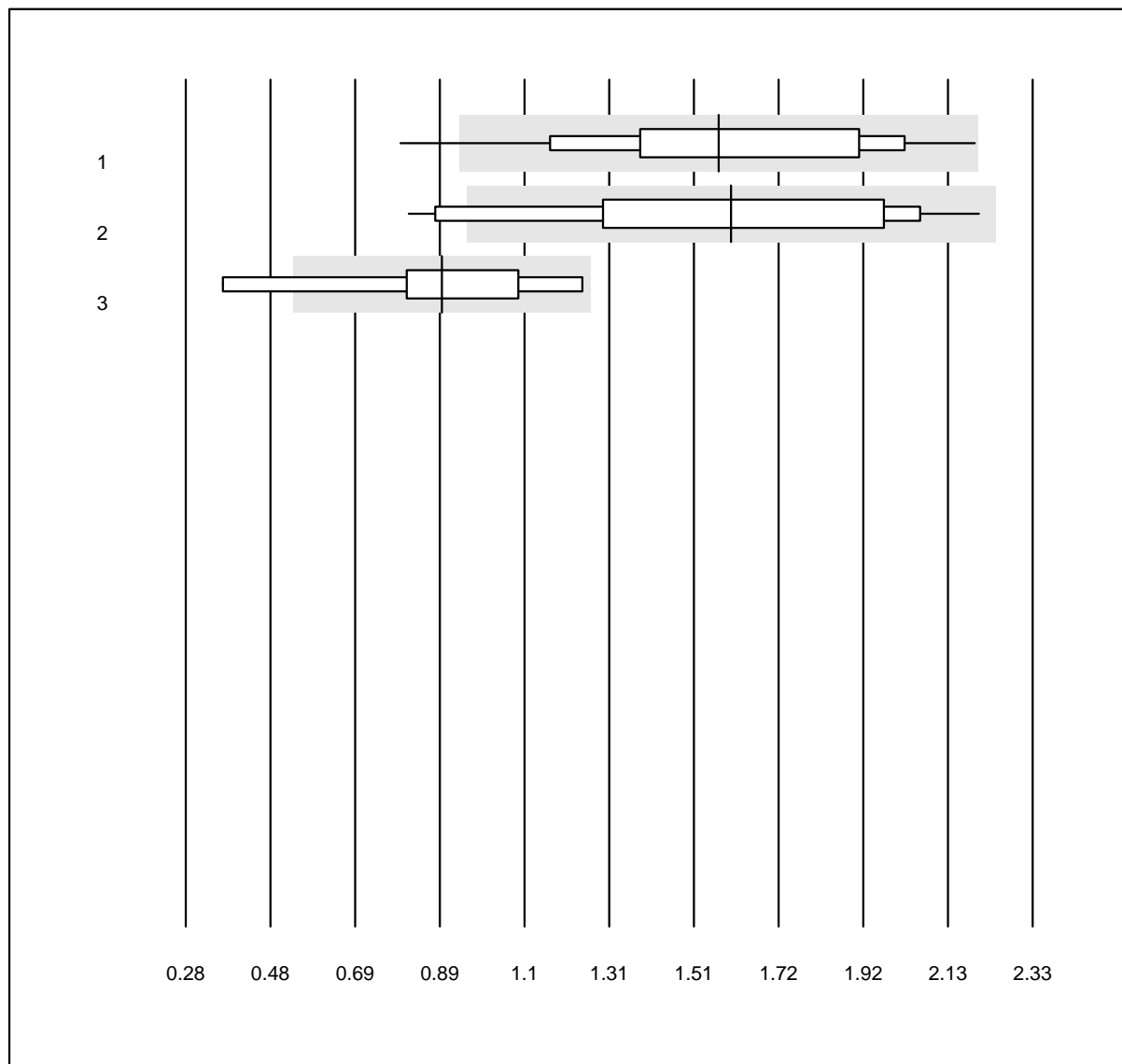


QUALAB Toleranz: 25%

Thrombocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	138	96.4	2.2	1.4	141.0	10.3	a
2 Beckman	17	94.1	5.9	0.0	140.3	11.6	e
3 Yumizen/Pentra	13	84.6	7.7	7.7	139.0	13.2	e*

Neutrophils

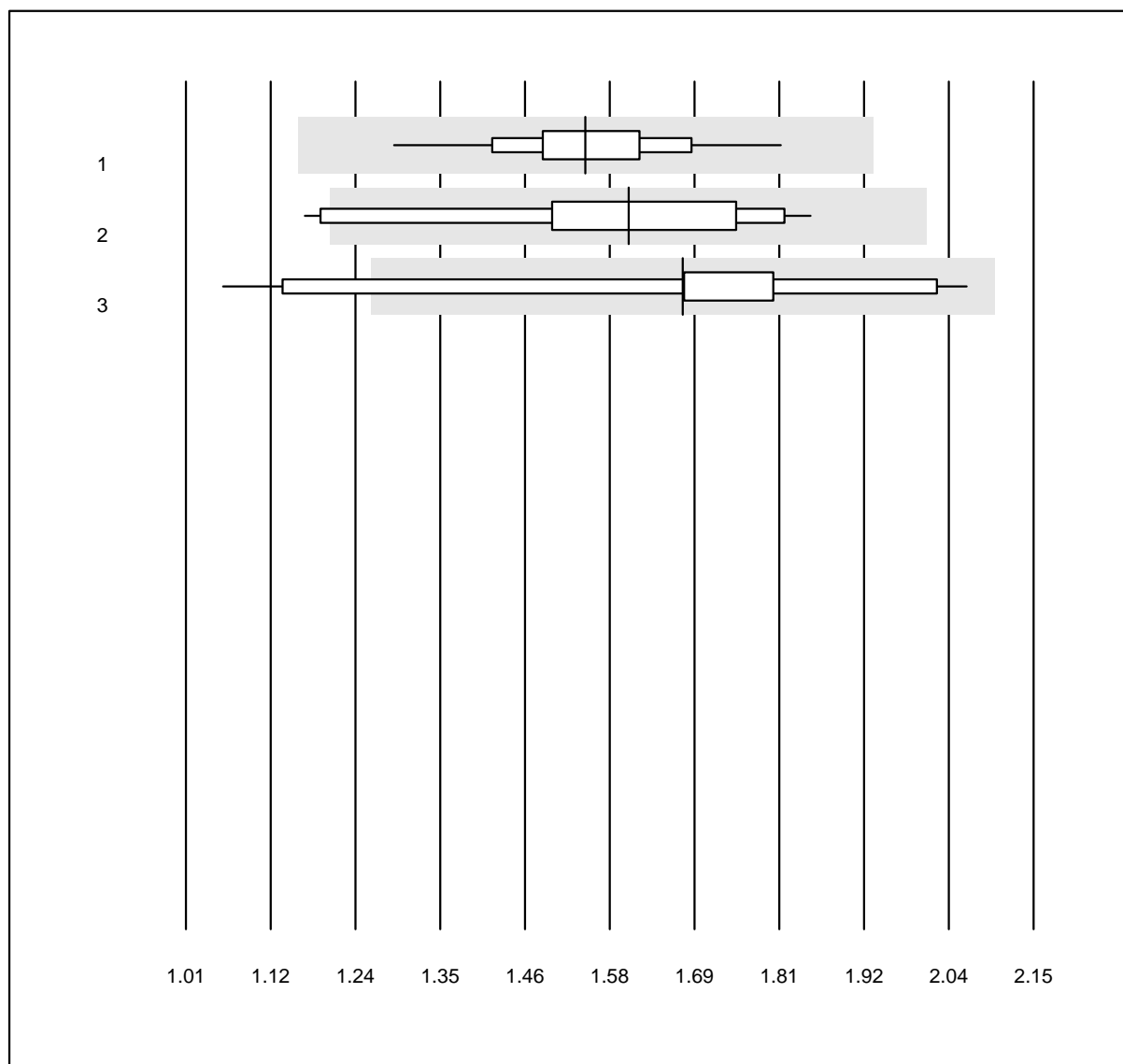


MQ Toleranz: 25%

Neutrophils (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	95.0	3.6	1.4	1.57	20.1	a
2 Beckman	17	88.2	11.8	0.0	1.60	25.9	a*
3 Yumizen/Pentra	12	66.7	8.3	25.0	0.90	28.0	a*

Lymphocytes

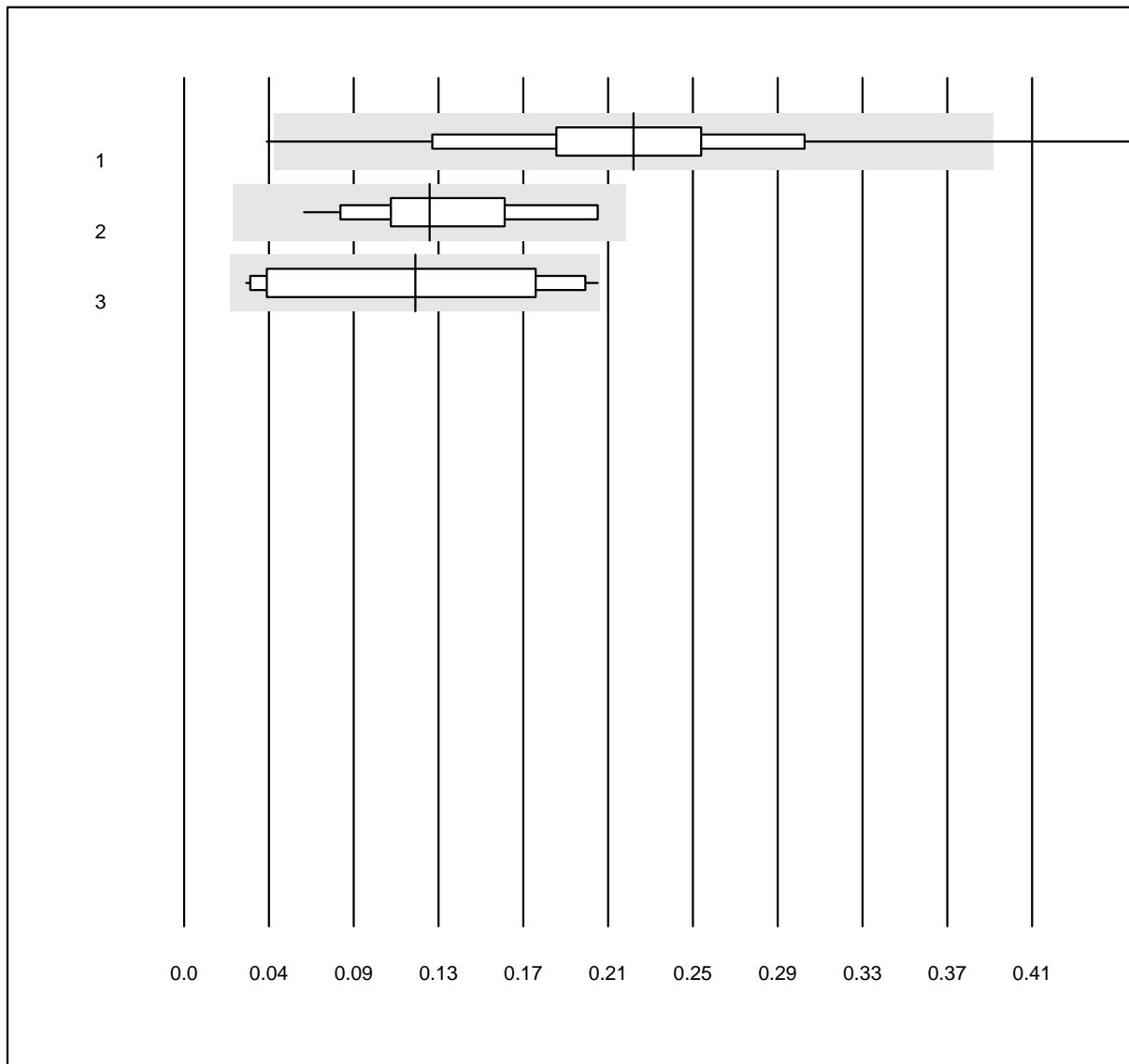


MQ Toleranz: 25%

Lymphocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	97.1	0.0	2.9	1.55	6.7	e
2 Beckman	17	82.4	11.8	5.9	1.61	12.6	e*
3 Yumizen/Pentra	12	83.3	8.3	8.3	1.68	15.0	e*

Monocytes

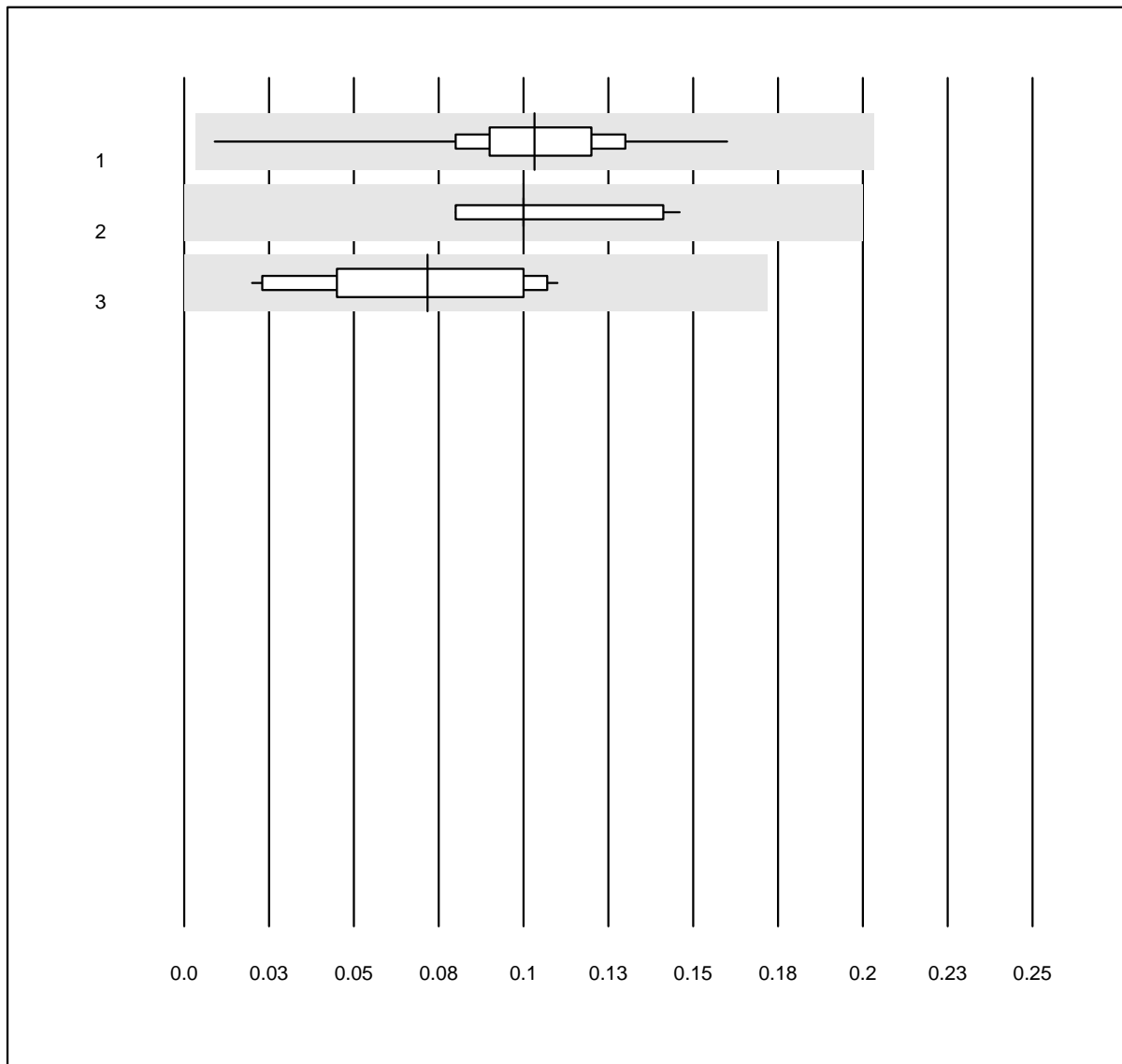


MQ Toleranz: 80%

Monocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	139	98.6	1.4	0.0	0.22	29.4	e
2 Beckman	17	100.0	0.0	0.0	0.12	36.3	e
3 Yumizen/Pentra	11	100.0	0.0	0.0	0.11	56.1	e*

Eosinophils

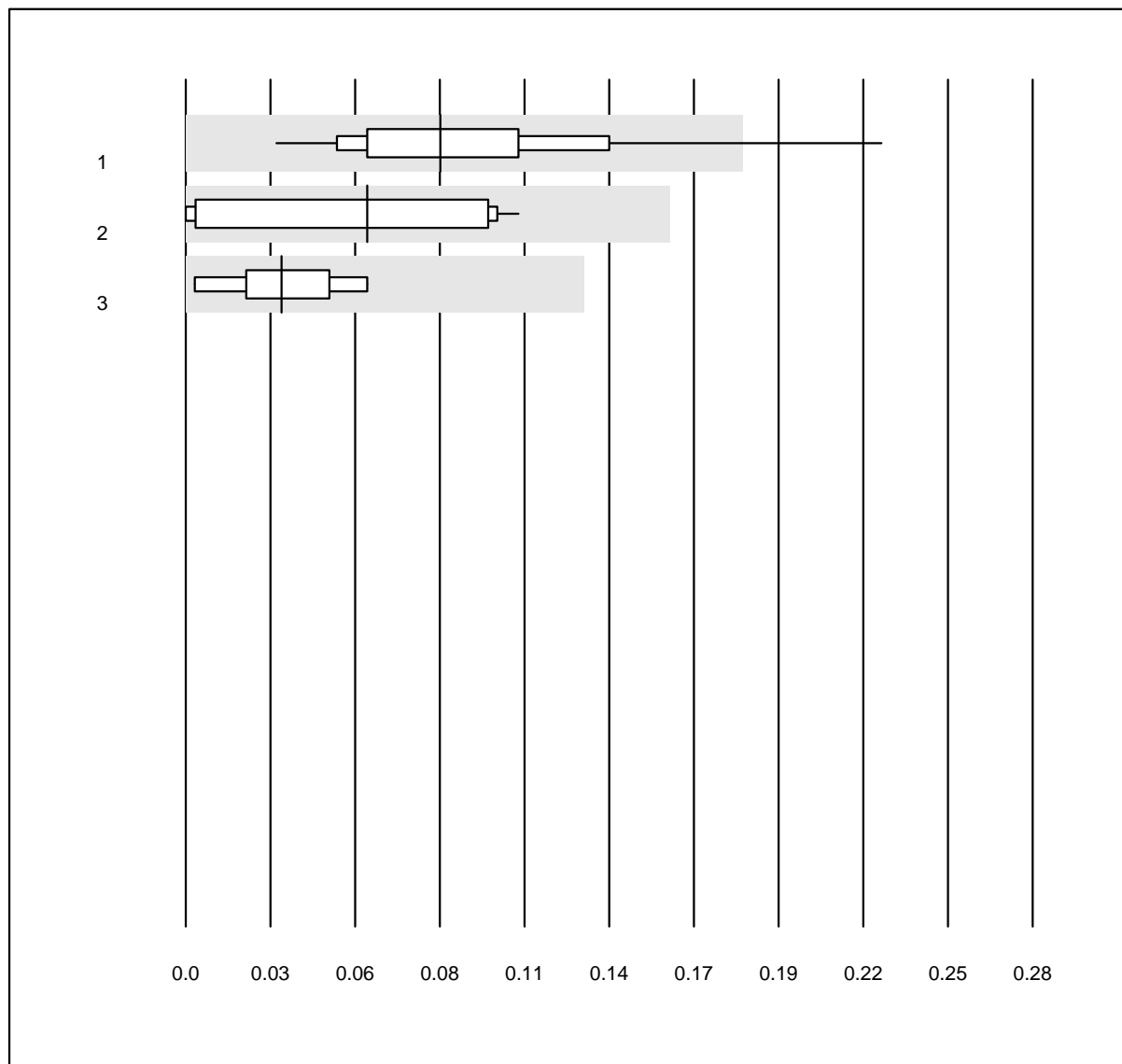


MQ Toleranz: 80%
(< 0.13: +/- 0.1 G/l)

Eosinophils (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	136	99.3	0.0	0.7	0.10	22.4	e
2 Beckman	17	100.0	0.0	0.0	0.10	16.5	e
3 Yumizen/Pentra	12	100.0	0.0	0.0	0.07	42.0	e

Basophiles

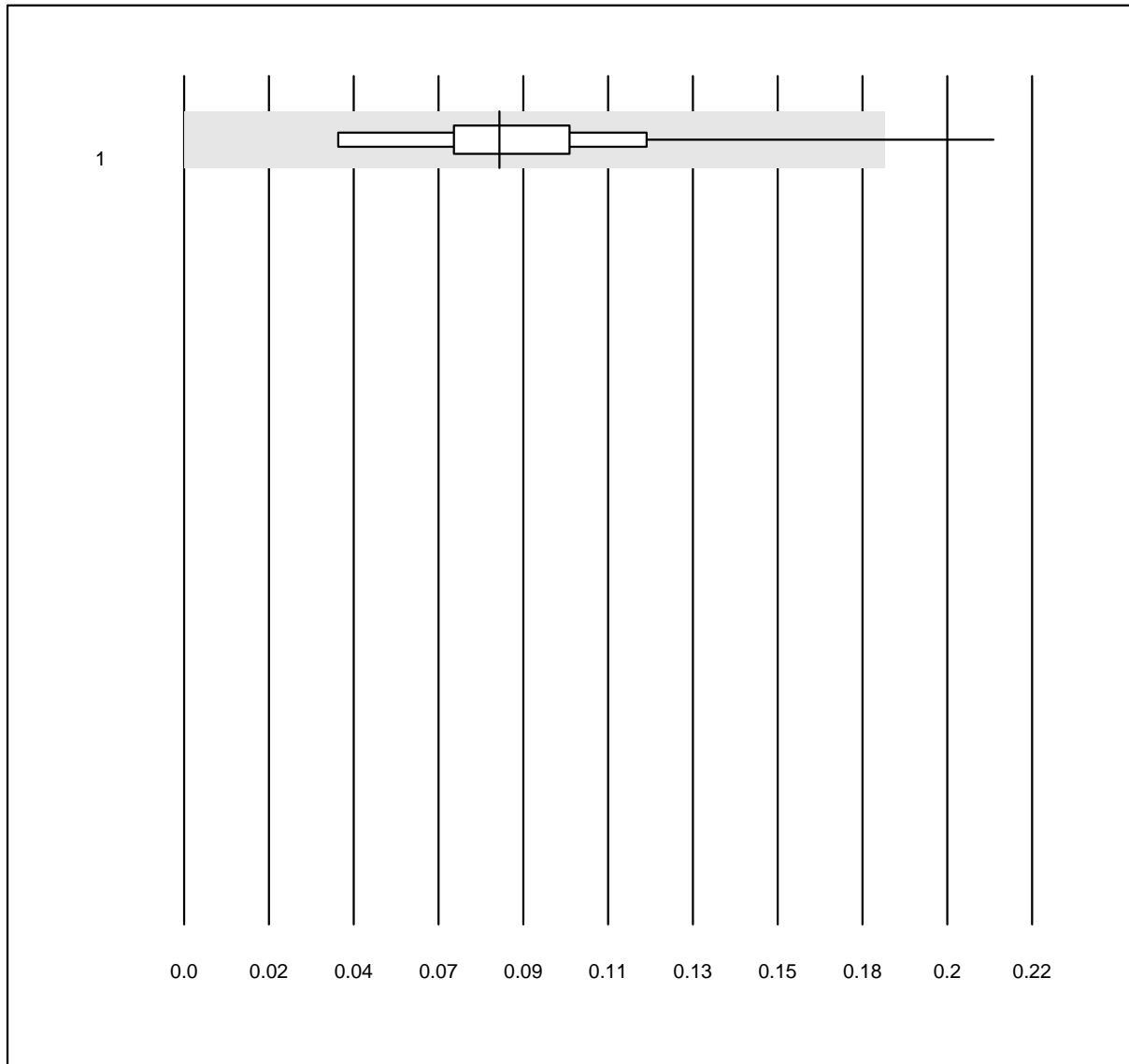


MQ Toleranz: 80%
(< 0.13: +/- 0.1 G/l)

Basophiles (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	136	97.8	1.5	0.7	0.08	44.0	e
2 Beckman	17	94.1	0.0	5.9	0.06	117.8	a*
3 Yumizen/Pentra	12	100.0	0.0	0.0	0.03	60.0	e

Immature Granulocytes

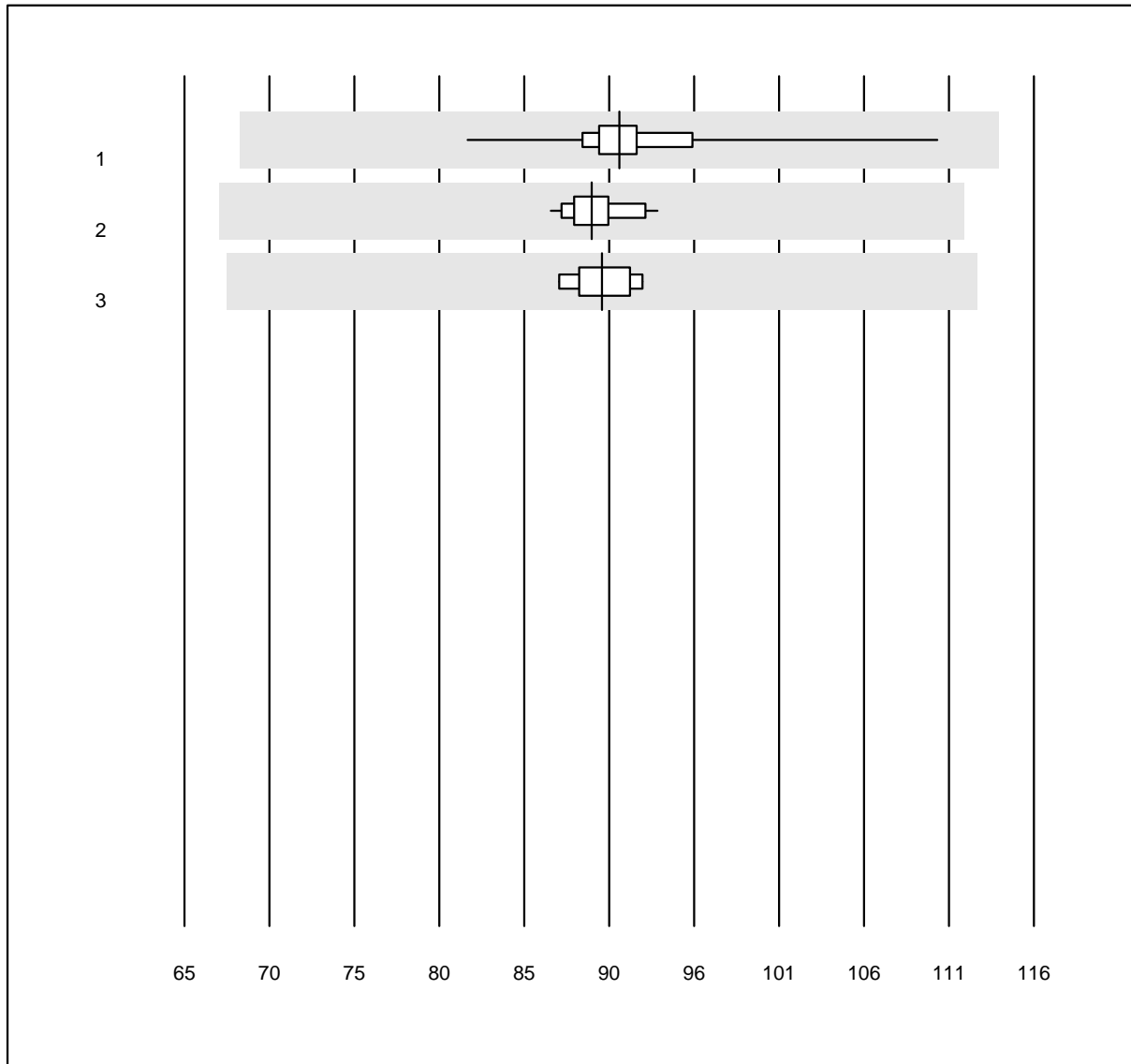


MQ Toleranz: 25%
(< 1.3: +/- 0.1 G/l)

Immature Granulocytes
(G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	125	97.6	0.8	1.6	0.08	40.2	e

MCV

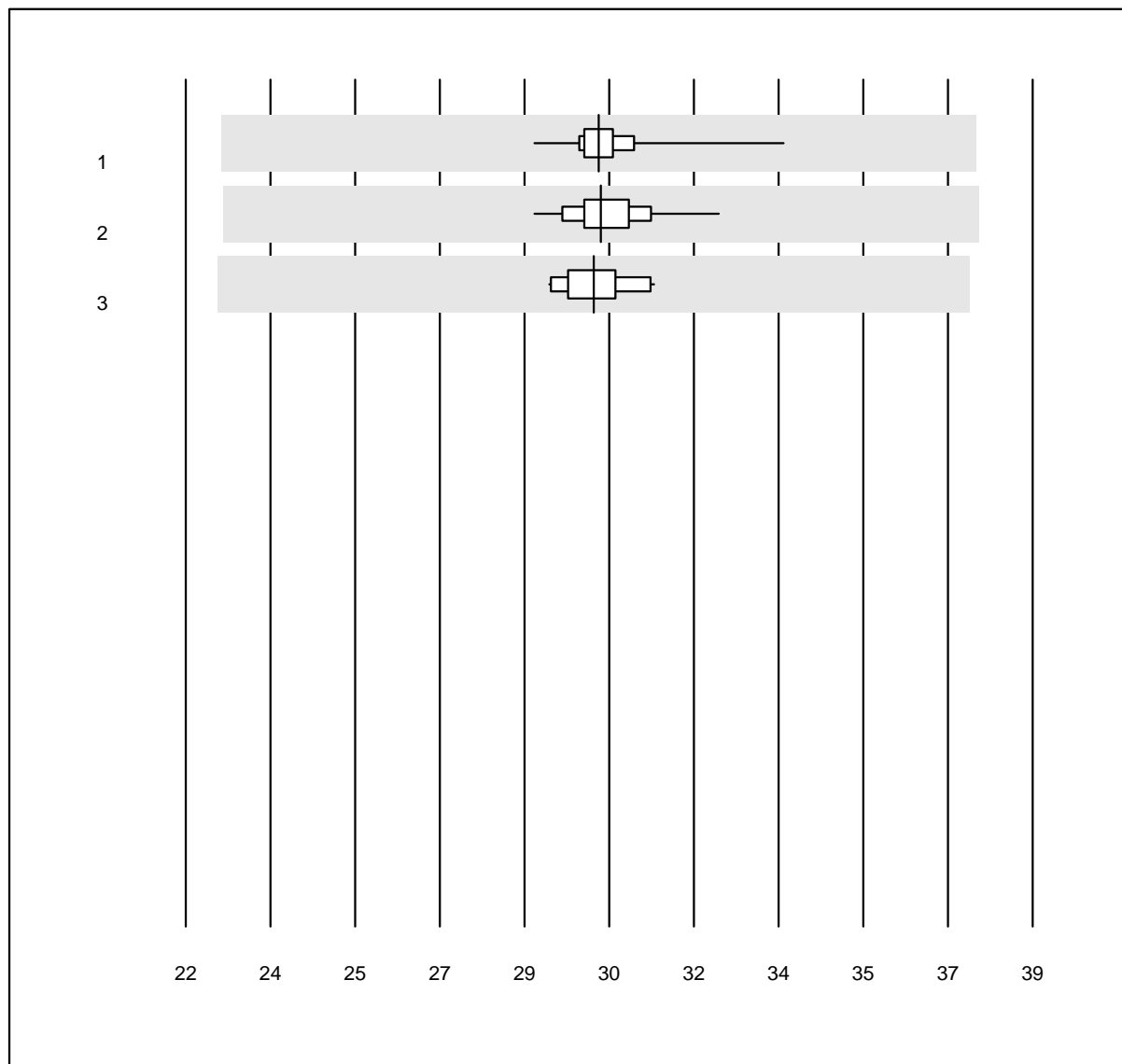


MQ Toleranz: 25%

MCV (fl)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	129	100.0	0.0	0.0	91.1	4.2	e
2 Beckman	17	100.0	0.0	0.0	89.5	1.8	e
3 Yumizen/Pentra	9	100.0	0.0	0.0	90.1	2.0	e

MCH

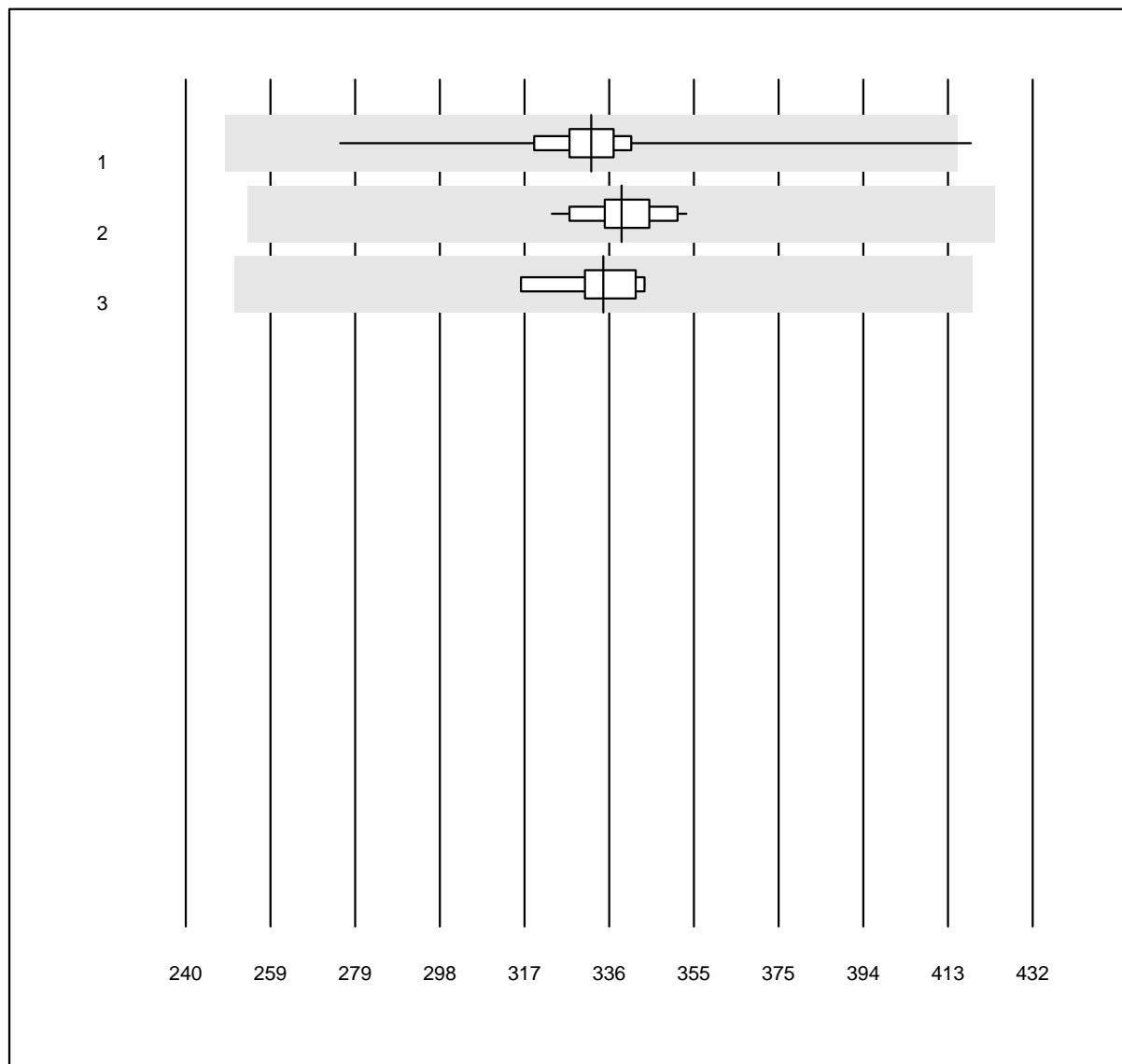


MQ Toleranz: 25%

MCH (pg)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	128	100.0	0.0	0.0	30.3	1.7	e
2 Beckman	17	100.0	0.0	0.0	30.3	2.6	e
3 Yumizen/Pentra	10	100.0	0.0	0.0	30.2	2.1	e

MCHC

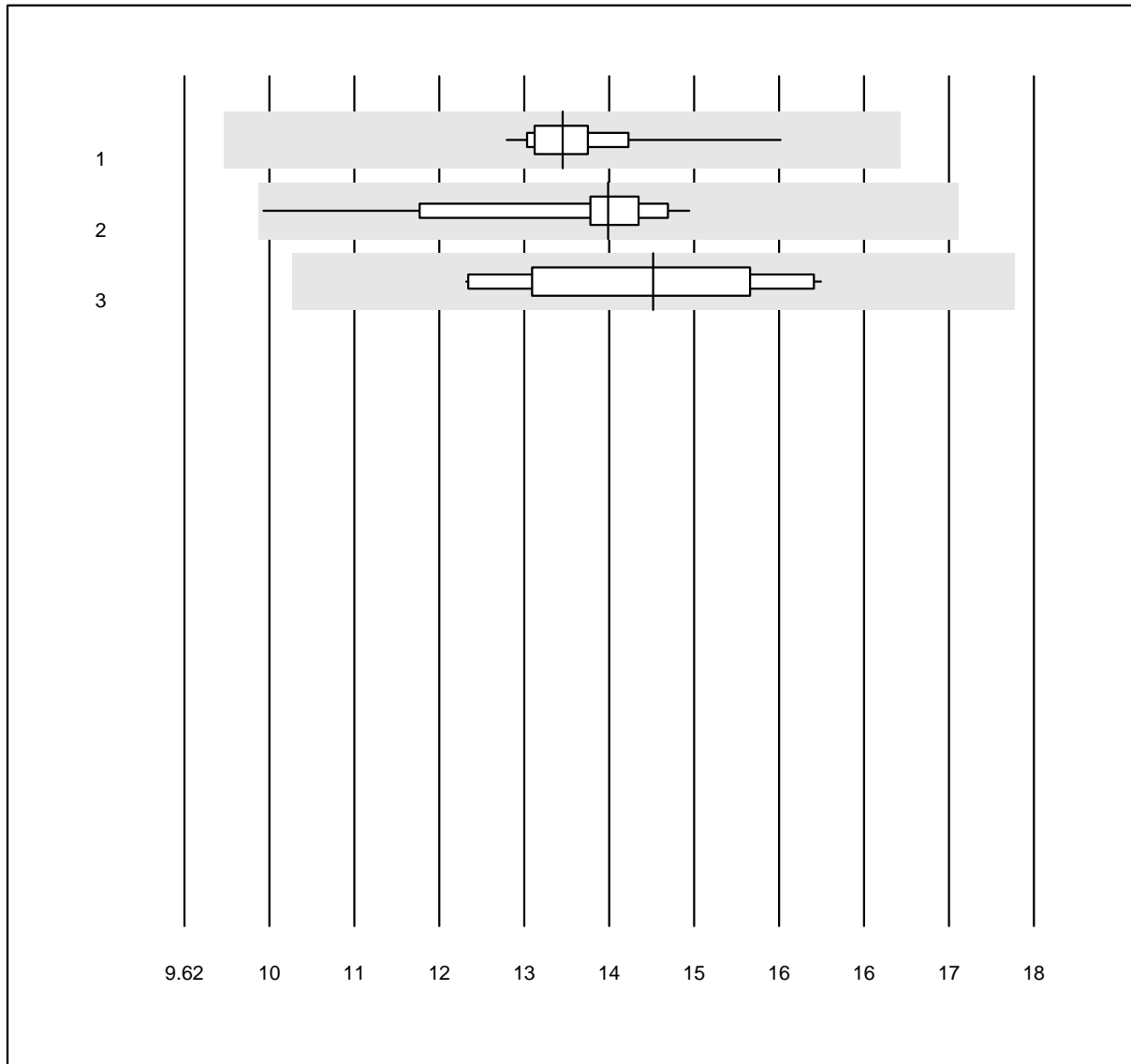


MQ Toleranz: 25%

MCHC (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	130	99.2	0.8	0.0	332	4.2	e
2 Beckman	17	100.0	0.0	0.0	339	2.3	e
3 Yumizen/Pentra	9	100.0	0.0	0.0	335	2.6	e

RDW

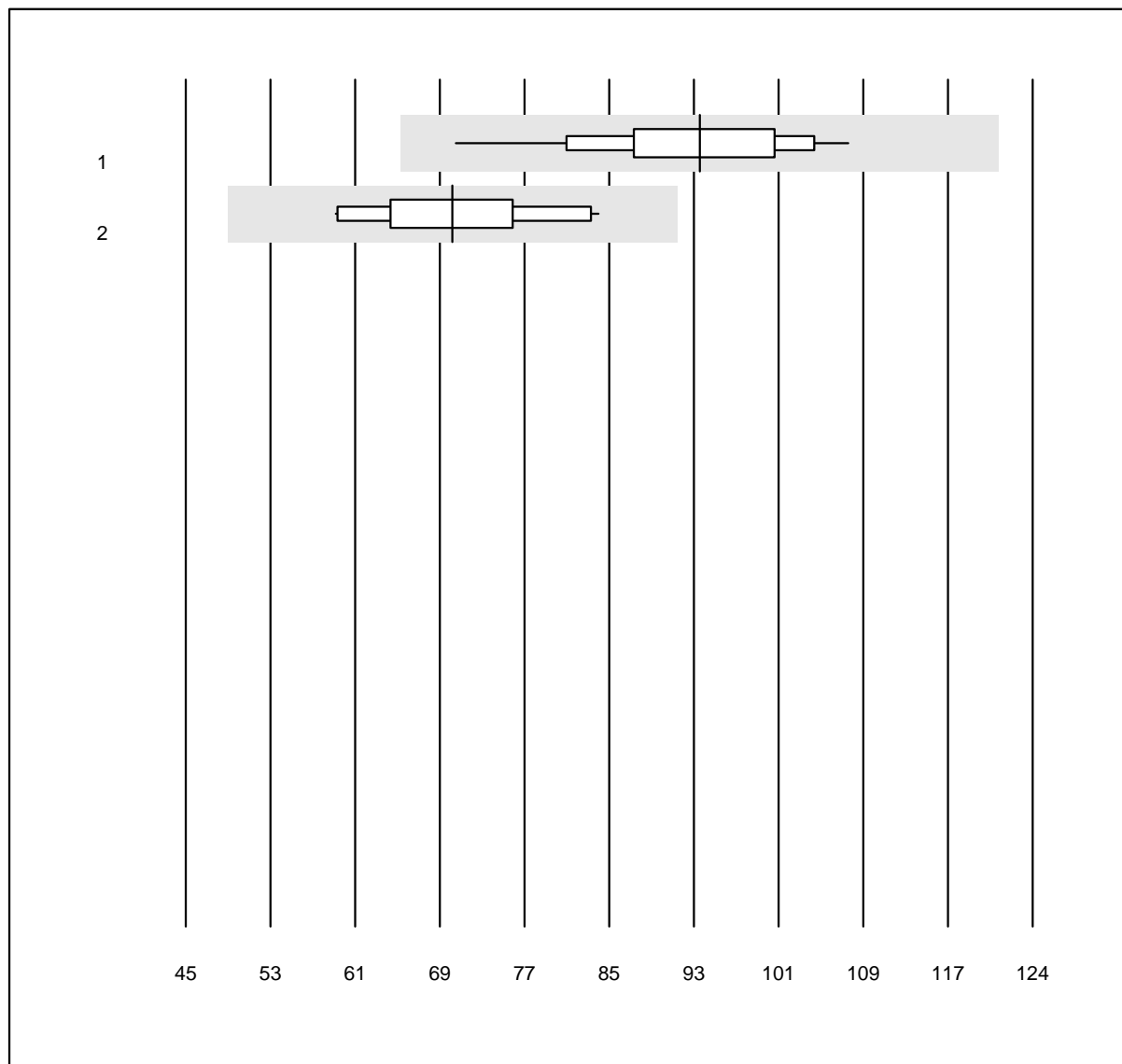


MQ Toleranz: 25%

RDW (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	124	98.4	0.0	1.6	13.4	3.7	e
2 Beckman	17	94.1	0.0	5.9	13.8	7.1	a
3 Yumizen/Pentra	10	100.0	0.0	0.0	14.2	8.2	e

Reticulocytes

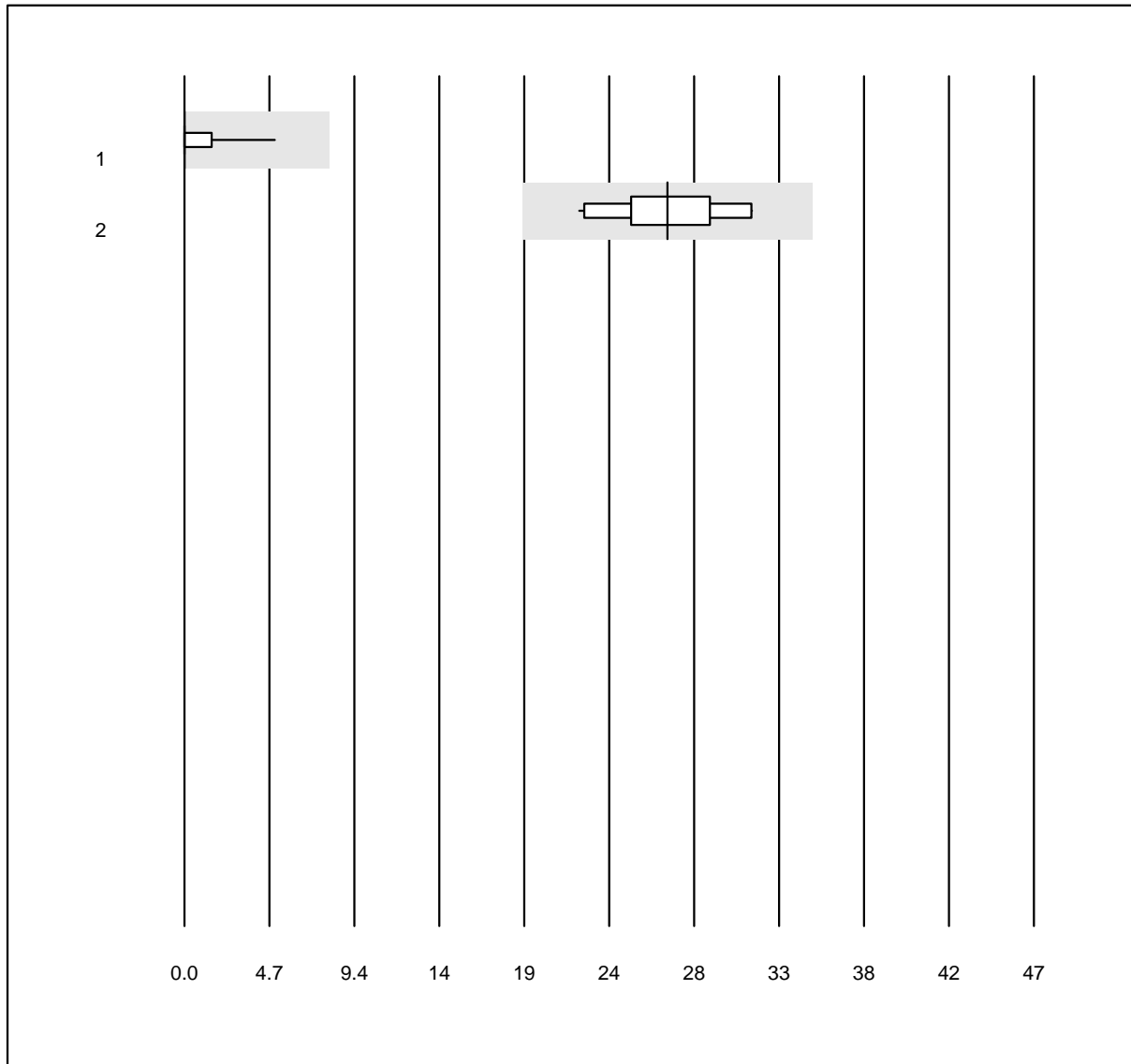


QUALAB Toleranz: 30%

Reticulocytes (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	73	98.6	0.0	1.4	93.0	9.7	e
2 Beckman	11	100.0	0.0	0.0	69.9	11.3	e

Hemolysis index A



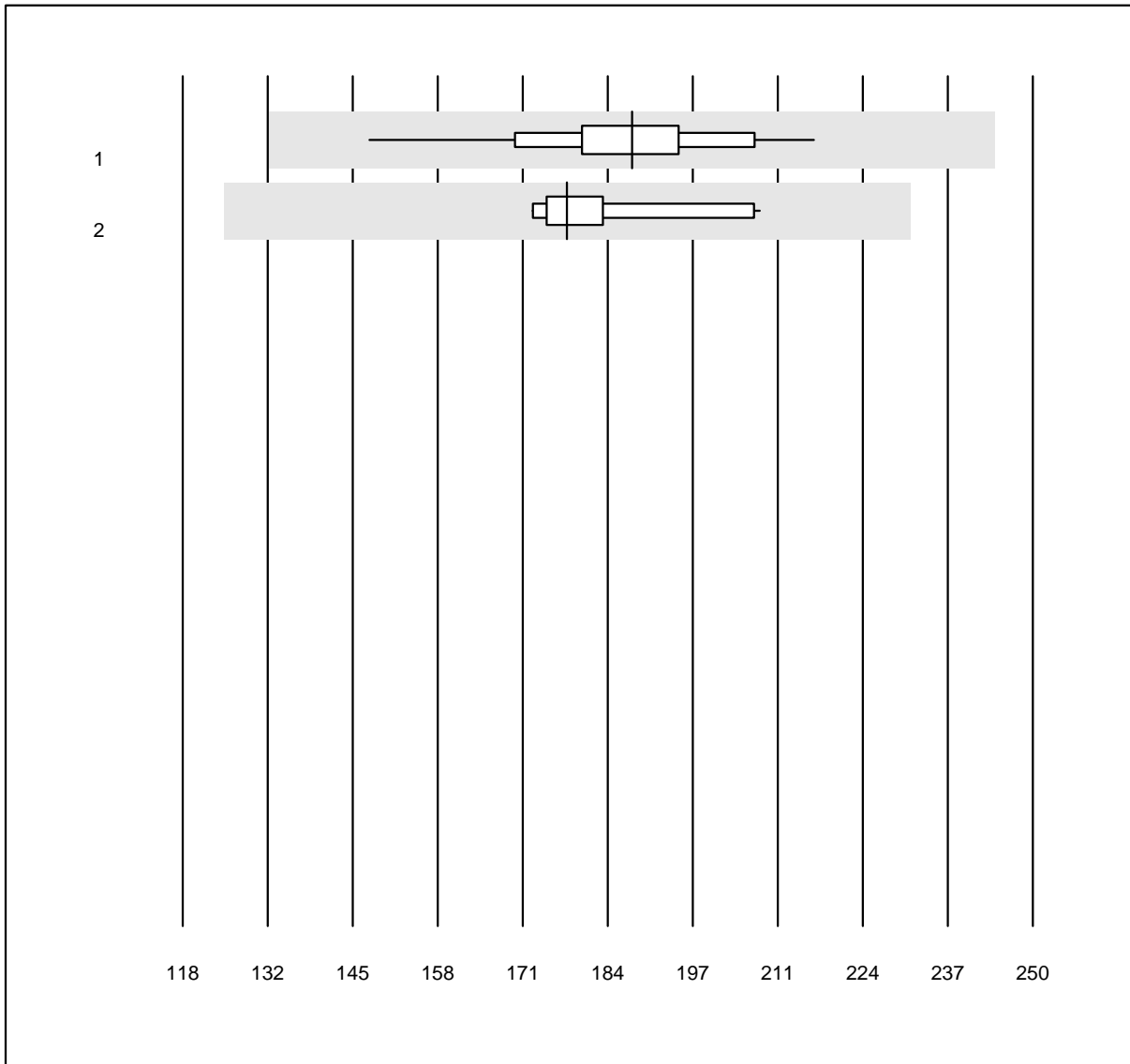
MQ Toleranz: 30%
(< 20.0: +/- 8.0)

Hemolysis index A ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	27	96.3	0.0	3.7	0.01	352.5	a
2 Atellica	10	100.0	0.0	0.0	26.72	11.3	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemolysis index B



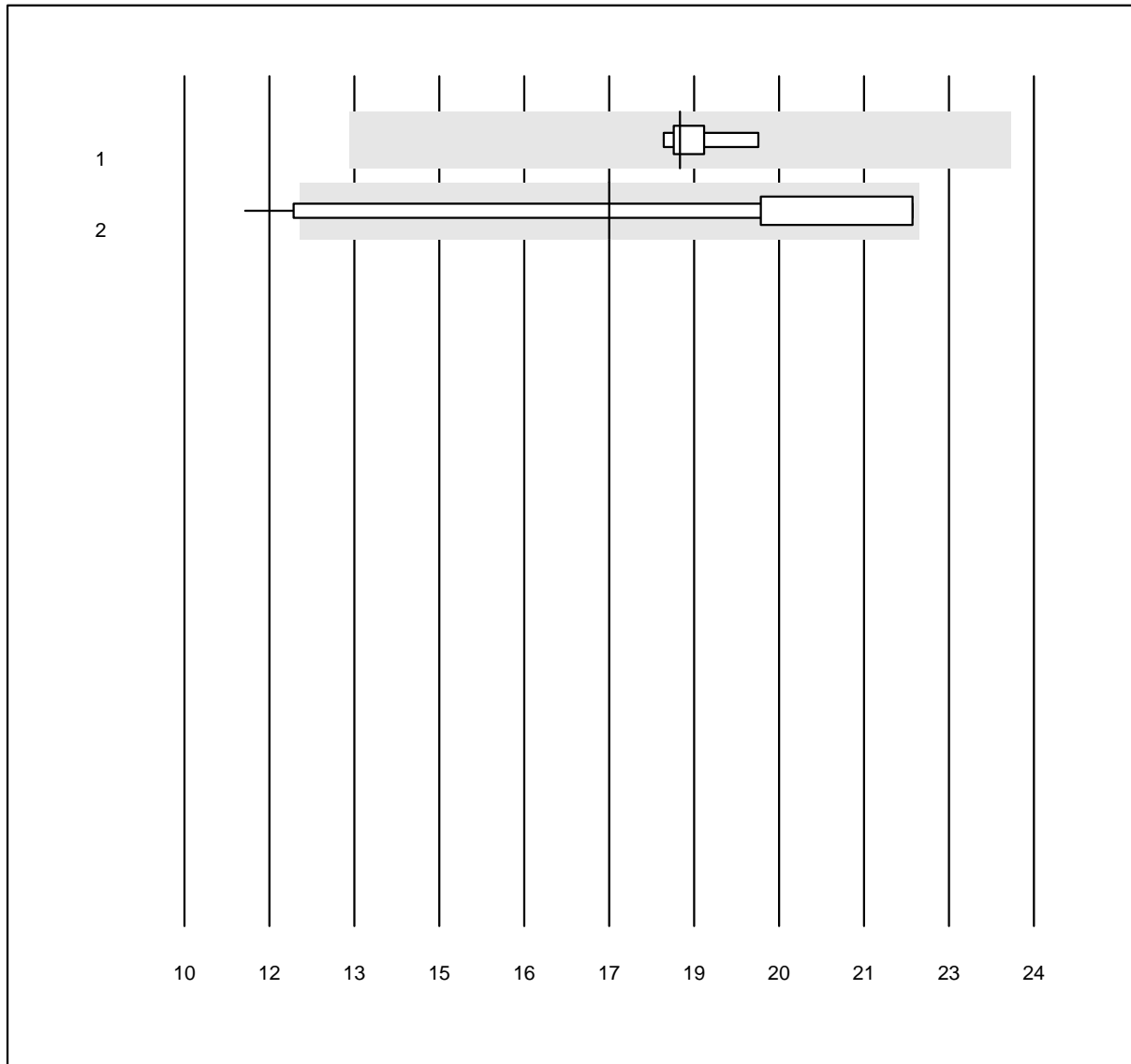
MQ Toleranz: 30%

Hemolysis index B ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	27	100.0	0.0	0.0	187.78	7.5	e
2 Atellica	10	100.0	0.0	0.0	177.66	6.5	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Icteria Index A



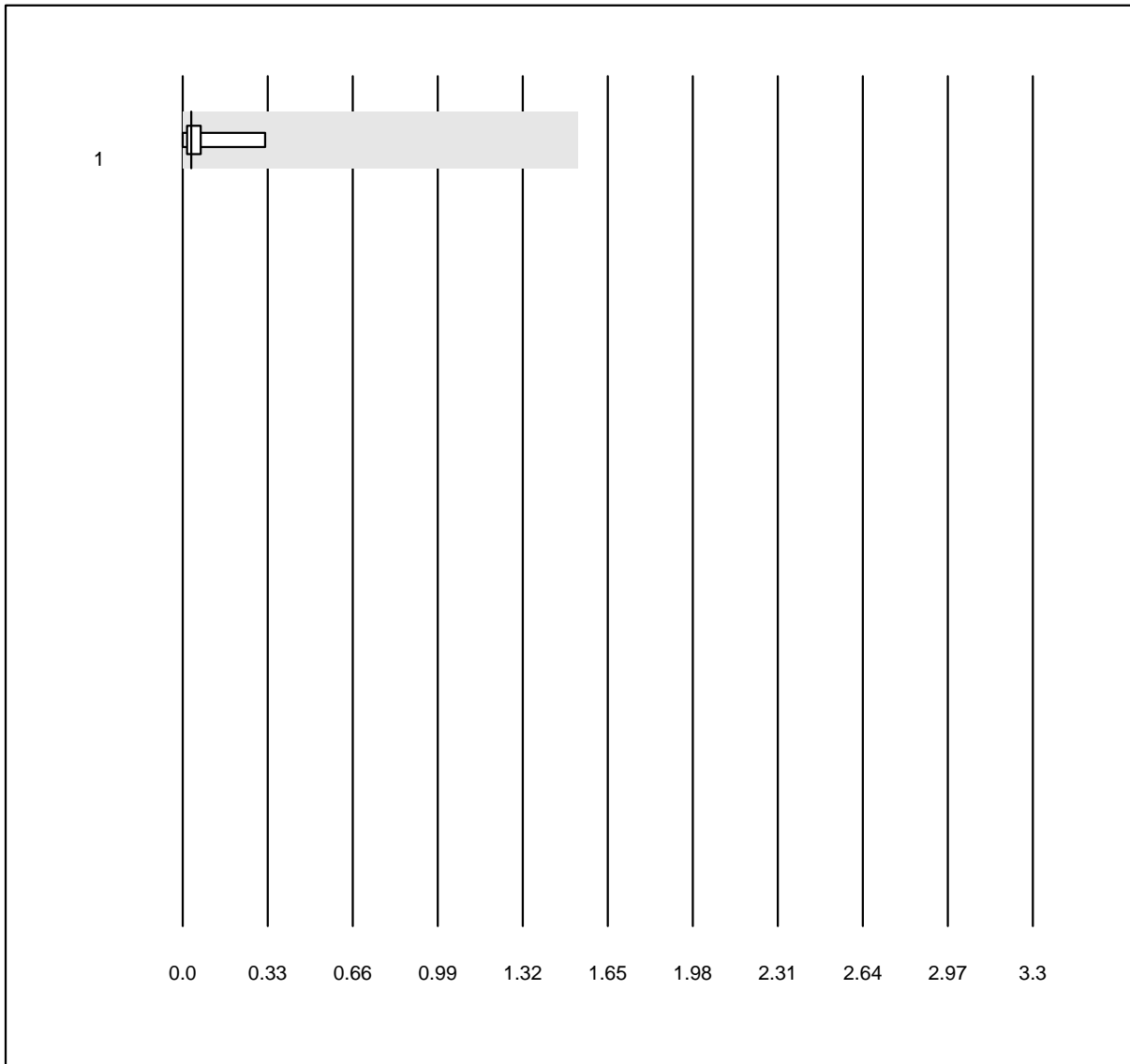
MQ Toleranz: 30%

Icteria Index A ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	100.0	0.0	0.0	18.17	2.6	e
2 Cobas	13	92.3	7.7	0.0	17.00	17.8	a*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Icteria Index B



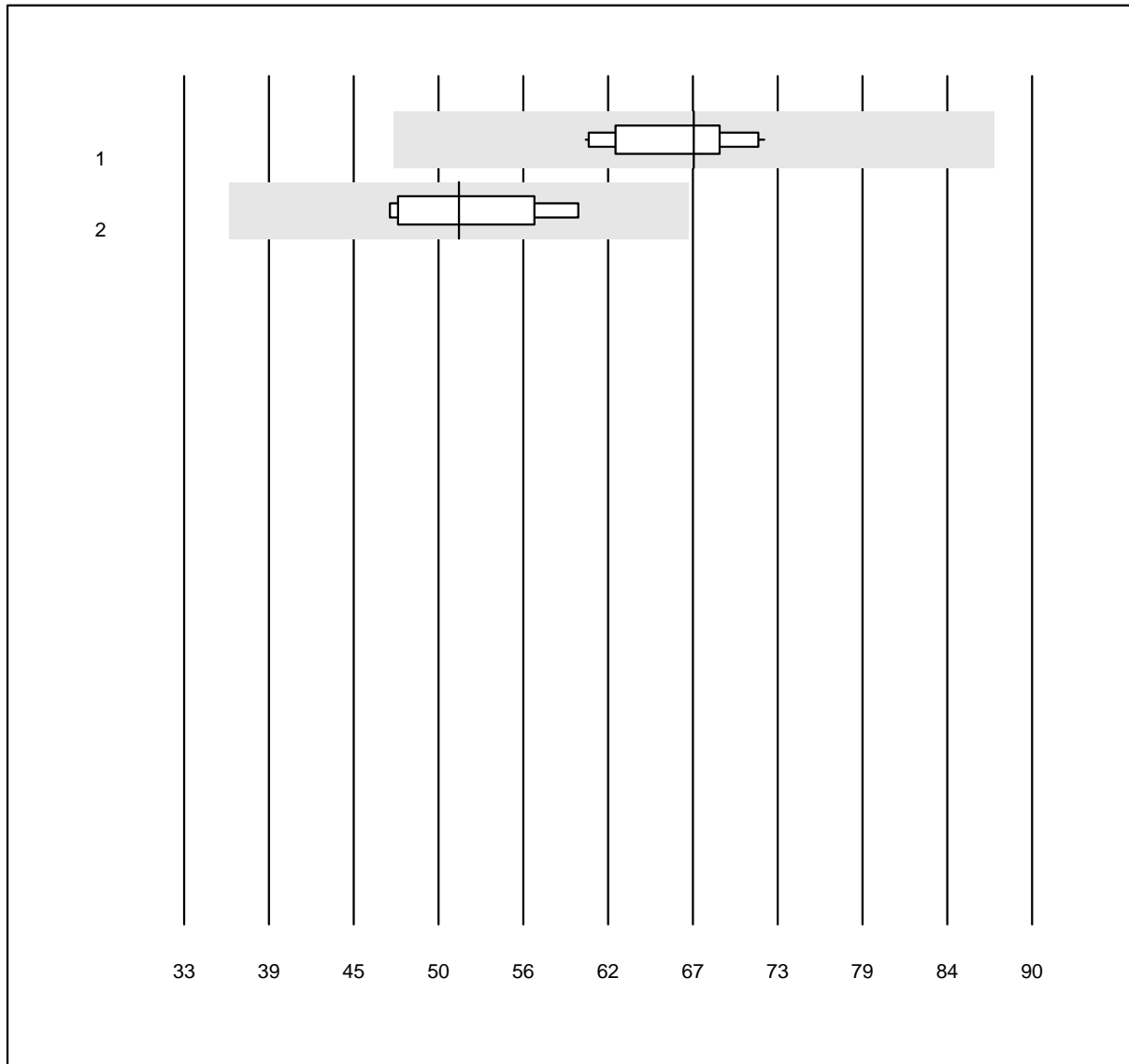
MQ Toleranz: 30%
(< 5.0: +/- 1.5)

Icteria Index B ()

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Atellica	9	100.0	0.0	0.0	0.03	150.7	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Lipemia index A



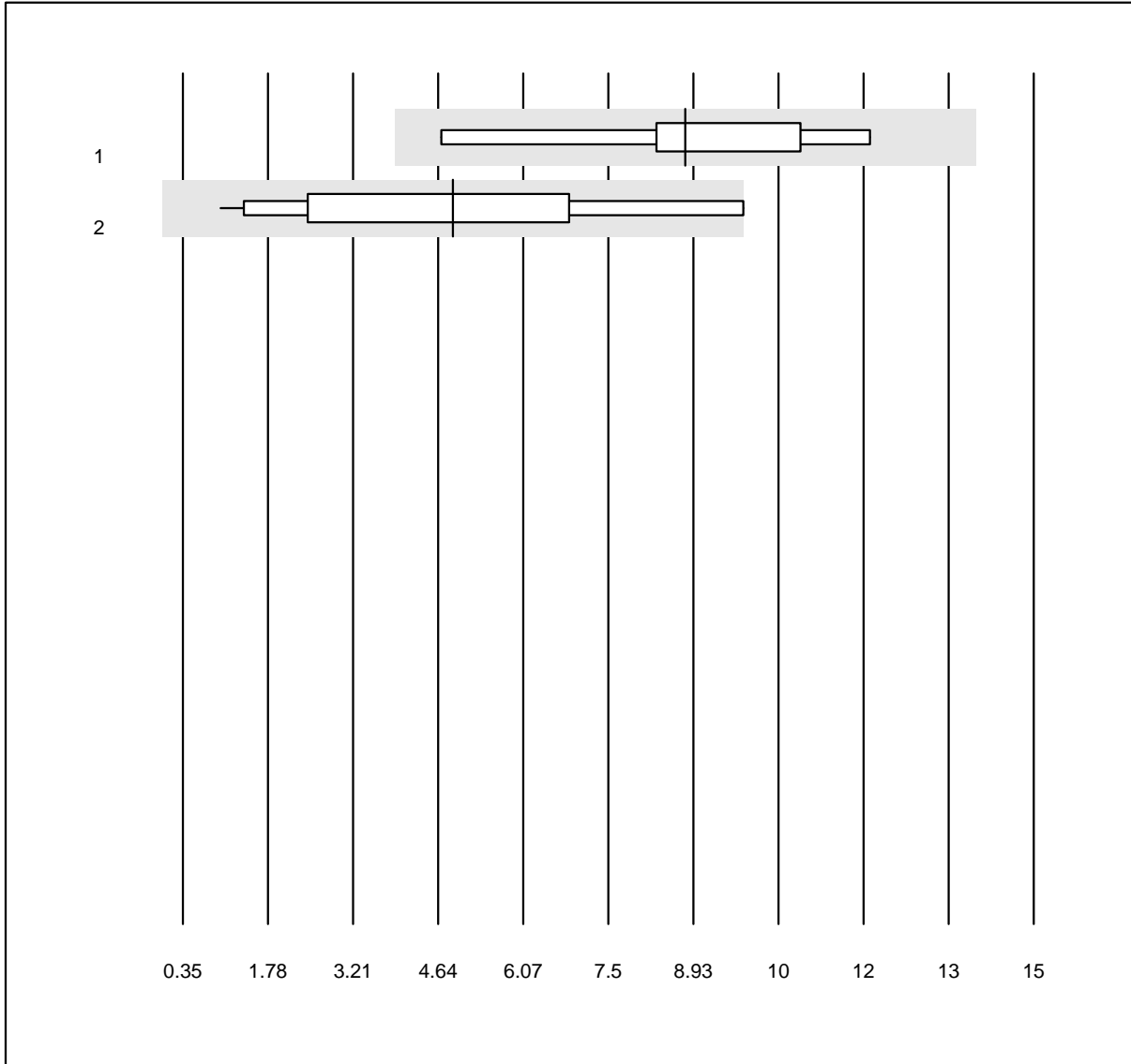
MQ Toleranz: 30%

Lipemia index A ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas	13	84.6	0.0	15.4	67.26	5.8	e
2 Atellica	9	100.0	0.0	0.0	51.47	8.9	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Lipemia index B



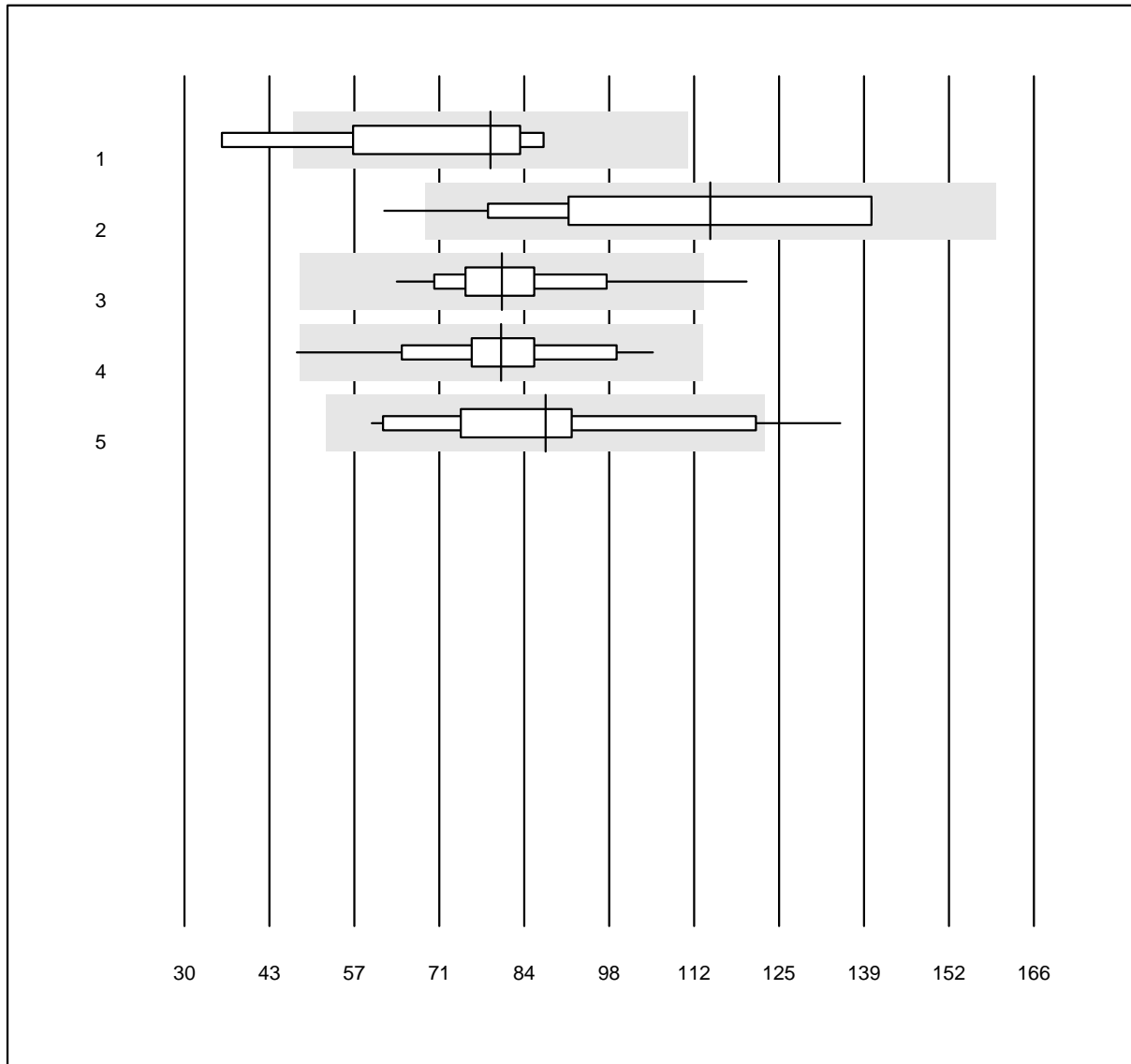
MQ Toleranz: 30%
(< 10.0: +/- 5.0)

Lipemia index B ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Atellica	9	100.0	0.0	0.0	9.00	22.7	a*
2 Cobas	13	100.0	0.0	0.0	5.00	61.8	a*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Erythrocyte sedimentation rate 1h

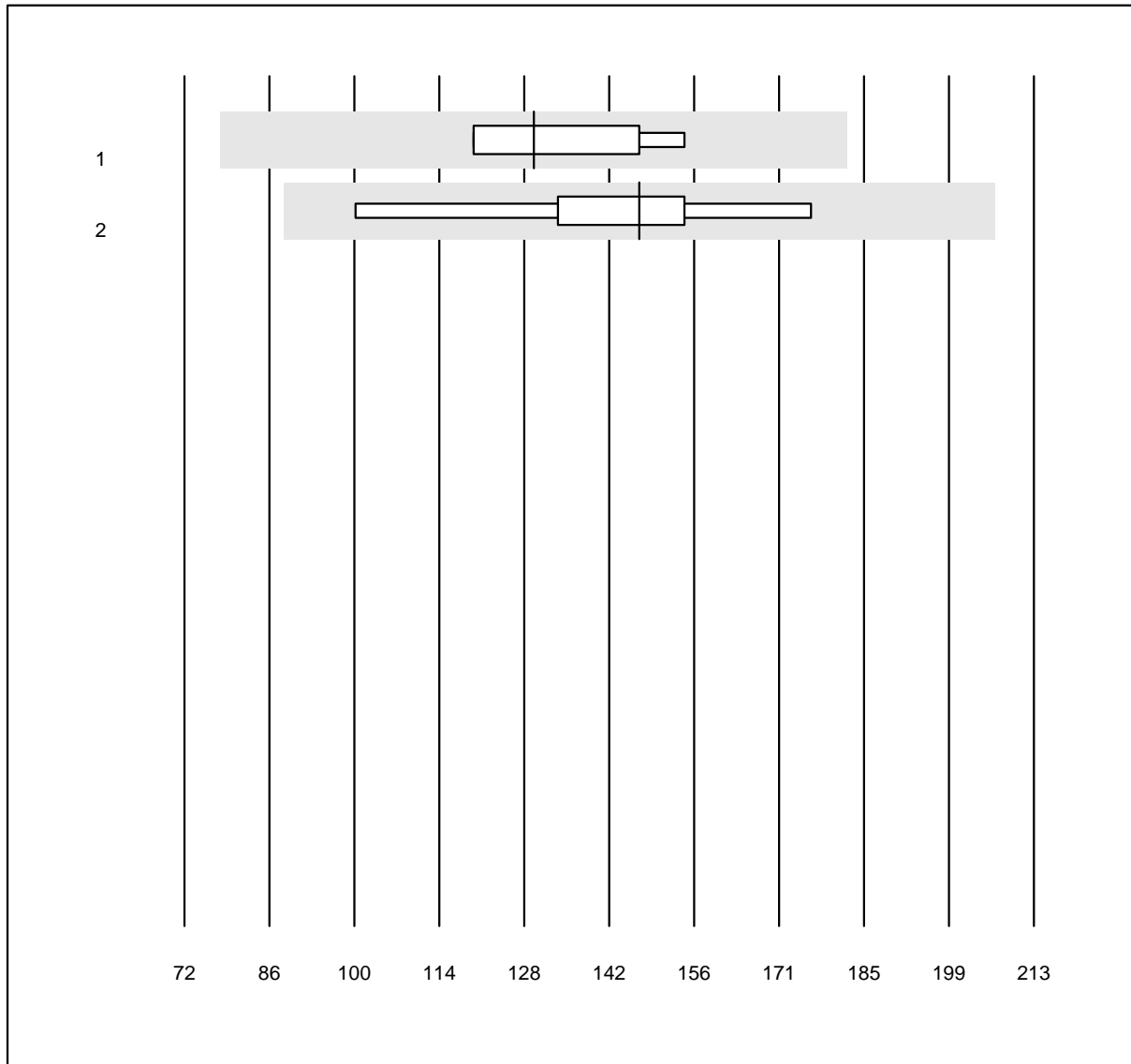


MQ Toleranz: 40%

Erythrocyte sedimentation rate 1h (mm/h)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sarstedt Microvette	4	100.0	0.0	0.0	79	21.5	e*
2 MINI-CUBE	41	97.6	2.4	0.0	114	21.1	e
3 BD Seditainer	45	95.6	4.4	0.0	81	13.6	e
4 Sarstedt Sedivette	31	96.8	3.2	0.0	81	15.1	e
5 Other methods	19	89.5	5.3	5.3	88	23.5	e*

Erythrocyte sedimentation rate 2h



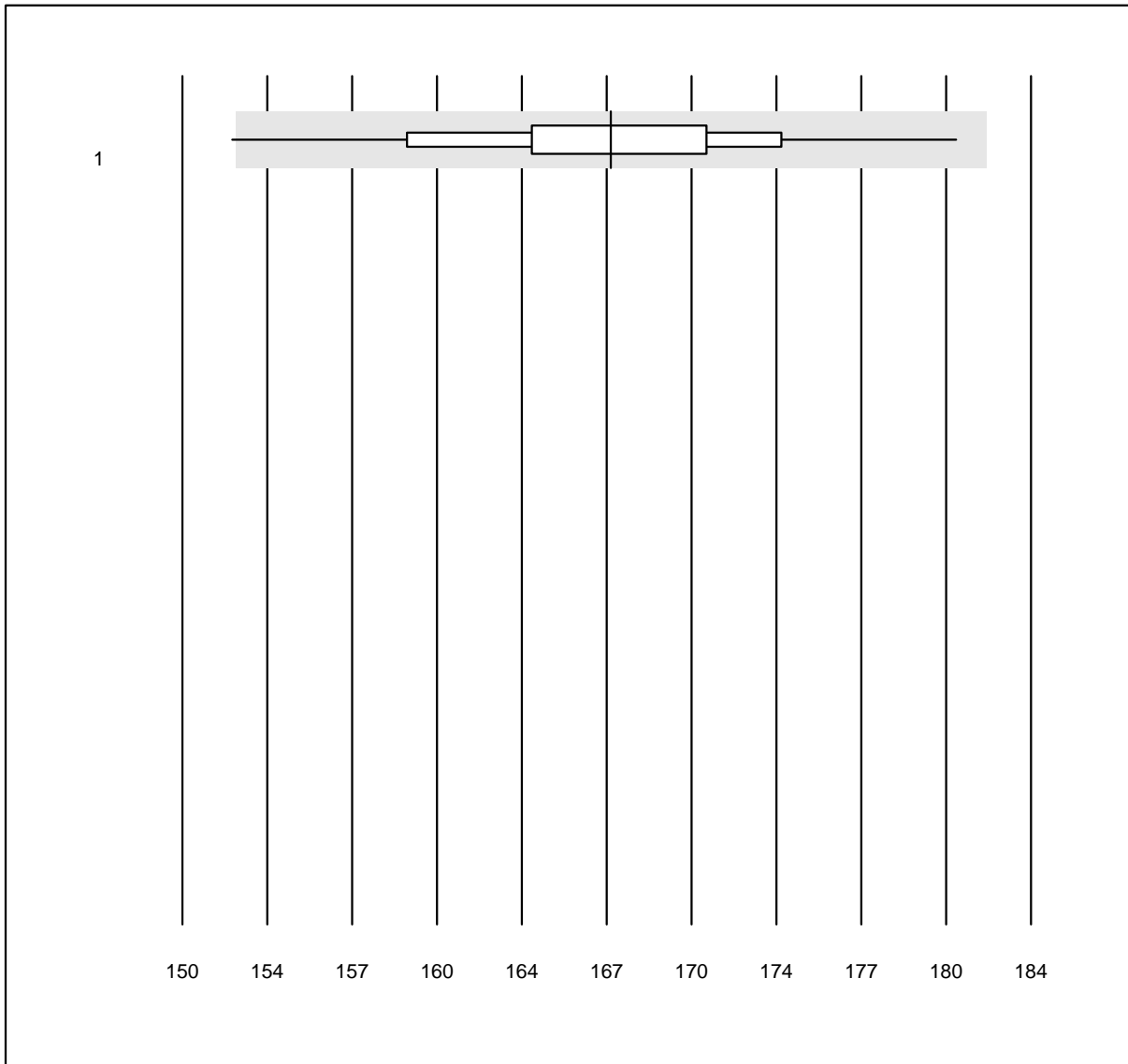
MQ Toleranz: 40%

Erythrocyte sedimentation rate 2h (mm/2h)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 BD Seditainer	4	100.0	0.0	0.0	130	11.3	e*
2 Sarstedt Sedivette	6	100.0	0.0	0.0	148	13.5	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin HS

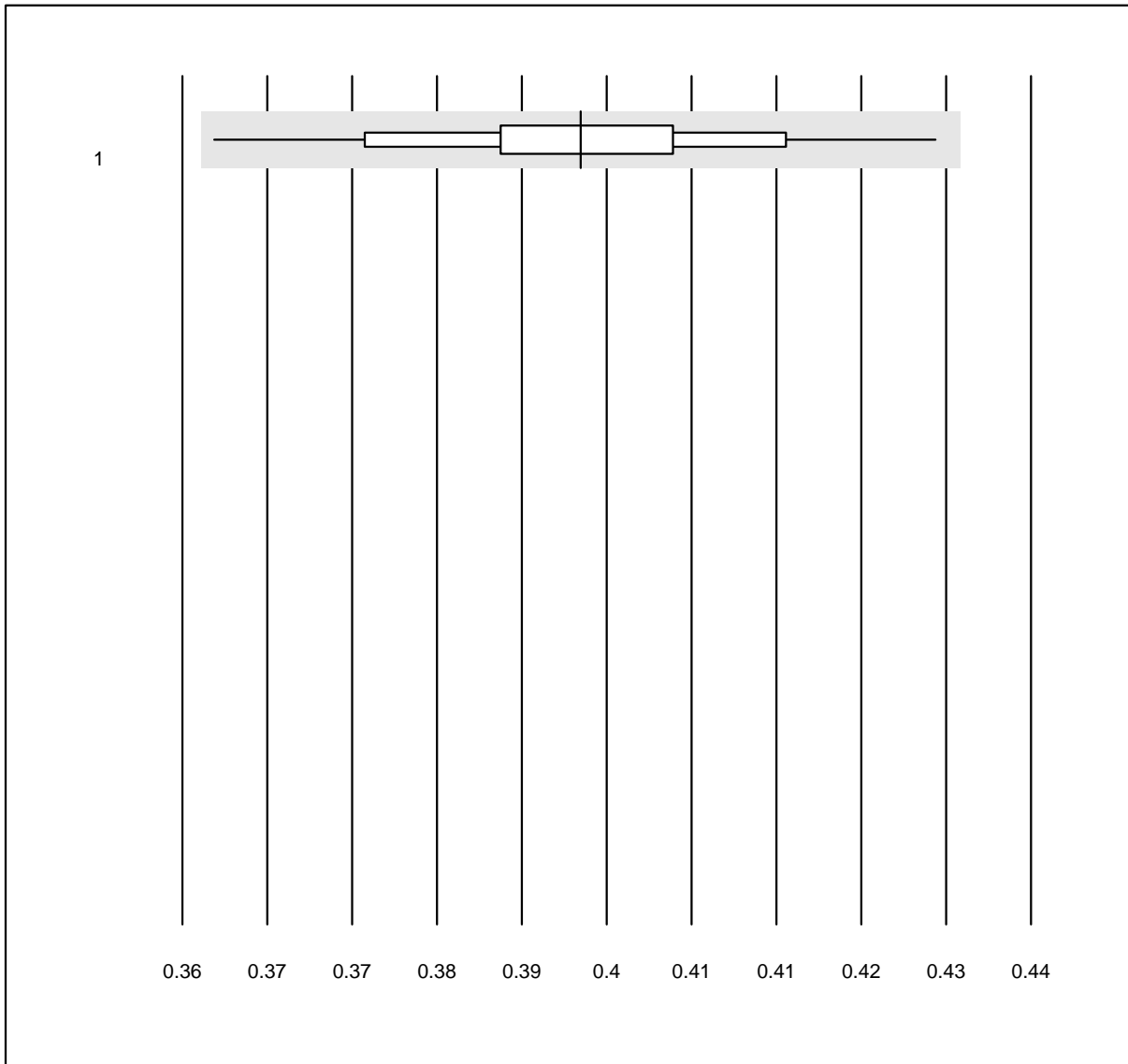


QUALAB Toleranz: 9%

Hemoglobin HS (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 PixCell HemoScreen	42	90.5	2.4	7.1	167.2	3.5	e

Hematocrit HS

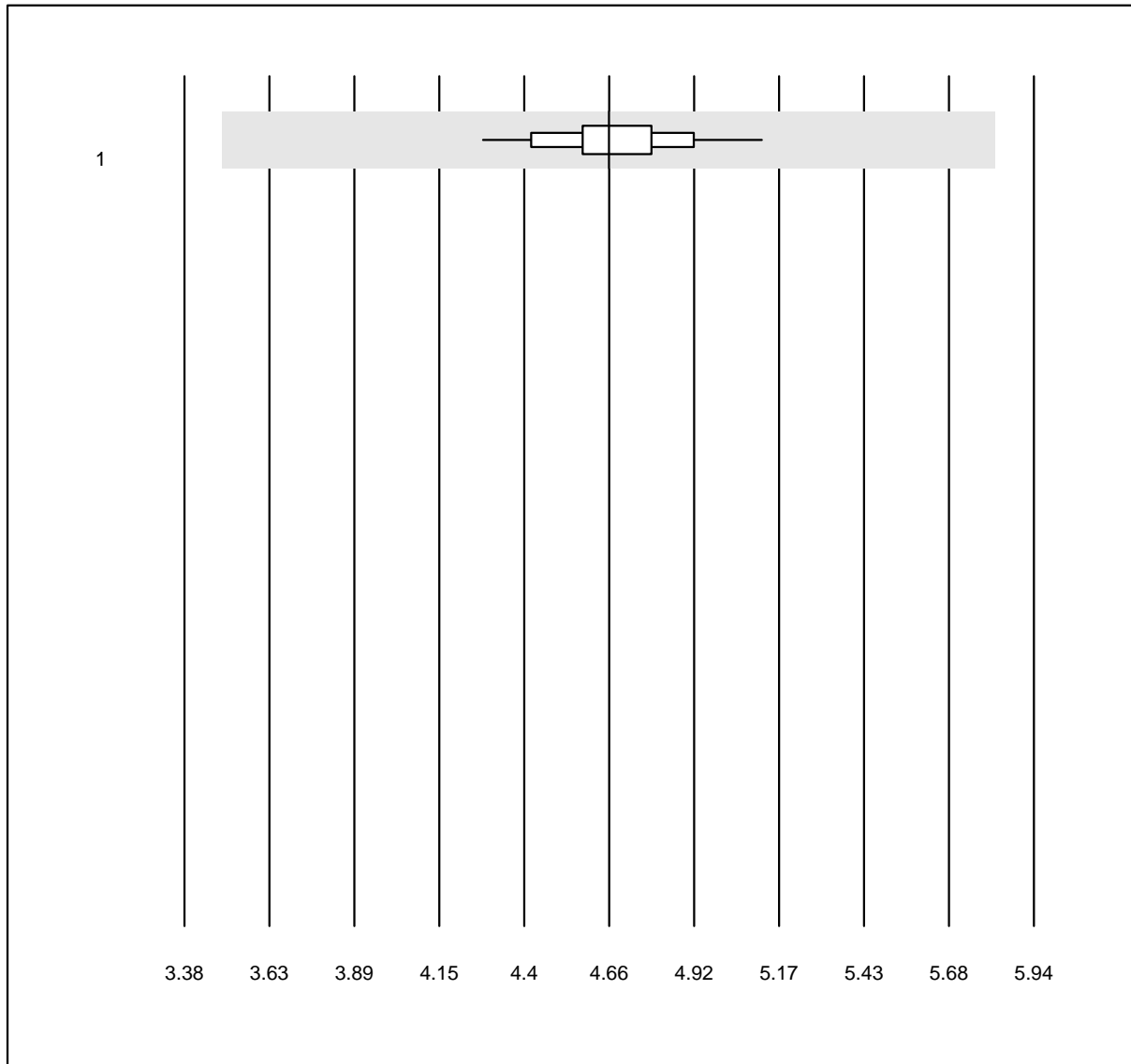


QUALAB Toleranz: 9%

Hematocrit HS (l/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 PixCell HemoScreen	42	95.2	0.0	4.8	0.4	3.7	e

Erythrocytes HS

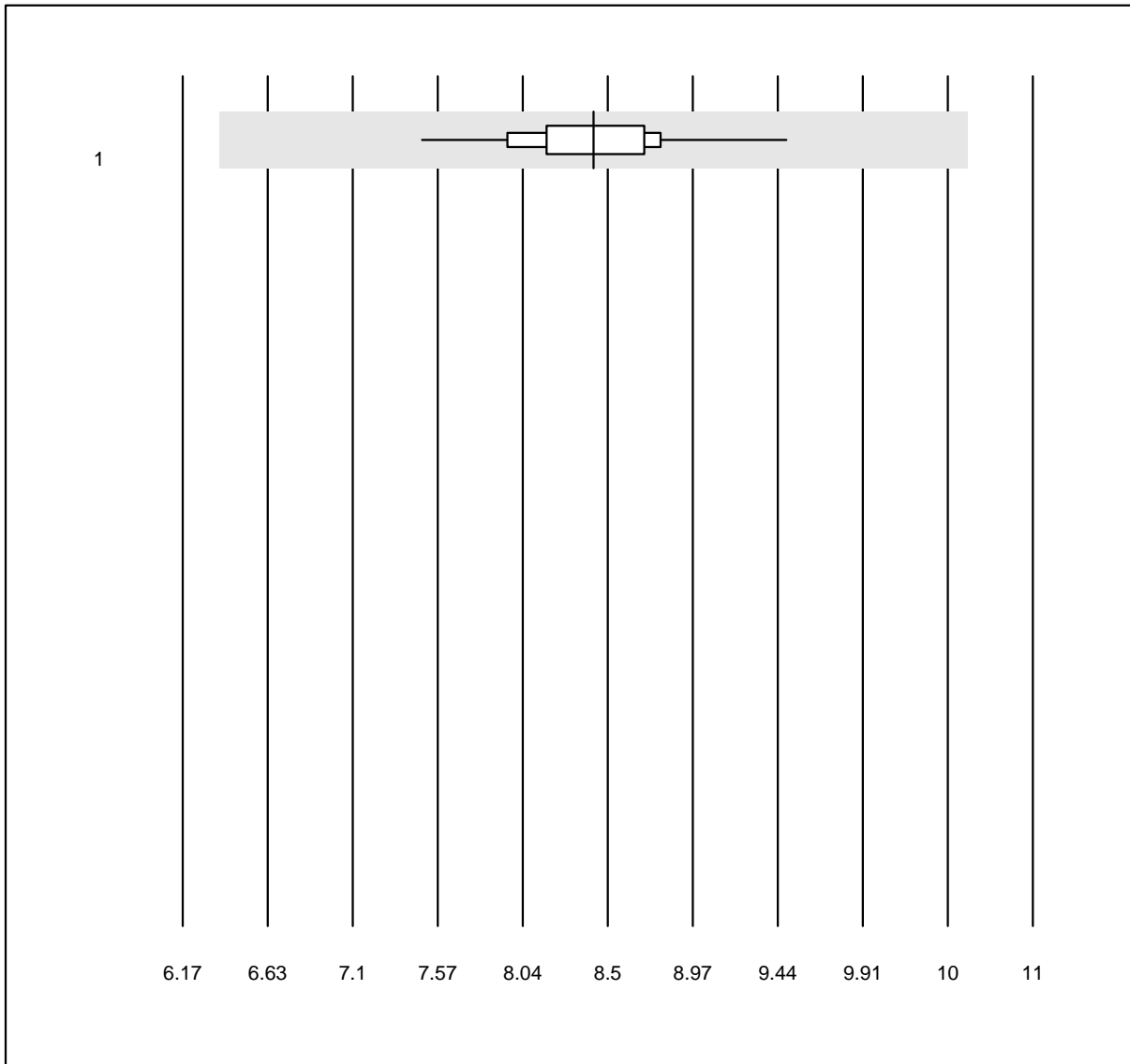


QUALAB Toleranz: 25%

Erythrocytes HS (T/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 PixCell HemoScreen	42	95.2	0.0	4.8	4.66	3.7	e

Leucocytes HS

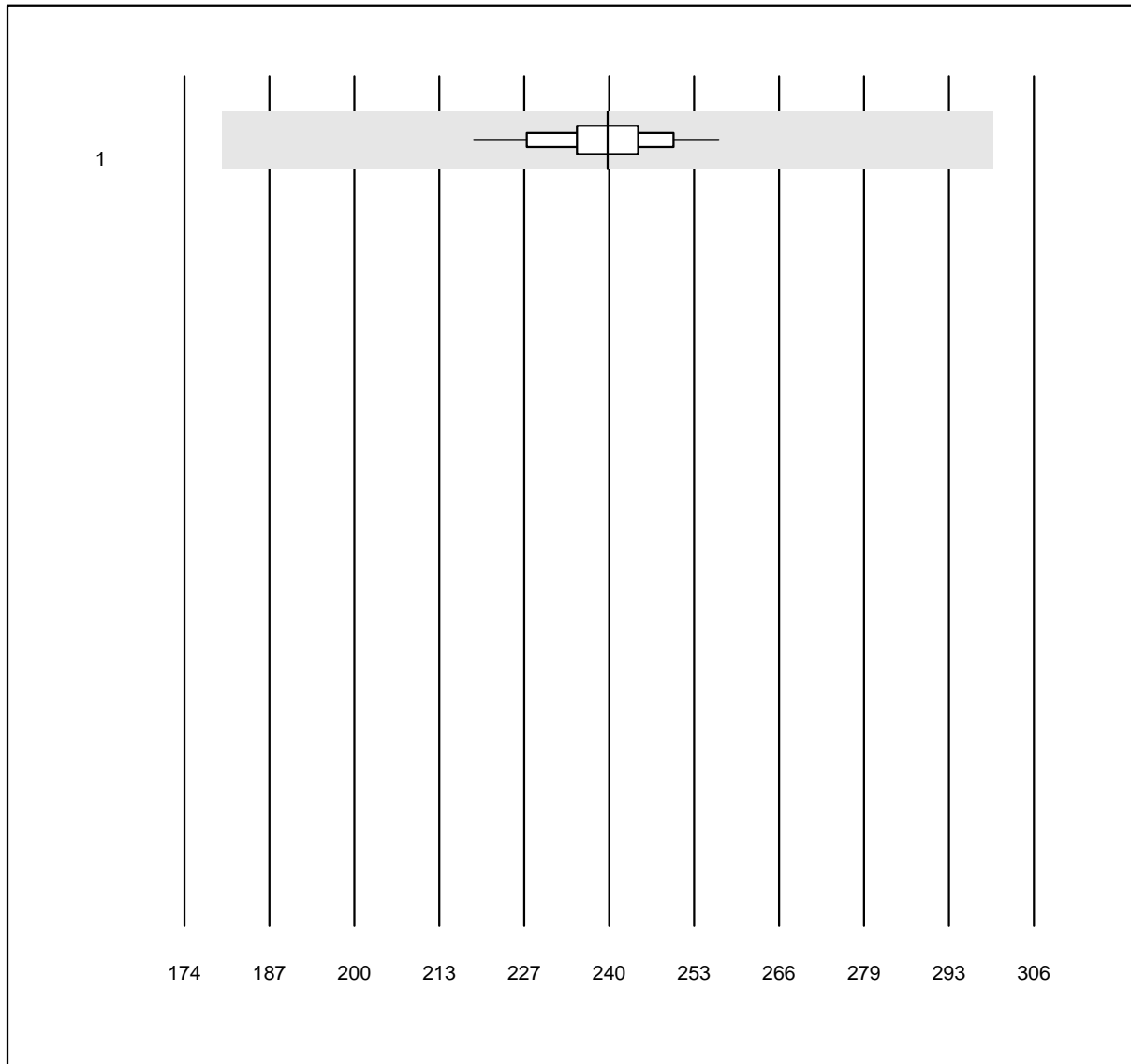


QUALAB Toleranz: 25%

Leucocytes HS (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 PixCell HemoScreen	42	100.0	0.0	0.0	8.50	4.4	e

Trombocytes HS

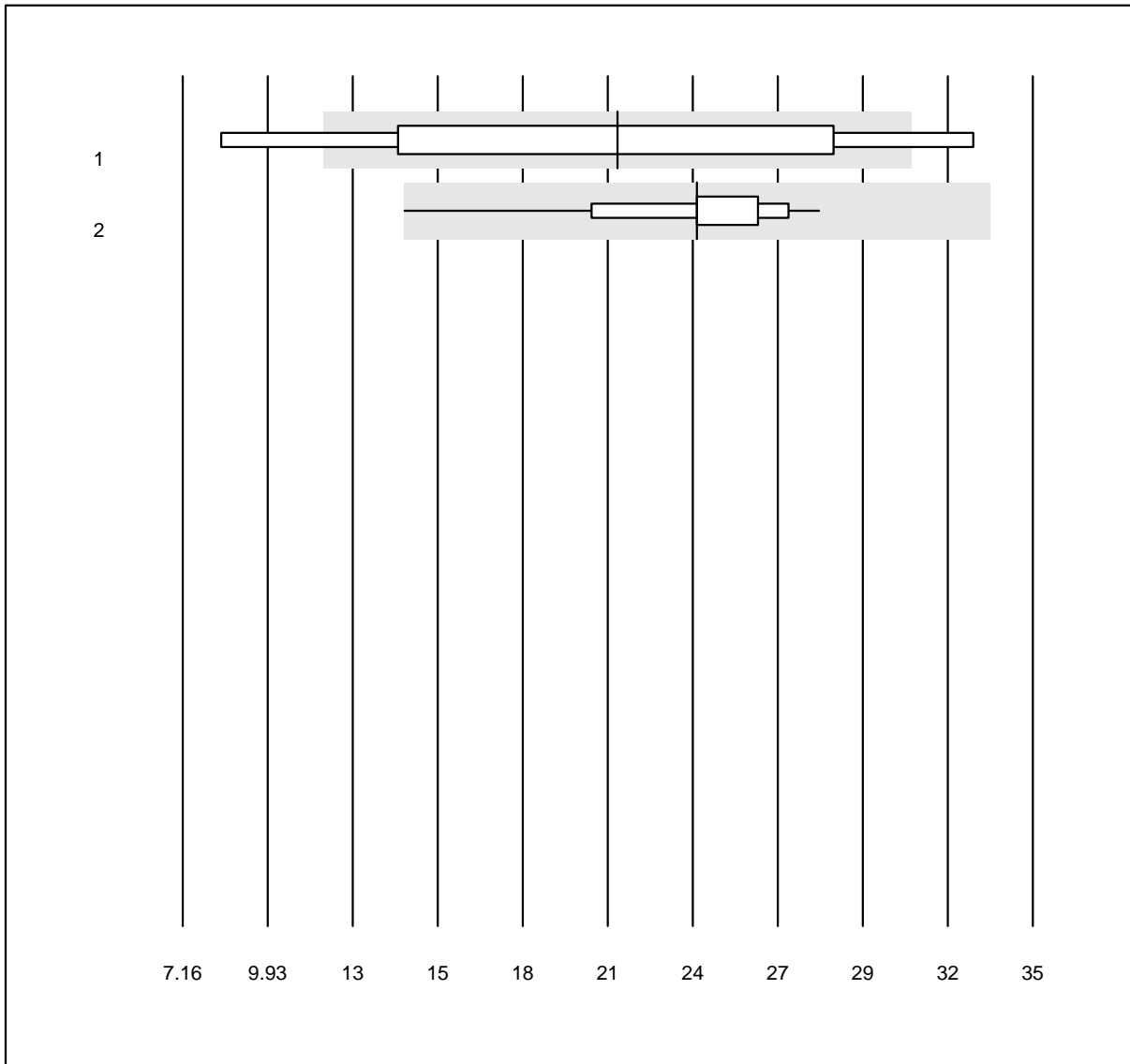


QUALAB Toleranz: 25%

Trombocytes HS (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 PixCell HemoScreen	41	100.0	0.0	0.0	239.8	3.6	e

Erythrocytes BF



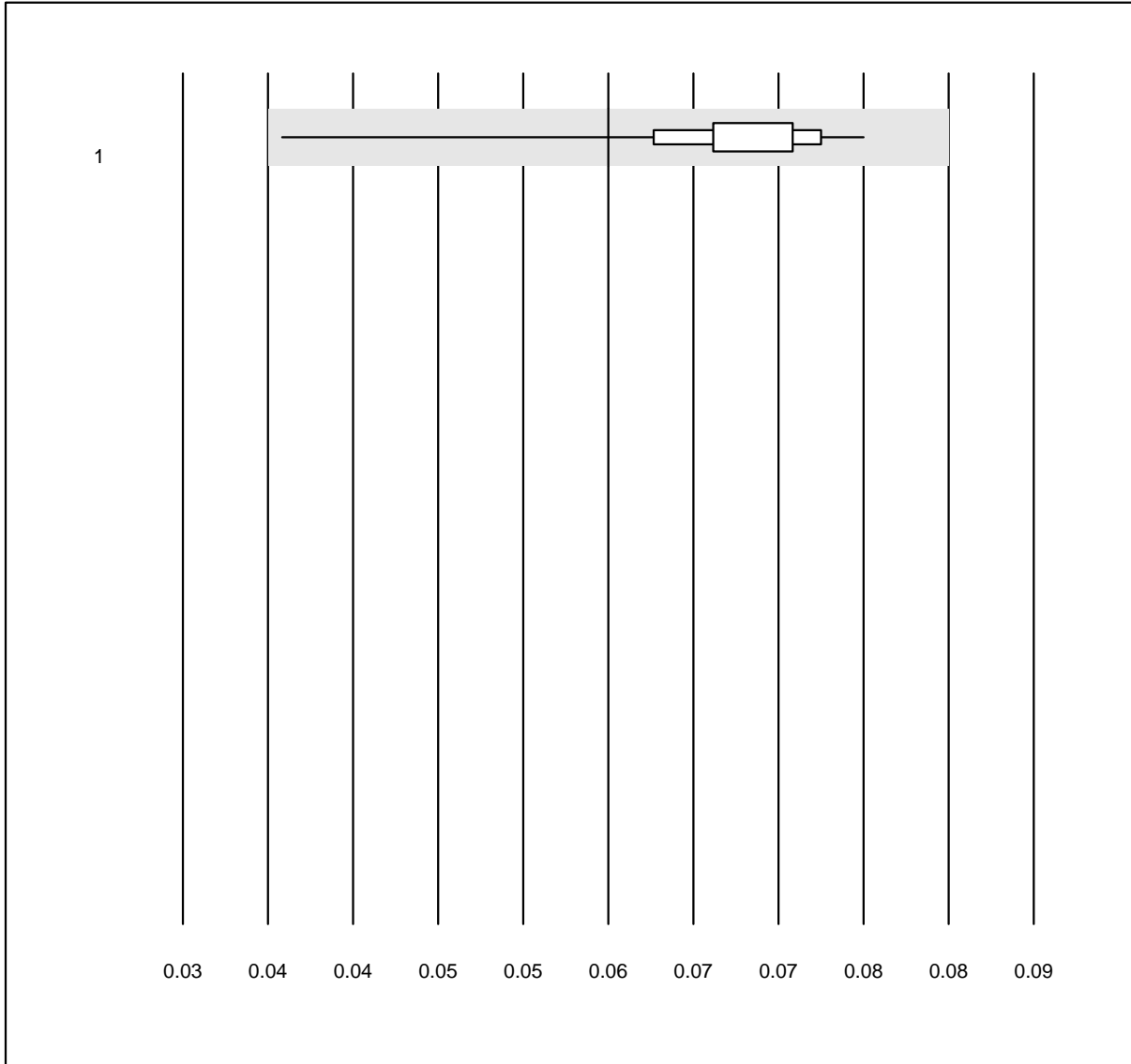
MQ Toleranz: 40%

Erythrocytes BF (G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Blood Bank mode	4	100.0	0.0	0.0	21.400	34.4	a*
2 Sysmex	43	100.0	0.0	0.0	24.000	12.3	a

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Leucocytes BF



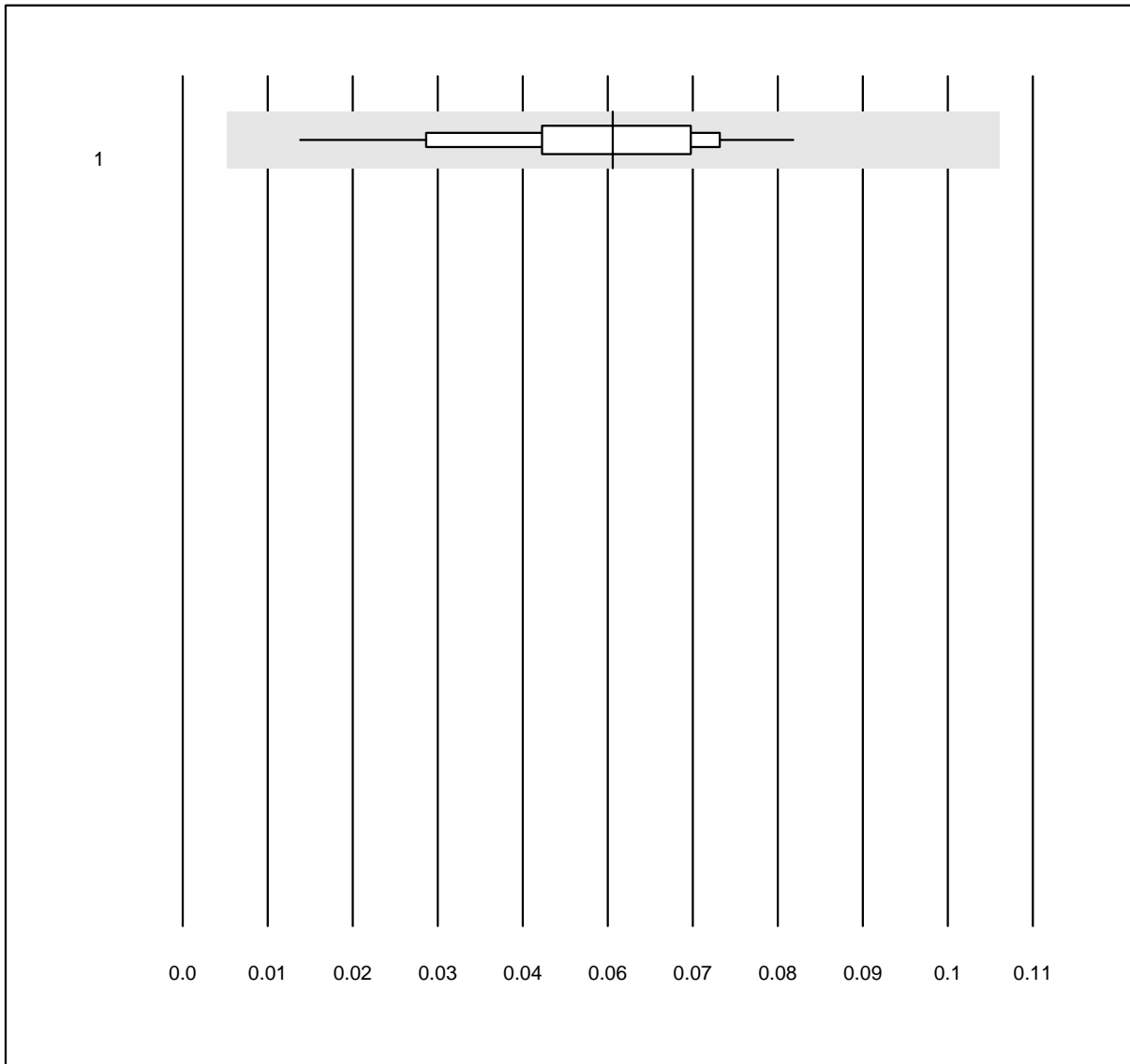
MQ Toleranz: 40%

Leucocytes BF (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	45	100.0	0.0	0.0	0.060	9.4	a

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Mononuclear cells (MN)

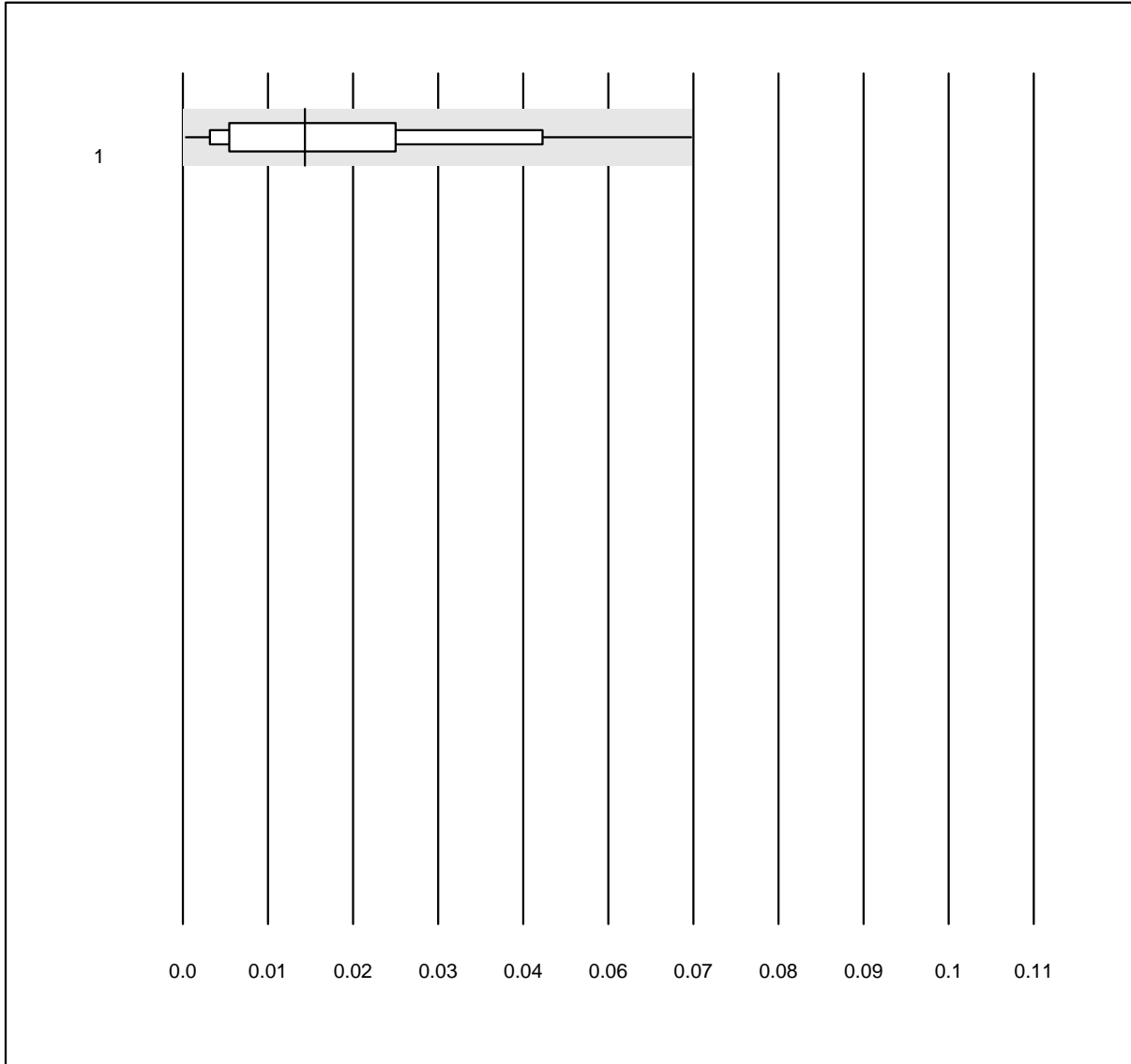


MQ Toleranz: 40%
(< 0.08: +/- 0.05 G/l)

Mononuclear cells (MN)
(G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	44	100.0	0.0	0.0	0.056	27.0	e

Polynuclear cells (PMN)

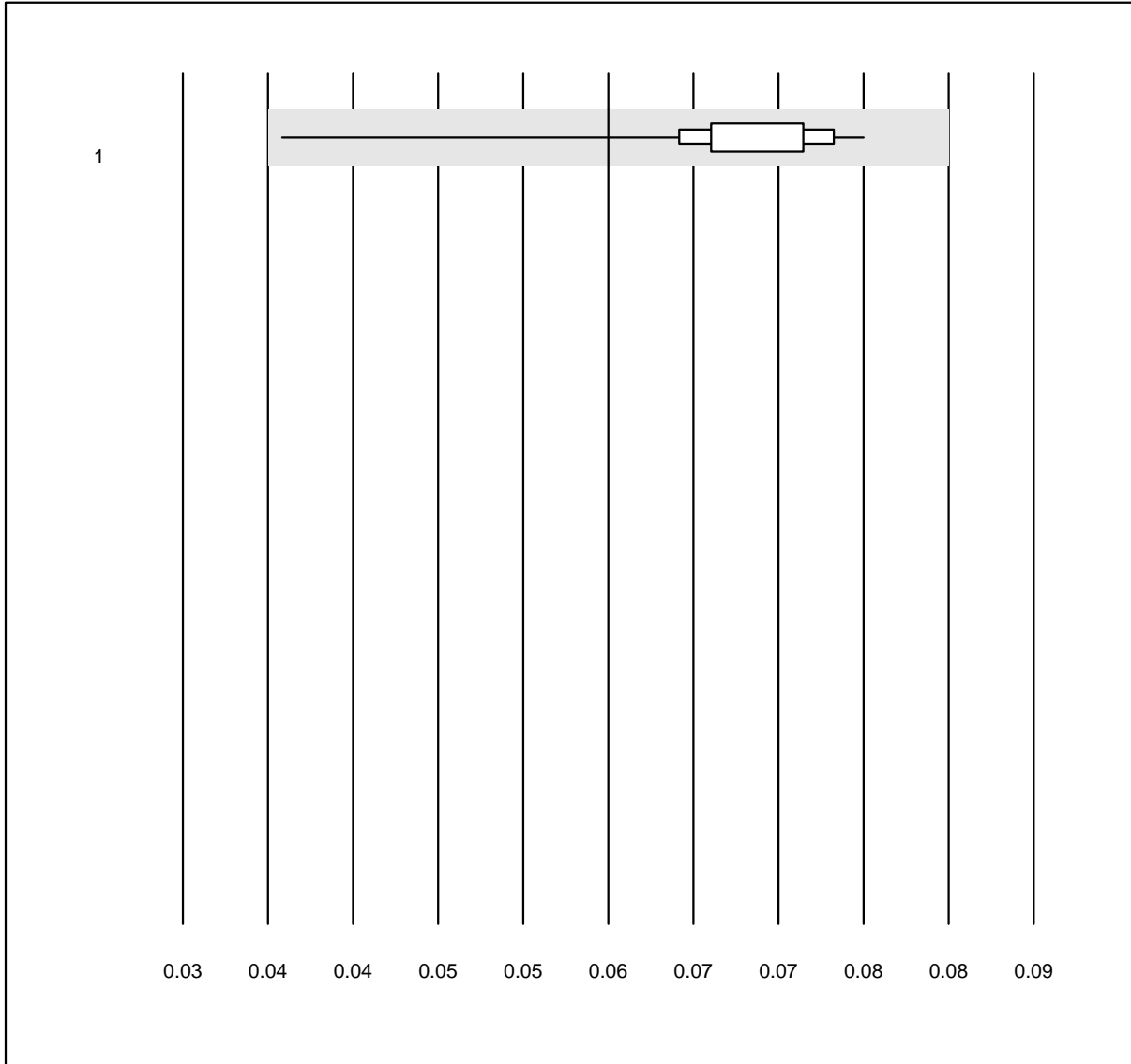


MQ Toleranz: 40%
(< 0.08: +/- 0.05 G/l)

Polynuclear cells (PMN)
(G/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	44	100.0	0.0	0.0	0.016	94.1	e

Total cells (TC)

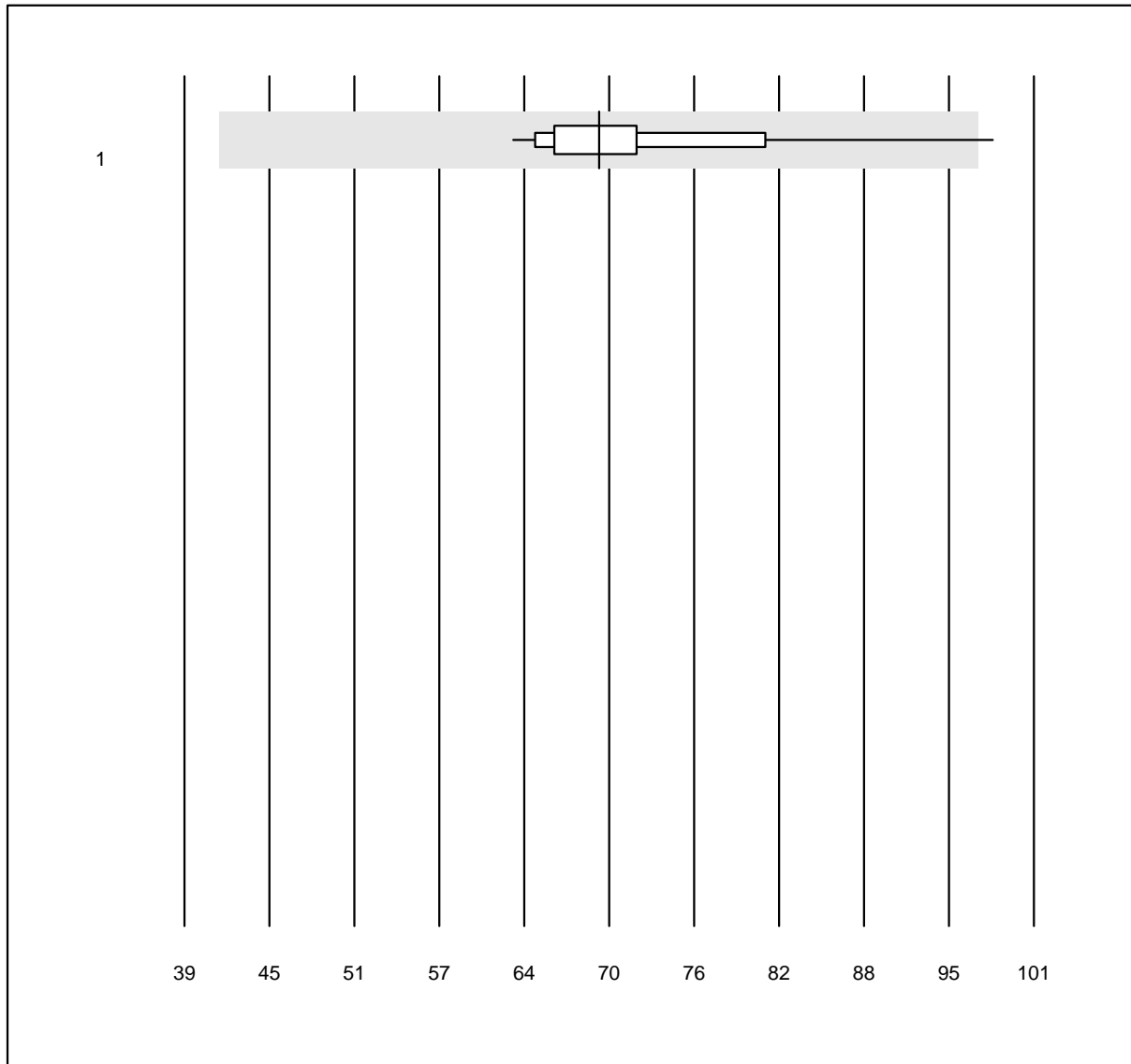


MQ Toleranz: 40%

Total cells (TC) (G/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Sysmex	40	100.0	0.0	0.0	0.060	9.7	a

Erythrocyte sedimentation rate

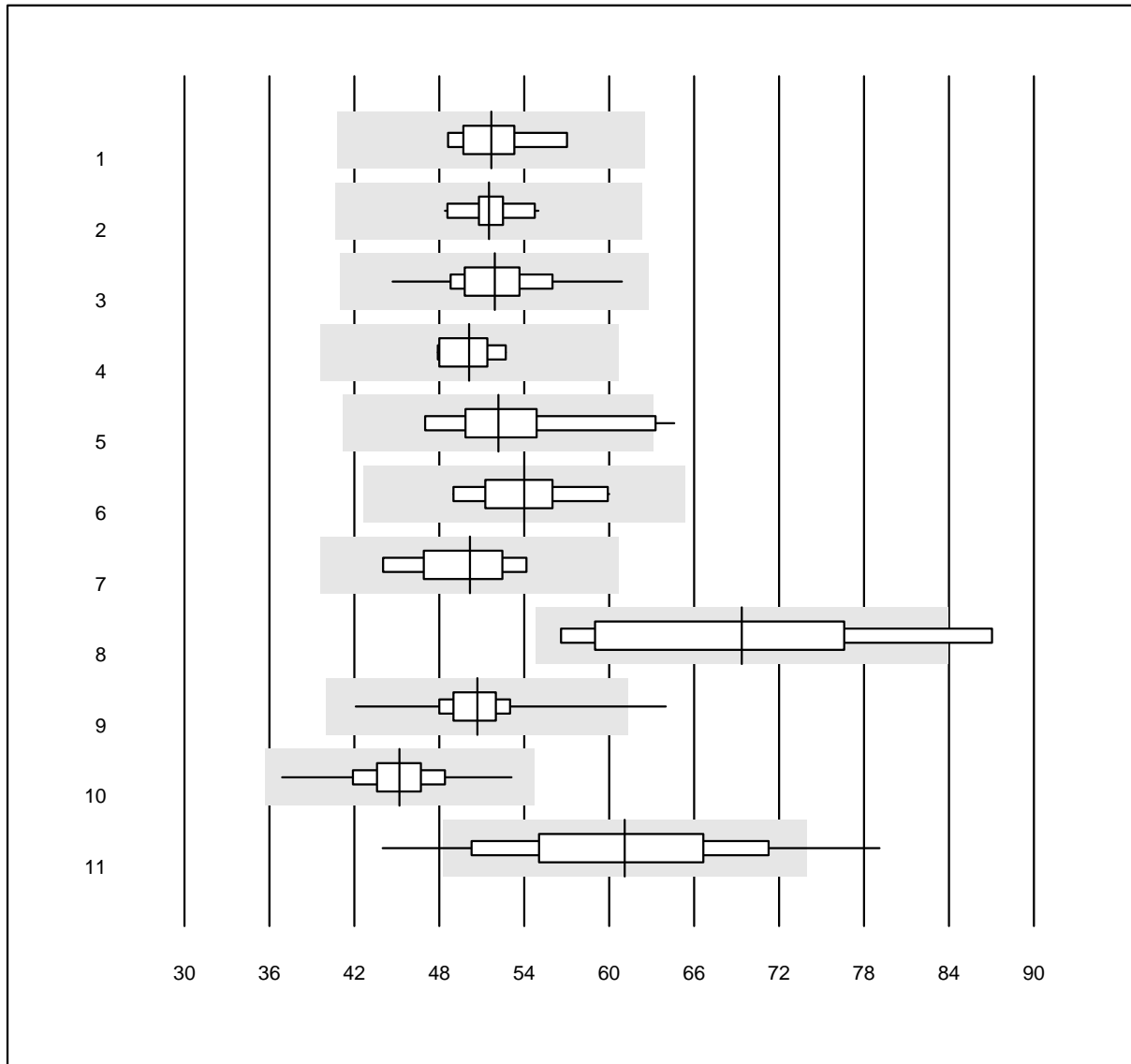


MQ Toleranz: 40%

Erythrocyte sedimentation rate (mm/h)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 miniiSed	30	80.0	3.3	16.7	69	10.7	e

CRP 1



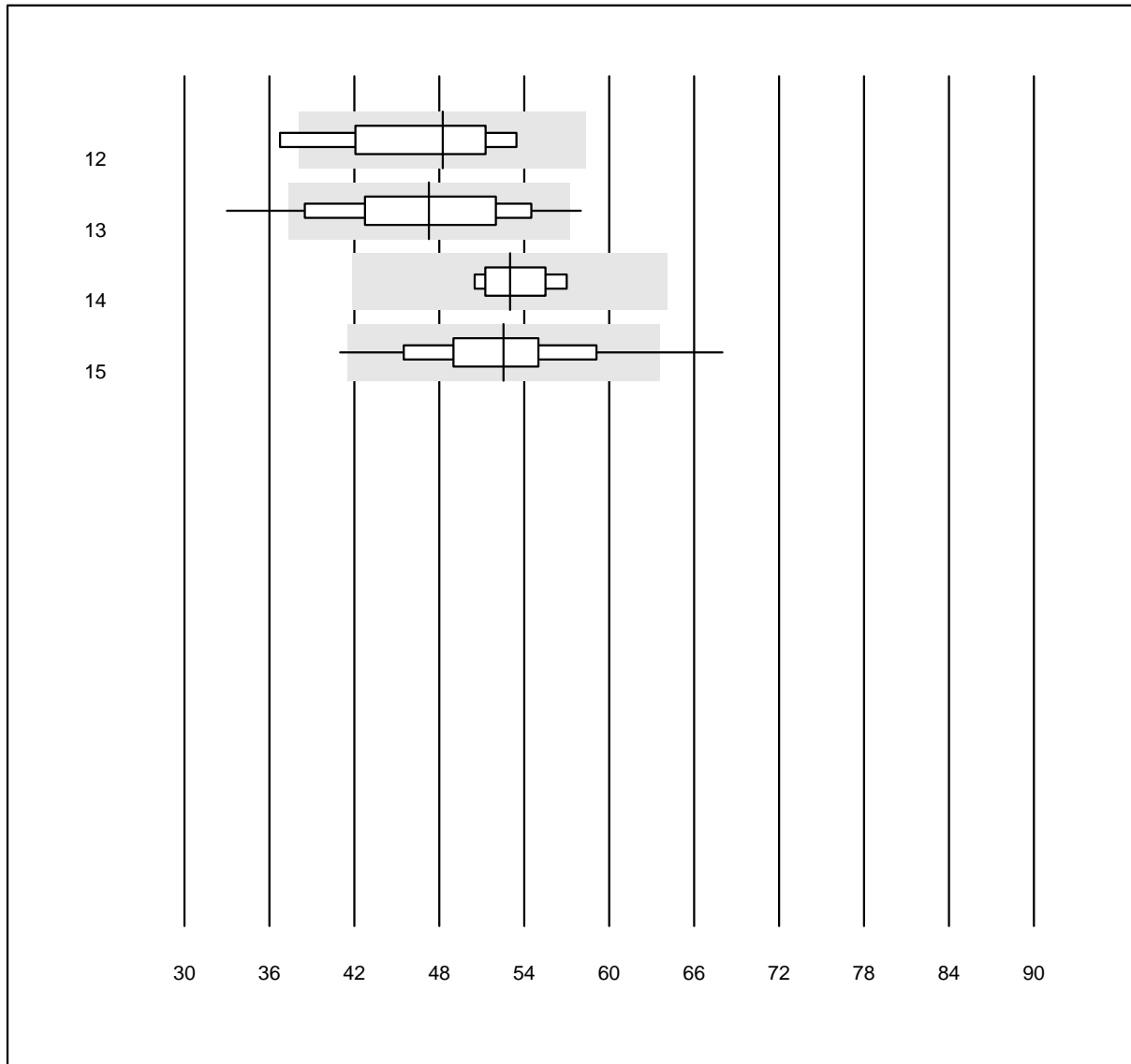
QUALAB Toleranz: 21%

CRP (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	7	100.0	0.0	0.0	51.7	5.0	e
2 Abbott	10	100.0	0.0	0.0	51.5	3.3	e
3 Roche	53	100.0	0.0	0.0	51.9	5.9	e
4 Siemens	10	90.0	0.0	10.0	50.1	3.6	e
5 Autolyser	13	92.3	7.7	0.0	52.2	9.9	e*
6 Fuji Dri-Chem	10	100.0	0.0	0.0	54.0	6.7	e
7 Spotchem D-Concept	5	100.0	0.0	0.0	50.2	6.2	e*
8 Piccolo	7	85.7	14.3	0.0	69.4	14.0	e*
9 Afinion	991	99.4	0.1	0.5	50.7	4.4	e
10 Cobas b101/Click	488	99.6	0.0	0.4	45.2	5.9	e
11 Eurolyser	40	82.5	10.0	7.5	61.1	12.9	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

CRP 2



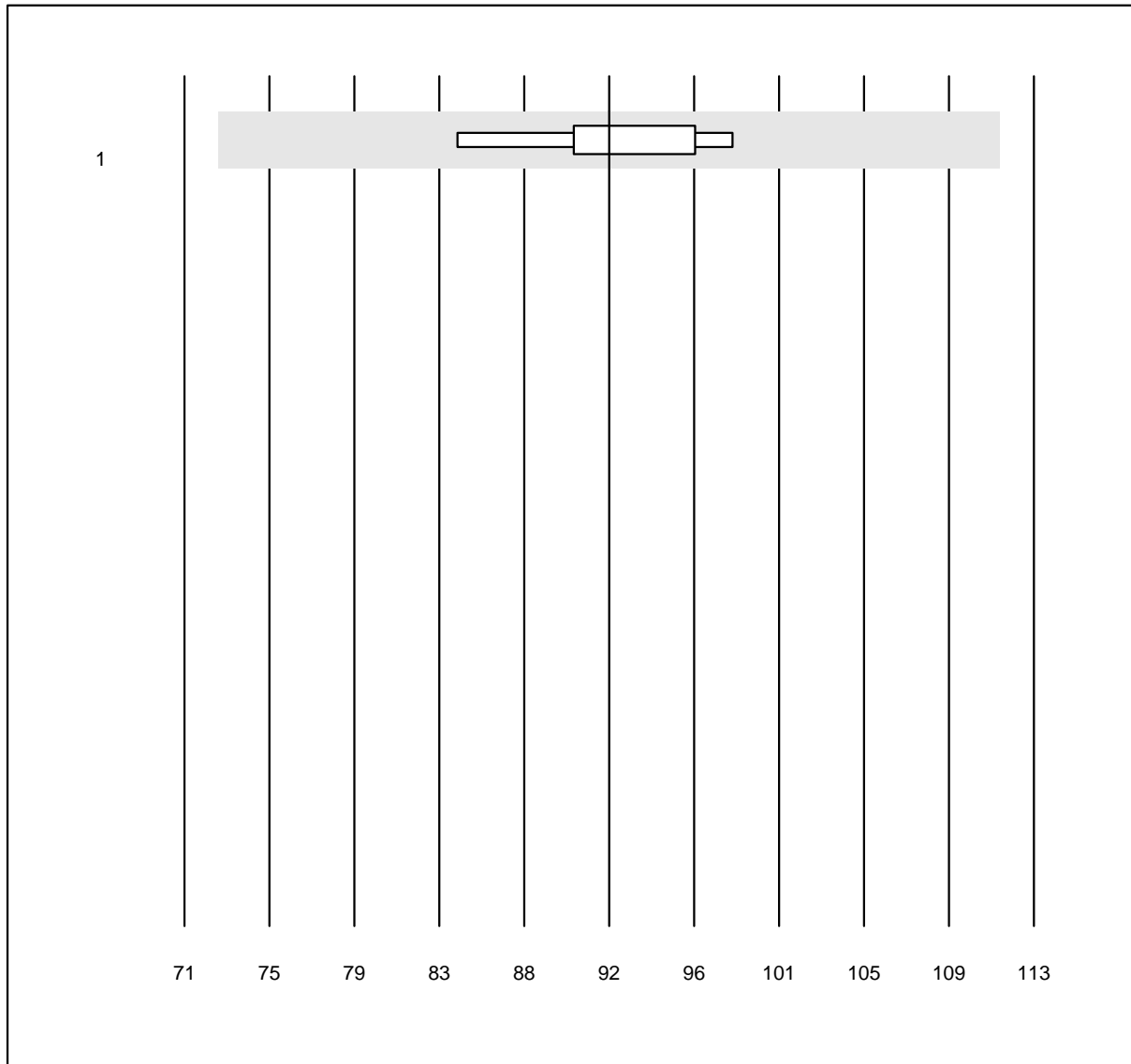
QUALAB Toleranz: 21%

CRP (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Turbidimetry	4	100.0	0.0	0.0	48.3	10.5	e*
13 NycoCard SingleTest-Plasma	35	88.6	8.6	2.9	47.3	12.9	e
14 AQT 90 FLEX	4	100.0	0.0	0.0	53.0	4.2	e
15 Quick Read go	82	90.2	4.9	4.9	52.5	10.0	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

CRP QR

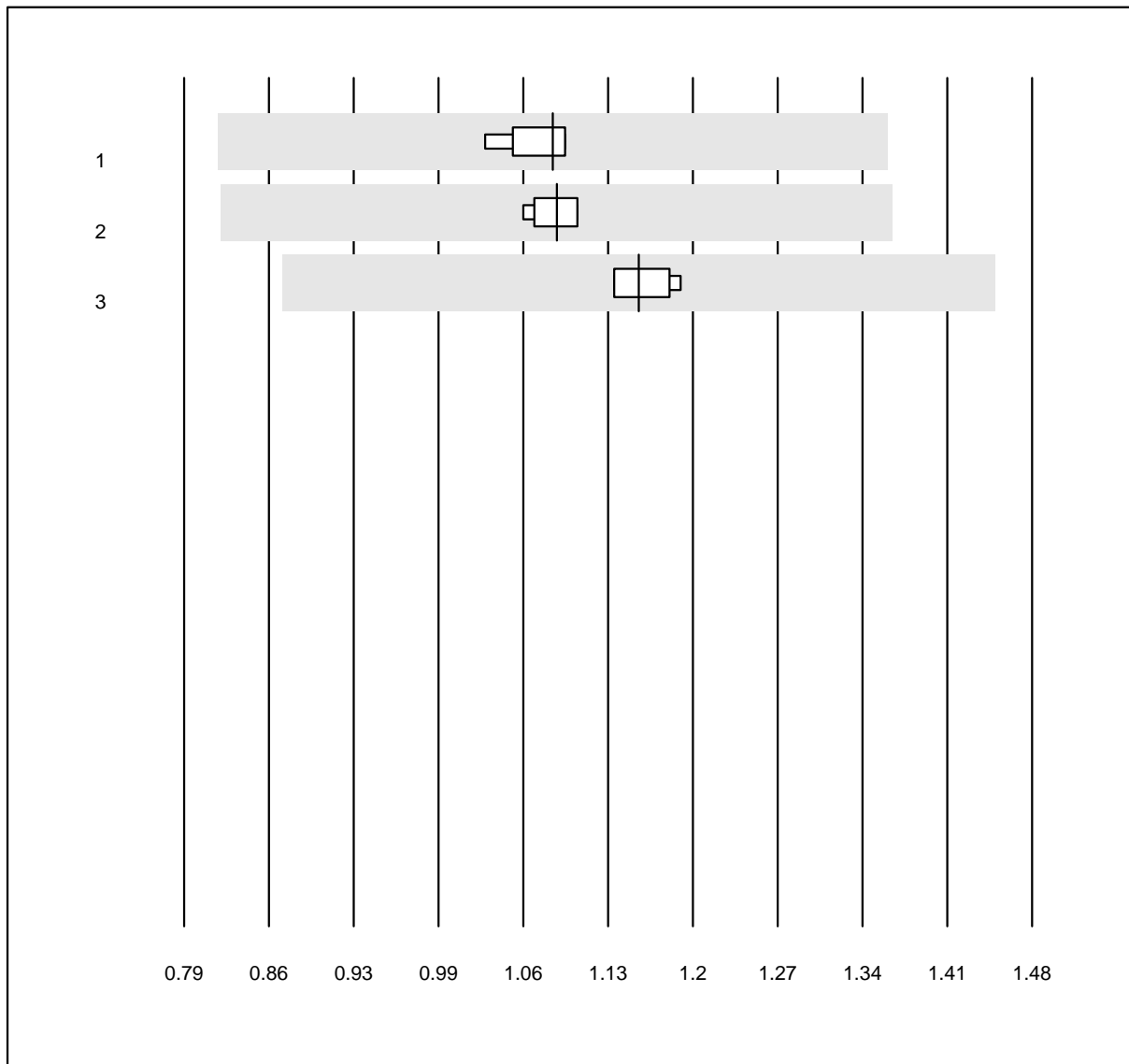


QUALAB Toleranz: 21%

CRP QR (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	8	100.0	0.0	0.0	92.0	4.4	e

Alpha-1-Antitrypsin

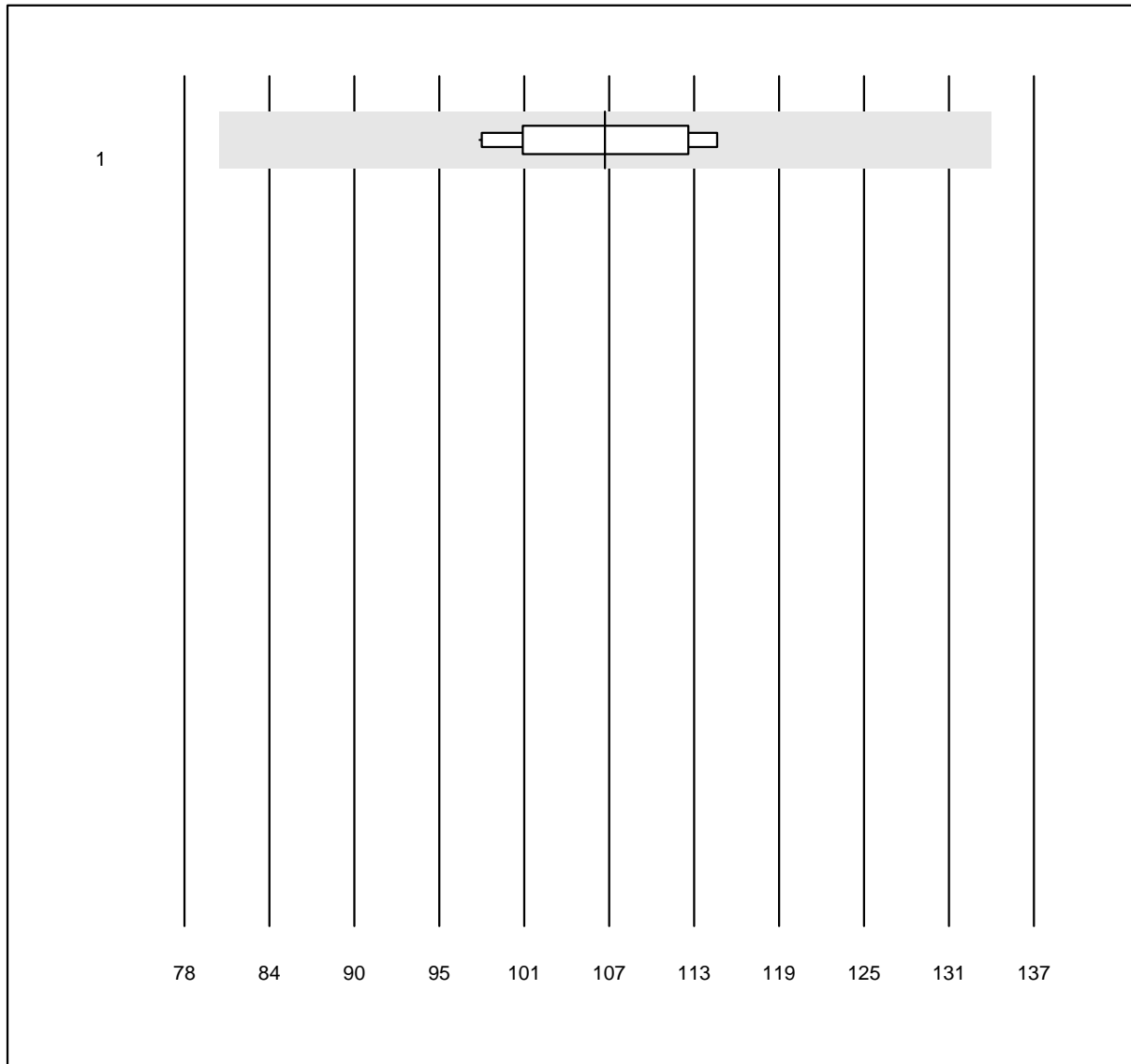


MQ Toleranz: 25%

Alpha-1-Antitrypsin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	1.09	2.2	e
2 Roche	5	100.0	0.0	0.0	1.09	1.6	e
3 Siemens	5	100.0	0.0	0.0	1.16	2.0	e

Anti-Streptolysin-Antibodies



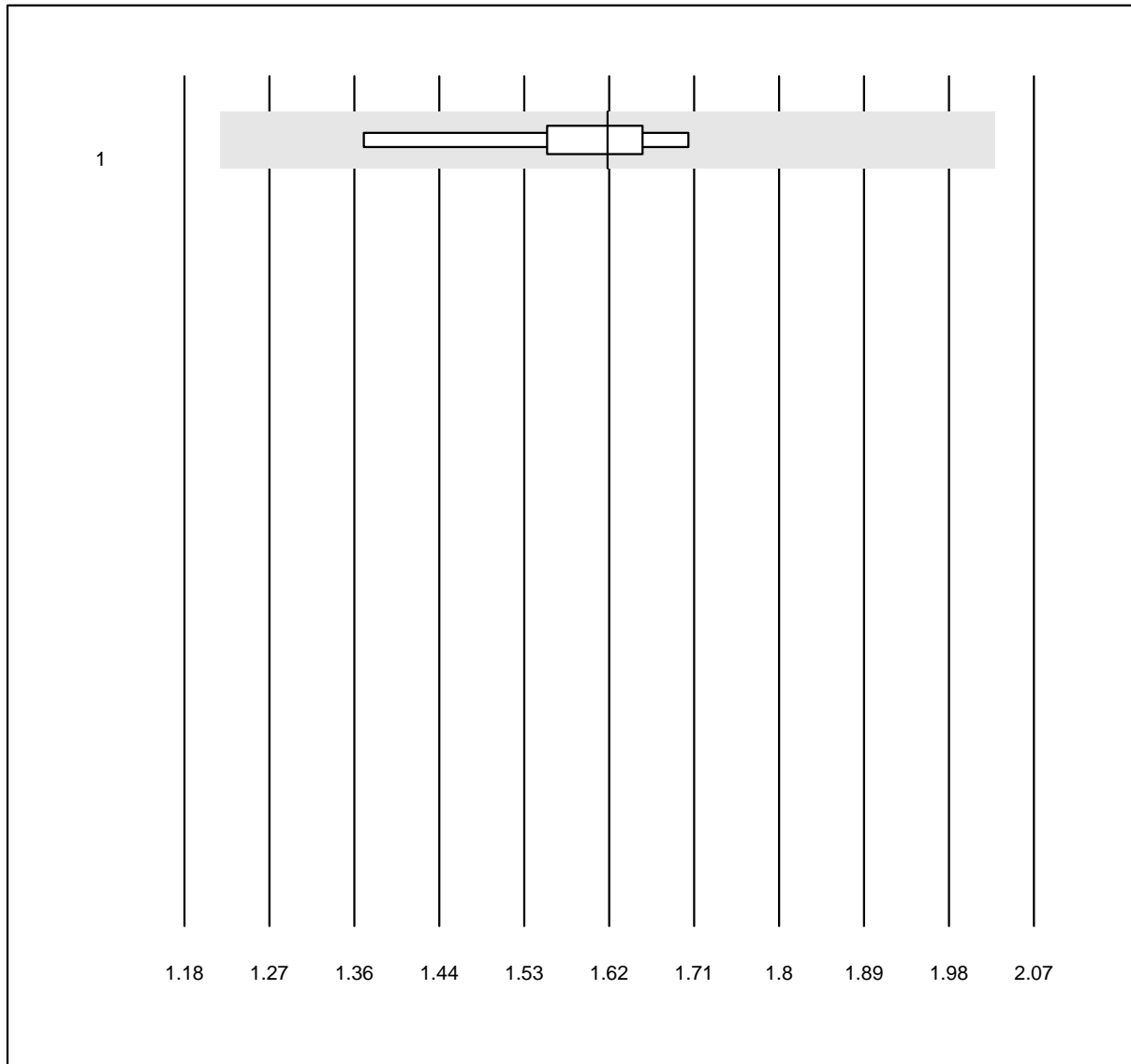
MQ Toleranz: 25%

Anti-Streptolysin-Antibodies
(kIU/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	12	100.0	0.0	0.0	107	5.5	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Beta-2 microglobuline



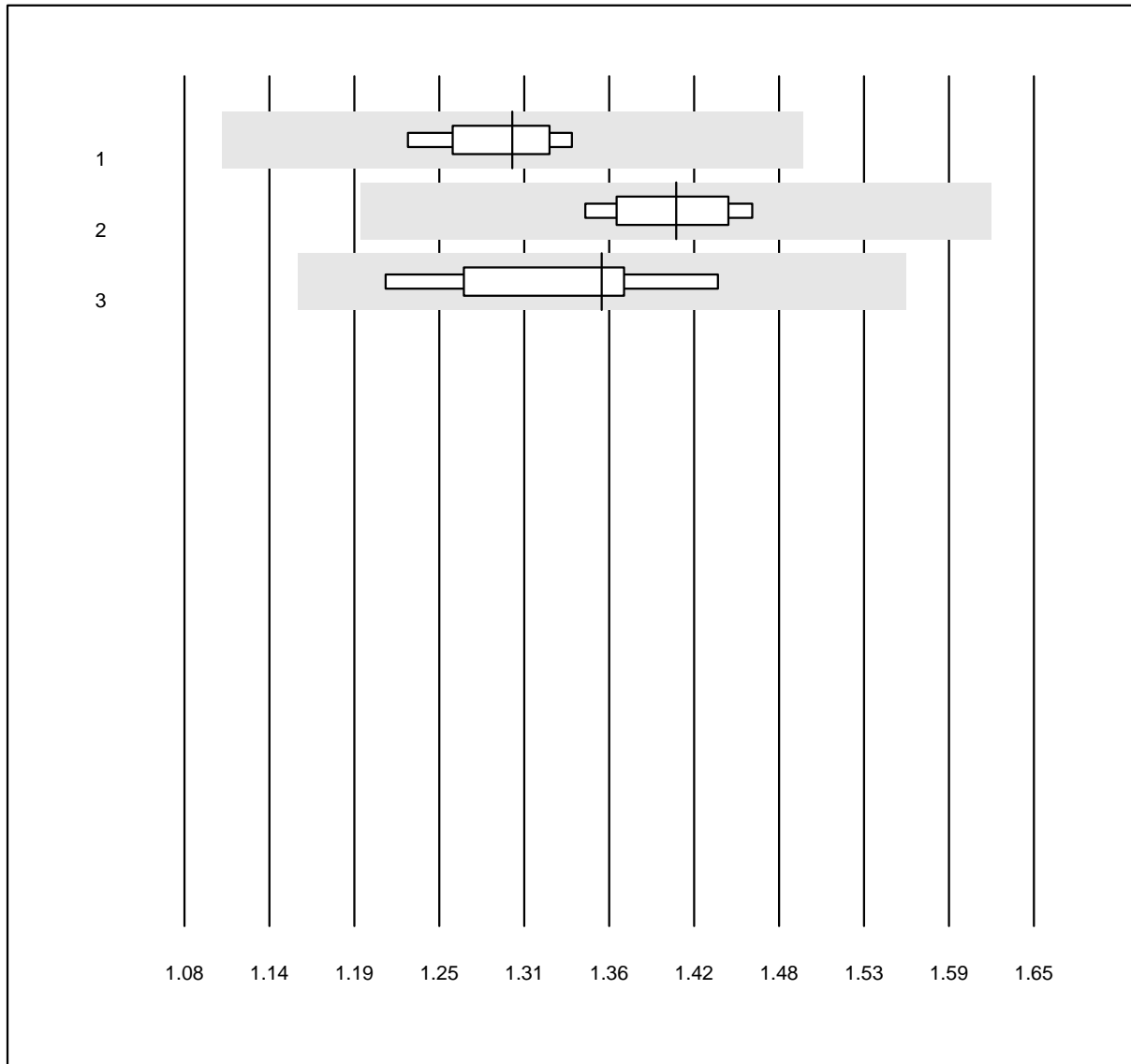
MQ Toleranz: 25%

Beta-2 microglobuline
(mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	7	100.0	0.0	0.0	1.62	6.1	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Complement C3



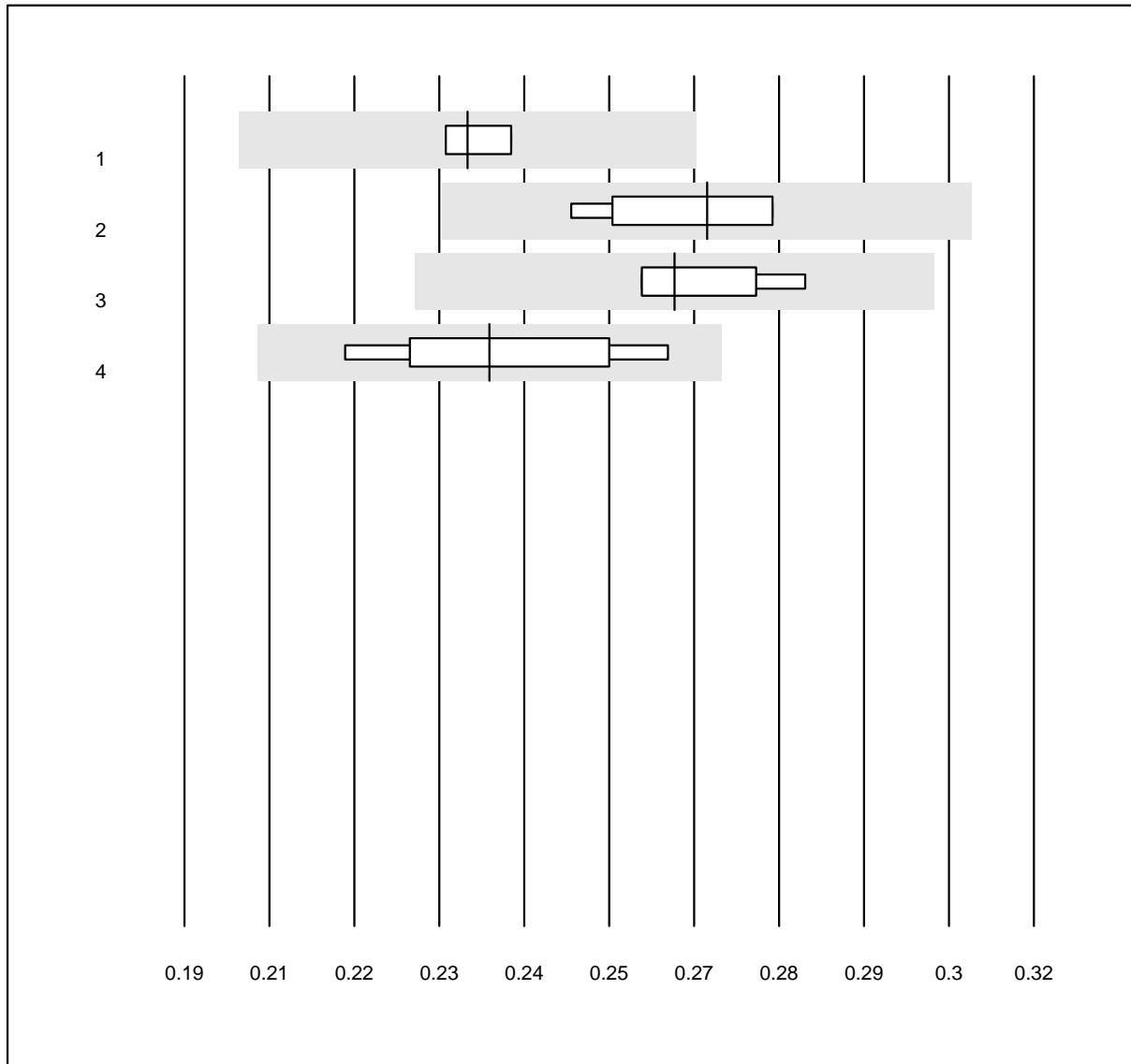
QUALAB Toleranz: 15%

Complement C3 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	1.30	2.6	e
2 Roche	8	100.0	0.0	0.0	1.41	2.8	e
3 Siemens	6	100.0	0.0	0.0	1.36	5.1	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Complement C4

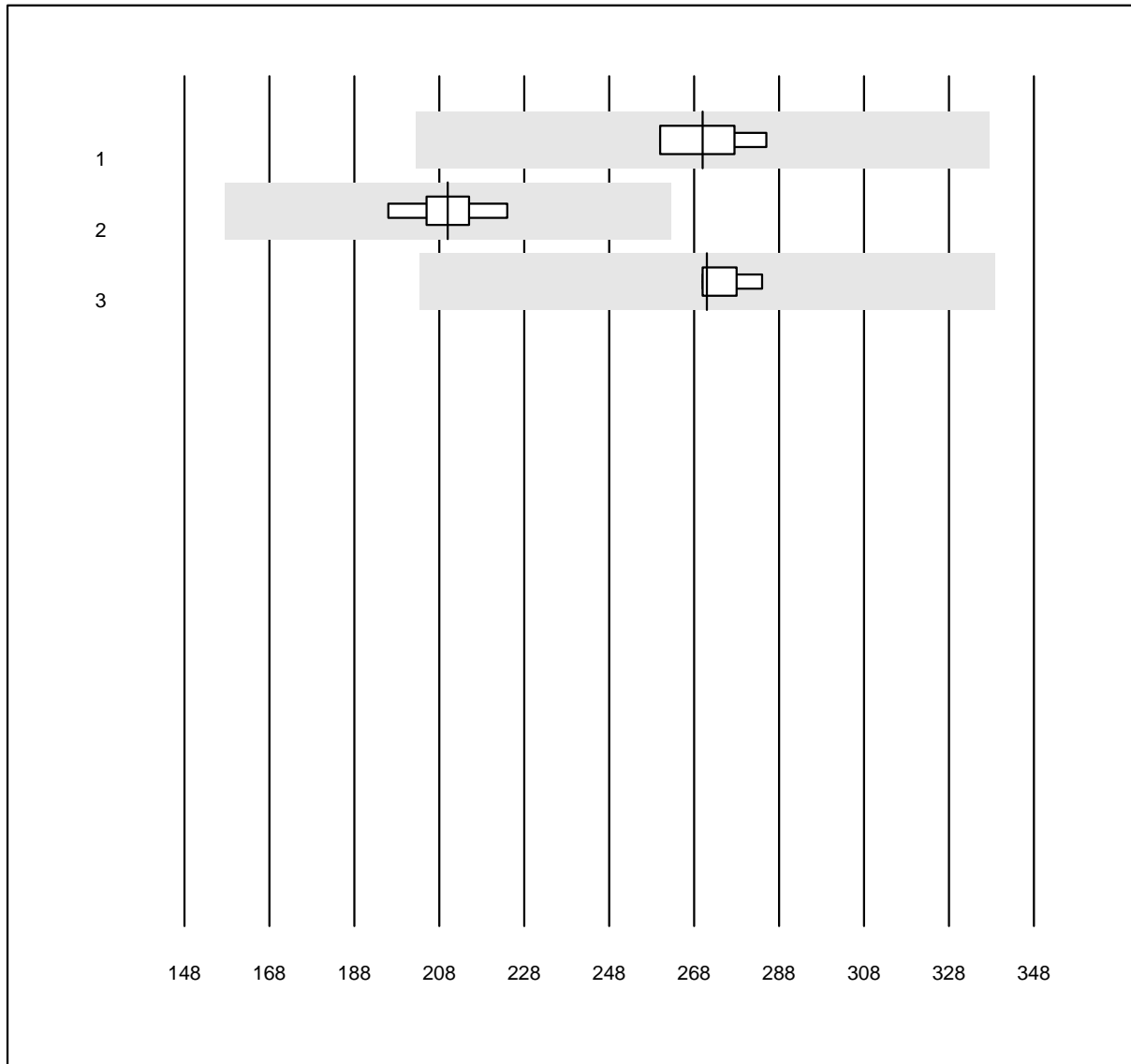


QUALAB Toleranz: 15%

Complement C4 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	7	100.0	0.0	0.0	0.23	2.3	e
2 Siemens	6	100.0	0.0	0.0	0.27	4.4	e*
3 Alinity	4	100.0	0.0	0.0	0.27	3.6	e
4 Other methods	5	100.0	0.0	0.0	0.24	7.0	e*

Ceruloplasmin

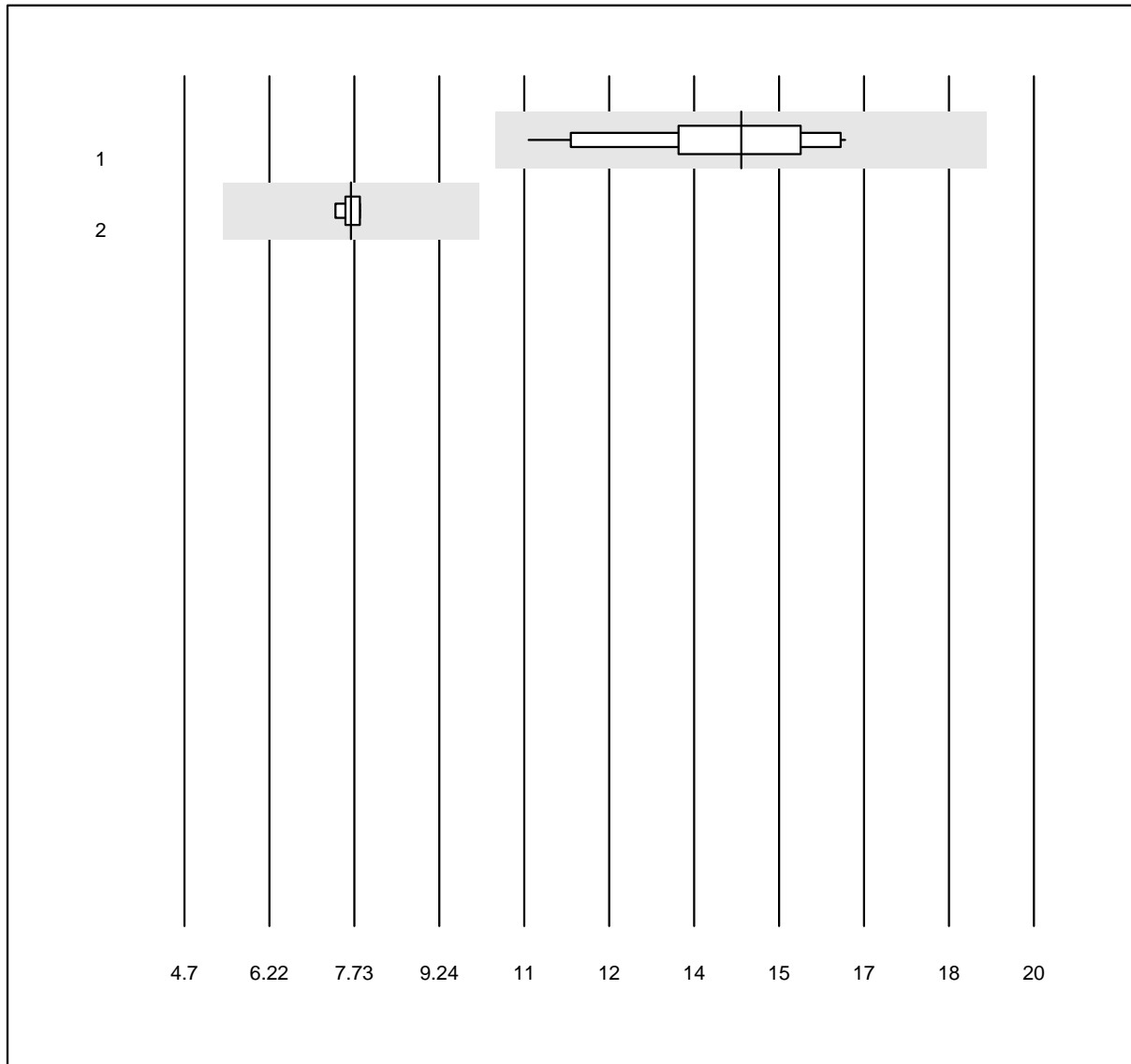


MQ Toleranz: 25%

Ceruloplasmin (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	270.00	3.6	e
2 Roche	5	100.0	0.0	0.0	210.00	3.4	e
3 Siemens	4	100.0	0.0	0.0	271.00	1.7	e

free light chain kappa

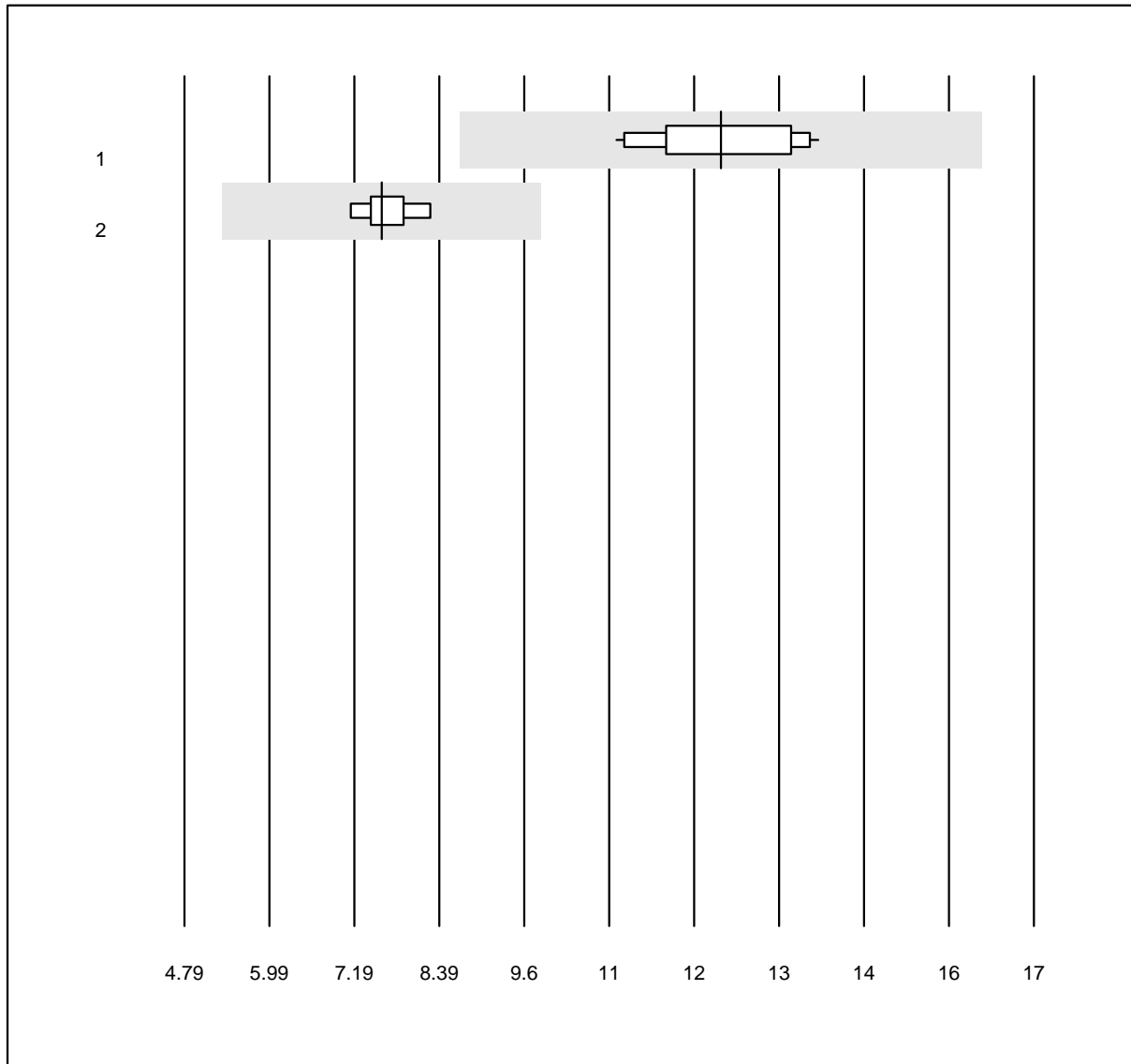


QUALAB Toleranz: 30%

free light chain kappa (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Freelite	13	100.0	0.0	0.0	14.73	10.9	e
2 N Latex	7	100.0	0.0	0.0	7.70	2.1	e

free light chain lambda

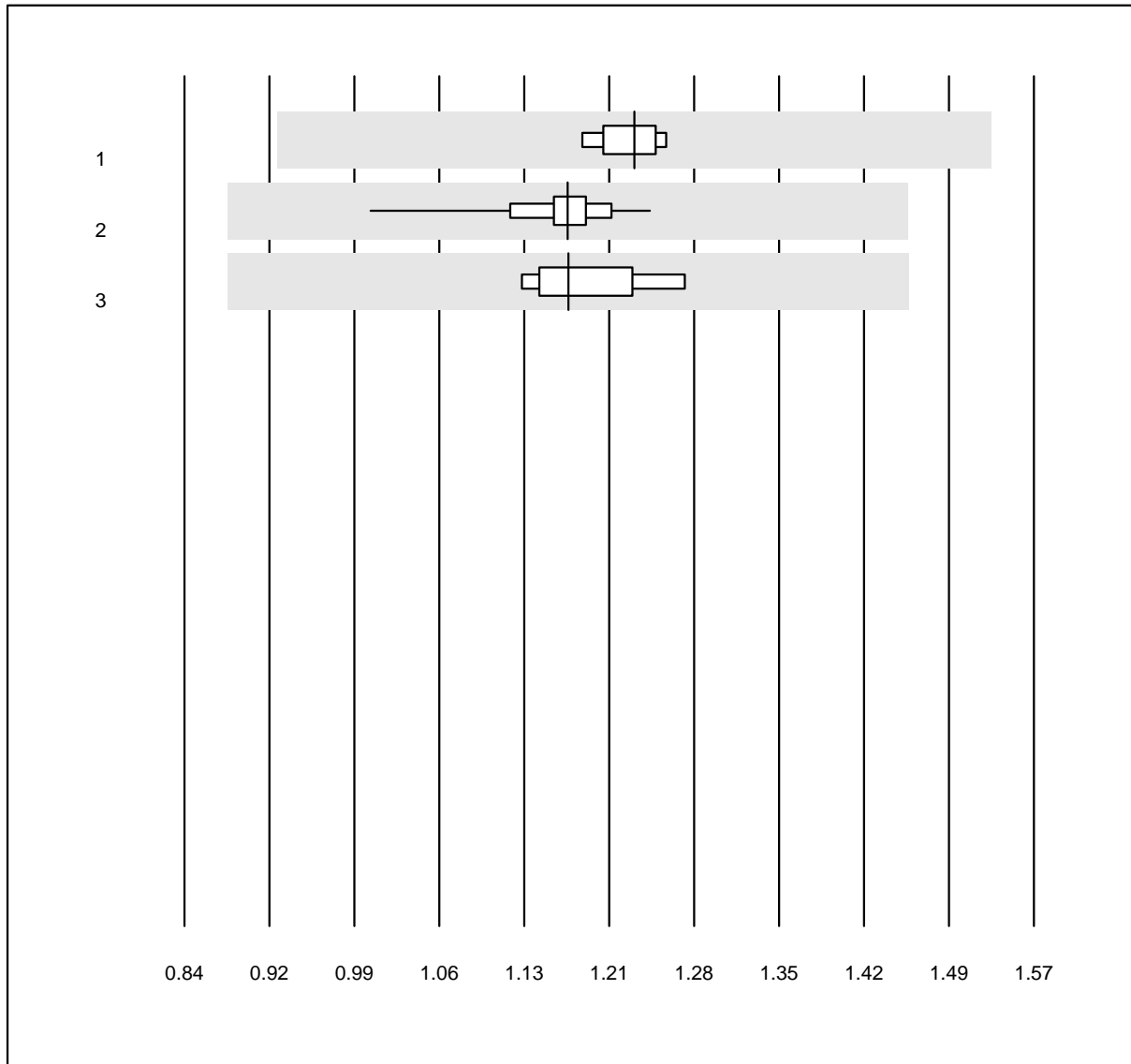


QUALAB Toleranz: 30%

free light chain lambda
(mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Freelite	13	100.0	0.0	0.0	12.50	7.7	e
2 N Latex	7	100.0	0.0	0.0	7.63	4.4	e

Haptoglobin



MQ Toleranz: 25%

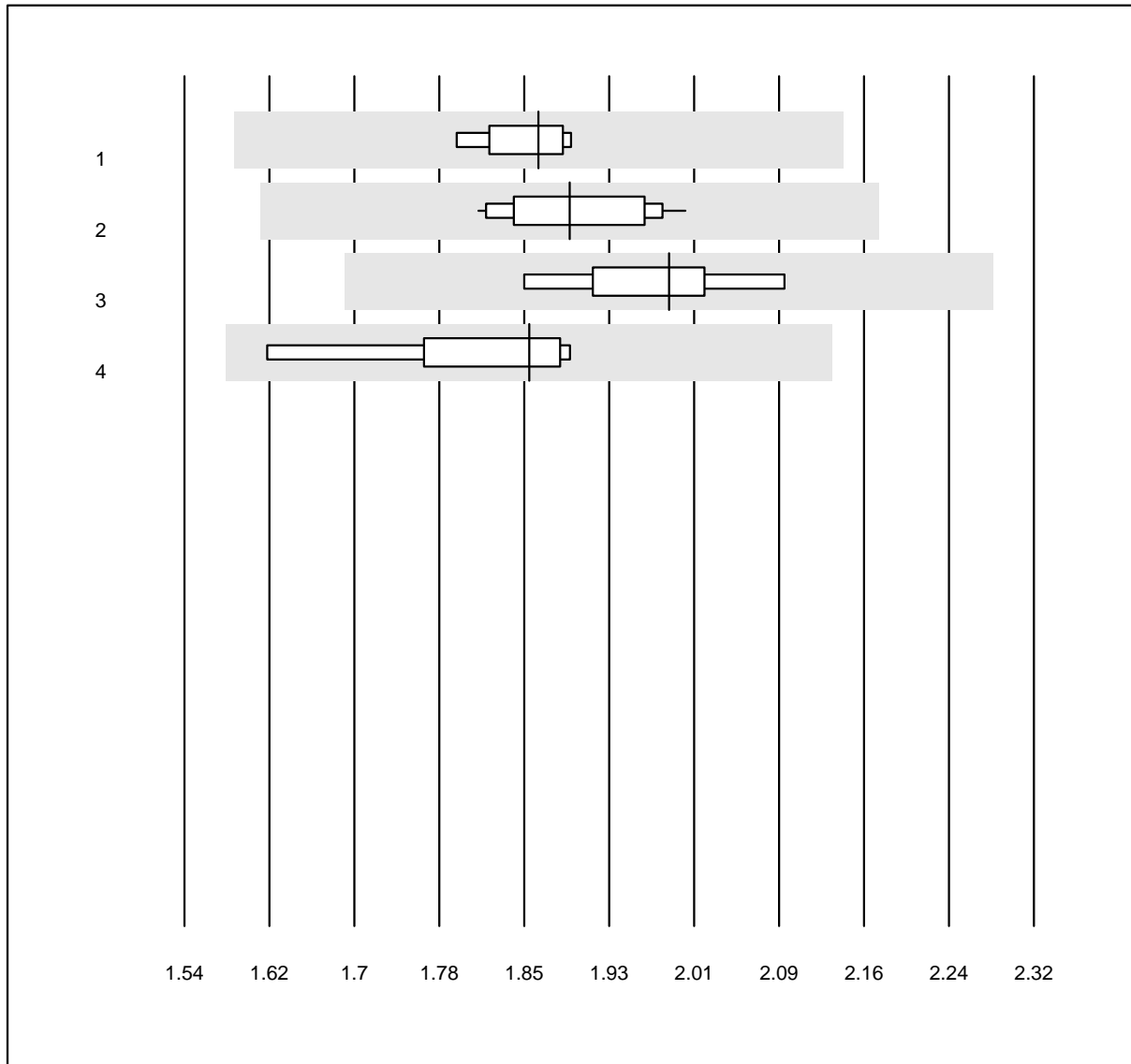
Haptoglobin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	1.23	2.0	e
2 Roche	22	100.0	0.0	0.0	1.17	4.0	e
3 Siemens	4	100.0	0.0	0.0	1.17	3.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

I02 Plasmaproteins

IgA

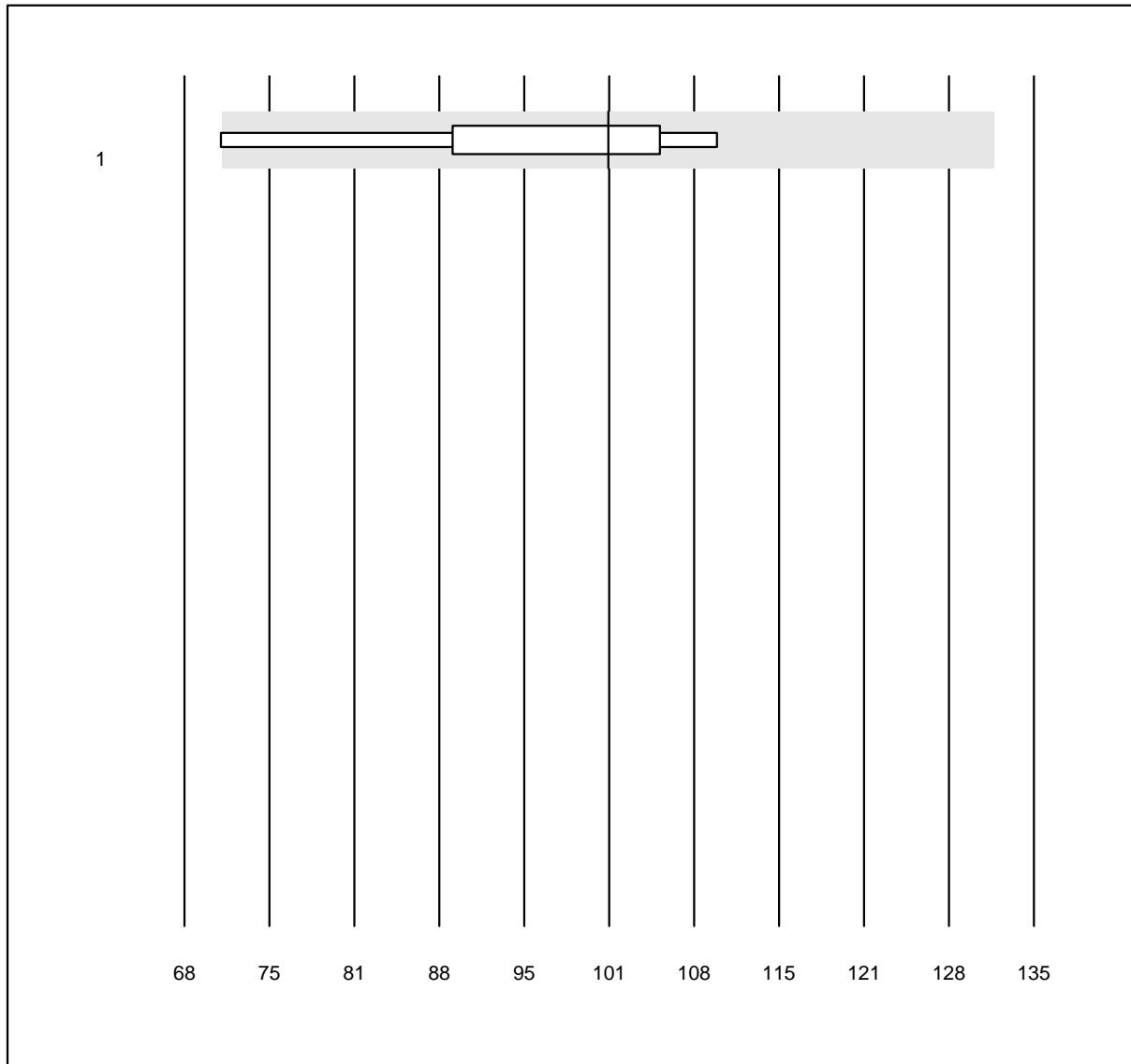


QUALAB Toleranz: 15%

IgA (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	1.86	1.9	e
2 Roche	16	100.0	0.0	0.0	1.89	3.3	e
3 Siemens	6	100.0	0.0	0.0	1.99	3.5	e
4 Other methods	5	100.0	0.0	0.0	1.86	4.7	e*

IgE



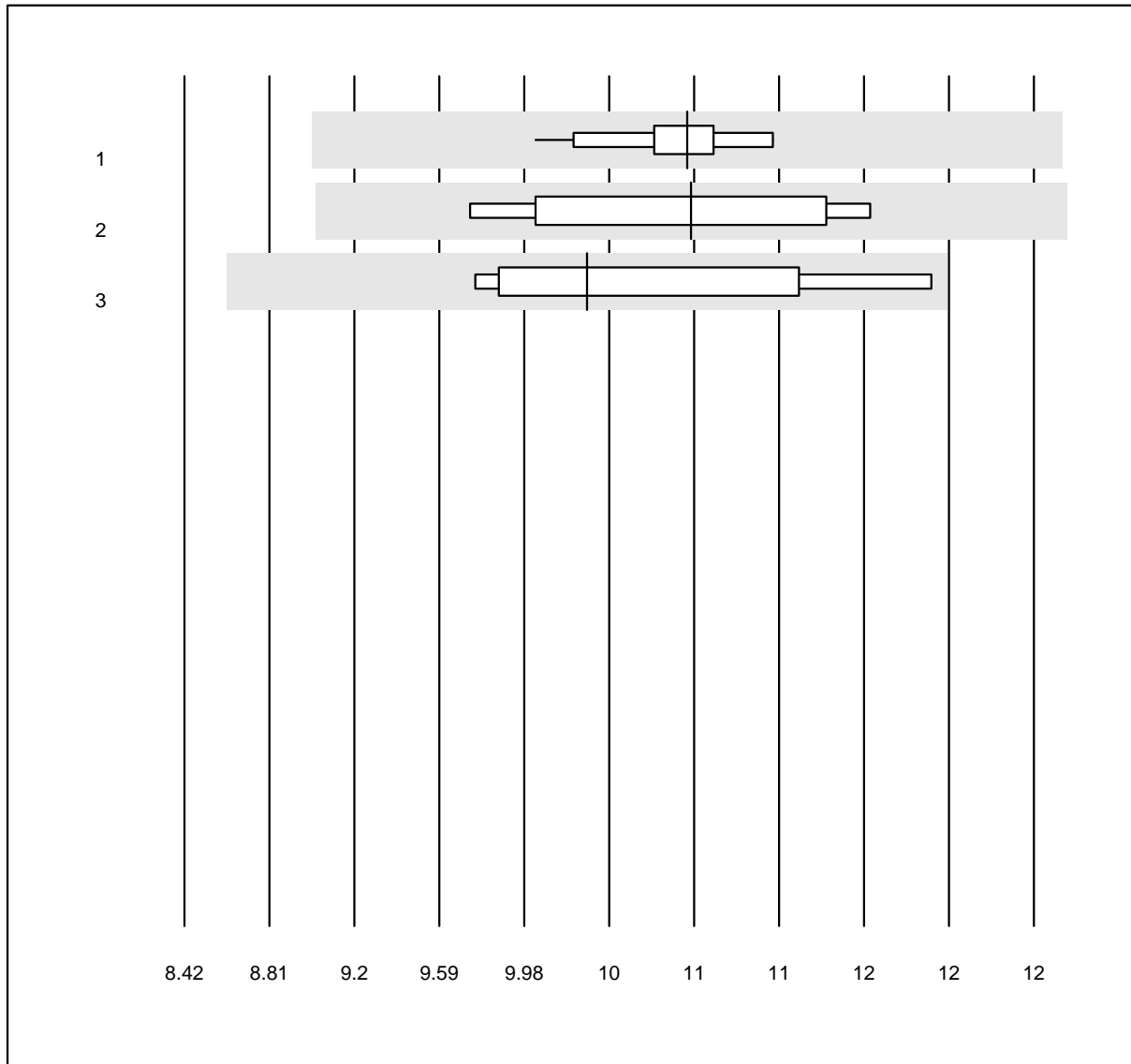
QUALAB Toleranz: 30%

IgE (kU/L)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	5	100.0	0.0	0.0	101	11.4	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

IgG



QUALAB Toleranz: 15%

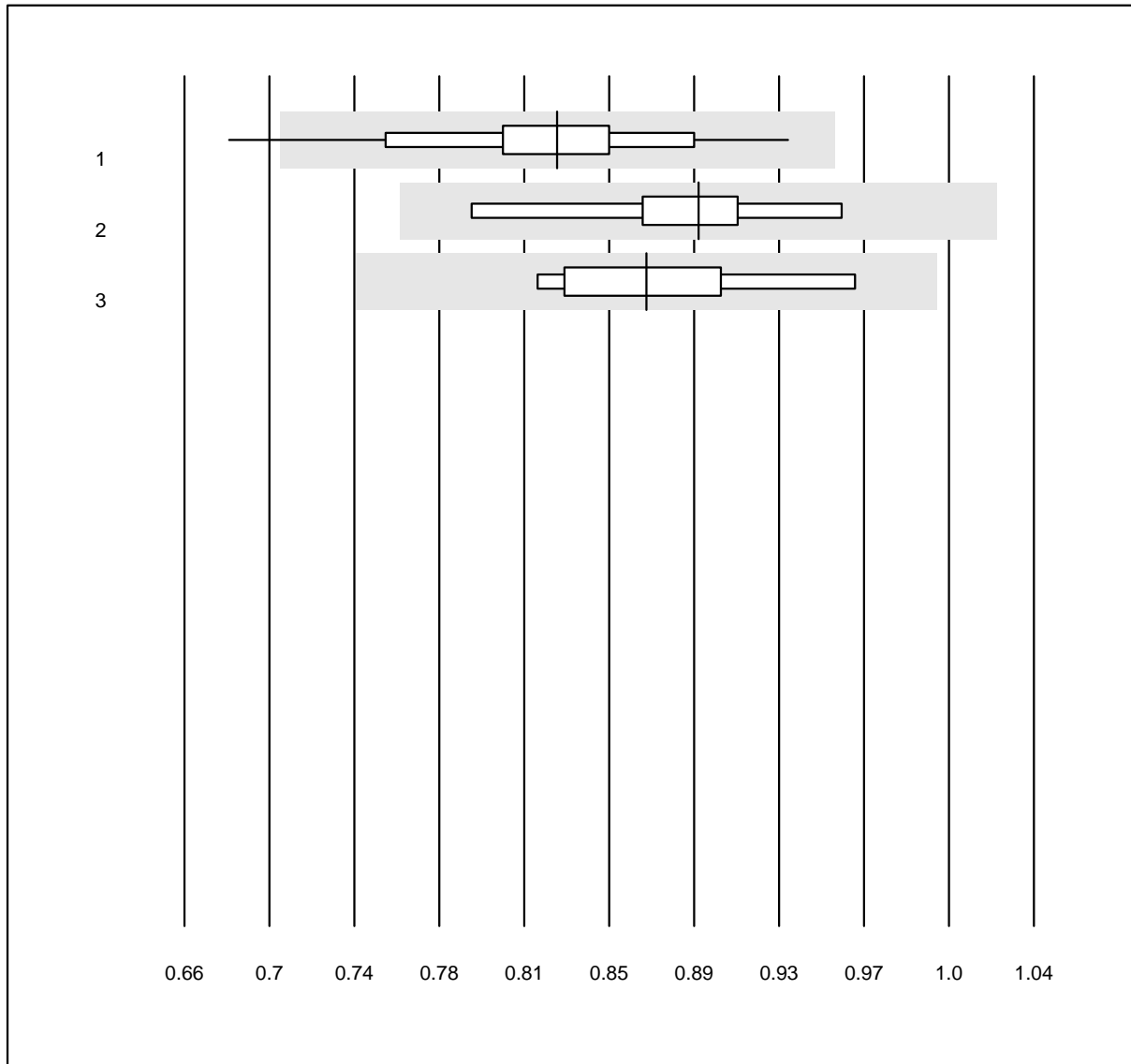
IgG (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	17	100.0	0.0	0.0	10.54	2.6	e
2 Siemens	8	100.0	0.0	0.0	10.55	5.9	e*
3 Other methods	5	100.0	0.0	0.0	10.12	6.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

I02 Plasmaproteins

IgM

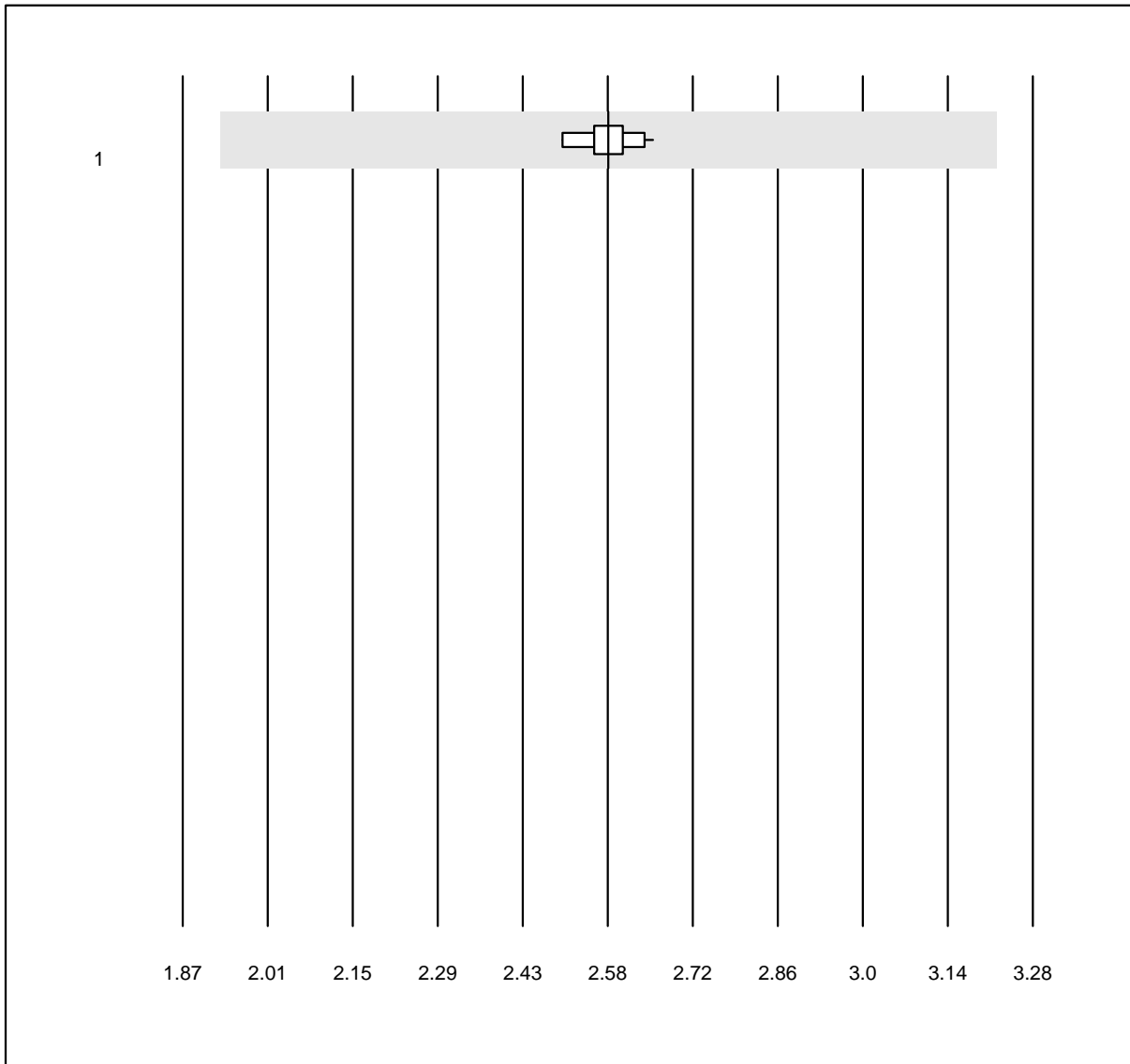


QUALAB Toleranz: 15%

IgM (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	16	93.8	6.2	0.0	0.83	6.3	e
2 Siemens	8	100.0	0.0	0.0	0.89	5.0	e
3 Turbidimetry	7	100.0	0.0	0.0	0.87	5.2	e*

Soluble transferrin receptor



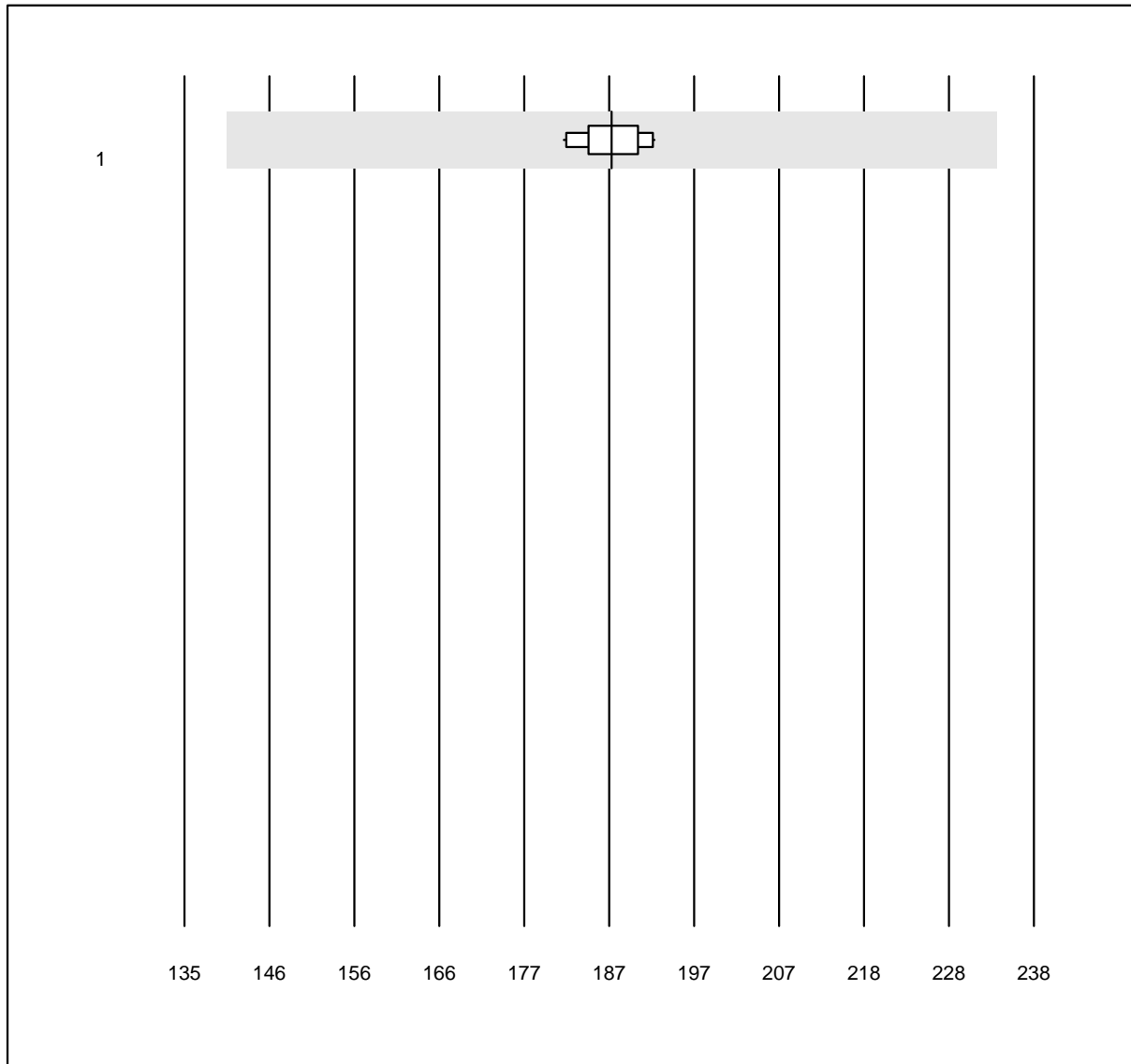
MQ Toleranz: 25%

Soluble transferrin receptor
(mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	16	100.0	0.0	0.0	2.6	1.7	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Prealbumin



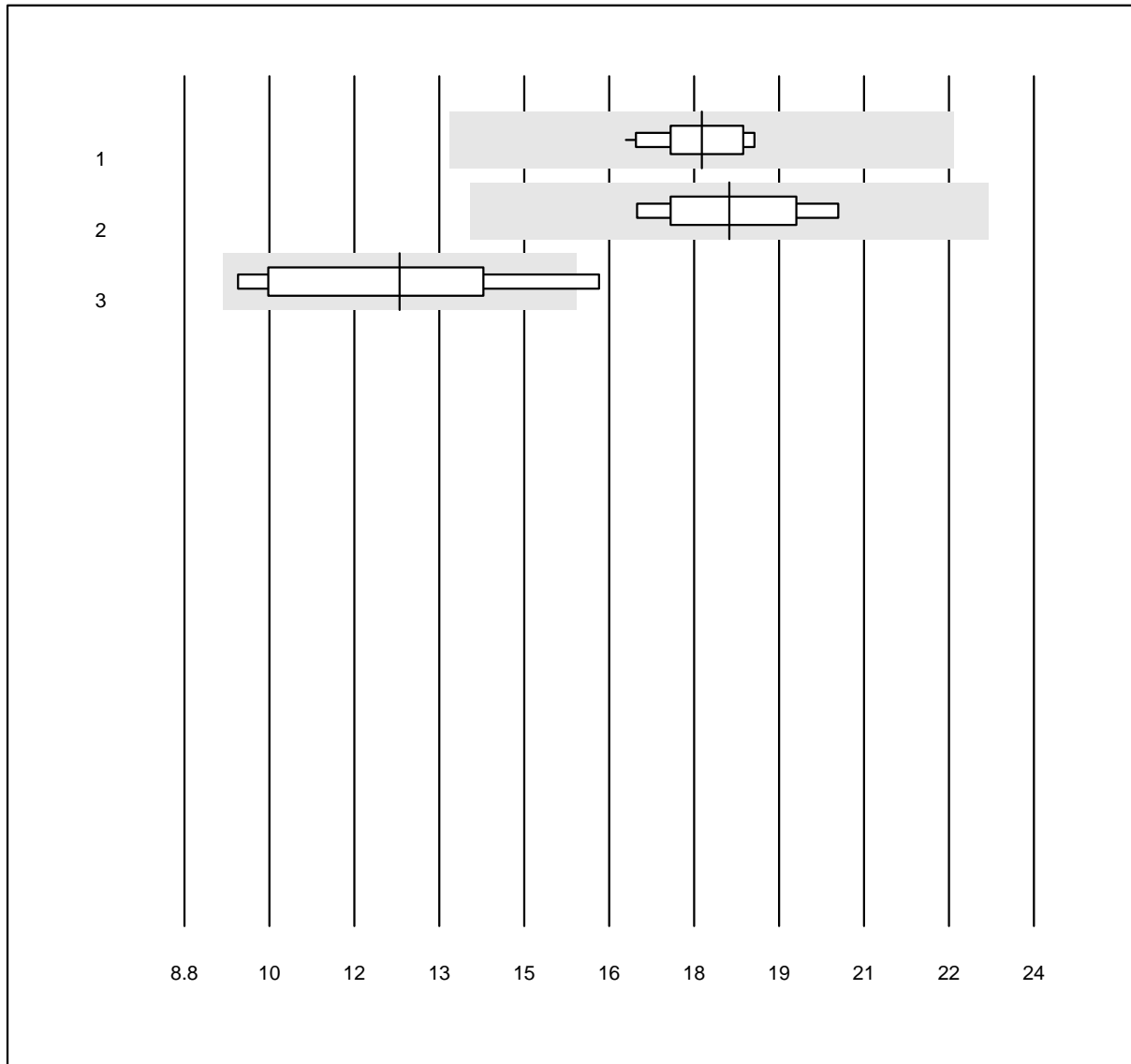
MQ Toleranz: 25%

Prealbumin (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	10	100.0	0.0	0.0	186.80	1.9	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Rheumatoid factor



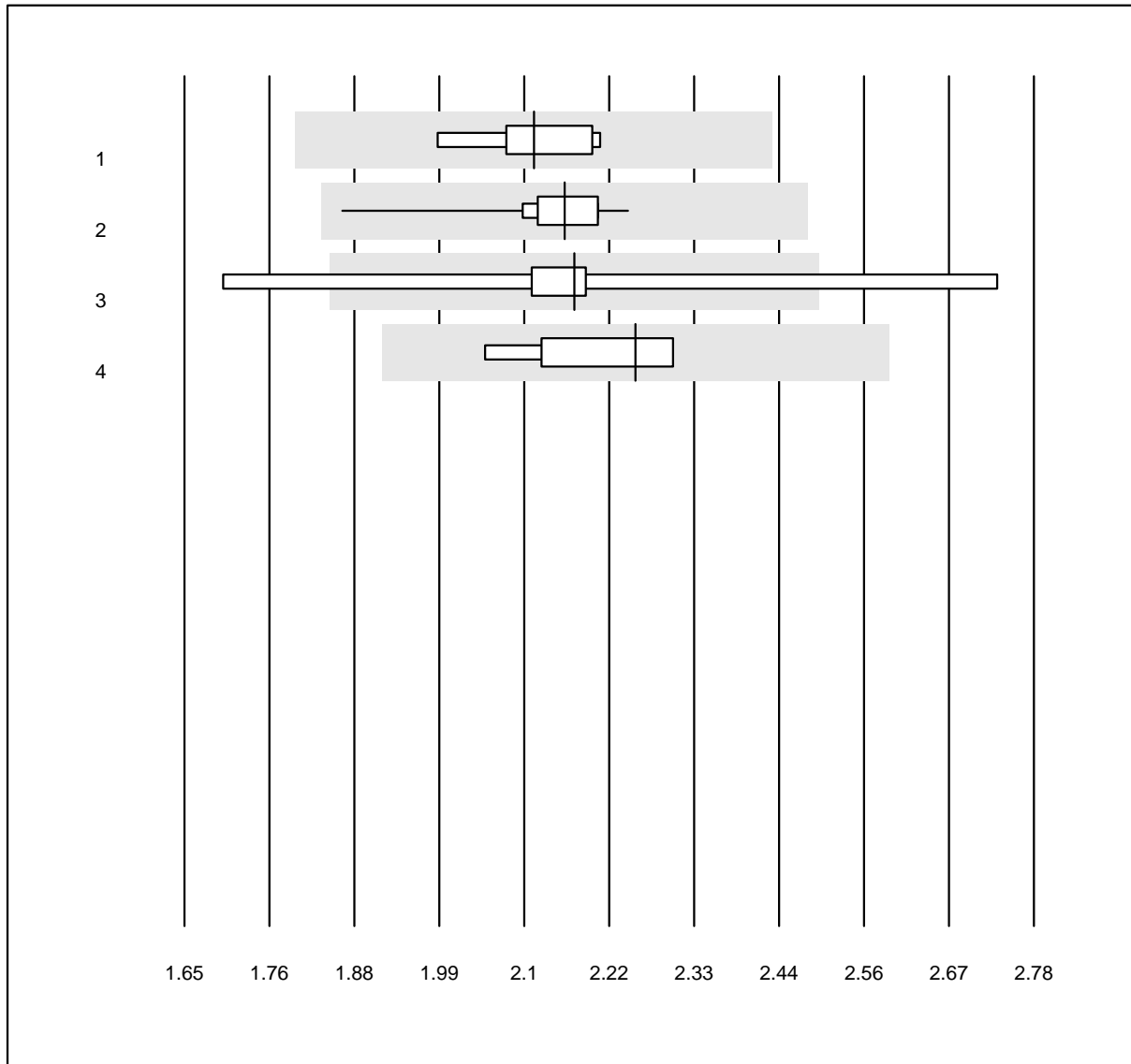
MQ Toleranz: 25%

Rheumatoid factor (U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	18.1	4.2	e
2 Siemens	4	100.0	0.0	0.0	18.6	6.3	e*
3 Other methods	5	100.0	0.0	0.0	12.7	18.1	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Transferrin

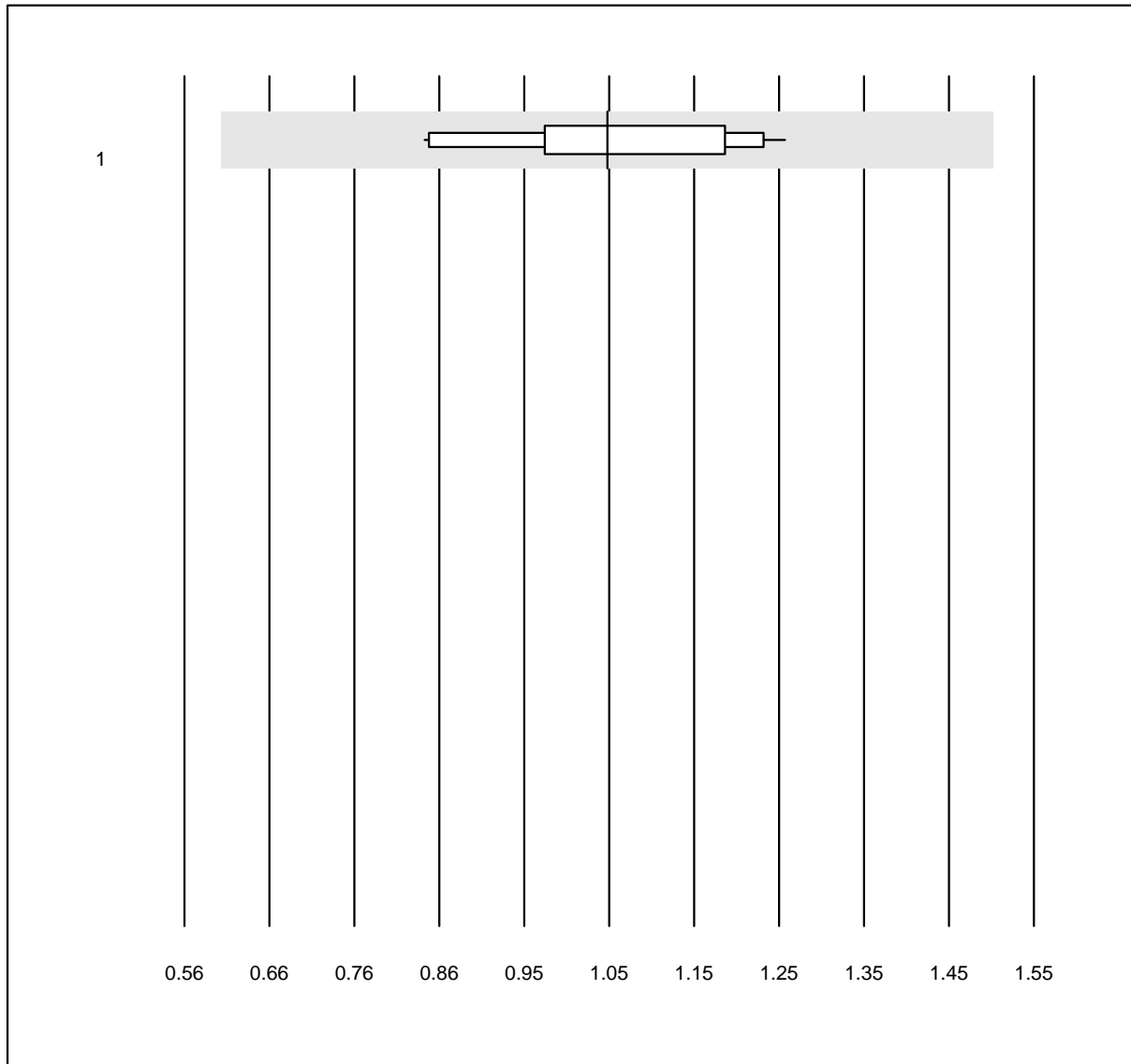


QUALAB Toleranz: 15%

Transferrin (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	2.12	3.2	e
2 Roche	29	100.0	0.0	0.0	2.16	3.3	e
3 Siemens	7	71.4	28.6	0.0	2.17	11.6	e*
4 Other methods	4	100.0	0.0	0.0	2.25	4.3	e*

IgE birch qn



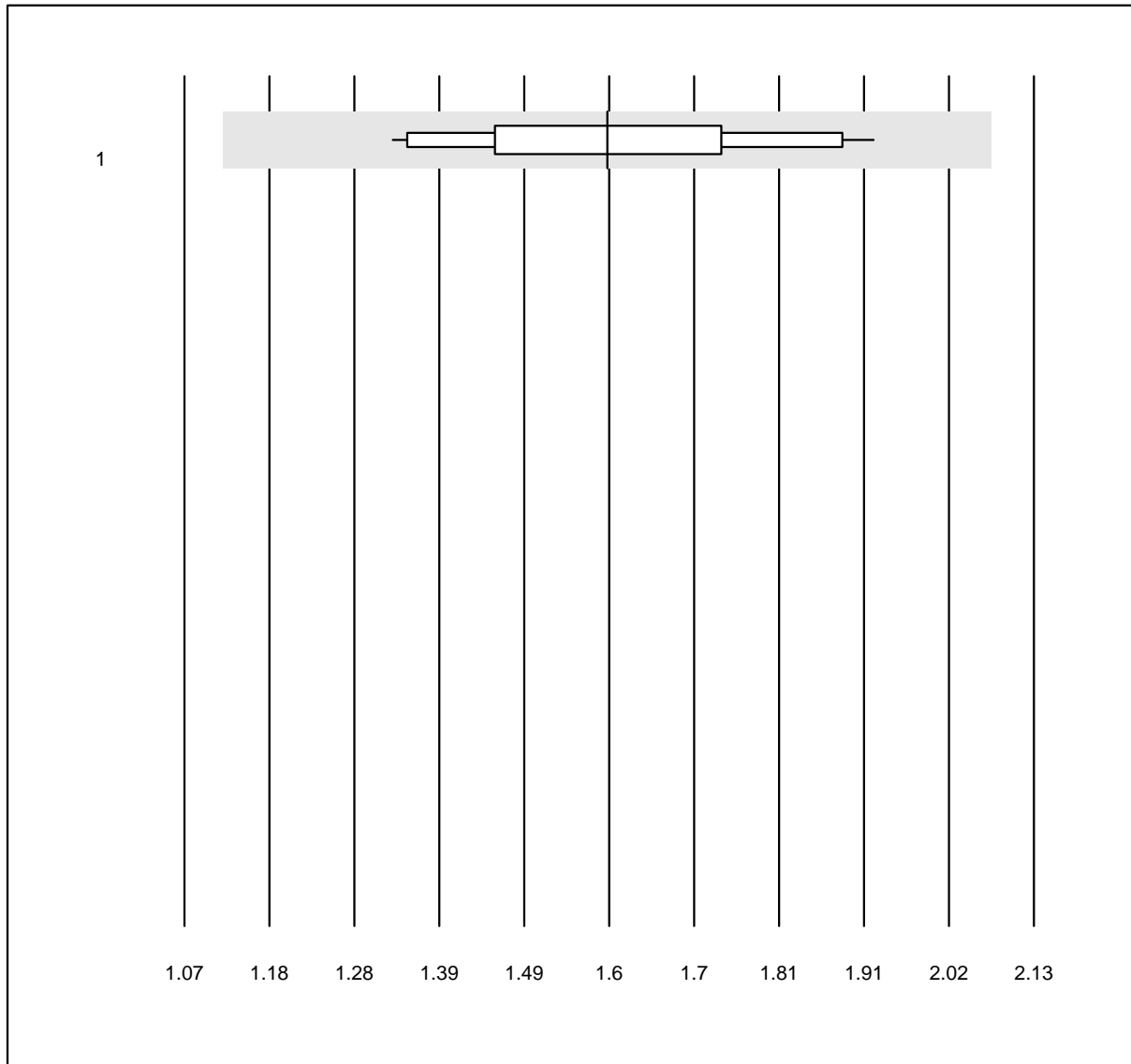
QUALAB Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE birch qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	15	93.3	0.0	6.7	1.05	12.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IgE D. pteronyssinus qn



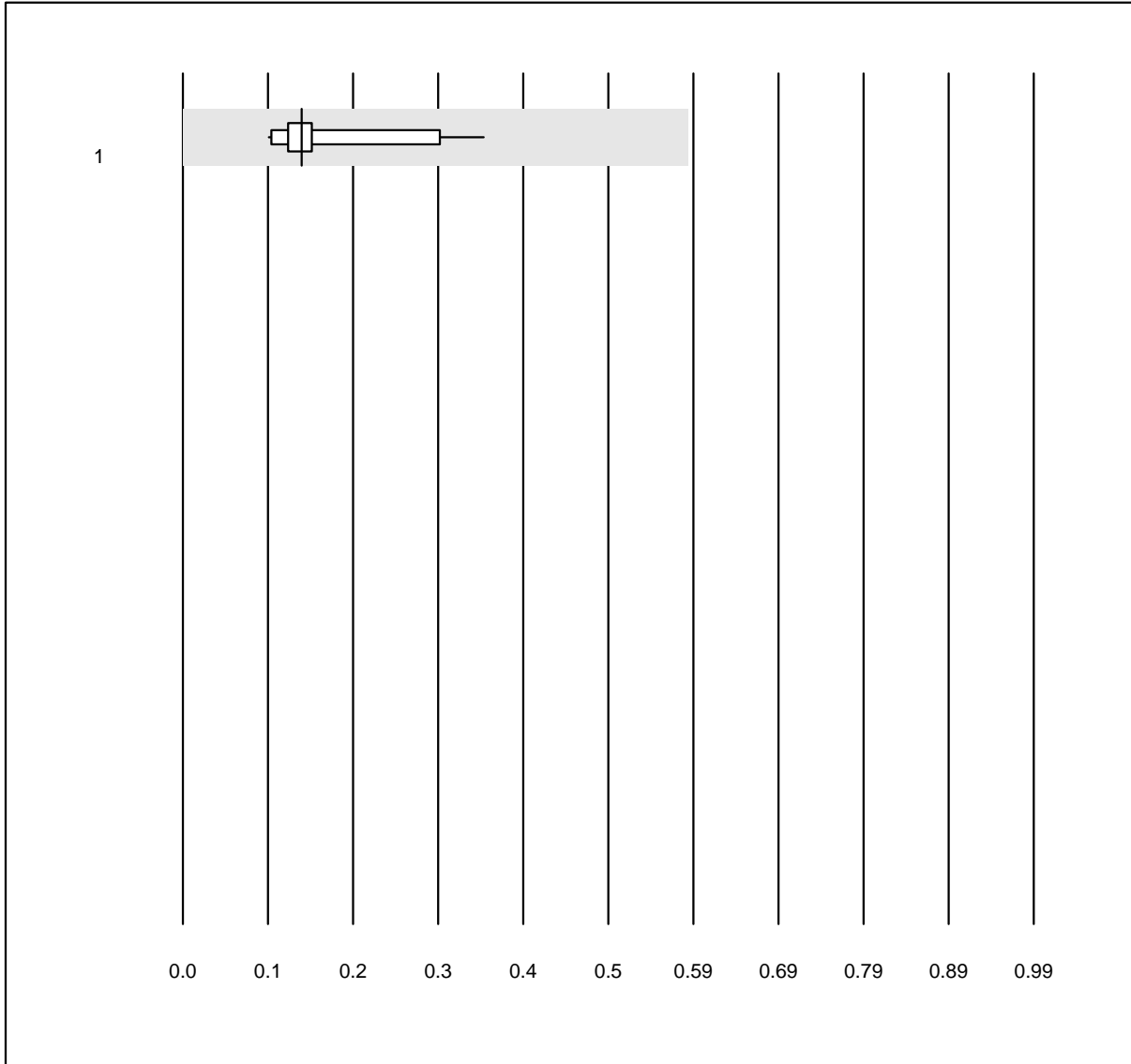
QUALAB Toleranz: 30%

IgE D. pteronyssinus qn
(kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 all Participants	12	100.0	0.0	0.0	1.60	10.9 e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IgE peanut qn



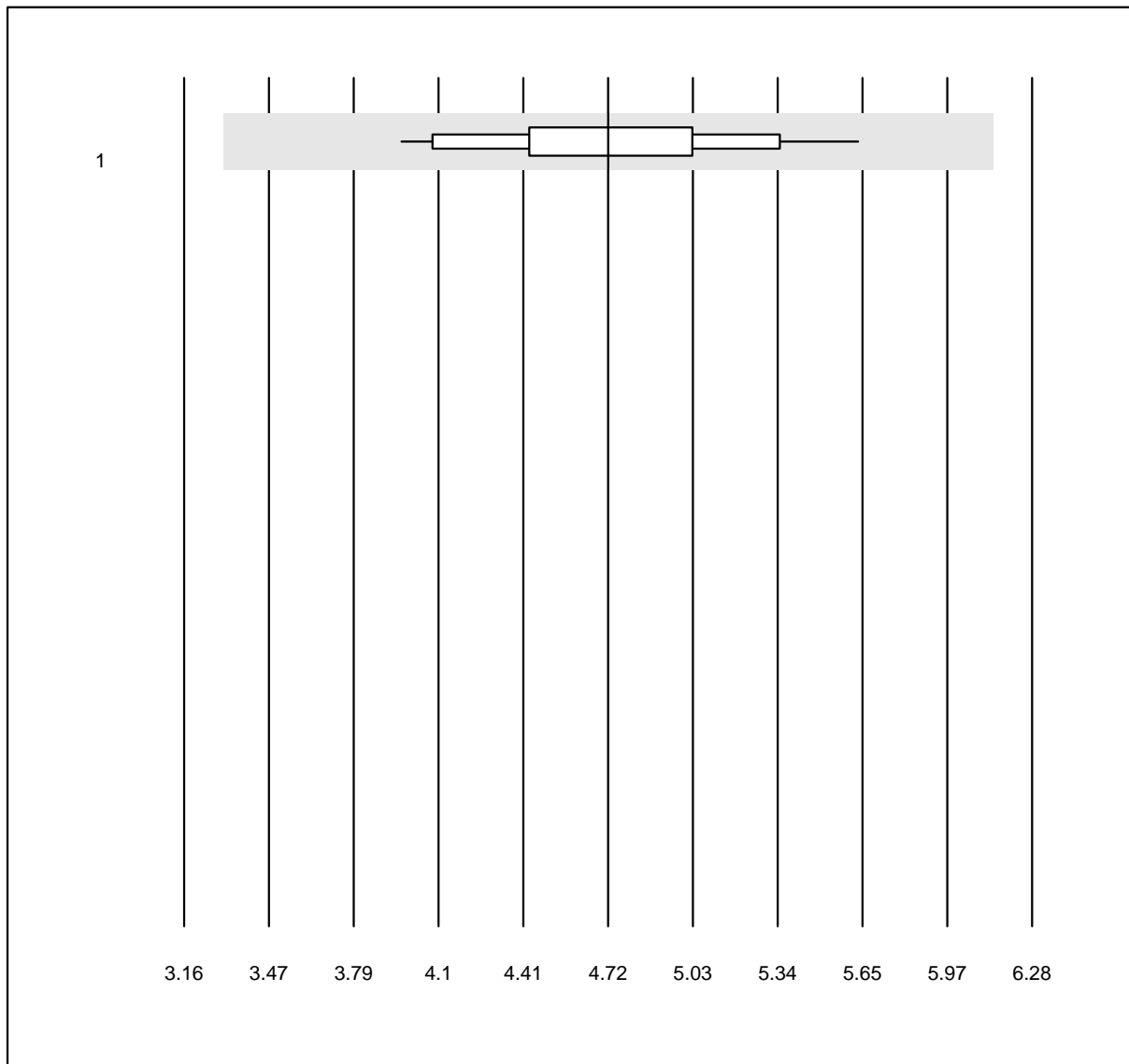
MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE peanut qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 all Participants	12	100.0	0.0	0.0	0.14	43.0 e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IgE cat qn

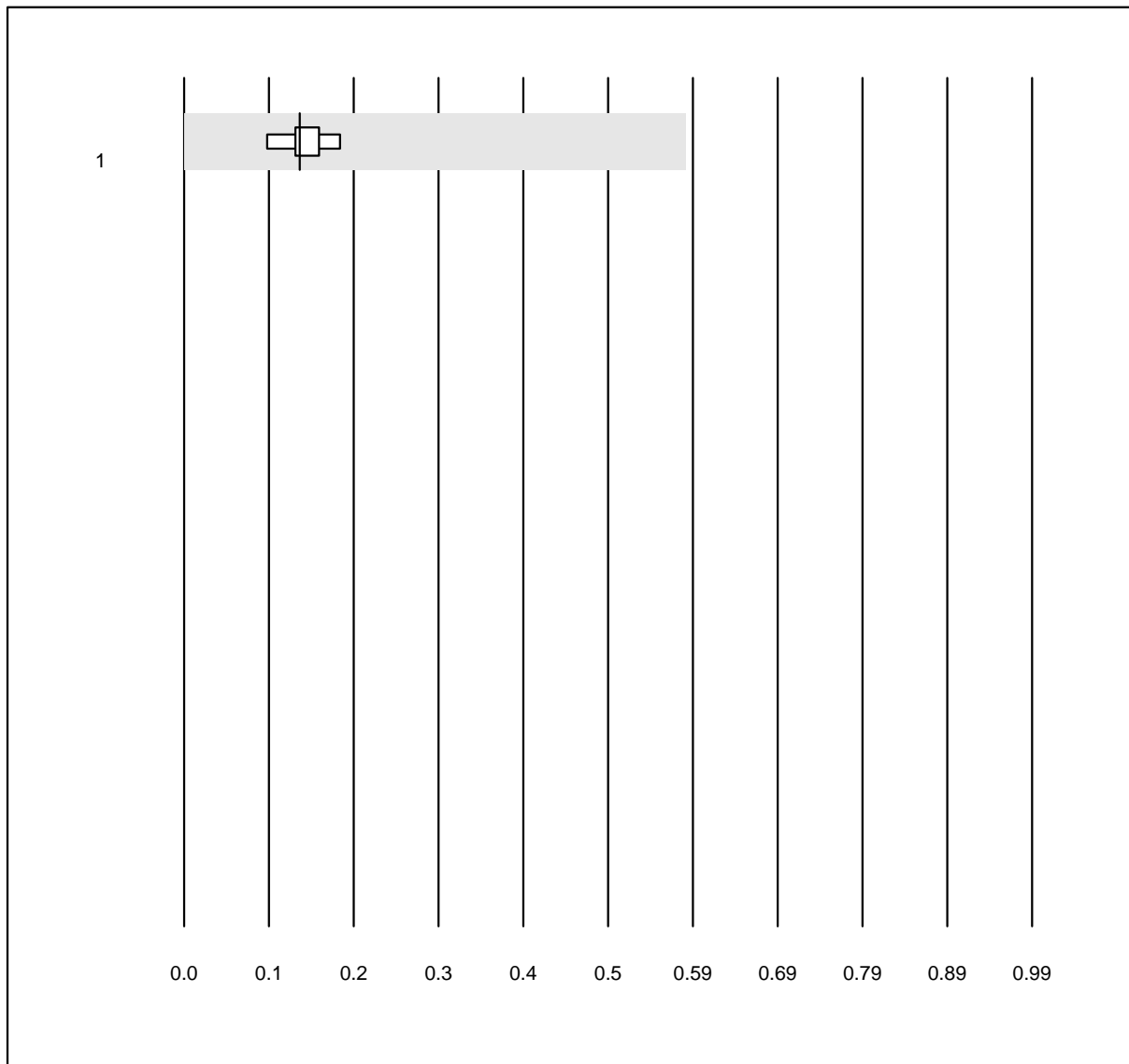


QUALAB Toleranz: 30%

IgE cat qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	15	100.0	0.0	0.0	4.72	9.1	e
1 additional results were submitted but not published because the method groups were too small. (< results per group)							

IgE fx5 qn

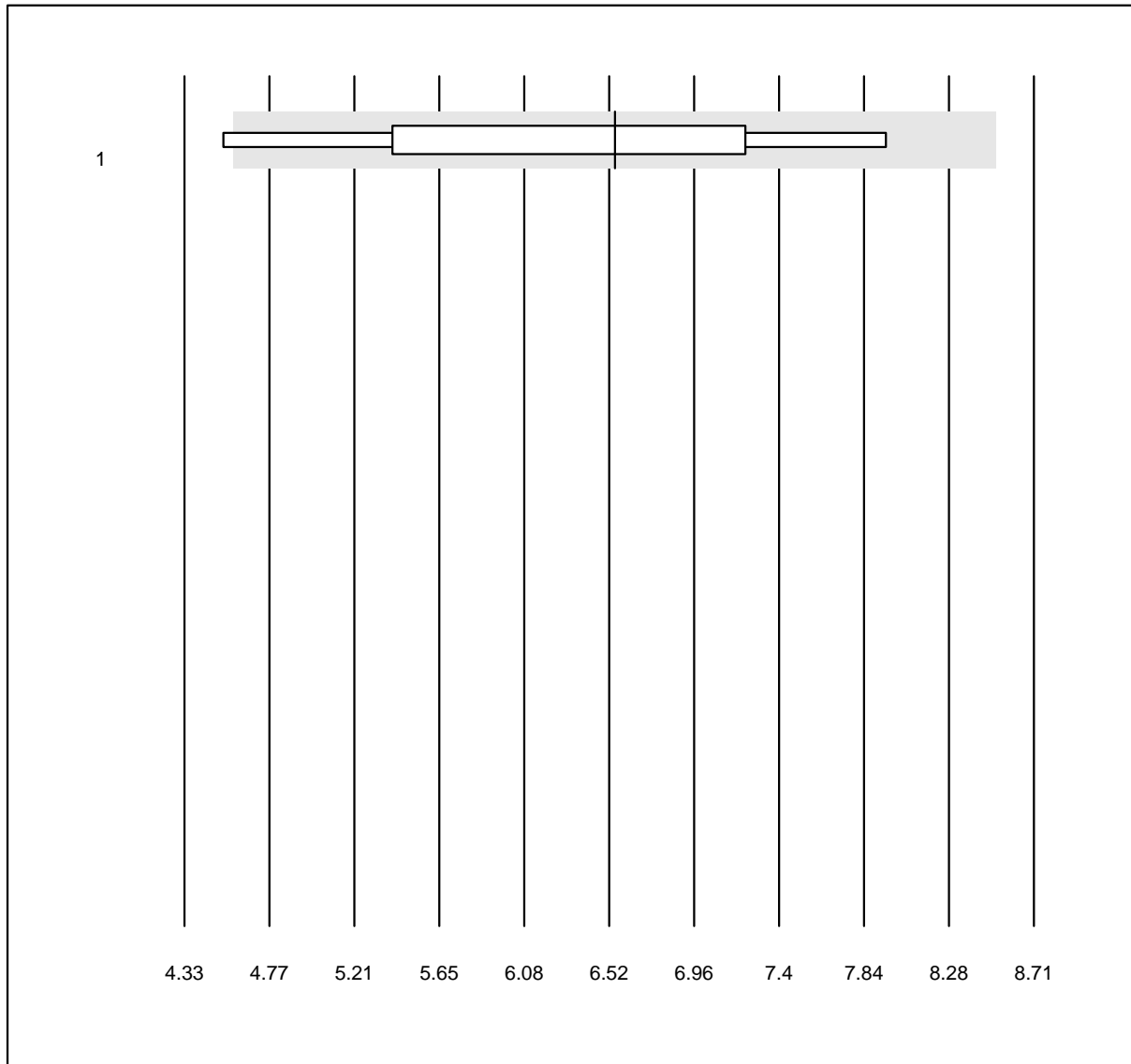


MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

IgE fx5 qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	8	100.0	0.0	0.0	0.14	17.1	e

IgE rx1qn

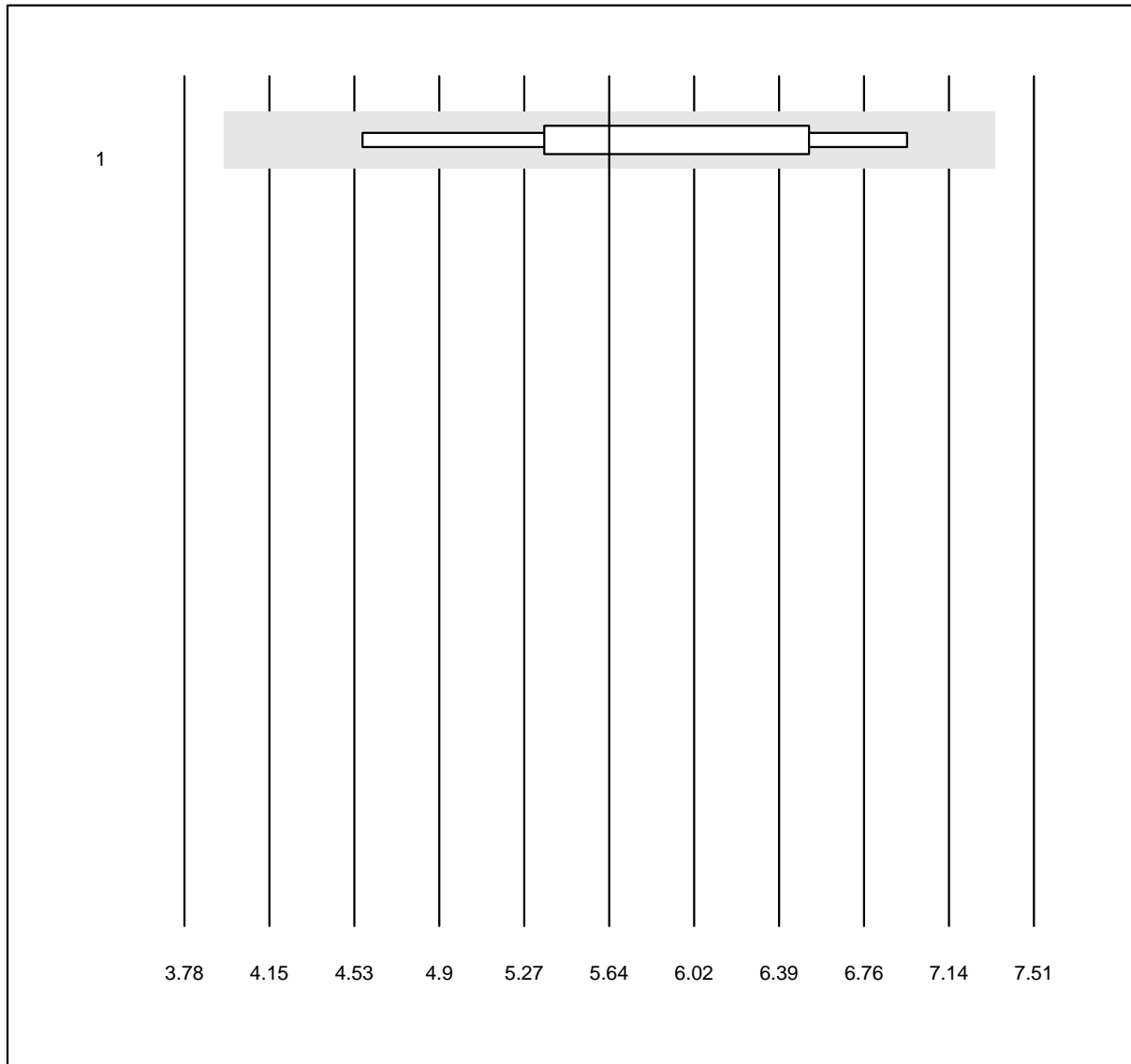


MQ Toleranz: 30%

IgE rx1qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 all Participants	6	100.0	0.0	0.0	6.55	16.7 e*

IgE rx2 qn

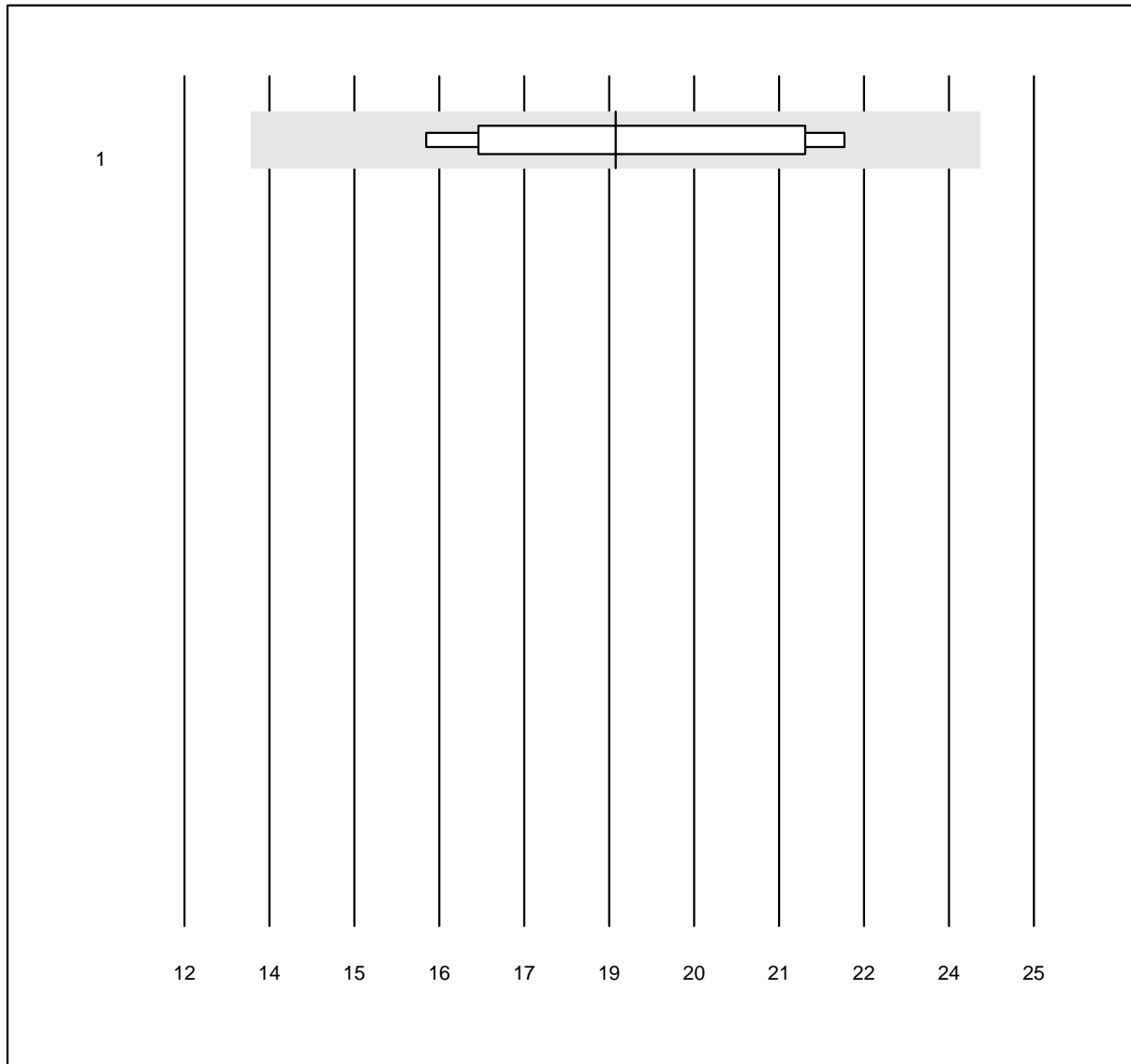


MQ Toleranz: 30%

IgE rx2 qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	6	100.0	0.0	0.0	5.64	12.4	e*

IgE sx1 qn

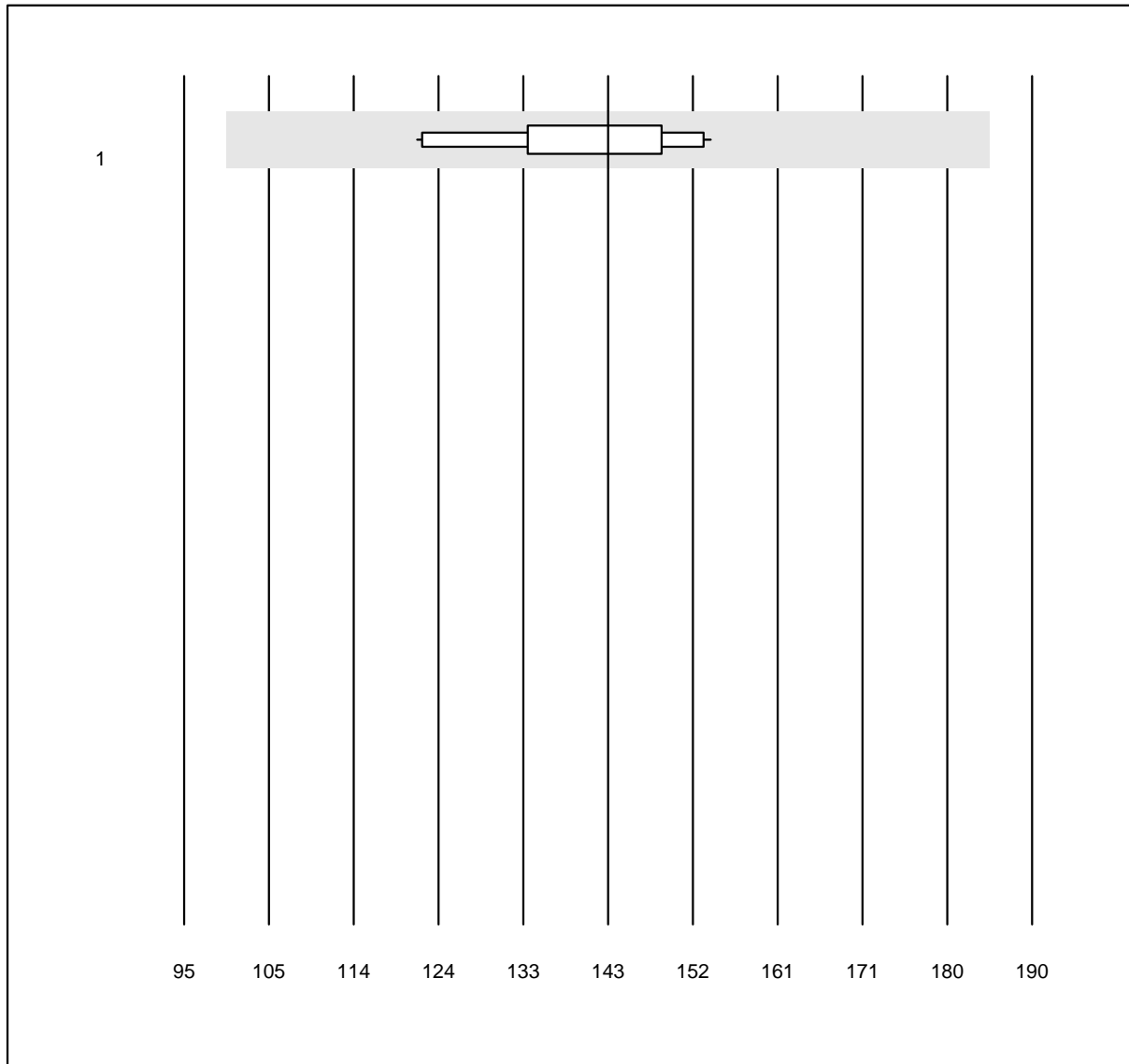


MQ Toleranz: 30%

IgE sx1 qn (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	9	100.0	0.0	0.0	18.60	13.0	e*

I03 Allergology

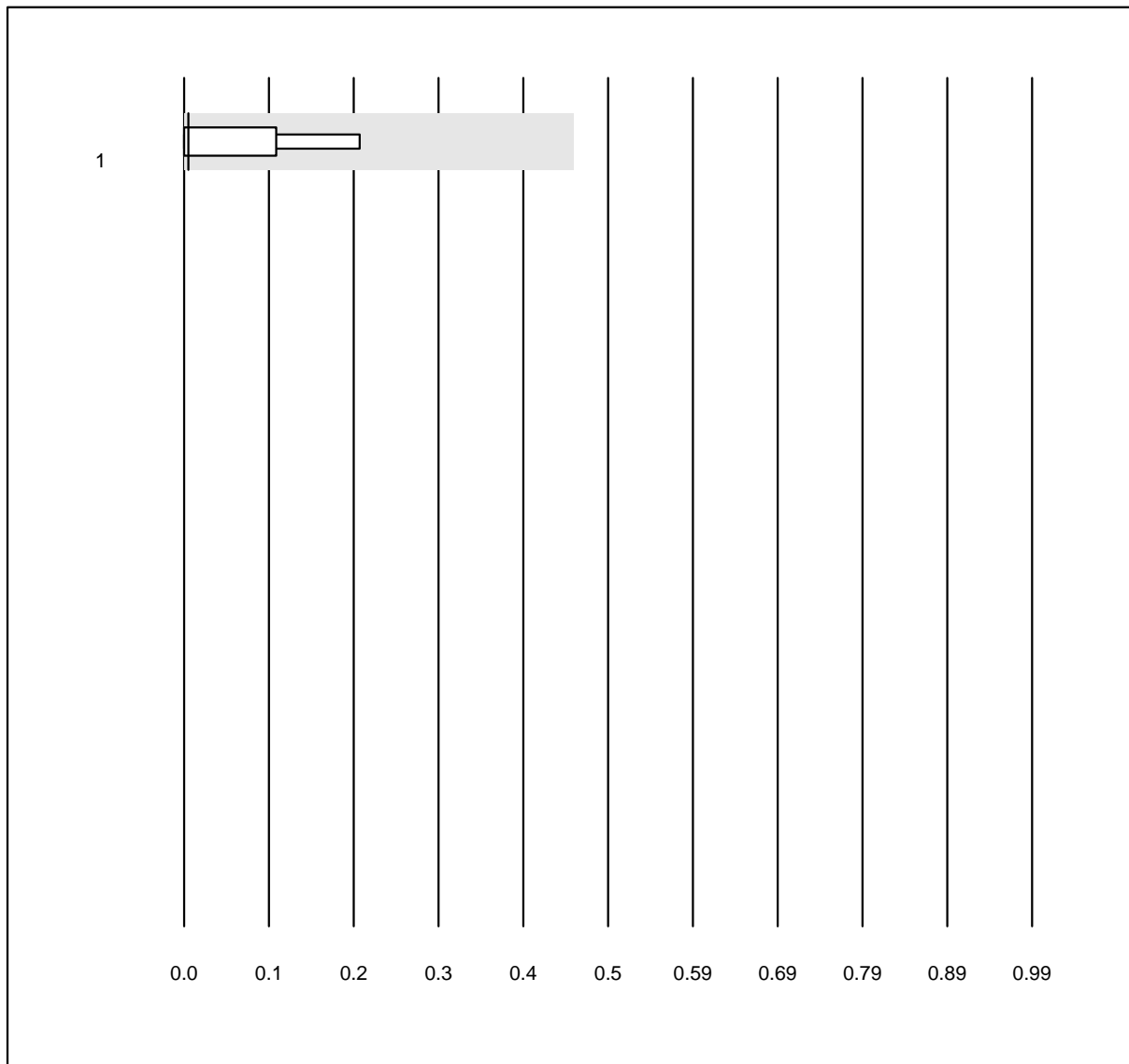


QUALAB Toleranz: 30%

(kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	14	92.9	0.0	7.1	143	7.4	e

W6 Mugwort

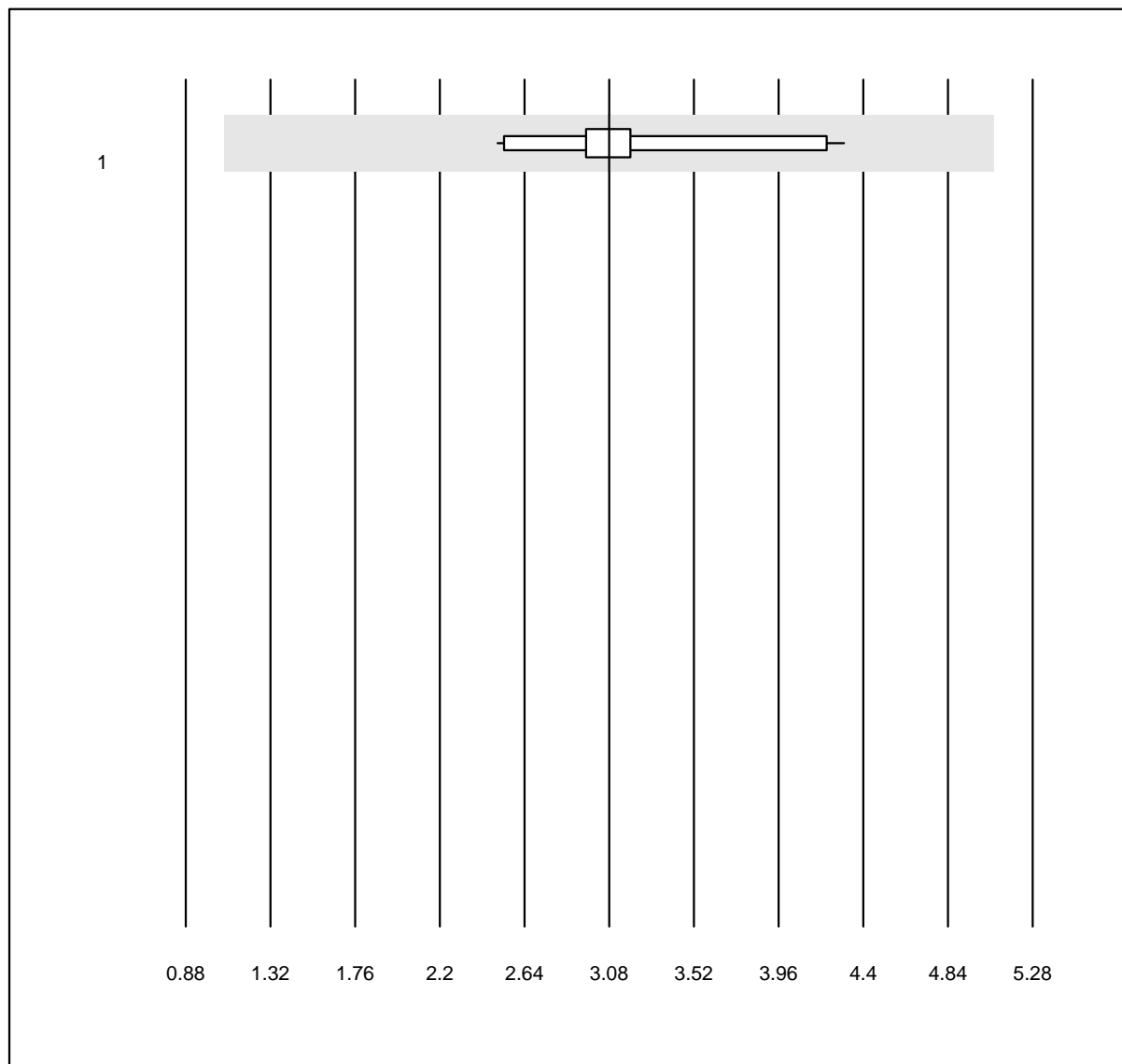


MQ Toleranz: 30%
(< 1.5: +/- 0.45 kU/L)

W6 Mugwort (kU/L)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 AllergyScreen	4	100.0	0.0	0.0	0.01	182.7 e

CRP HS



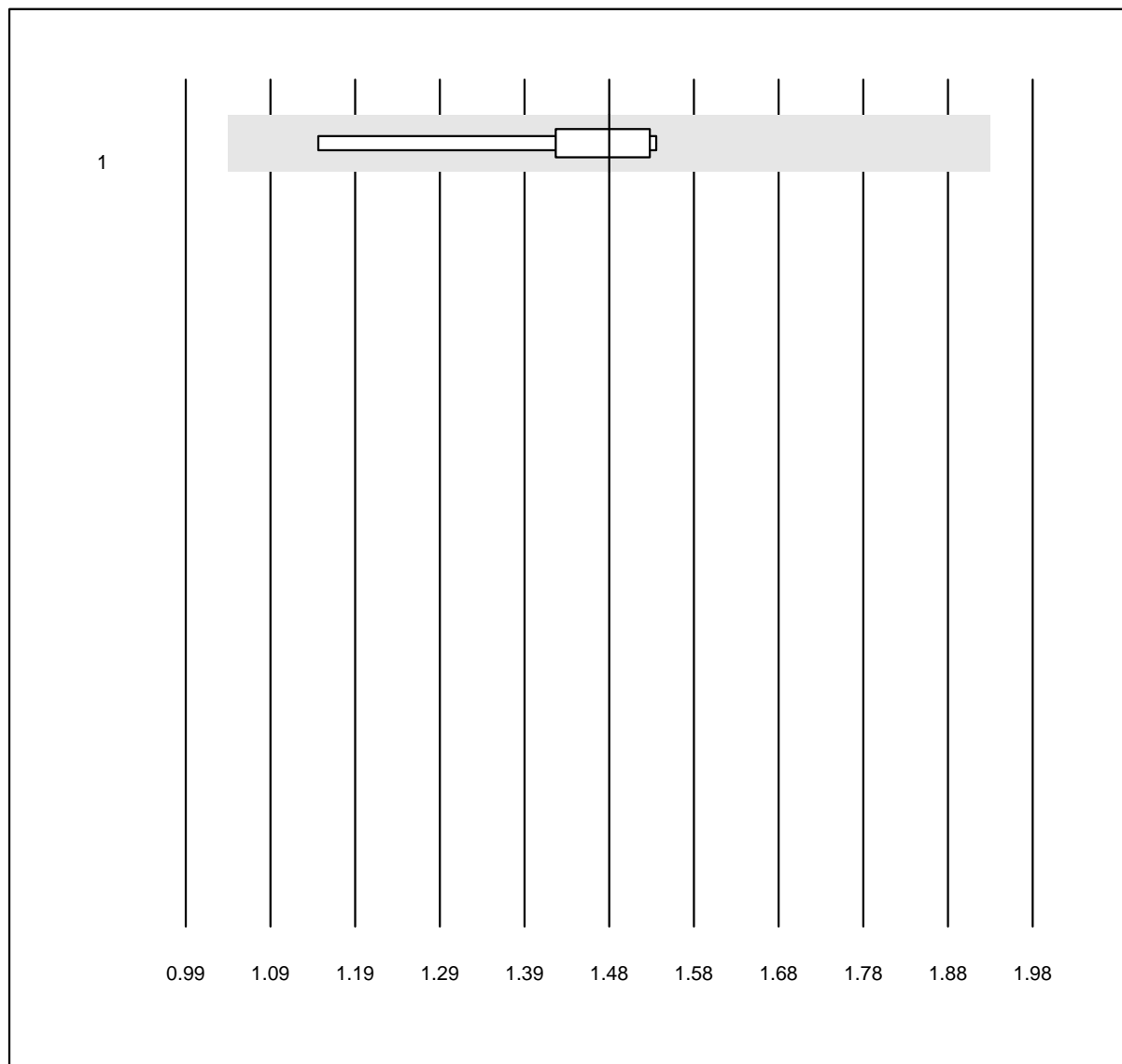
QUALAB Toleranz: 21%
(< 10.0: +/- 2.0 mg/l)

CRP HS (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Turbidimetry	10	100.0	0.0	0.0	3.08	14.8	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Apolipoprotein A1

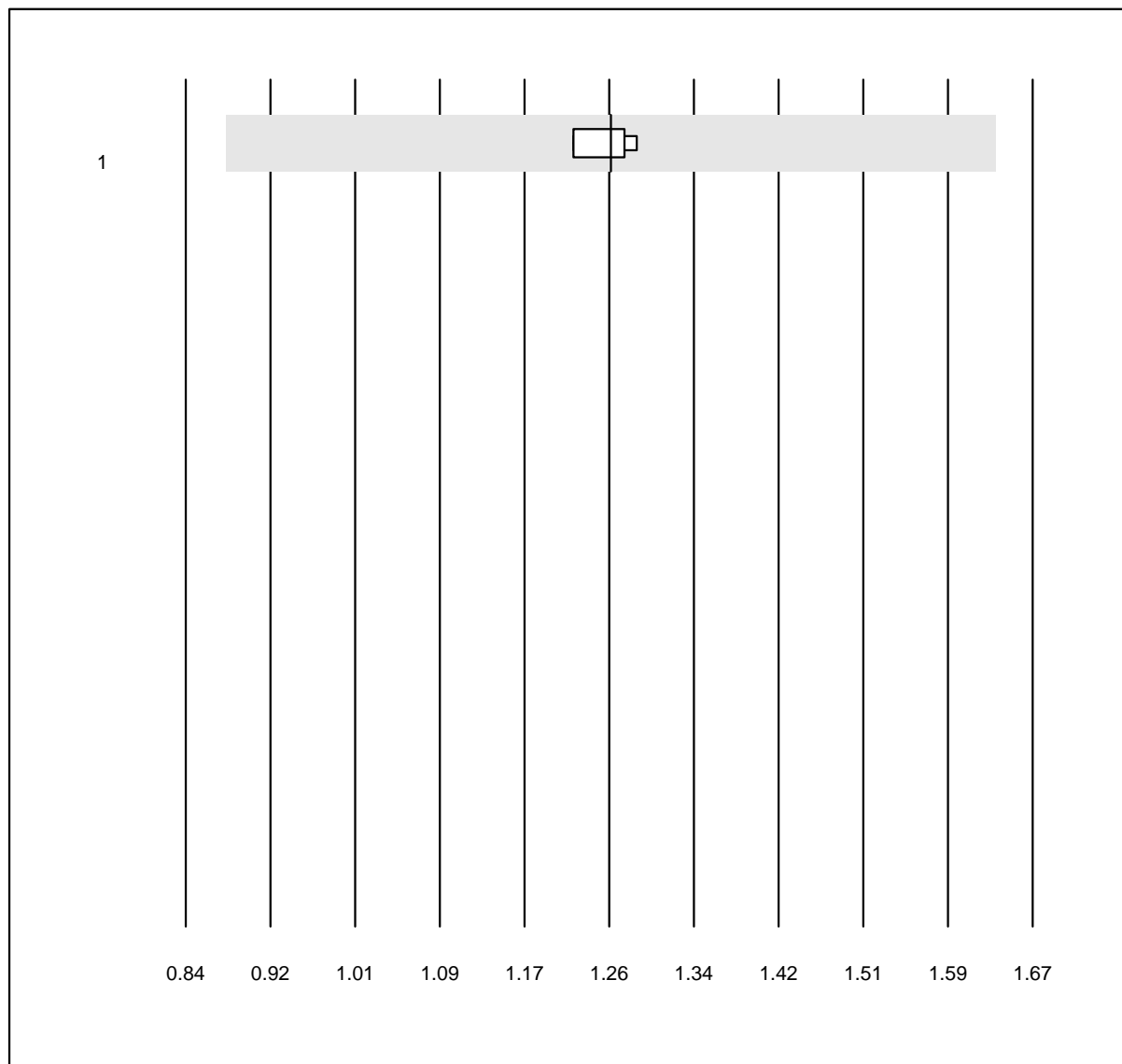


MQ Toleranz: 30%

Apolipoprotein A1 (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Alinity	8	100.0	0.0	0.0	1.49	8.4	e

Apolipoprotein B

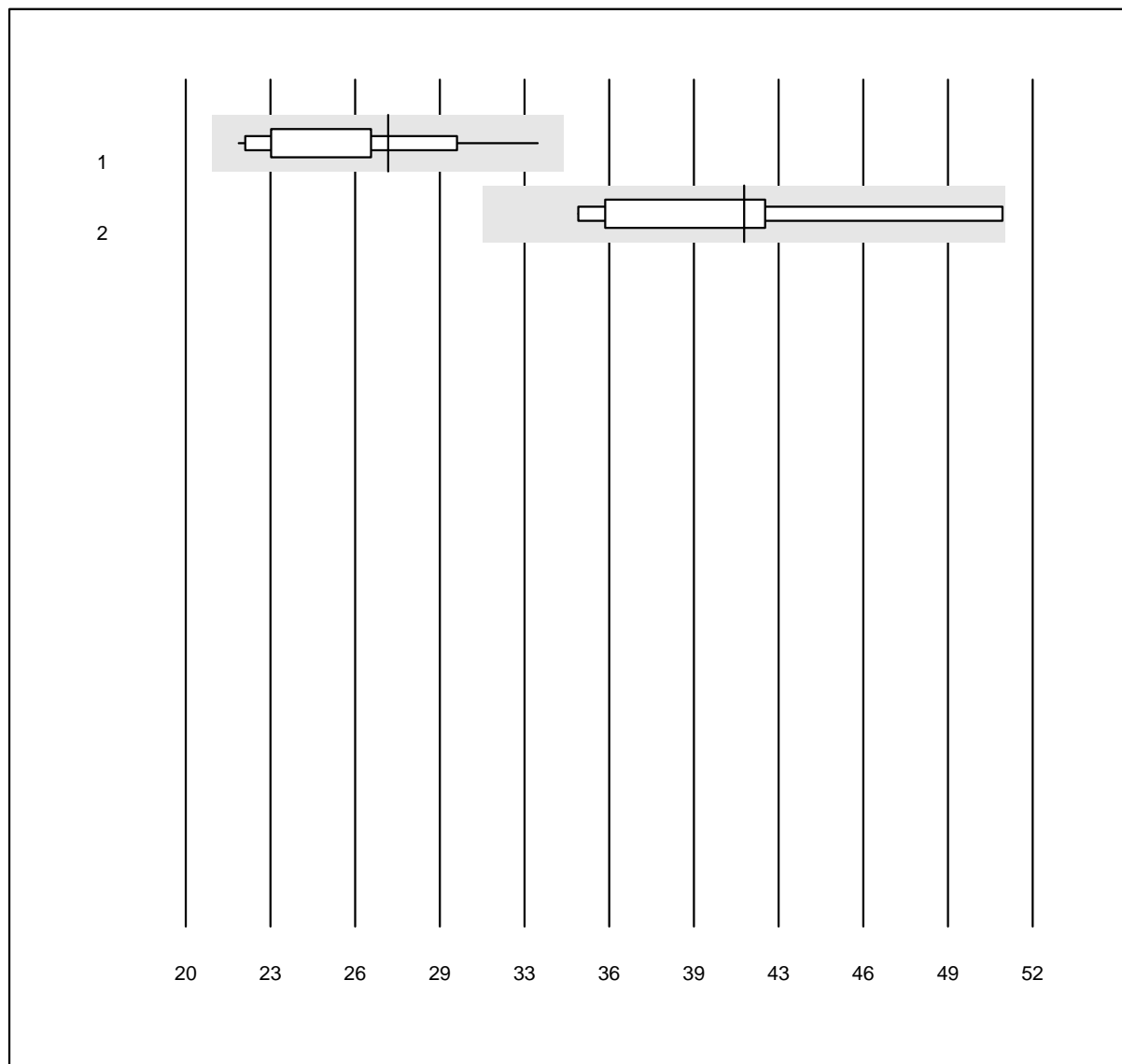


MQ Toleranz: 30%

Apolipoprotein B (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Alinity	7	100.0	0.0	0.0	1.3	1.9	e

Lipoprotein (a)

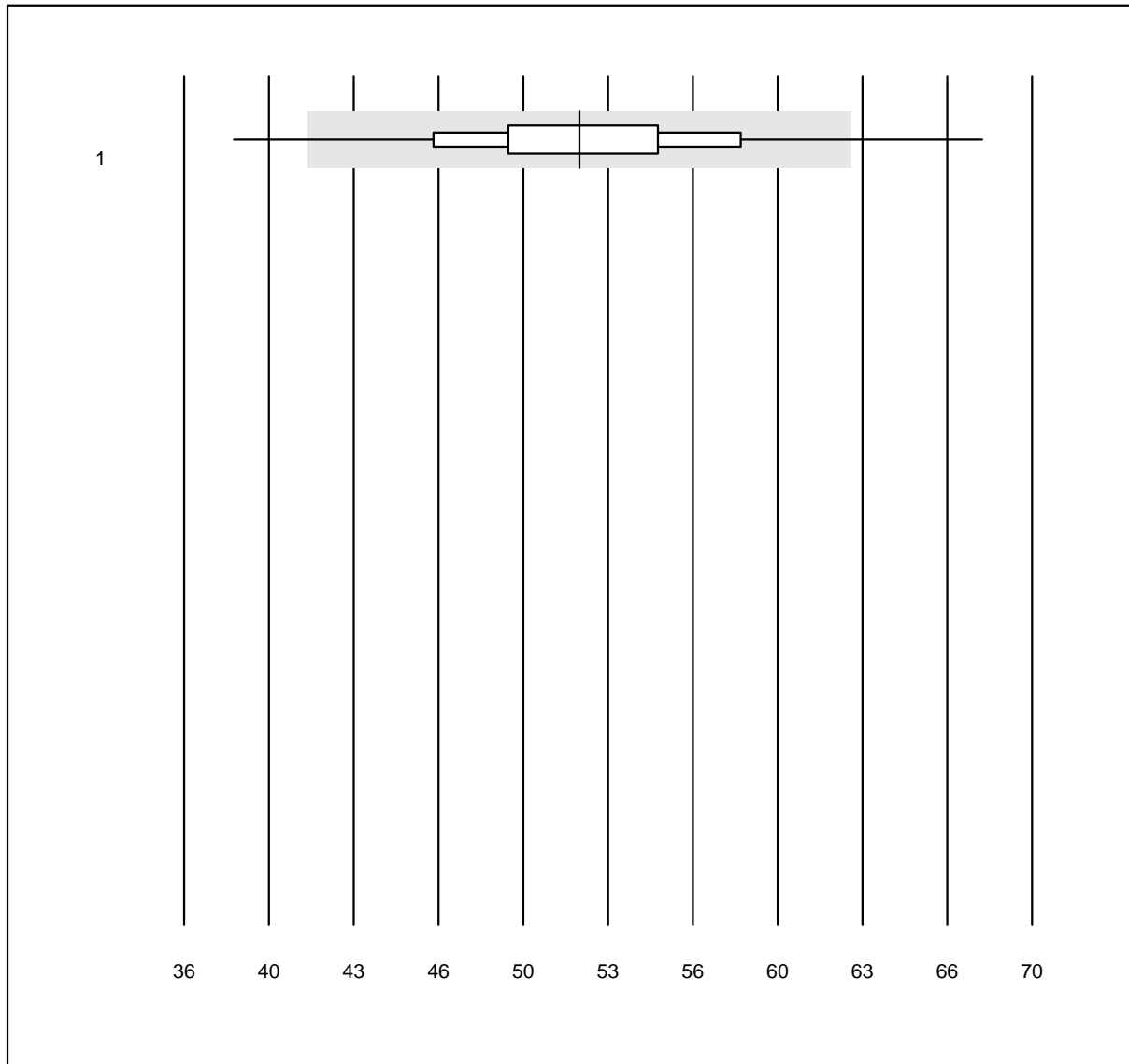


QUALAB Toleranz: 24%

Lipoprotein (a) (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	14	100.0	0.0	0.0	28	11.3	a*
2 Others	9	100.0	0.0	0.0	41	12.4	a*

CRP

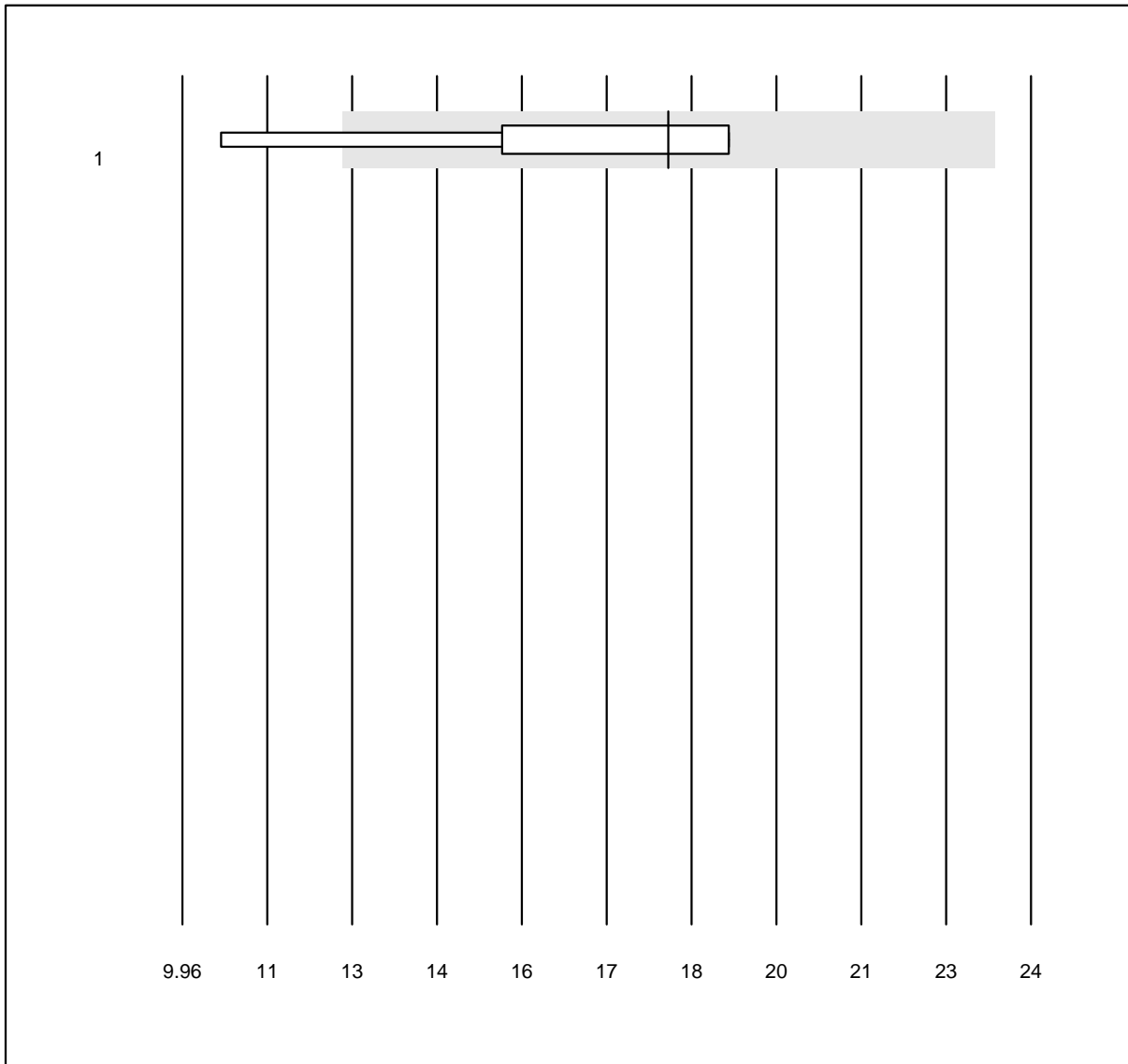


QUALAB Toleranz: 21%

CRP (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 AFIAS	238	95.8	2.9	1.3	51.9	9.7	e

Anti deam. Gliadin IgA



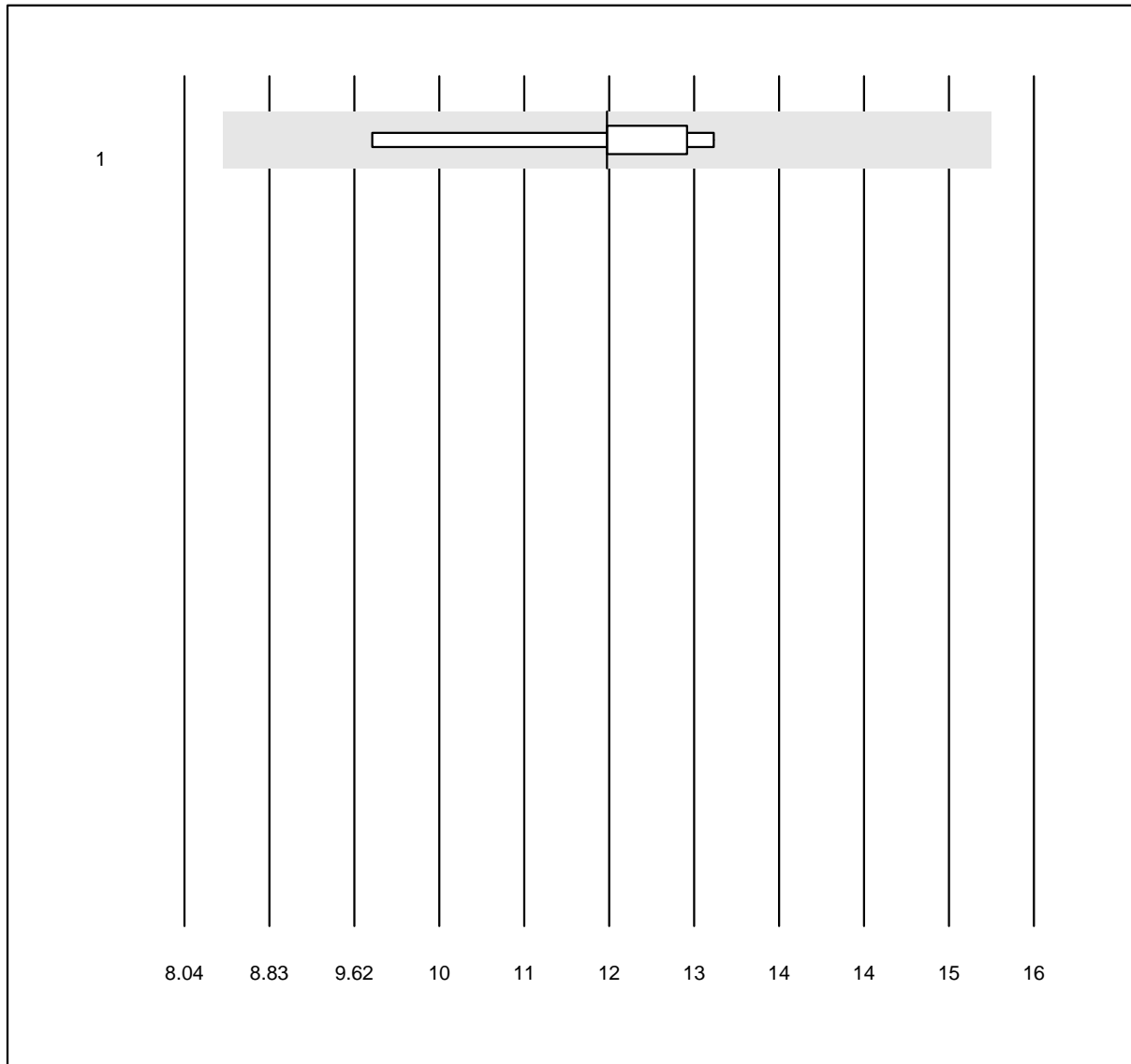
MQ Toleranz: 30%

Anti deam. Gliadin IgA
(U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Phadia	8	87.5	12.5	0.0	18.00	16.6	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti deam. Gliadin IgG



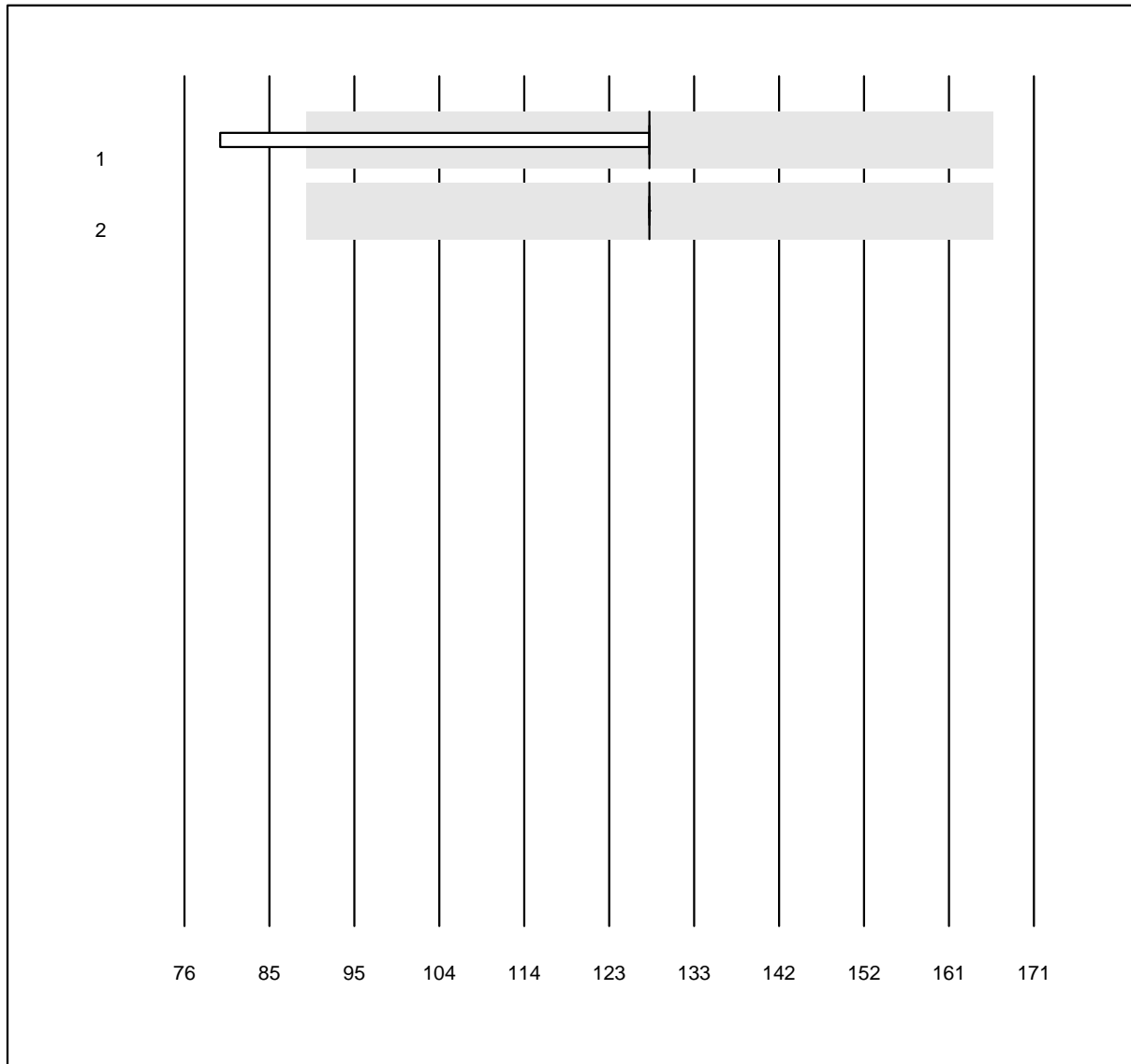
MQ Toleranz: 30%

Anti deam. Gliadin IgG
(U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Phadia	8	100.0	0.0	0.0	12.00	7.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti tTG IgA



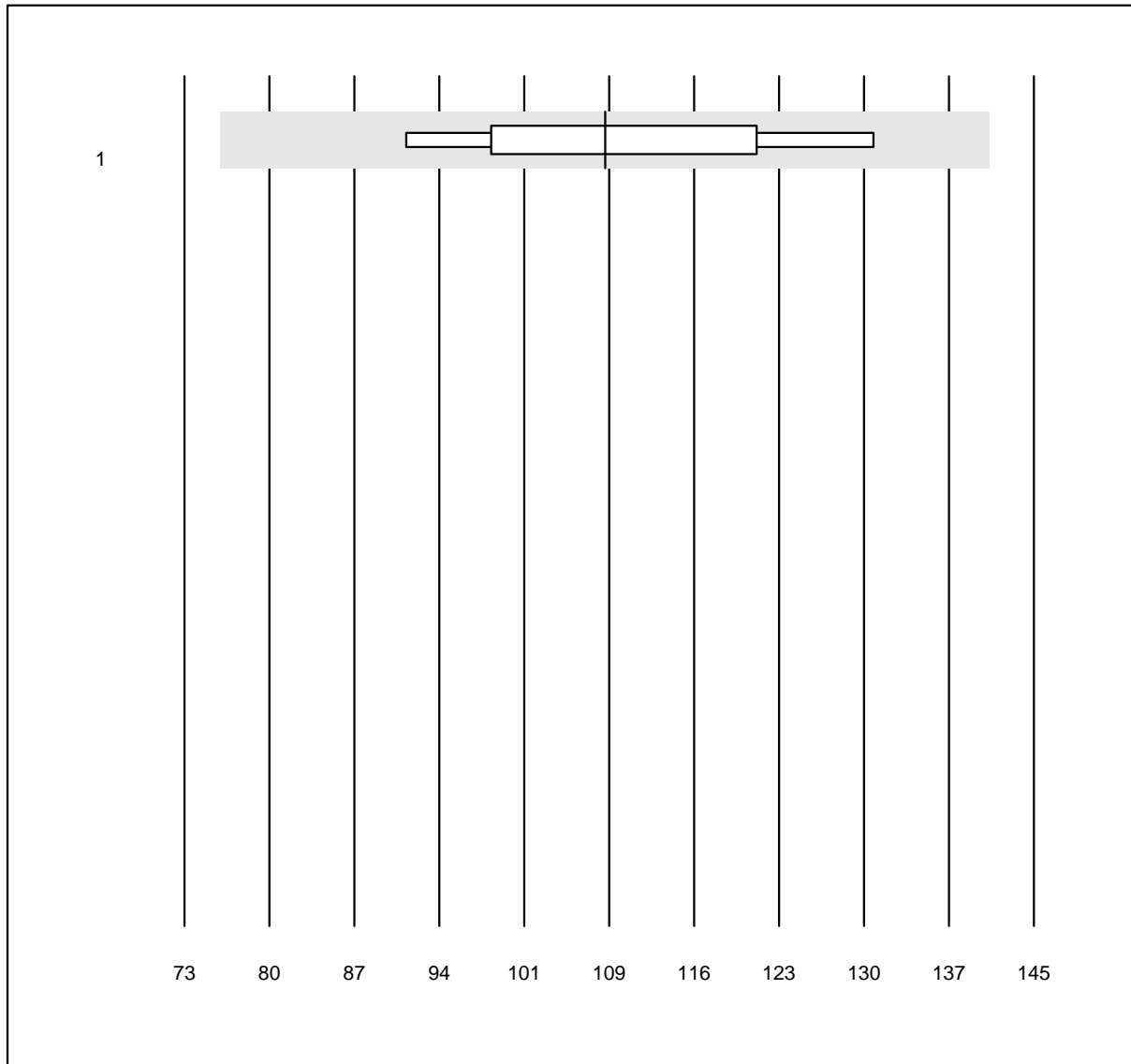
MQ Toleranz: 30%

Anti tTG IgA (U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Phadia	9	88.9	11.1	0.0	128.00	13.0	e*
2 Other methods	6	83.3	0.0	16.7	128.00	0.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti tTG IgG

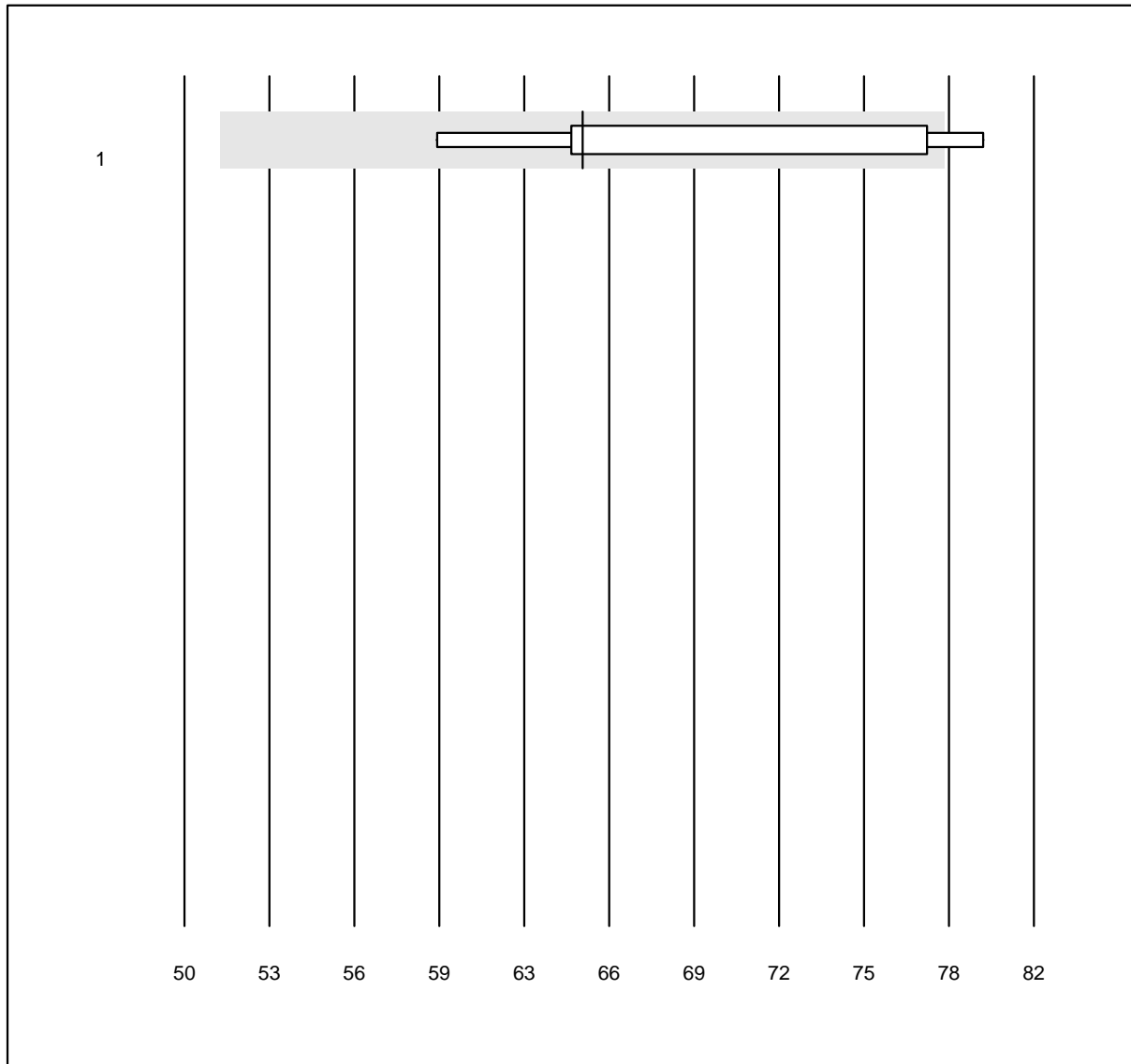


MQ Toleranz: 30%

Anti tTG IgG (U/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	108.67	11.2	e*

CRP Lumira

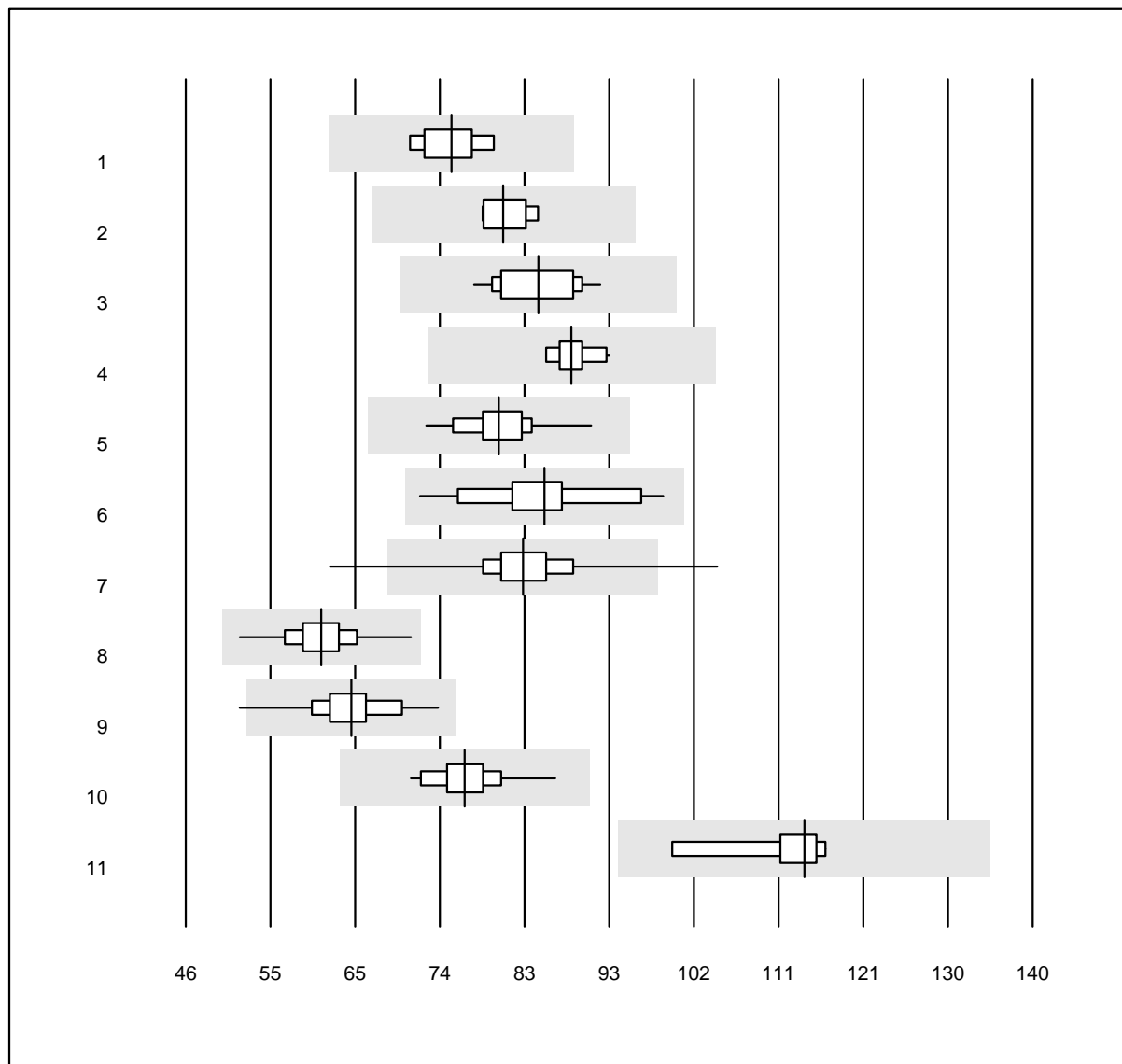


QUALAB Toleranz: 21%

CRP Lumira (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Lumira Dx	18	44.4	11.1	44.4	65.0	11.1	a*

Alanine aminotransferase 1



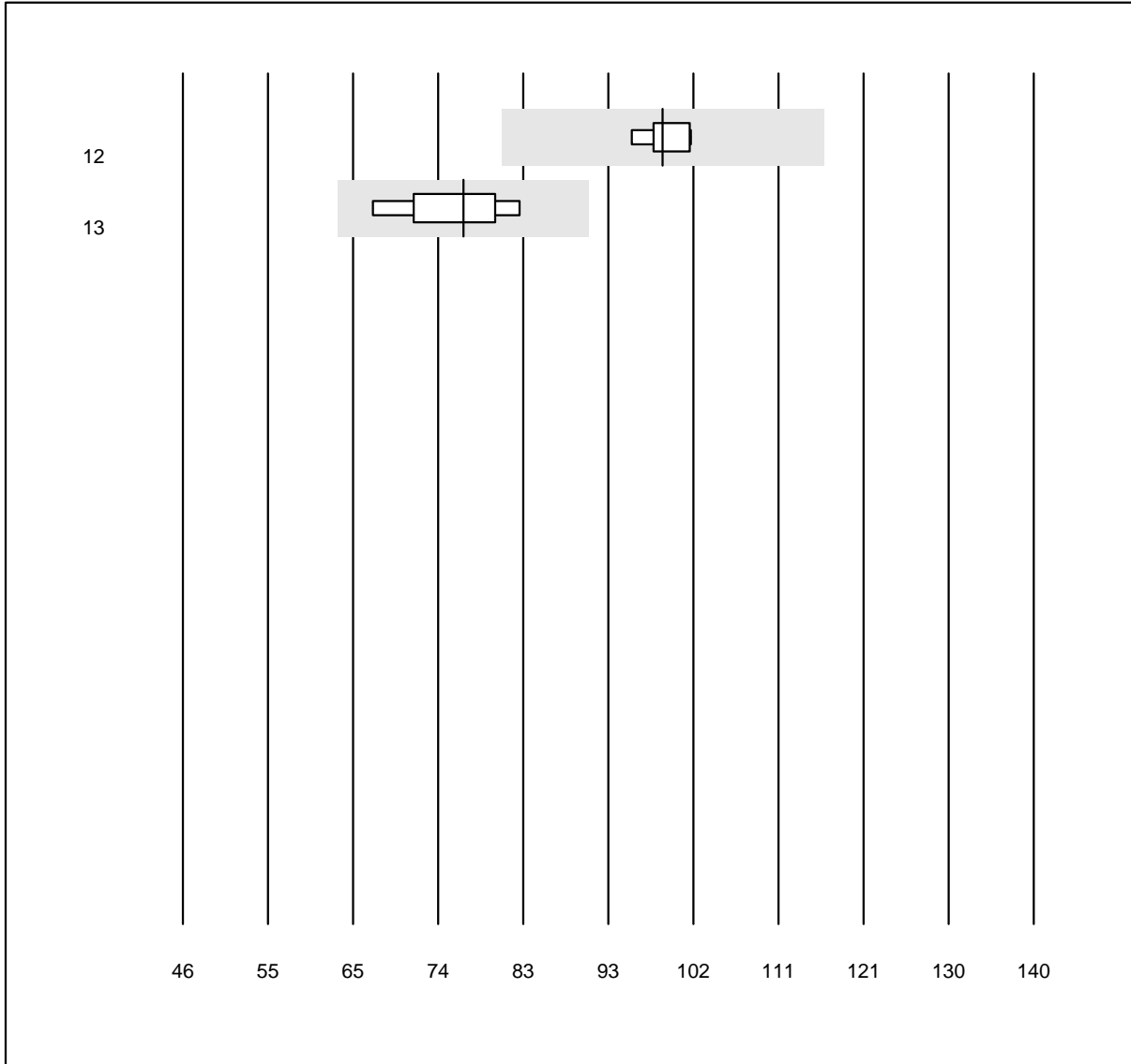
QUALAB Toleranz: 18%

Alanine aminotransferase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	76	4.0	e
2 Beckman	5	100.0	0.0	0.0	81	3.0	e
3 Roche	50	100.0	0.0	0.0	85	4.8	e
4 Siemens	10	100.0	0.0	0.0	89	2.3	e
5 Autolyser	23	100.0	0.0	0.0	81	4.6	e
6 Selectra Pro	17	94.1	0.0	5.9	86	7.5	e
7 Fuji Dri-Chem	1196	98.6	0.6	0.8	83	4.9	e
8 Spotchem D-Concept	652	99.4	0.0	0.6	61	5.0	e
9 Spotchem SP-4430	130	97.7	0.8	1.5	64	5.6	e
10 Piccolo	73	95.9	0.0	4.1	77	4.4	e
11 Seamaty	9	100.0	0.0	0.0	115	4.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Alanine aminotransferase 2



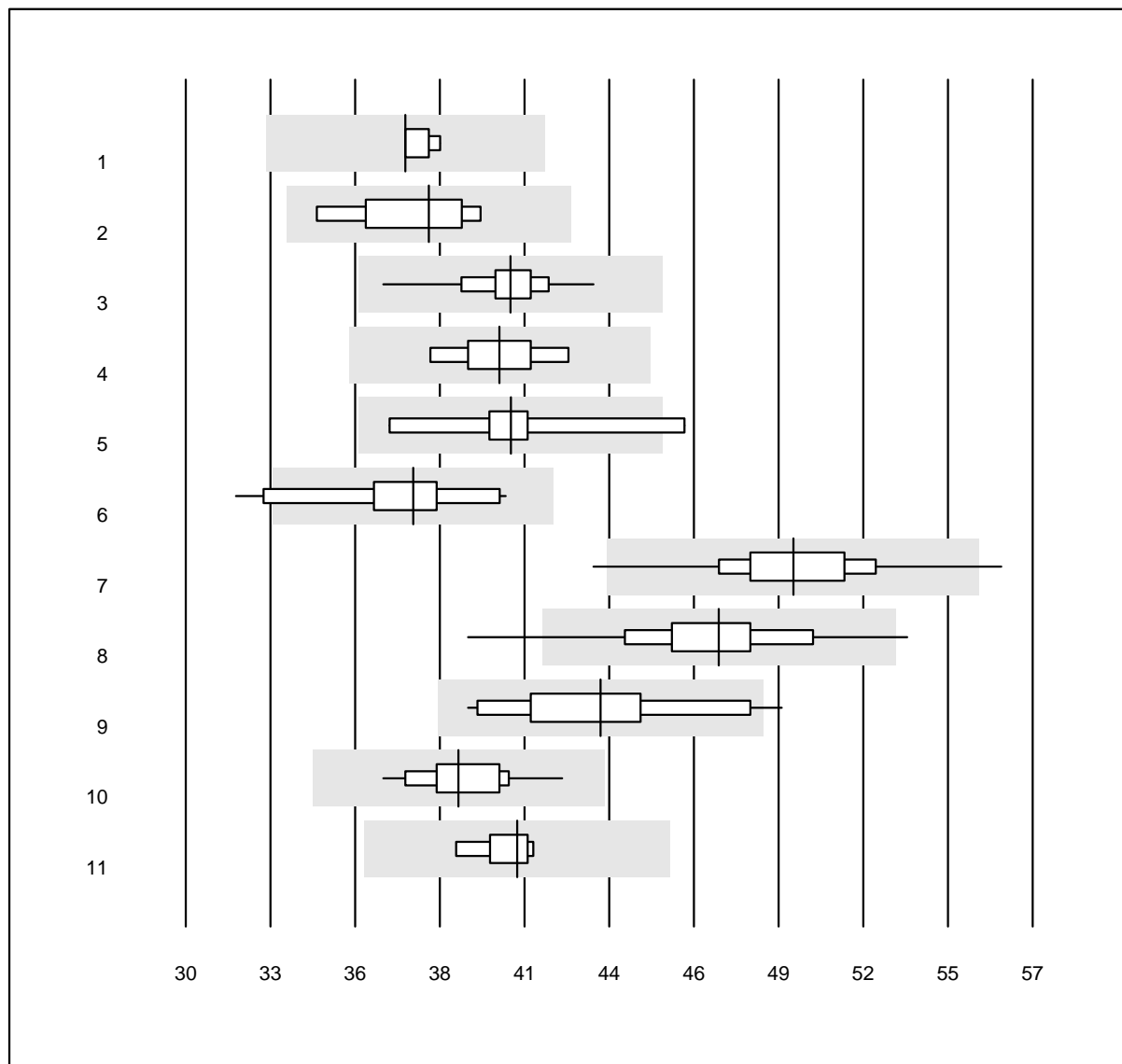
QUALAB Toleranz: 18%

Alanine aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	99	2.2	e
13 Skyla	5	100.0	0.0	0.0	77	6.6	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Albumine 1

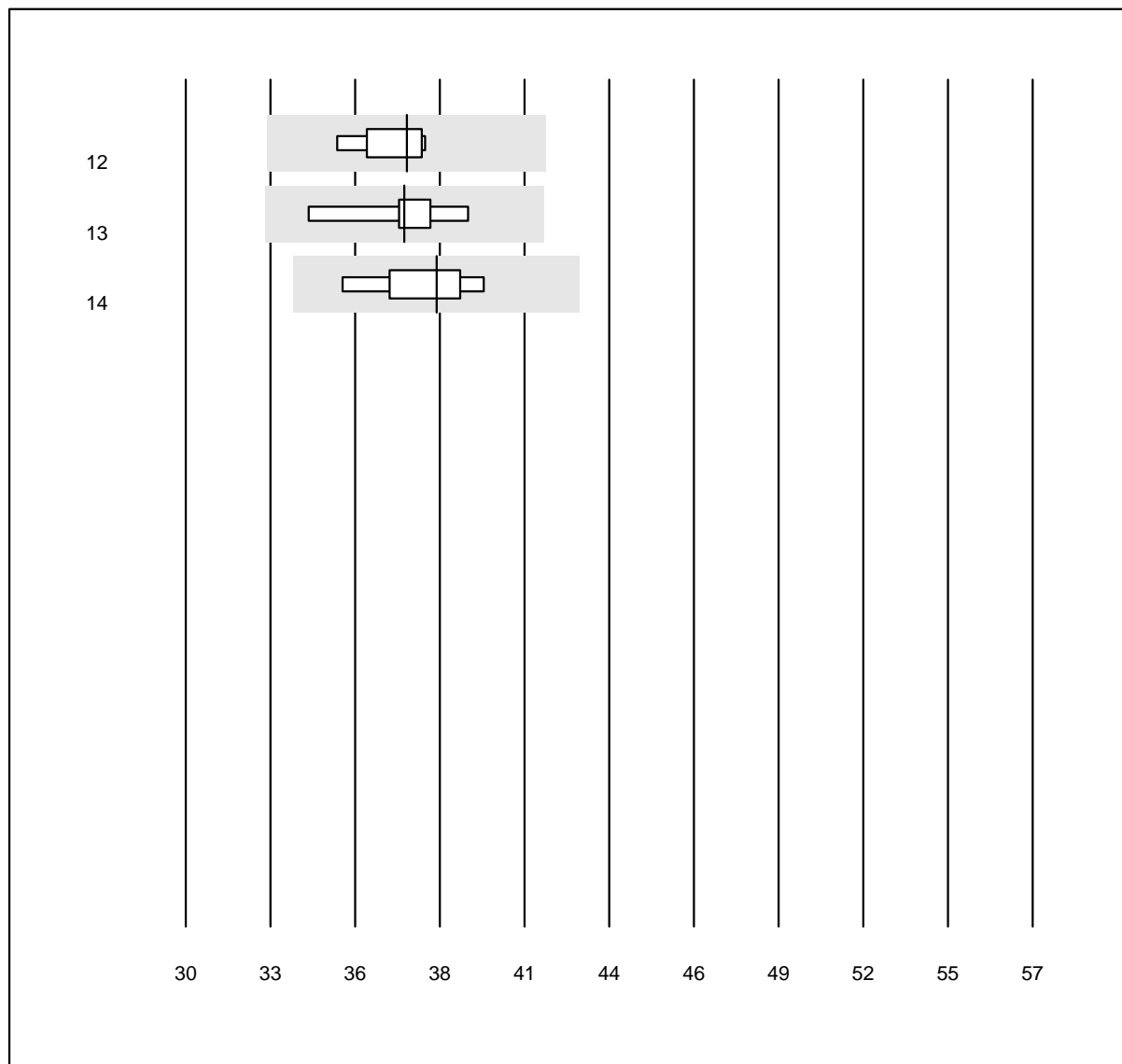


QUALAB Toleranz: 12%

Albumine (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	37.0	1.3	e
2 Beckman	4	100.0	0.0	0.0	37.8	4.4	e*
3 Roche	42	100.0	0.0	0.0	40.4	3.2	e
4 Siemens	7	100.0	0.0	0.0	40.0	3.2	e
5 Autolyser	9	88.9	11.1	0.0	40.4	6.0	e*
6 Selectra Pro	11	90.9	9.1	0.0	37.3	6.0	e*
7 Fuji Dri-Chem	251	97.6	0.8	1.6	49.4	4.0	e
8 Spotchem D-Concept	235	98.3	0.9	0.9	47.0	4.5	e
9 Spotchem SP-4430	22	95.5	4.5	0.0	43.2	6.4	e
10 Piccolo	67	98.5	0.0	1.5	38.7	3.4	e
11 Seamaty	5	100.0	0.0	0.0	40.6	1.9	e

Albumine 2

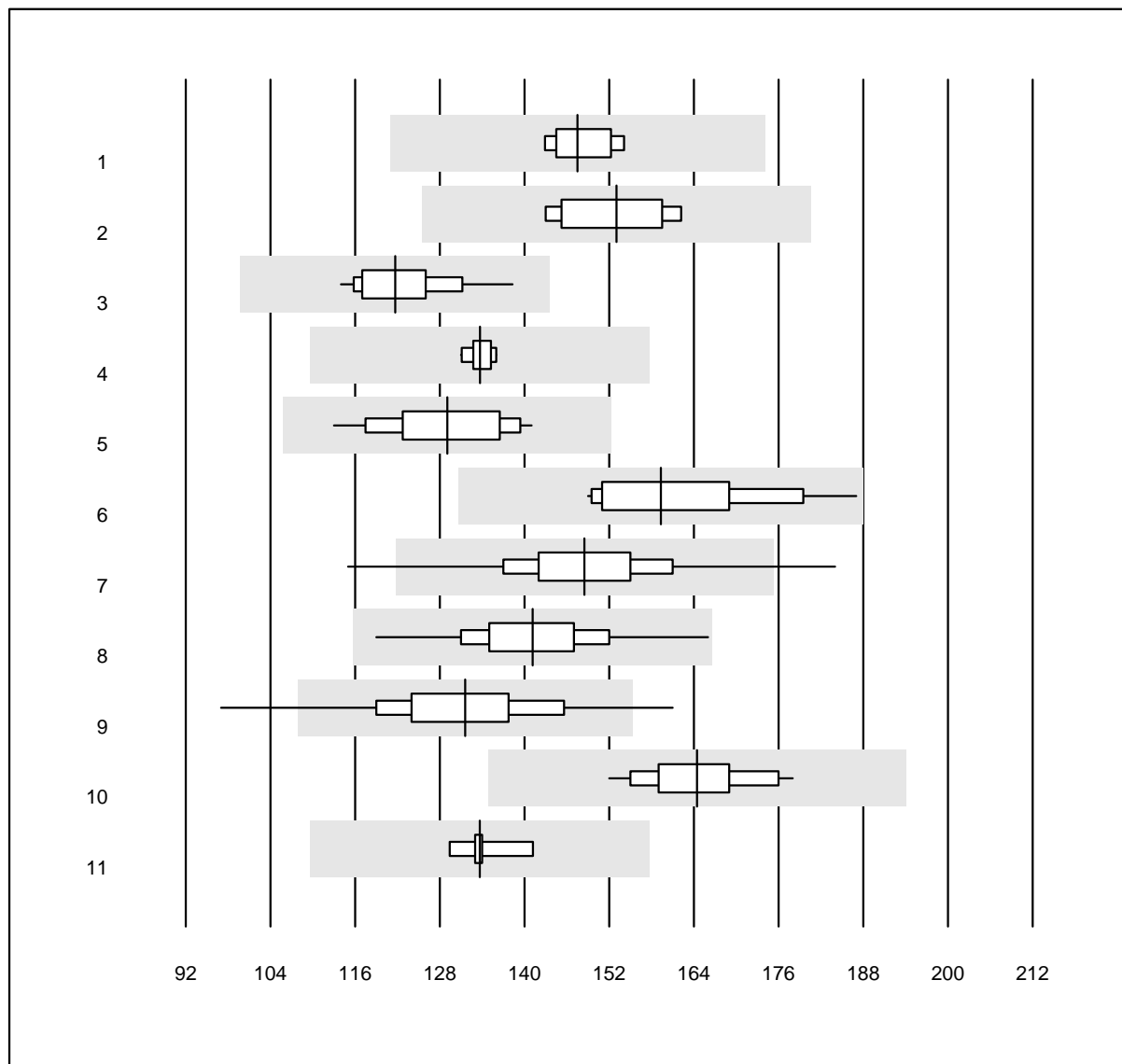


QUALAB Toleranz: 12%

Albumine (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	6	100.0	0.0	0.0	37.0	2.7	e
13 Turbidimetry	7	100.0	0.0	0.0	37.0	3.6	e
14 Skyla	4	100.0	0.0	0.0	38.0	3.3	e*

Alkaline phosphatase 1

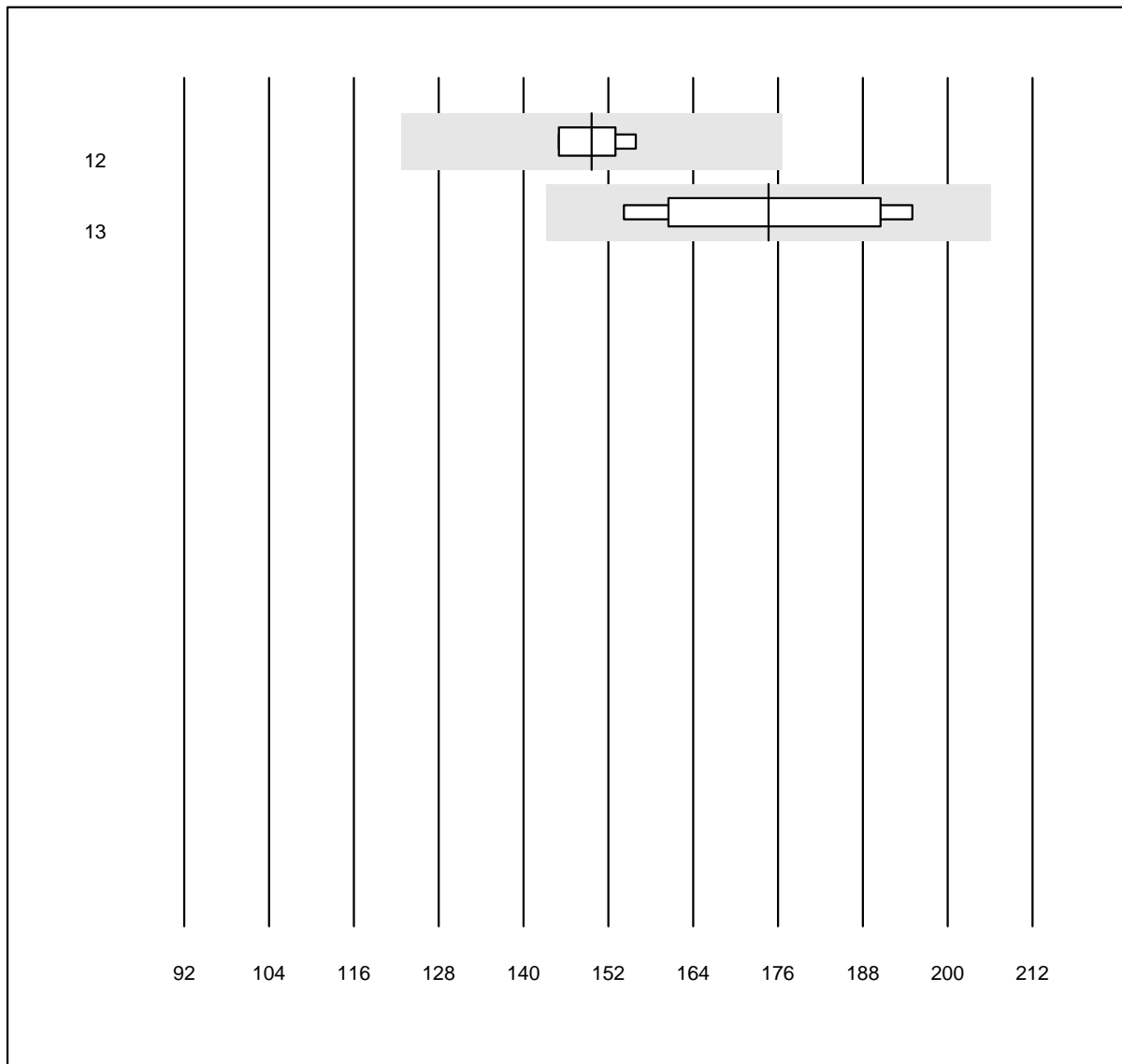


QUALAB Toleranz: 18%

Alkaline phosphatase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	148	2.7	e
2 Beckman	5	100.0	0.0	0.0	153	4.8	e
3 Roche	47	100.0	0.0	0.0	122	4.8	e
4 Siemens	10	100.0	0.0	0.0	134	1.2	e
5 Autolyser	22	100.0	0.0	0.0	129	6.2	e
6 Selectra Pro	14	100.0	0.0	0.0	159	6.9	e
7 Fuji Dri-Chem	1063	99.2	0.5	0.3	148	6.4	e
8 Spotchem D-Concept	585	99.5	0.0	0.5	141	5.8	e
9 Spotchem SP-4430	77	94.8	3.9	1.3	132	8.3	e
10 Piccolo	52	100.0	0.0	0.0	164	4.2	e
11 Seamaty	9	77.8	0.0	22.2	134	2.3	e

Alkaline phosphatase 2

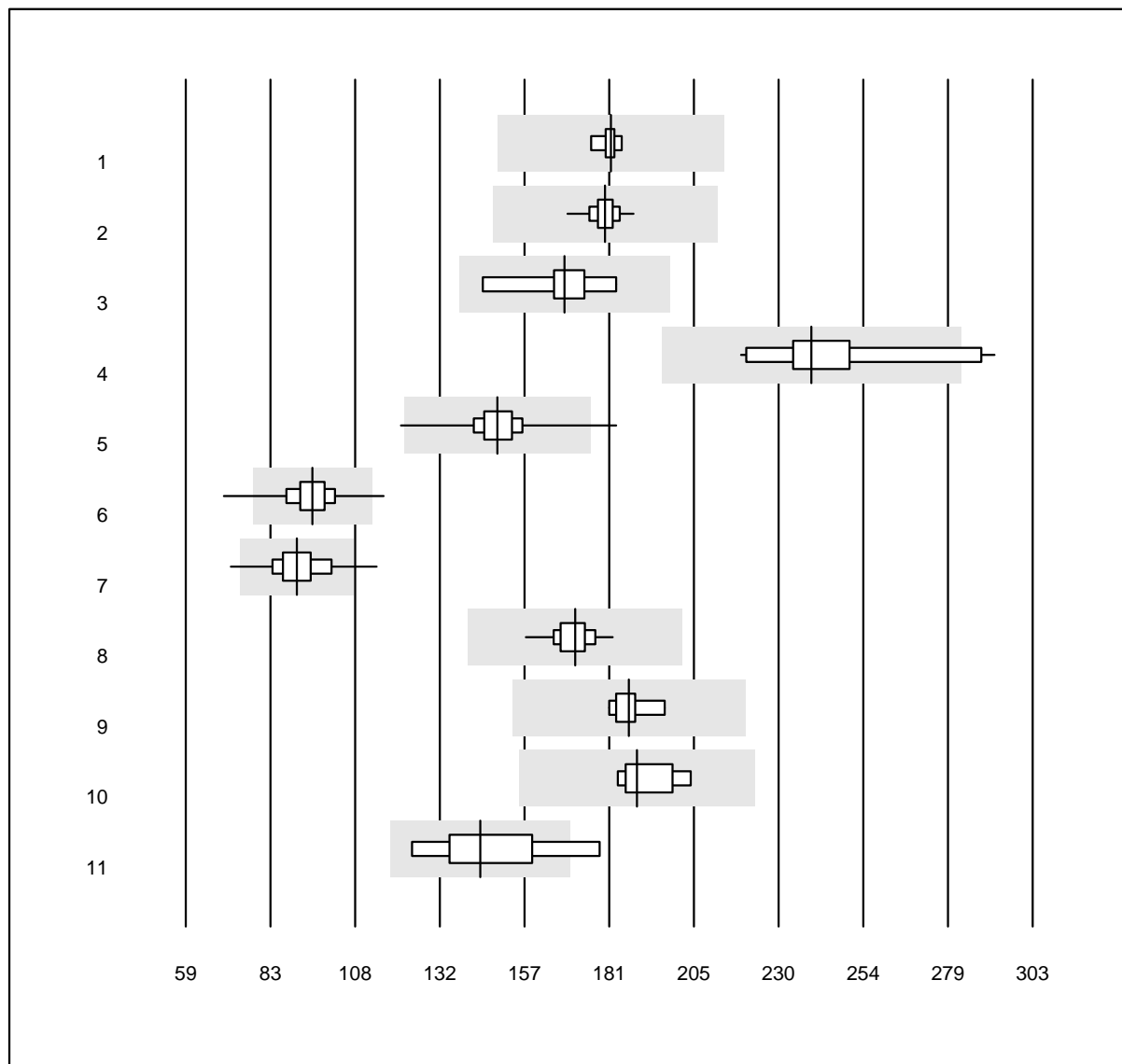


QUALAB Toleranz: 18%

Alkaline phosphatase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	150	2.7	e
13 Skyla	5	100.0	0.0	0.0	175	8.8	e*

Amylase



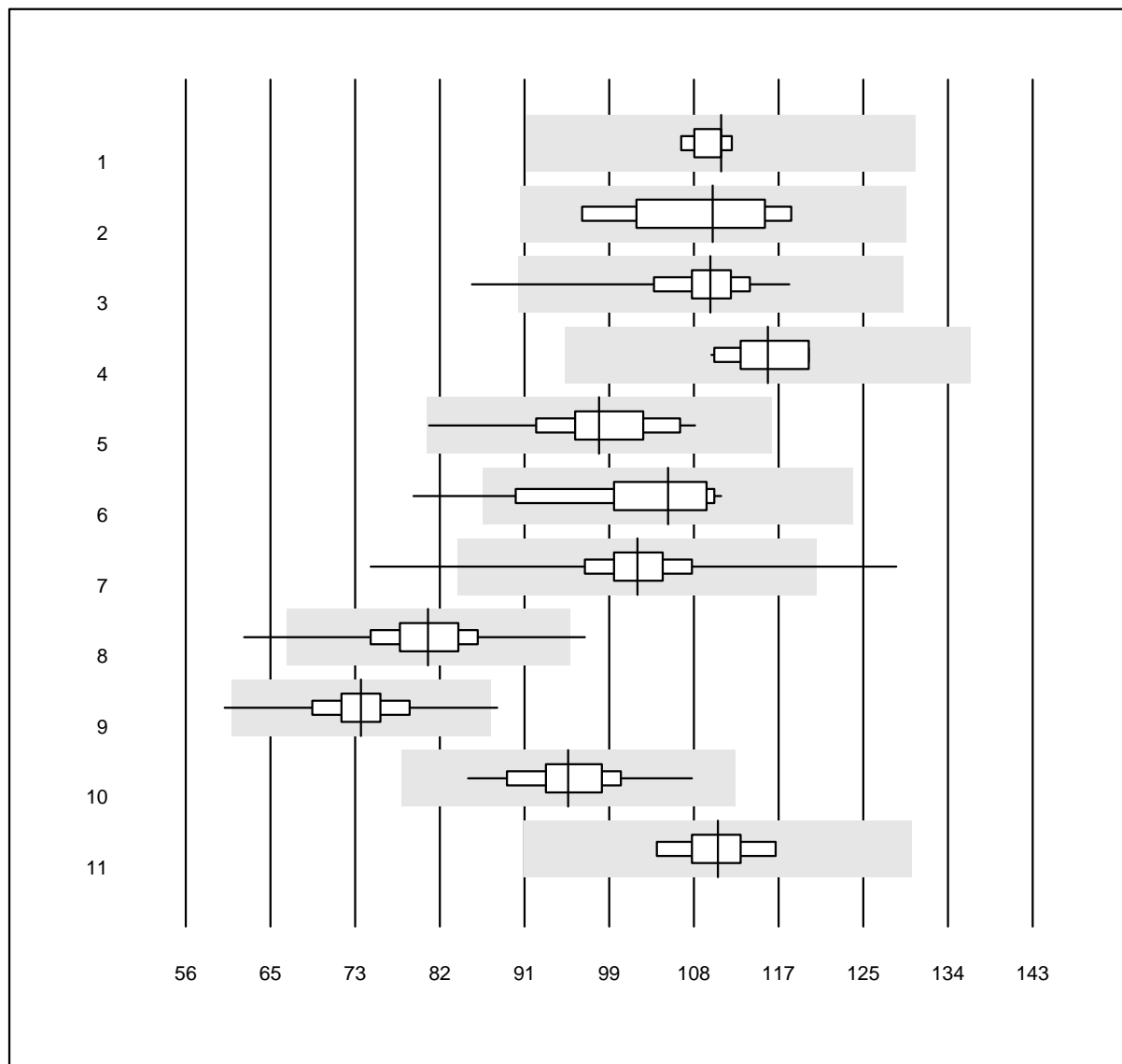
QUALAB Toleranz: 18%

Amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	182	1.3	e
2 Roche	18	100.0	0.0	0.0	180	2.2	e
3 Autolyser	9	100.0	0.0	0.0	168	6.2	e
4 Selectra Pro	10	90.0	10.0	0.0	239	8.1	e*
5 Fuji Dri-Chem	746	99.3	0.3	0.4	149	4.2	e
6 Spotchem D-Concept	401	99.0	0.5	0.5	95	5.9	e
7 Spotchem SP-4430	53	96.2	3.8	0.0	91	7.7	e
8 Piccolo	62	95.2	0.0	4.8	171	2.9	e
9 Seamaty	9	100.0	0.0	0.0	187	2.6	e
10 Beckman	5	80.0	0.0	20.0	189	3.7	e
11 Vitros	5	100.0	0.0	0.0	144	10.2	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Aspartate aminotransferase 1



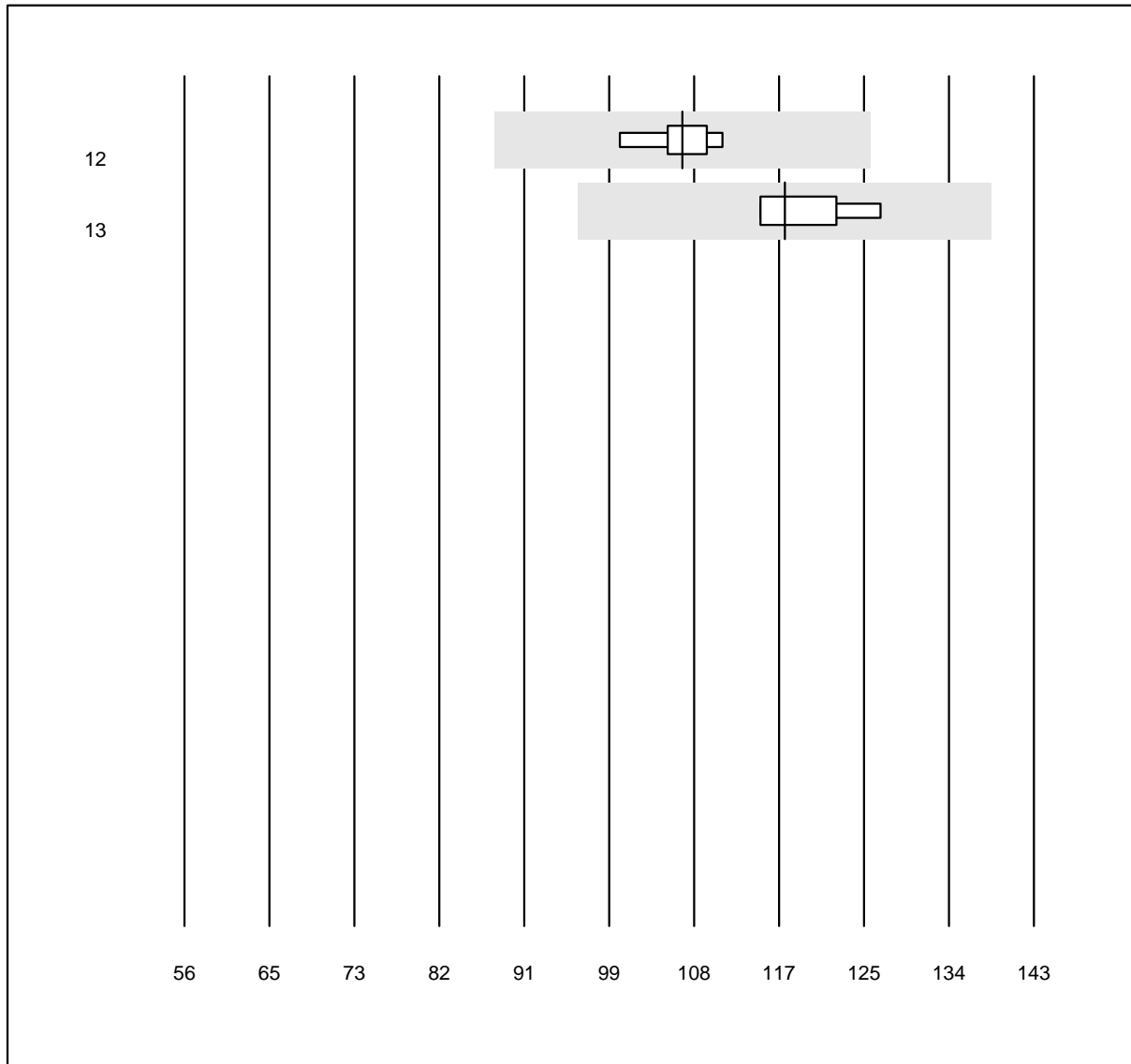
QUALAB Toleranz: 18%

Aspartate aminotransferase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	111	1.6	e
2 Beckman	5	100.0	0.0	0.0	110	6.5	e*
3 Roche	50	98.0	2.0	0.0	110	4.3	e
4 Siemens	10	100.0	0.0	0.0	116	3.1	e
5 Autolyser	23	100.0	0.0	0.0	98	6.2	e
6 Selectra Pro	17	88.2	5.9	5.9	106	7.8	e
7 Fuji Dri-Chem	1178	98.9	0.6	0.5	102	4.4	e
8 Spotchem D-Concept	645	98.3	0.9	0.8	81	5.5	e
9 Spotchem SP-4430	131	98.5	1.5	0.0	74	5.9	e
10 Piccolo	73	98.6	0.0	1.4	95	4.7	e
11 Skyla	5	100.0	0.0	0.0	111	2.9	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Aspartate aminotransferase 2



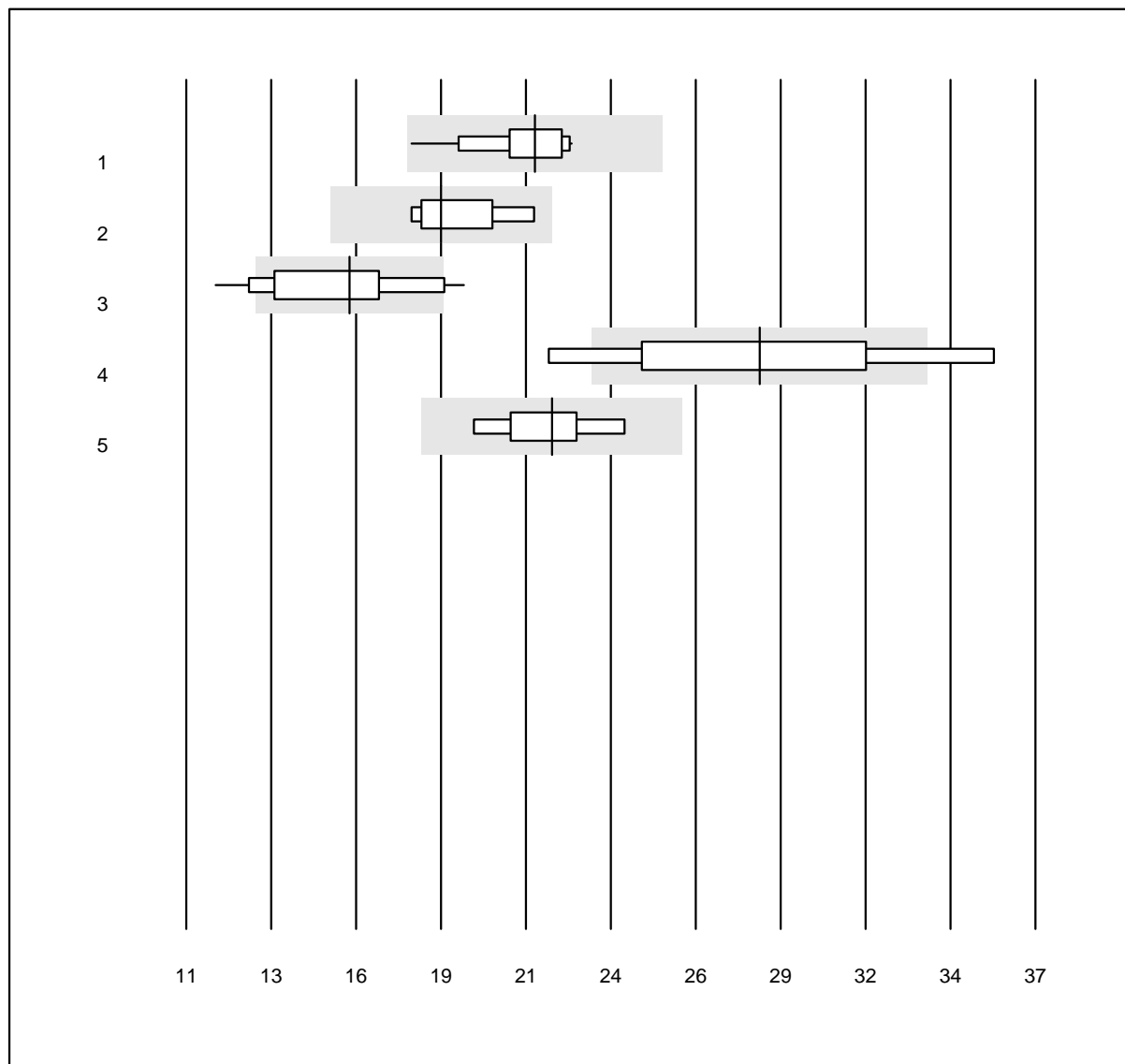
QUALAB Toleranz: 18%

Aspartate aminotransferase
(U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Seamaty	8	100.0	0.0	0.0	107	2.9	e
13 Vitros	6	100.0	0.0	0.0	118	3.6	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin direct



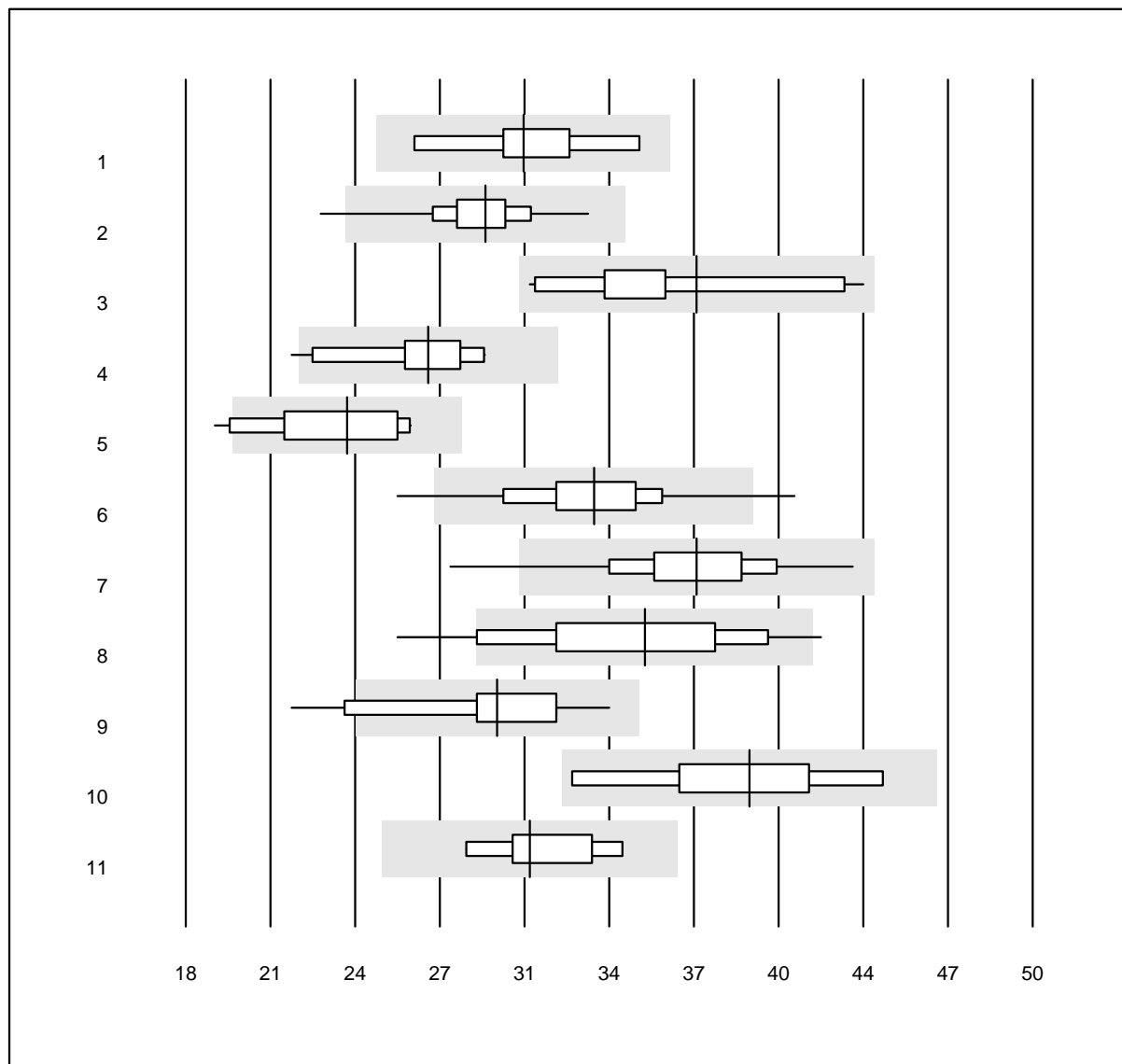
MQ Toleranz: 18%

Bilirubin direct (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	21.7	6.0	e
2 Siemens	4	100.0	0.0	0.0	18.8	6.2	e*
3 Fuji Dri-Chem	15	86.7	13.3	0.0	16.0	13.1	a*
4 Vitros	5	80.0	0.0	20.0	28.6	13.3	a*
5 Other methods	6	100.0	0.0	0.0	22.2	5.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin 1

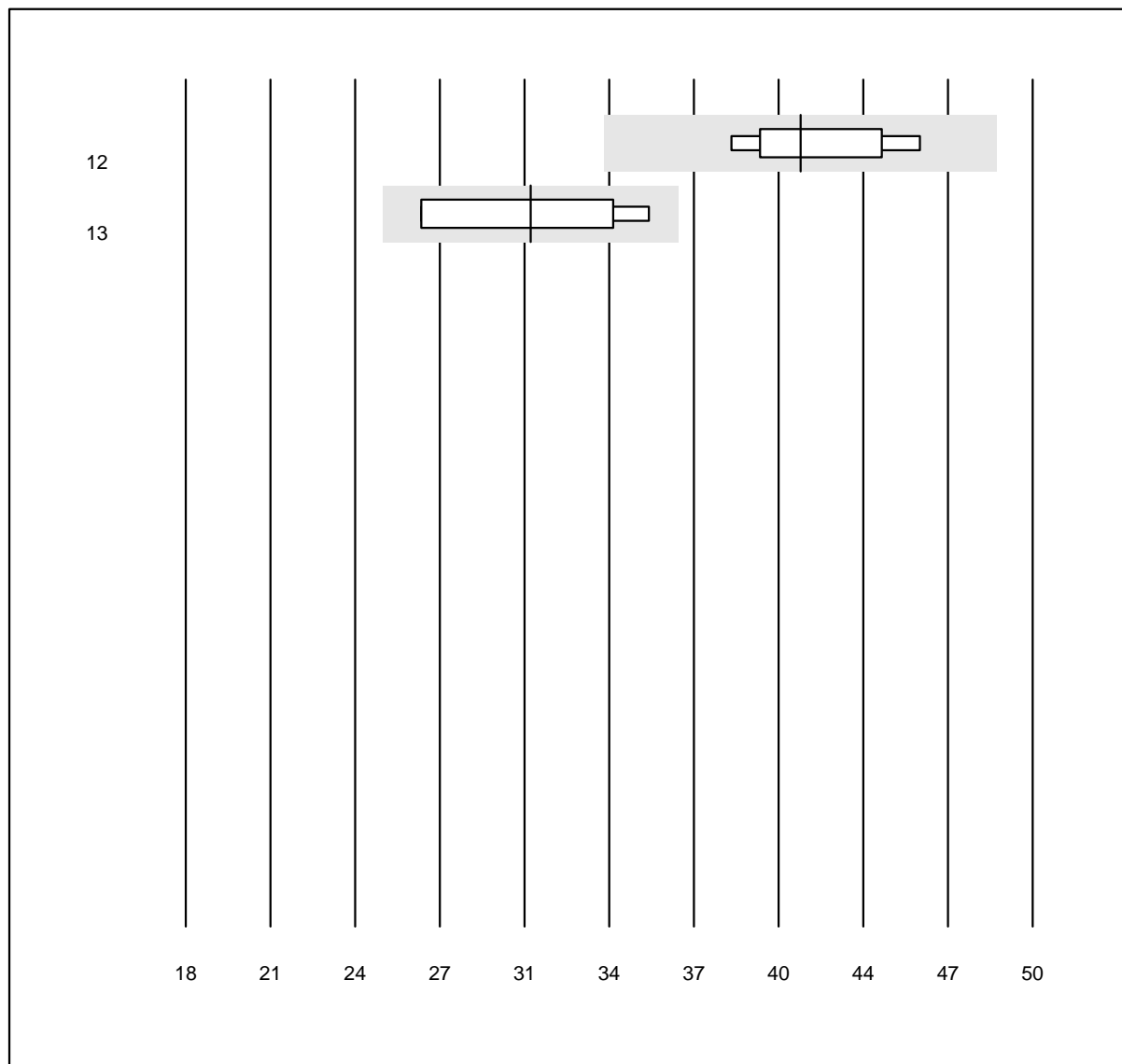


QUALAB Toleranz: 18%

Bilirubin (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	30.8	7.5	e*
2 Roche	48	97.9	2.1	0.0	29.3	5.5	e
3 Siemens	10	100.0	0.0	0.0	37.3	9.3	a*
4 Autolyser	20	95.0	5.0	0.0	27.2	7.9	e
5 Selectra Pro	17	88.2	5.9	5.9	24.1	10.4	e*
6 Fuji Dri-Chem	881	94.9	2.2	3.0	33.4	7.2	e
7 Spotchem D-Concept	464	96.6	1.7	1.7	37.3	7.0	e
8 Spotchem SP-4430	71	91.5	8.5	0.0	35.4	11.0	e
9 Piccolo	61	78.7	9.8	11.5	29.8	9.5	e
10 Beckman	5	100.0	0.0	0.0	39.3	8.0	e*
11 Seamaty	9	100.0	0.0	0.0	31.0	6.1	e

Bilirubin 2

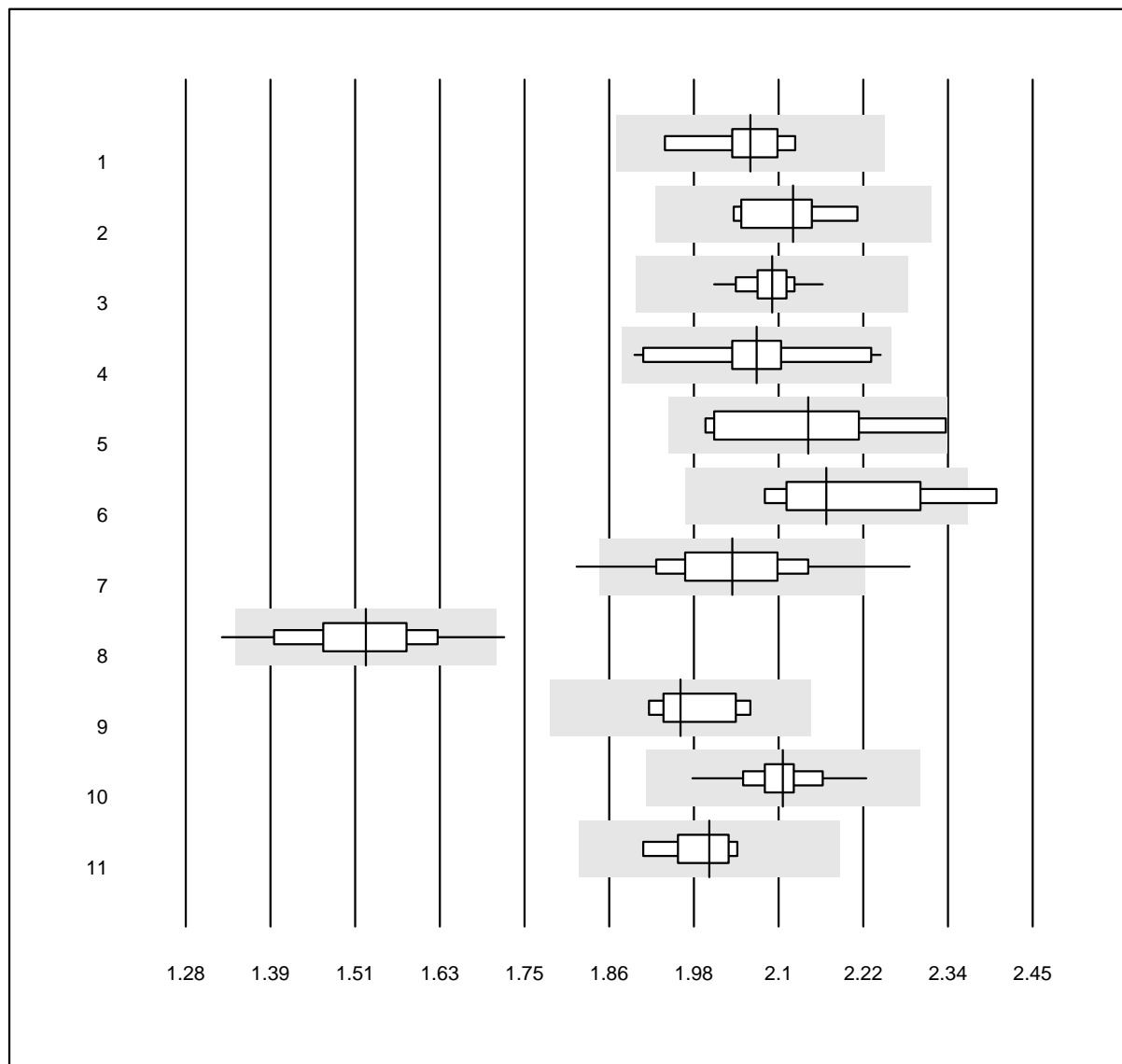


QUALAB Toleranz: 18%

Bilirubin (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	41.2	5.8	e*
13 Skyla	5	100.0	0.0	0.0	31.0	12.3	e*

Calcium



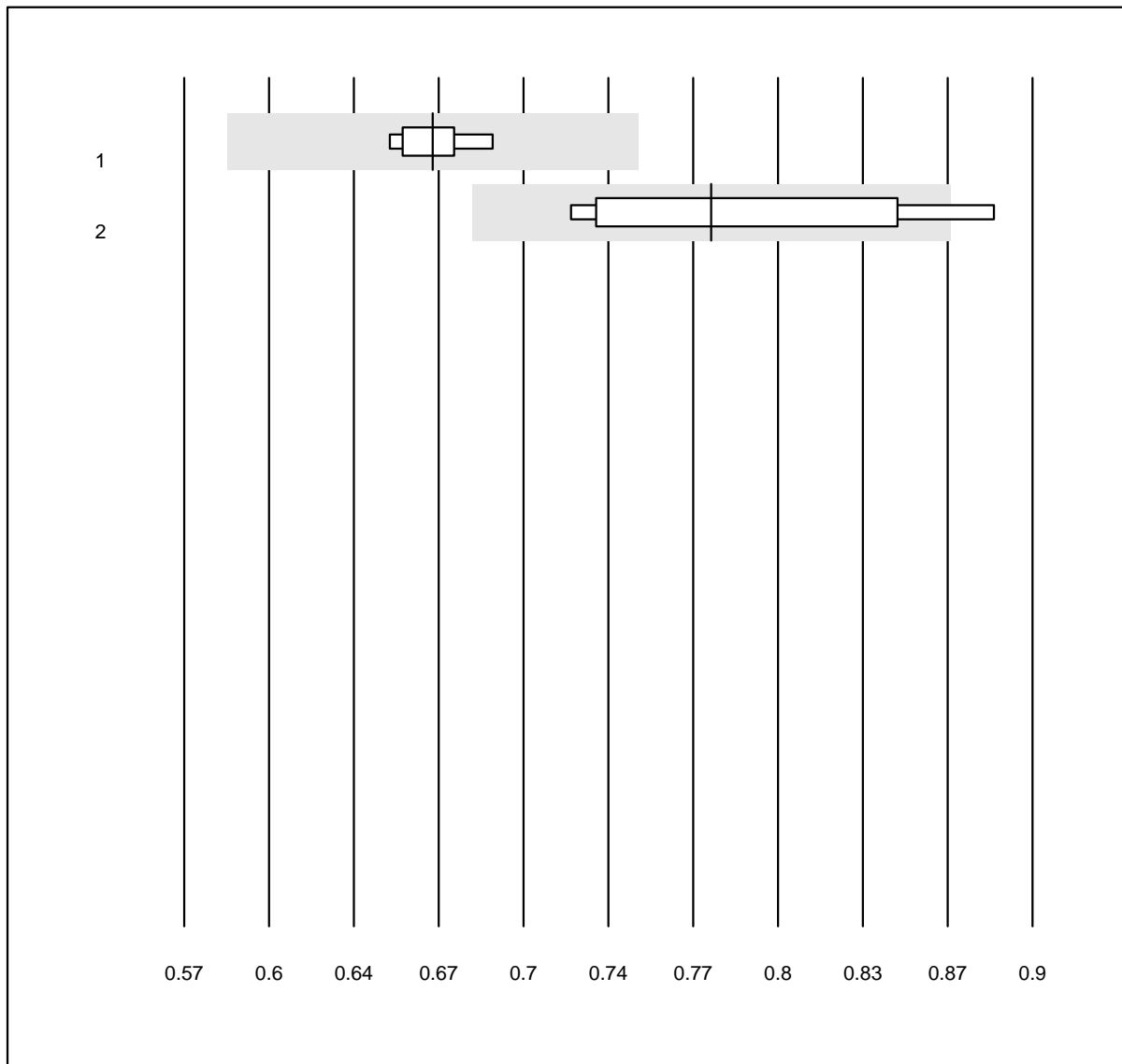
QUALAB Toleranz: 9%

Calcium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	2.06	2.6	e
2 Beckman	6	100.0	0.0	0.0	2.12	2.6	e*
3 Roche	48	100.0	0.0	0.0	2.09	1.5	e
4 Siemens	10	100.0	0.0	0.0	2.07	4.1	e*
5 Autolyser	8	87.5	0.0	12.5	2.14	5.1	e*
6 Selectra Pro	4	100.0	0.0	0.0	2.17	4.6	e*
7 Fuji Dri-Chem	224	95.1	4.9	0.0	2.04	4.2	e
8 Spotchem D-Concept	61	93.4	6.6	0.0	1.53	5.6	e
9 Spotchem SP-4430	11	81.8	0.0	18.2	1.96	2.6	e
10 Piccolo	48	100.0	0.0	0.0	2.10	2.0	e
11 Vitros	7	100.0	0.0	0.0	2.00	2.1	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Calcium ISE

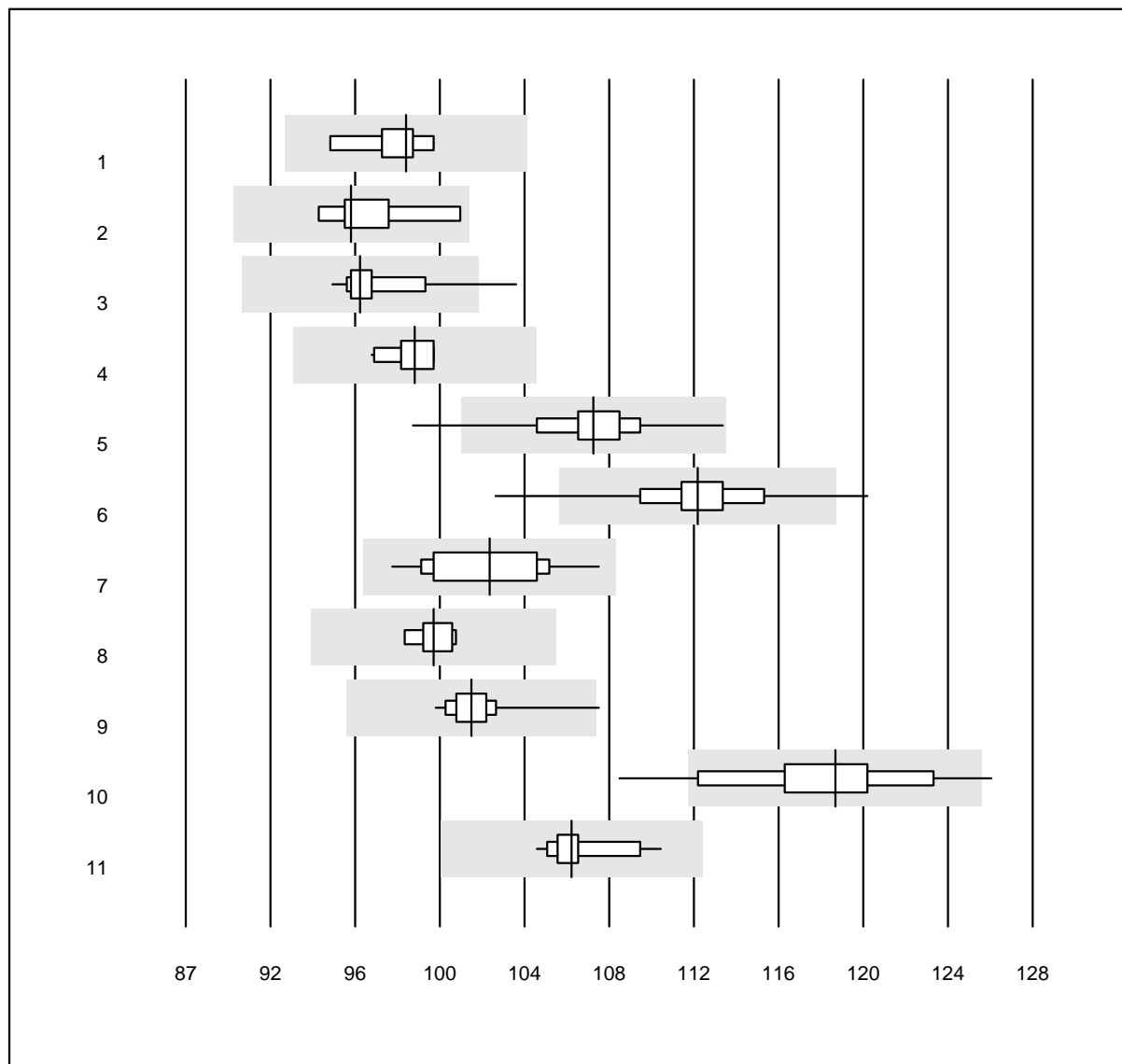


MQ Toleranz: 12%

Calcium ISE (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 iStat Chem8	9	100.0	0.0	0.0	0.67	2.0	e
2 ISE	4	100.0	0.0	0.0	0.78	7.9	e*

Chloride



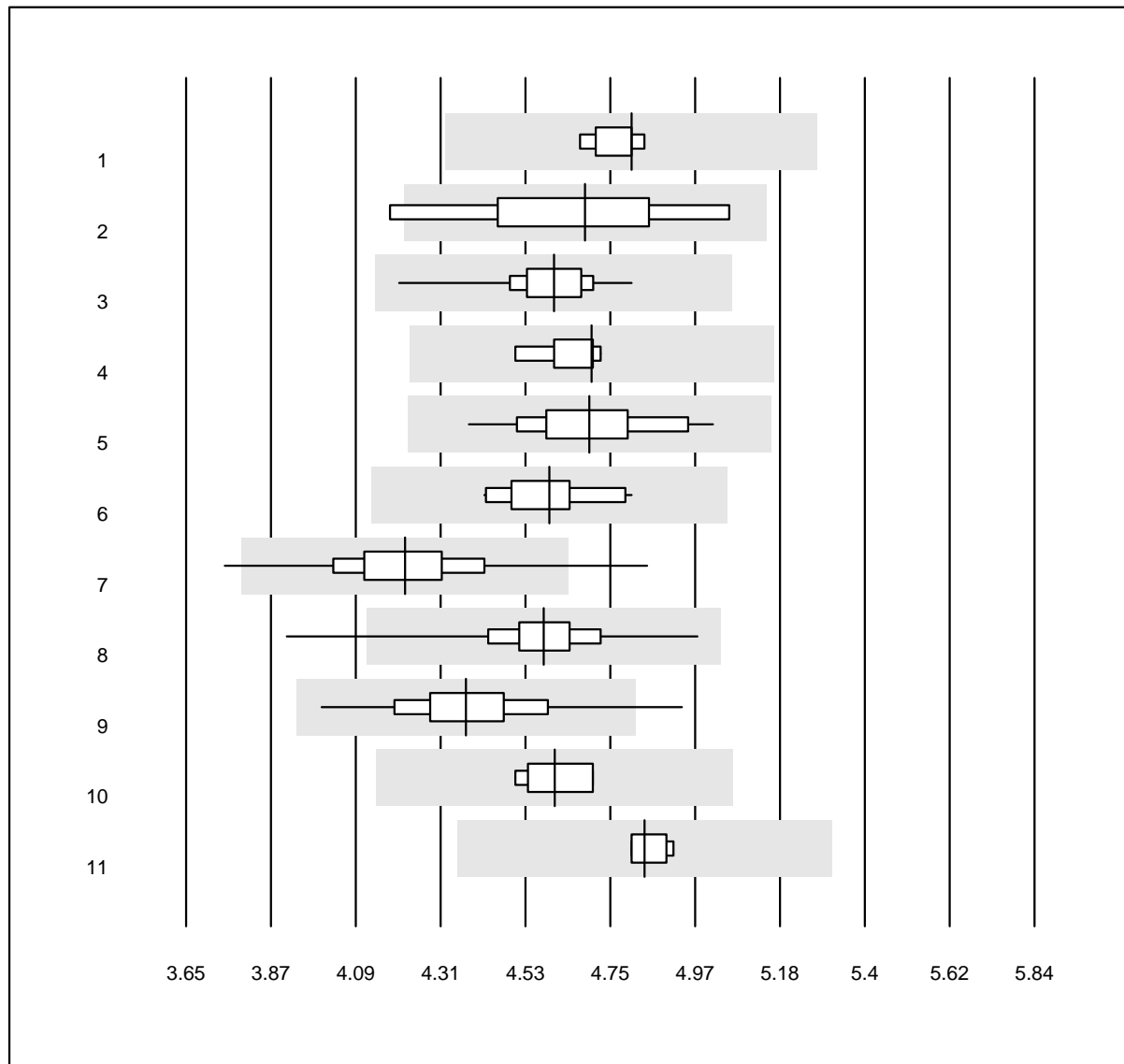
QUALAB Toleranz: 6%

Chloride (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	100.0	0.0	0.0	98	1.5	e
2 Beckman	6	100.0	0.0	0.0	95	2.0	e*
3 Roche	36	97.2	2.8	0.0	95	1.9	e
4 Siemens	10	100.0	0.0	0.0	98	1.0	e
5 Fuji Dri-Chem	974	99.2	0.4	0.4	107	1.8	e
6 Spotchem D-Concept	385	94.8	2.6	2.6	112	2.2	e
7 Piccolo	23	100.0	0.0	0.0	102	2.5	e
8 Vitros	5	100.0	0.0	0.0	99	0.8	e
9 Exias	58	96.6	1.7	1.7	101	1.3	e
10 Spotchem EL-SE 1520	49	85.7	10.2	4.1	118	3.4	e
11 iStat Chem8	14	100.0	0.0	0.0	106	1.4	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Cholesterol total 1



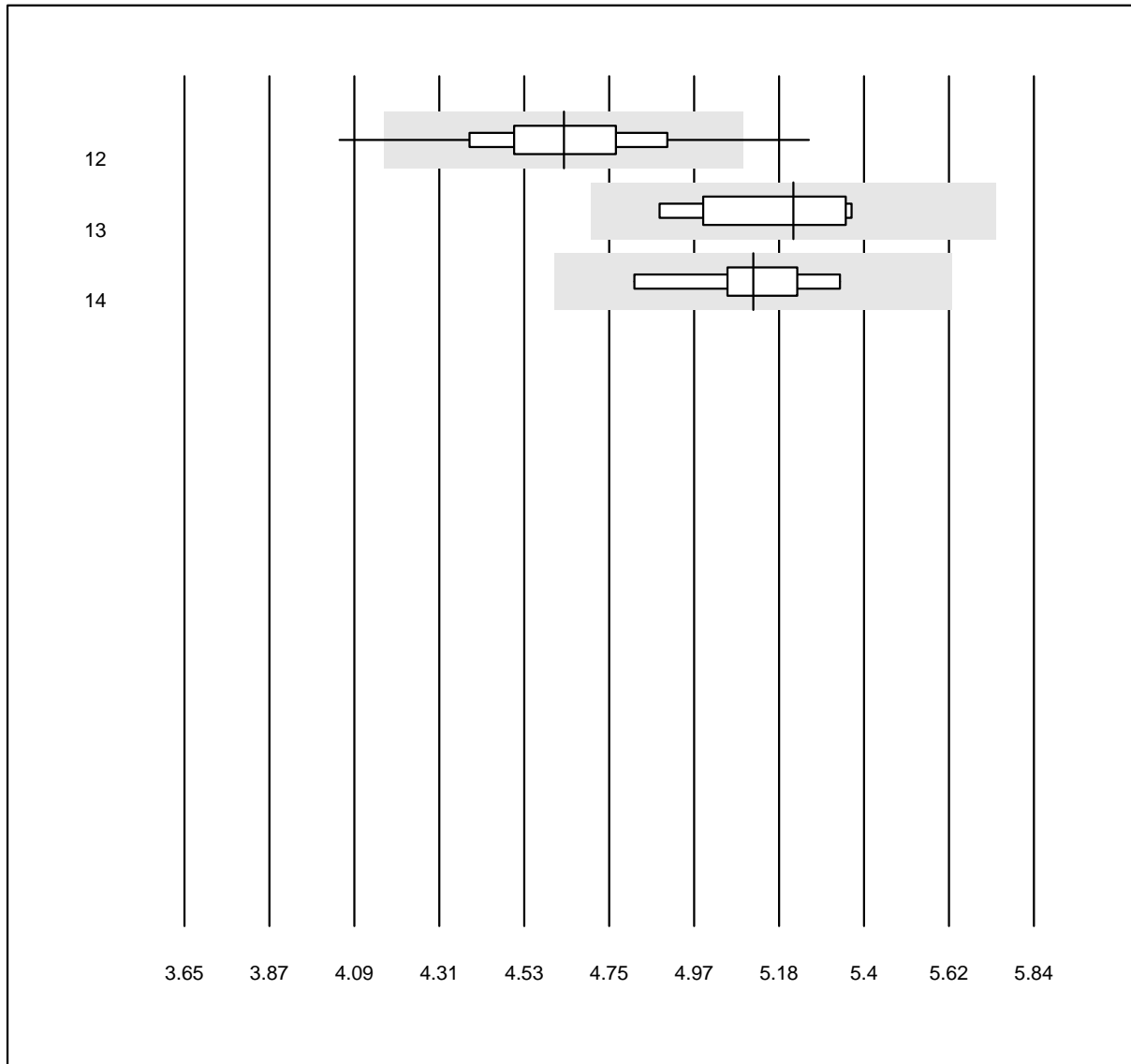
QUALAB Toleranz: 10%

Cholesterol total (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	4.80	1.2	e
2 Beckman	5	100.0	0.0	0.0	4.68	5.1	e*
3 Roche	38	100.0	0.0	0.0	4.60	2.4	e
4 Siemens	9	100.0	0.0	0.0	4.70	1.6	e
5 Autolyser	23	100.0	0.0	0.0	4.69	3.3	e
6 Selectra Pro	15	86.7	0.0	13.3	4.59	2.5	e
7 Fuji Dri-Chem	1010	95.8	1.9	2.3	4.22	3.8	e
8 Spotchem D-Concept	503	98.8	0.4	0.8	4.57	2.7	e
9 Spotchem SP-4430	75	97.3	2.7	0.0	4.37	3.8	e
10 Piccolo	19	100.0	0.0	0.0	4.60	1.6	e
11 Vitros	5	100.0	0.0	0.0	4.83	1.0	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Cholesterol total 2



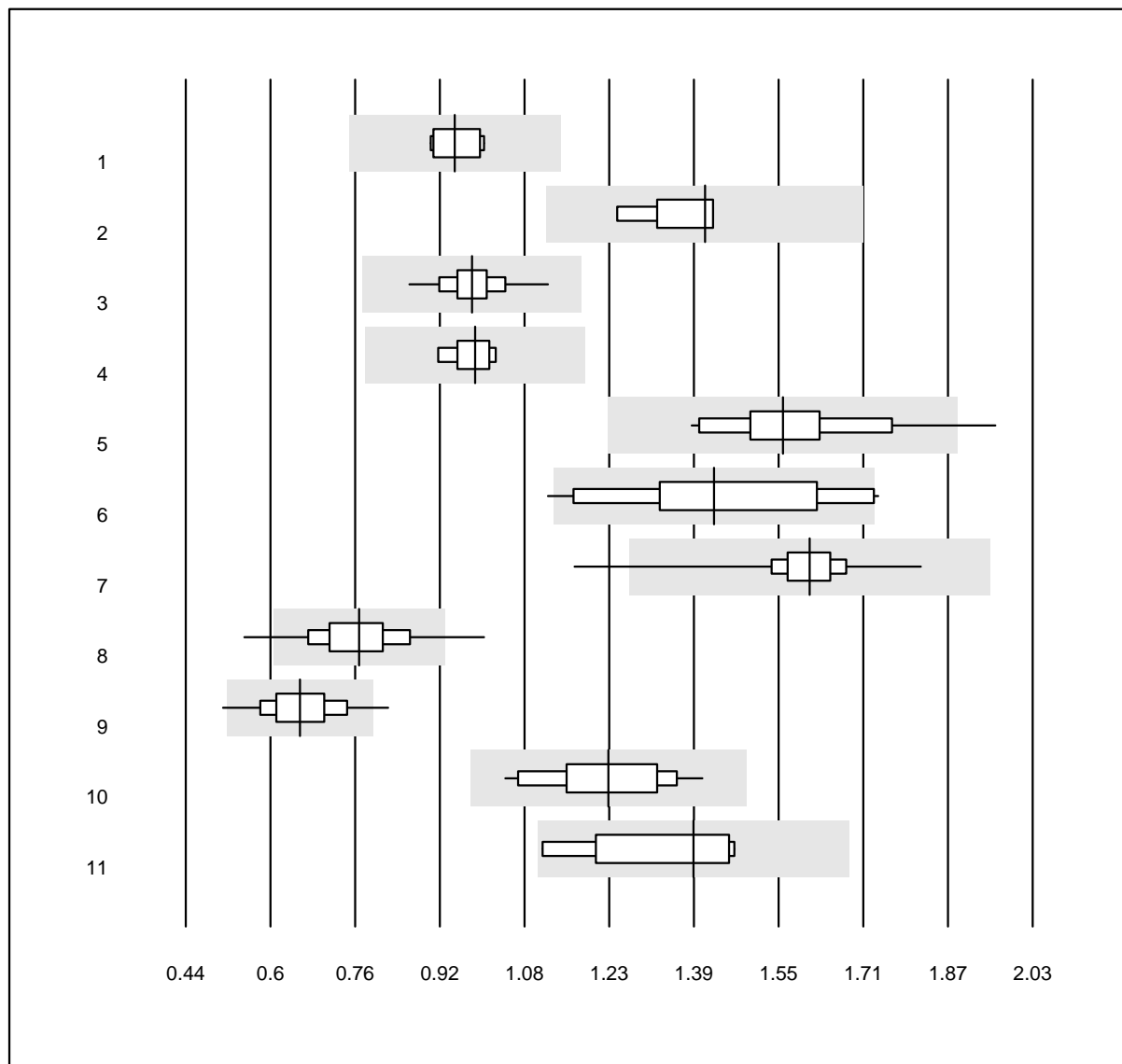
QUALAB Toleranz: 10%

Cholesterol total (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Cholestech LDX	218	95.0	3.2	1.8	4.63	4.4	e
13 Skyla	4	100.0	0.0	0.0	5.22	3.8	e*
14 Seamaty	9	100.0	0.0	0.0	5.12	3.0	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

HDL-cholesterol 1



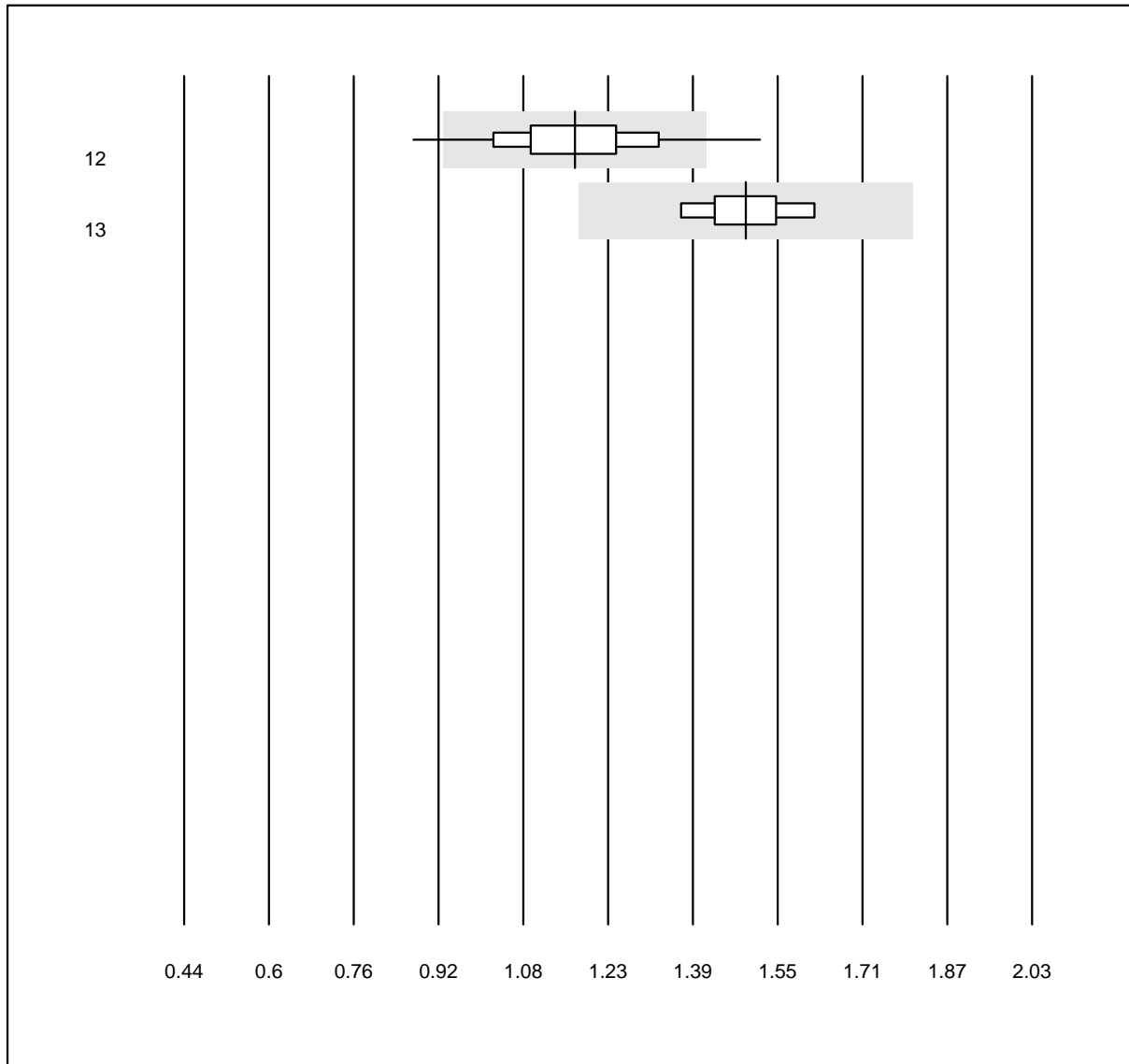
QUALAB Toleranz: 21%

HDL-cholesterol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	0.94	4.2	e
2 Beckman	4	100.0	0.0	0.0	1.42	4.4	e
3 Roche	37	100.0	0.0	0.0	0.98	5.2	e
4 Siemens	7	100.0	0.0	0.0	0.98	3.9	e
5 Autolyser	23	95.7	4.3	0.0	1.56	8.3	e
6 Selectra Pro	14	78.6	14.3	7.1	1.43	13.0	e*
7 Fuji Dri-Chem	986	99.4	0.1	0.5	1.61	3.7	e
8 Spotchem D-Concept	492	93.5	3.7	2.8	0.77	10.4	e
9 Spotchem SP-4430	69	92.8	2.9	4.3	0.65	9.7	e
10 Piccolo	17	100.0	0.0	0.0	1.23	8.2	e
11 Seamaty	9	100.0	0.0	0.0	1.39	10.0	e*

4 additional results were submitted but not published because the method groups were too small. (< results per group)

HDL-cholesterol 2



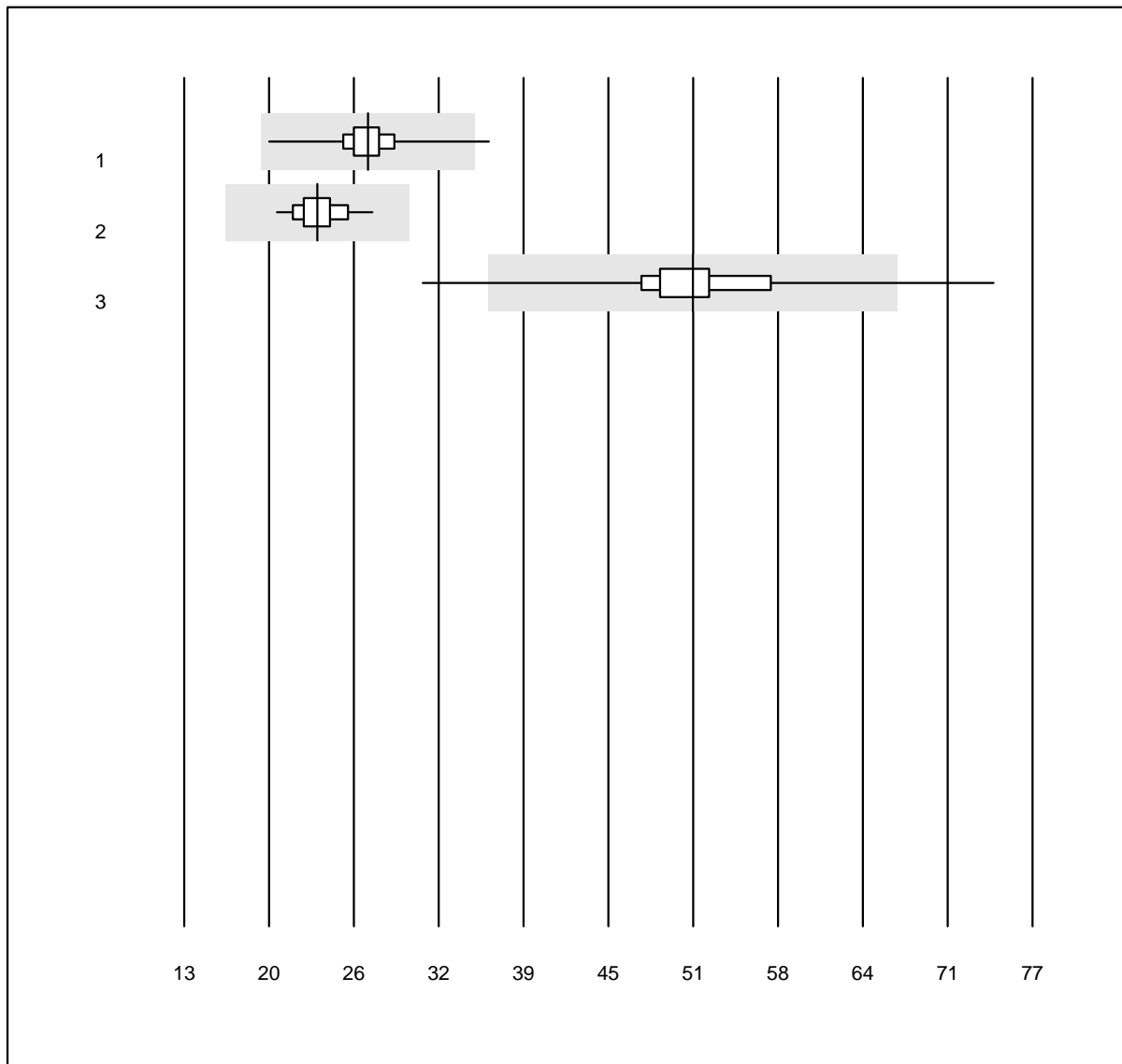
QUALAB Toleranz: 21%

HDL-cholesterol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Cholestech LDX	217	89.9	6.0	4.1	1.17	10.4	e
13 Vitros	5	100.0	0.0	0.0	1.49	4.6	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

eGFR CKD-EPI

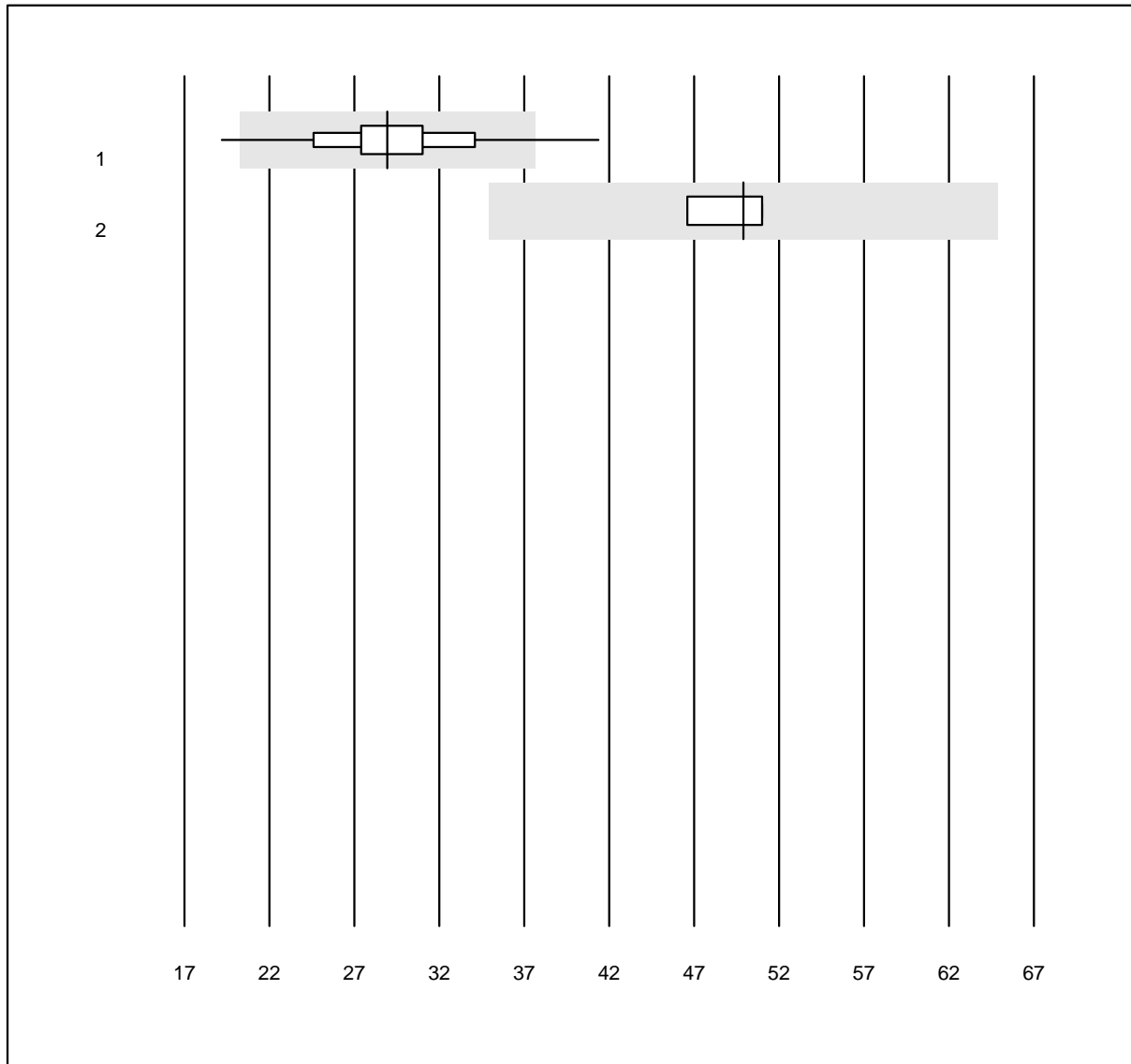


QUALAB Toleranz: 30%

eGFR CKD-EPI ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	408	96.1	1.0	2.9	26.9	7.7	e
2 Standard chemistry	57	98.2	0.0	1.8	23.0	6.6	e
3 Spotchem	264	88.3	3.8	8.0	51.4	11.4	e

eGFR Cockcroft-Gault



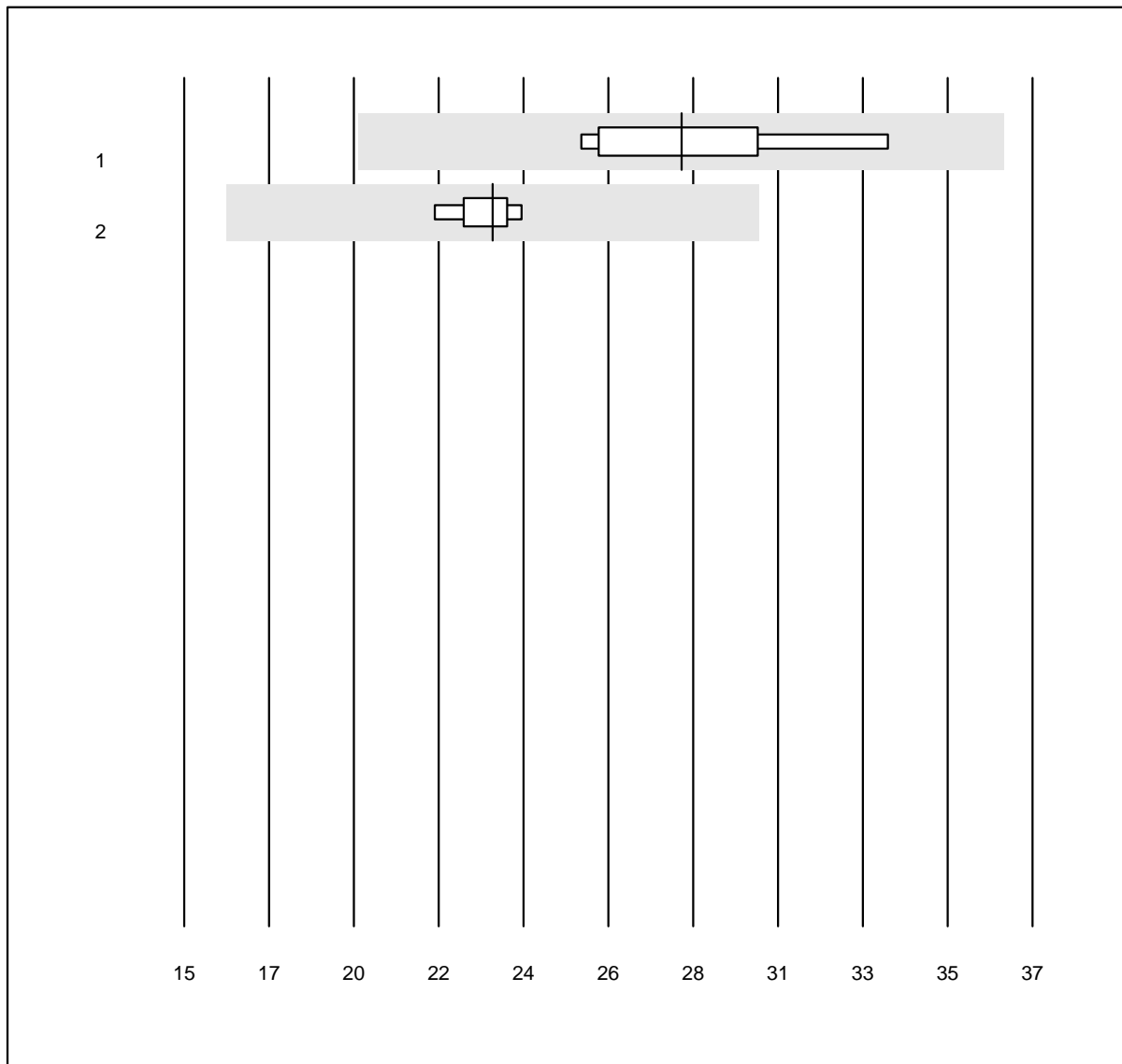
MQ Toleranz: 30%

eGFR Cockcroft-Gault ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	22	77.3	9.1	13.6	29	15.0	e
2 Spotchem	7	85.7	0.0	14.3	50	4.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

eGFR MDRD

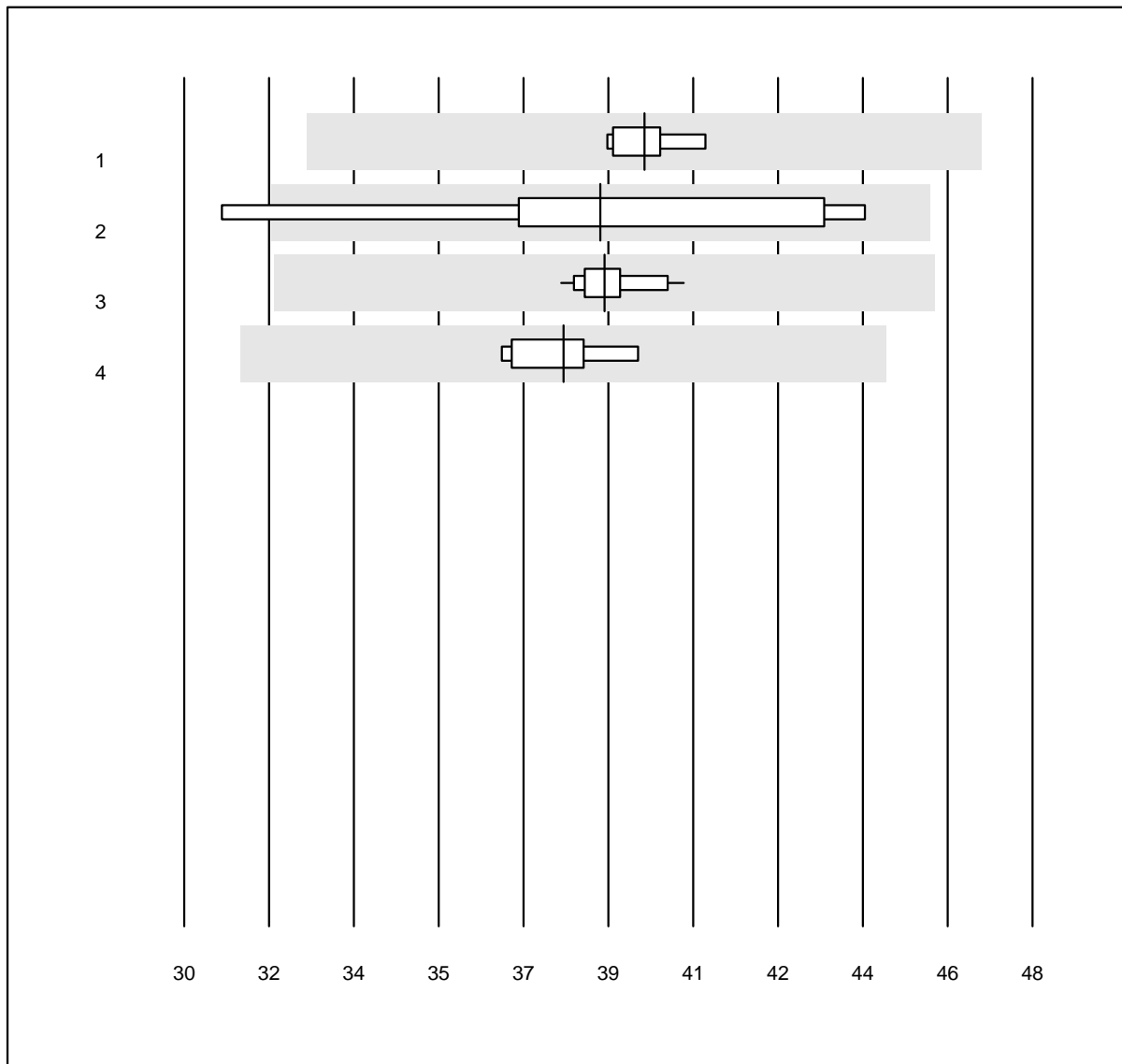


MQ Toleranz: 30%

eGFR MDRD ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	5	80.0	0.0	20.0	28	9.1	e*
2 Standard chemistry	4	100.0	0.0	0.0	23	2.8	e

Iron



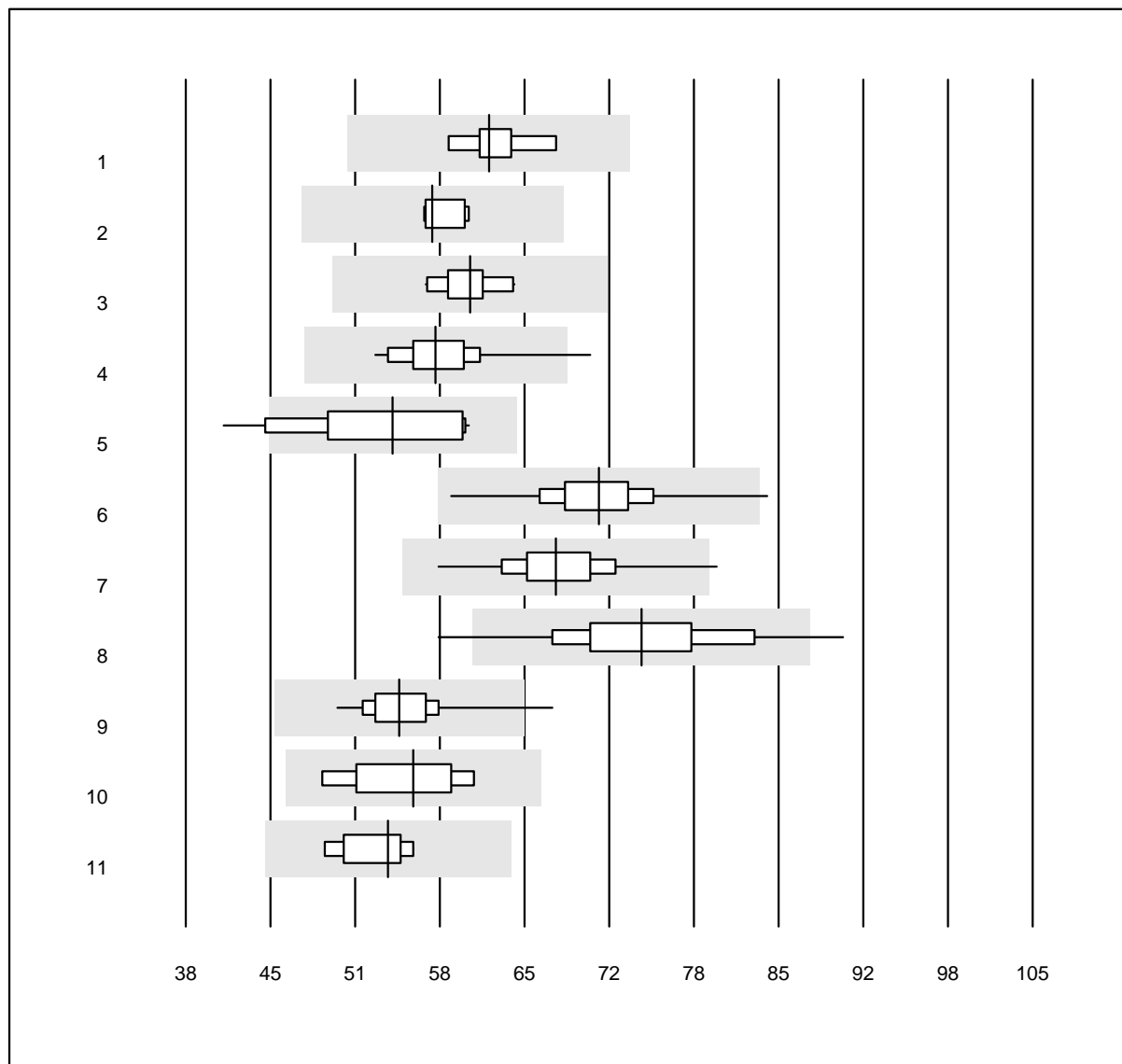
QUALAB Toleranz: 18%

Iron (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	40	1.7	e
2 Beckman	5	100.0	0.0	0.0	39	10.3	a*
3 Roche	26	100.0	0.0	0.0	39	1.7	e
4 Siemens	6	100.0	0.0	0.0	38	2.4	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Gamma-glutamyltransferase 1

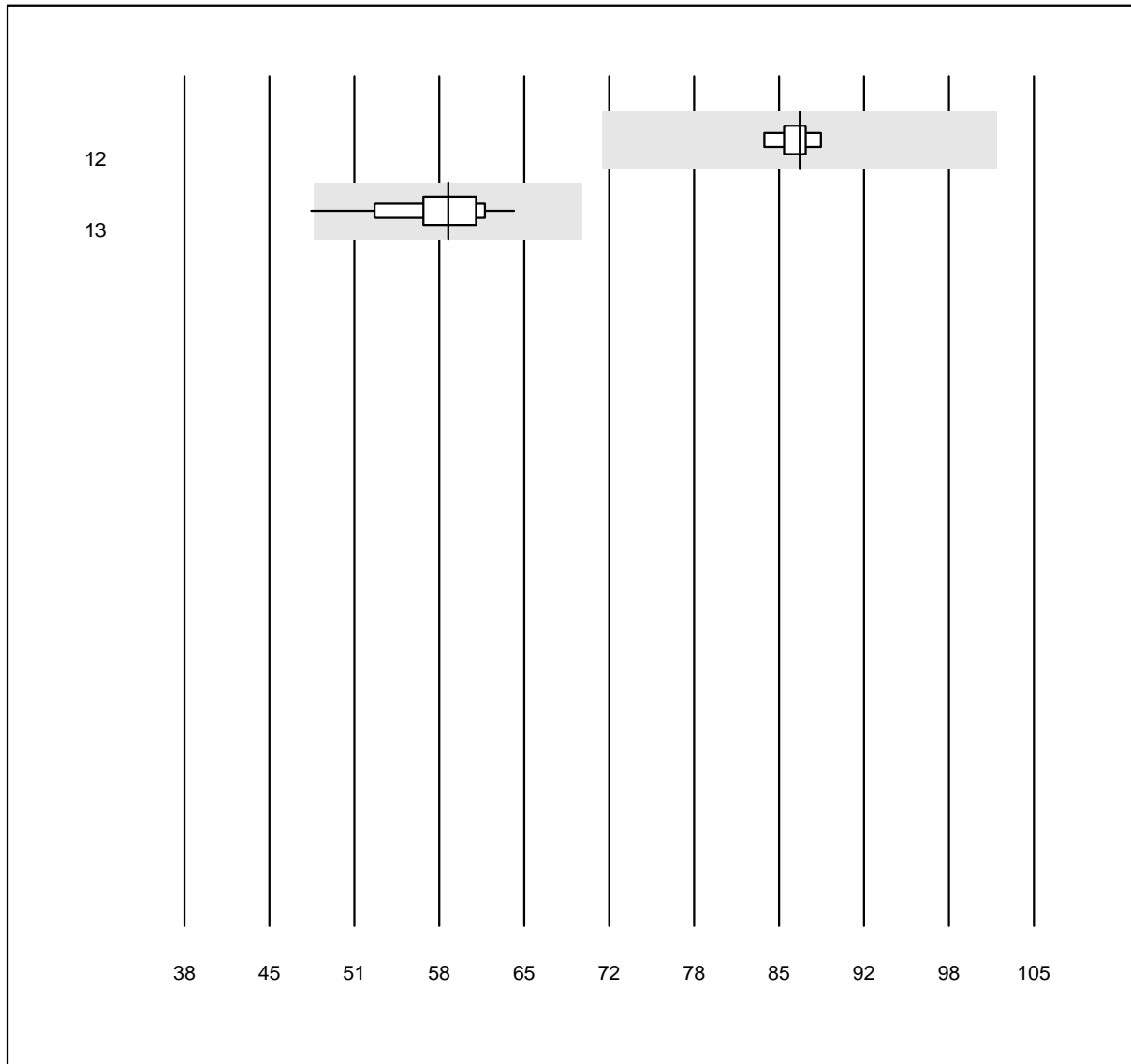


QUALAB Toleranz: 18%

		Gamma-glutamyltransferase					
No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1	Abbott	8	100.0	0.0	0.0	62	3.7 e
2	Beckman	6	100.0	0.0	0.0	58	2.7 e
3	Siemens	10	100.0	0.0	0.0	61	3.5 e
4	Autolyser	23	95.7	4.3	0.0	58	5.9 e
5	Selectra Pro	16	93.8	6.2	0.0	54	11.1 e*
6	Fuji Dri-Chem	1177	99.4	0.1	0.5	71	5.1 e
7	Spotchem D-Concept	644	99.2	0.2	0.6	67	5.2 e
8	Spotchem SP-4430	120	95.8	2.5	1.7	74	7.9 e
9	Piccolo	57	98.2	1.8	0.0	55	5.1 e
10	Skyla	5	100.0	0.0	0.0	56	7.3 e*
11	Seamaty	9	100.0	0.0	0.0	54	4.7 e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Gamma-glutamyltransferase 2

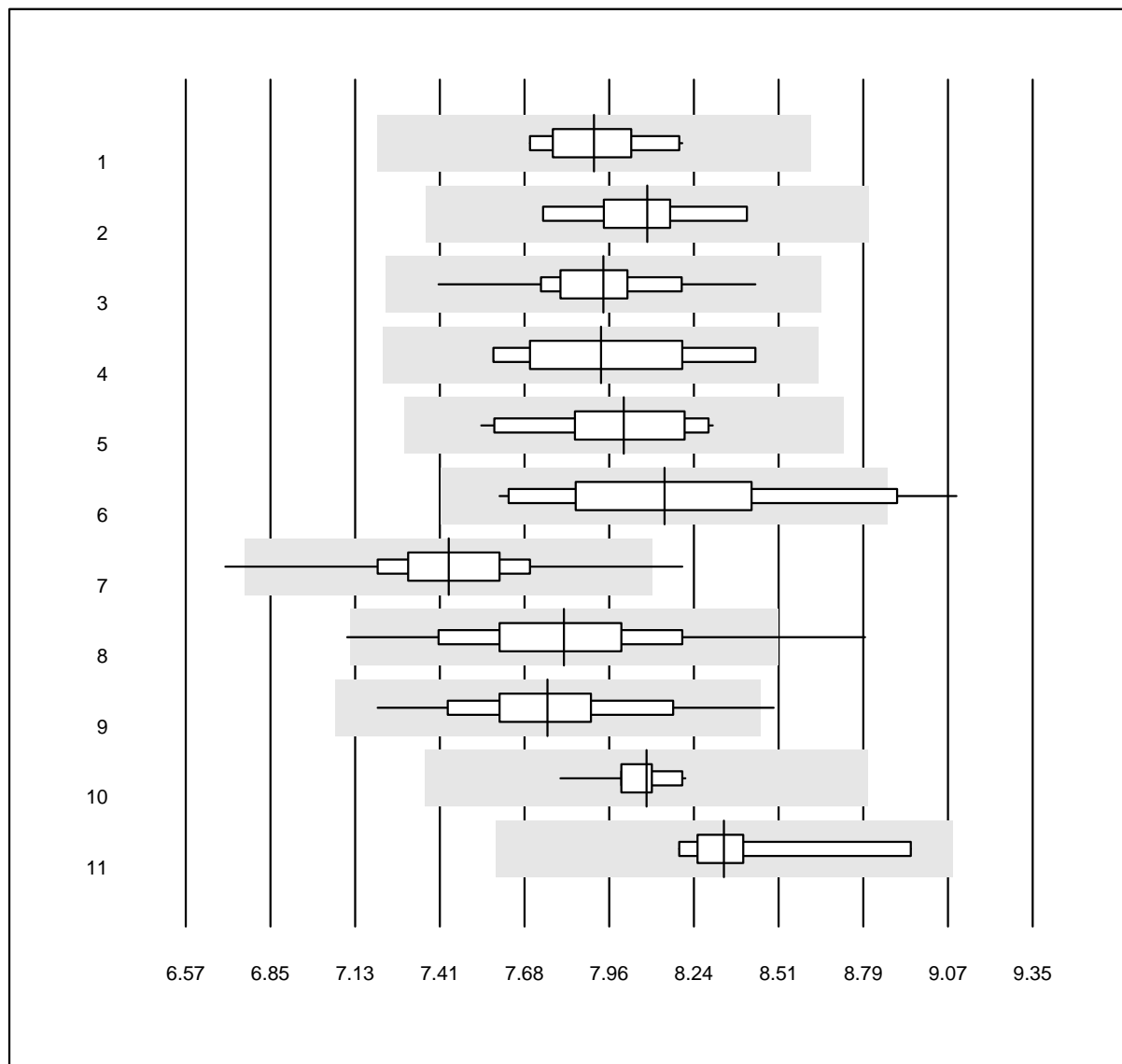


QUALAB Toleranz: 18%

No. Method	Gamma-glutamyltransferase				Target Value	VK %	Type
	Total	% OK	% insuff.	% outlier			
12 Vitros	7	100.0	0.0	0.0	87	1.5	e
13 Cobas	49	98.0	2.0	0.0	59	6.2	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose 1



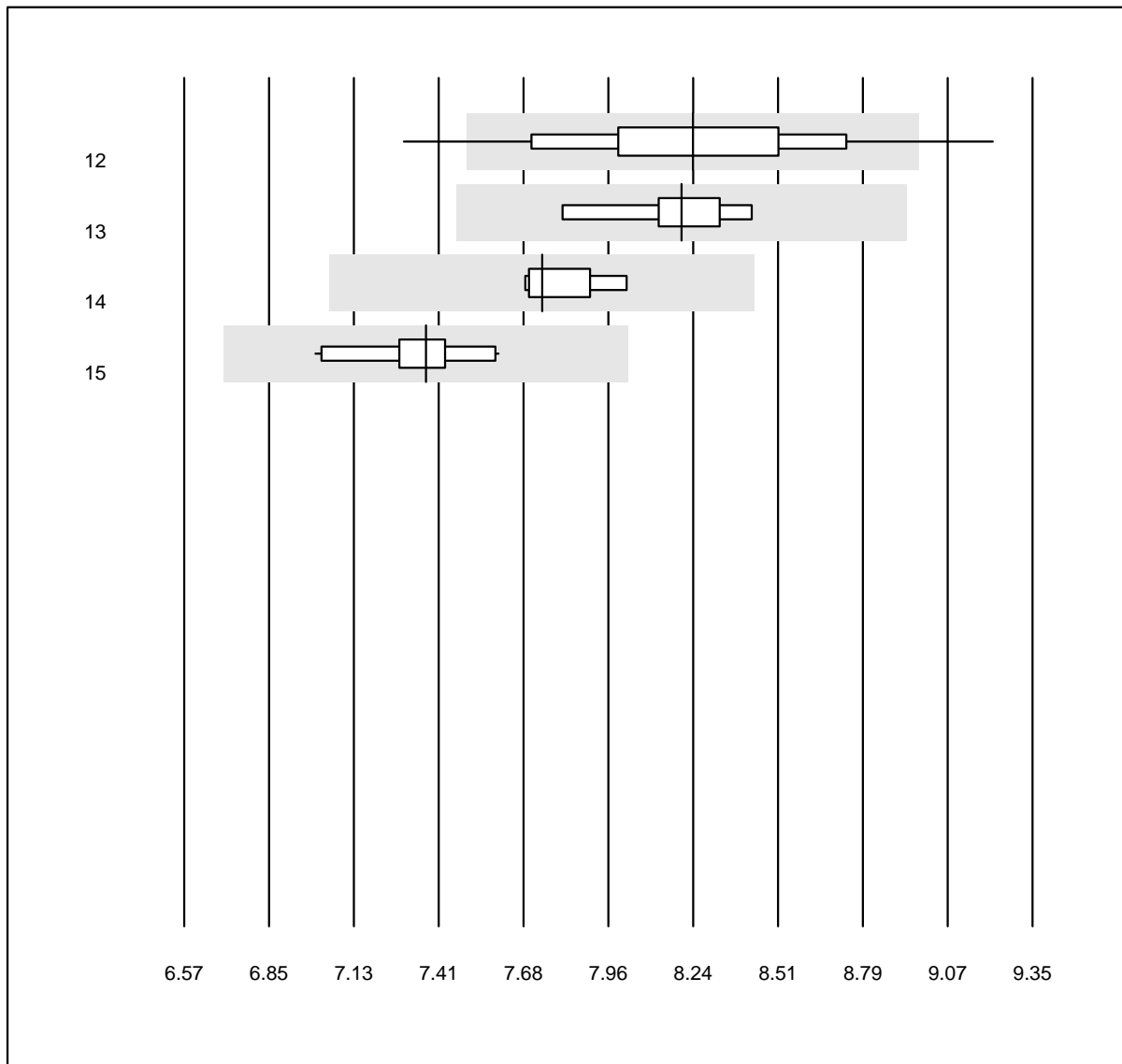
QUALAB Toleranz: 9%

Glucose (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	7.9	2.1	e
2 Beckman	6	100.0	0.0	0.0	8.1	2.2	e
3 Roche	51	100.0	0.0	0.0	7.9	2.3	e
4 Siemens	7	100.0	0.0	0.0	7.9	3.6	e*
5 Autolyser	20	100.0	0.0	0.0	8.0	2.9	e
6 Selectra Pro	16	81.2	6.2	12.5	8.1	5.2	e*
7 Fuji Dri-Chem	1119	99.3	0.2	0.5	7.4	2.6	e
8 Spotchem D-Concept	603	97.0	2.0	1.0	7.8	3.8	e
9 Spotchem SP-4430	92	97.8	2.2	0.0	7.8	3.4	e
10 Piccolo	68	98.5	0.0	1.5	8.1	1.1	e
11 Seamaty	9	100.0	0.0	0.0	8.3	2.7	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose 2



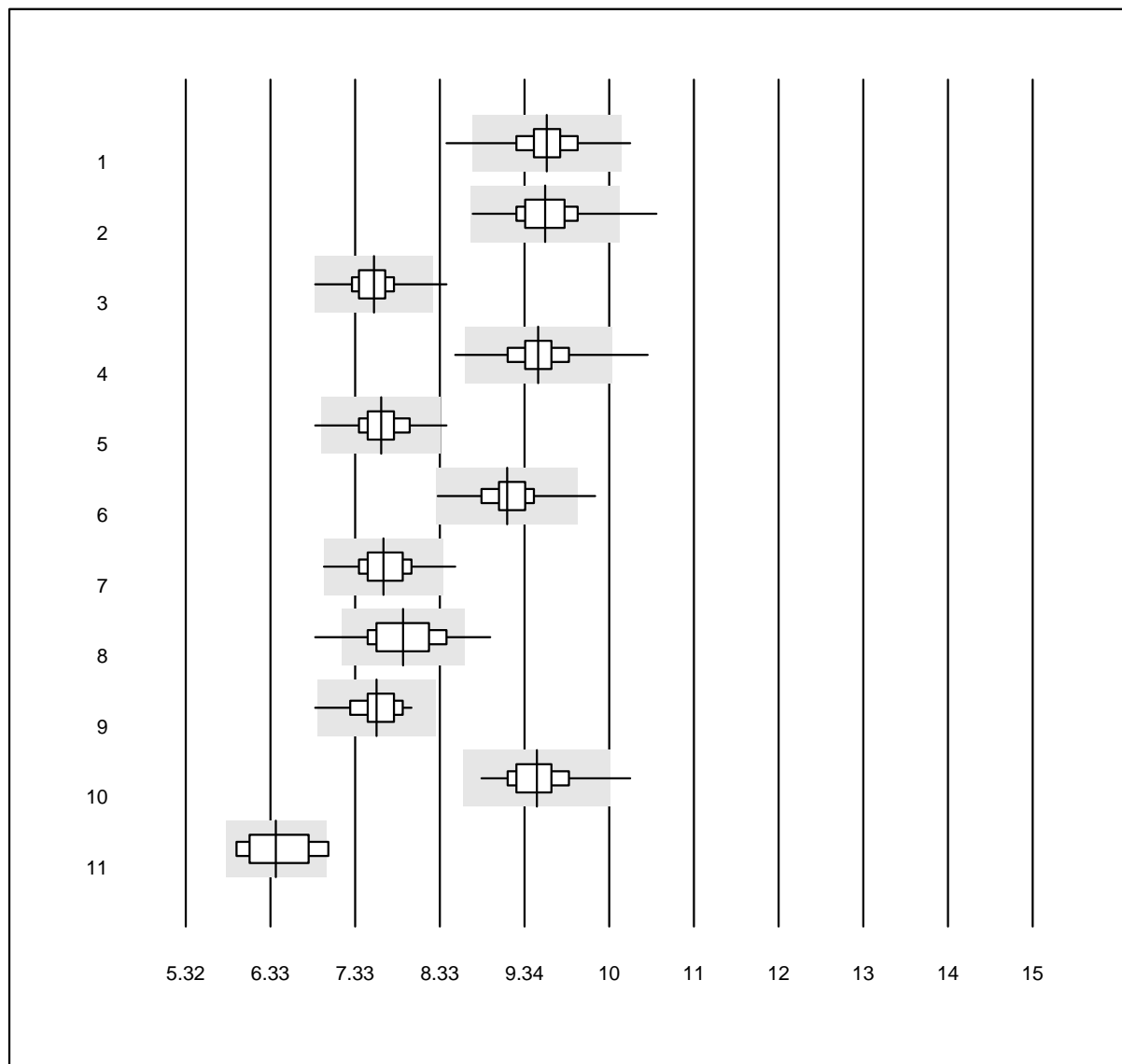
QUALAB Toleranz: 9%

Glucose (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Cholestech LDX	214	91.6	5.6	2.8	8.2	4.7	e
13 Skyla	6	100.0	0.0	0.0	8.2	2.0	e
14 Vitros	7	100.0	0.0	0.0	7.7	1.5	e
15 iStat Chem8	10	100.0	0.0	0.0	7.4	2.2	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose BGM 1



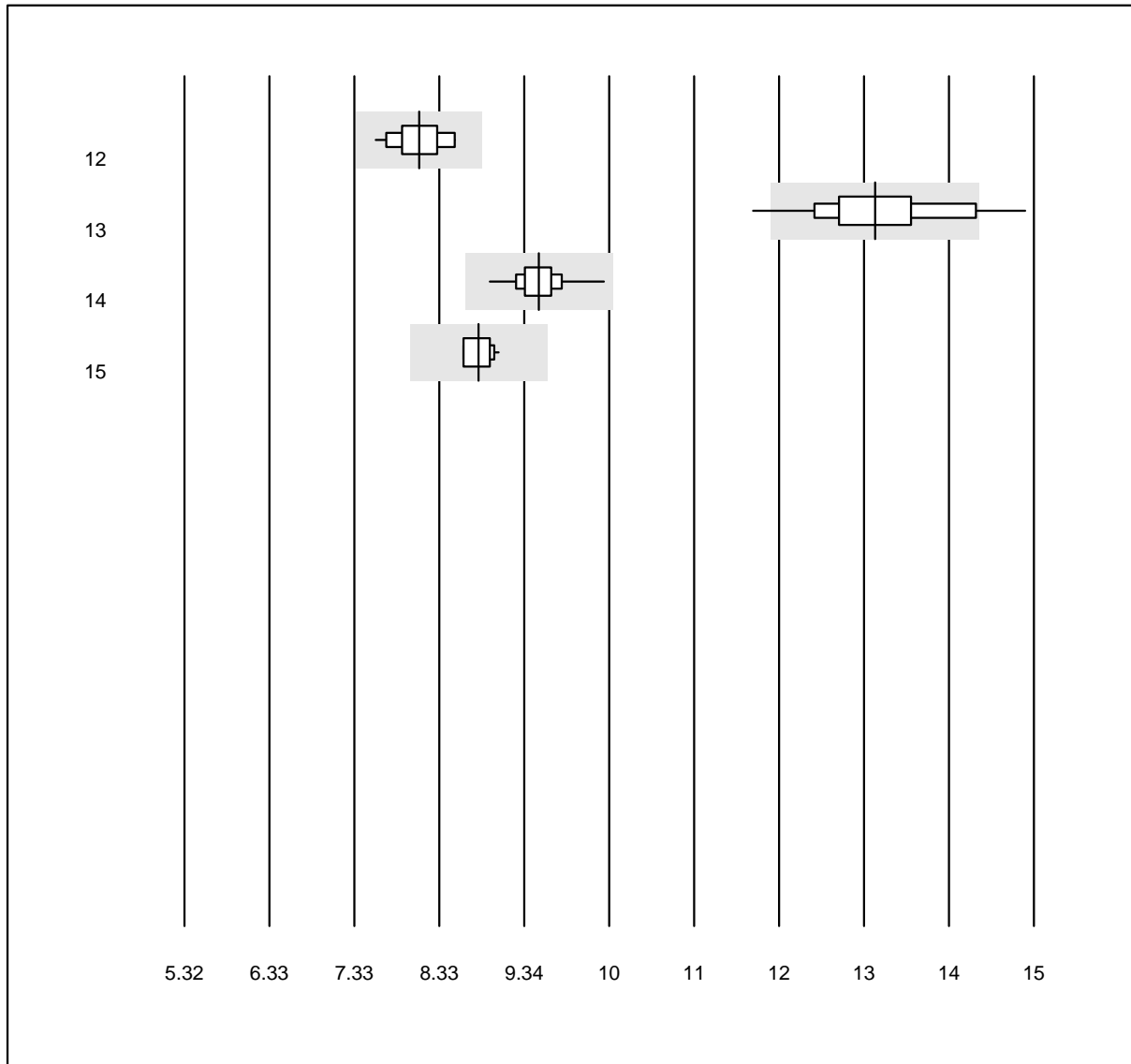
QUALAB Toleranz: 9%

Glucose BGM (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Hemocue 201RT P-equiv	145	94.5	1.4	4.1	9.4	3.0	e
2 Hemocue 201+ P-equiv	147	94.6	1.4	4.1	9.4	3.3	e
3 Cobas Pulse	301	98.7	1.3	0.0	7.5	2.9	e
4 Accu-Chek Inform 2	930	98.2	1.3	0.5	9.3	2.9	e
5 Accu-Check Guide	324	98.5	0.6	0.9	7.6	3.1	e
6 Accu-Chek Aviva	80	95.0	1.2	3.8	9.0	2.8	e
7 Accu-Chek Instant	126	96.0	1.6	2.4	7.6	3.5	e
8 Contour NEXT/XT	1538	93.8	4.5	1.8	7.8	4.5	e
9 Statstrip/Xpress	110	97.3	1.8	0.9	7.5	3.0	e
10 Mylife UNIO	108	99.1	0.9	0.0	9.3	2.9	e
11 Contour 2 (5s)	4	100.0	0.0	0.0	6.3	5.5	e*

7 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose BGM 2



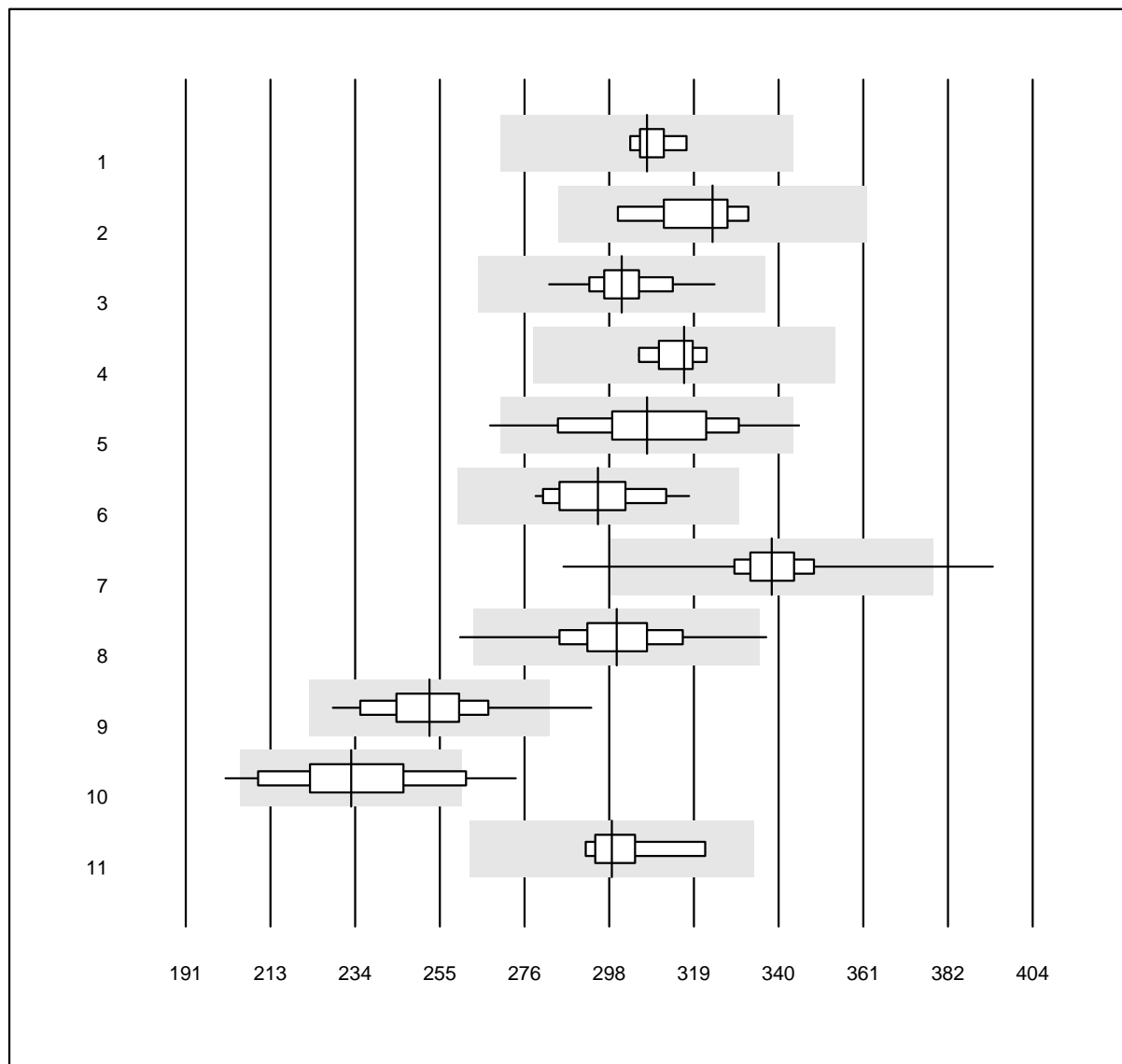
QUALAB Toleranz: 9%

Glucose BGM (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 OneTouch Verio	31	100.0	0.0	0.0	8.0	3.3	e
13 Healthpro	25	88.0	12.0	0.0	13.2	5.1	e
14 mylife Pura	37	100.0	0.0	0.0	9.4	2.7	e
15 Alpha Check	14	100.0	0.0	0.0	8.7	1.6	e

7 additional results were submitted but not published because the method groups were too small. (< results per group)

Uric Acid 1



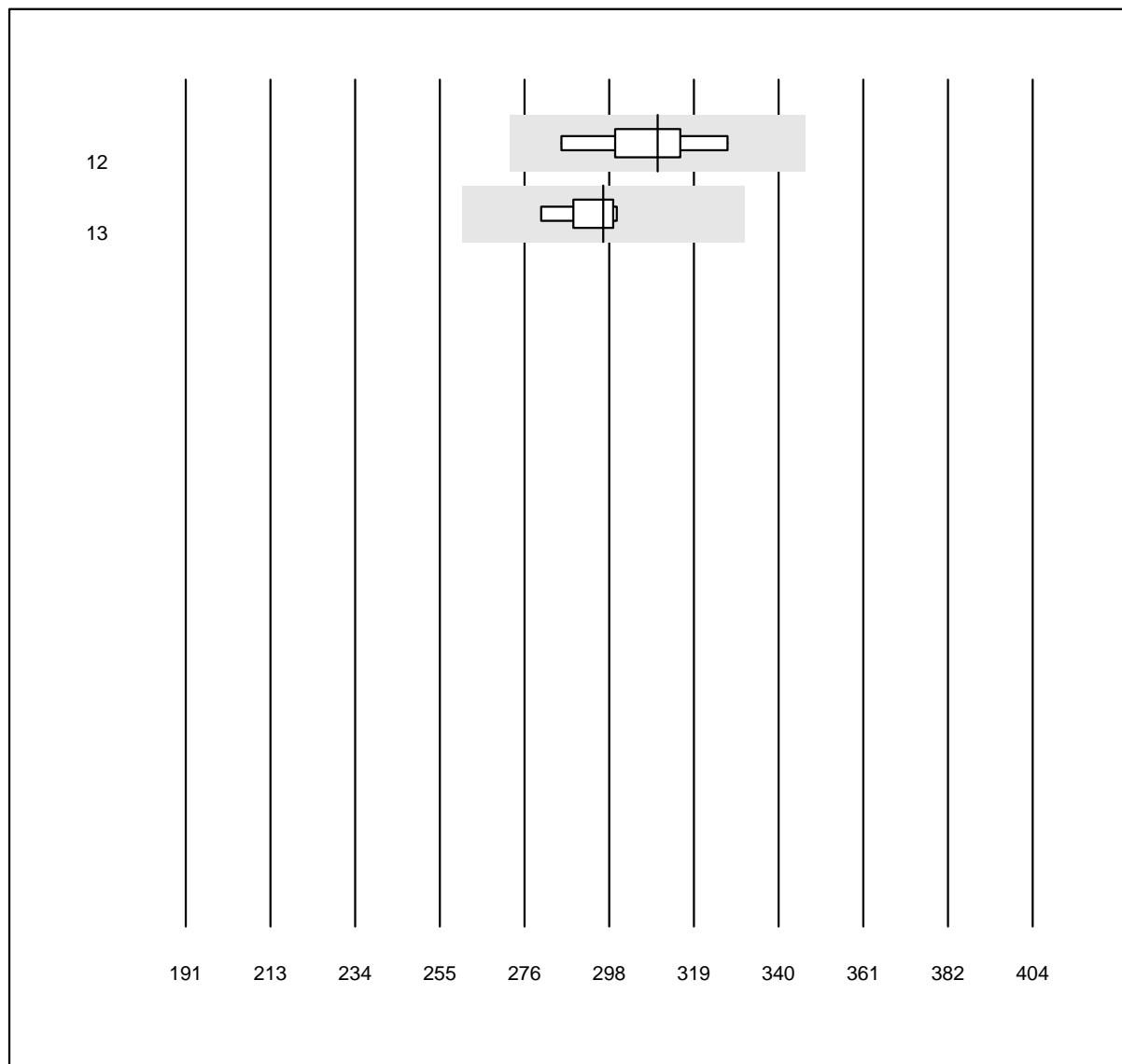
QUALAB Toleranz: 12%

Uric Acid (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	307	1.4	e
2 Beckman	6	100.0	0.0	0.0	324	3.1	e
3 Roche	44	100.0	0.0	0.0	301	2.8	e
4 Siemens	9	100.0	0.0	0.0	316	1.9	e
5 Autolyser	20	90.0	10.0	0.0	307	5.8	e
6 Selectra Pro	16	93.8	0.0	6.2	295	3.5	e
7 Fuji Dri-Chem	1089	99.0	0.6	0.5	338	2.7	e
8 Spotchem D-Concept	601	99.2	0.3	0.5	299	4.0	e
9 Spotchem SP-4430	93	92.5	2.2	5.4	252	5.0	e
10 Piccolo	34	73.5	14.7	11.8	233	7.8	e
11 Vitros	7	100.0	0.0	0.0	298	3.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Uric Acid 2



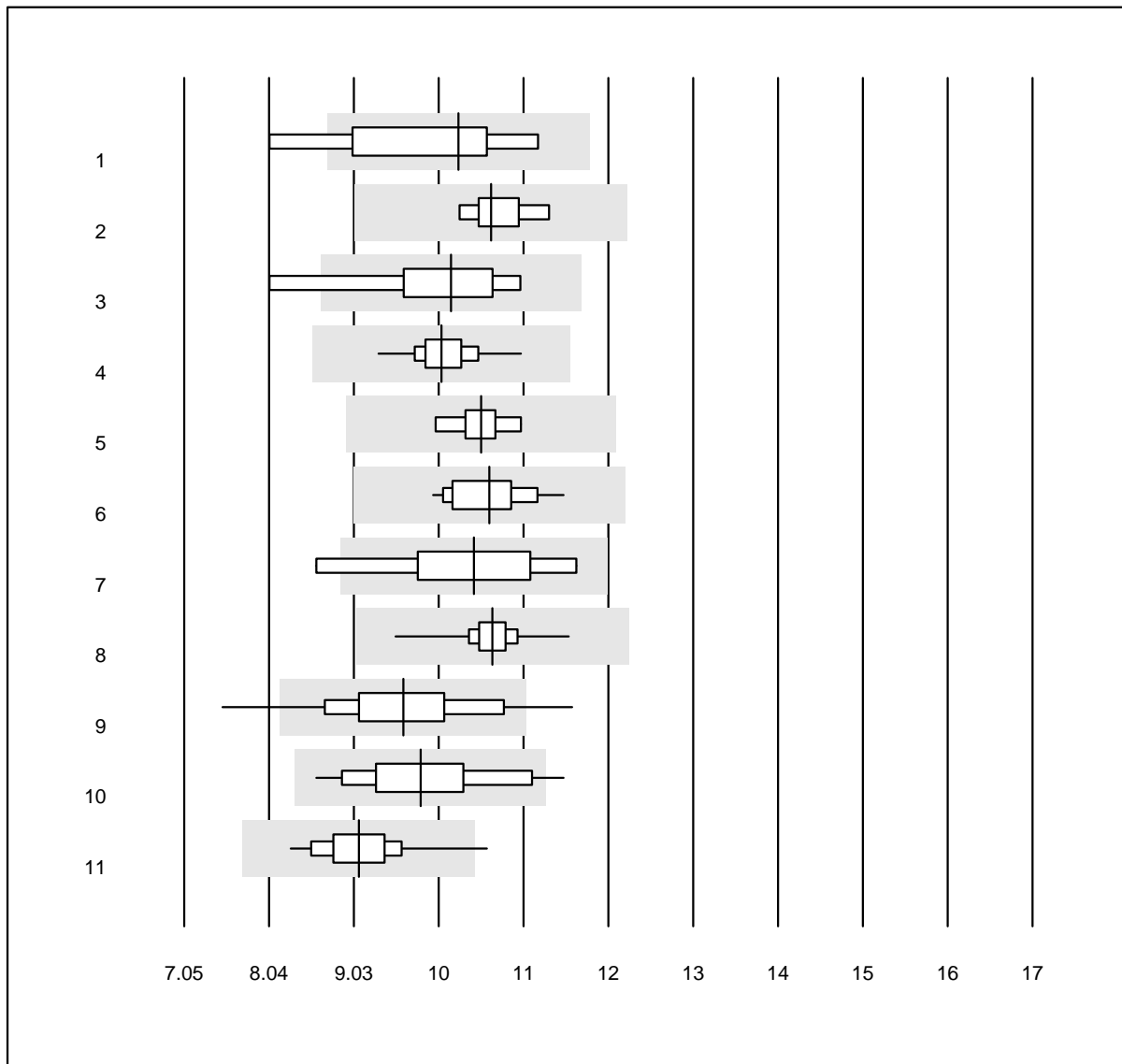
QUALAB Toleranz: 12%

Uric Acid (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Seamaty	9	100.0	0.0	0.0	310	4.0	e
13 Skyla	5	100.0	0.0	0.0	296	2.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Urea 1



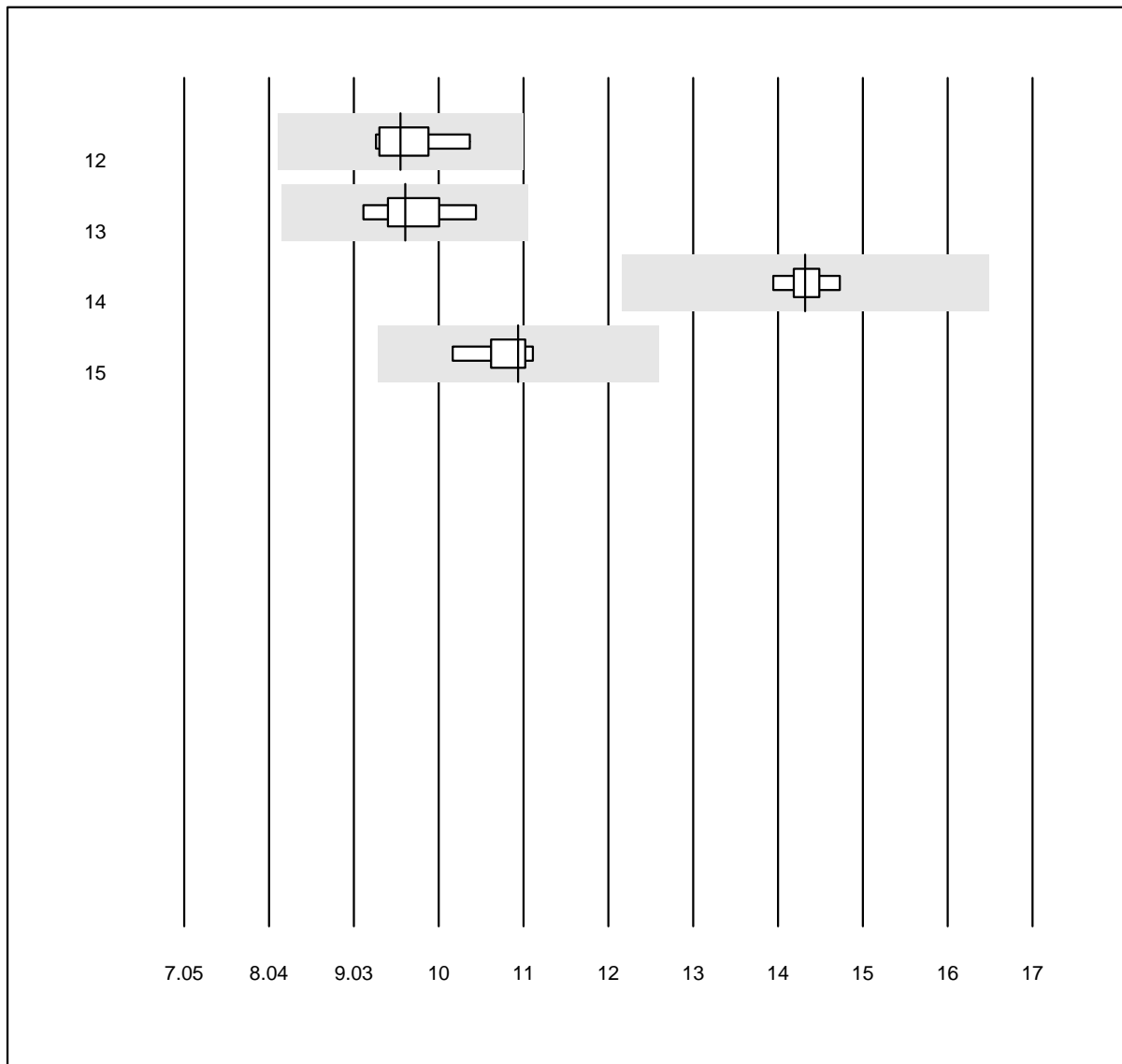
QUALAB Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 EPOC	5	60.0	20.0	20.0	10.3	8.8	e*
2 Abbott	8	100.0	0.0	0.0	10.7	3.0	e
3 Beckman	6	83.3	16.7	0.0	10.2	8.3	e*
4 Roche	46	100.0	0.0	0.0	10.1	3.0	e
5 Siemens	9	100.0	0.0	0.0	10.5	2.7	e
6 Autolyser	18	100.0	0.0	0.0	10.6	3.7	e
7 Selectra Pro	10	80.0	10.0	10.0	10.4	9.1	e*
8 Fuji Dri-Chem	650	99.5	0.0	0.5	10.7	2.3	e
9 Spotchem D-Concept	335	90.1	7.8	2.1	9.6	8.2	e
10 Spotchem SP-4430	46	93.5	6.5	0.0	9.8	7.8	e
11 Piccolo	64	96.9	1.6	1.6	9.1	4.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Urea 2



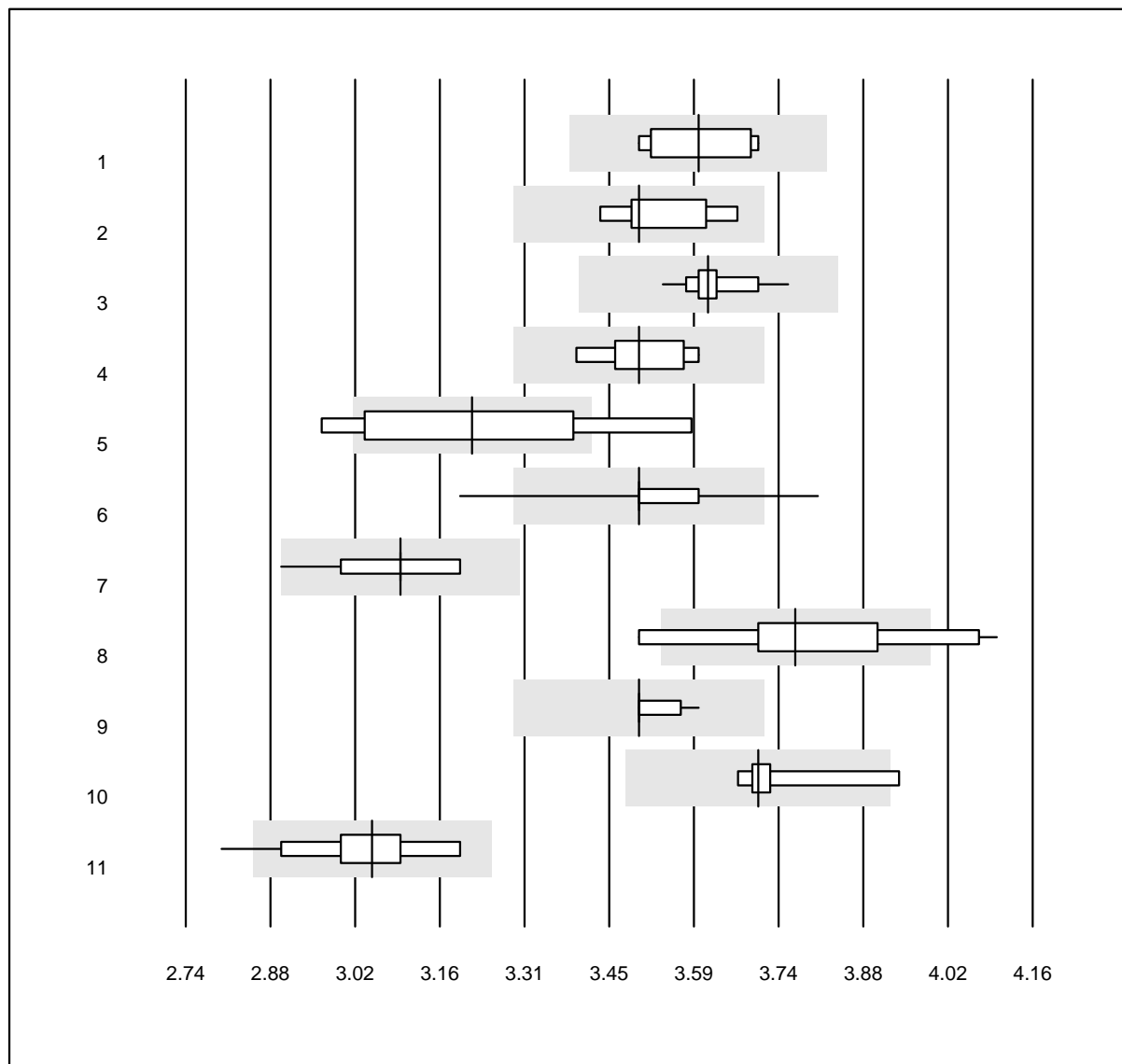
QUALAB Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Seamaty	9	100.0	0.0	0.0	9.6	3.8	e
13 Vitros	7	100.0	0.0	0.0	9.6	4.2	e
14 iStat Chem8	7	100.0	0.0	0.0	14.3	1.6	e
15 Skyla	5	100.0	0.0	0.0	11.0	2.6	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Potassium 1



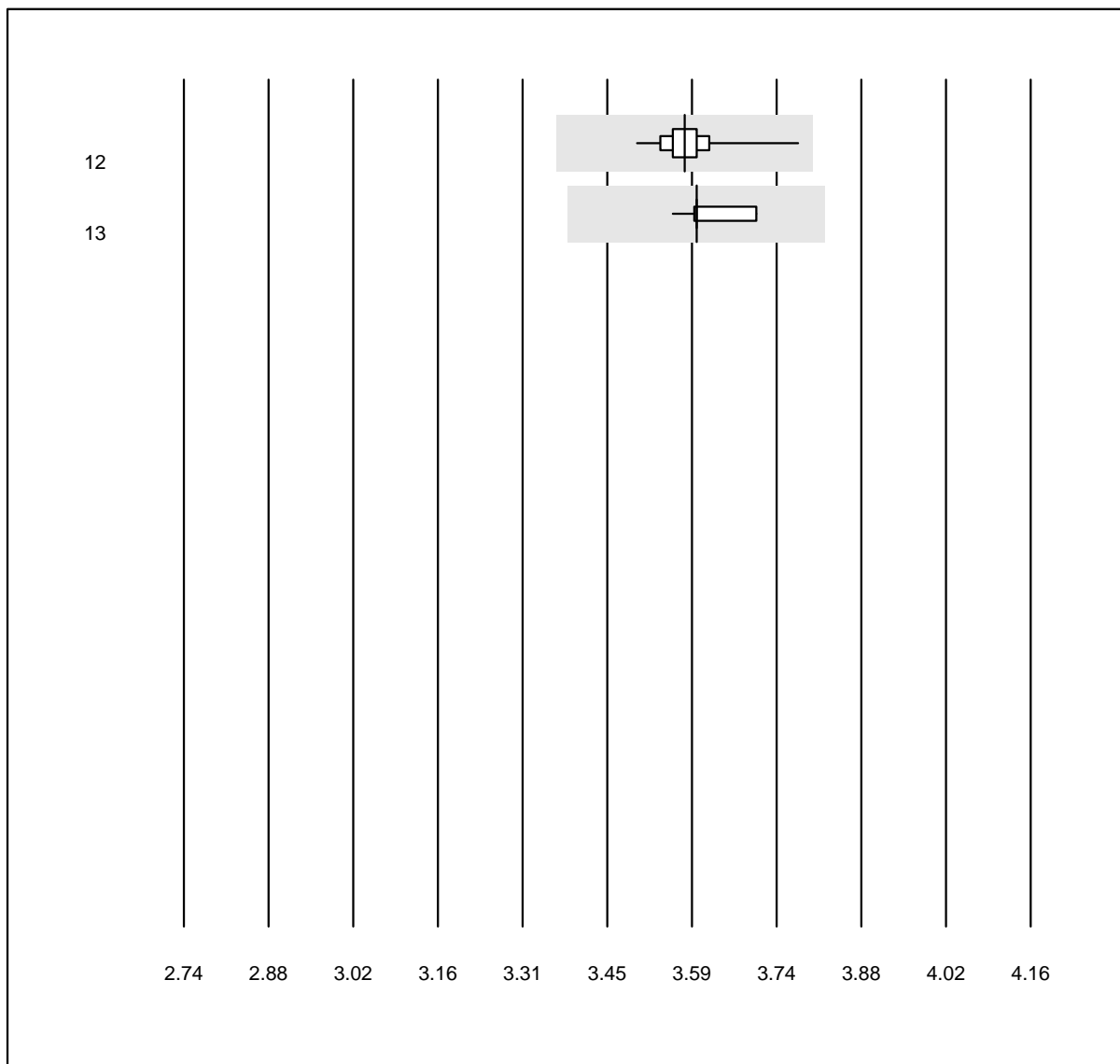
QUALAB Toleranz: 6%

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	3.60	2.2	e*
2 Beckman	6	100.0	0.0	0.0	3.50	2.1	e*
3 Roche	48	100.0	0.0	0.0	3.62	1.2	e
4 Siemens	8	100.0	0.0	0.0	3.50	1.9	e
5 Autolyser	6	50.0	33.3	16.7	3.22	6.1	e*
6 Fuji Dri-Chem	1134	98.3	0.4	1.3	3.50	1.4	e
7 Spotchem D-Concept	491	97.1	1.2	1.6	3.10	2.0	e
8 Piccolo	35	42.9	20.0	37.1	3.76	4.6	e*
9 iStat Chem8	12	100.0	0.0	0.0	3.50	0.8	e
10 Vitros	7	100.0	0.0	0.0	3.70	2.1	e*
11 Spotchem EL-SE 1520	64	95.3	4.7	0.0	3.05	3.1	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Potassium 2



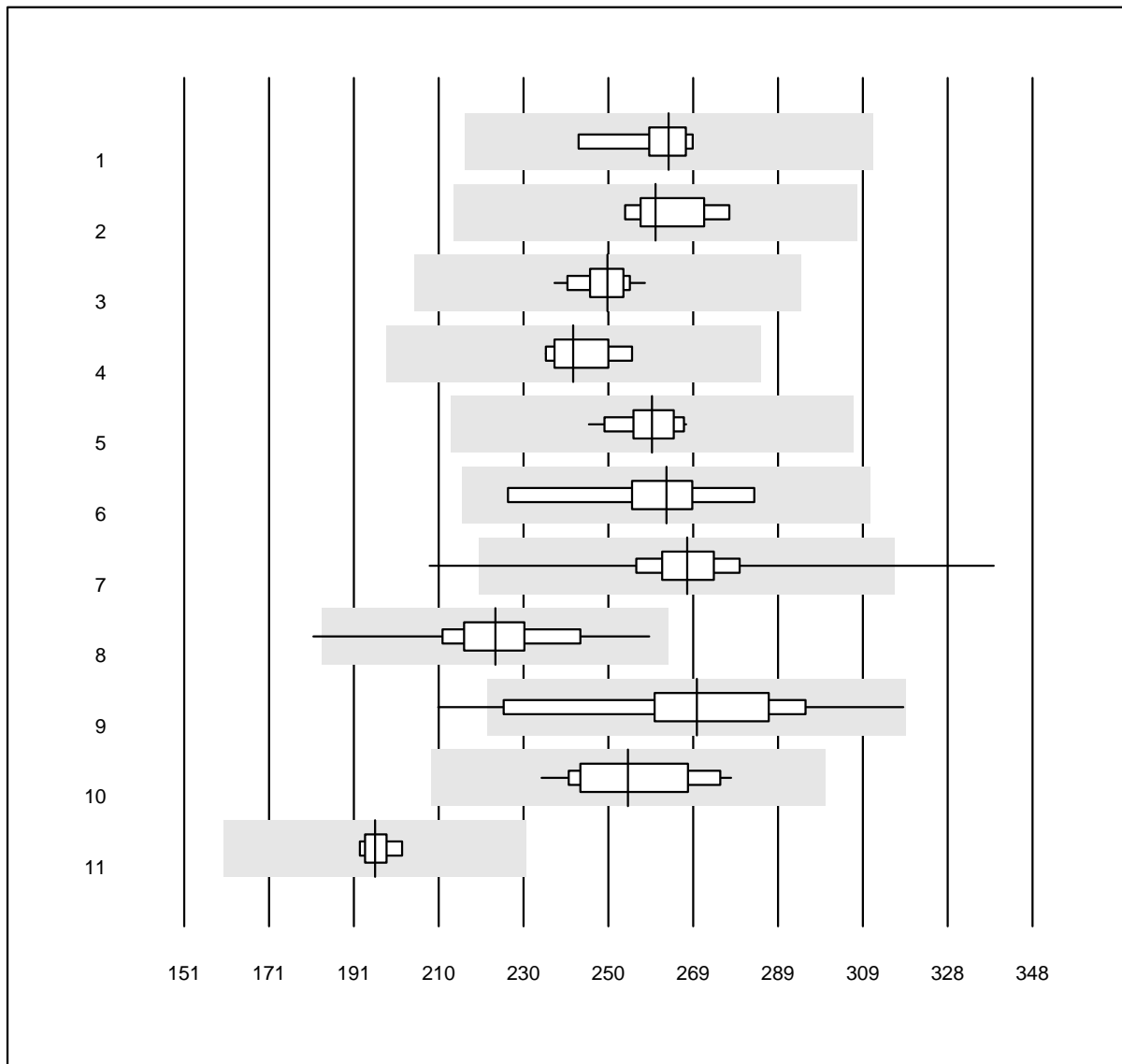
QUALAB Toleranz: 6%

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Exias	69	98.6	0.0	1.4	3.58	1.2	e
13 i-Smart 30 PRO	18	100.0	0.0	0.0	3.60	1.0	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatine kinase 1



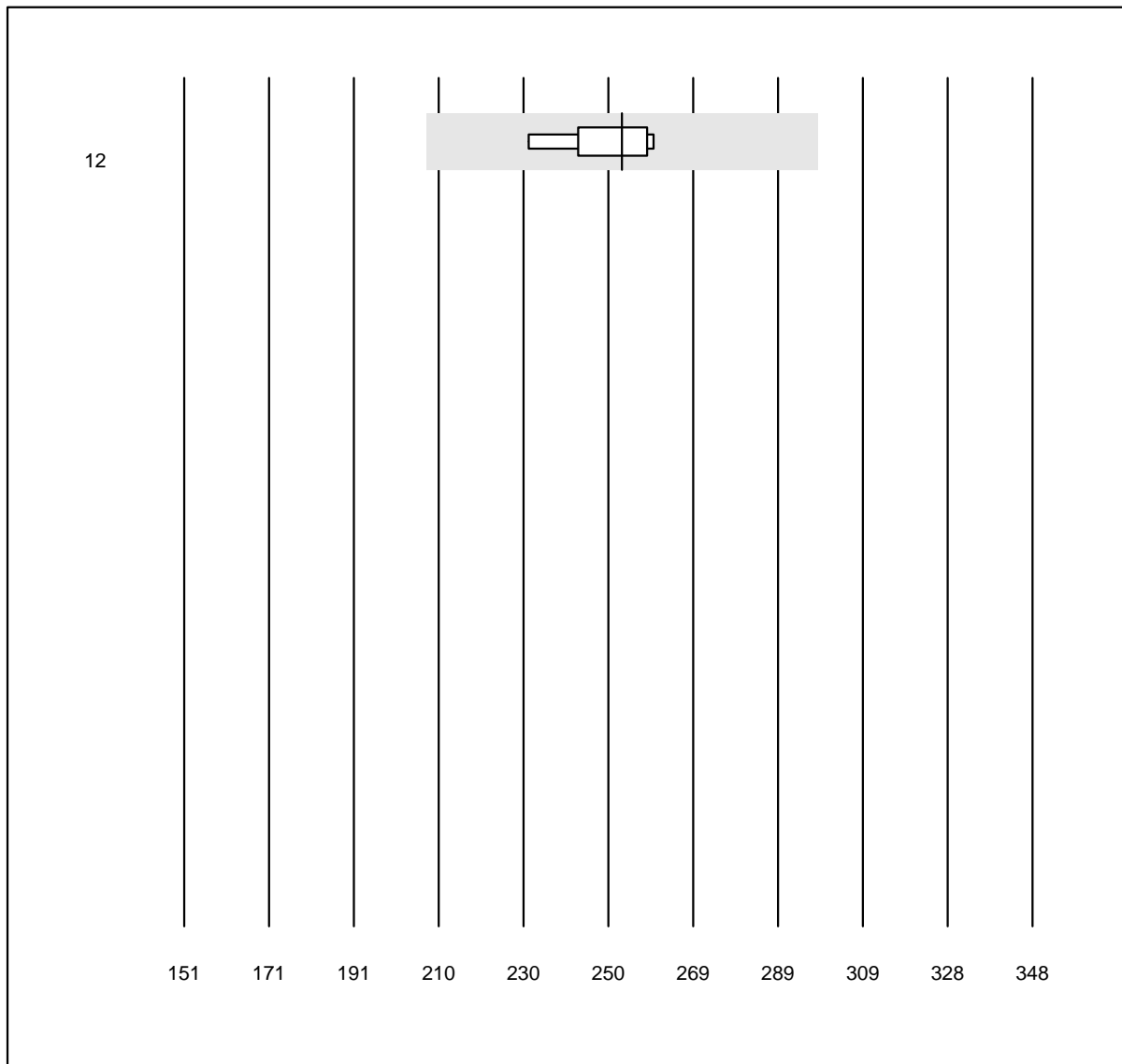
QUALAB Toleranz: 18%

Creatine kinase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	264	3.0	e
2 Beckman	6	83.3	0.0	16.7	260	3.0	e
3 Roche	44	100.0	0.0	0.0	249	2.1	e
4 Siemens	9	100.0	0.0	0.0	241	2.9	e
5 Autolyser	18	100.0	0.0	0.0	260	2.4	e
6 Selectra Pro	7	100.0	0.0	0.0	263	5.9	e*
7 Fuji Dri-Chem	690	97.8	1.3	0.9	268	4.6	e
8 Spotchem D-Concept	329	98.5	0.3	1.2	223	5.5	e
9 Spotchem SP-4430	37	89.2	8.1	2.7	270	9.2	e
10 Piccolo	22	100.0	0.0	0.0	254	5.3	e
11 Vitros	7	100.0	0.0	0.0	195	1.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatine kinase 2



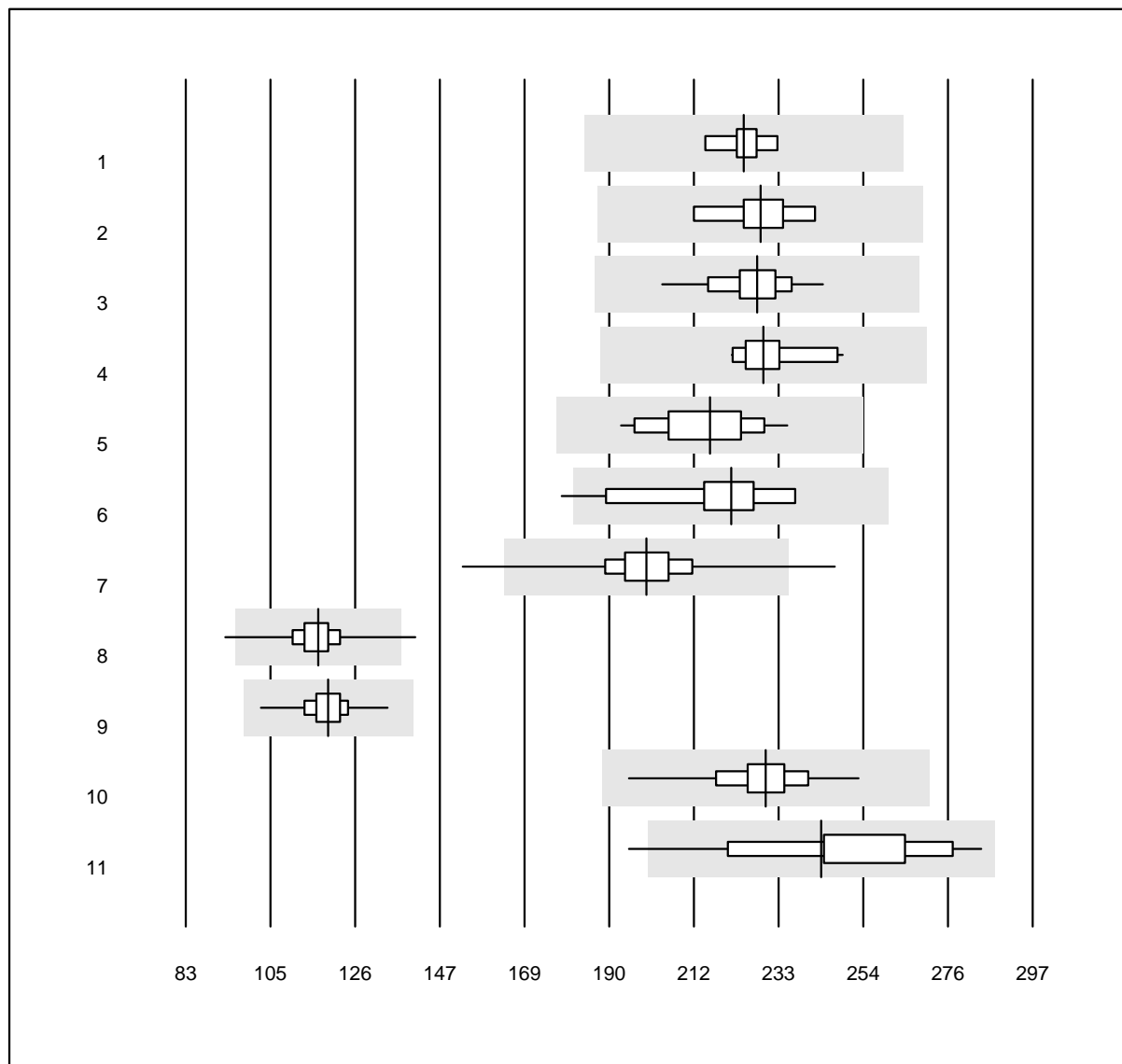
QUALAB Toleranz: 18%

Creatine kinase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Seamaty	9	100.0	0.0	0.0	253	4.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine 1



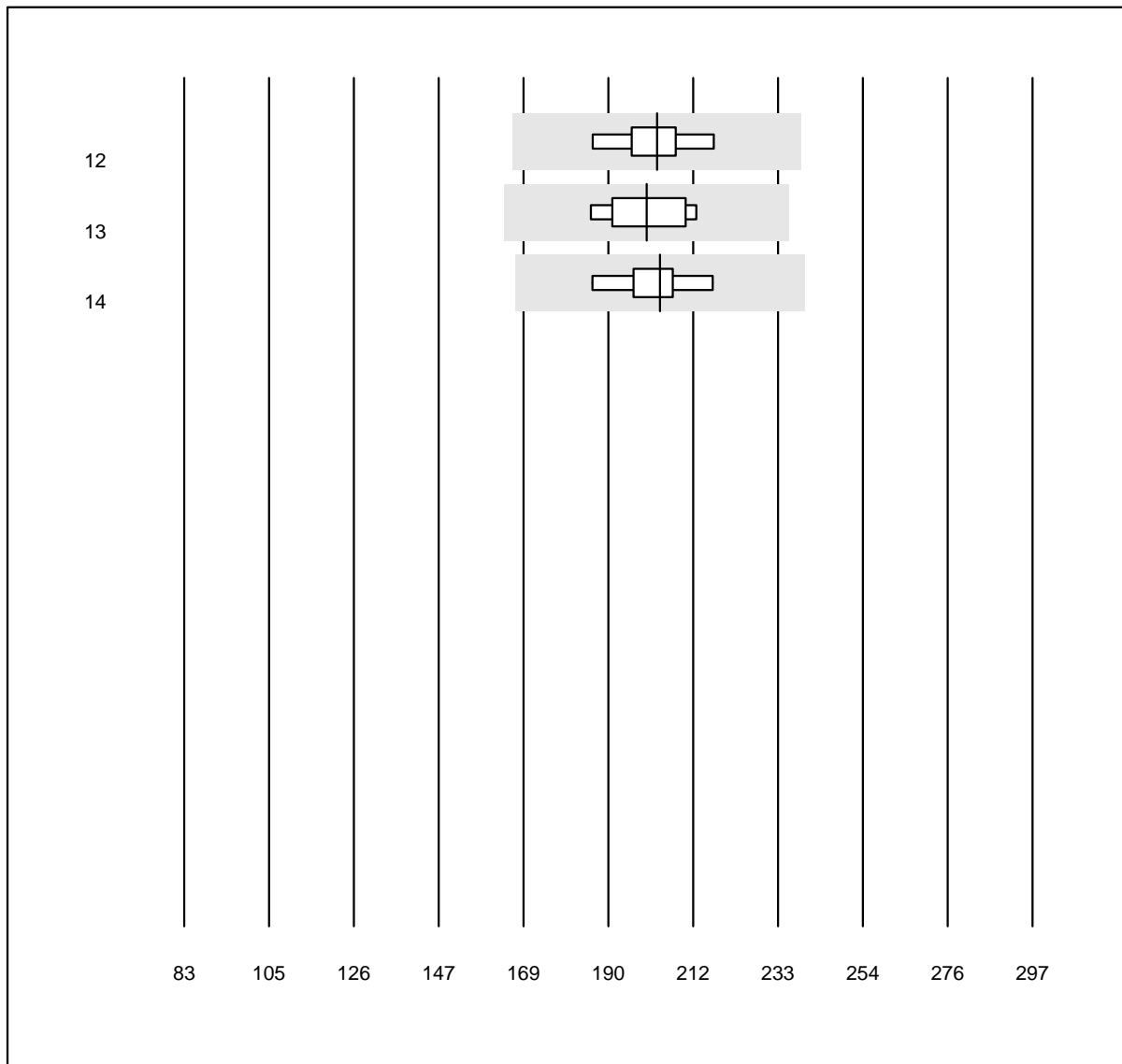
QUALAB Toleranz: 18%

Creatinine (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	224	2.2	e
2 Beckman	6	100.0	0.0	0.0	228	3.5	e
3 Roche	48	100.0	0.0	0.0	227	3.6	e
4 Siemens	10	100.0	0.0	0.0	229	3.5	e
5 Autolyser	23	100.0	0.0	0.0	215	5.4	e
6 Selectra Pro	17	94.1	5.9	0.0	221	6.8	e
7 Fuji Dri-Chem	1206	99.1	0.3	0.6	199	4.3	e
8 Spotchem D-Concept	658	99.2	0.3	0.5	116	4.3	e
9 Spotchem SP-4430	134	100.0	0.0	0.0	119	4.0	e
10 Piccolo	66	100.0	0.0	0.0	230	4.3	e
11 EPOC	21	81.0	4.8	14.3	244	8.2	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine 2



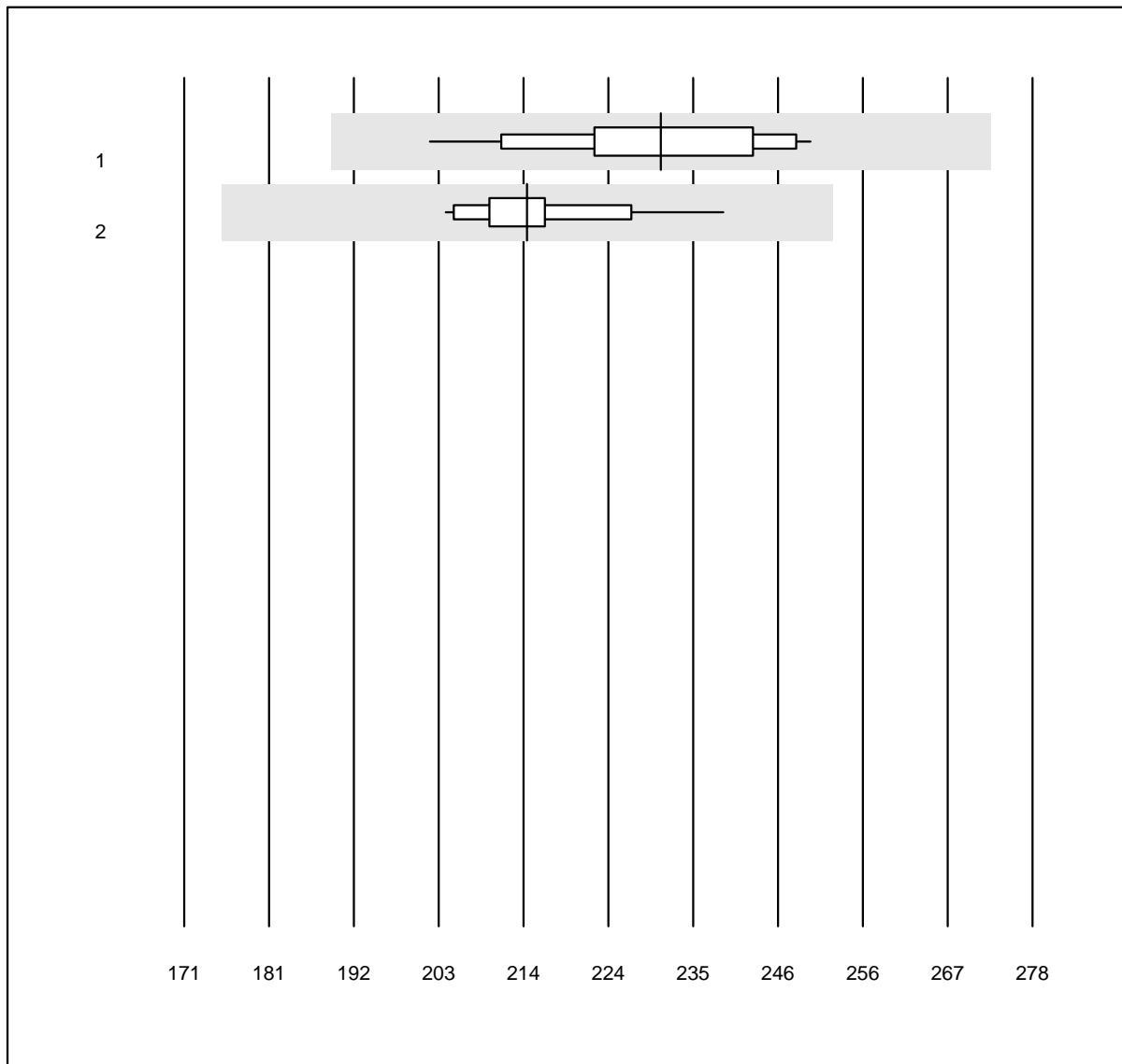
QUALAB Toleranz: 18%

Creatinine (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	202	4.3	e
13 Skyla	5	100.0	0.0	0.0	200	4.8	e*
14 Seamaty	9	100.0	0.0	0.0	203	4.3	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine E

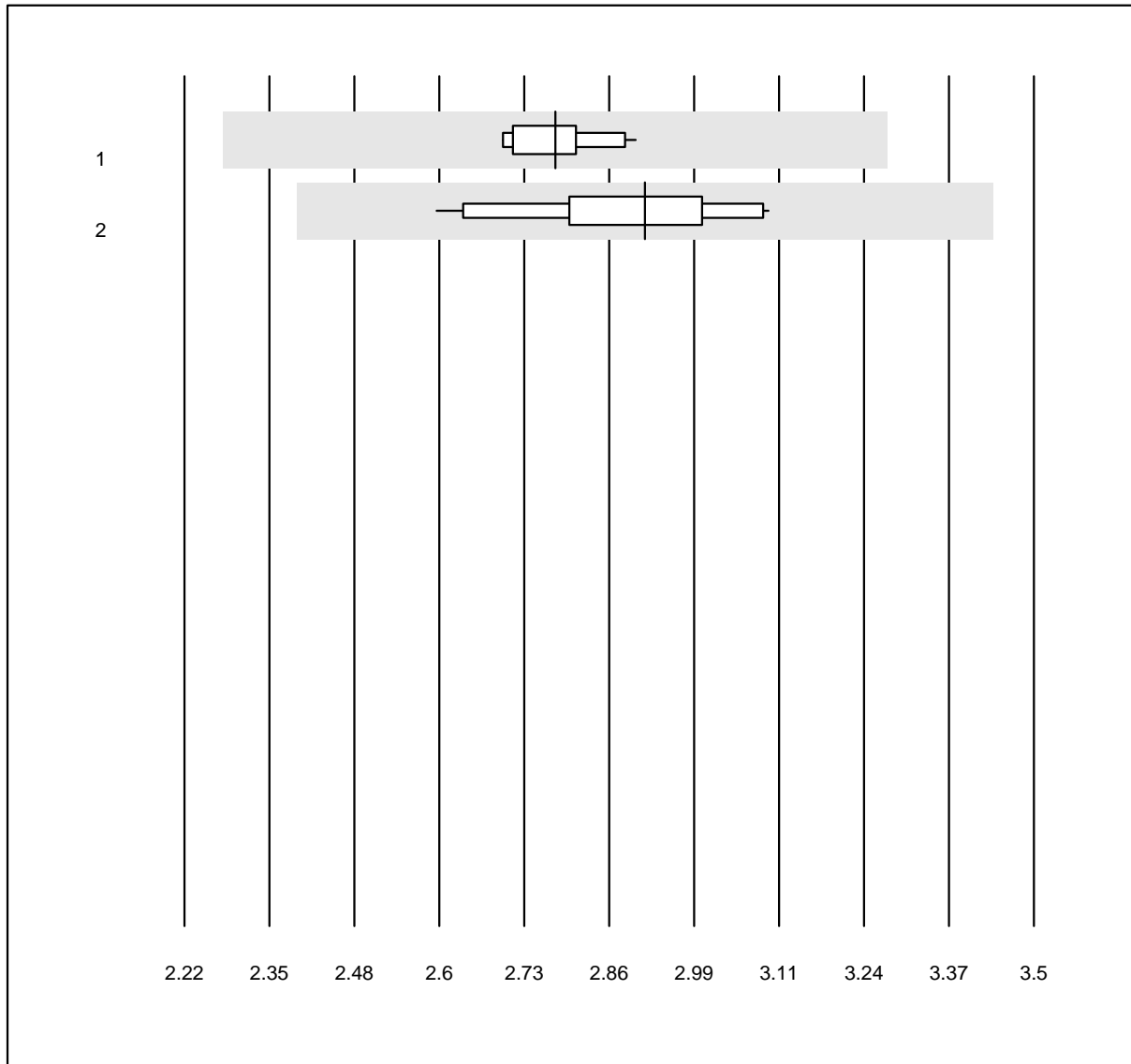


QUALAB Toleranz: 18%

Creatinine E (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	18	100.0	0.0	0.0	231	5.8	e
2 iStat Chem8	45	100.0	0.0	0.0	214	3.8	e

Lactate



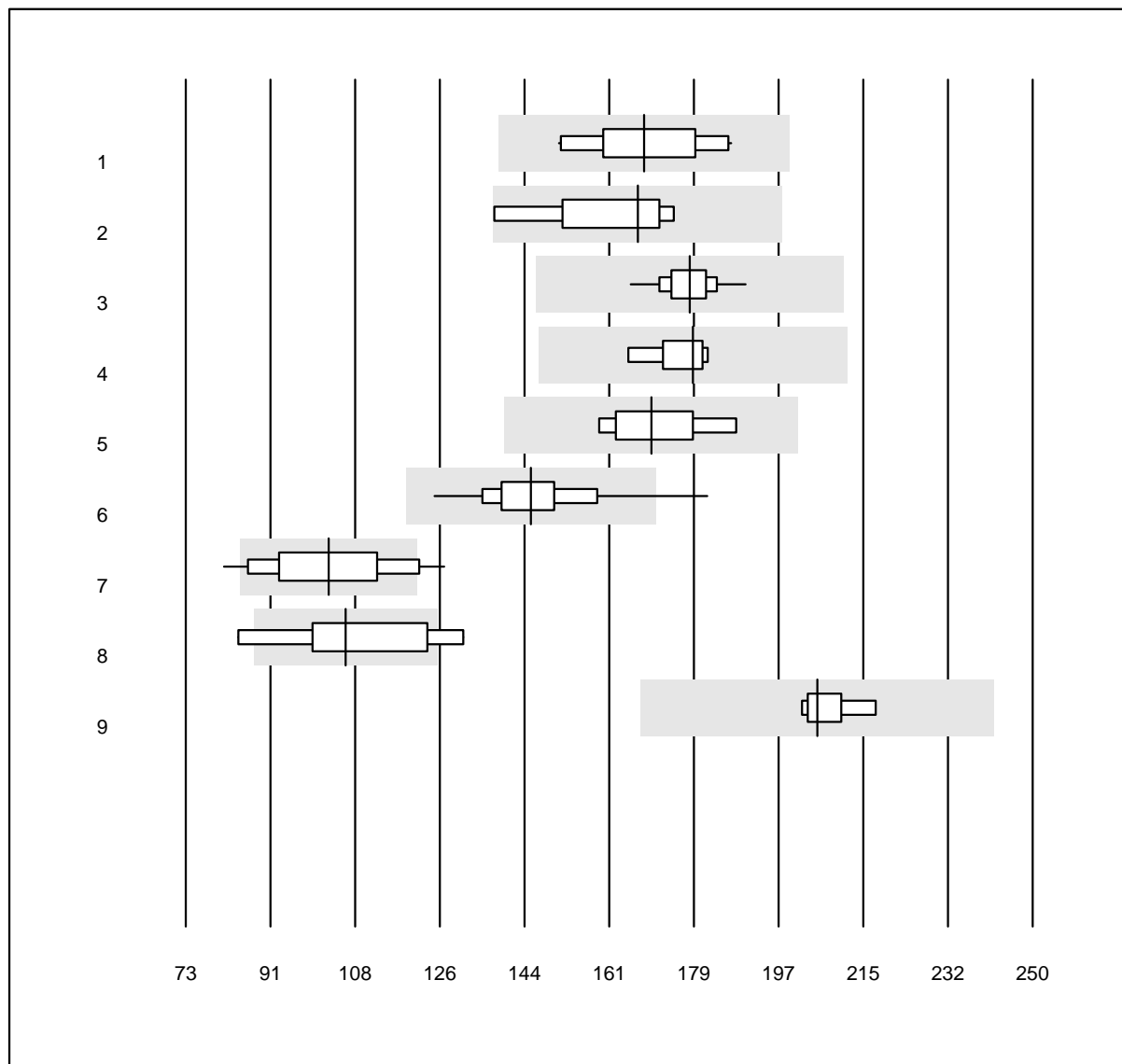
QUALAB Toleranz: 18%

Lactate (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	17	100.0	0.0	0.0	2.78	2.2	e
2 Other methods	11	100.0	0.0	0.0	2.91	4.9	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

LDH



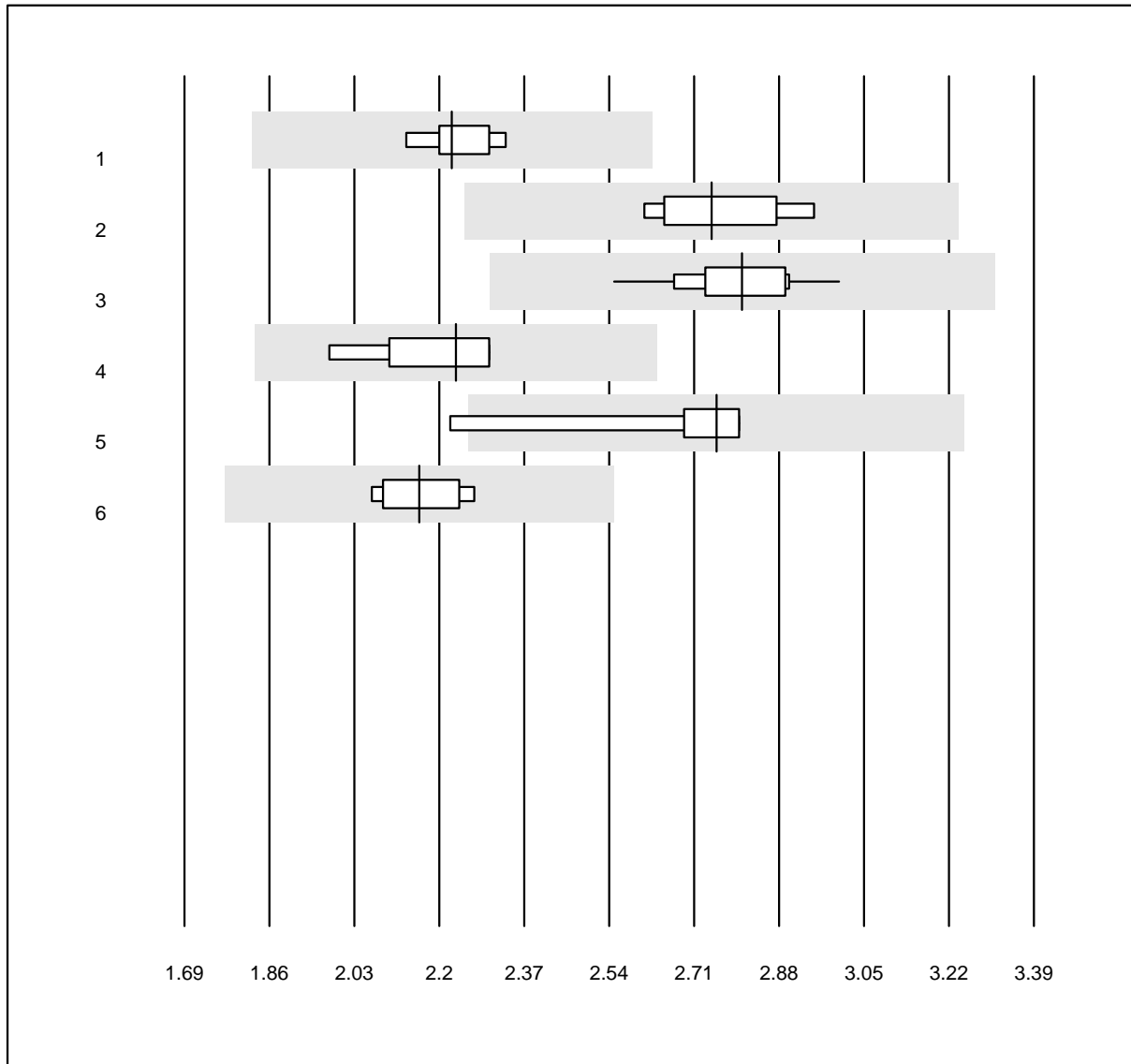
QUALAB Toleranz: 18%

LDH (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	169	6.7	e
2 Beckman	4	100.0	0.0	0.0	168	7.0	e*
3 Roche	44	100.0	0.0	0.0	178	2.7	e
4 Siemens	8	100.0	0.0	0.0	179	3.2	e
5 Autolyser	7	100.0	0.0	0.0	170	5.9	e*
6 Fuji Dri-Chem	90	94.4	2.2	3.3	145	6.7	e
7 Spotchem D-Concept	29	75.9	10.3	13.8	103	12.2	e*
8 Spotchem SP-4430	10	60.0	30.0	10.0	106	13.7	e*
9 Vitros	7	100.0	0.0	0.0	205	2.4	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Cholesterol LDL

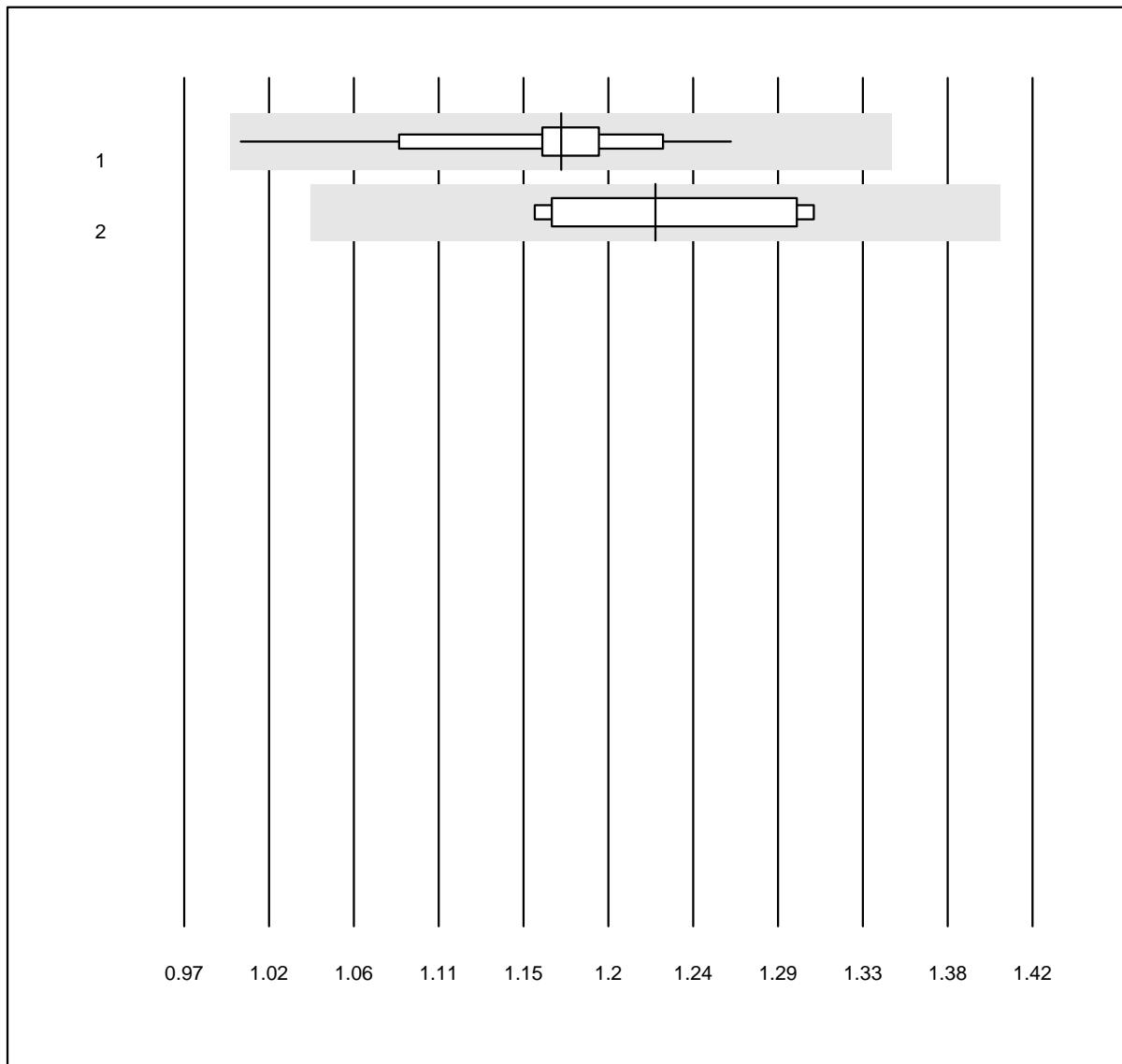


QUALAB Toleranz: 18%

Cholesterol LDL (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	2.2	2.9	e
2 Beckman	4	100.0	0.0	0.0	2.7	4.3	e
3 Roche	26	100.0	0.0	0.0	2.8	3.5	e
4 Siemens	7	100.0	0.0	0.0	2.2	5.2	e
5 Autolyser	8	87.5	0.0	12.5	2.8	6.5	e*
6 Selectra	6	66.7	0.0	33.3	2.2	3.7	e

Lithium



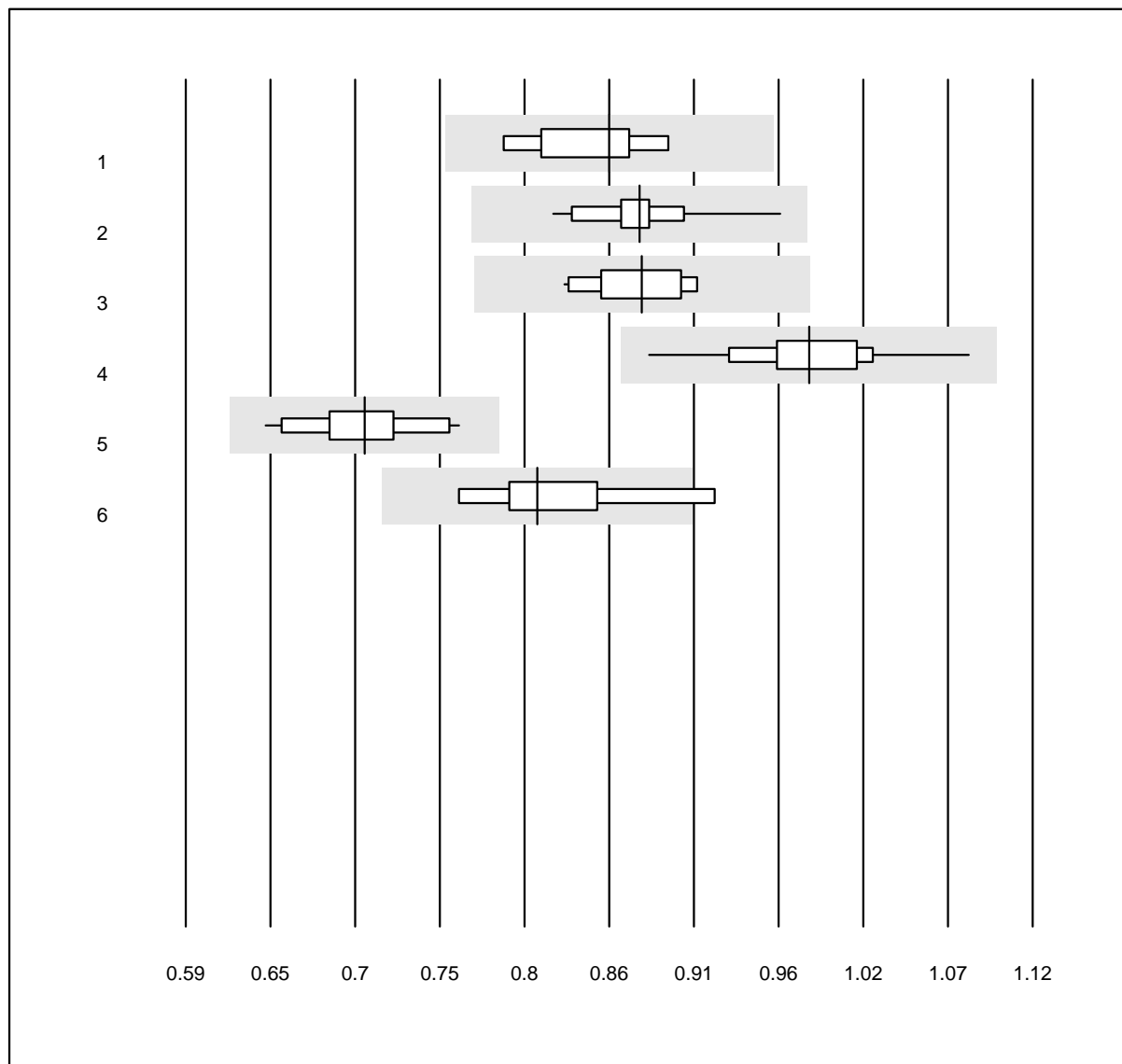
QUALAB Toleranz: 15%

Lithium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	1.17	4.6	a
2 Other methods	5	100.0	0.0	0.0	1.22	5.4	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Magnesium



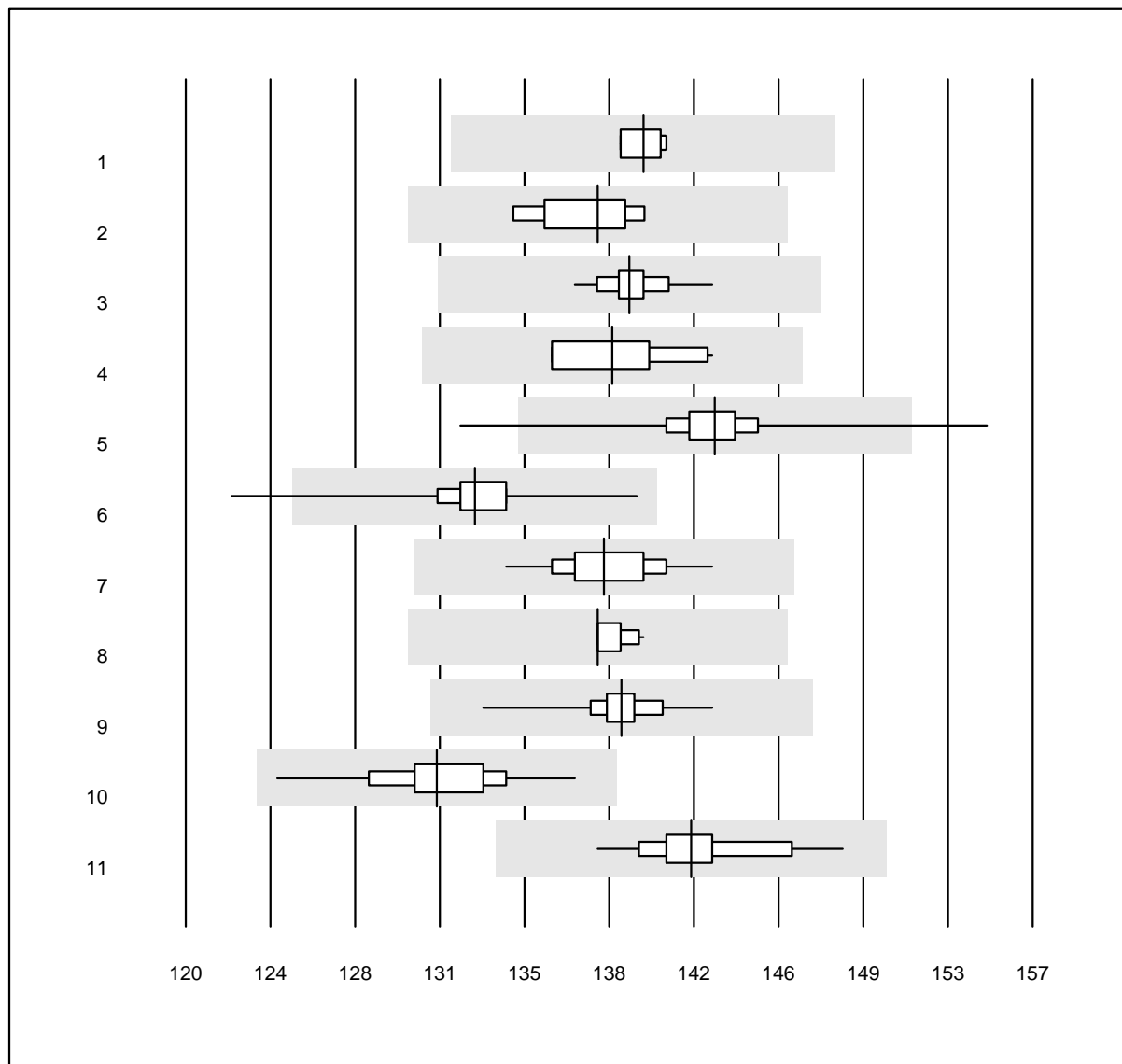
QUALAB Toleranz: 12%

Magnesium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	0.85	4.0	e
2 Roche	40	100.0	0.0	0.0	0.87	3.0	e
3 Siemens	11	100.0	0.0	0.0	0.88	3.1	e
4 Fuji Dri-Chem	48	97.9	0.0	2.1	0.98	3.7	e
5 Spotchem D-Concept	24	100.0	0.0	0.0	0.70	4.9	e
6 Vitros	6	100.0	0.0	0.0	0.81	5.4	e*

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Sodium 1



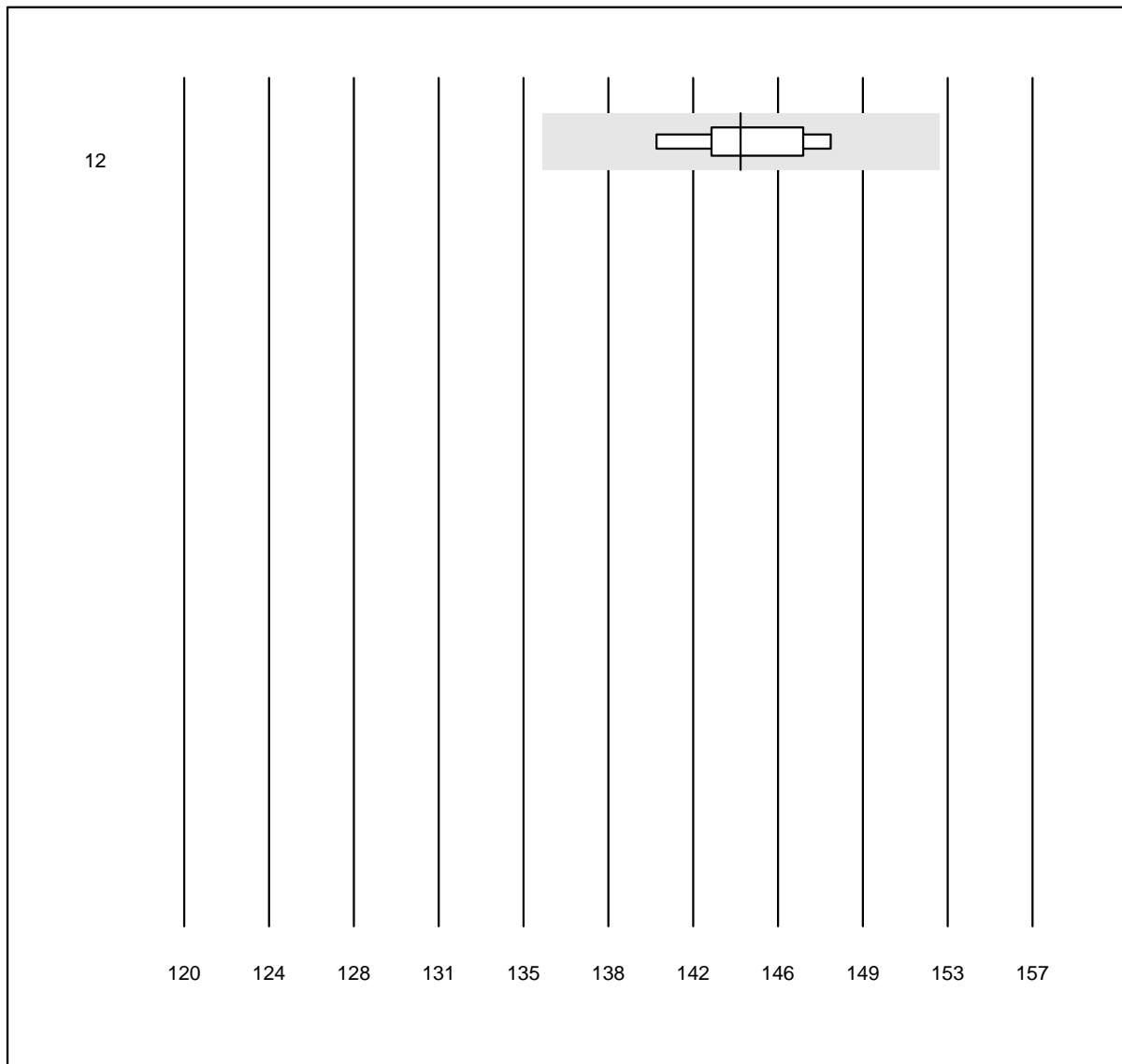
QUALAB Toleranz: 6%

Sodium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	140	0.6	e
2 Beckman	6	100.0	0.0	0.0	138	1.4	e
3 Roche	48	100.0	0.0	0.0	139	0.9	e
4 Siemens	10	100.0	0.0	0.0	139	1.7	e
5 Fuji Dri-Chem	1063	99.1	0.4	0.6	143	1.2	e
6 Spotchem D-Concept	428	99.1	0.5	0.5	133	1.3	e
7 Piccolo	32	100.0	0.0	0.0	138	1.5	e
8 iStat Chem8	11	100.0	0.0	0.0	138	0.5	e
9 Exias	68	100.0	0.0	0.0	139	1.0	e
10 Spotchem EL-SE 1520	52	98.1	0.0	1.9	131	1.9	e
11 i-Smart 30 PRO	15	100.0	0.0	0.0	142	1.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Sodium 2



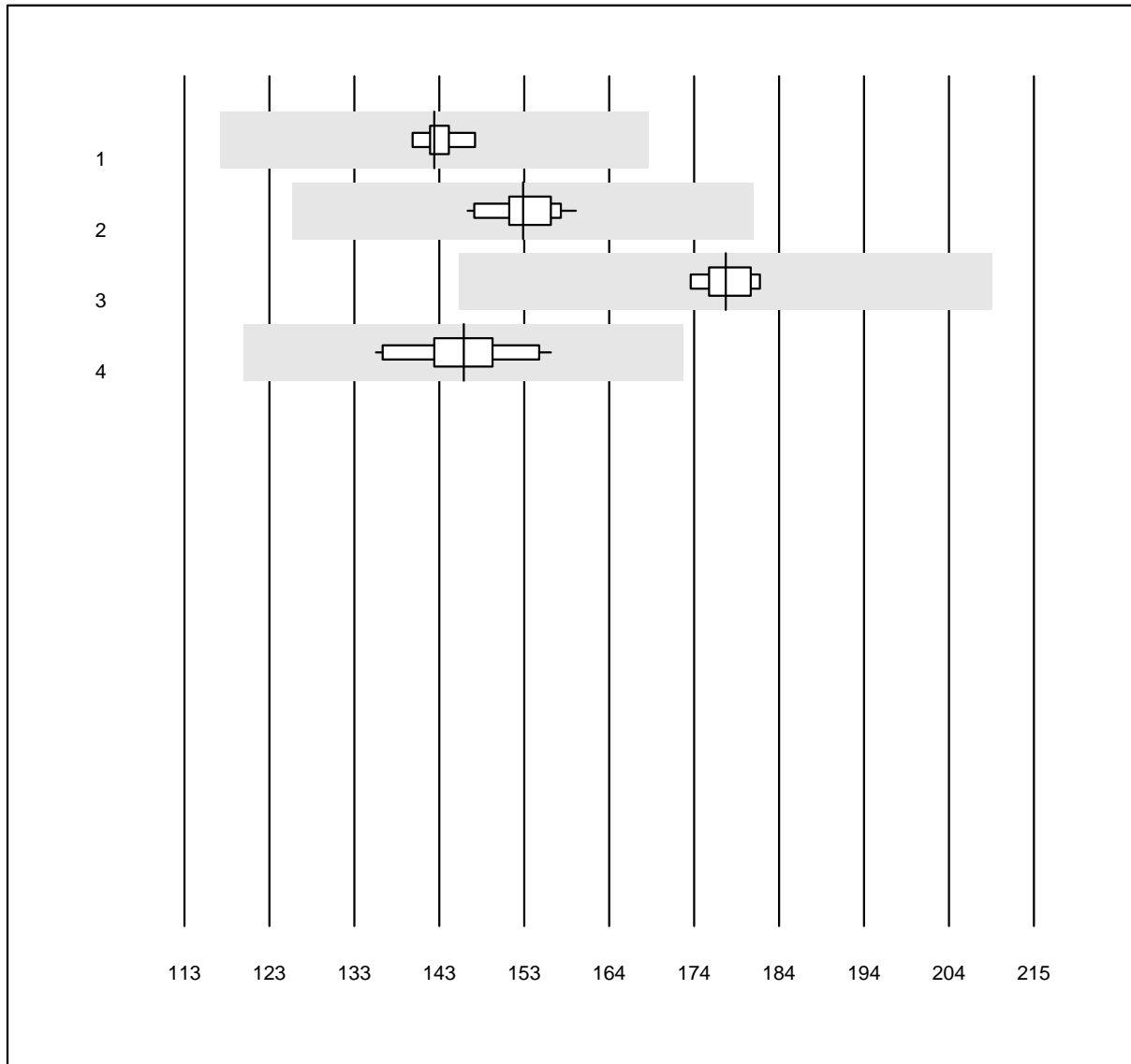
QUALAB Toleranz: 6%

Sodium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Vitros	7	100.0	0.0	0.0	144	1.6	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Pancreatic amylase



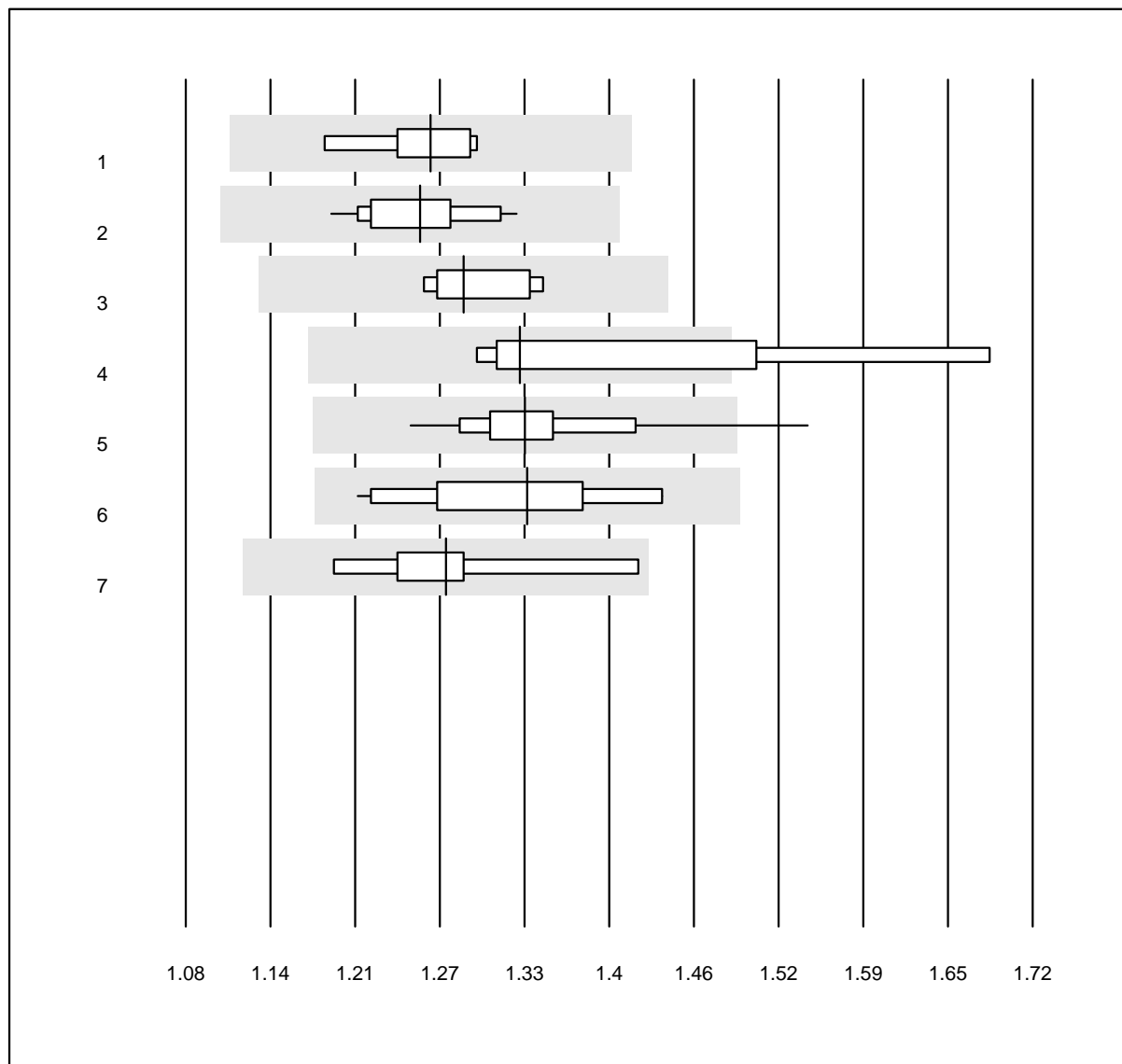
QUALAB Toleranz: 18%

Pancreatic amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	143	1.4	e
2 Roche	27	100.0	0.0	0.0	154	2.3	e
3 Siemens	8	100.0	0.0	0.0	178	1.6	e
4 Autolyser	11	100.0	0.0	0.0	147	3.8	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Phosphate



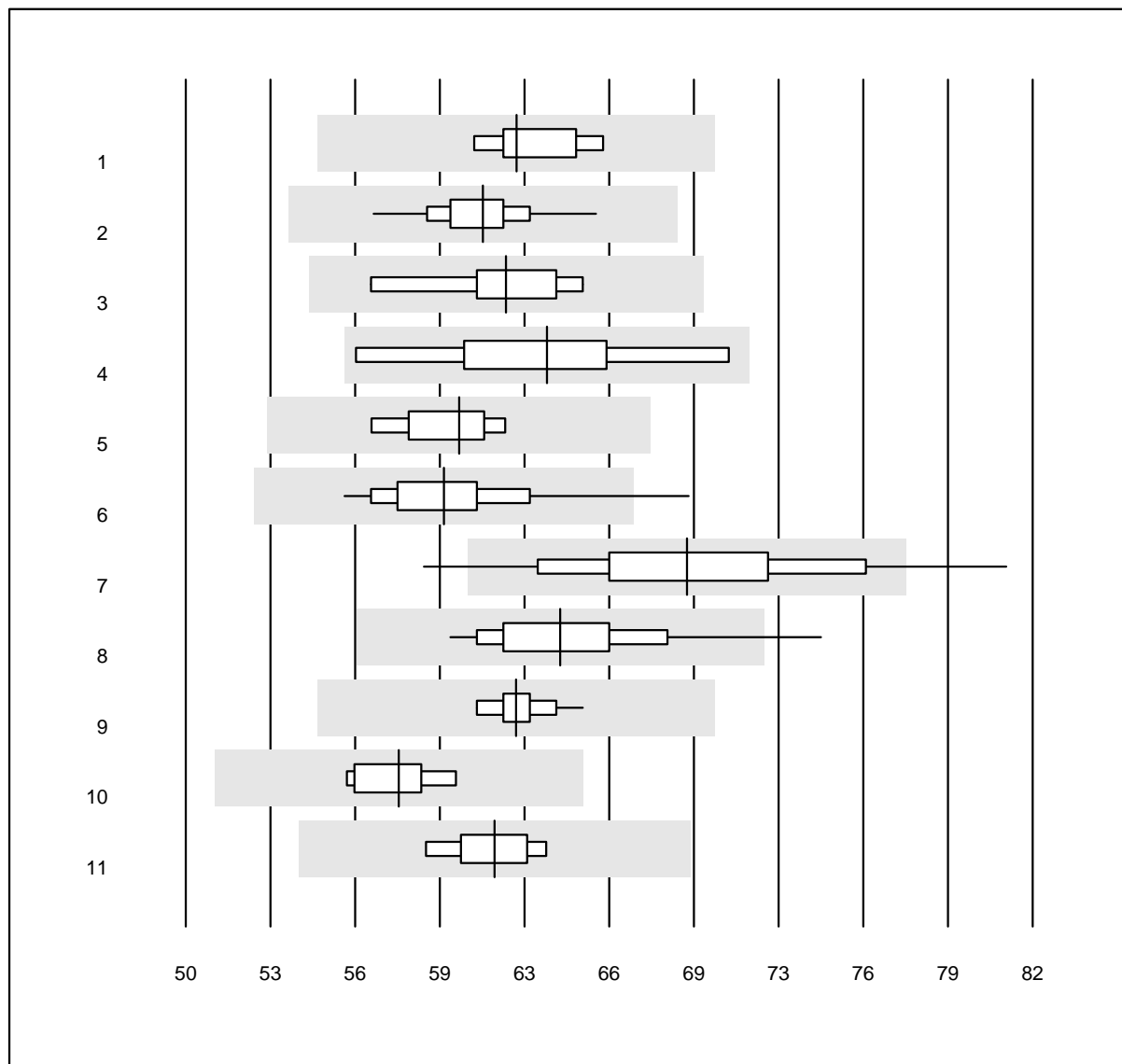
QUALAB Toleranz: 12%

Phosphate (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	1.3	3.0	e
2 Roche	42	97.6	0.0	2.4	1.3	3.0	e
3 Siemens	9	100.0	0.0	0.0	1.3	2.7	e
4 Autolyser	4	75.0	25.0	0.0	1.3	8.9	e*
5 Fuji Dri-Chem	58	93.1	3.4	3.4	1.3	4.1	e
6 Spotchem D-Concept	12	91.7	0.0	8.3	1.3	5.4	e*
7 Vitros	7	100.0	0.0	0.0	1.3	4.8	e*

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Protein total 1



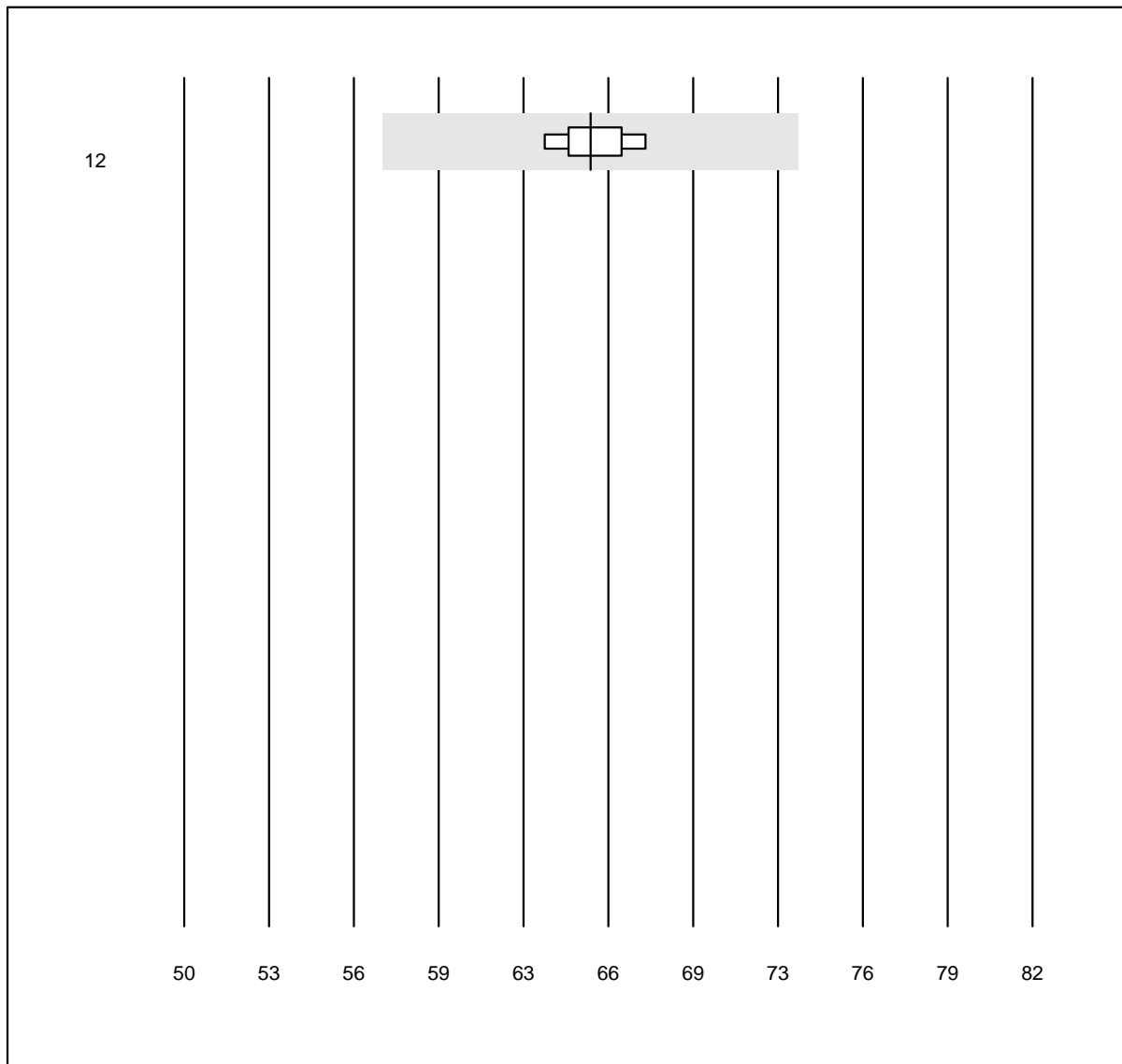
QUALAB Toleranz: 12%

Protein total (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	62.5	2.6	e
2 Roche	43	100.0	0.0	0.0	61.2	2.6	e
3 Siemens	9	100.0	0.0	0.0	62.1	3.8	e
4 Autolyser	6	100.0	0.0	0.0	63.6	6.1	e*
5 Selectra Pro	9	88.9	0.0	11.1	60.3	2.9	e
6 Fuji Dri-Chem	192	97.9	0.5	1.6	59.8	3.5	e
7 Spotchem D-Concept	206	91.3	6.8	1.9	68.9	6.7	e
8 Spotchem SP-4430	24	91.7	4.2	4.2	64.1	4.9	e
9 Piccolo	52	98.1	0.0	1.9	62.5	1.5	e
10 Seamaty	8	100.0	0.0	0.0	58.0	2.5	e
11 Vitros	7	100.0	0.0	0.0	61.7	2.4	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Protein total 2



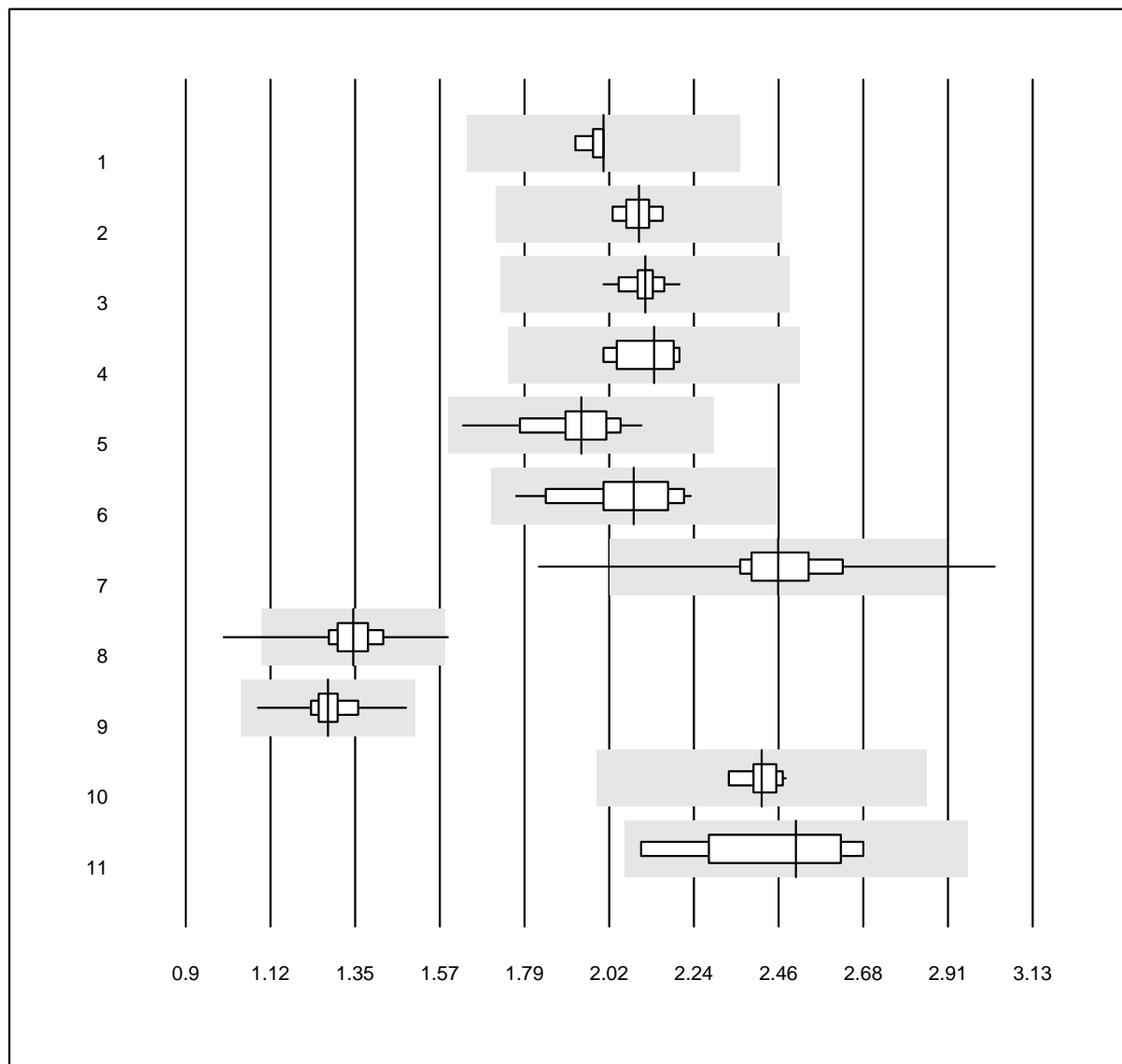
QUALAB Toleranz: 12%

Protein total (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Skyla	5	100.0	0.0	0.0	65.3	1.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Triglycerides 1



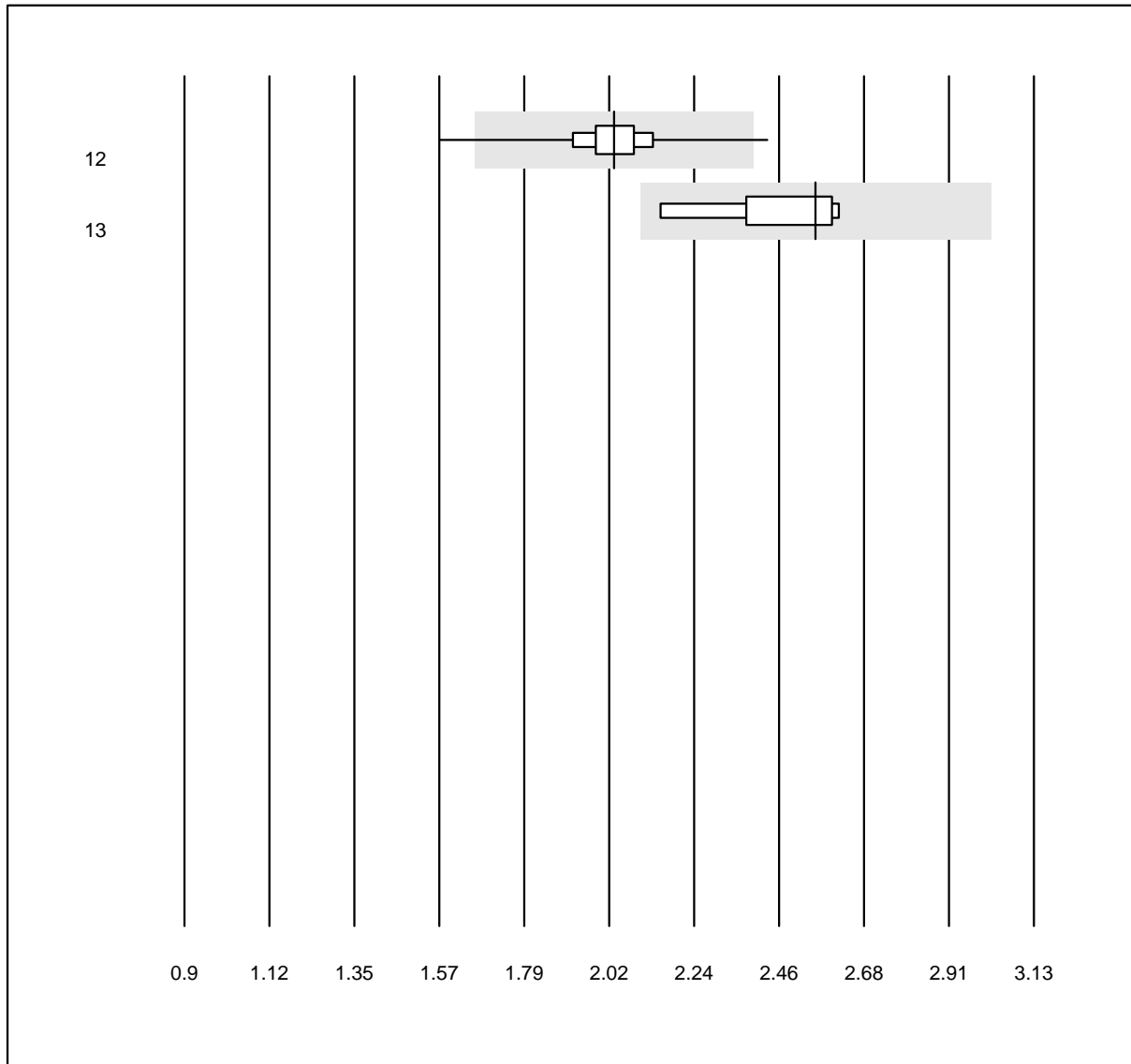
QUALAB Toleranz: 18%

Triglycerides (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	2.00	1.3	e
2 Beckman	5	100.0	0.0	0.0	2.09	1.7	e
3 Roche	39	100.0	0.0	0.0	2.11	2.1	e
4 Siemens	9	100.0	0.0	0.0	2.13	3.7	e
5 Autolyser	24	100.0	0.0	0.0	1.94	5.3	e
6 Selectra Pro	15	100.0	0.0	0.0	2.08	6.4	e
7 Fuji Dri-Chem	999	98.0	1.0	1.0	2.46	4.9	e
8 Spotchem D-Concept	488	96.9	0.6	2.5	1.34	4.5	e
9 Spotchem SP-4430	73	98.6	0.0	1.4	1.27	4.4	e
10 Piccolo	17	100.0	0.0	0.0	2.42	1.9	e
11 Seamaty	9	88.9	0.0	11.1	2.51	8.1	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Triglycerides 2



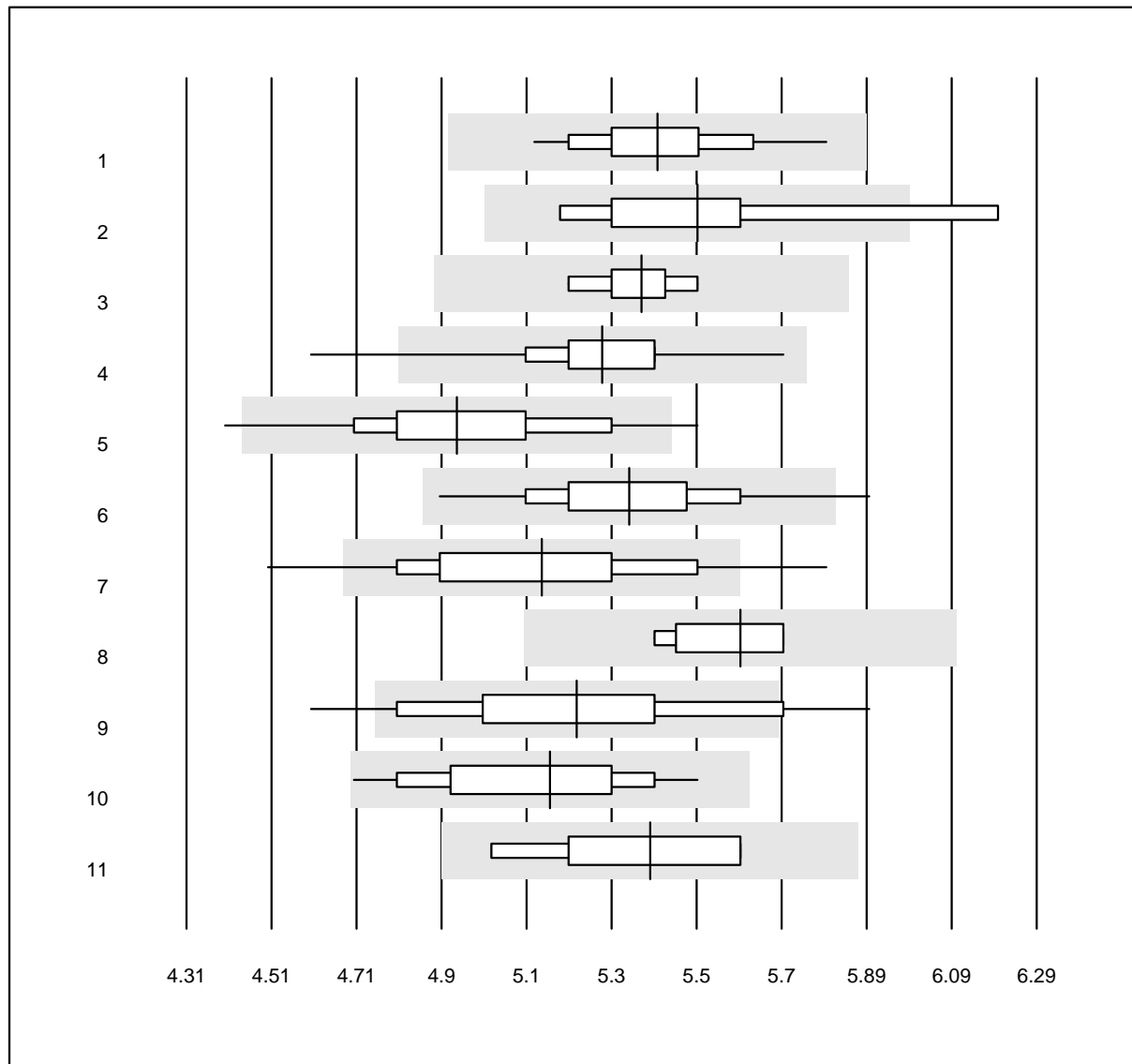
QUALAB Toleranz: 18%

Triglycerides (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Cholestech LDX	219	97.3	0.9	1.8	2.03	4.5	e
13 Vitros	5	100.0	0.0	0.0	2.56	5.9	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

HbA1c sample A 1



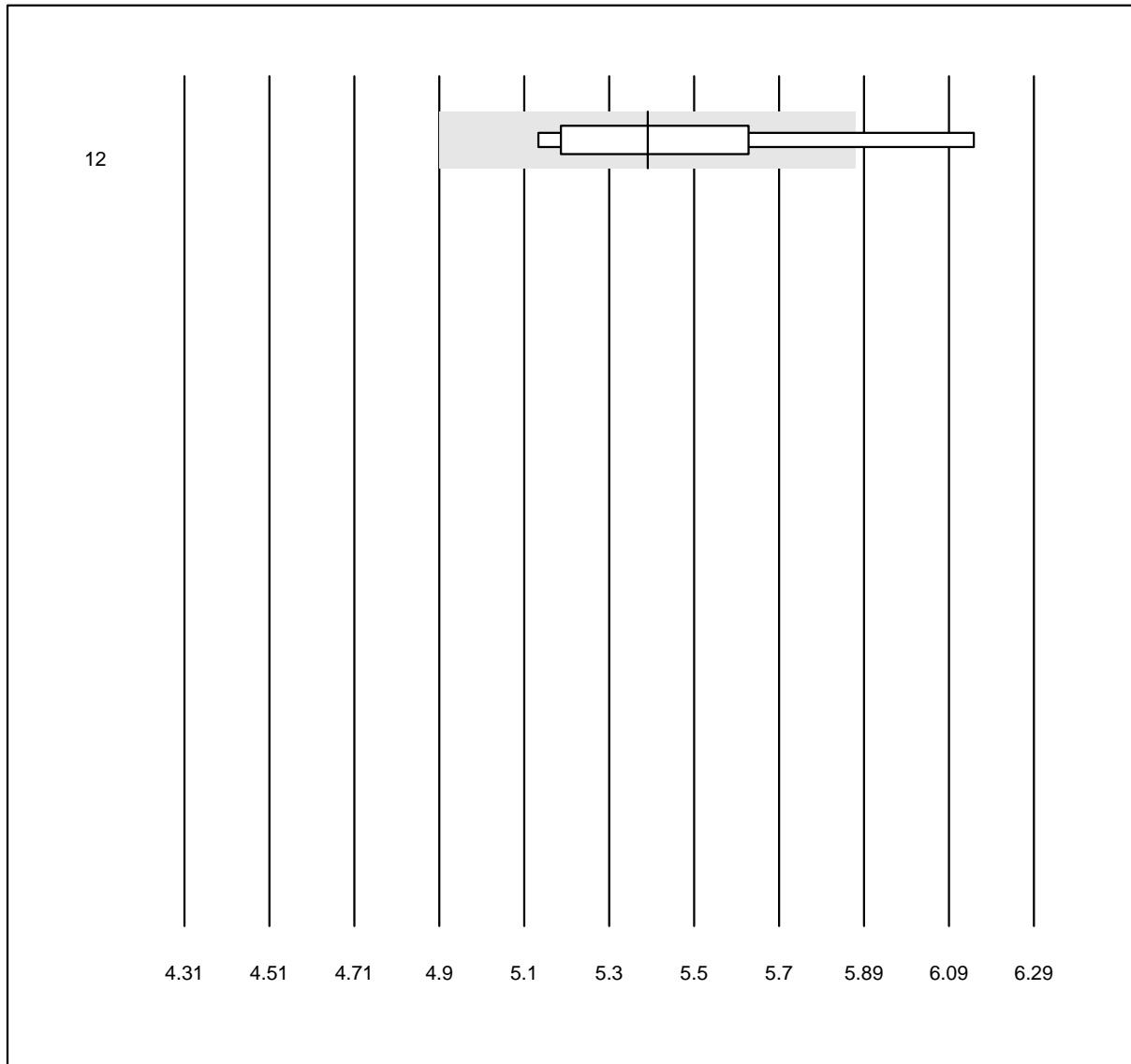
QUALAB Toleranz: 9%

HbA1c sample A (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	26	100.0	0.0	0.0	5.4	3.0	e
2 Siemens	7	85.7	14.3	0.0	5.5	5.3	e*
3 HPLC	14	100.0	0.0	0.0	5.4	1.8	e
4 Afinion	620	99.4	0.3	0.3	5.3	2.6	e
5 Cobas b101/Click	252	96.0	4.0	0.0	4.9	5.0	e
6 DCA Vantage	156	99.4	0.6	0.0	5.3	3.3	e
7 AFIAS	163	86.5	12.9	0.6	5.1	5.3	e
8 Quick Read go	9	100.0	0.0	0.0	5.6	2.2	e
9 A1c Now	208	77.9	18.3	3.8	5.2	5.9	e
10 Celltac chemi	41	97.6	0.0	2.4	5.2	4.6	e
11 Eurolyser	5	100.0	0.0	0.0	5.4	4.0	c*

5 additional results were submitted but not published because the method groups were too small. (< results per group)

HbA1c sample A 2



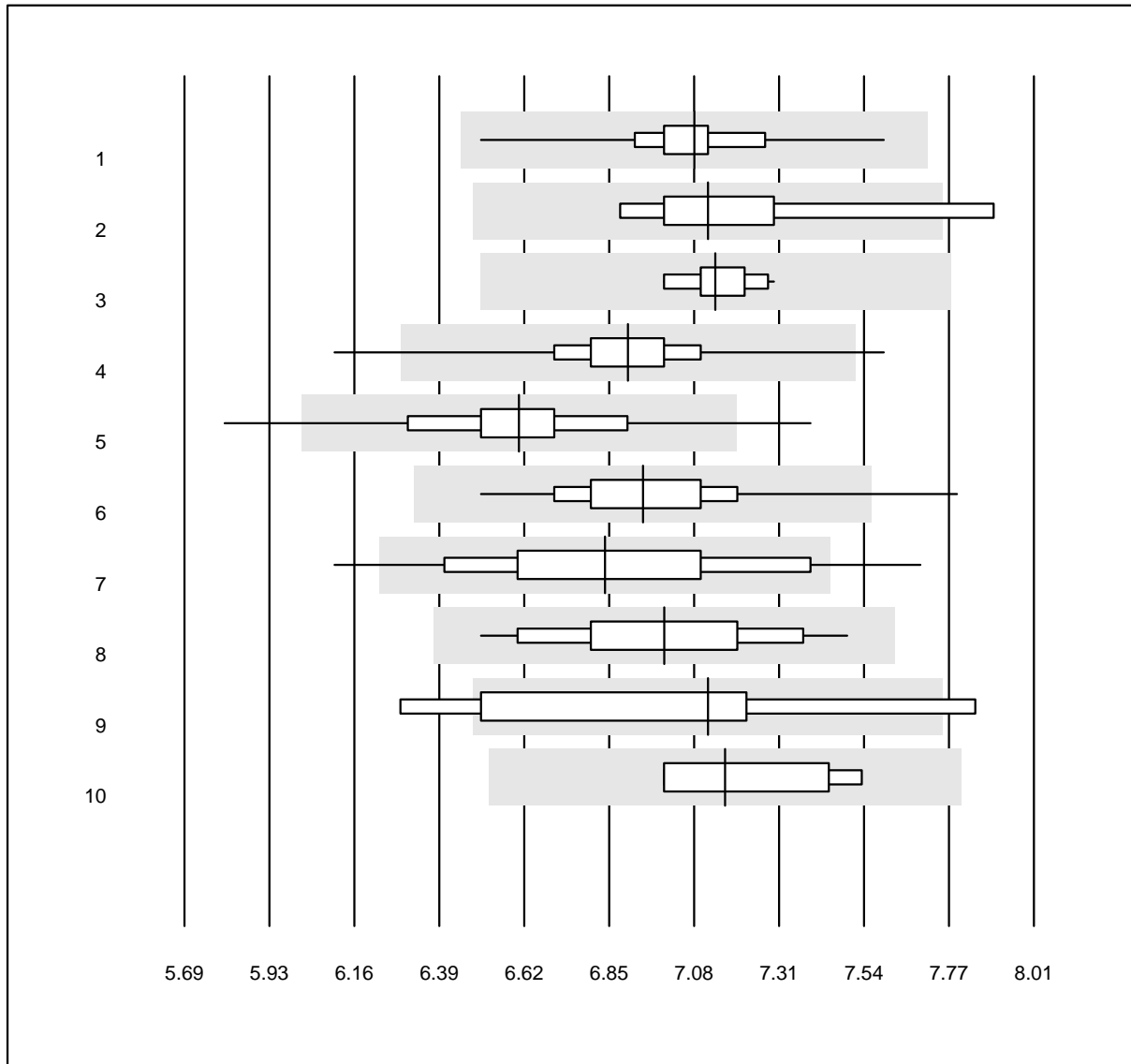
QUALAB Toleranz: 9%

HbA1c sample A (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
12 Others	7	71.4	14.3	14.3	5.4	6.0	c*

5 additional results were submitted but not published because the method groups were too small. (< results per group)

HbA1c sample B



QUALAB Toleranz: 9%

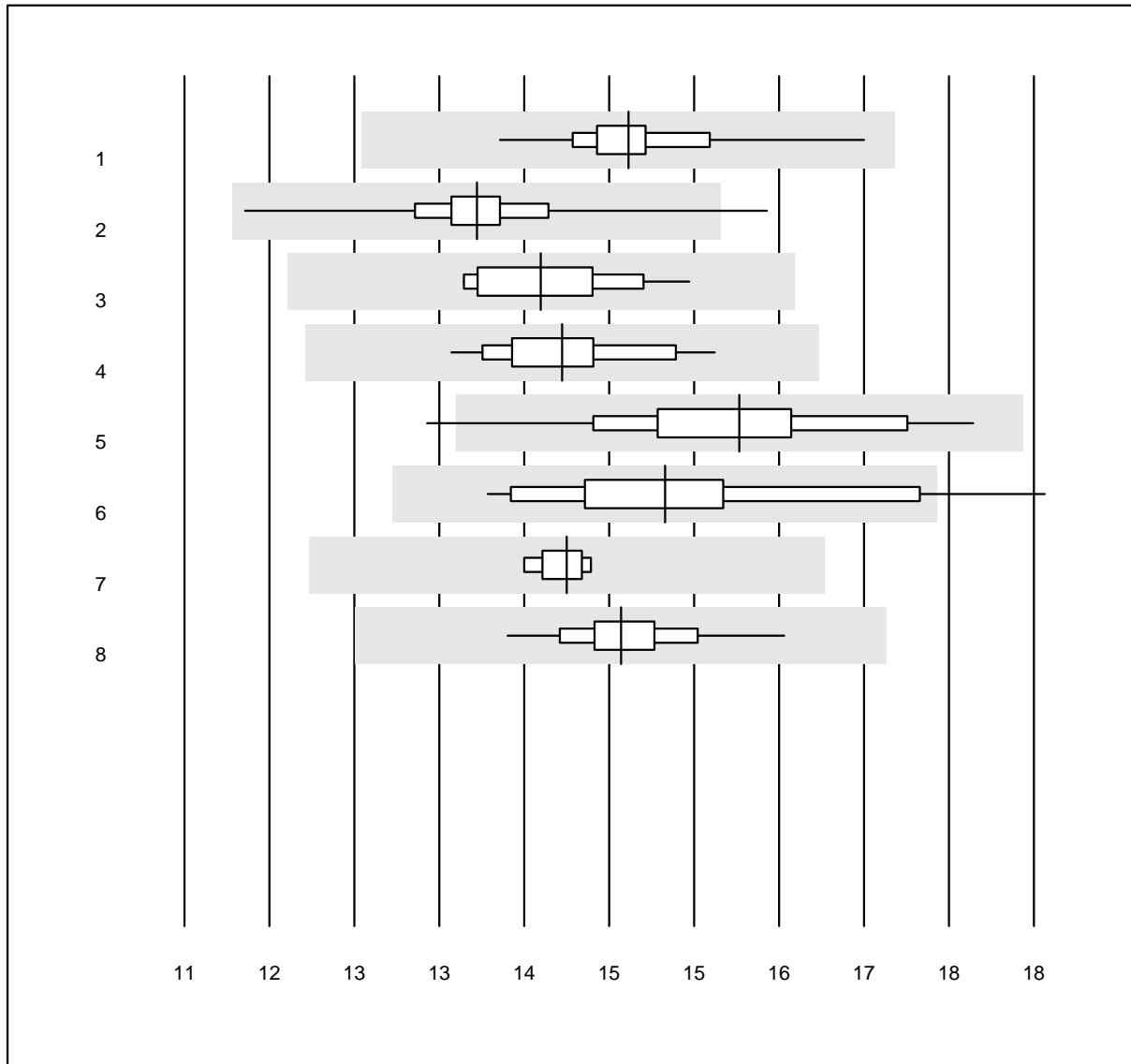
HbA1c sample B (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	23	100.0	0.0	0.0	7.1	2.7	e
2 Siemens	7	85.7	14.3	0.0	7.1	4.1	c*
3 HPLC	13	100.0	0.0	0.0	7.1	1.3	e
4 Afinion	675	99.0	0.9	0.1	6.9	2.3	e
5 Cobas b101/Click	224	96.4	3.1	0.4	6.6	3.7	e
6 DCA Vantage	170	97.6	0.6	1.8	6.9	2.9	e
7 AFIAS	243	86.0	11.1	2.9	6.8	5.5	e
8 Celltac chemi	32	96.9	0.0	3.1	7.0	4.0	e
9 A1c Now	9	66.7	22.2	11.1	7.1	7.1	c*
10 Quick Read go	5	100.0	0.0	0.0	7.2	3.3	e*

7 additional results were submitted but not published because the method groups were too small. (< results per group)

K04 Blood gases

pO2



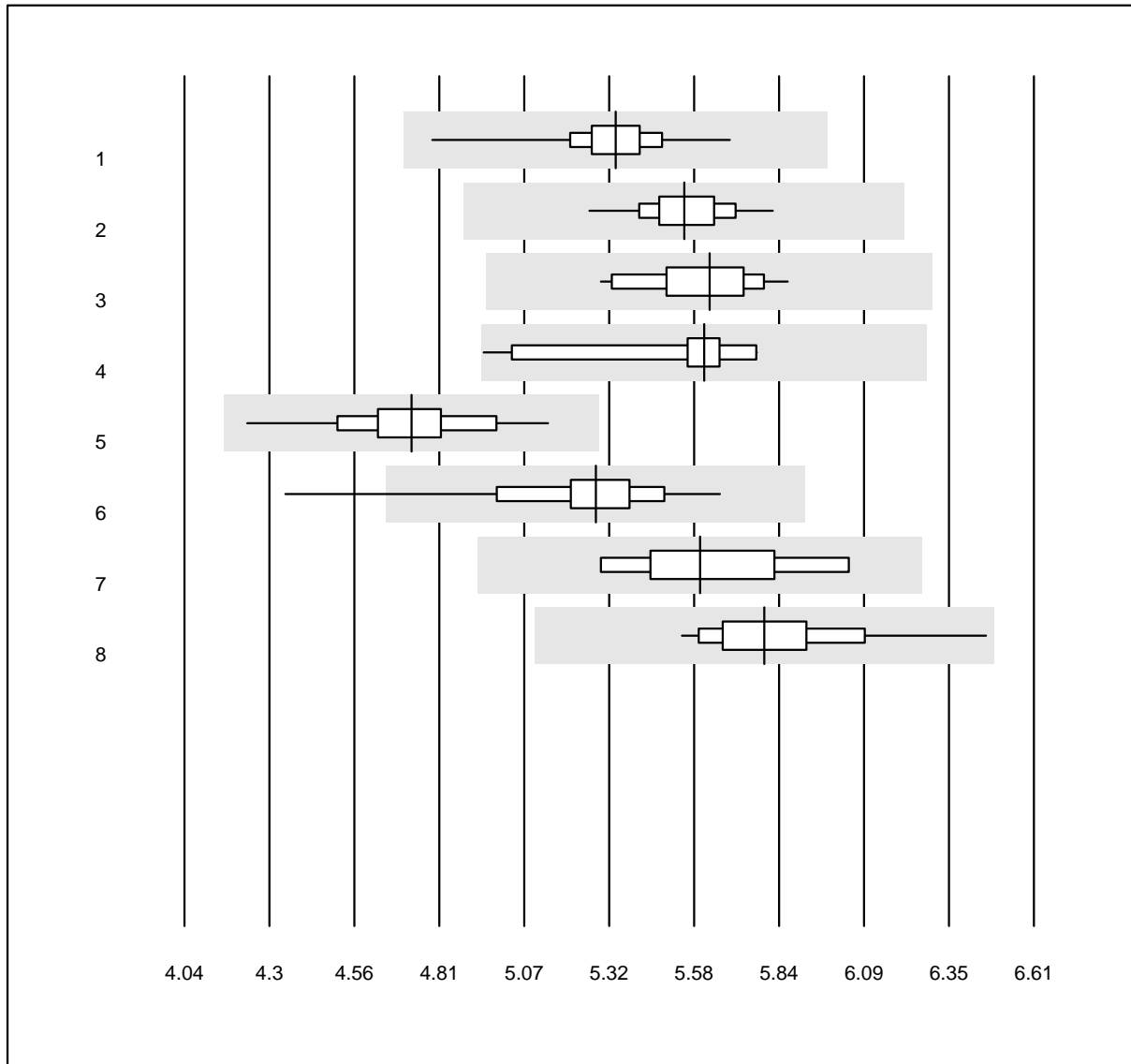
QUALAB Toleranz: 15%

pO2 (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	116	98.3	0.0	1.7	14.66	3.2	e
2 ABL90 FLEX / PLUS	176	97.7	1.7	0.6	13.41	4.1	e
3 GEM	20	100.0	0.0	0.0	13.94	4.0	e
4 Cobas b 123	18	94.4	0.0	5.6	14.11	4.0	e
5 iStat	57	93.0	3.5	3.5	15.57	6.5	e
6 EPOC	59	86.4	6.8	6.8	14.96	7.4	e
7 IL	4	100.0	0.0	0.0	14.15	1.2	e
8 RAPIDPoint 500	29	96.6	0.0	3.4	14.60	3.2	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

pCO2



QUALAB Toleranz: 12%

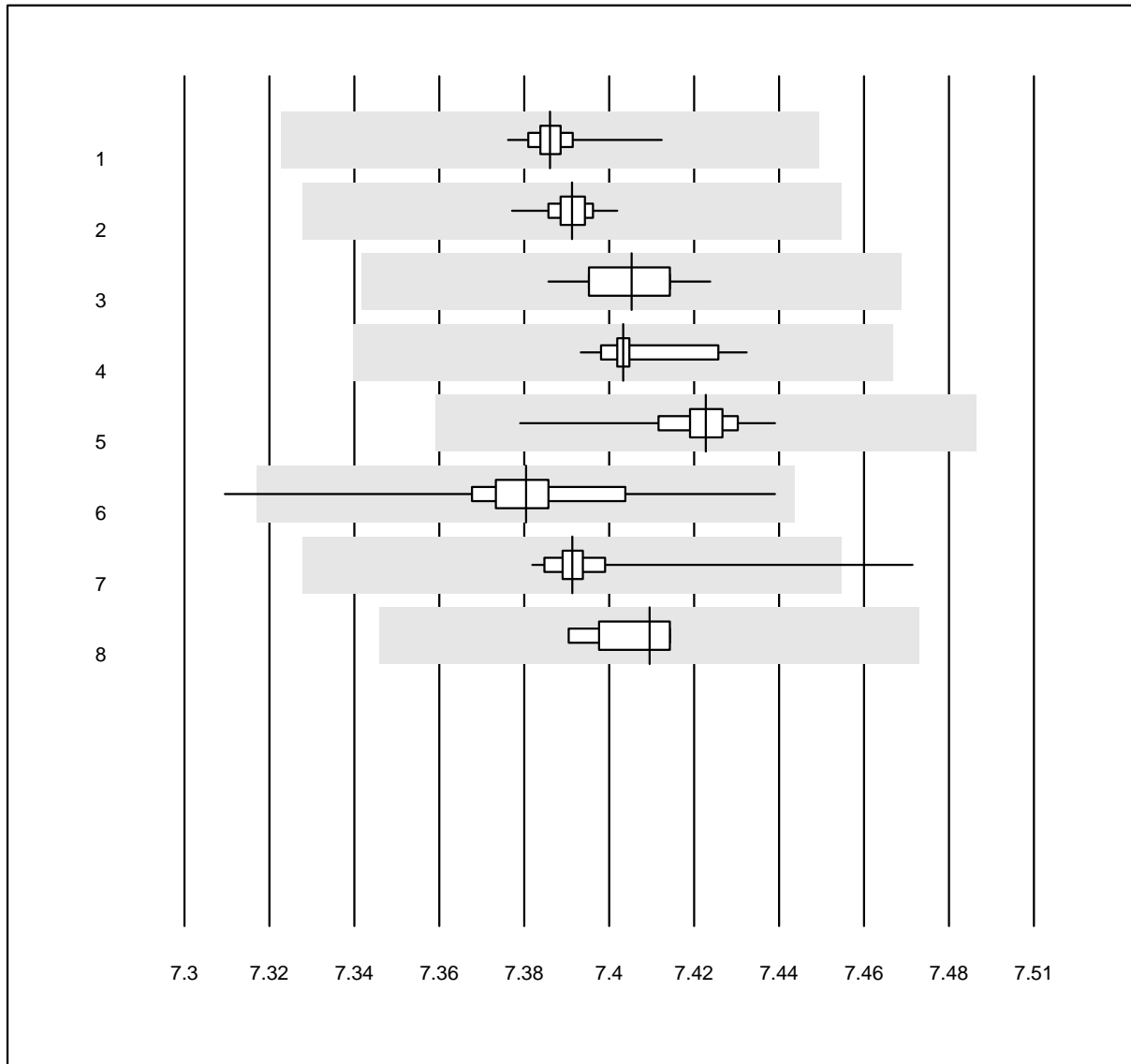
pCO2 (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	116	100.0	0.0	0.0	5.34	2.5	e
2 ABL90 FLEX / PLUS	174	100.0	0.0	0.0	5.55	2.0	e
3 GEM	20	100.0	0.0	0.0	5.63	2.7	e
4 Cobas b 123	18	100.0	0.0	0.0	5.61	3.9	e
5 iStat	59	96.6	0.0	3.4	4.73	3.7	e
6 EPOC	60	85.0	5.0	10.0	5.28	4.8	e
7 IL	4	100.0	0.0	0.0	5.60	3.7	e*
8 RAPIDPoint 500	29	96.6	0.0	3.4	5.79	3.6	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

K04 Blood gases

pH



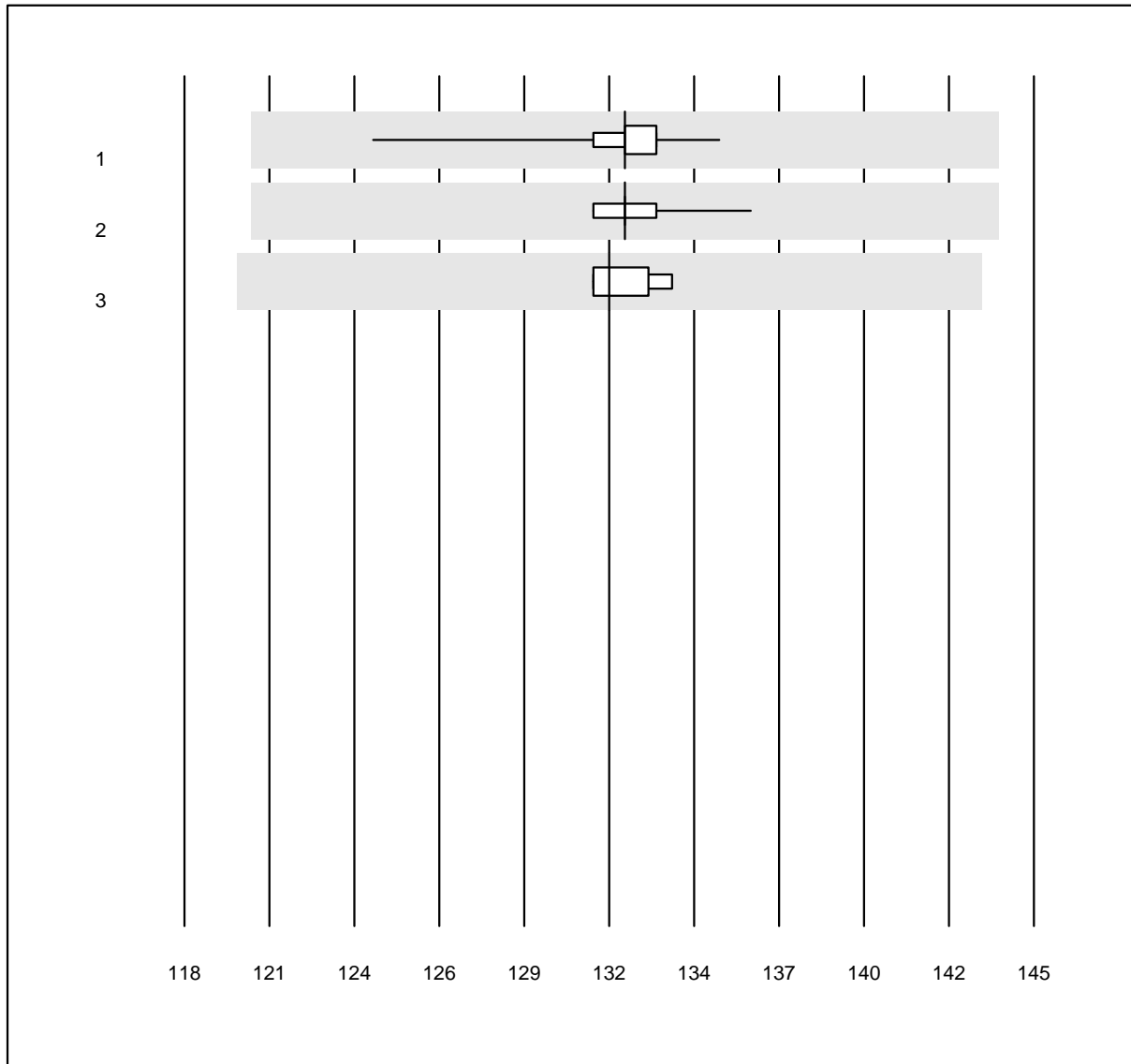
QUALAB Toleranz: 0%

pH ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	115	100.0	0.0	0.0	7.39	0.1	e
2 ABL90 FLEX / PLUS	175	100.0	0.0	0.0	7.40	0.1	e
3 GEM	20	100.0	0.0	0.0	7.41	0.1	e
4 Cobas b 123	19	100.0	0.0	0.0	7.41	0.1	e
5 iStat	62	98.4	0.0	1.6	7.43	0.1	e
6 EPOC	60	98.3	1.7	0.0	7.38	0.3	e
7 RAPIDPoint 500	29	96.6	3.4	0.0	7.40	0.2	e
8 IL	4	100.0	0.0	0.0	7.42	0.1	e

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Hemoglobin BG

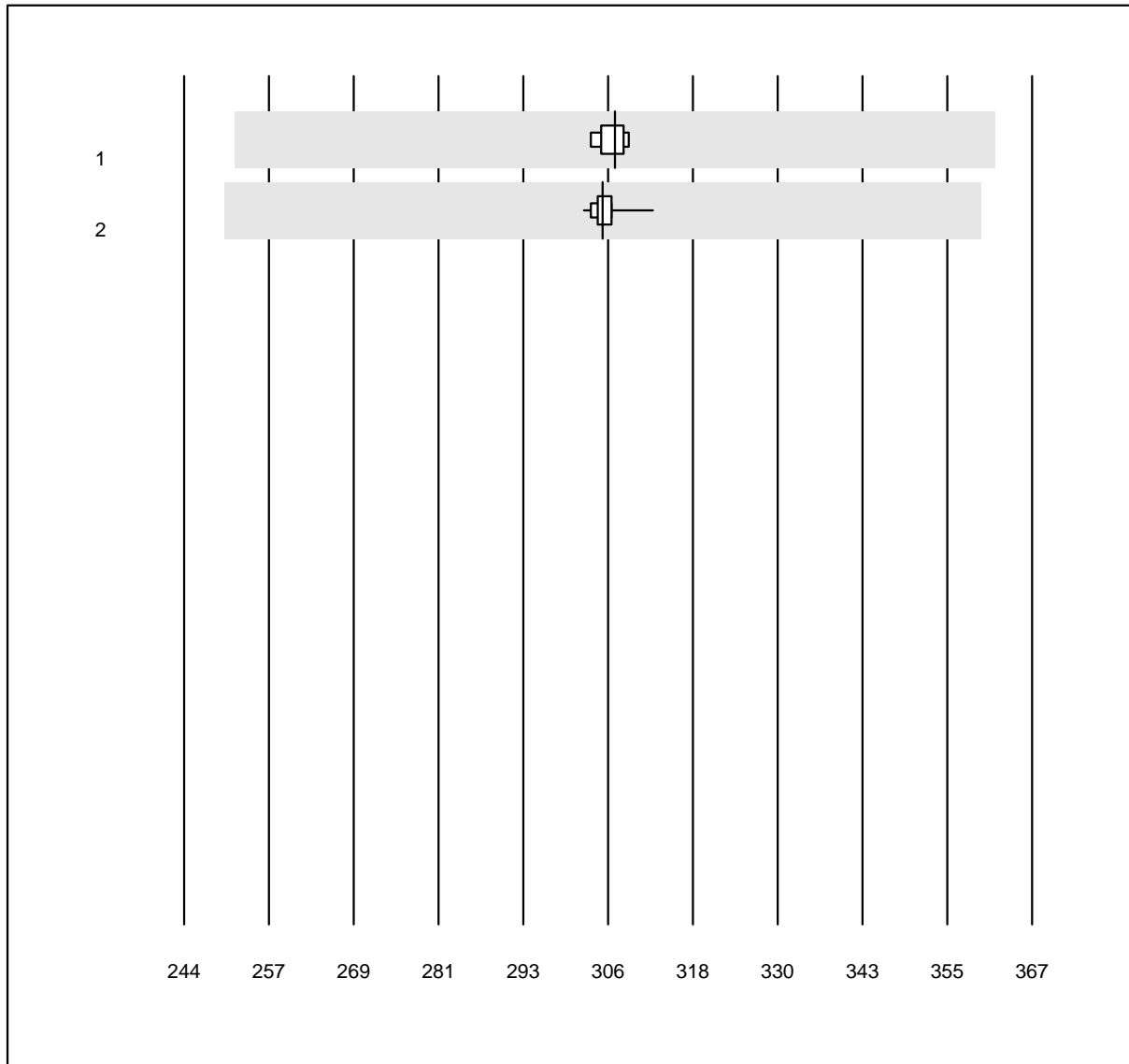


QUALAB Toleranz: 9%

Hemoglobin BG (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	109	98.2	0.0	1.8	132.0	1.5	e
2 ABL90 FLEX / PLUS	161	100.0	0.0	0.0	132.0	0.6	e
3 ABL80 FLEX CO-OX / OSM	4	100.0	0.0	0.0	131.5	0.7	e

Bilirubin OR

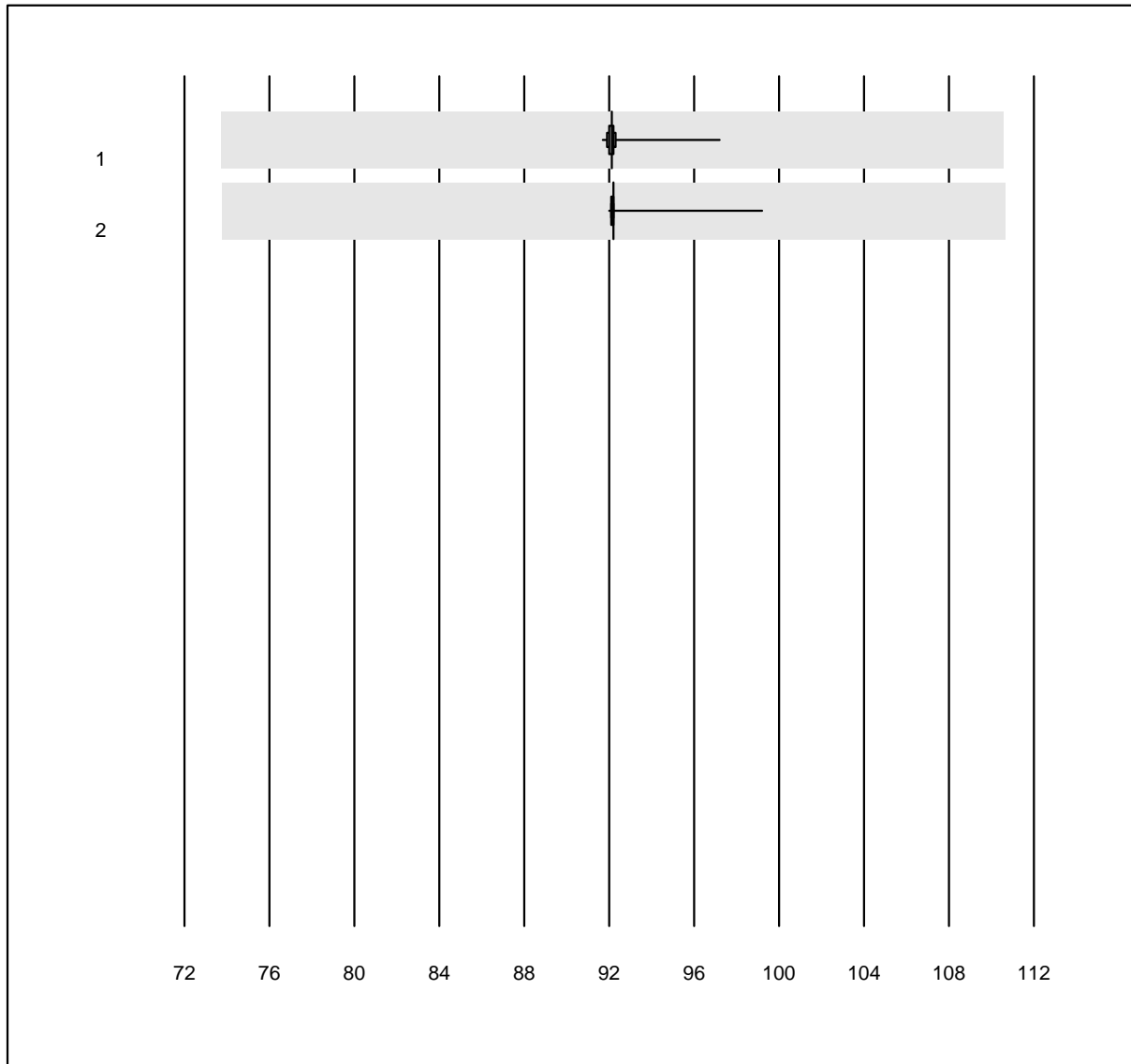


QUALAB Toleranz: 18%

Bilirubin OR (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	4	100.0	0.0	0.0	306.5	0.6	e
2 ABL90 FLEX / PLUS	37	100.0	0.0	0.0	304.7	0.6	e

FO2Hb OR



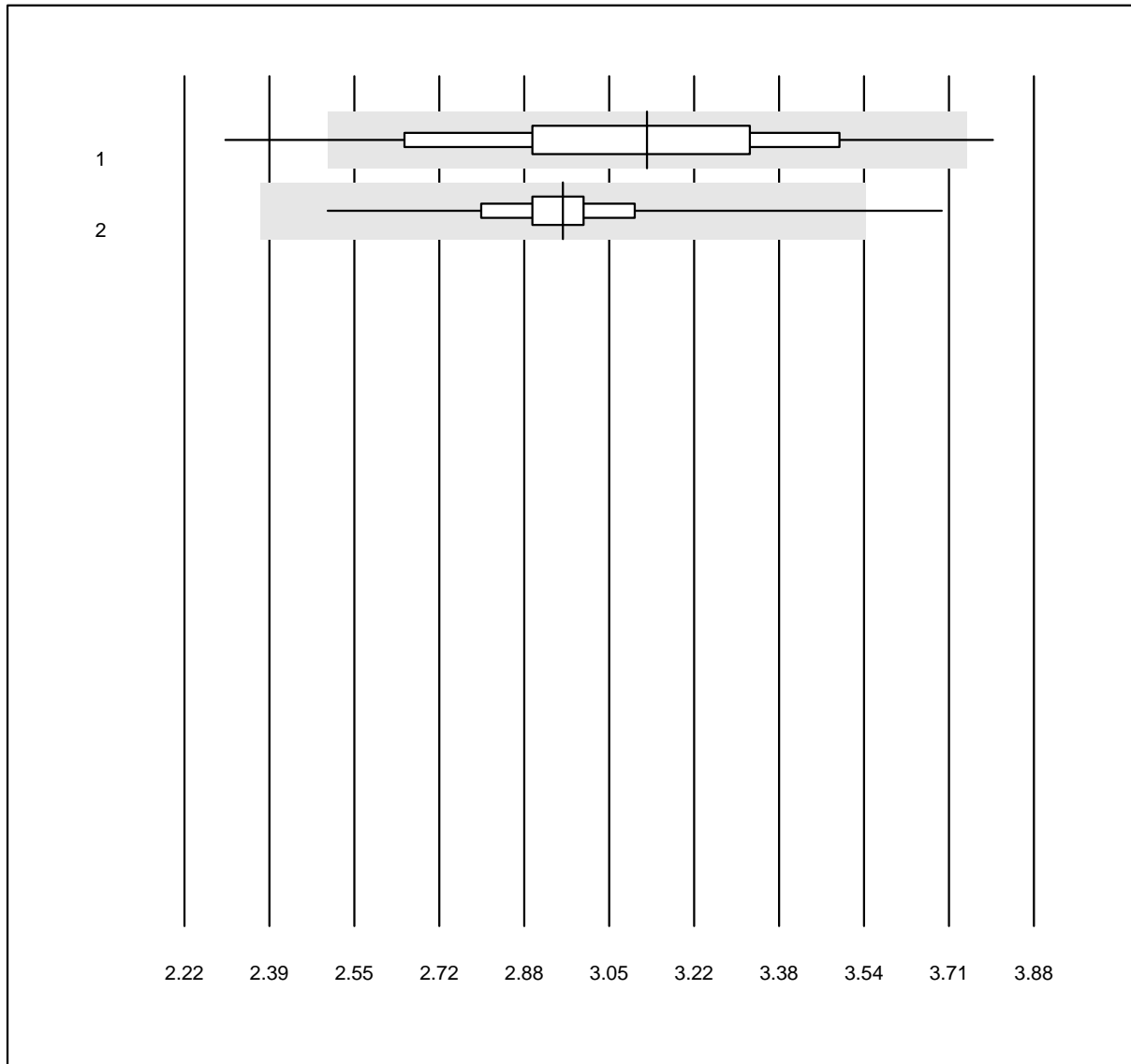
MQ Toleranz: 20%

FO2Hb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	95	100.0	0.0	0.0	92.126	0.6	e
2 ABL90 FLEX / PLUS	152	99.3	0.0	0.7	92.200	0.6	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

FCOHb OR



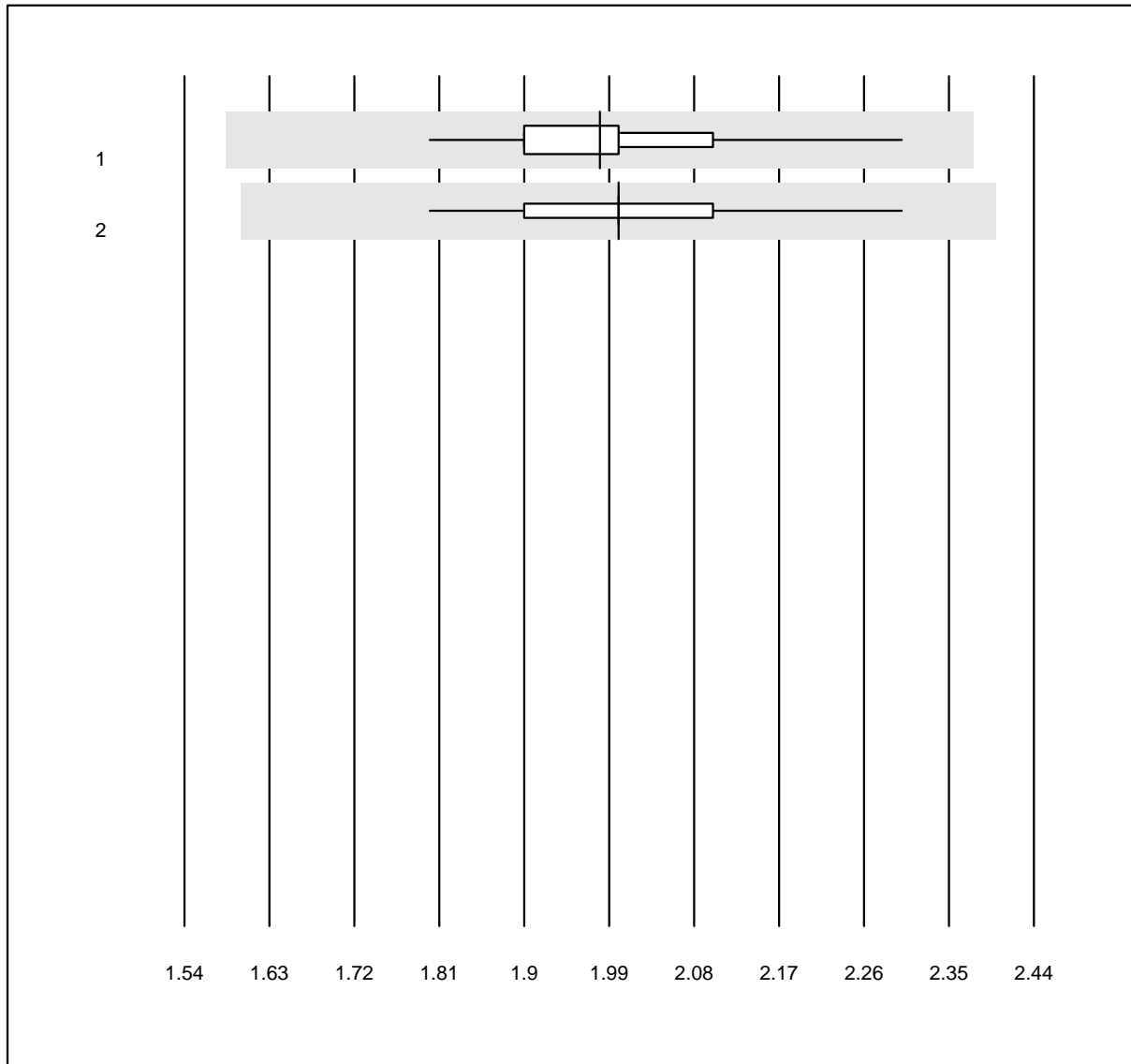
MQ Toleranz: 20%

FCOHb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	96	92.7	5.2	2.1	3.124	10.6	e
2 ABL90 FLEX / PLUS	153	99.3	0.7	0.0	2.960	5.3	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

FMetHb OR



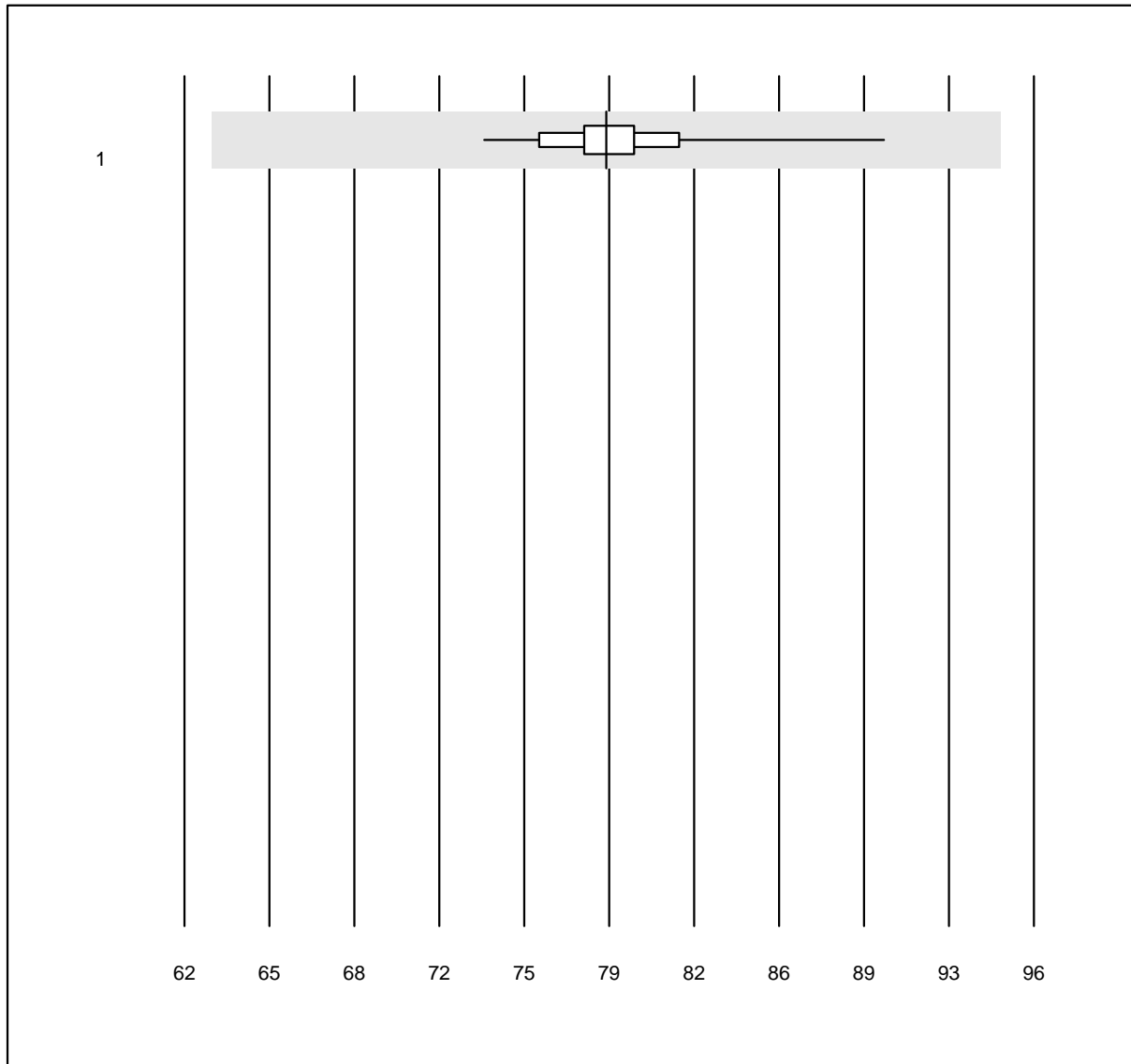
MQ Toleranz: 20%

FMetHb OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	96	99.0	0.0	1.0	1.980	5.1	e
2 ABL90 FLEX / PLUS	153	99.3	0.0	0.7	2.000	3.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

FHbF OR

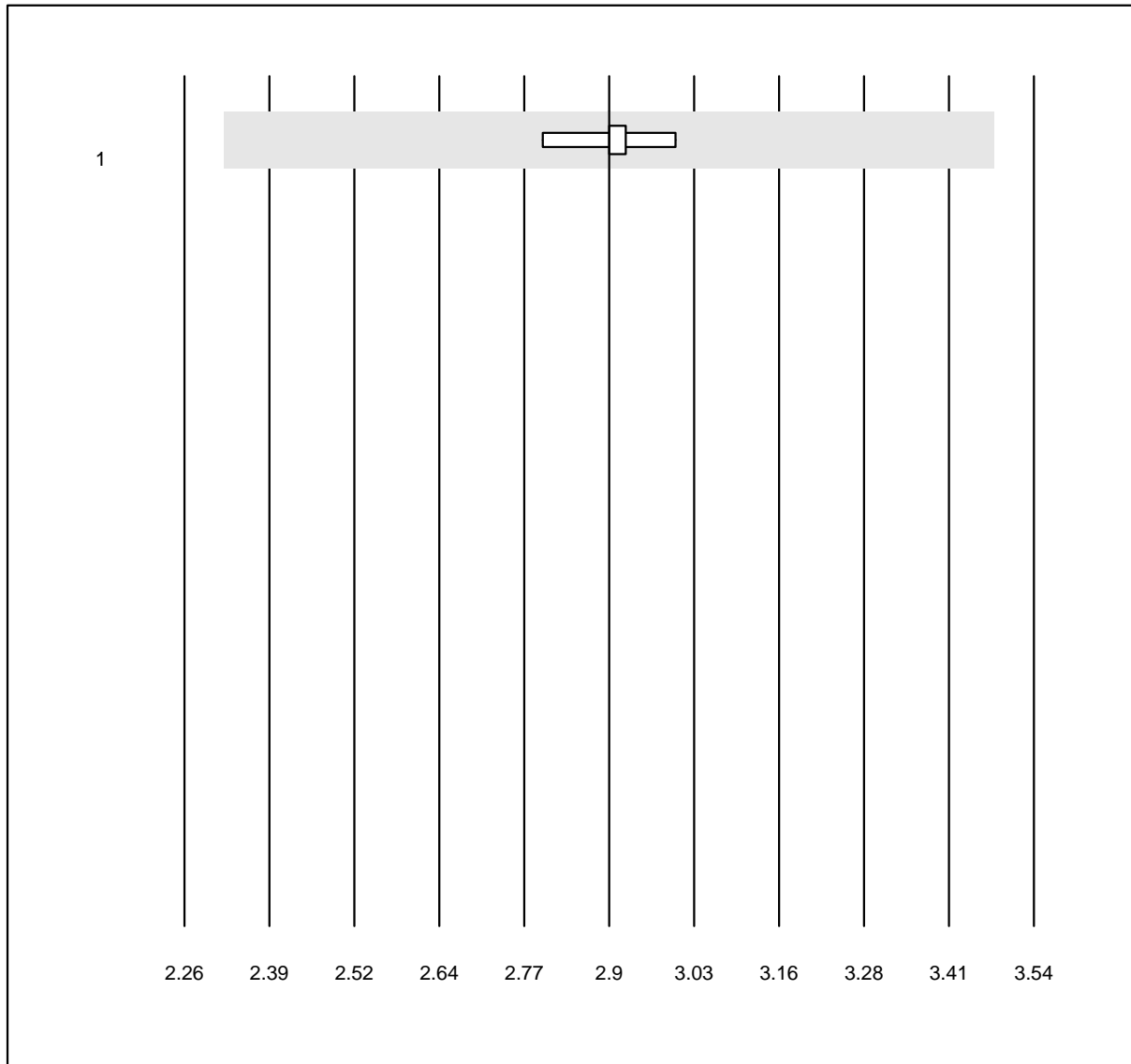


MQ Toleranz: 20%

FHbF OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL90 FLEX / PLUS	42	97.6	0.0	2.4	78.885	3.2	e

FHHb



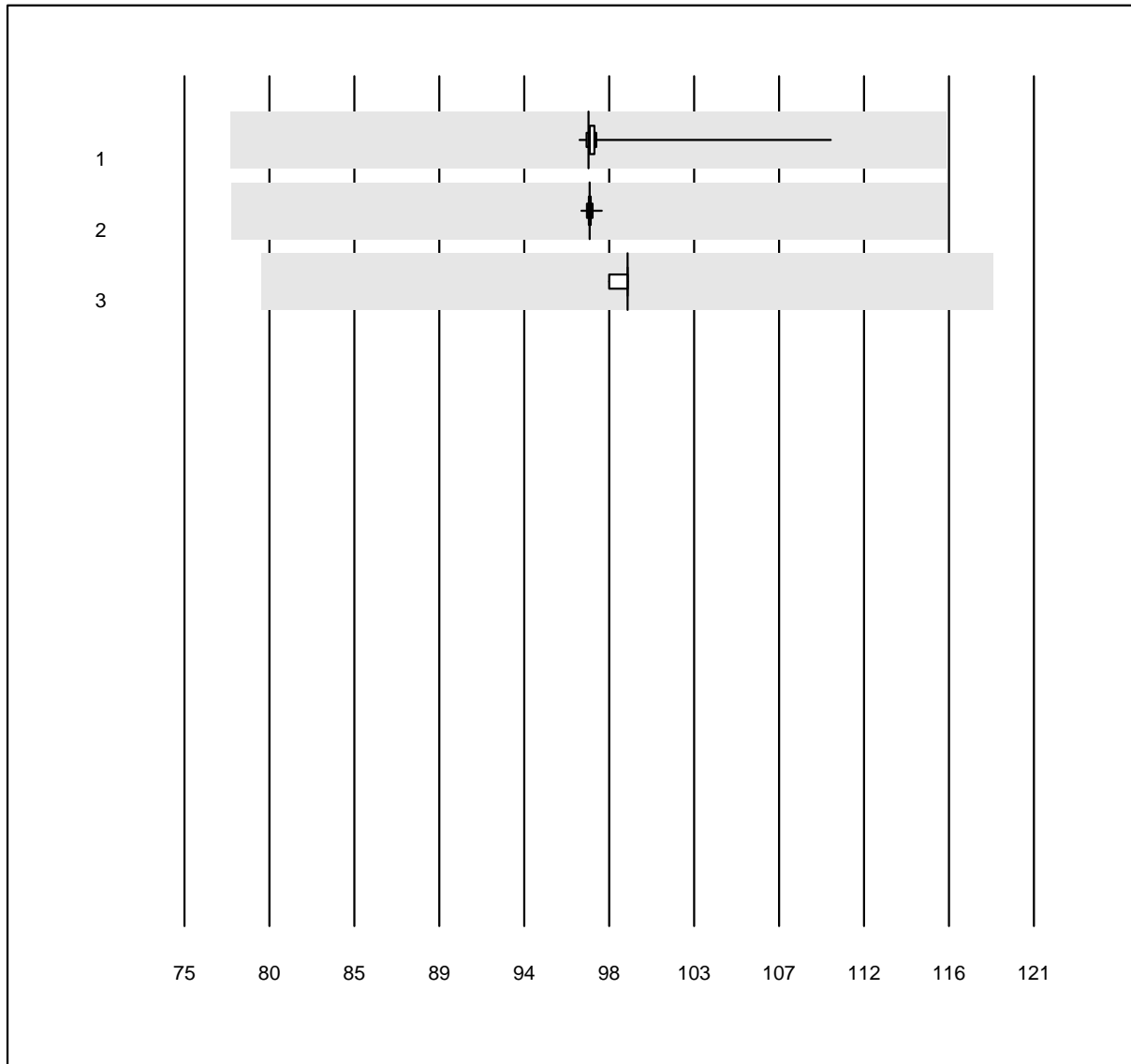
MQ Toleranz: 20%

FHHb (%)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	ABL90 FLEX / PLUS	18	100.0	0.0	0.0	2.900	2.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

sO2 OR



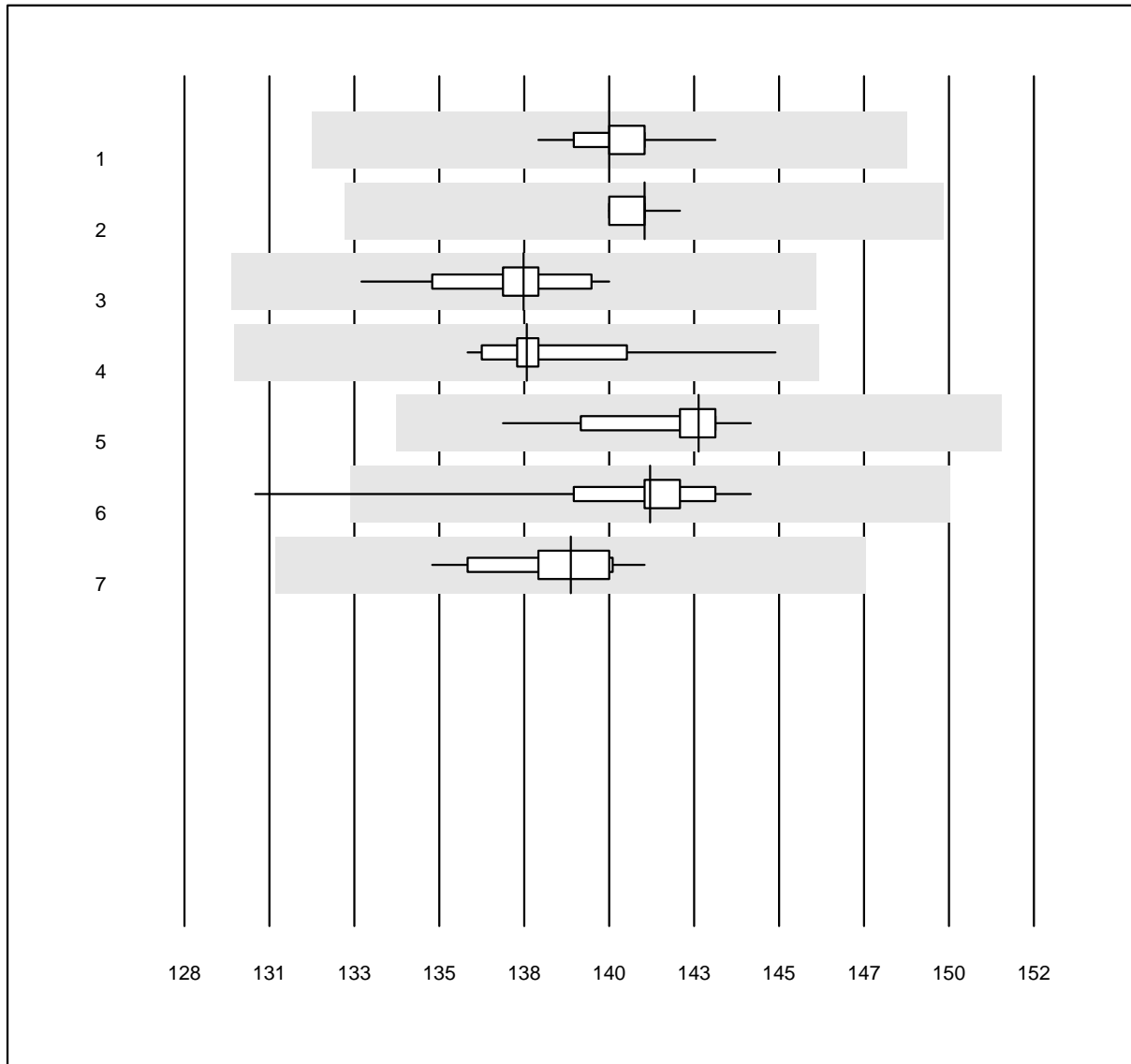
MQ Toleranz: 20%

sO2 OR (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	98	78.6	0.0	21.4	96.881	1.5	e
2 ABL90 FLEX / PLUS	151	92.7	0.0	7.3	96.945	0.1	e
3 iStat	33	100.0	0.0	0.0	99.000	0.4	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Sodium BG



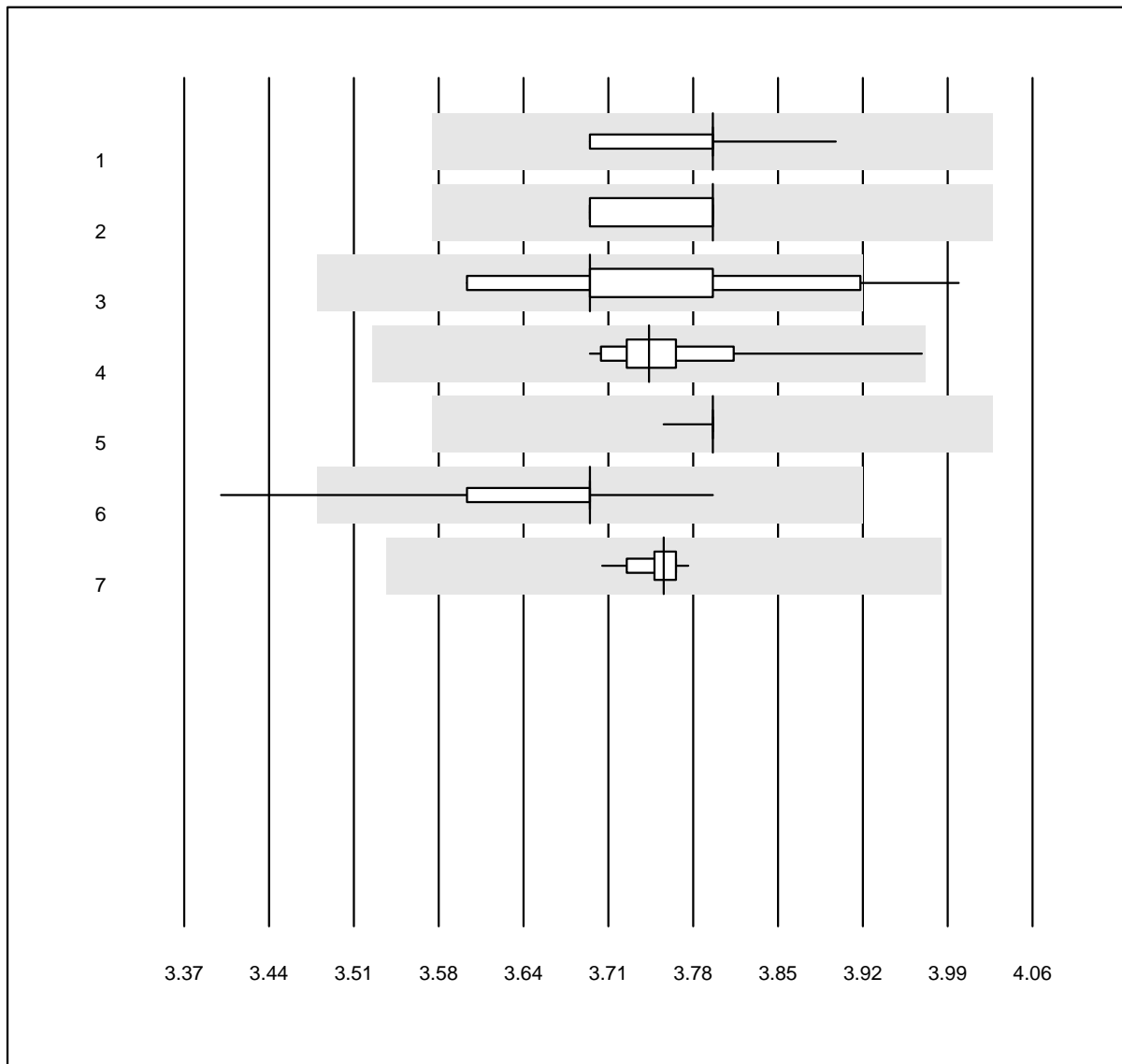
QUALAB Toleranz: 6%

Sodium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	107	100.0	0.0	0.0	140.0	0.6	e
2 ABL90 FLEX / PLUS	162	100.0	0.0	0.0	141.0	0.3	e
3 GEM	14	100.0	0.0	0.0	137.6	1.1	e
4 Cobas b 123	19	100.0	0.0	0.0	137.7	1.3	e
5 iStat	23	95.7	0.0	4.3	142.5	1.1	e
6 EPOC	48	95.8	2.1	2.1	141.2	1.5	e
7 RAPIDPoint 500	28	100.0	0.0	0.0	138.9	1.1	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Potassium BG



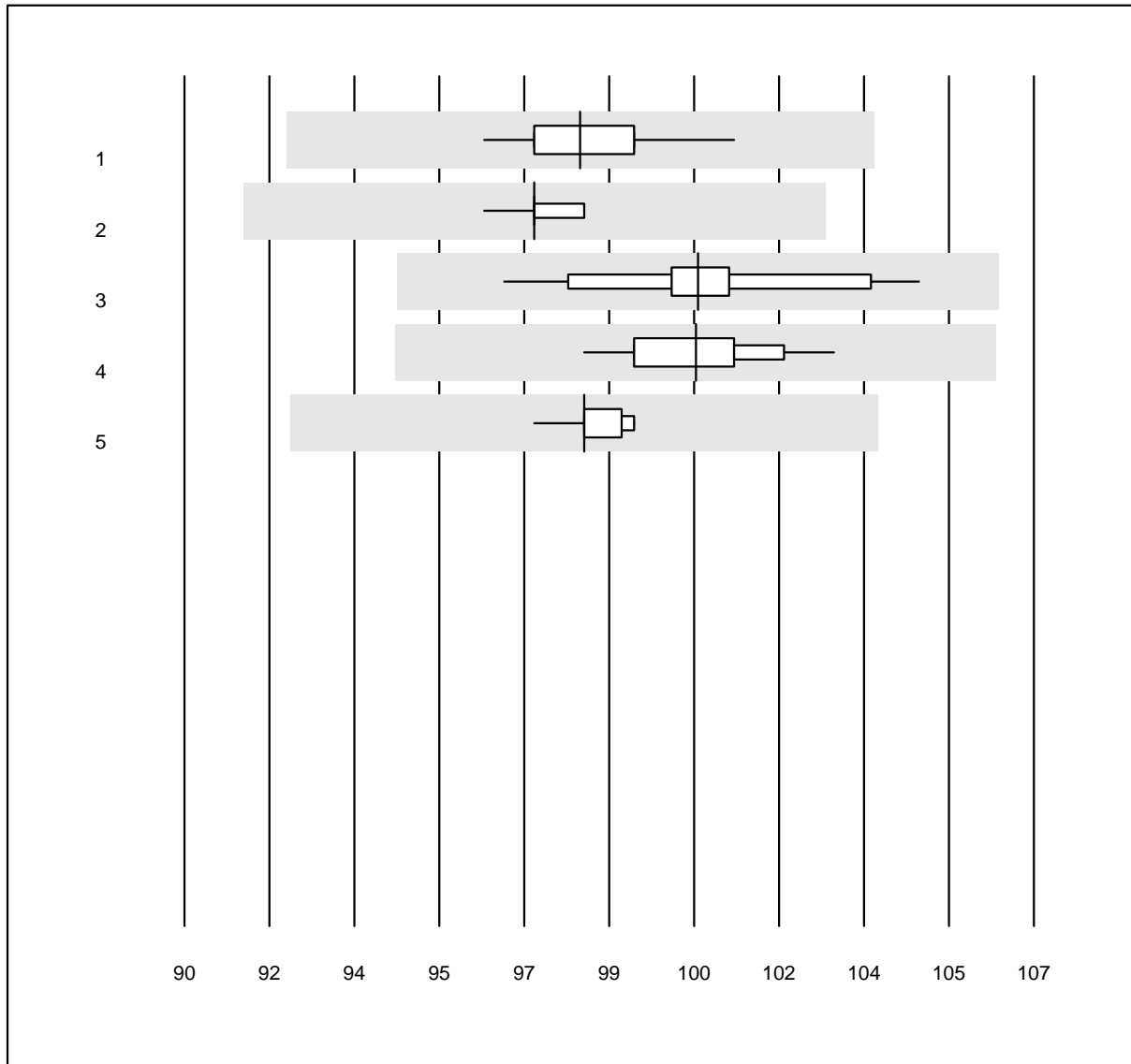
QUALAB Toleranz: 6%

Potassium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	108	100.0	0.0	0.0	3.8	1.2	e
2 ABL90 FLEX / PLUS	164	100.0	0.0	0.0	3.8	1.3	e
3 GEM	13	92.3	7.7	0.0	3.7	2.8	e*
4 Cobas b 123	18	100.0	0.0	0.0	3.7	1.5	e
5 iStat	23	95.7	0.0	4.3	3.8	0.2	e
6 EPOC	48	97.9	2.1	0.0	3.7	1.6	e
7 RAPIDPoint 500	28	100.0	0.0	0.0	3.8	0.4	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Chlorid-BG



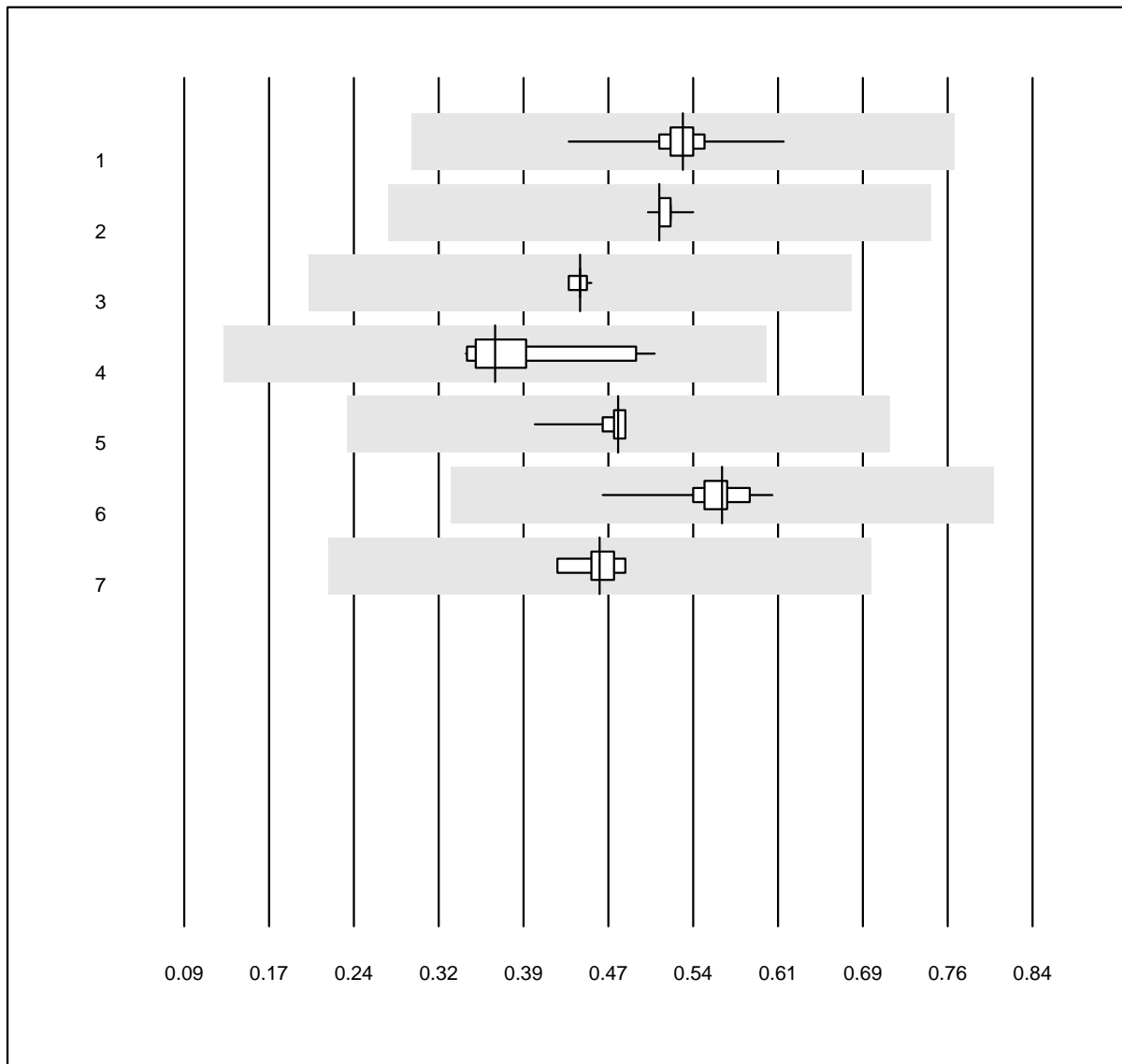
QUALAB Toleranz: 6%

Chlorid-BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	106	100.0	0.0	0.0	97.9	1.2	e
2 ABL90 FLEX / PLUS	157	100.0	0.0	0.0	97.0	0.4	e
3 Cobas b 123	13	100.0	0.0	0.0	100.3	1.8	e
4 EPOC	23	100.0	0.0	0.0	100.2	1.2	e
5 RAPIDPoint 500	28	100.0	0.0	0.0	98.0	0.5	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Calcium BG



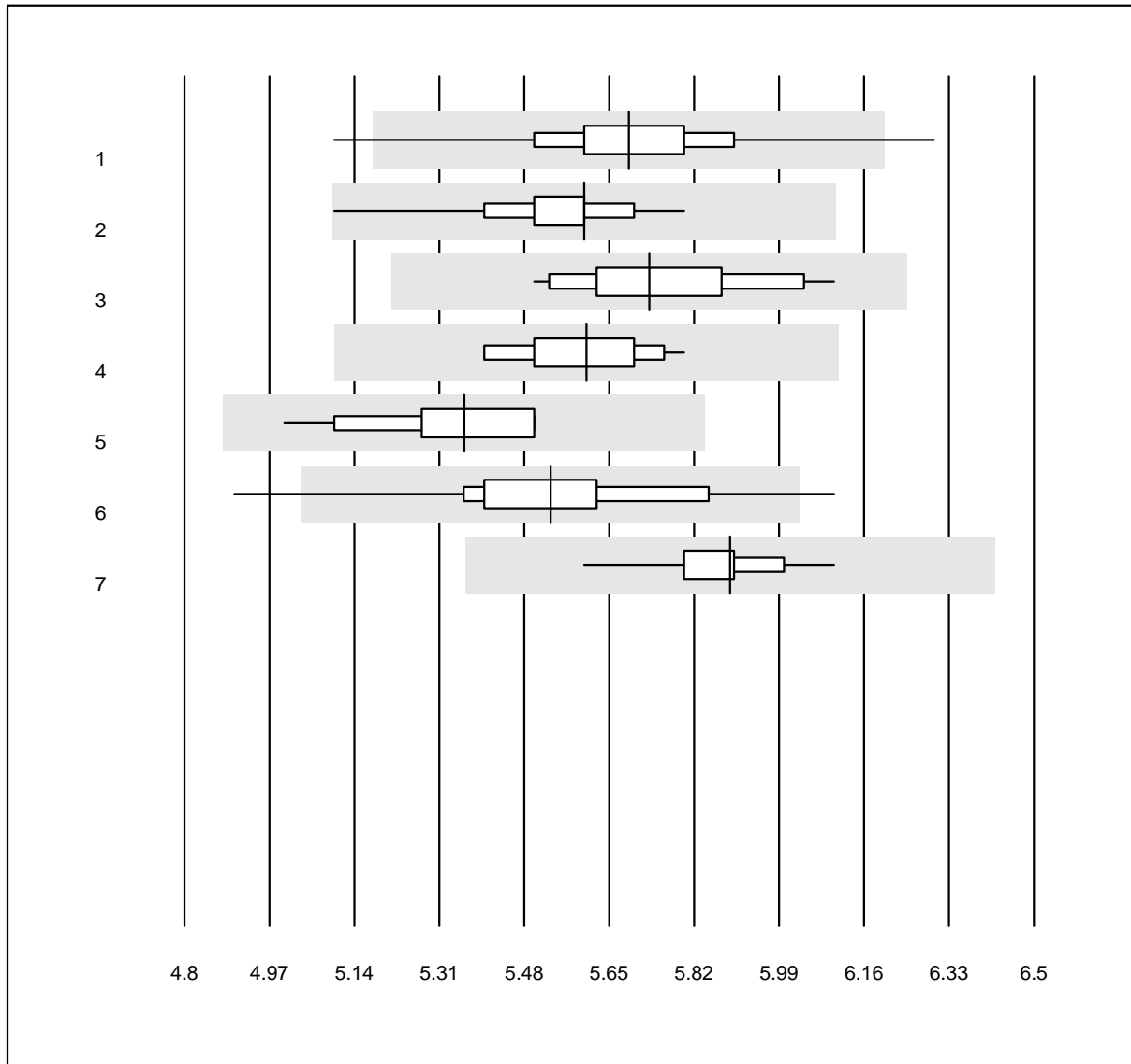
MQ Toleranz: 12%
(< 2.0: +/- 0.24 mmol/l)

Calcium BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	107	100.0	0.0	0.0	0.53	3.7	e
2 ABL90 FLEX / PLUS	162	99.4	0.0	0.6	0.51	1.1	e
3 GEM	13	100.0	0.0	0.0	0.44	1.1	e
4 Cobas b 123	14	100.0	0.0	0.0	0.36	13.8	e
5 iStat	21	100.0	0.0	0.0	0.47	3.7	e
6 EPOC	44	97.7	0.0	2.3	0.57	4.3	e
7 RAPIDPoint 500	27	100.0	0.0	0.0	0.46	3.8	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose BG



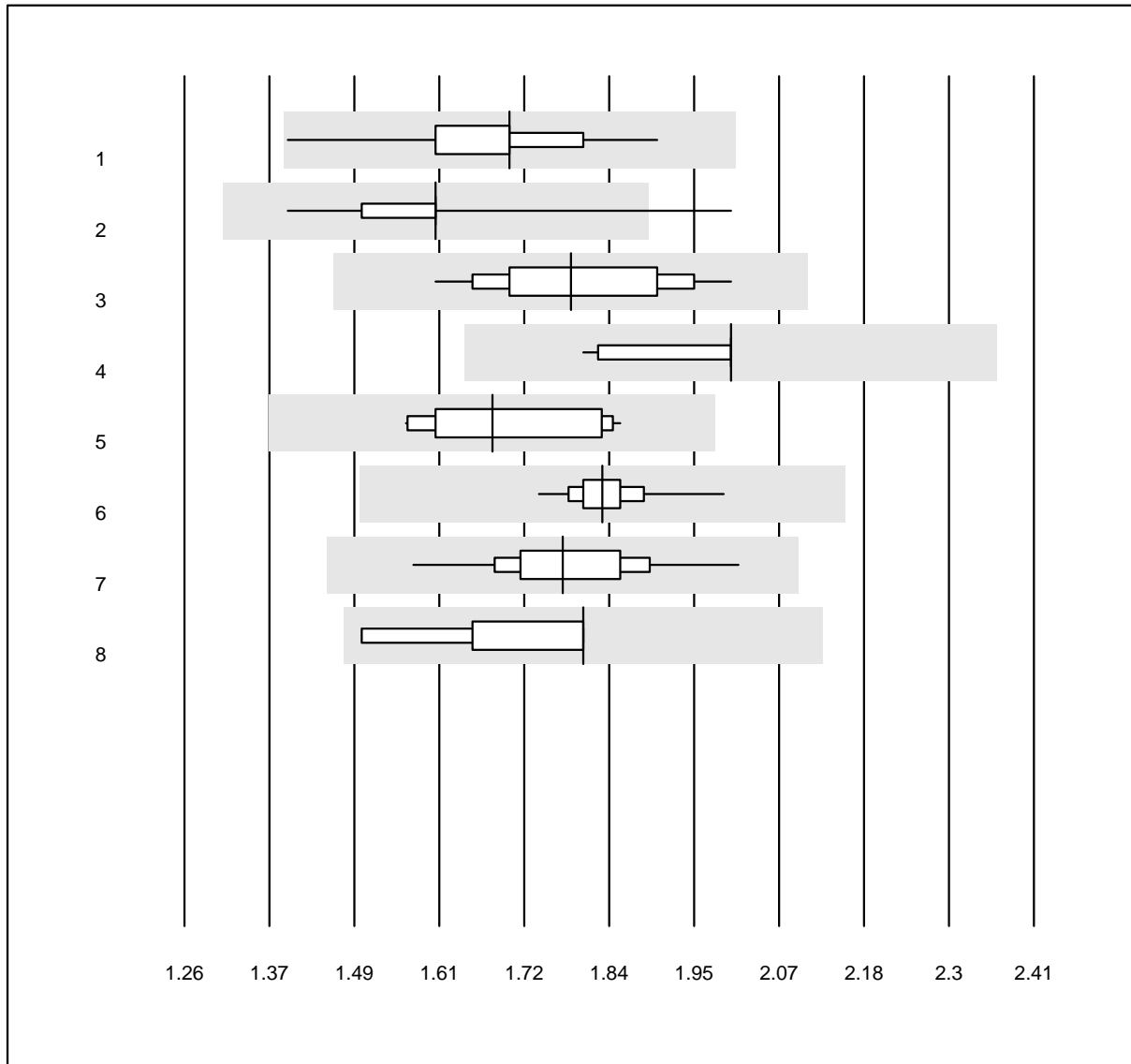
QUALAB Toleranz: 9%

Glucose BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	107	98.1	1.9	0.0	5.7	2.9	e
2 ABL90 FLEX / PLUS	153	100.0	0.0	0.0	5.6	1.9	e
3 GEM	12	100.0	0.0	0.0	5.7	2.8	e
4 Cobas b 123	13	100.0	0.0	0.0	5.6	2.2	e
5 iStat	14	100.0	0.0	0.0	5.4	2.8	e
6 EPOC	47	91.5	6.4	2.1	5.5	4.2	e
7 RAPIDPoint 500	27	100.0	0.0	0.0	5.9	1.7	e

5 additional results were submitted but not published because the method groups were too small. (< results per group)

Lactate-BG



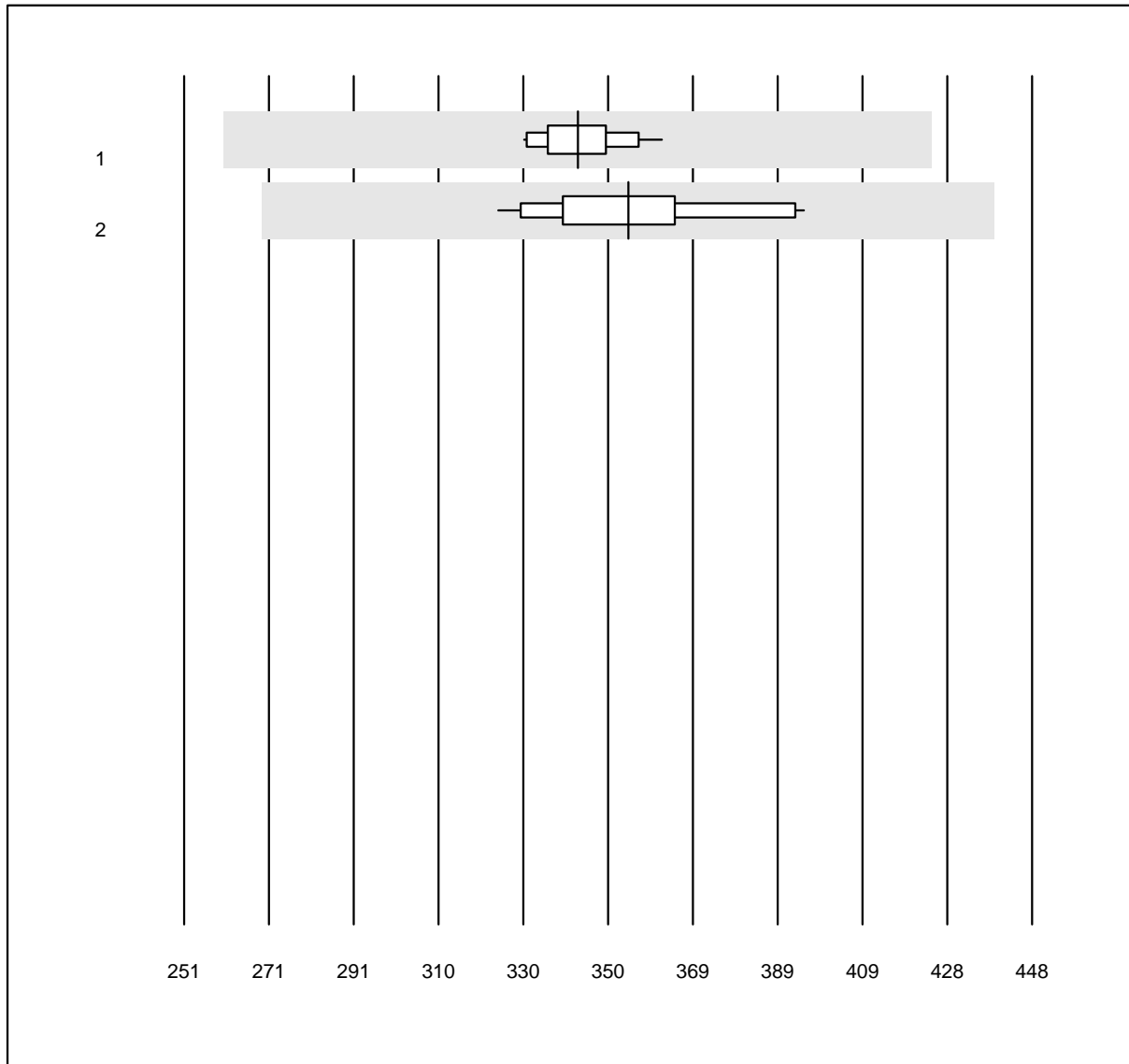
QUALAB Toleranz: 18%

Lactate-BG (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	112	99.1	0.0	0.9	1.70	4.8	e
2 ABL90 FLEX / PLUS	167	99.4	0.6	0.0	1.60	3.7	e
3 GEM	14	100.0	0.0	0.0	1.78	6.2	e
4 Cobas b 123	11	100.0	0.0	0.0	2.00	3.3	e
5 iStat	20	100.0	0.0	0.0	1.68	6.9	e
6 EPOC	45	100.0	0.0	0.0	1.83	2.6	e
7 RAPIDPoint 500	29	100.0	0.0	0.0	1.77	5.2	e
8 IL	4	100.0	0.0	0.0	1.80	5.7	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Troponin T

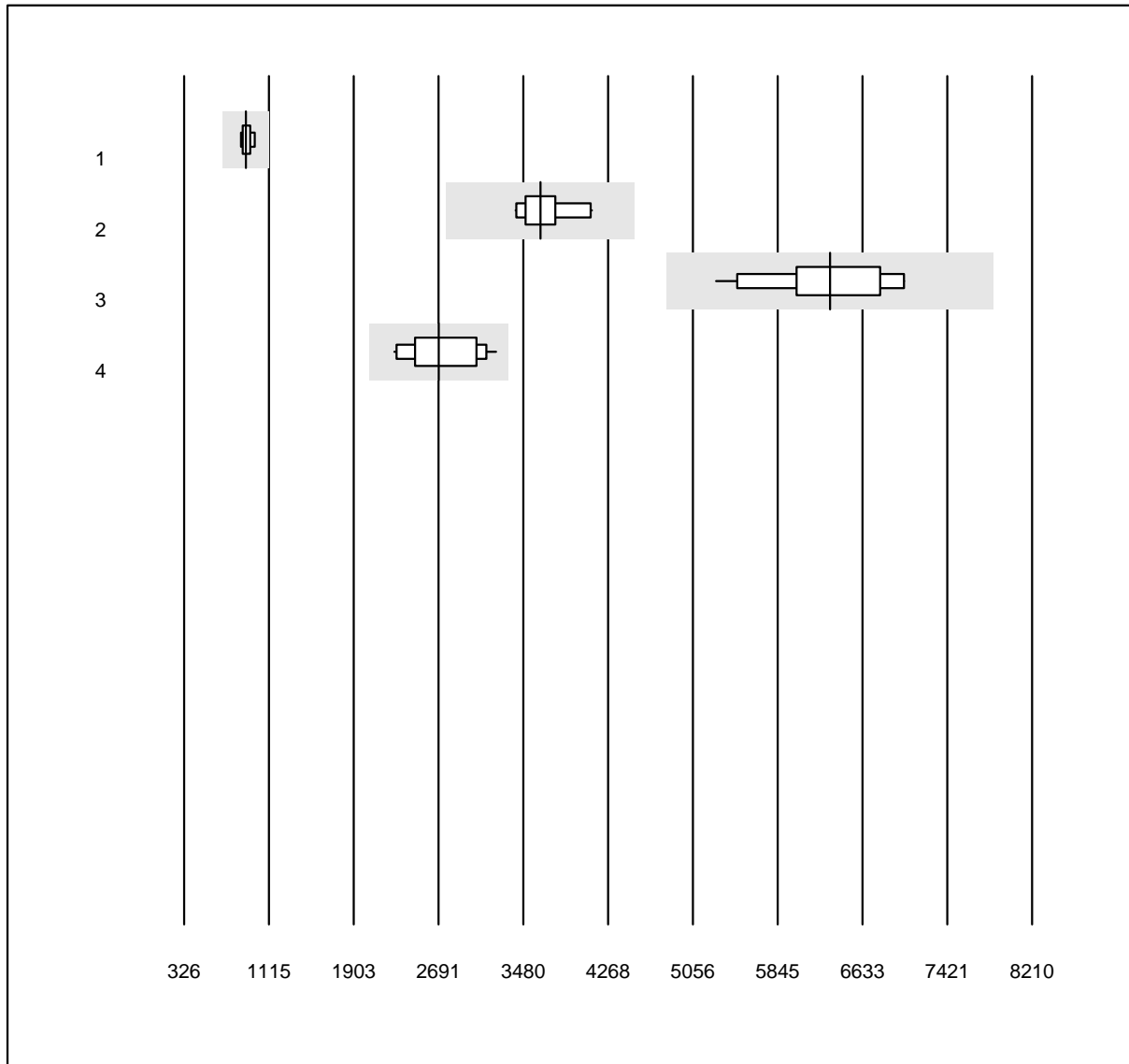


QUALAB Toleranz: 24%

Troponin T (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas hs STAT	25	100.0	0.0	0.0	342.49	2.6	e
2 Cobas hs	13	100.0	0.0	0.0	354.22	5.7	e

Troponin I



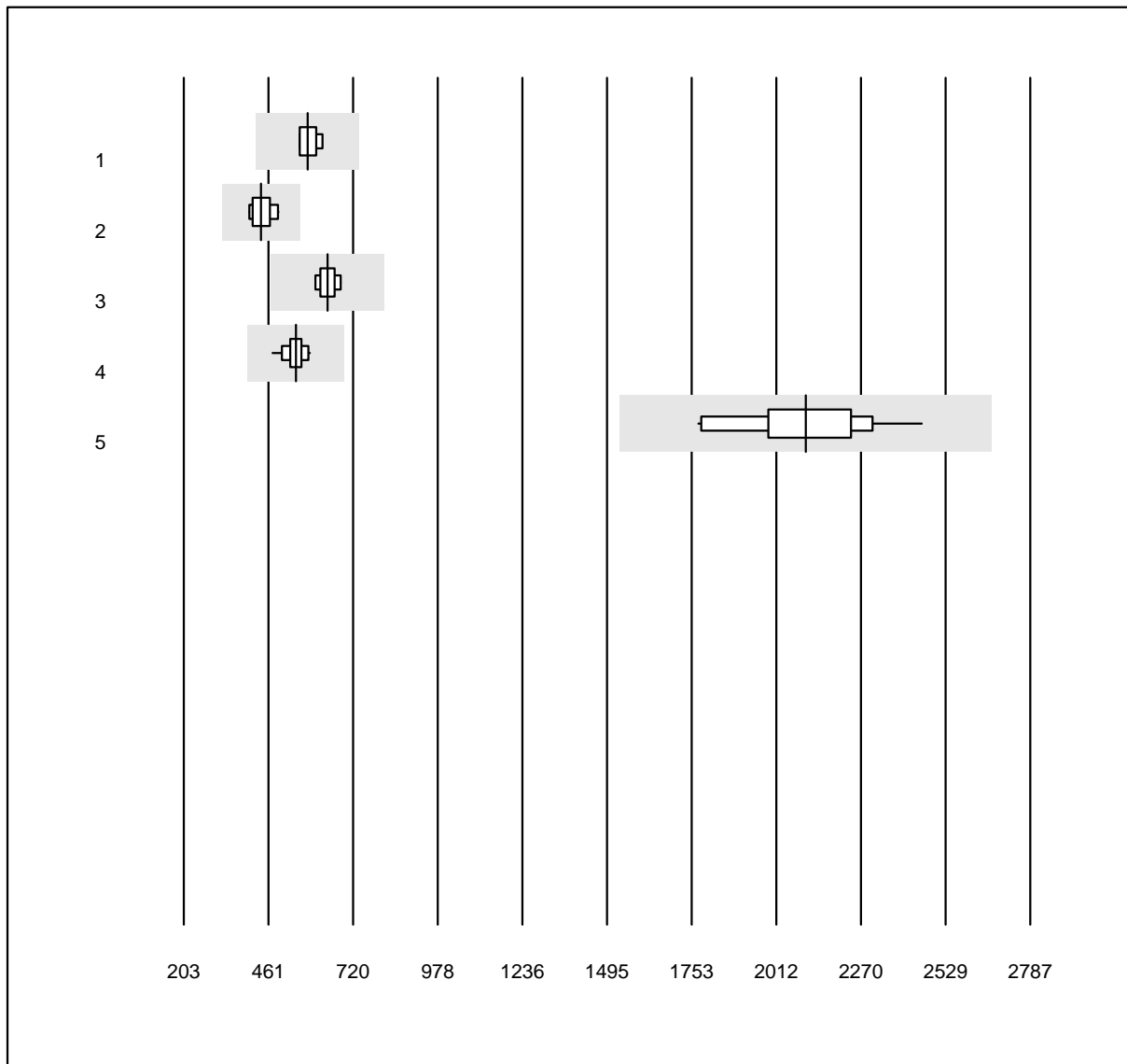
QUALAB Toleranz: 24%

Troponin I (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	900.7	4.3	e
2 Siemens	10	100.0	0.0	0.0	3639.8	6.3	e
3 Vidas	15	100.0	0.0	0.0	6331.7	8.1	e
4 Pathfast	21	100.0	0.0	0.0	2693.7	11.3	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

NT-proBNP



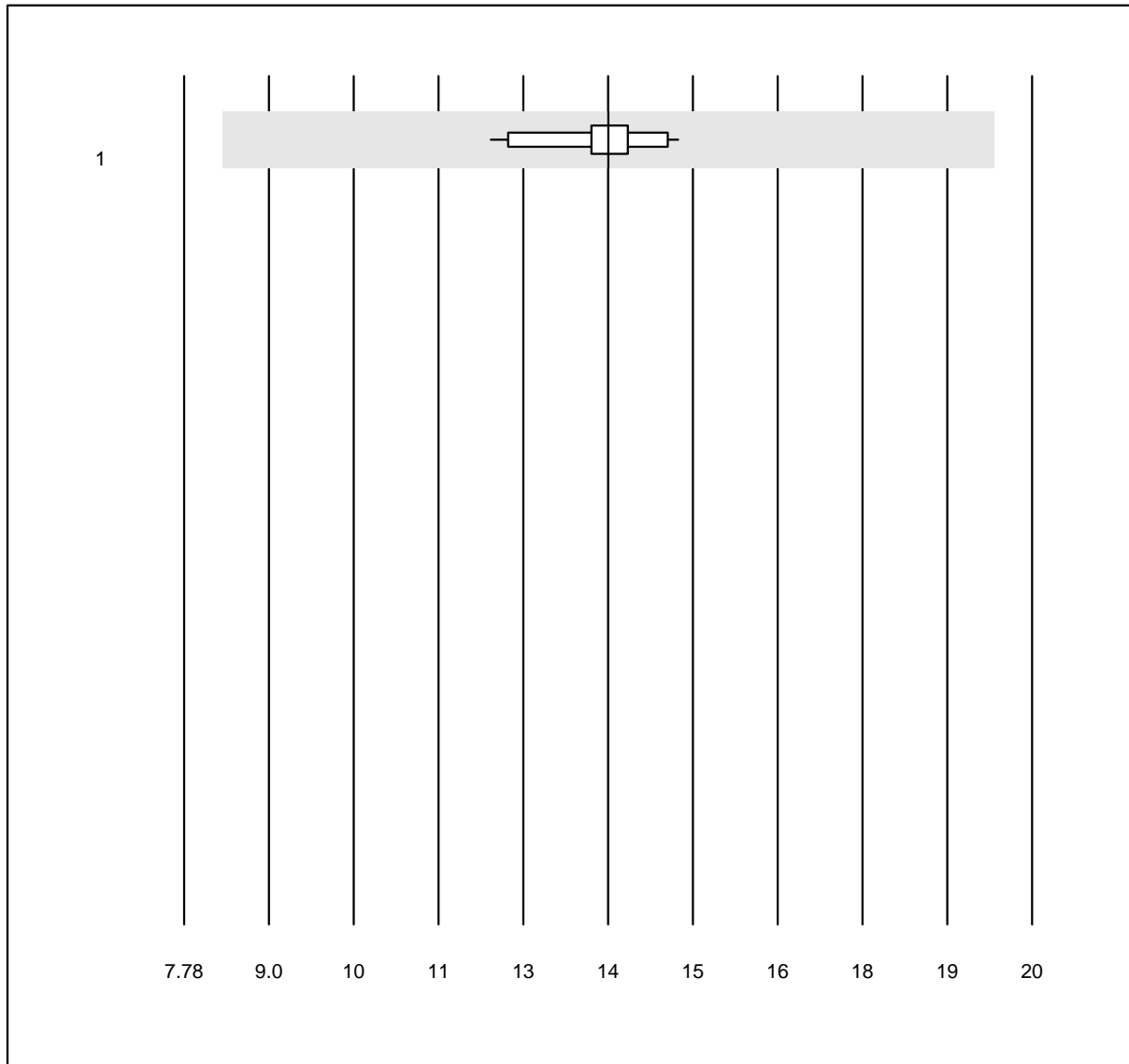
QUALAB Toleranz: 27%

NT-proBNP (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	581.2	4.5	e
2 Siemens	10	100.0	0.0	0.0	438.6	6.9	e
3 VIDAS	9	100.0	0.0	0.0	642.0	4.1	e
4 Cobas E / Elecsys	31	100.0	0.0	0.0	545.6	4.9	e
5 Pathfast	17	100.0	0.0	0.0	2102.0	8.5	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

CK-MB mass



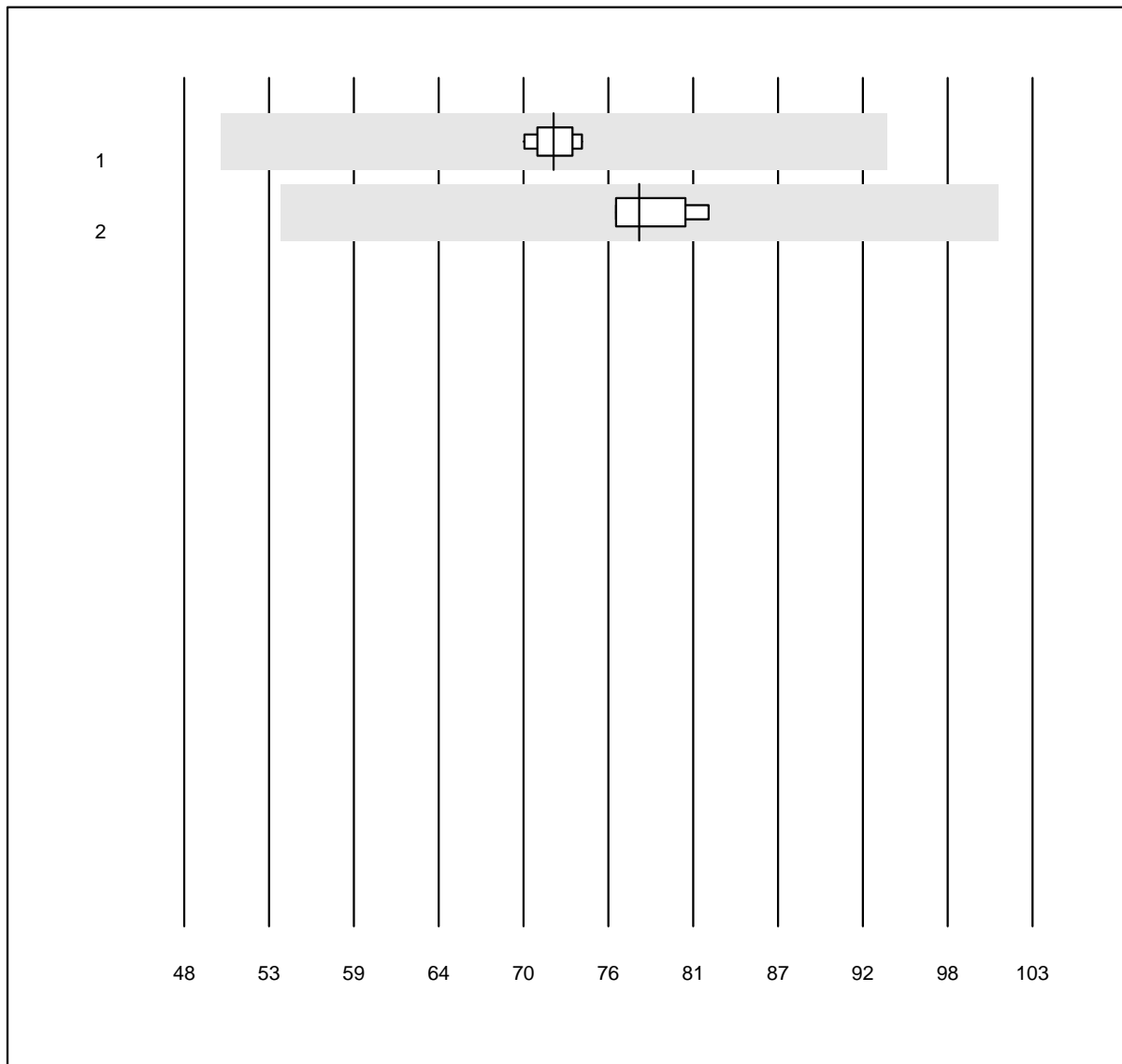
MQ Toleranz: 40%

CK-MB mass (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas E / Elecsys	14	100.0	0.0	0.0	13.9	5.1	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Myoglobin



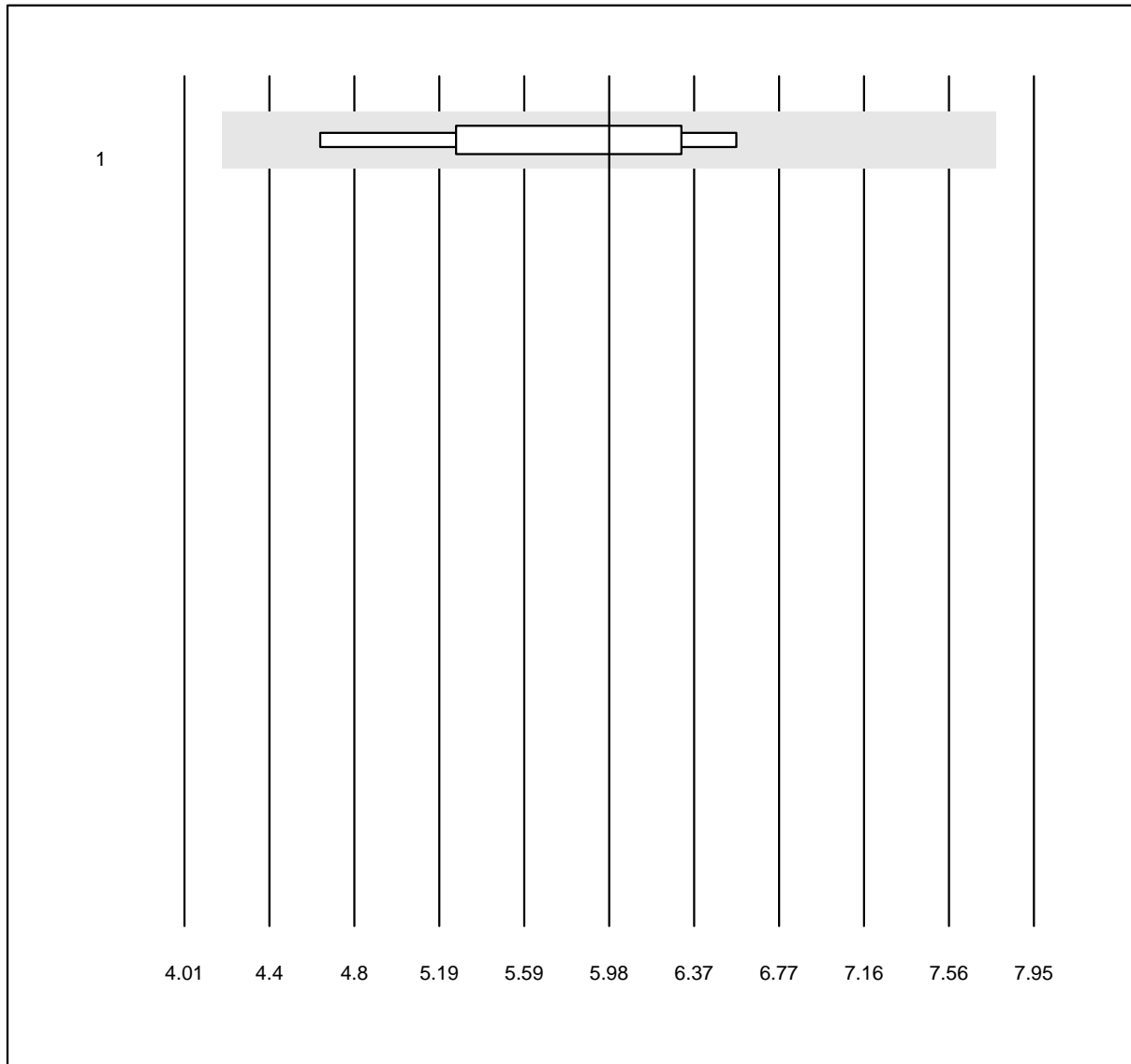
QUALAB Toleranz: 30%

Myoglobin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas E / Elecsys	10	100.0	0.0	0.0	72.0	1.7	e
2 Other methods	4	100.0	0.0	0.0	77.5	3.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

17-OH-Progesteron



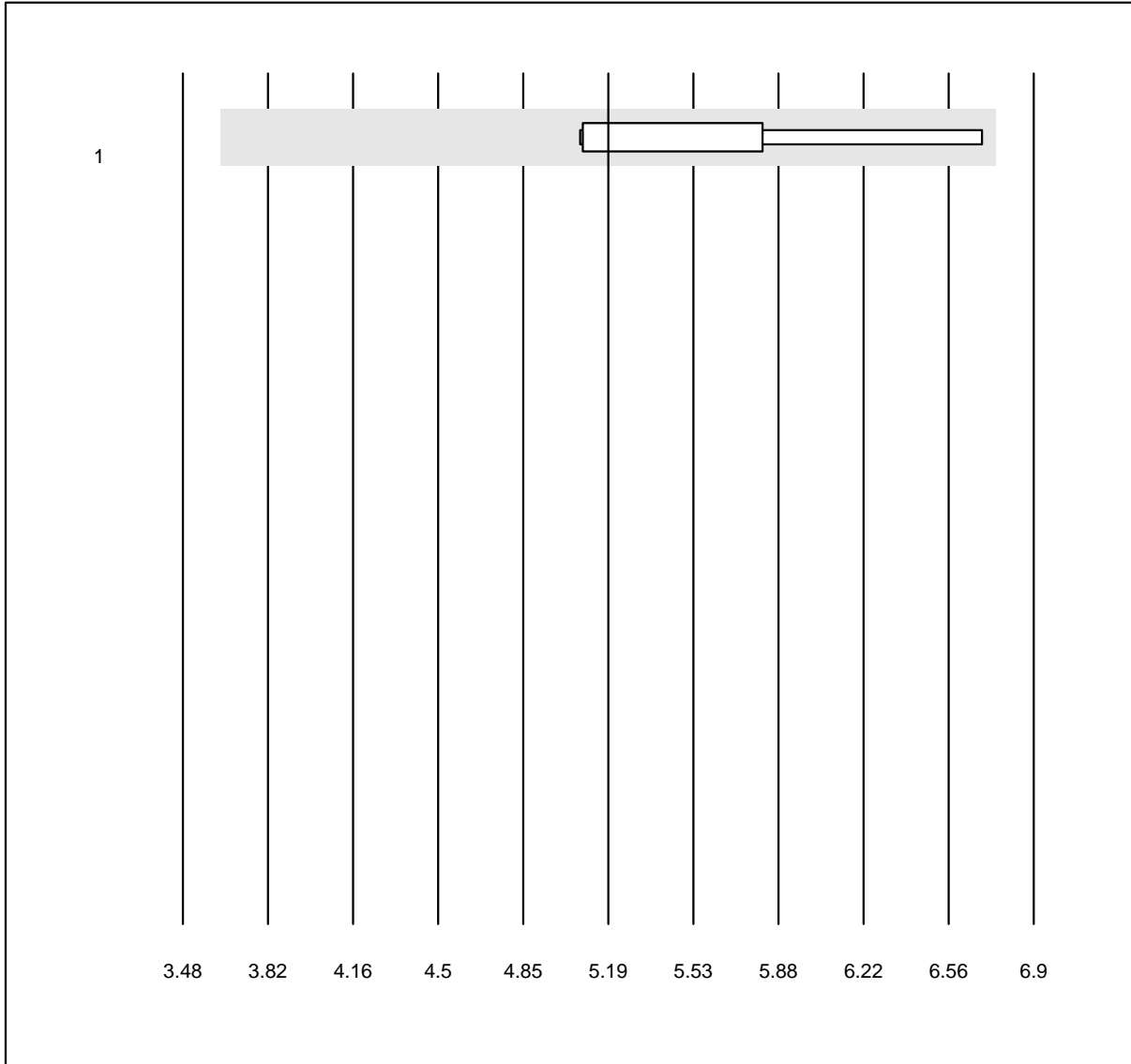
MQ Toleranz: 30%

17-OH-Progesteron (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	4	100.0	0.0	0.0	6.0	9.7	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Androstendion



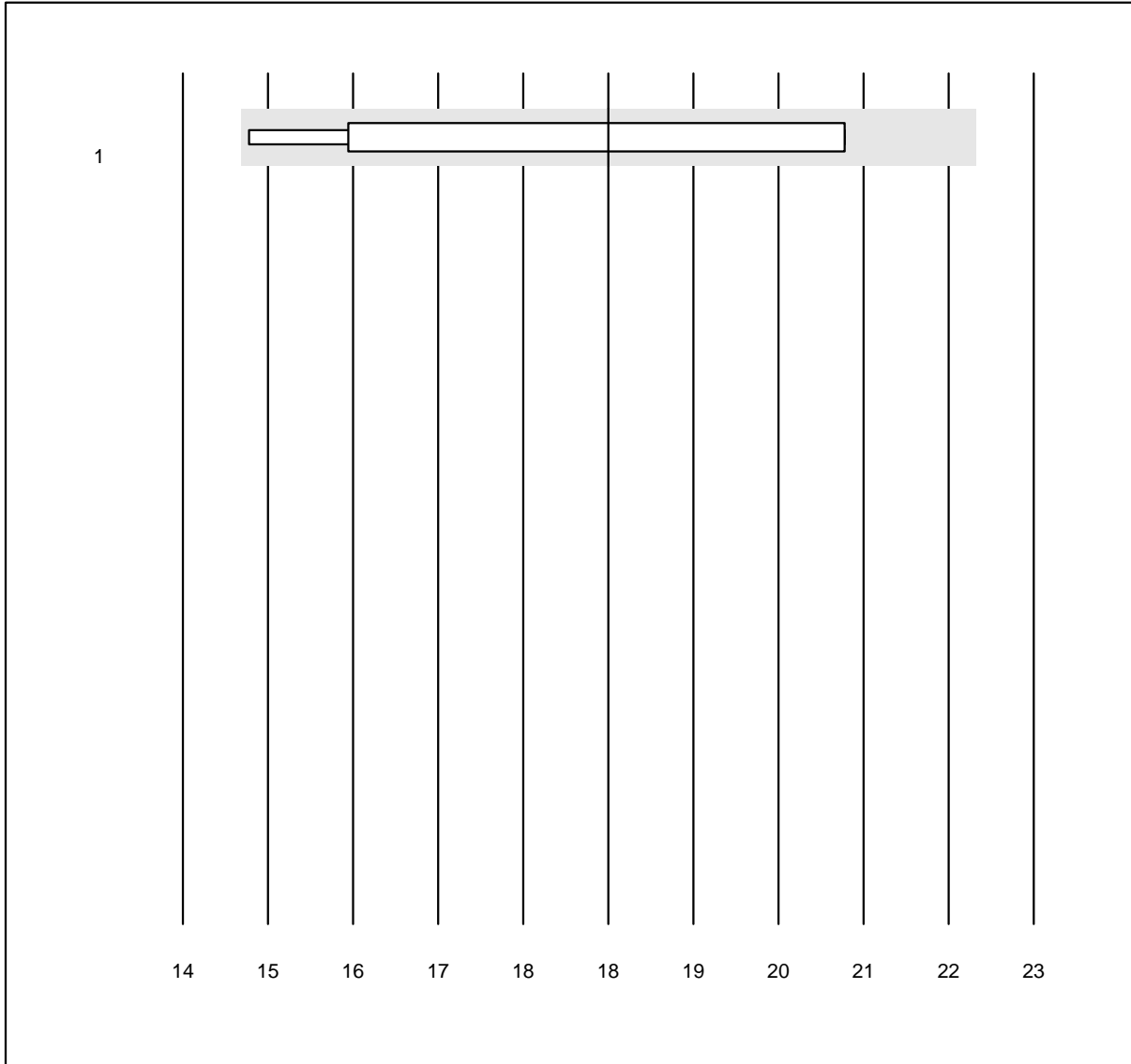
MQ Toleranz: 30%

Androstendion (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	6	100.0	0.0	0.0	5.2	9.8	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Beta-HCG total



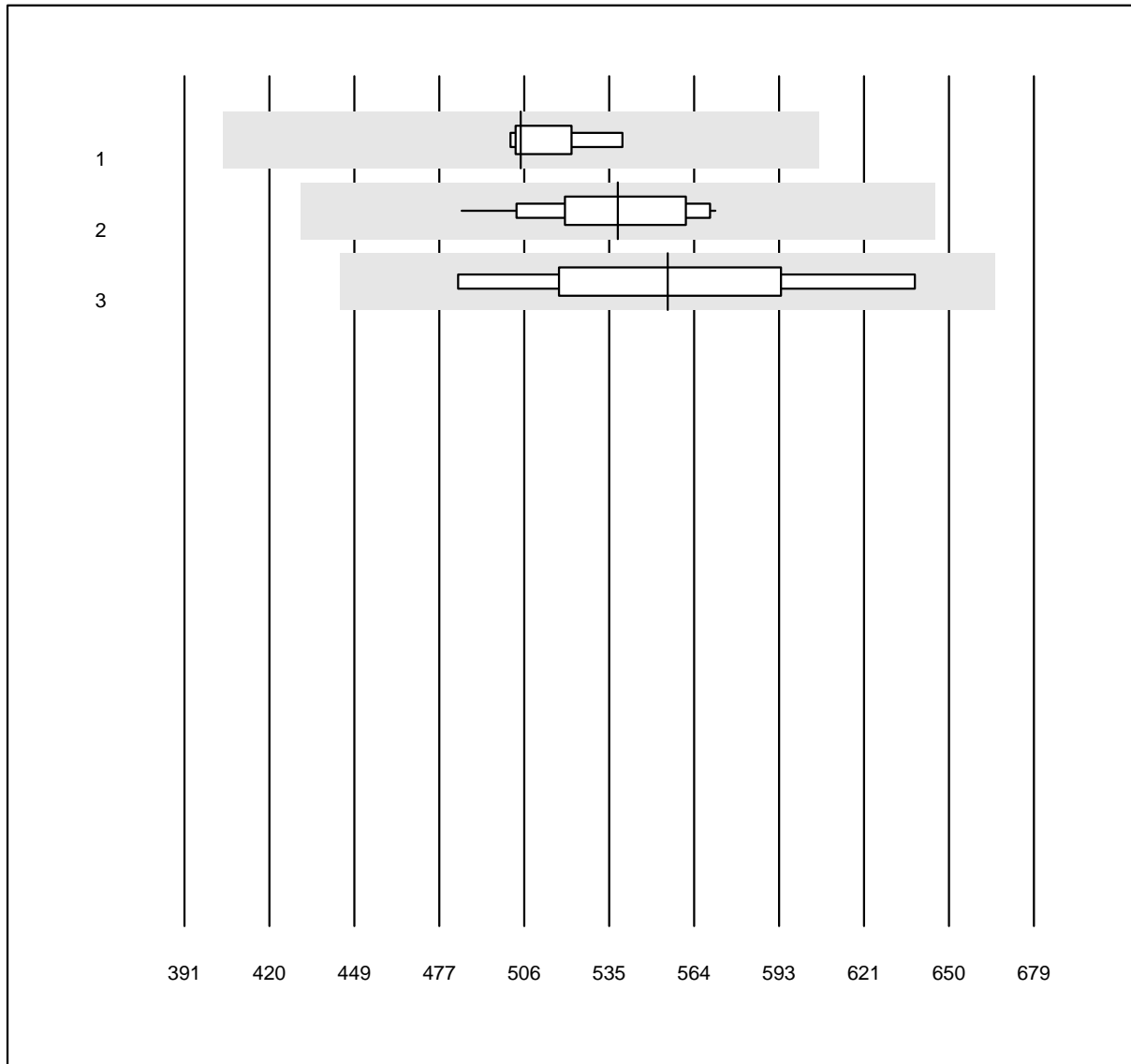
QUALAB Toleranz: 21%

Beta-HCG total (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 AFIAS	6	100.0	0.0	0.0	18.5	13.7	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Cortisol



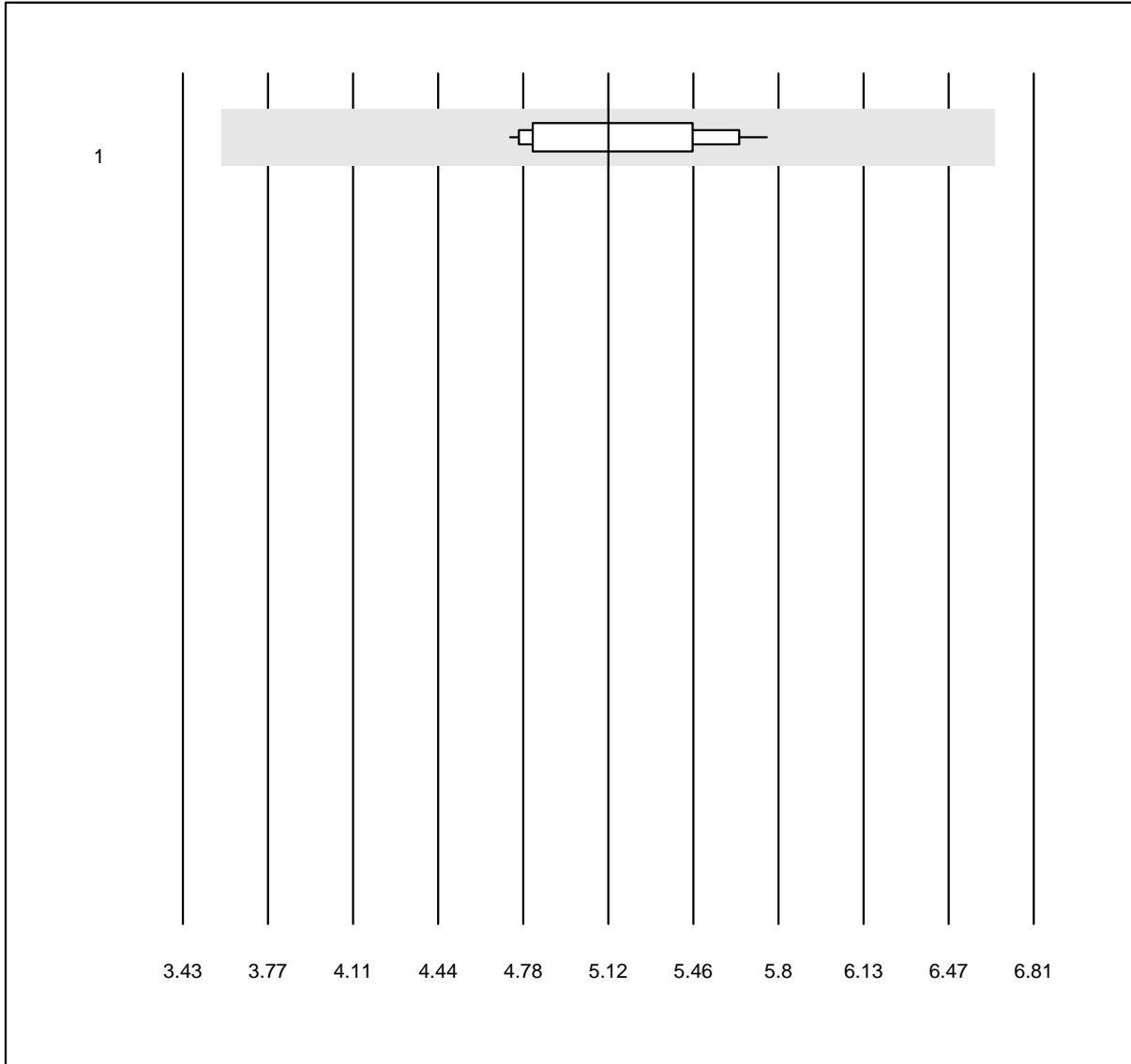
QUALAB Toleranz: 20%

Cortisol (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	505	2.3	e
2 Roche	23	100.0	0.0	0.0	538	4.4	e
3 Other methods	5	100.0	0.0	0.0	555	7.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

DHEAS



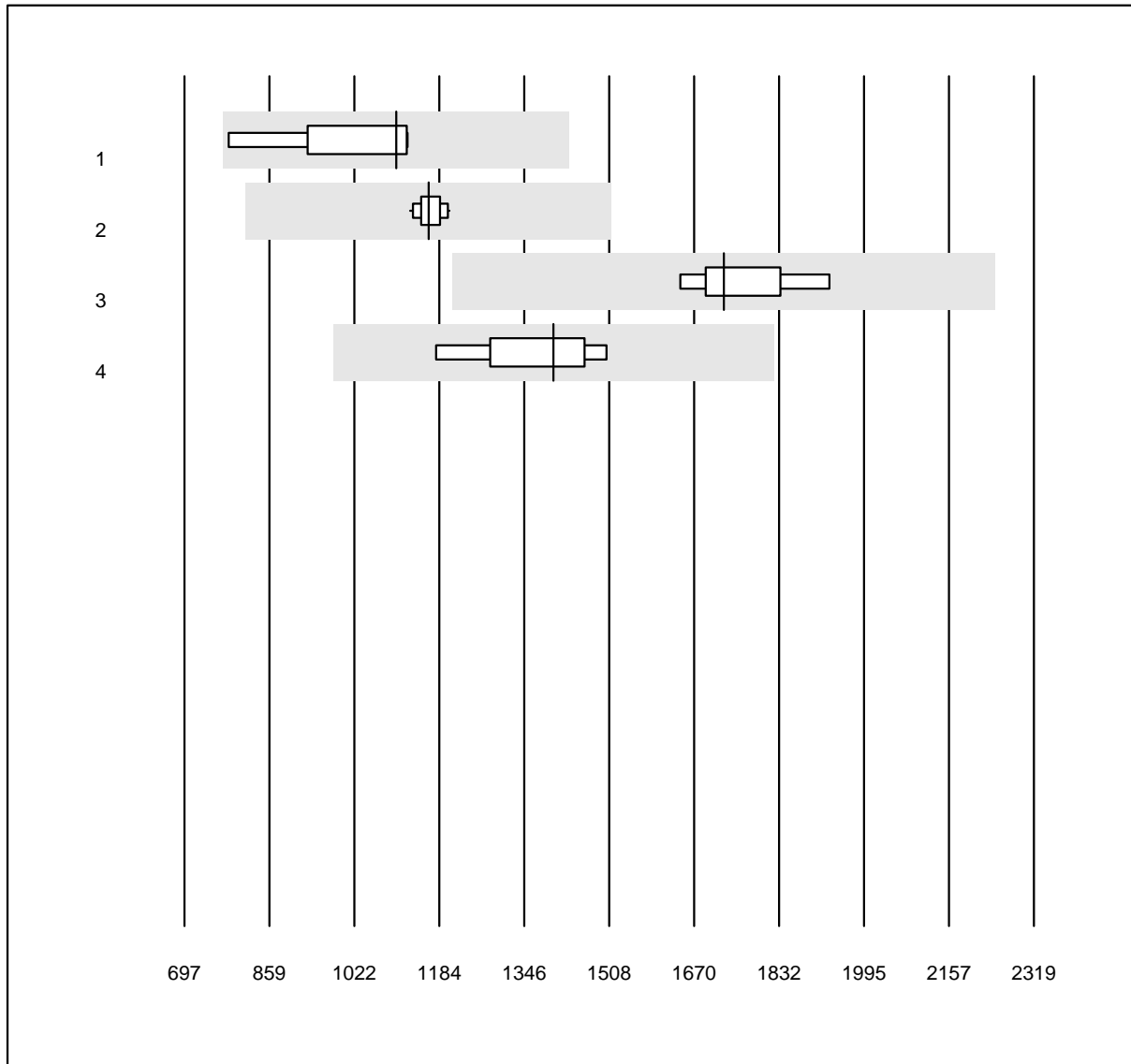
MQ Toleranz: 30%

DHEAS (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	14	100.0	0.0	0.0	5.12	6.5	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Estradiol

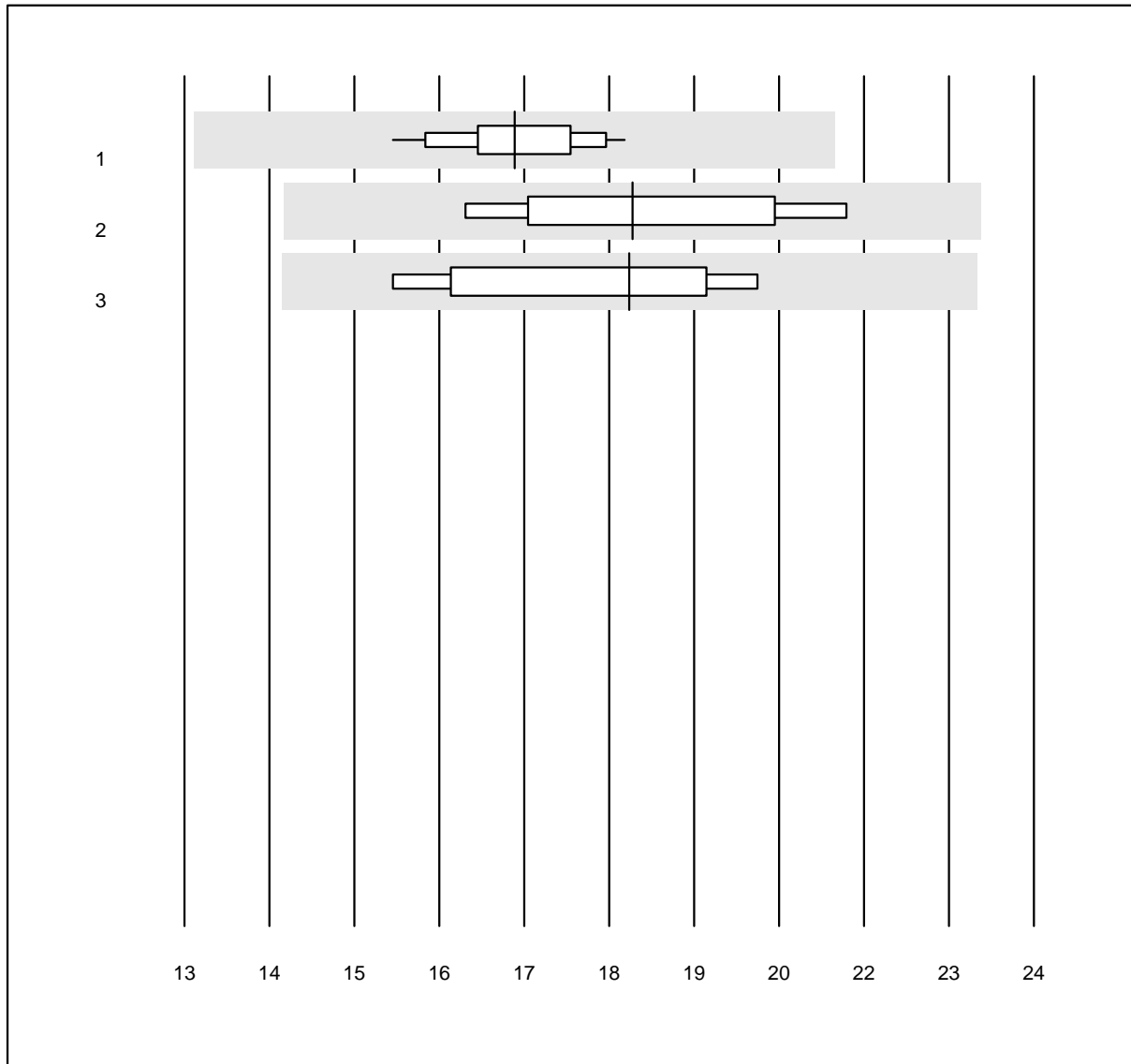


QUALAB Toleranz: 30%

Estradiol (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	1101	10.9	e*
2 Roche	15	100.0	0.0	0.0	1163	1.9	e
3 Siemens	8	100.0	0.0	0.0	1727	5.3	e
4 Other methods	4	100.0	0.0	0.0	1402	7.0	e

Follicle-stimulating hormone



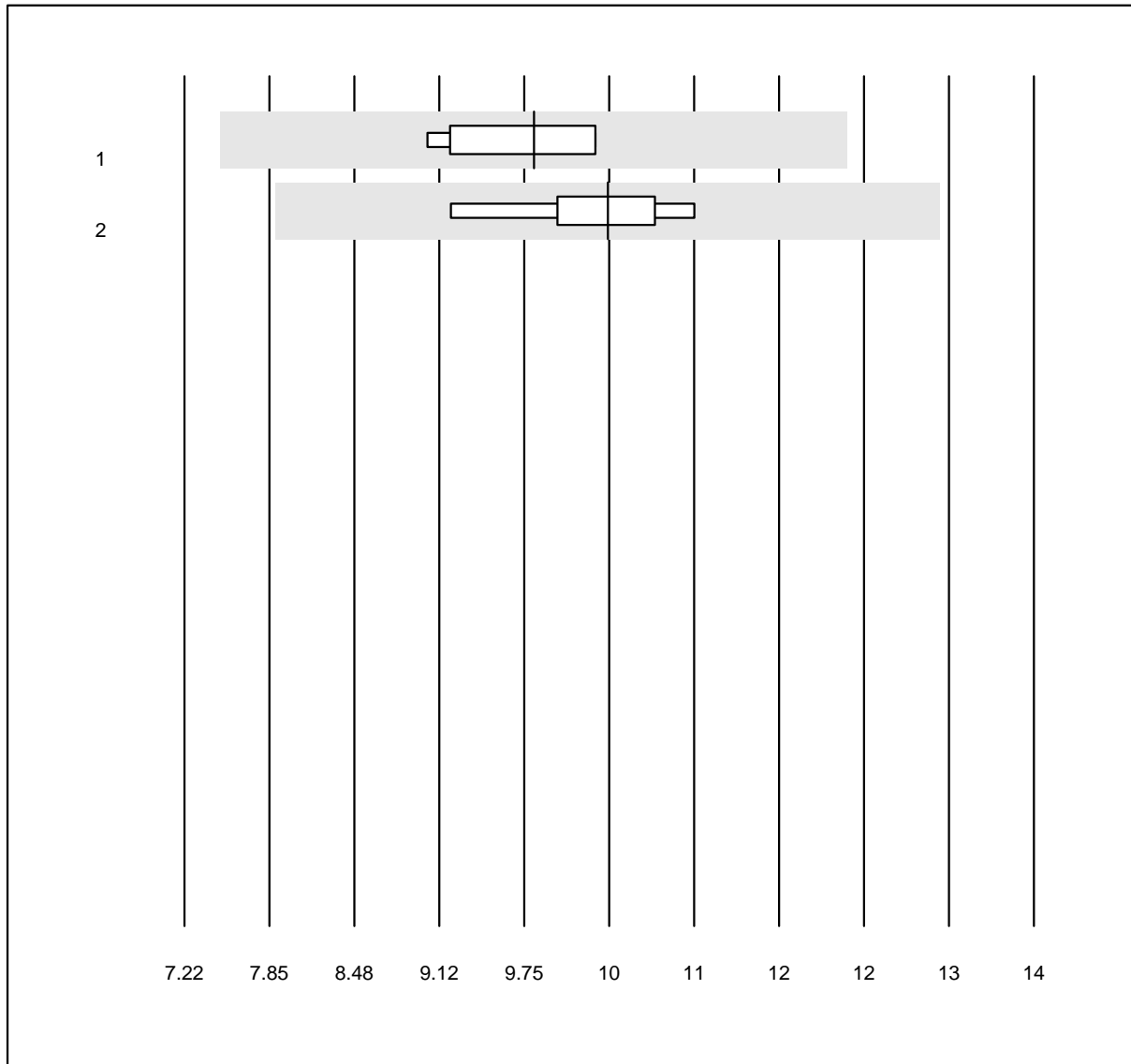
QUALAB Toleranz: 24%

Follicle-stimulating hormone (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	17.3	4.4	e
2 ADVIA Centaur XP/CP	5	100.0	0.0	0.0	18.8	9.0	e*
3 Other methods	5	80.0	0.0	20.0	18.8	9.5	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

HGH

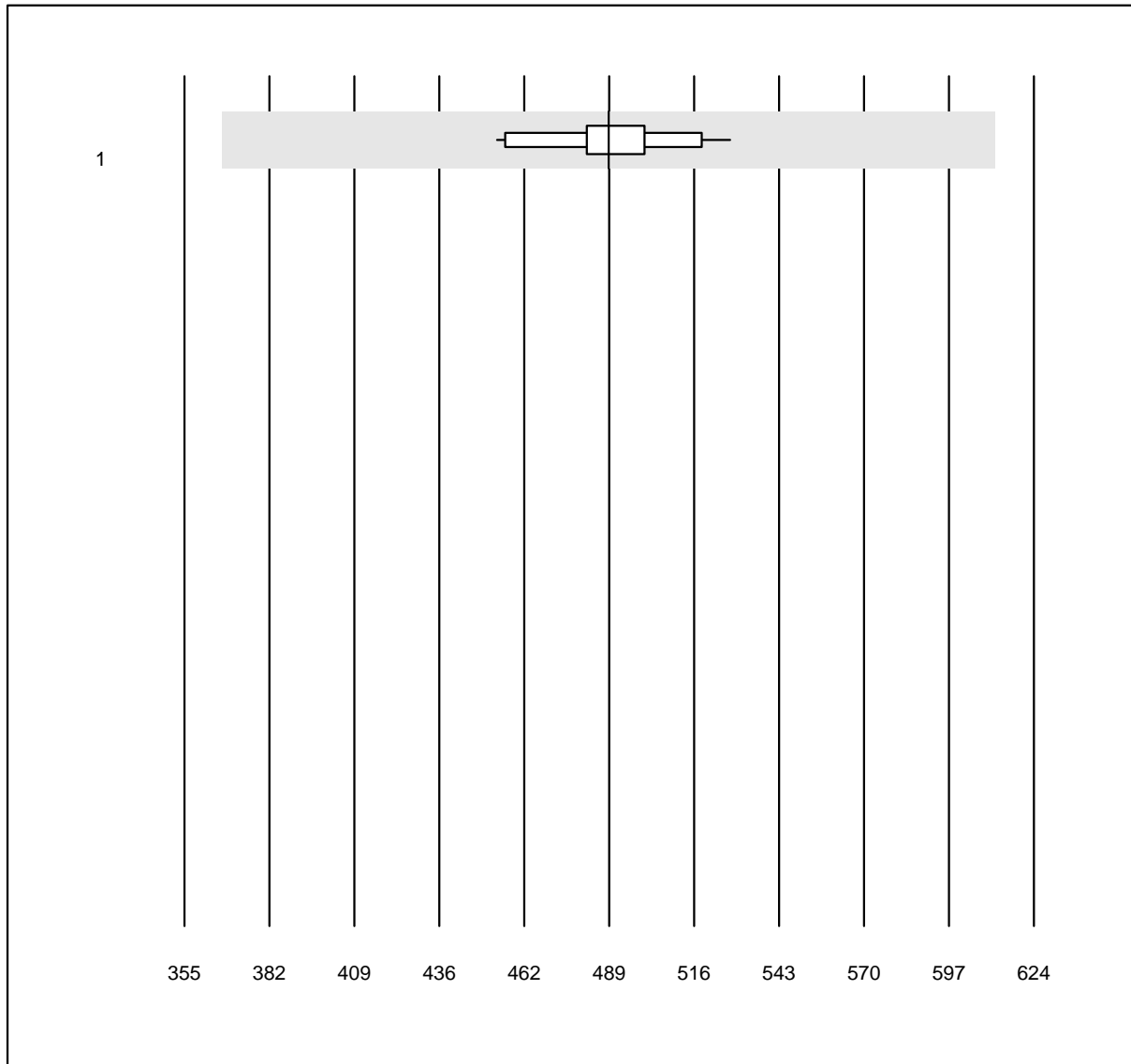


MQ Toleranz: 25%

HGH (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	4	100.0	0.0	0.0	10.01	6.5	e*
2 all Participants	6	100.0	0.0	0.0	10.60	5.2	e

Insulin



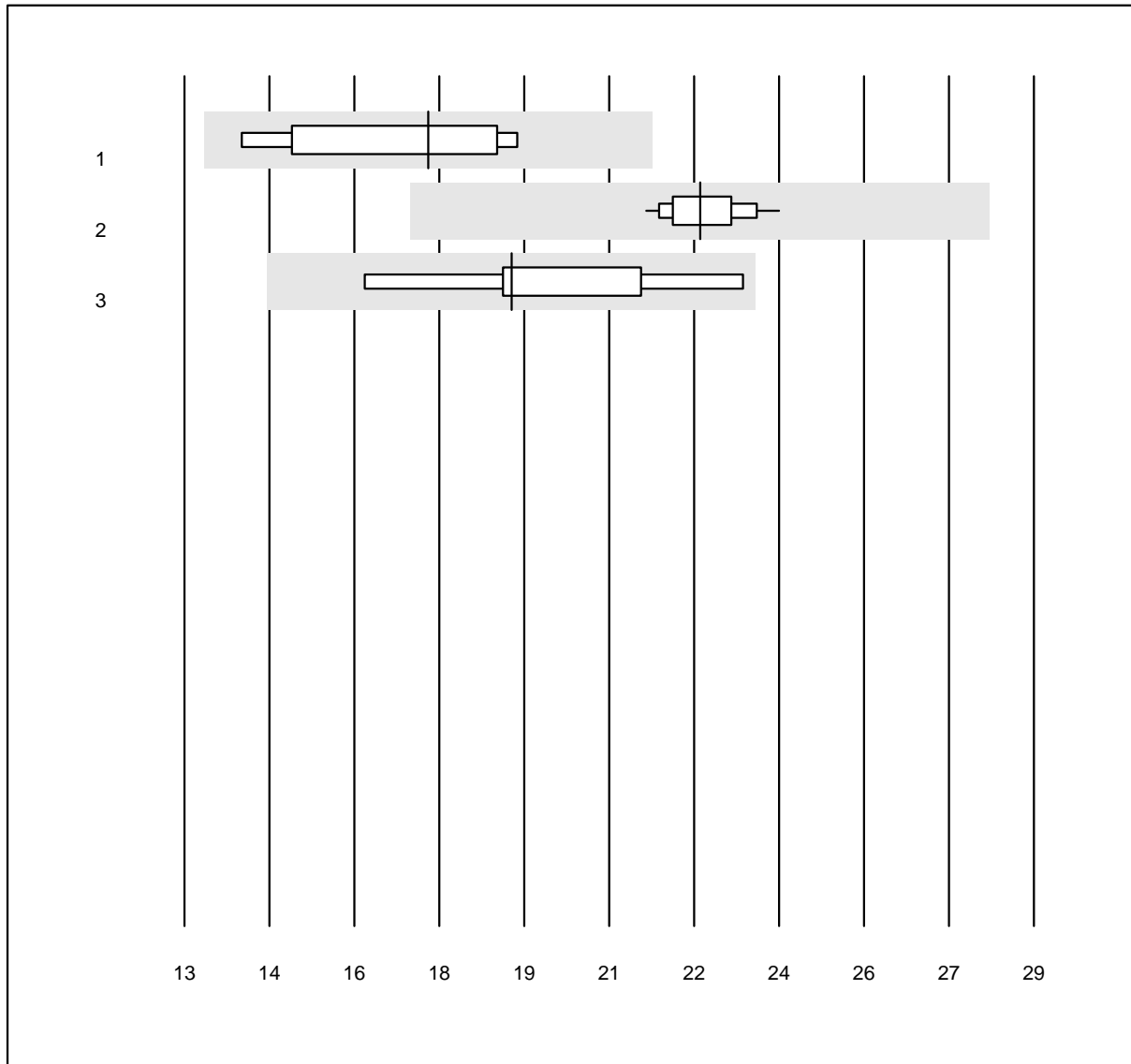
MQ Toleranz: 25%

Insulin (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	19	94.7	0.0	5.3	489	3.9	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Luteinizing hormone



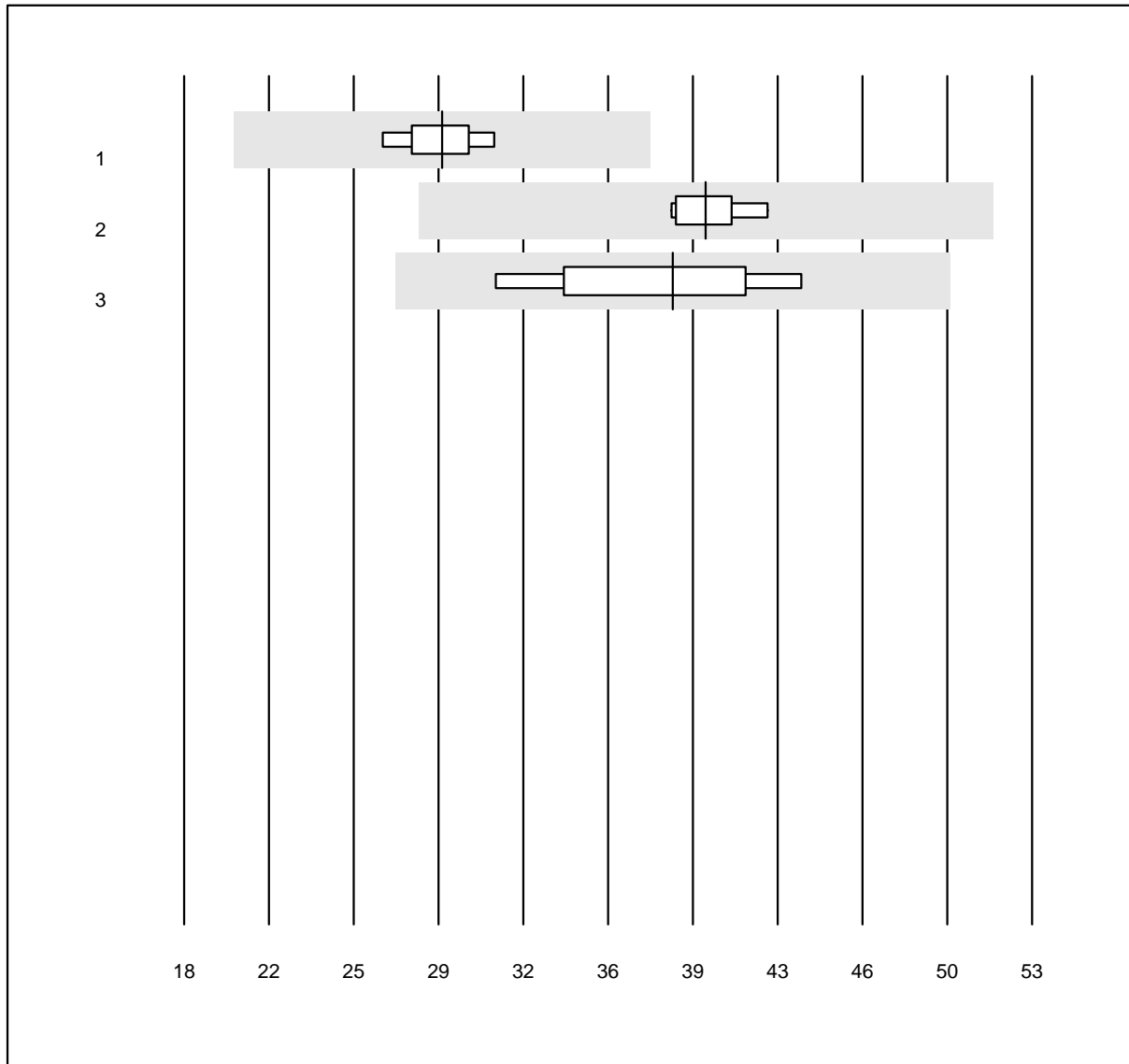
QUALAB Toleranz: 24%

Luteinizing hormone (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	17.6	12.1	e*
2 Roche	15	100.0	0.0	0.0	22.7	2.9	e
3 Siemens	7	100.0	0.0	0.0	19.2	10.4	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Progesteron



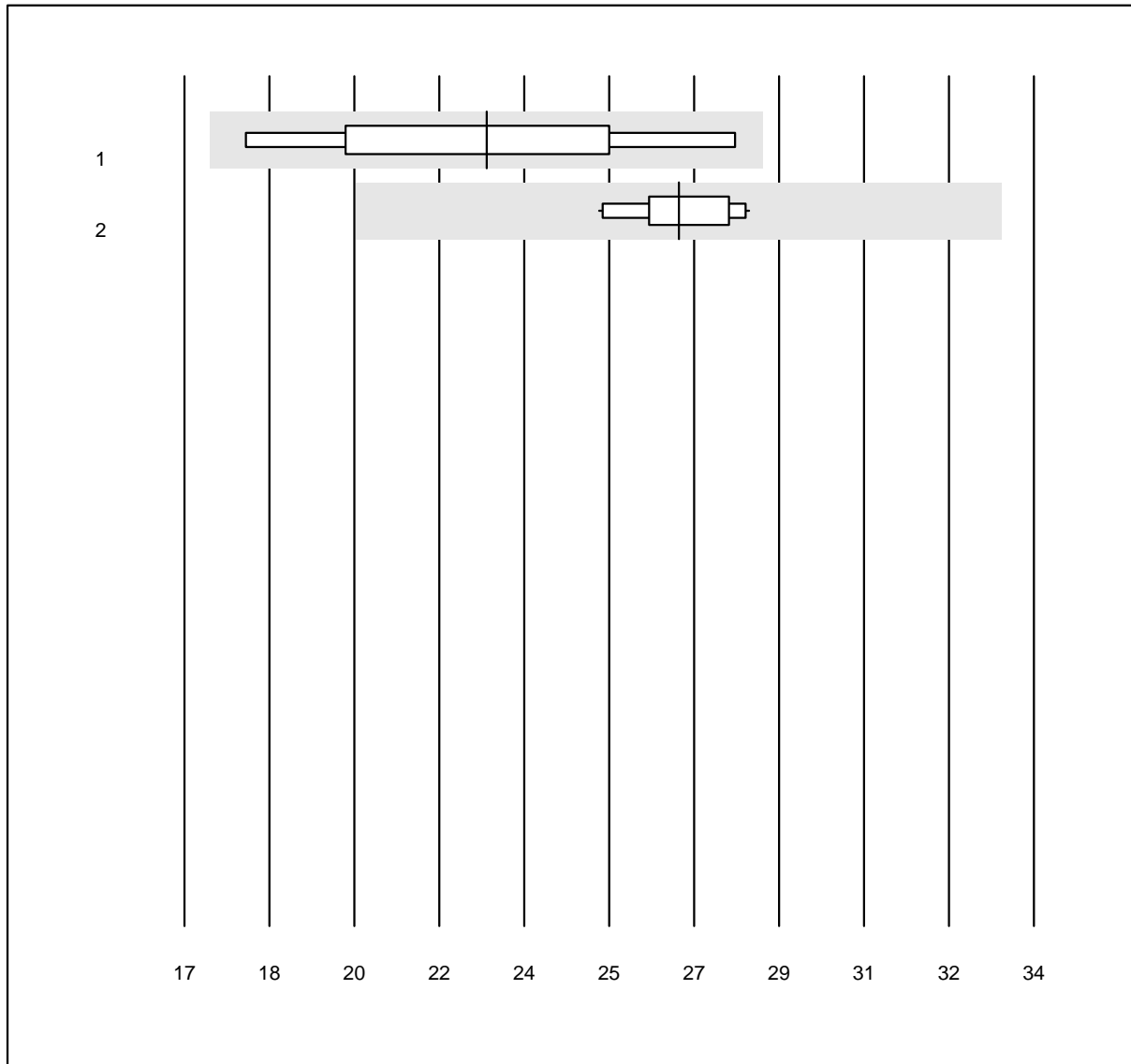
MQ Toleranz: 30%

Progesteron (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	28.6	4.4	e
2 Roche	11	100.0	0.0	0.0	39.5	3.7	e
3 Other methods	6	100.0	0.0	0.0	38.2	10.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Prolactin (PRL)



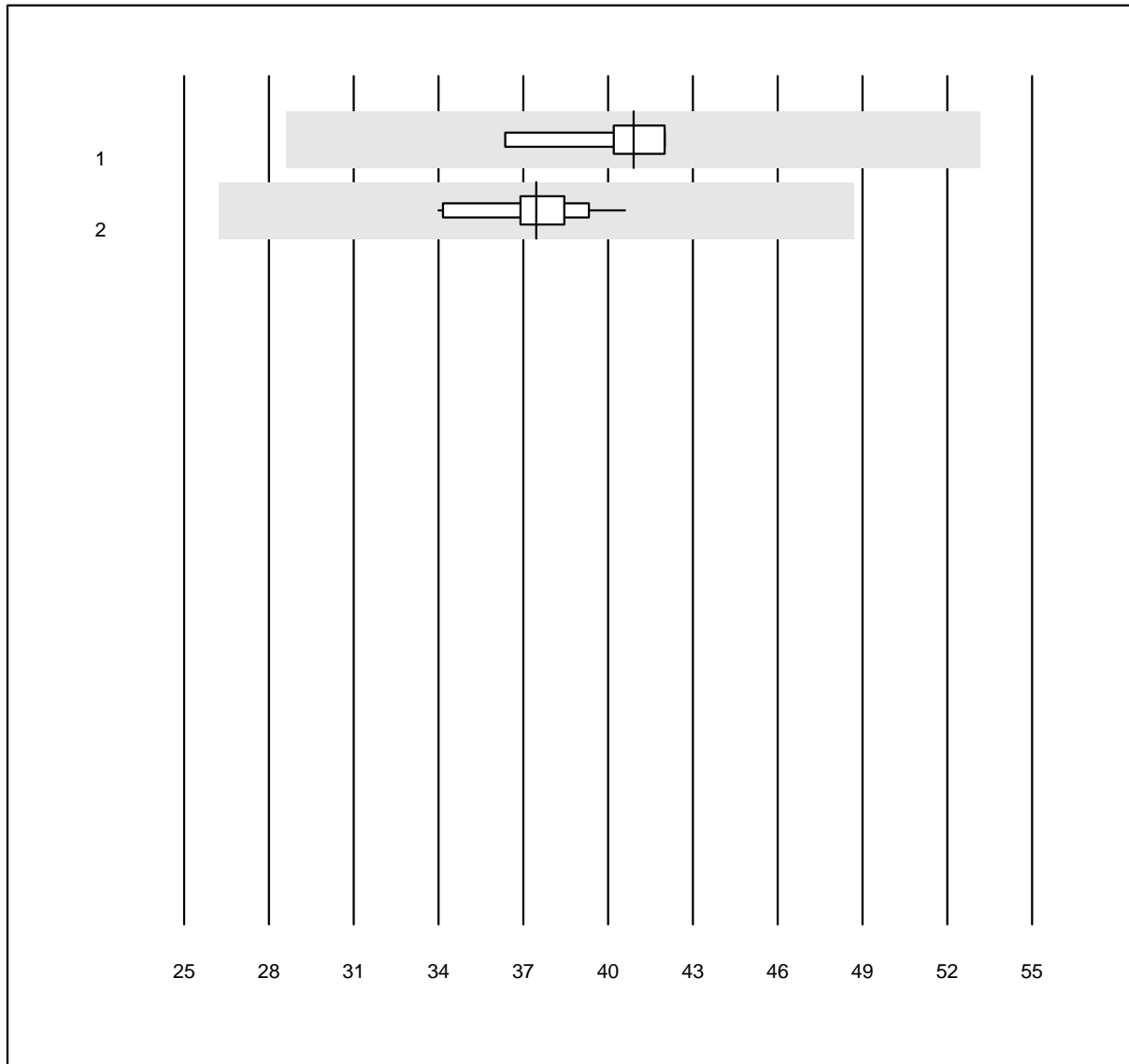
QUALAB Toleranz: 24%

Prolactin (PRL) (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	23.1	13.7	a*
2 Cobas/Roche	16	100.0	0.0	0.0	26.9	3.6	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

SHBG



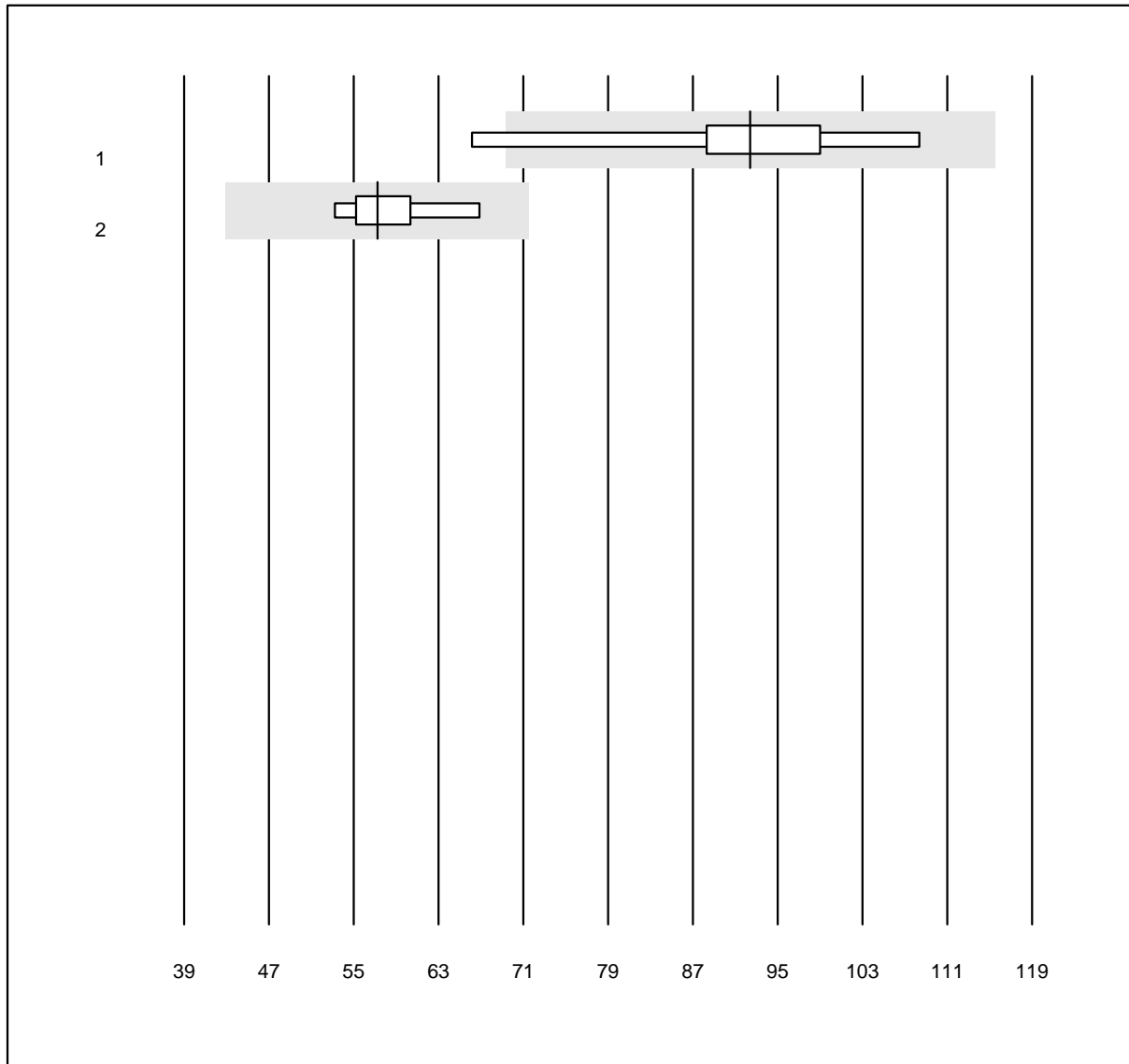
MQ Toleranz: 30%

SHBG (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	40.9	4.3	e
2 Roche	17	100.0	0.0	0.0	37.5	4.5	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IGF-1

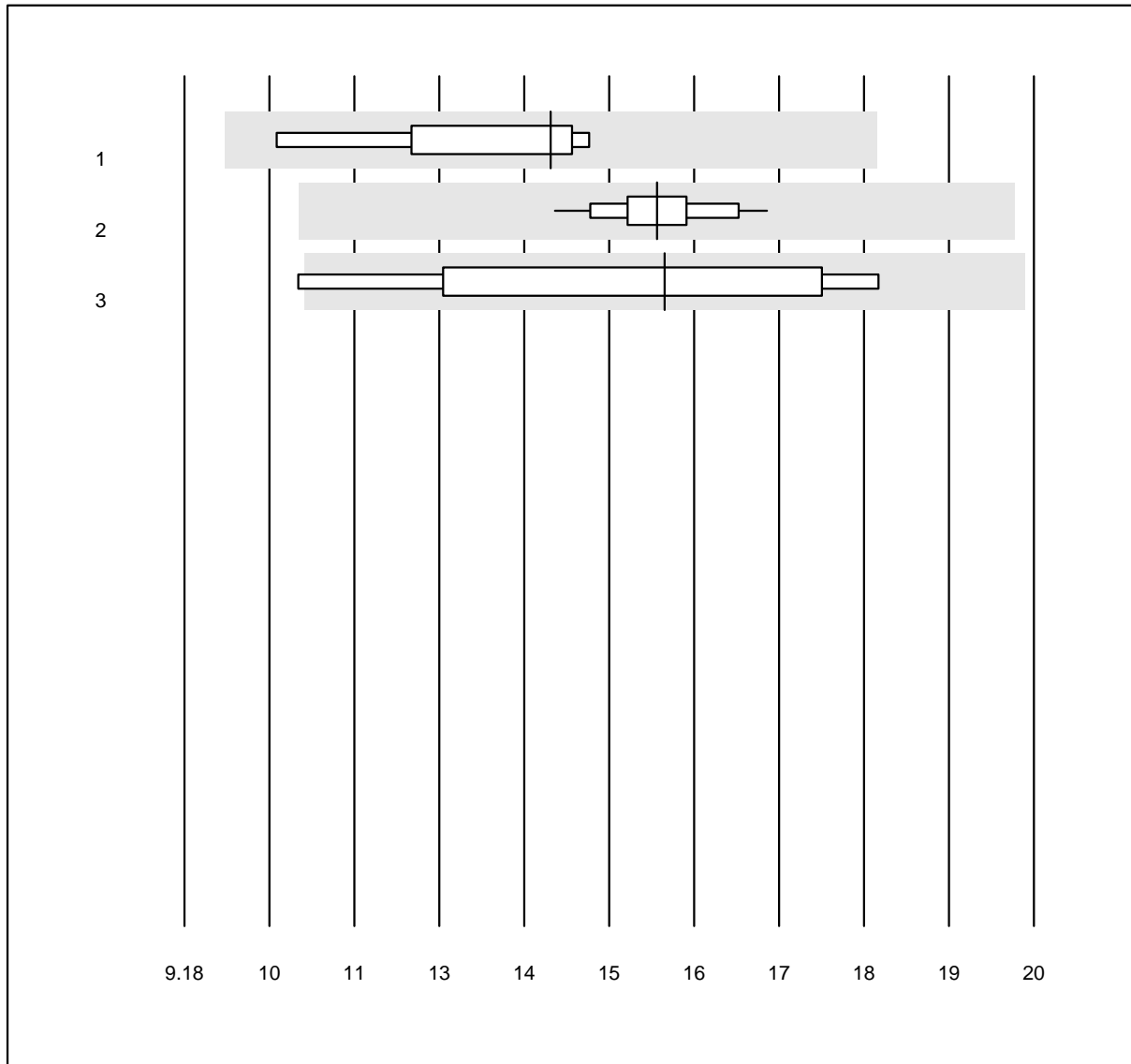


MQ Toleranz: 25%

IGF-1 (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	7	100.0	0.0	0.0	92	12.4	e*
2 Other methods	6	100.0	0.0	0.0	57	6.8	e

Testosterone



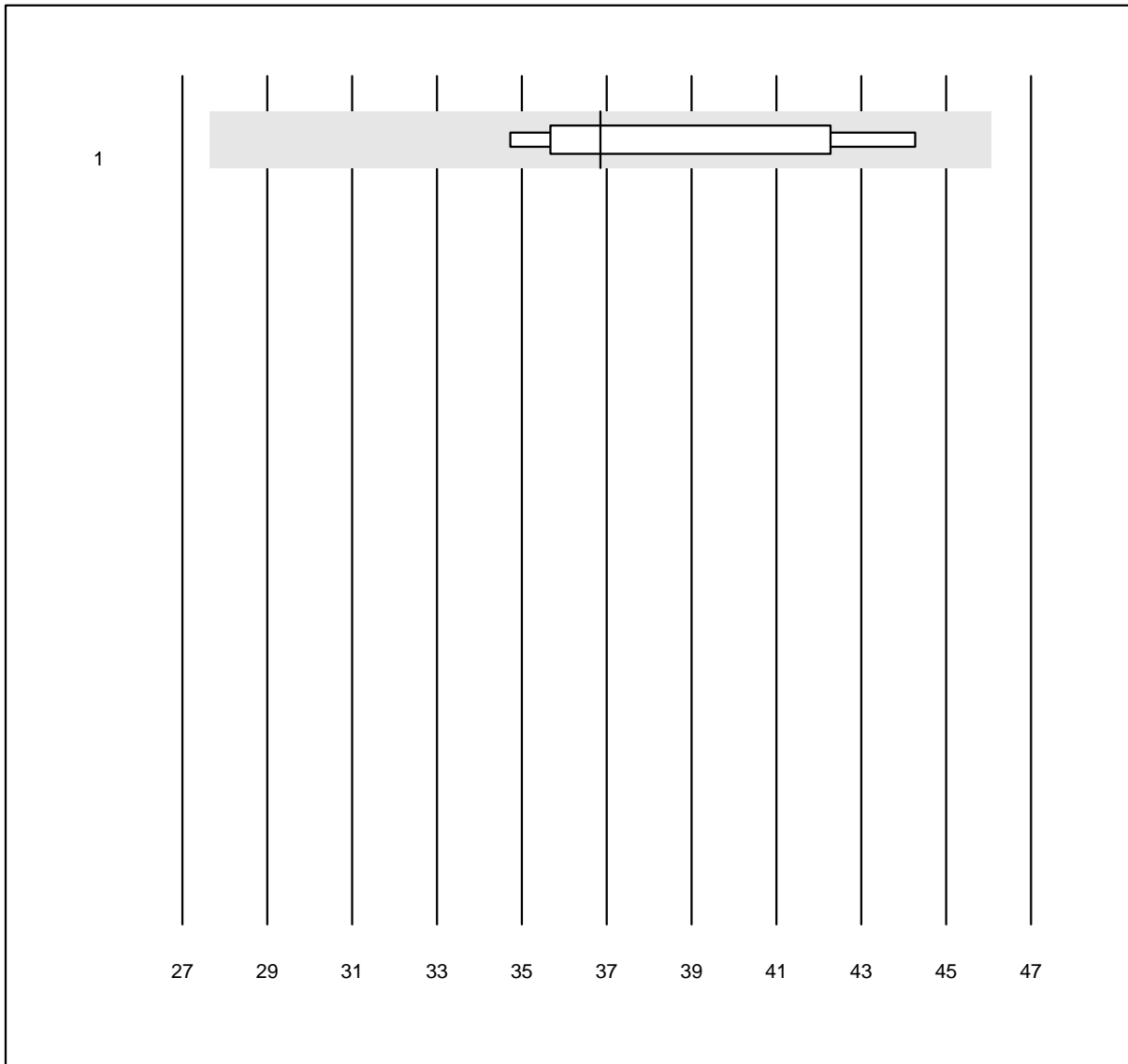
QUALAB Toleranz: 30%

Testosterone (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	13.8	9.3	e*
2 Roche	18	100.0	0.0	0.0	15.2	4.4	e
3 Siemens	5	100.0	0.0	0.0	15.3	17.0	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

free testosterone



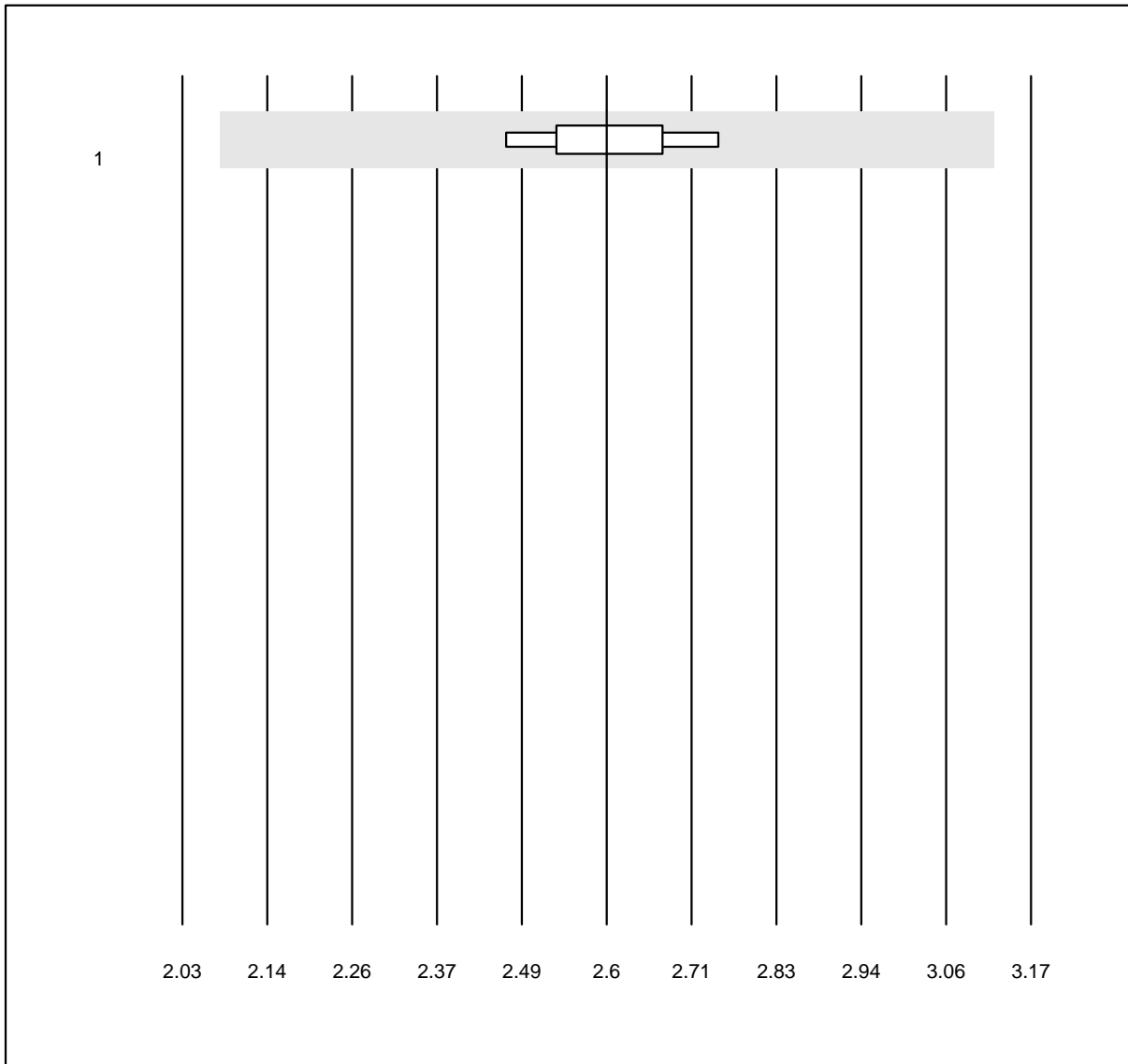
MQ Toleranz: 25%

free testosterone (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 IDS	6	100.0	0.0	0.0	36.9	9.2	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

T3



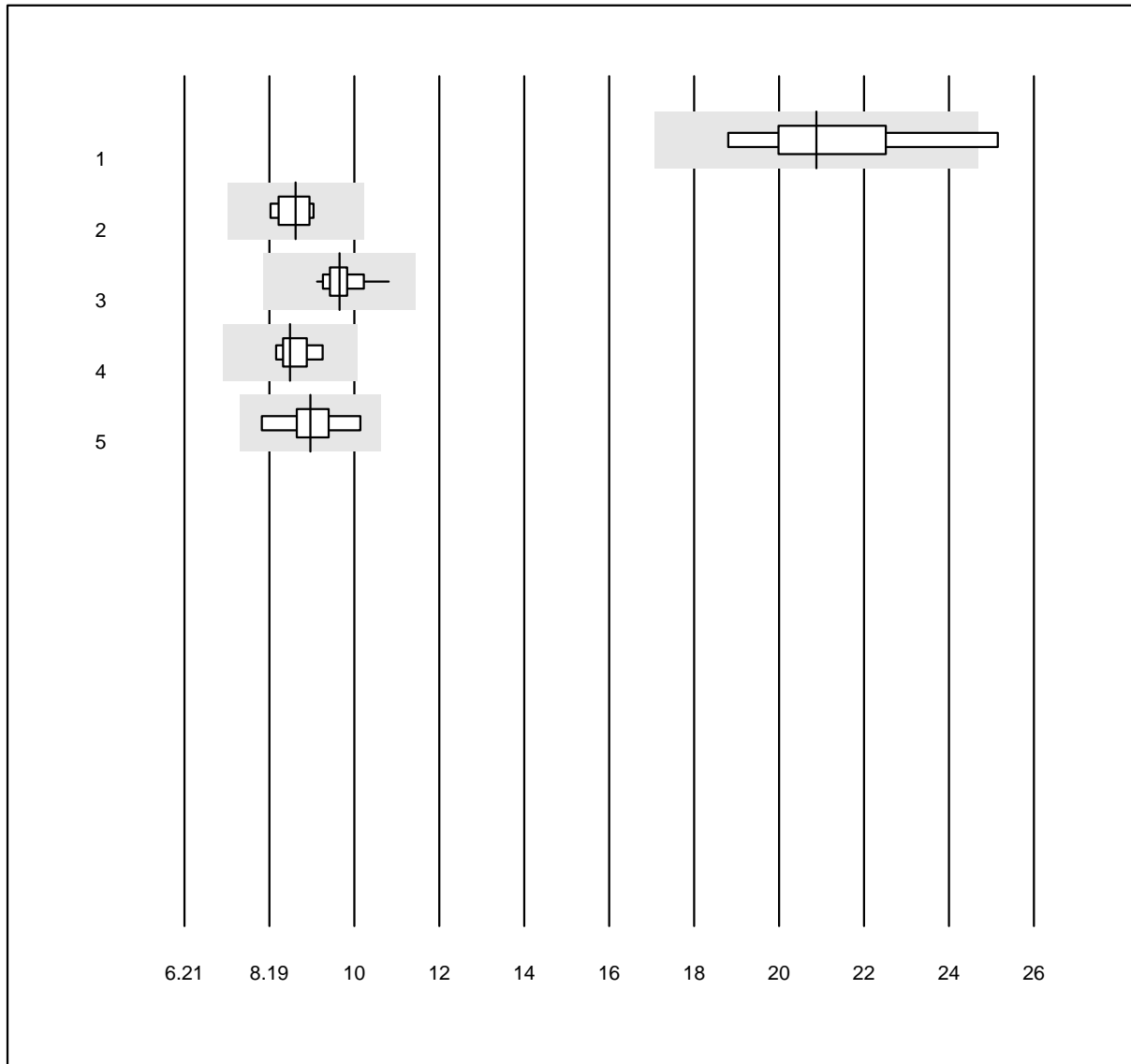
MQ Toleranz: 20%

T3 (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	2.6	3.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

FT3



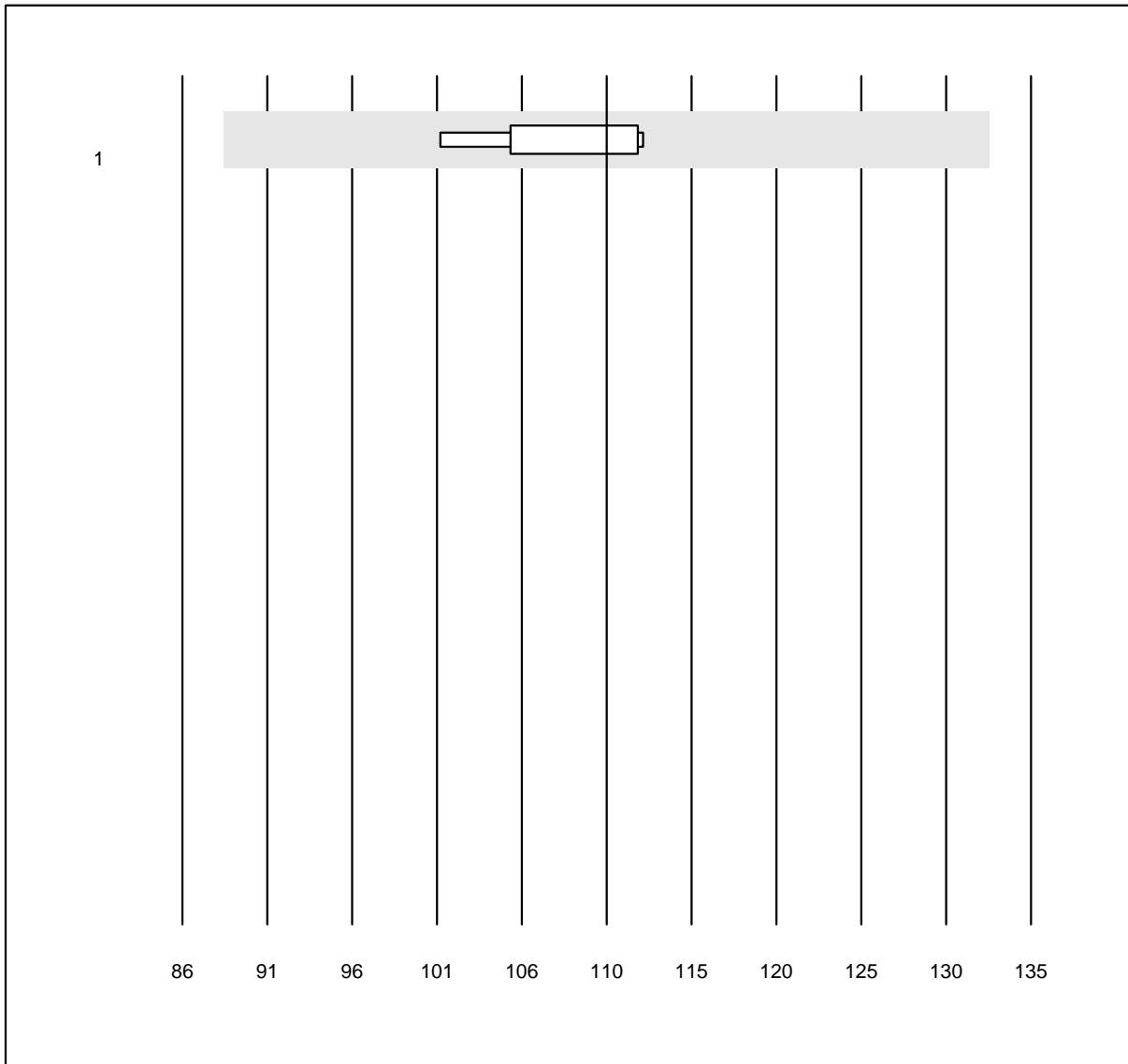
QUALAB Toleranz: 18%

FT3 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	5	100.0	0.0	0.0	20.9	7.9	e*
2 Abbott	6	100.0	0.0	0.0	8.8	4.6	e
3 Roche	30	100.0	0.0	0.0	9.8	3.6	e
4 Siemens	9	88.9	0.0	11.1	8.7	3.9	e
5 VIDAS	8	100.0	0.0	0.0	9.1	6.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

T4



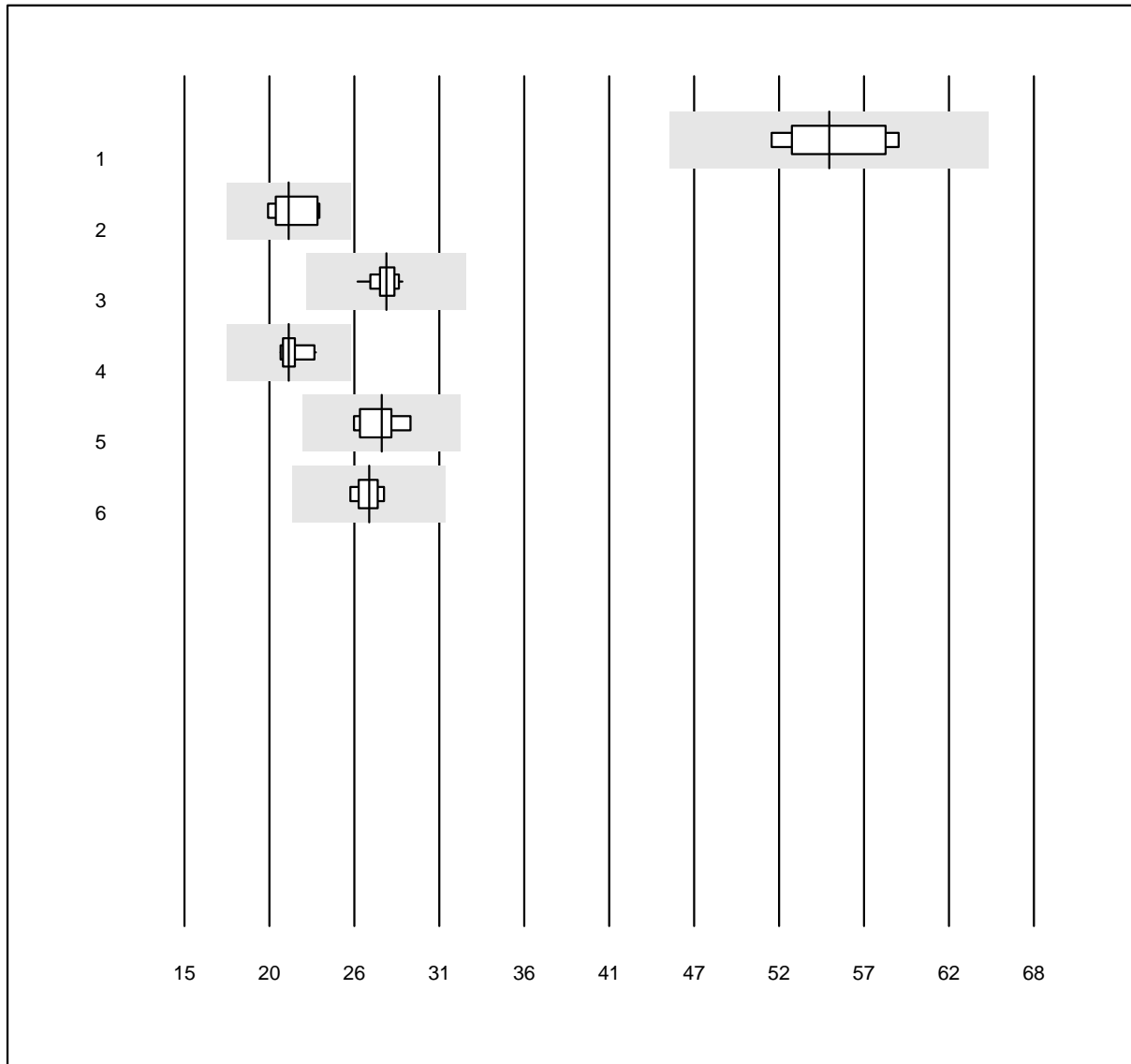
MQ Toleranz: 20%

T4 (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	111	3.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

FT4



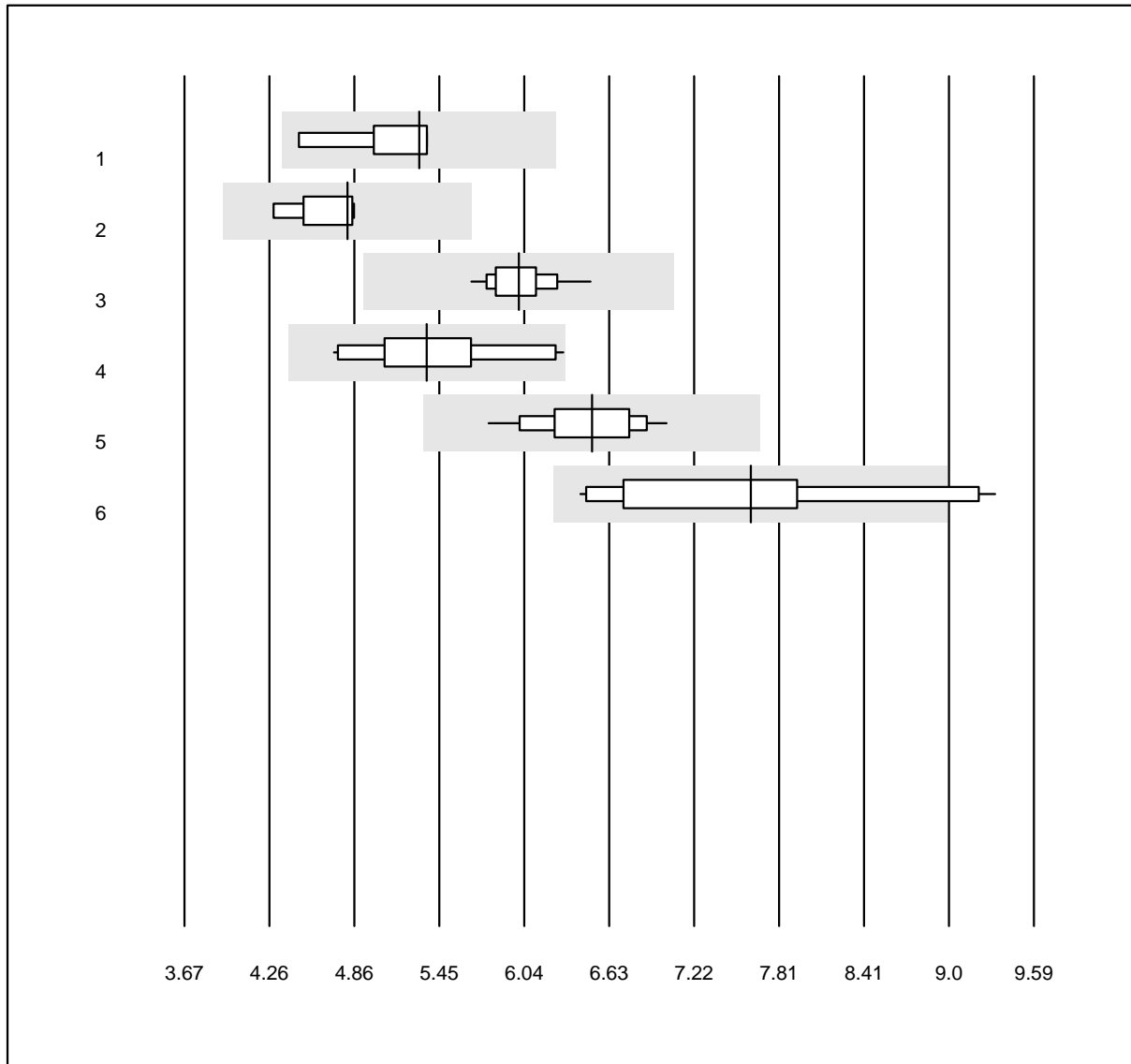
QUALAB Toleranz: 18%

FT4 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	5	100.0	0.0	0.0	55.2	5.6	e*
2 Abbott	7	100.0	0.0	0.0	21.5	5.7	e
3 Roche	31	100.0	0.0	0.0	27.6	2.4	e
4 Siemens	10	100.0	0.0	0.0	21.5	3.2	e
5 VIDAS	8	100.0	0.0	0.0	27.3	4.3	e
6 Other methods	4	100.0	0.0	0.0	26.5	2.3	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

TSH



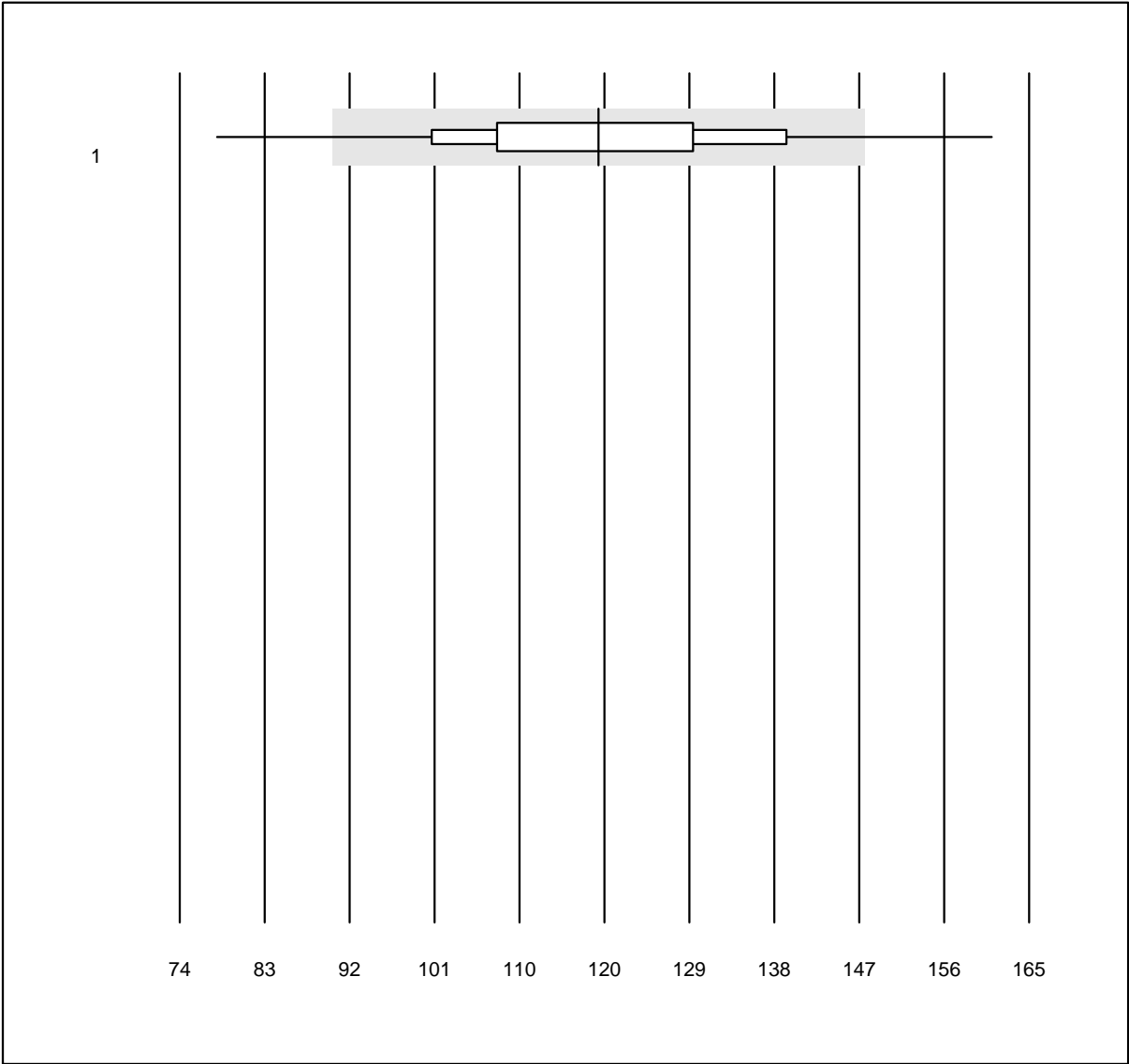
QUALAB Toleranz: 18%

TSH (mU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	5	100.0	0.0	0.0	5.31	5.4	e*
2 Abbott	7	100.0	0.0	0.0	4.81	4.4	e
3 Roche	36	97.2	0.0	2.8	6.00	3.1	e
4 Siemens	10	100.0	0.0	0.0	5.36	8.3	e*
5 VIDAS	15	100.0	0.0	0.0	6.51	4.9	e
6 AFIAS	12	83.3	8.3	8.3	7.62	12.2	e*

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Troponin T CR

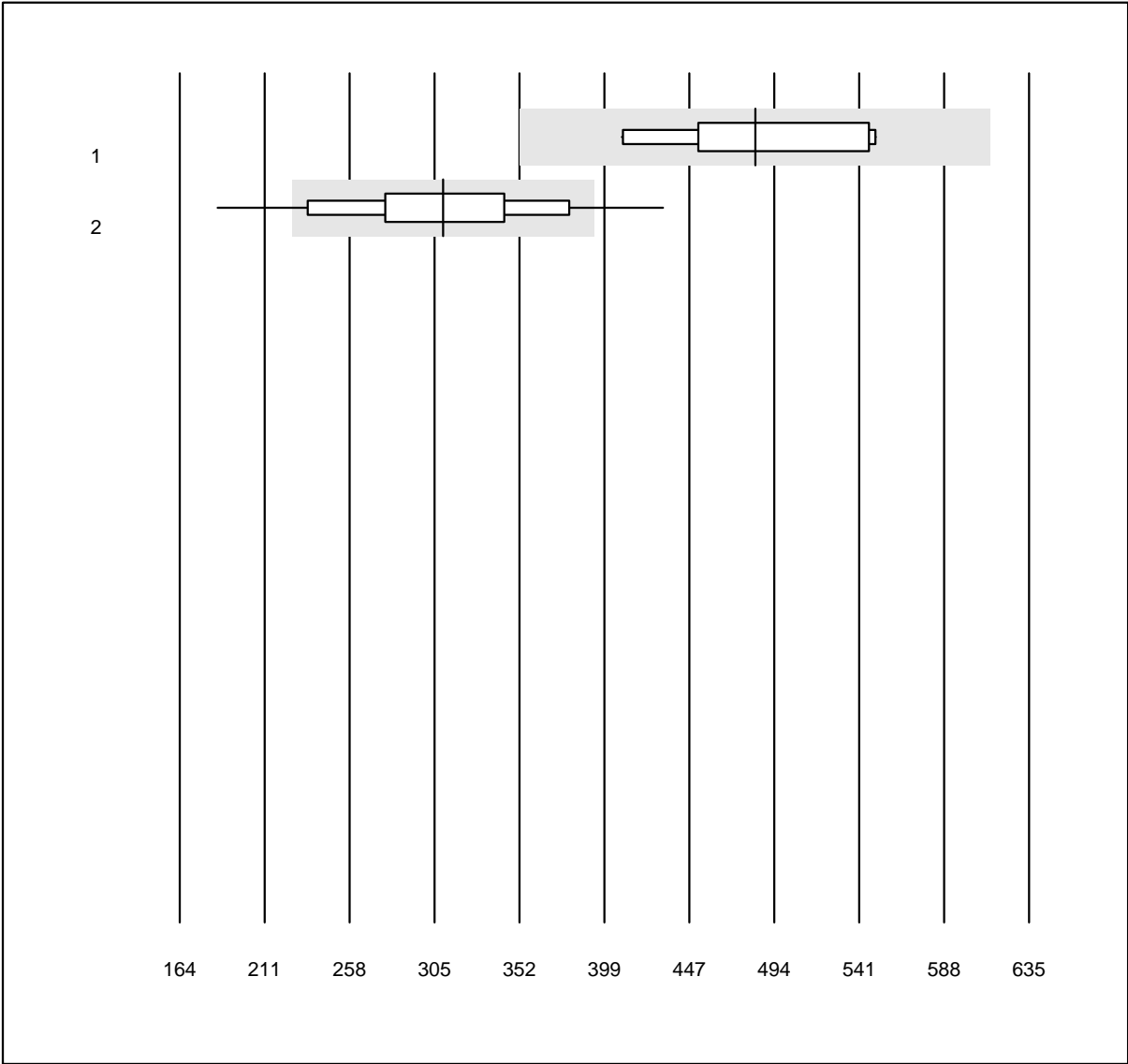


MQ Toleranz: 24%

Troponin T CR (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas h 232	246	94.7	3.3	2.0	118.87	12.4	e

NT-proBNP CR

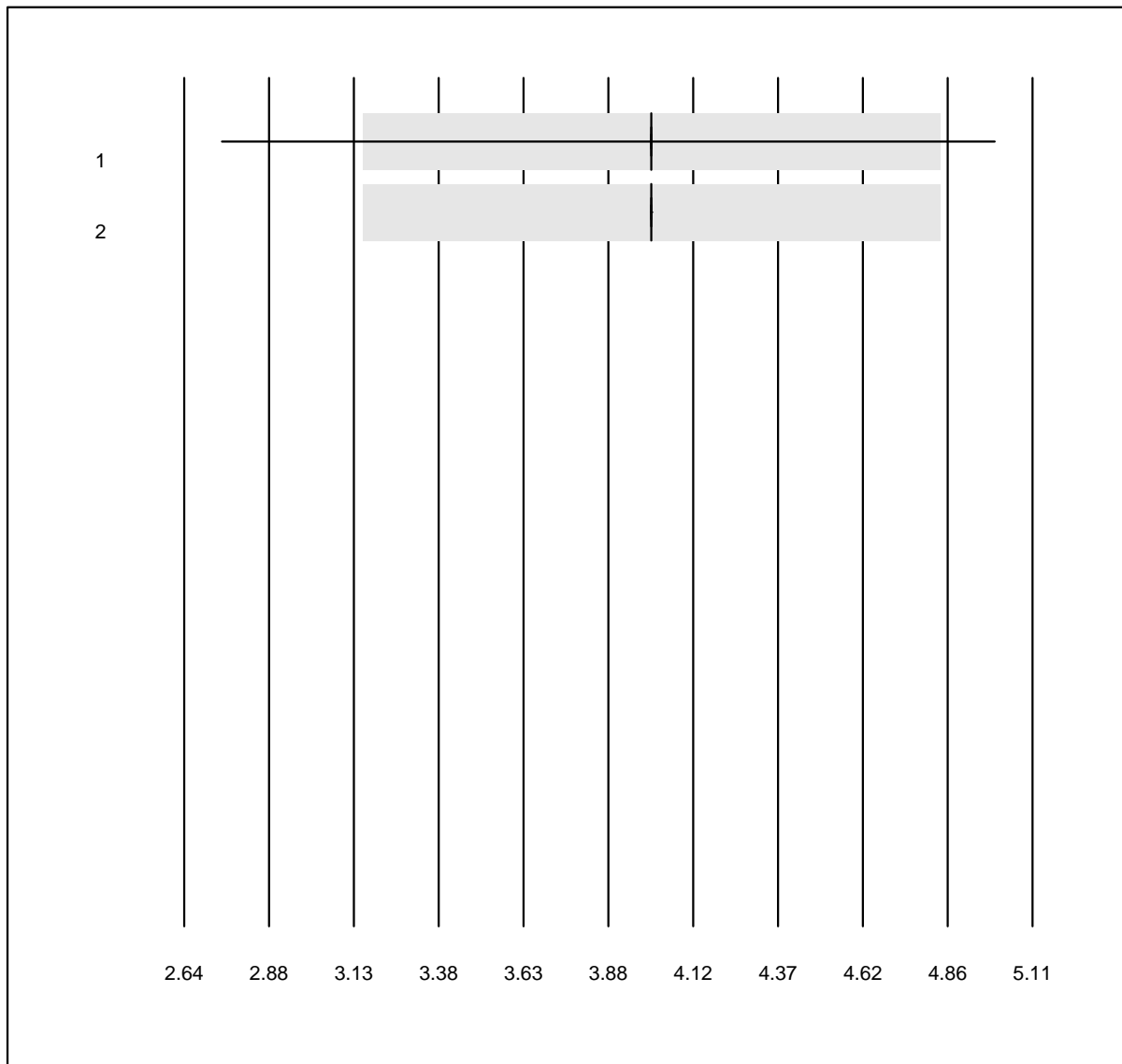


QUALAB Toleranz: 27%

NT-proBNP CR (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Lumira Dx	10	100.0	0.0	0.0	483	10.5	e*
2 Cobas h 232	265	84.5	11.3	4.2	310	16.6	e

D-dimer CR

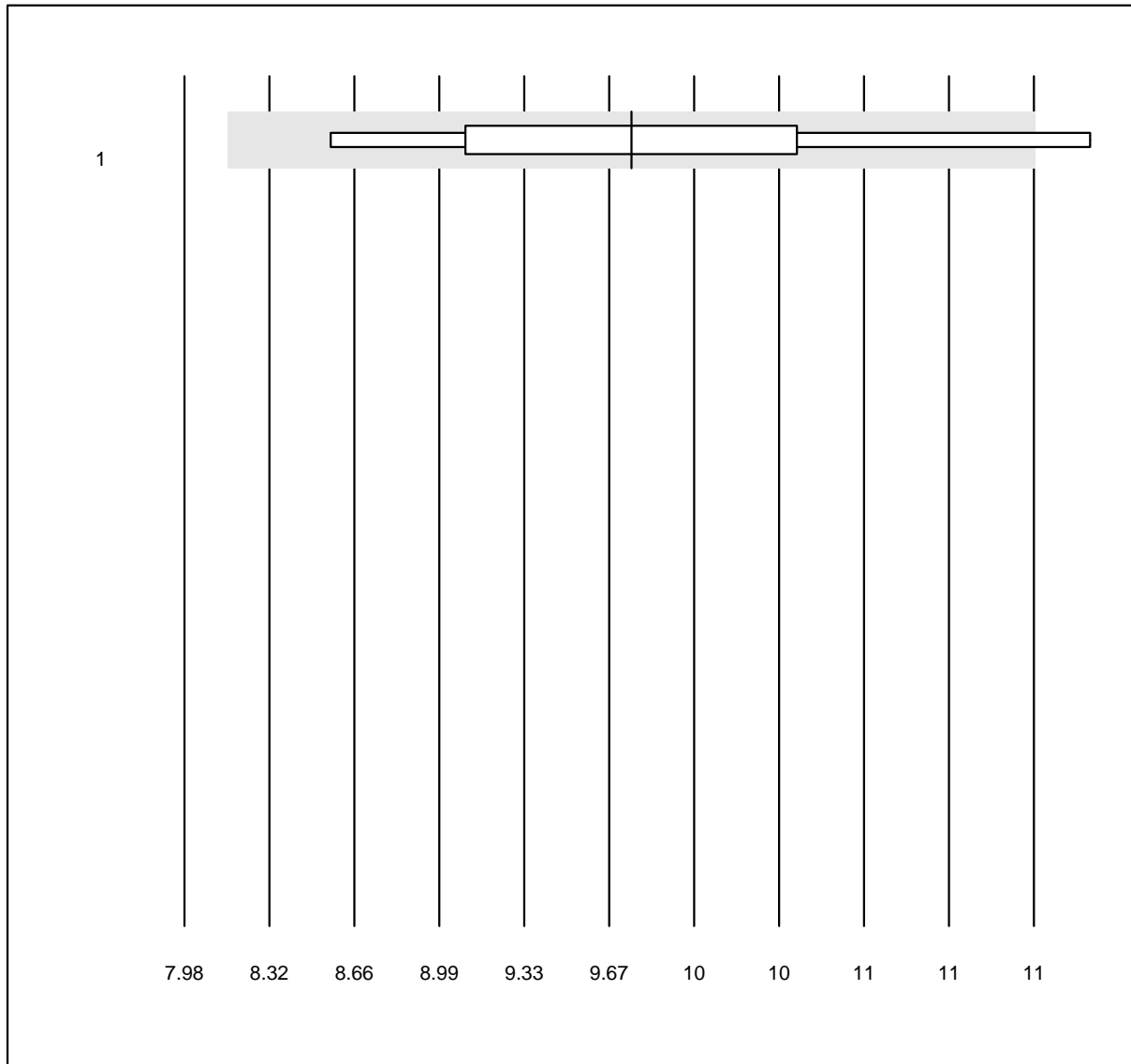


QUALAB Toleranz: 21%

D-dimer CR (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas h 232	524	96.6	1.1	2.3	4.00	3.6	e
2 Lumira Dx	12	100.0	0.0	0.0	4.00	0.0	e

PO2 CCA

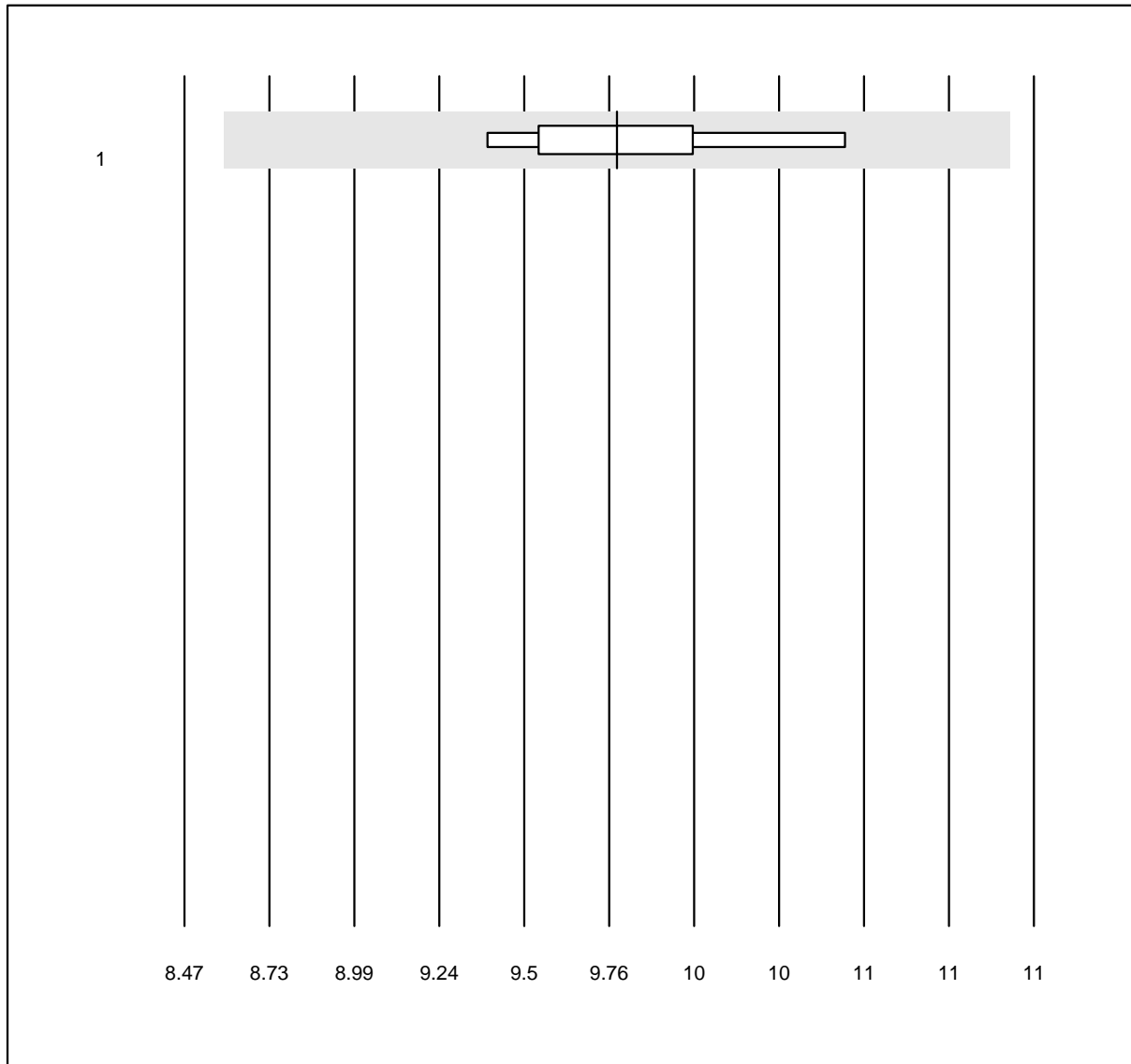


QUALAB Toleranz: 15%

PO2 CCA (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	9	88.9	11.1	0.0	9.57	8.5	e*

PCO2 CCA

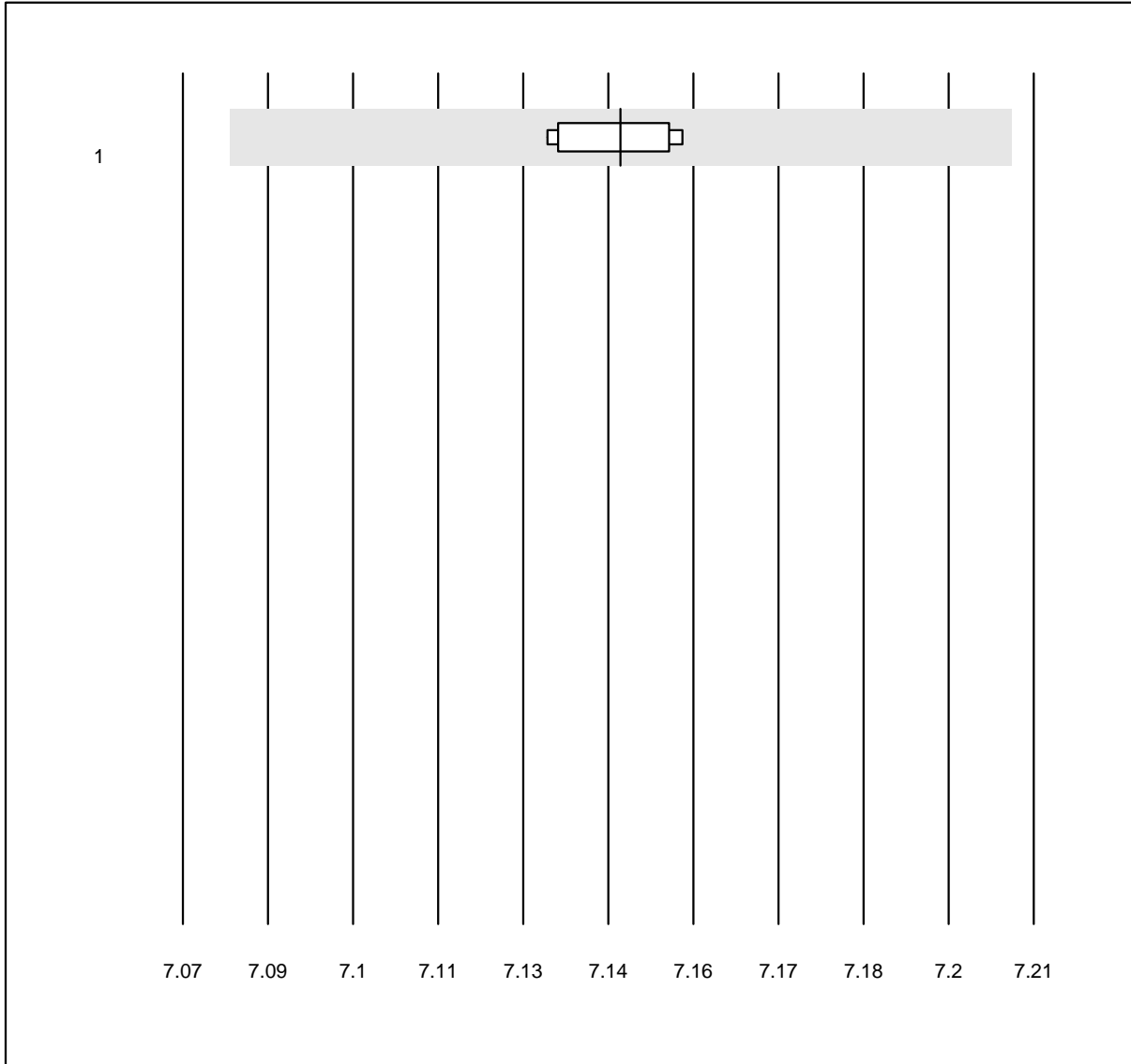


QUALAB Toleranz: 12%

PCO2 CCA (kPa)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	9	88.9	0.0	11.1	9.76	3.4	e

pH CCA



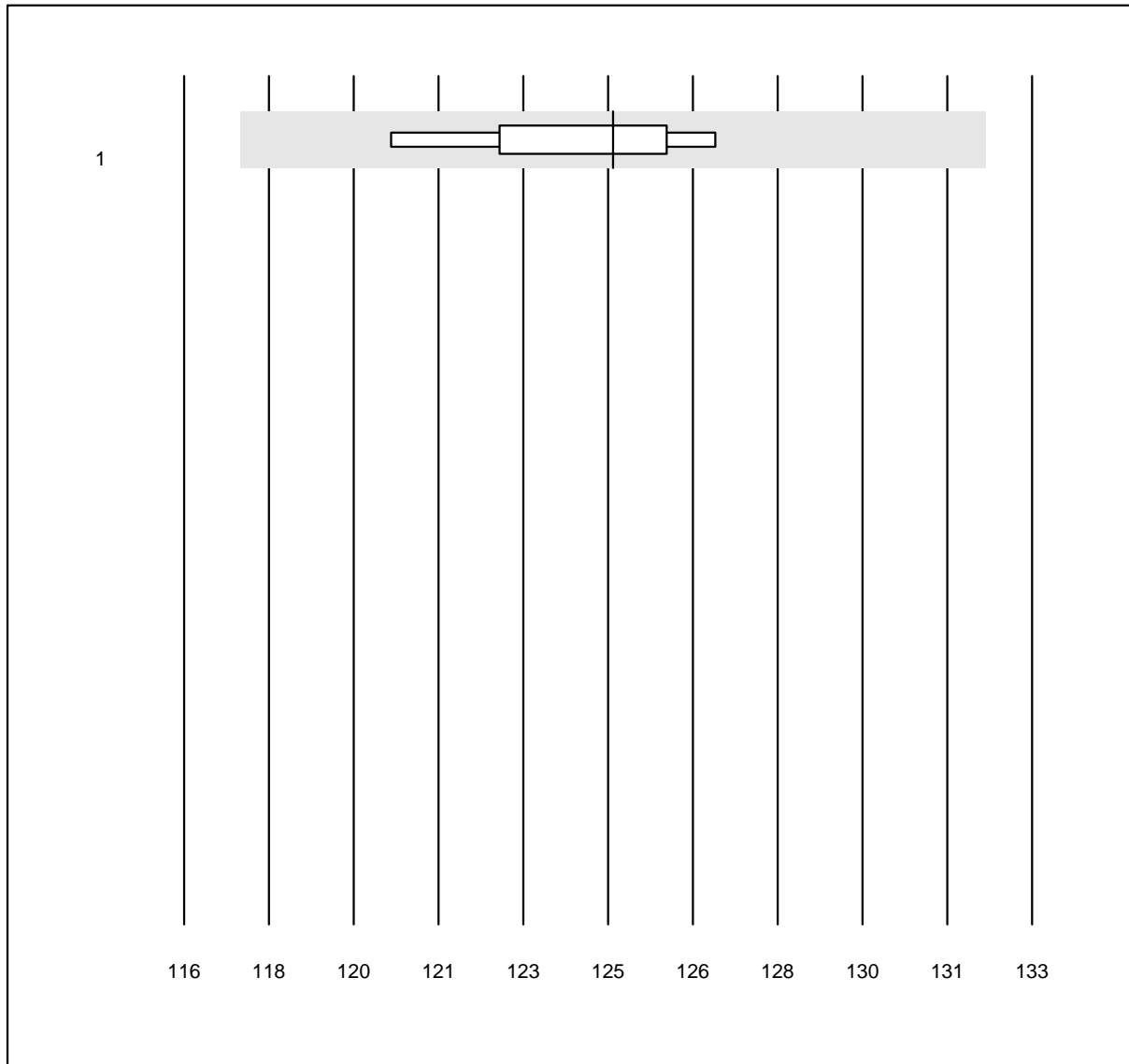
QUALAB Toleranz: 0%

pH CCA ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	8	100.0	0.0	0.0	7.14	0.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Sodium CCA

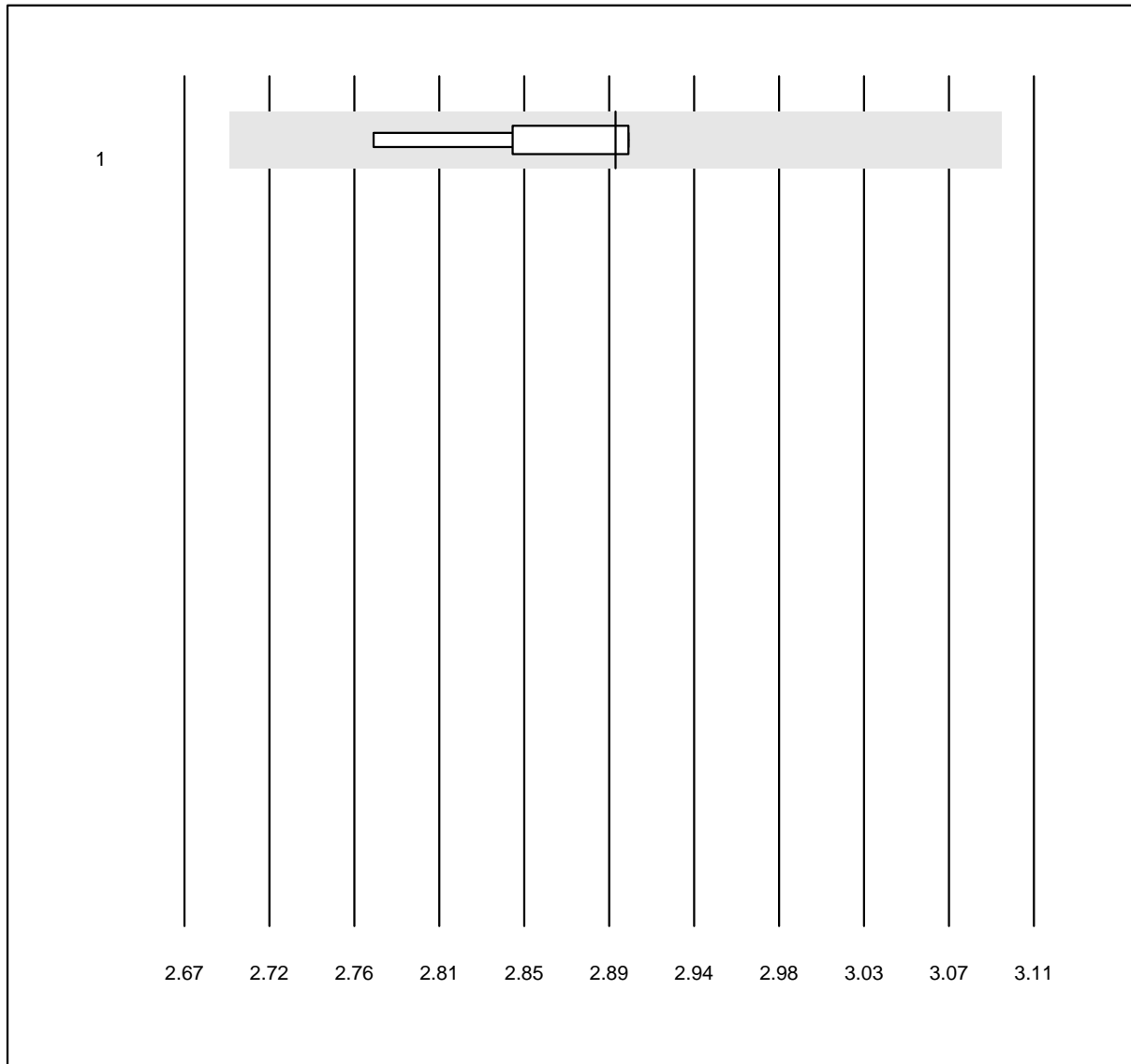


QUALAB Toleranz: 6%

Sodium CCA (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	4	100.0	0.0	0.0	124.6	1.5	e*

Potassium CCA

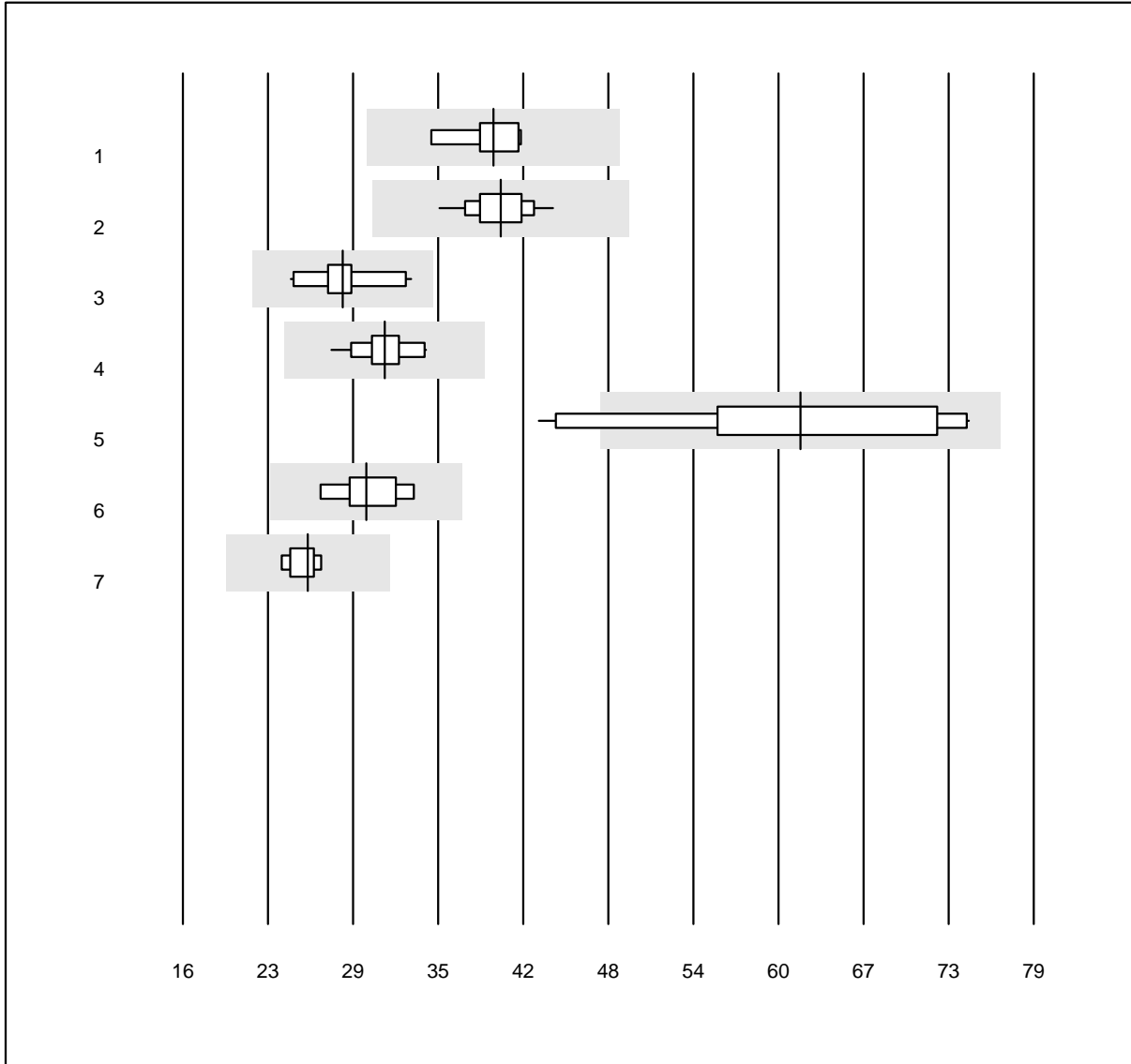


QUALAB Toleranz: 6%
(< 3.3: +/- 0.2 mmol/l)

Potassium CCA (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OPTI CCA	5	100.0	0.0	0.0	2.9	1.5	e

Ferritin



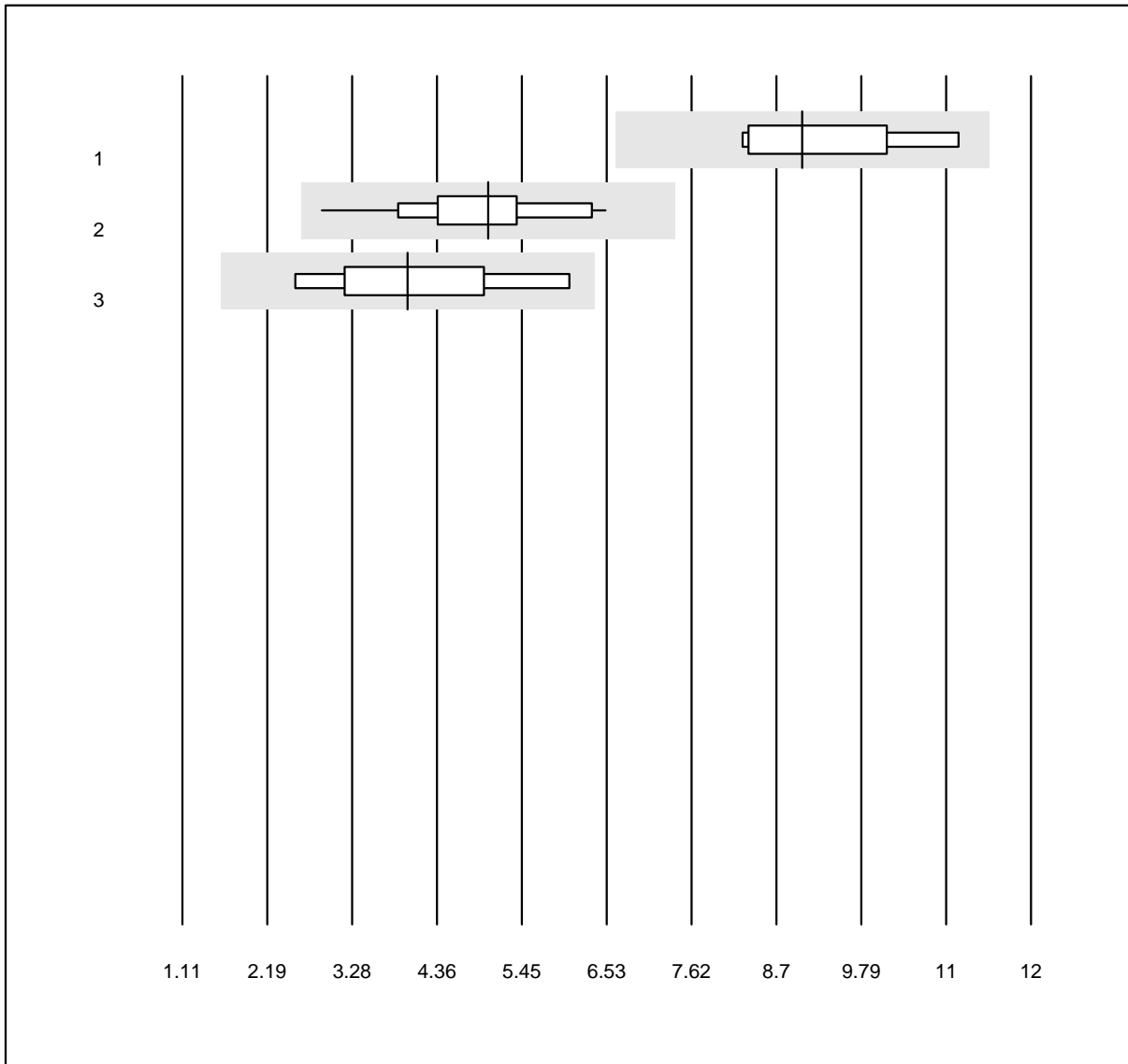
QUALAB Toleranz: 24%

Ferritin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	39.00	5.4	e
2 Roche	38	100.0	0.0	0.0	39.54	5.1	e
3 Siemens	10	100.0	0.0	0.0	27.84	8.1	e
4 AFIAS	20	100.0	0.0	0.0	30.95	5.8	e
5 RapidReader Cube Reader	11	81.8	9.1	9.1	61.73	15.7	e*
6 Mini Vidas	8	100.0	0.0	0.0	29.59	7.4	e
7 Other methods	6	83.3	0.0	16.7	25.25	3.8	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Folate



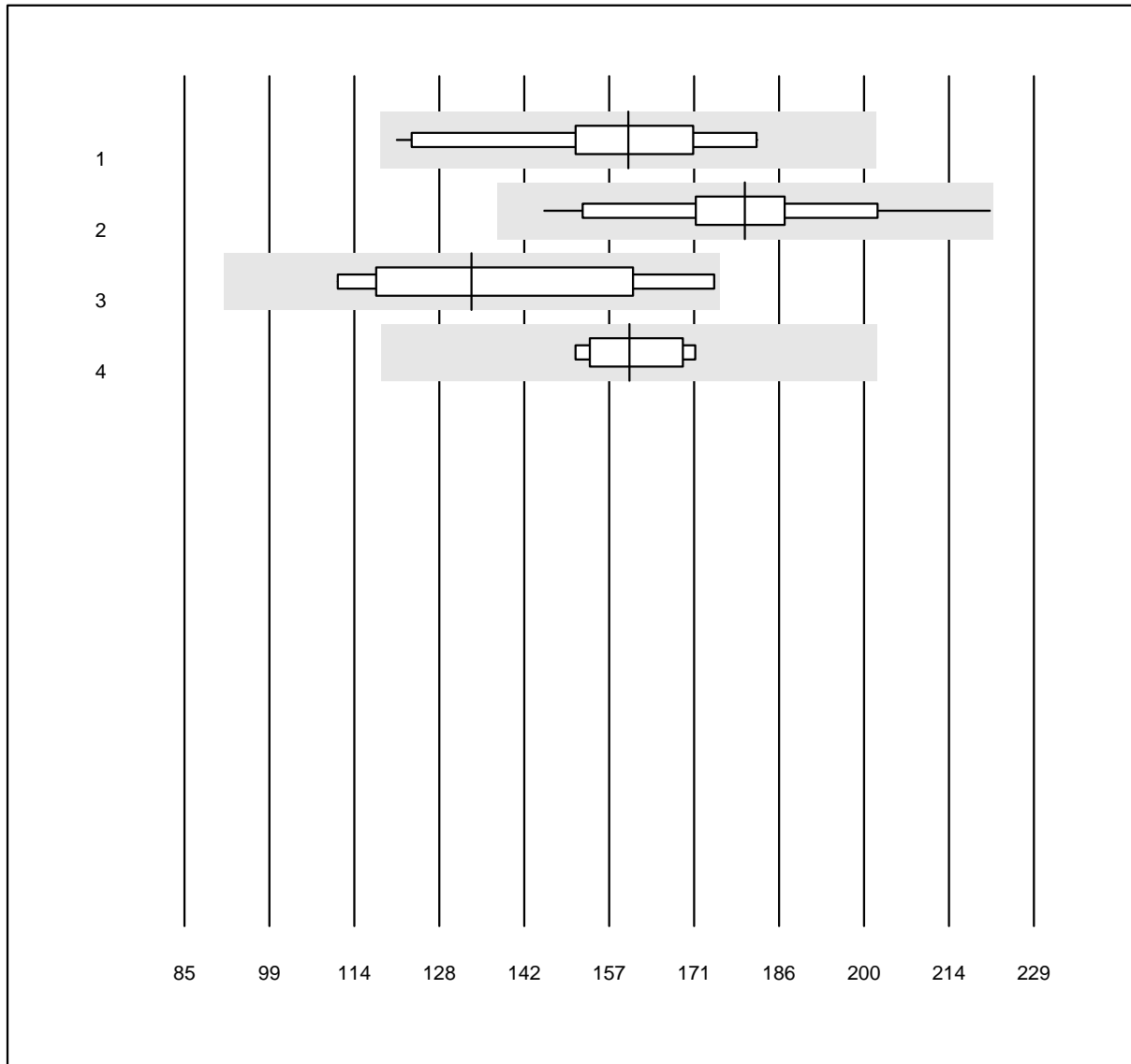
QUALAB Toleranz: 24%
(< 10.0: +/- 2.4 nmol/l)

Folate (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	9.06	10.8	e*
2 Roche	24	100.0	0.0	0.0	5.03	18.1	e
3 Siemens	8	100.0	0.0	0.0	4.00	26.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Vitamin B12



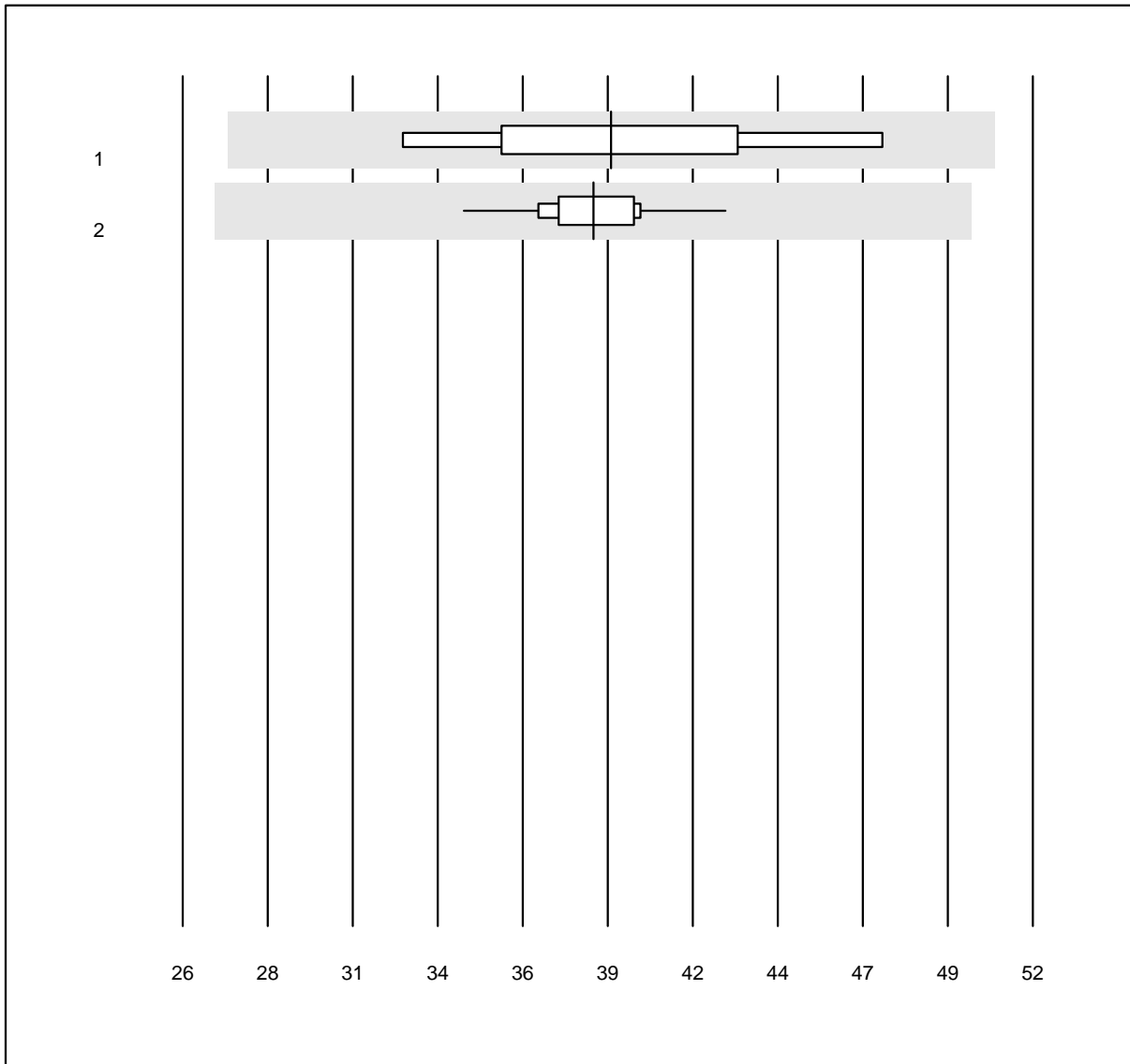
QUALAB Toleranz: 21%
(< 200.0: +/- 42.0 pmol/l)

Vitamin B12 (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	10	100.0	0.0	0.0	160.25	11.2	e*
2 Roche	24	100.0	0.0	0.0	180.00	9.4	a
3 Siemens	9	100.0	0.0	0.0	133.67	17.5	e*
4 Other methods	6	100.0	0.0	0.0	160.43	4.7	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Holotranscobalamine



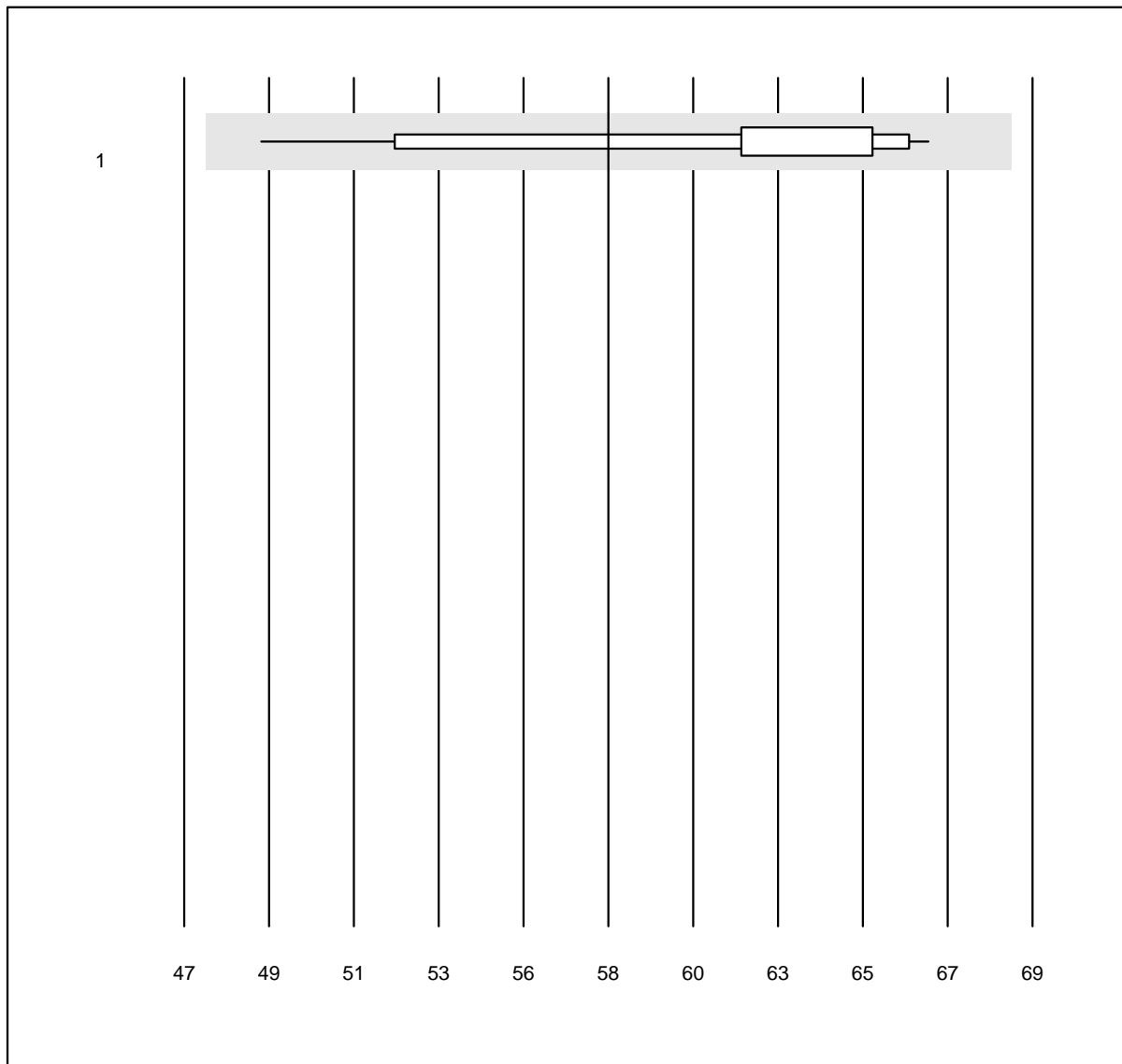
QUALAB Toleranz: 30%

Holotranscobalamine (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	39.1	11.6	e*
2 Cobas	46	100.0	0.0	0.0	38.6	3.8	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin direct



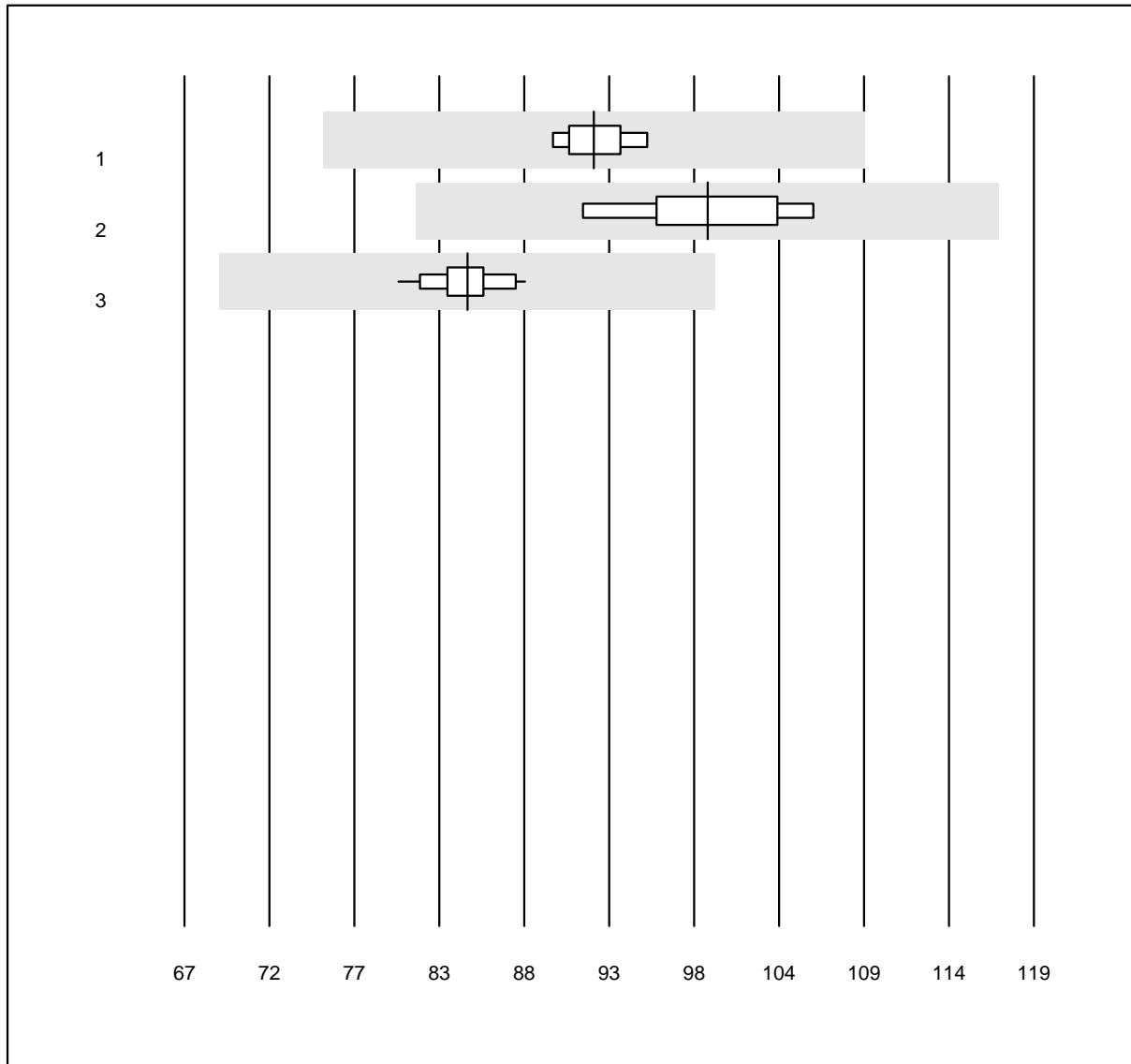
QUALAB Toleranz: 18%

Bilirubin direct (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	21	100.0	0.0	0.0	58	7.2	a

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Bilirubin total Neo

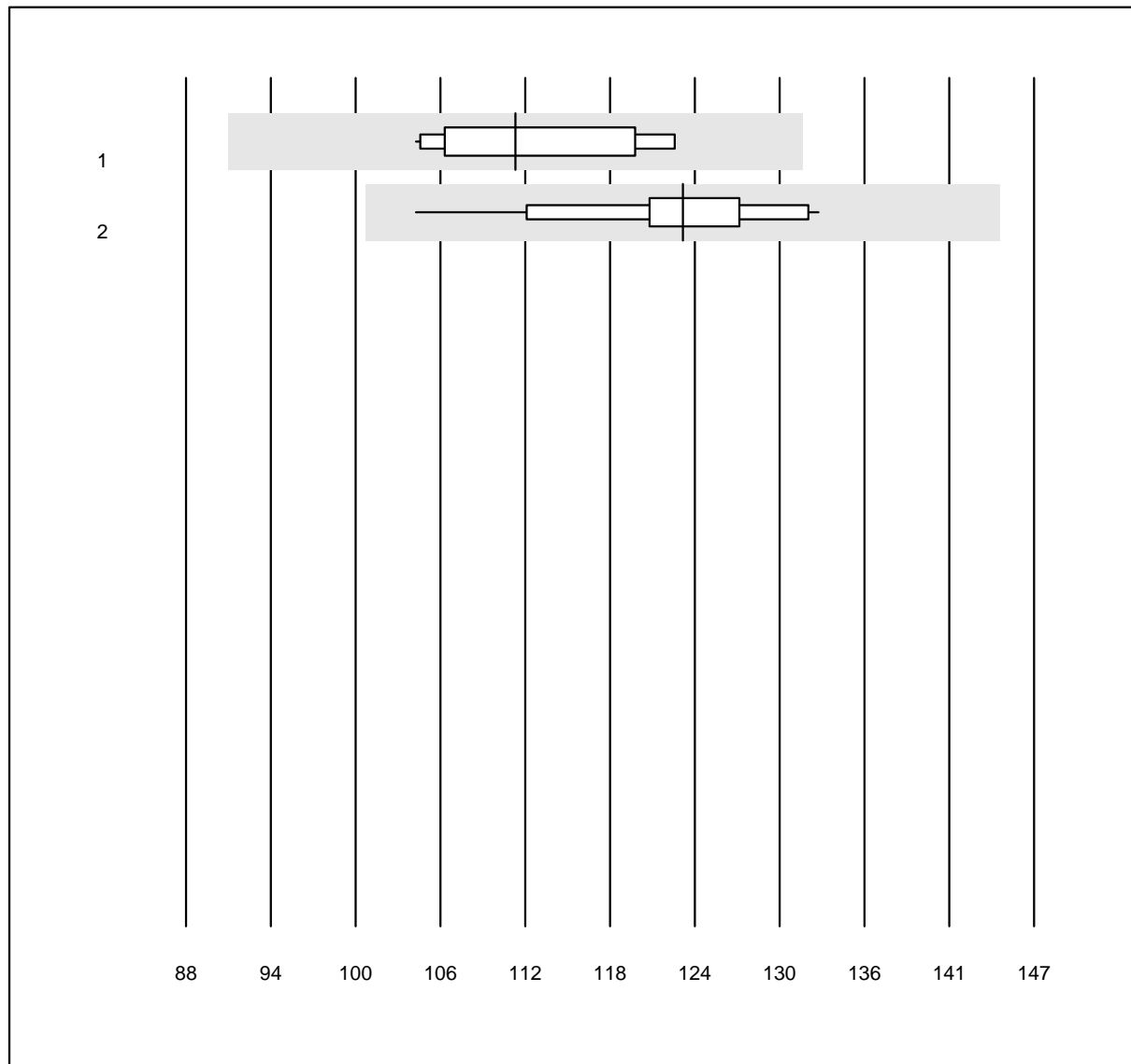


QUALAB Toleranz: 18%

Bilirubin total Neo (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	92	1.9	e
2 Siemens	9	100.0	0.0	0.0	99	4.6	e
3 Roche	15	100.0	0.0	0.0	84	2.3	e

Bilirubin neonatal



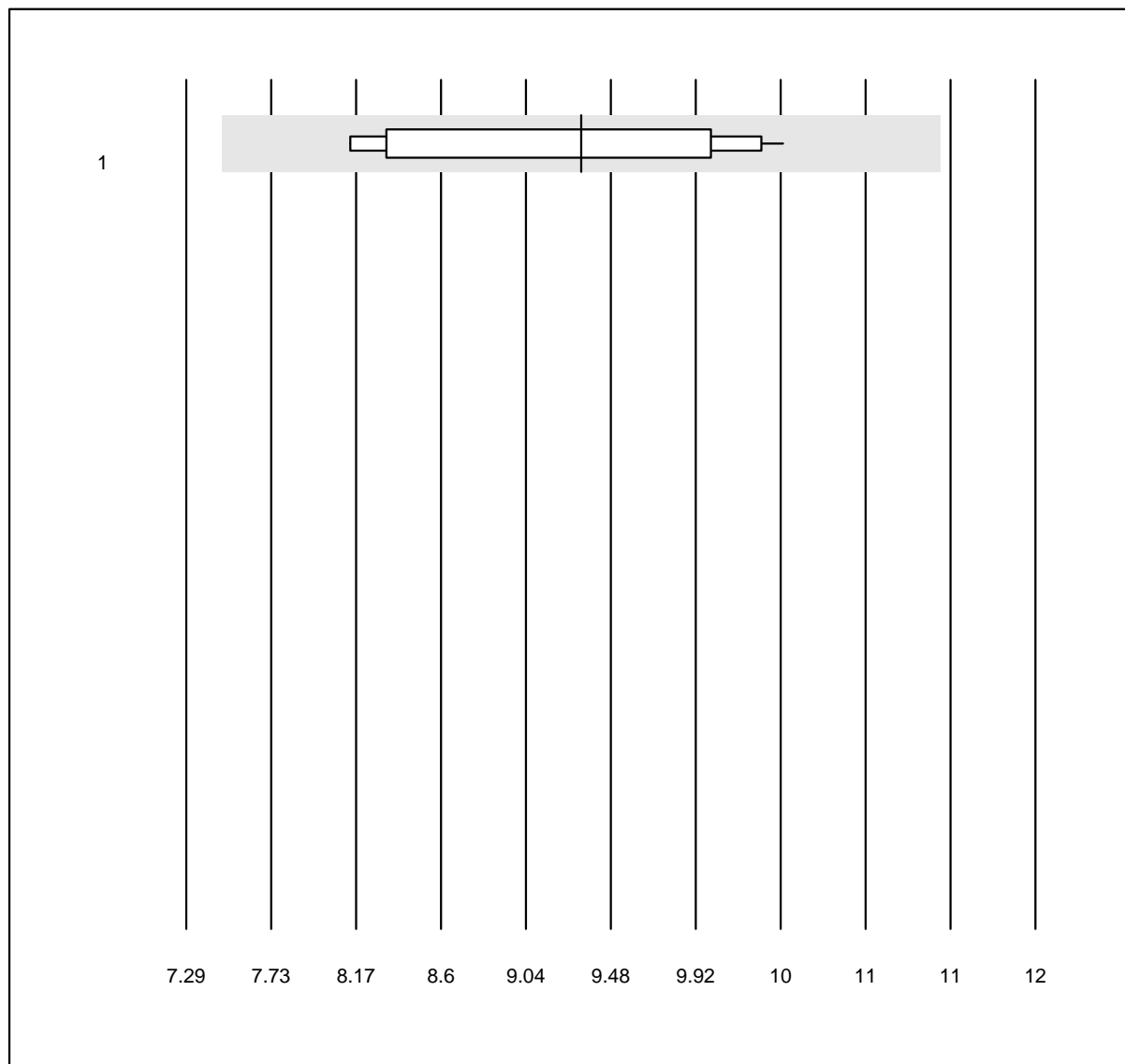
QUALAB Toleranz: 18%

Bilirubin neonatal (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ABL700/800	12	100.0	0.0	0.0	111	6.4	e
2 Other methods	16	100.0	0.0	0.0	123	5.6	e

K14 Tumor Markers

AFP



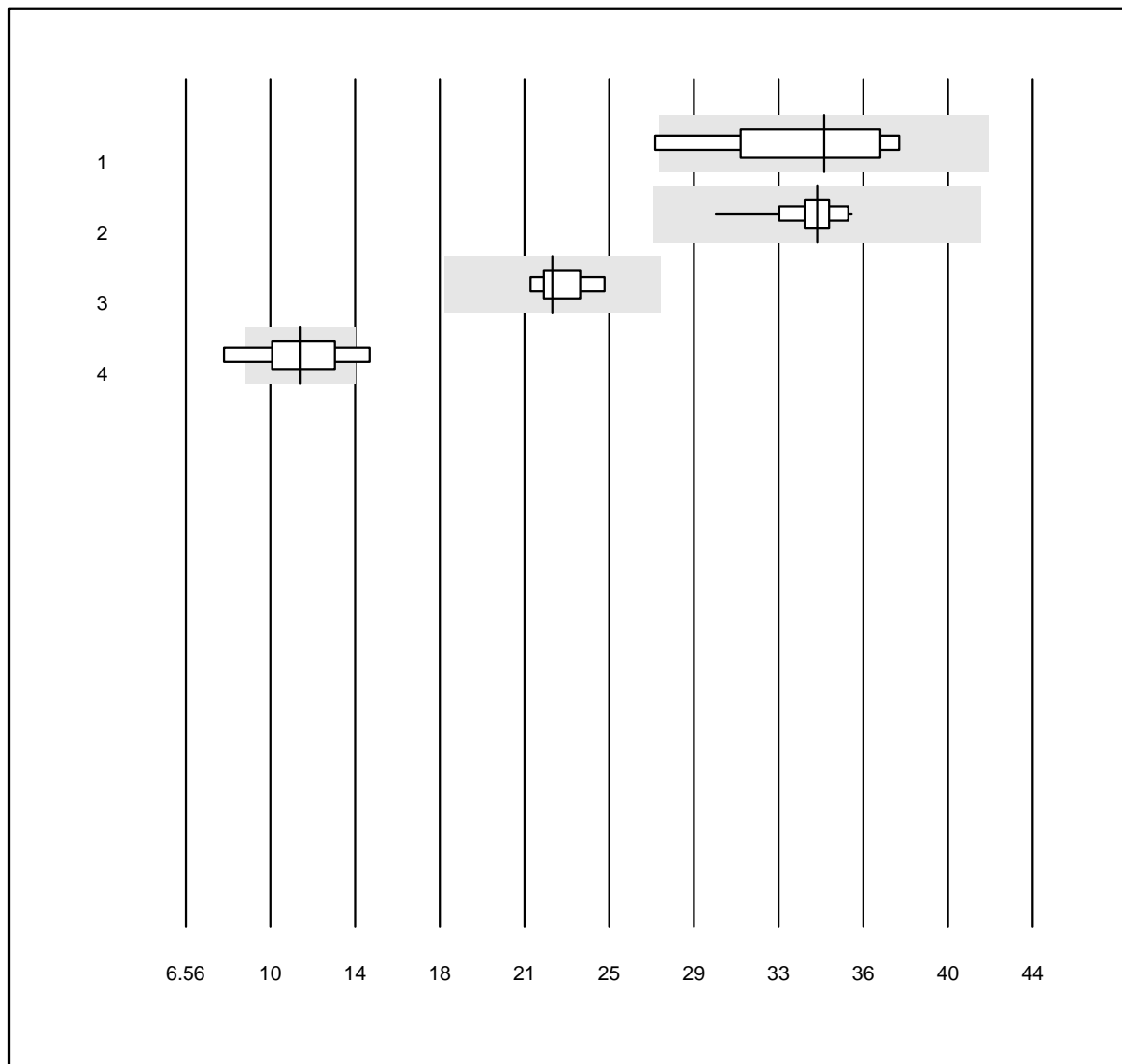
QUALAB Toleranz: 21%

AFP (µg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	15	100.0	0.0	0.0	9.5	9.2	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

HCG qn



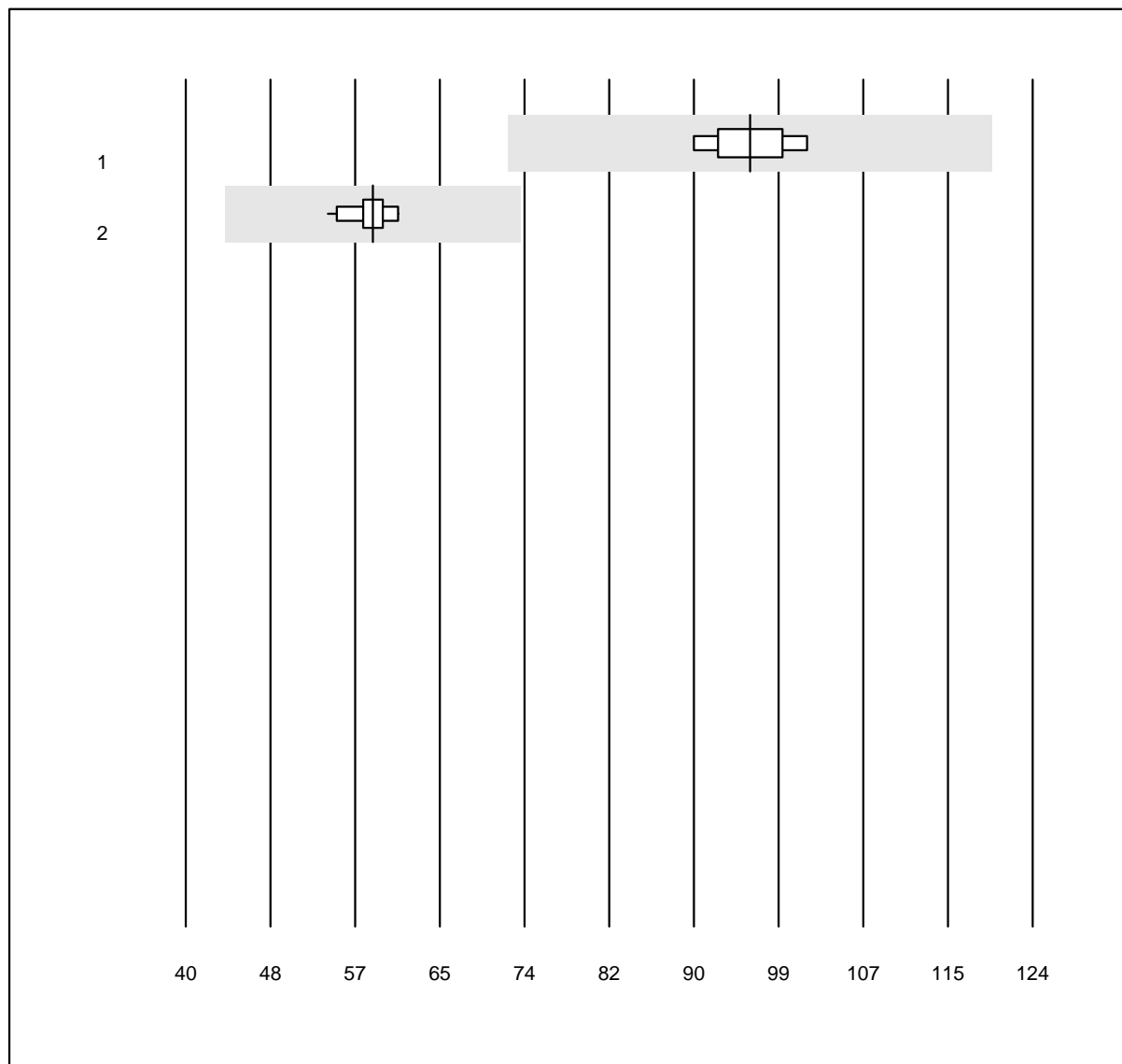
QUALAB Toleranz: 21%

HCG qn (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	34.8	10.2	e*
2 Roche	24	100.0	0.0	0.0	34.5	3.7	e
3 Siemens	7	100.0	0.0	0.0	22.8	4.5	e
4 VIDAS	5	100.0	0.0	0.0	11.6	14.6	d*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

CA 125



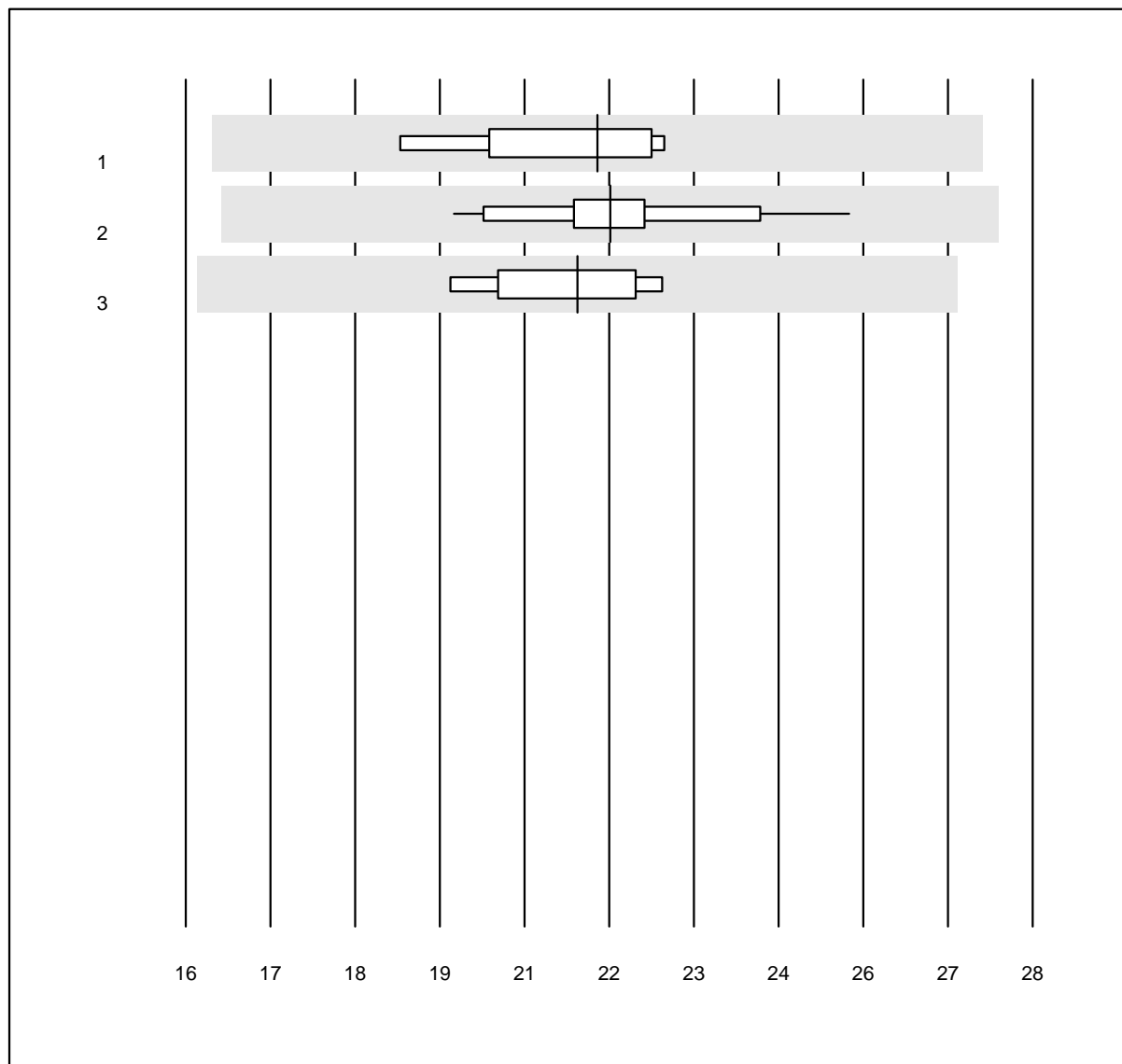
MQ Toleranz: 25%

CA 125 (kIU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	96.0	3.5	e
2 Roche	13	100.0	0.0	0.0	58.6	3.2	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

CA 15-3



MQ Toleranz: 25%

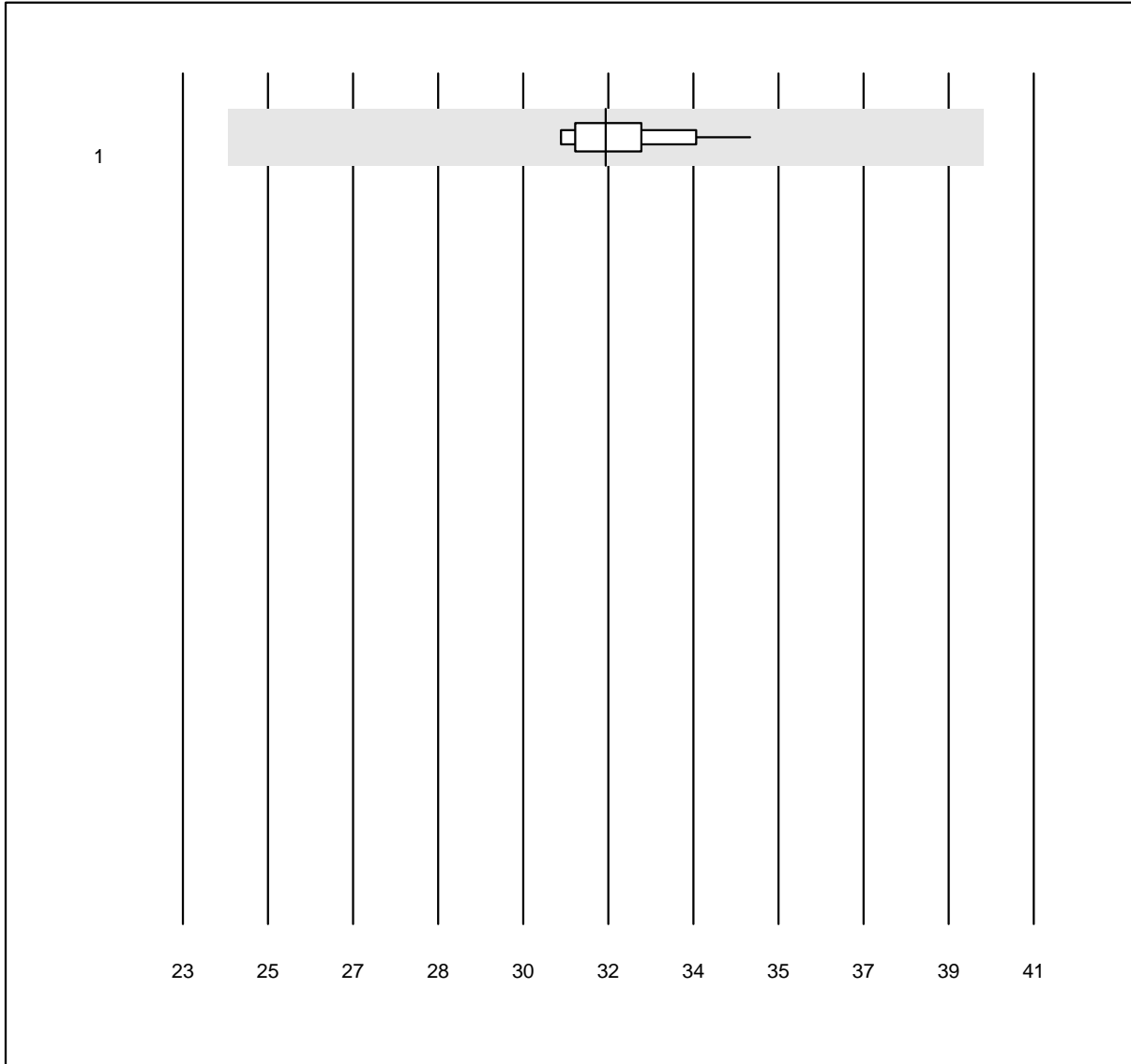
CA 15-3 (kIU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	21.8	5.9	e
2 Roche	15	100.0	0.0	0.0	22.0	5.8	e
3 Siemens	4	100.0	0.0	0.0	21.6	4.7	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

K14 Tumor Markers

CA 19-9



MQ Toleranz: 25%

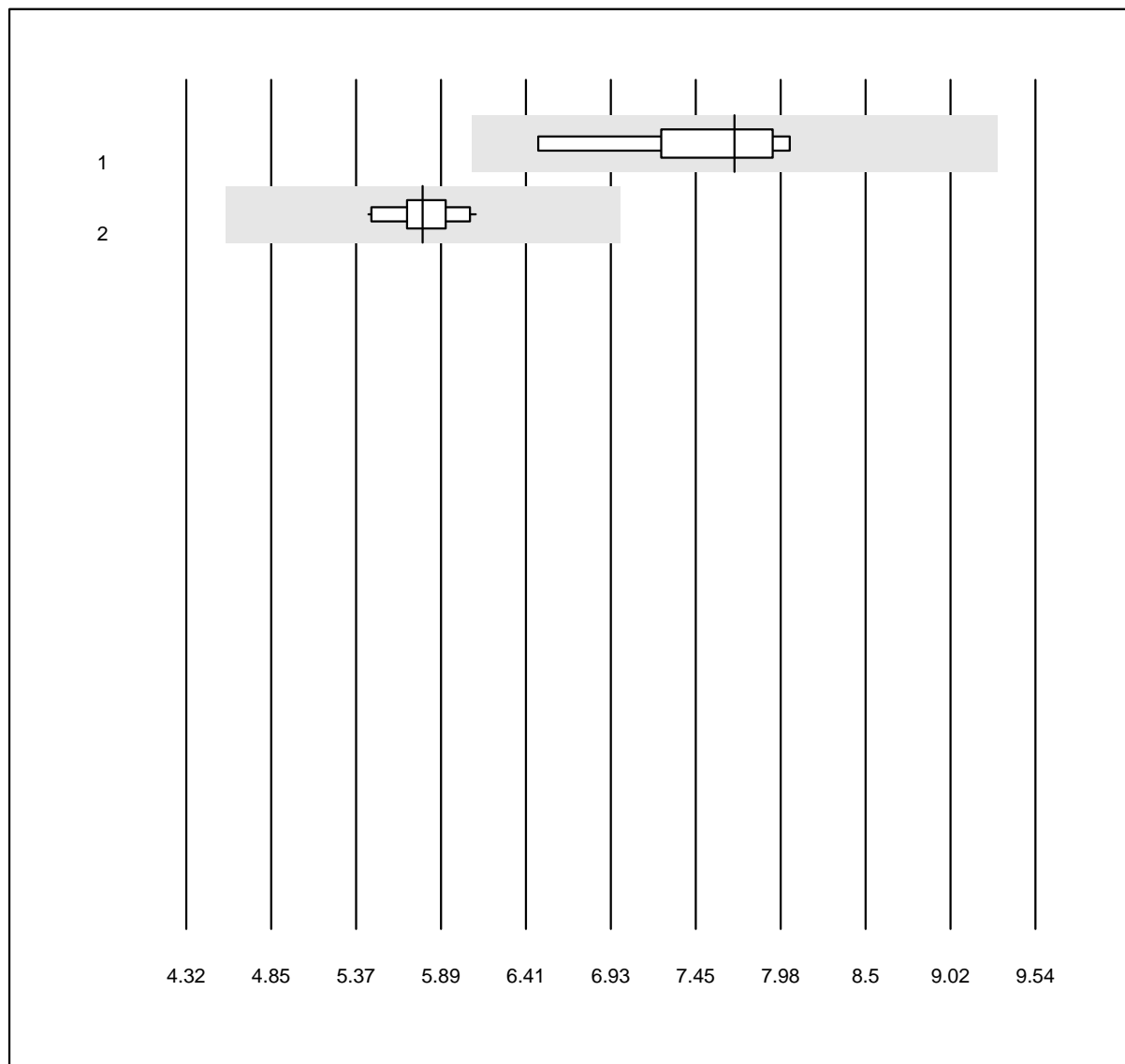
CA 19-9 (kIU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	31.9	3.4	e

5 additional results were submitted but not published because the method groups were too small. (< results per group)

K14 Tumor Markers

CEA



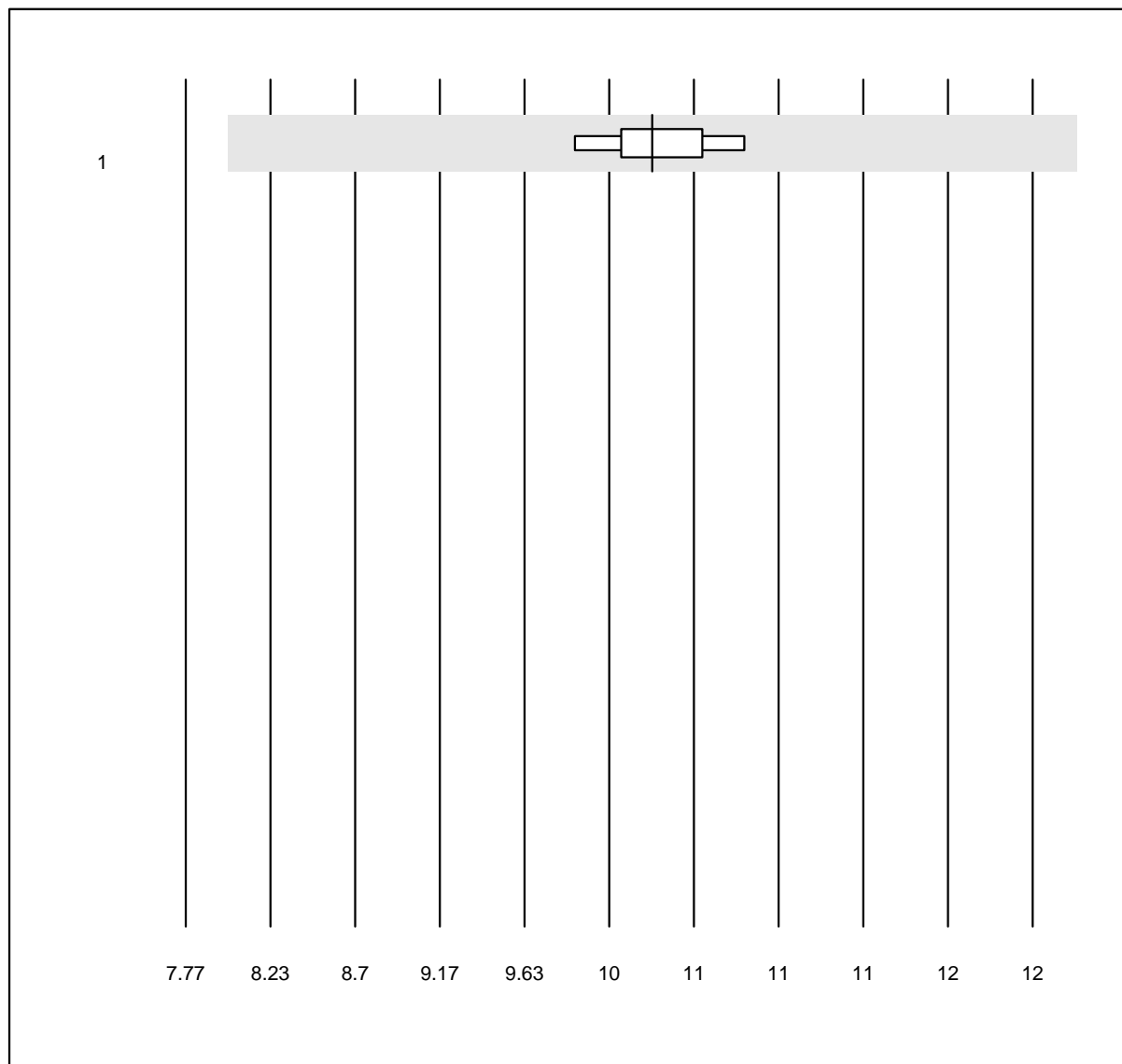
QUALAB Toleranz: 21%

CEA (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	7.7	6.2	e*
2 Roche	18	100.0	0.0	0.0	5.8	3.4	e

4 additional results were submitted but not published because the method groups were too small. (< results per group)

HCG intact



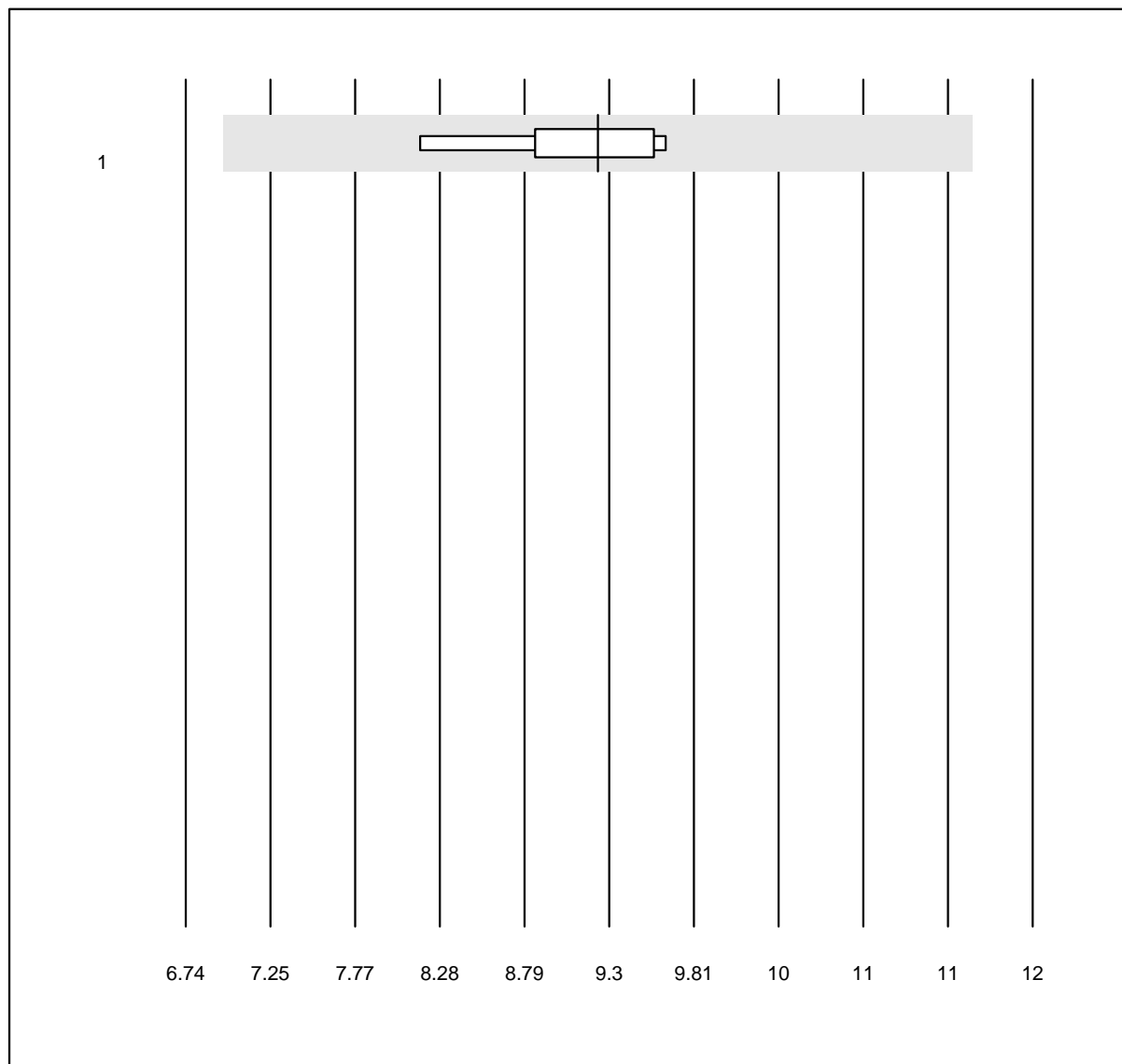
QUALAB Toleranz: 21%

HCG intact (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas	6	100.0	0.0	0.0	10.1	2.5	e

K14 Tumor Markers

NSE



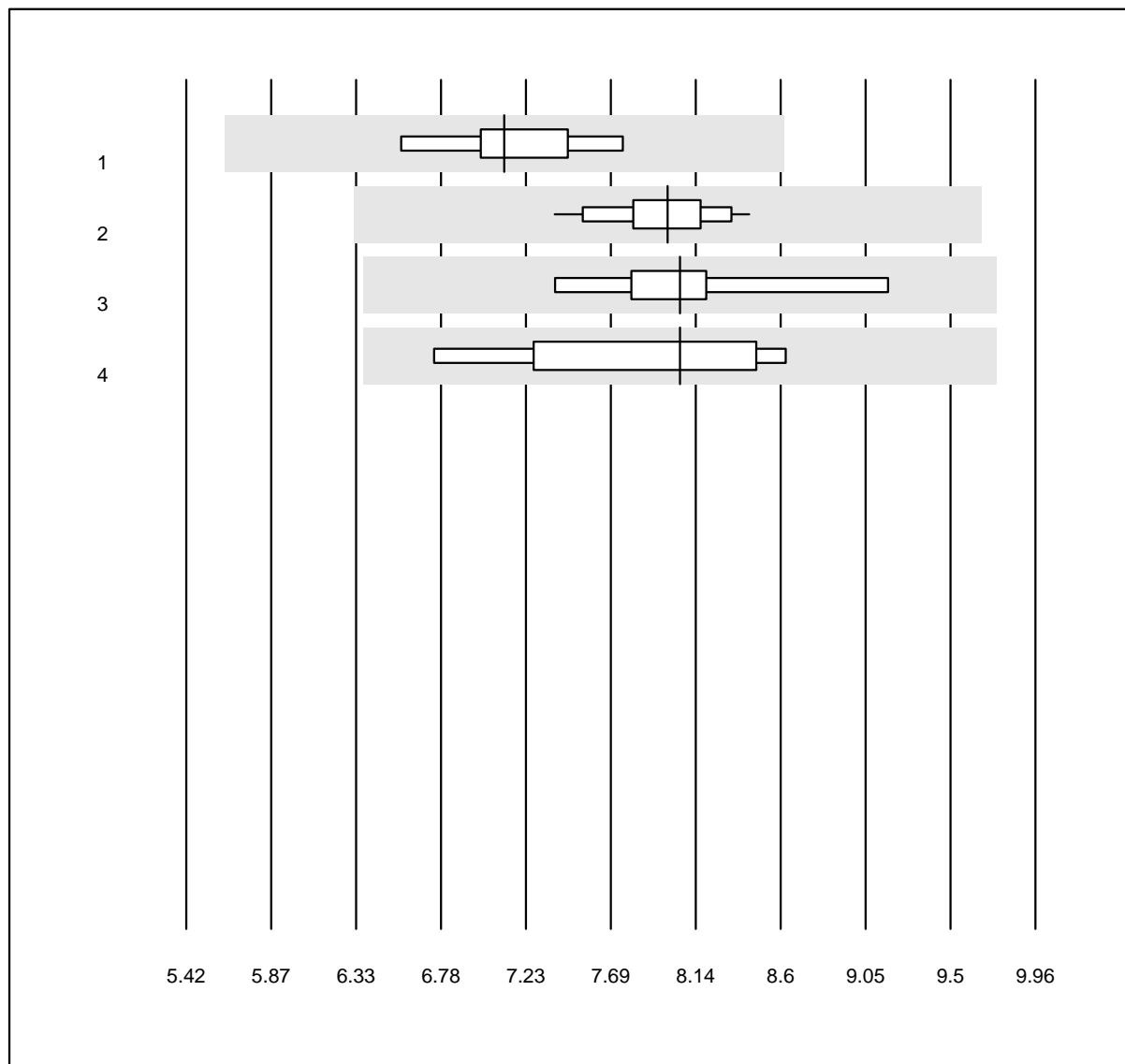
MQ Toleranz: 25%

NSE (ng/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	6	100.0	0.0	0.0	9.3	5.3	e

K14 Tumor Markers

PSA



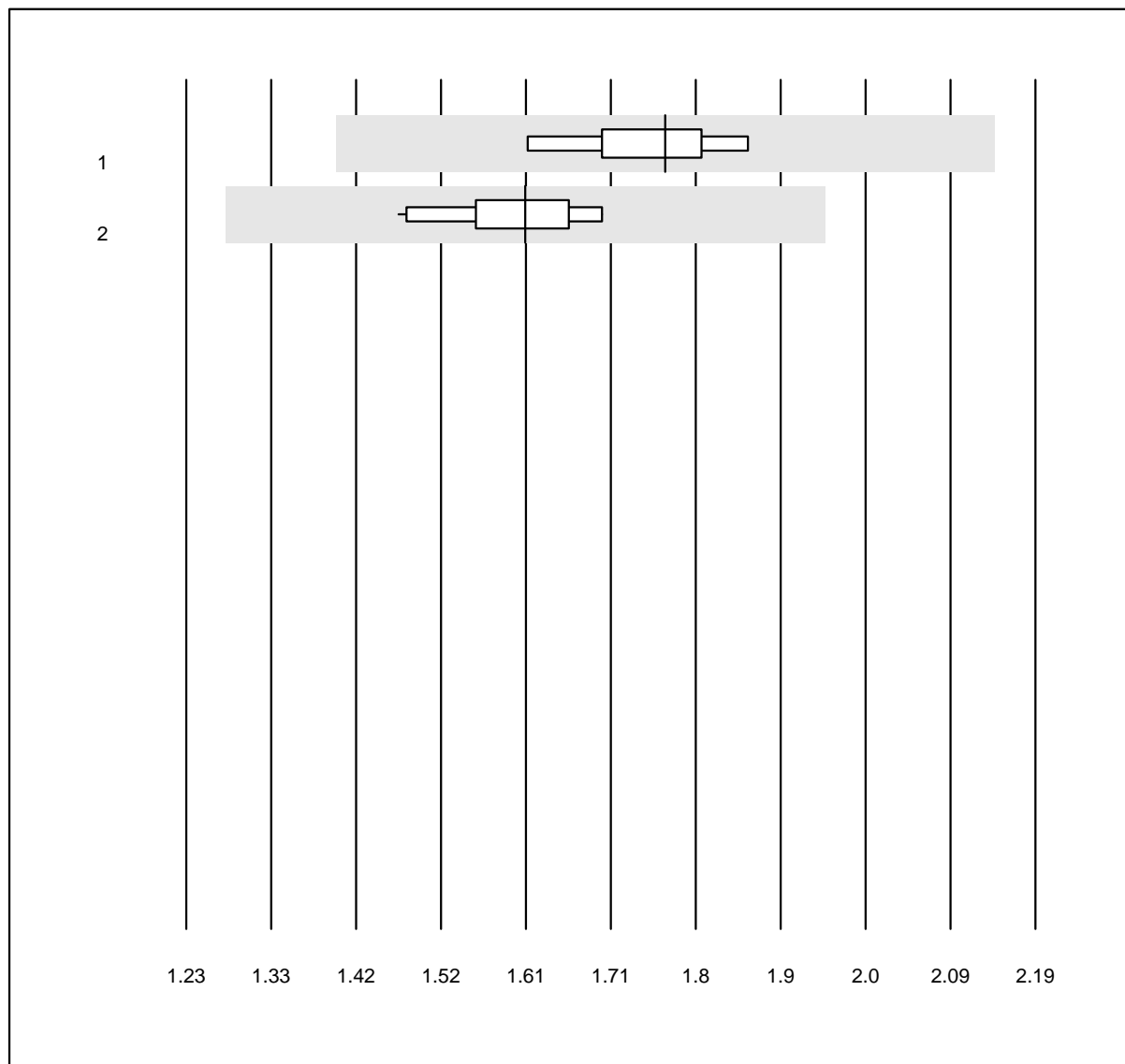
QUALAB Toleranz: 21%

PSA (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	7.12	4.8	e
2 Roche	24	100.0	0.0	0.0	7.99	3.4	e
3 AFIAS	7	100.0	0.0	0.0	8.06	5.9	e
4 Other methods	4	100.0	0.0	0.0	8.06	8.0	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

free PSA



QUALAB Toleranz: 21%

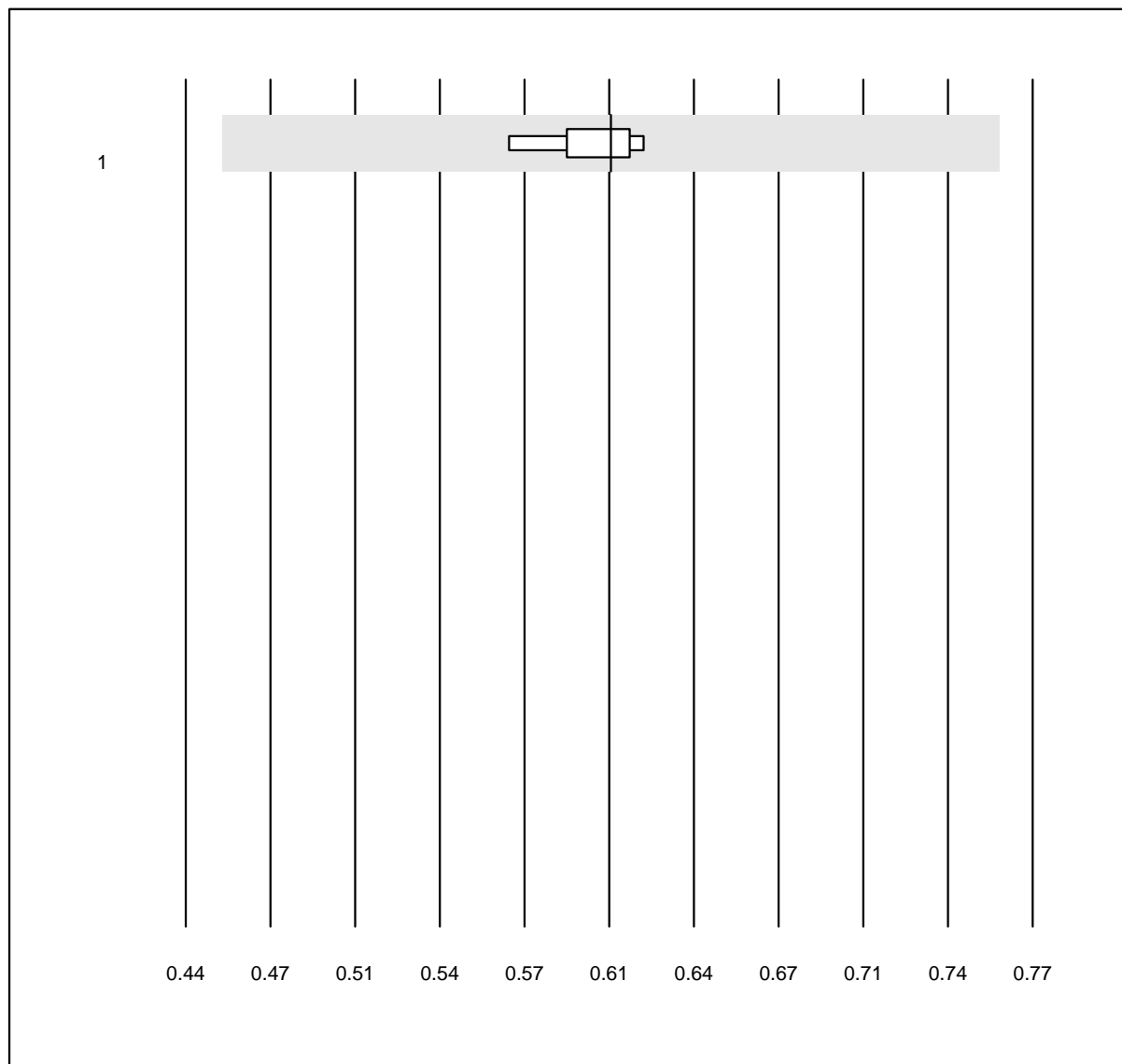
free PSA (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	1.77	4.2	e
2 Roche	18	100.0	0.0	0.0	1.61	4.4	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

K14 Tumor Markers

S100

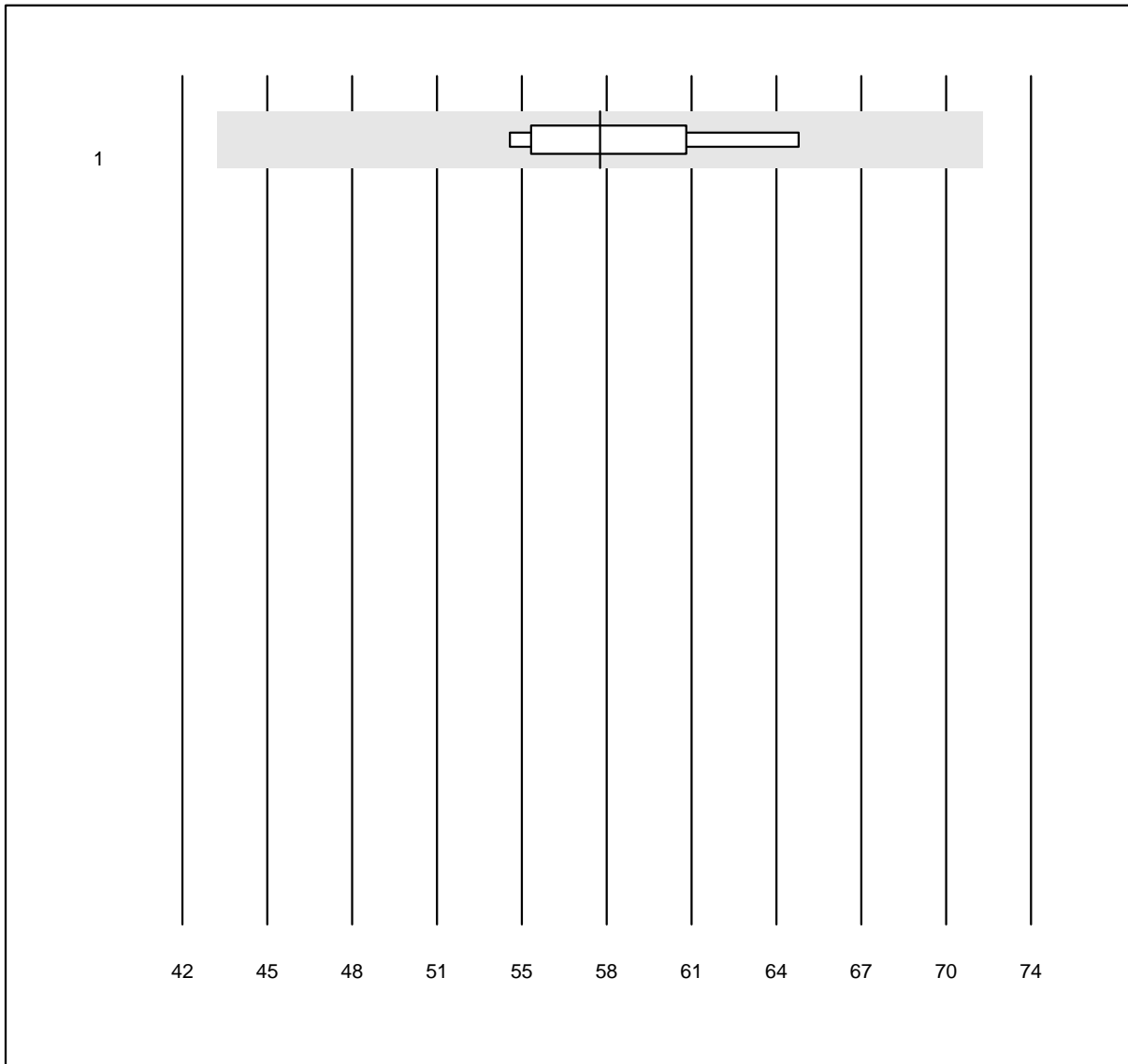


MQ Toleranz: 25%

S100 (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	5	100.0	0.0	0.0	0.61	2.6	e

Thyreoglobulin



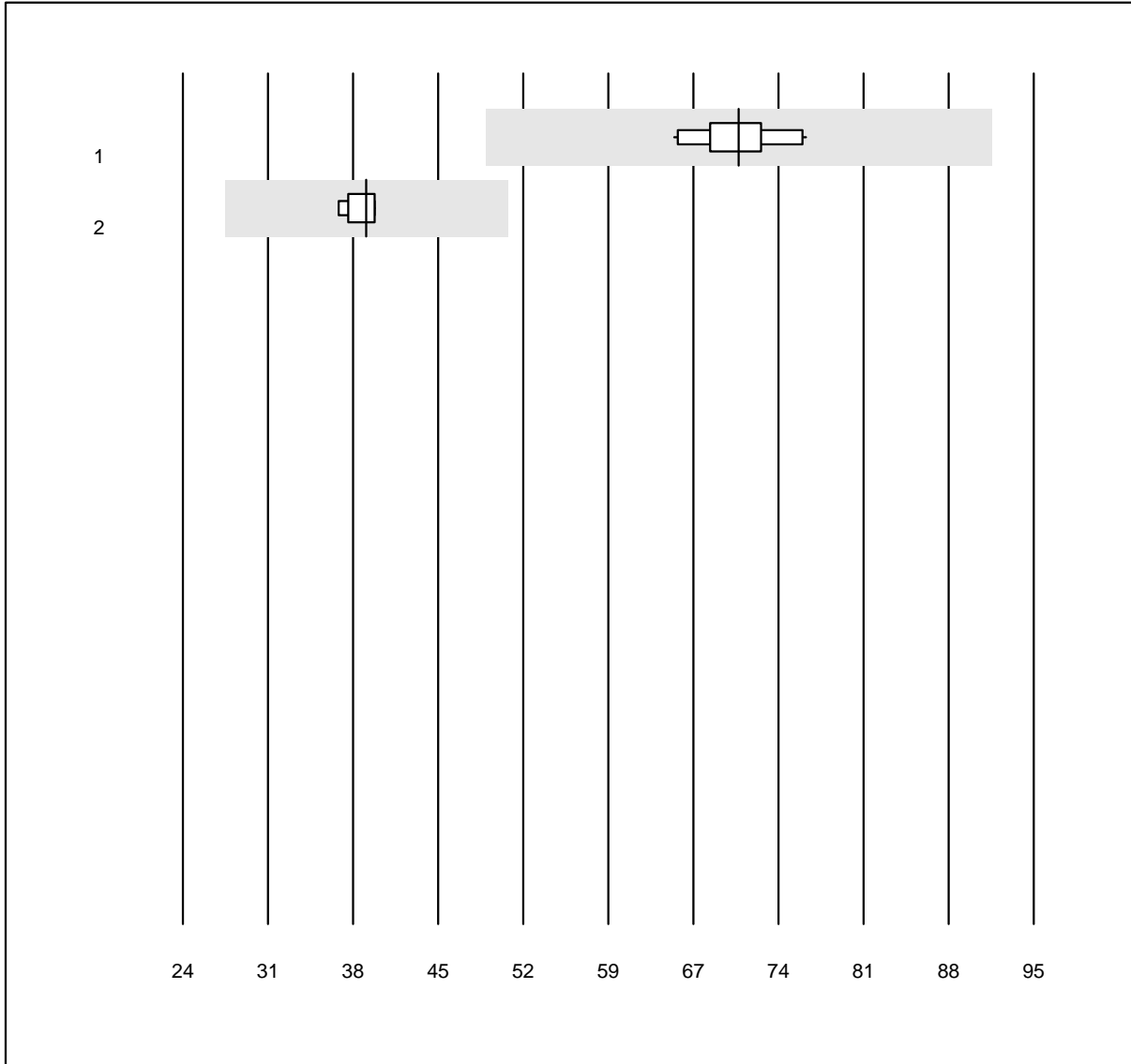
MQ Toleranz: 25%

Thyreoglobulin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	8	100.0	0.0	0.0	57.8	6.1	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

CK-MB

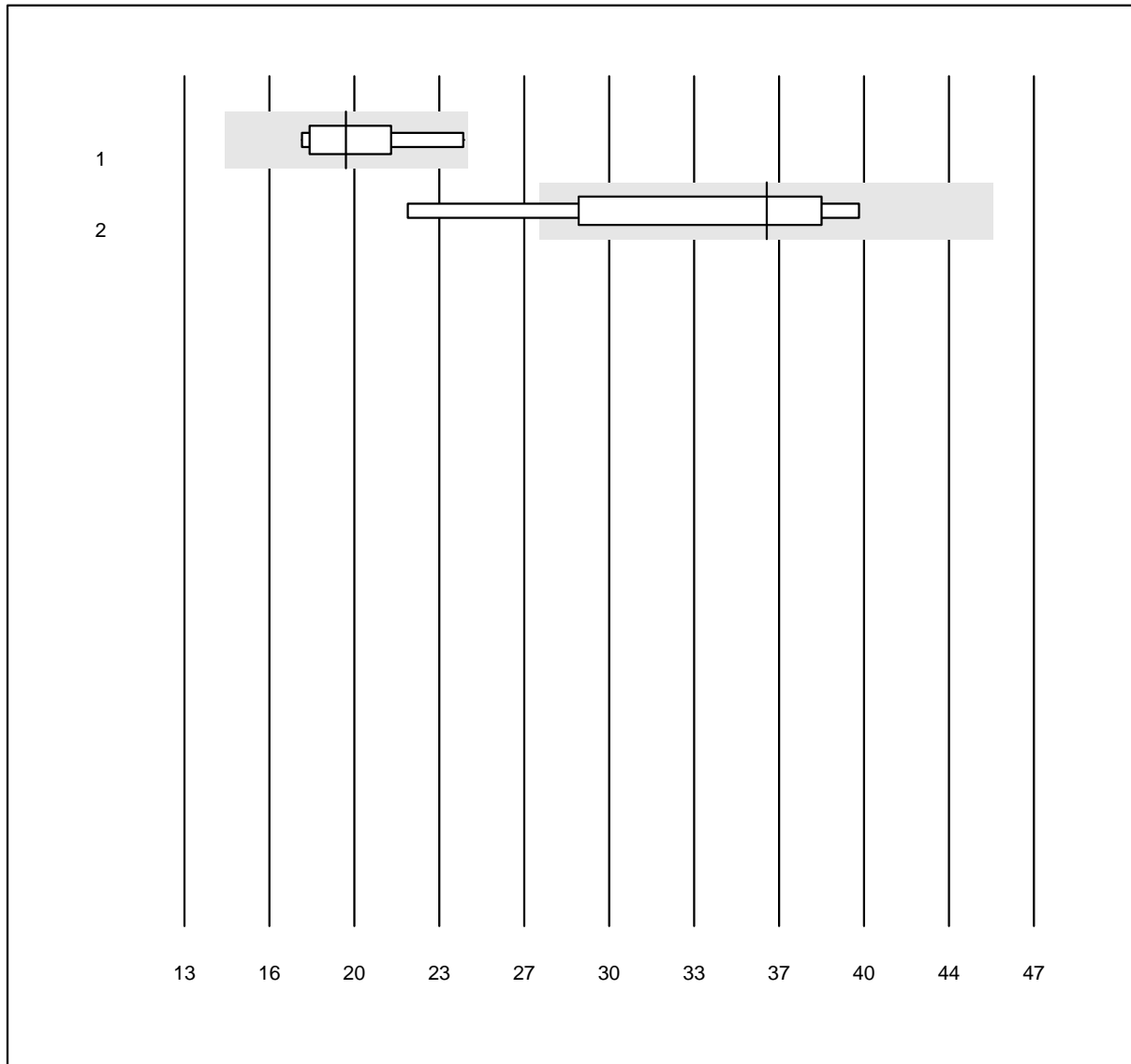


MQ Toleranz: 30%

CK-MB (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Fuji Dri-Chem	10	100.0	0.0	0.0	70.4	4.3	e
2 Cobas/Roche	9	100.0	0.0	0.0	39.3	3.1	e

ACTH



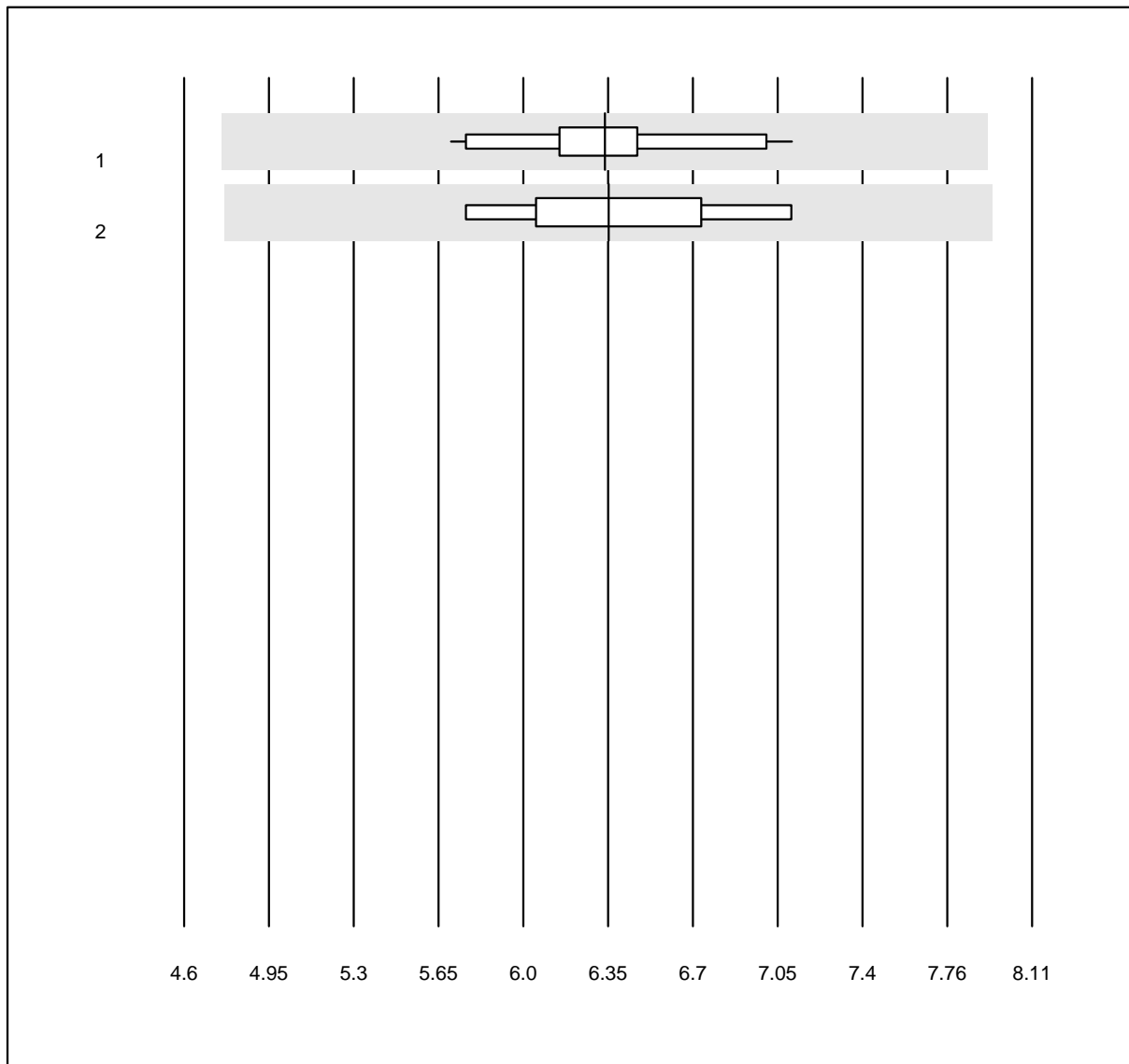
MQ Toleranz: 25%

ACTH (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	10	100.0	0.0	0.0	19.47	12.3	e*
2 Liaison	4	75.0	25.0	0.0	36.31	16.0	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

C-Peptid



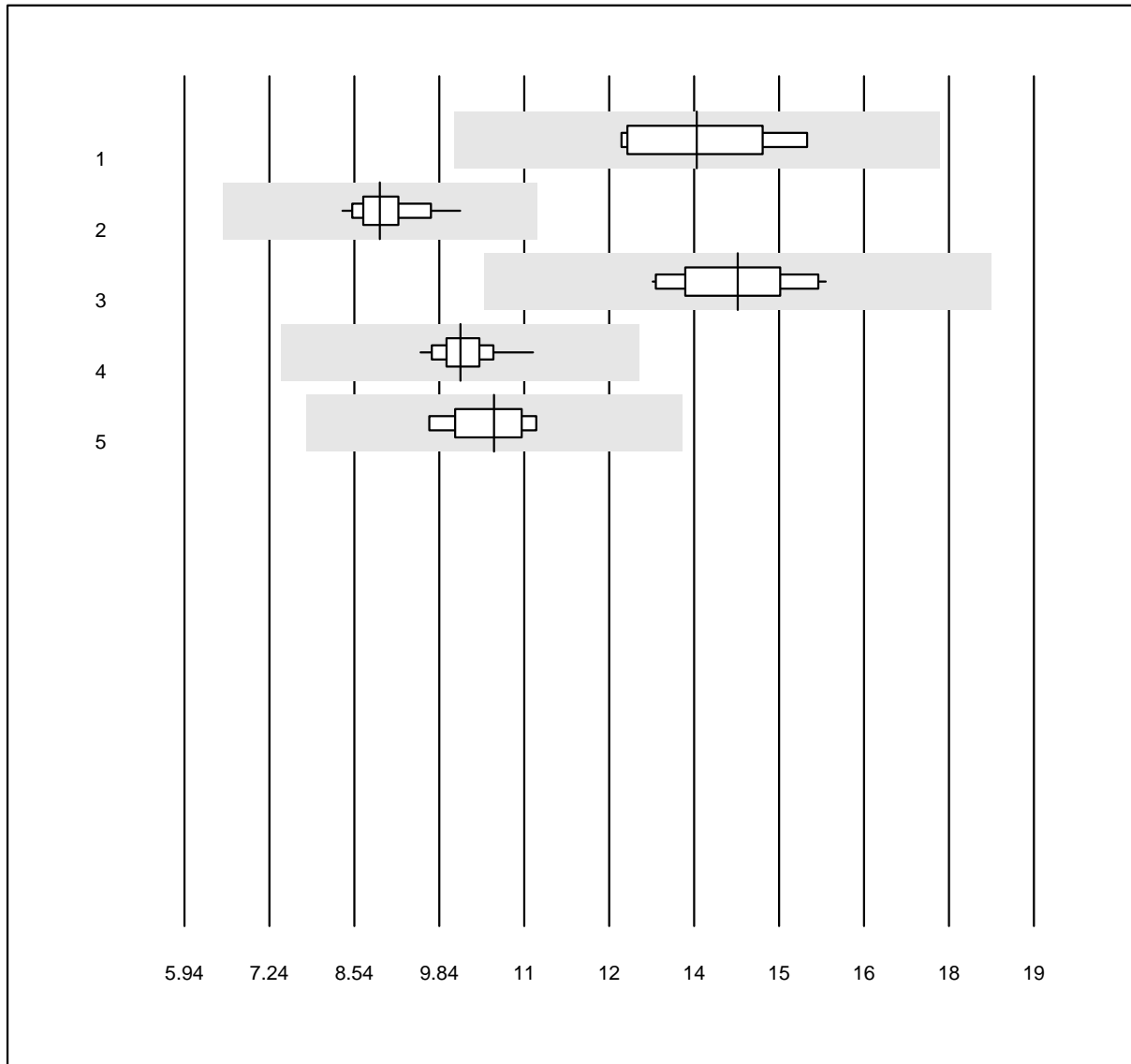
MQ Toleranz: 25%

C-Peptid (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	11	100.0	0.0	0.0	6.34	5.6	e
2 Other methods	4	100.0	0.0	0.0	6.36	5.8	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Procalcitonin



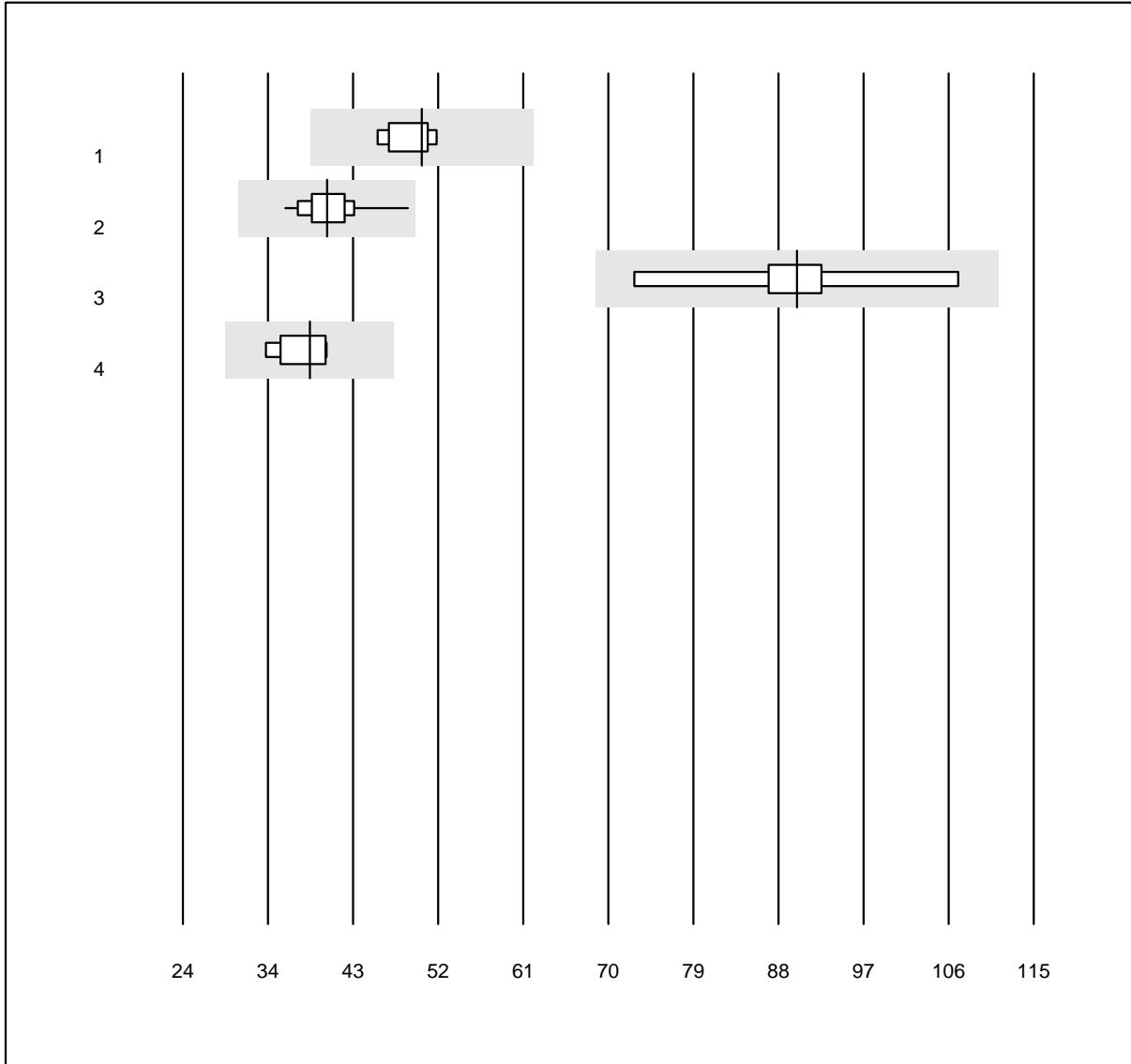
QUALAB Toleranz: 27%

Procalcitonin (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	13.82	7.9	e*
2 VIDAS	15	100.0	0.0	0.0	8.94	5.0	e
3 Siemens	11	100.0	0.0	0.0	14.45	5.9	e
4 Roche	20	100.0	0.0	0.0	10.18	3.8	e
5 Kryptor	4	100.0	0.0	0.0	10.70	5.0	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Parathyroid hormone



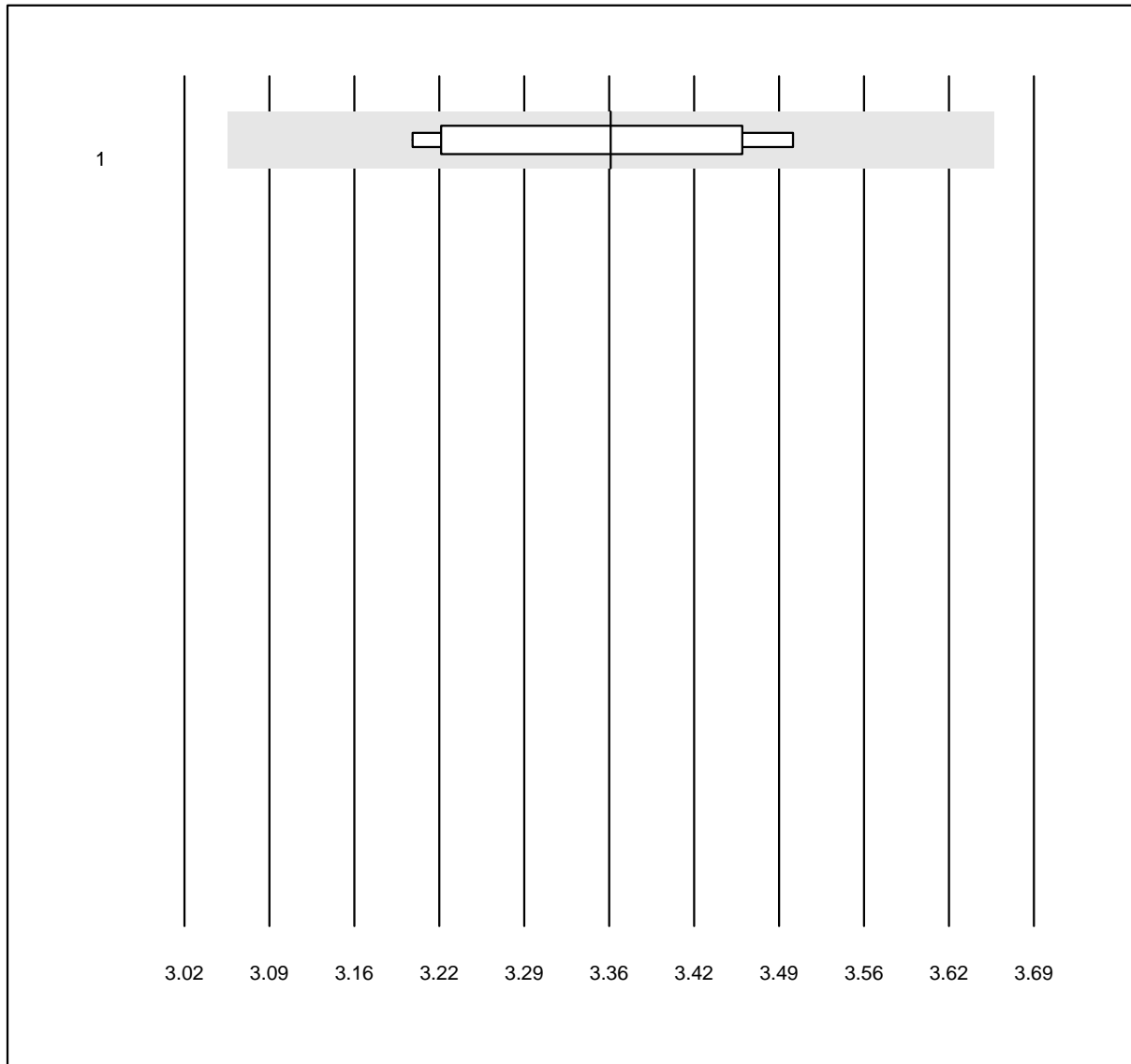
QUALAB Toleranz: 24%

Parathyroid hormone (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas	9	100.0	0.0	0.0	49.6	4.8	e
2 Cobas PTH STAT	19	100.0	0.0	0.0	39.4	7.4	e
3 ADVIA Centaur XP/CP	8	100.0	0.0	0.0	89.7	9.8	e*
4 Other methods	4	100.0	0.0	0.0	37.6	7.0	e*

6 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose-K22

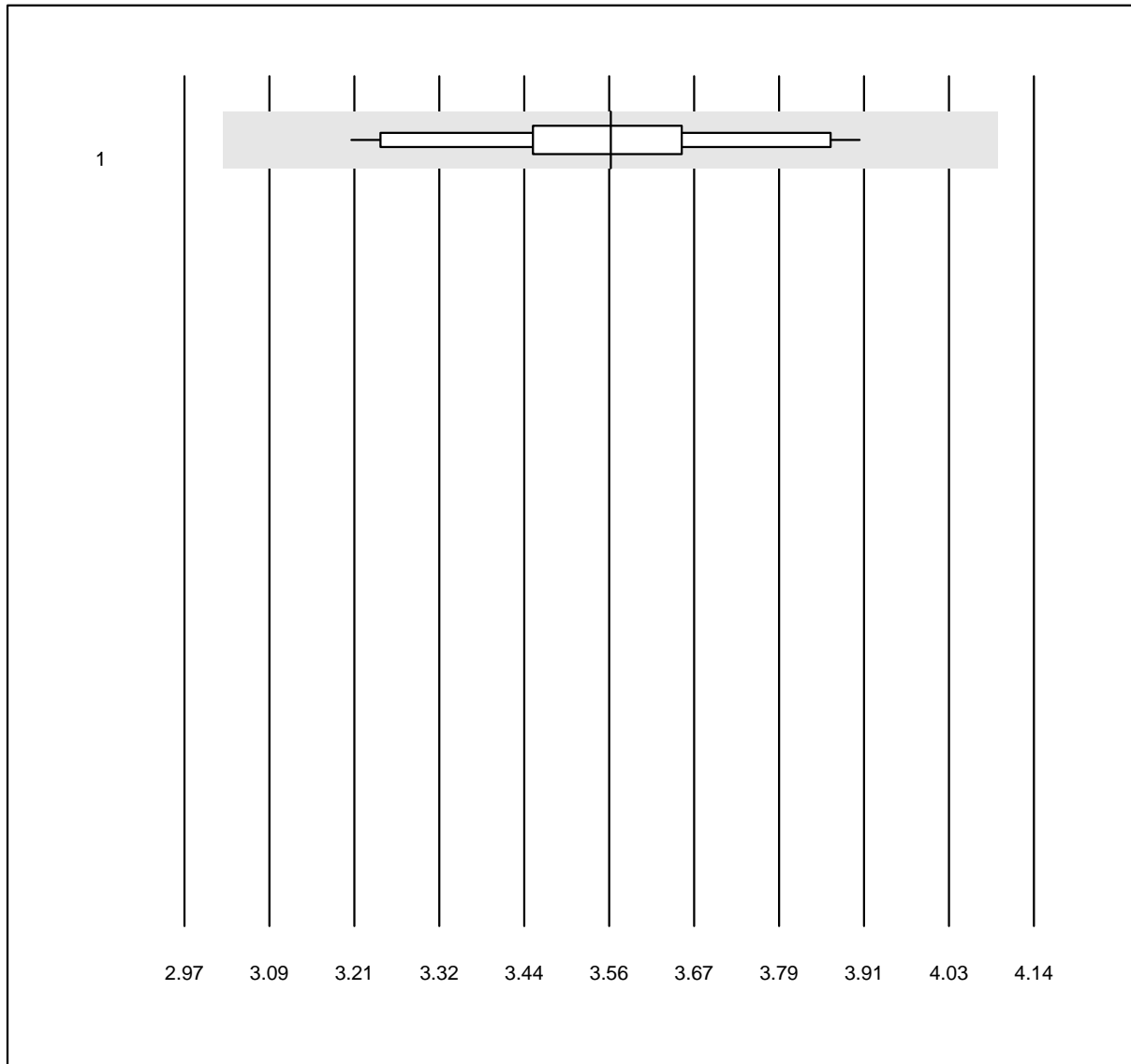


QUALAB Toleranz: 9%

Glucose-K22 (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Standard chemistry	13	92.3	0.0	7.7	3.4	3.4	e

Urea-K22

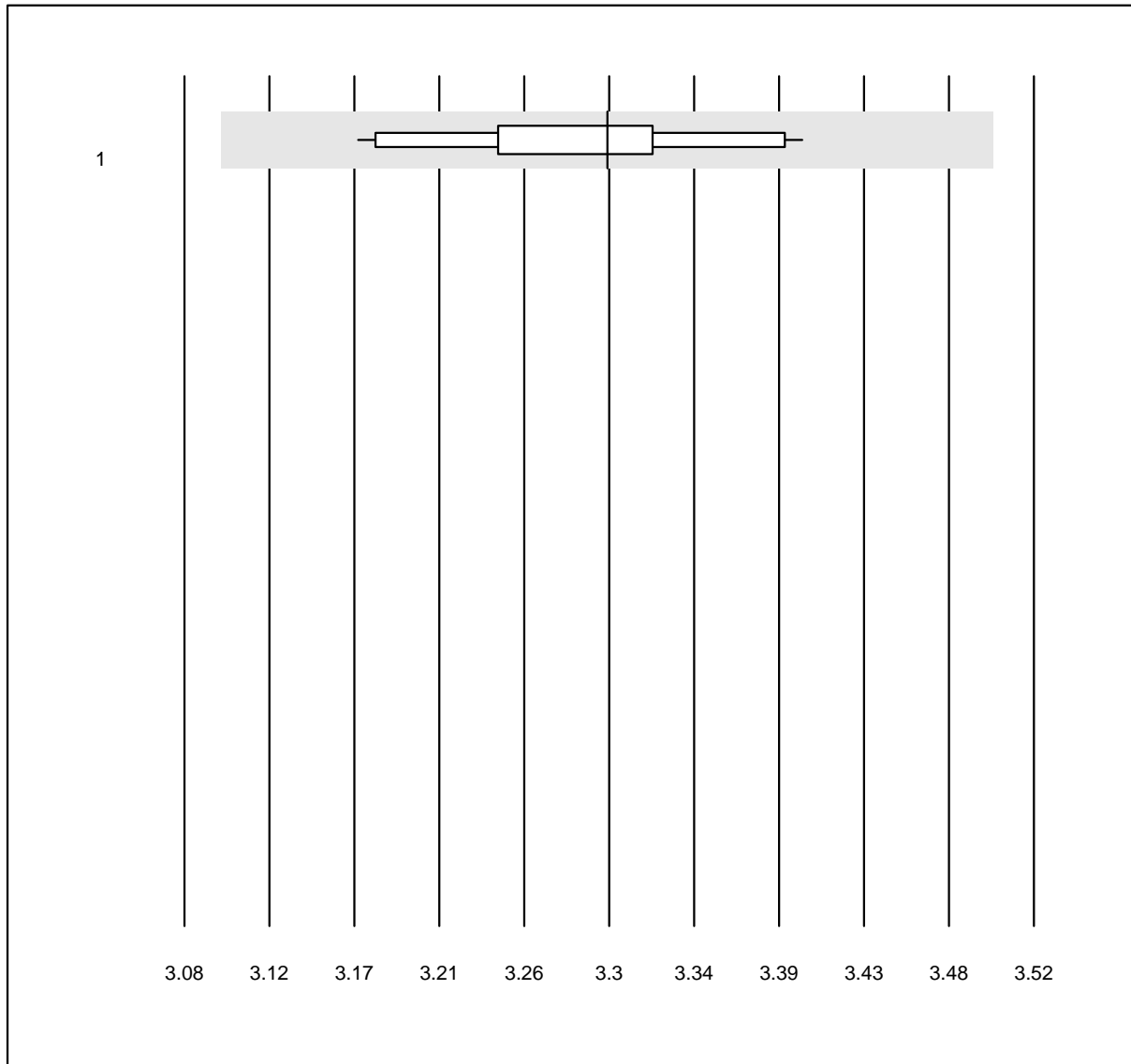


QUALAB Toleranz: 15%

Urea-K22 (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Standard chemistry	13	100.0	0.0	0.0	3.6	5.3	e

Potassium-K22

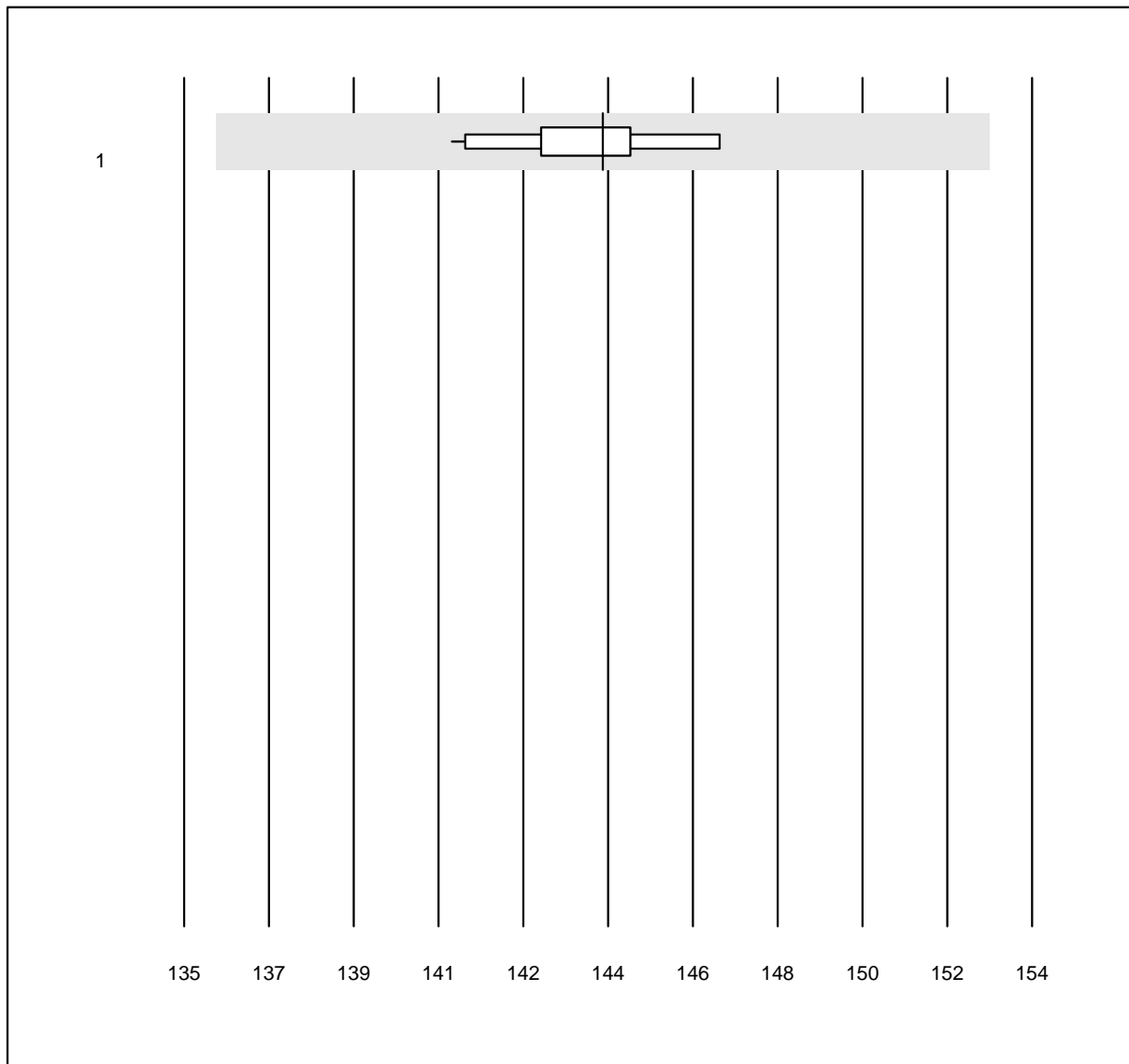


QUALAB Toleranz: 6%
(< 3.3: +/- 0.2 mmol/l)

Potassium-K22 (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ISE	13	92.3	0.0	7.7	3.3	2.0	e

Sodium-K22

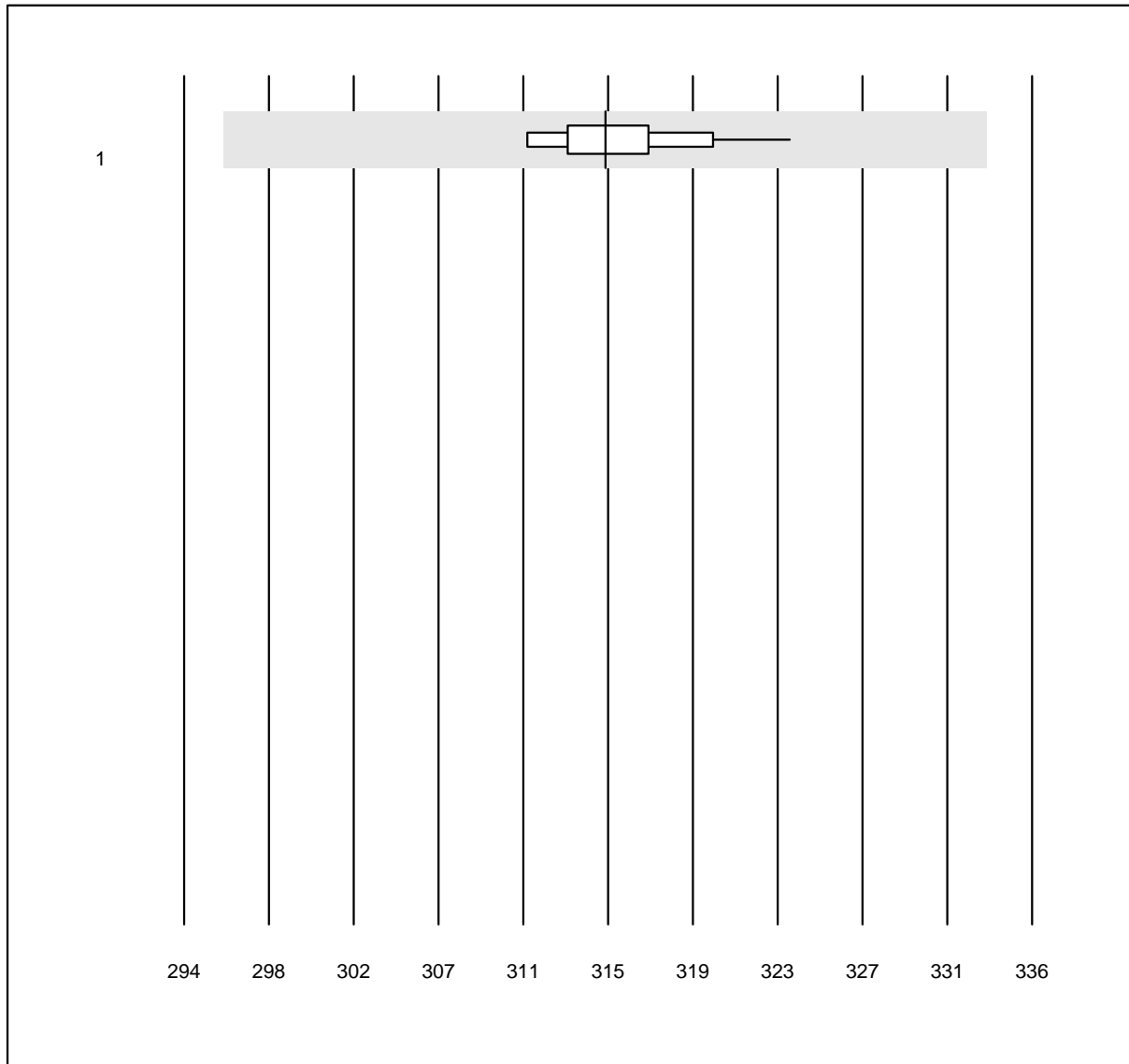


QUALAB Toleranz: 6%

Sodium-K22 (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 ISE	13	92.3	0.0	7.7	144	1.2	e

Osmolality

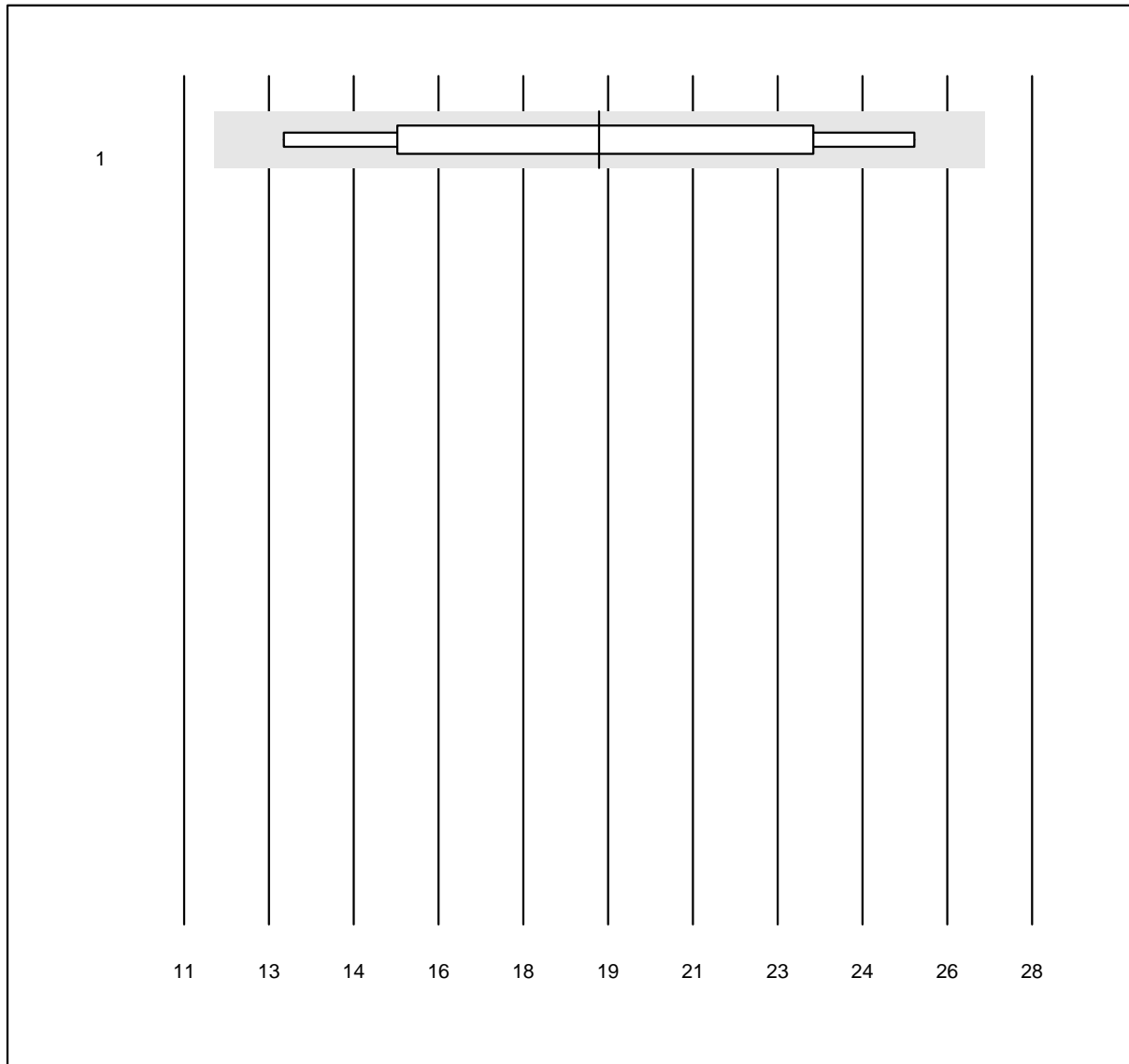


QUALAB Toleranz: 6%

Osmolality (mosm/kg)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cryoskopy	27	100.0	0.0	0.0	315	1.0	e

Osmotic Gap



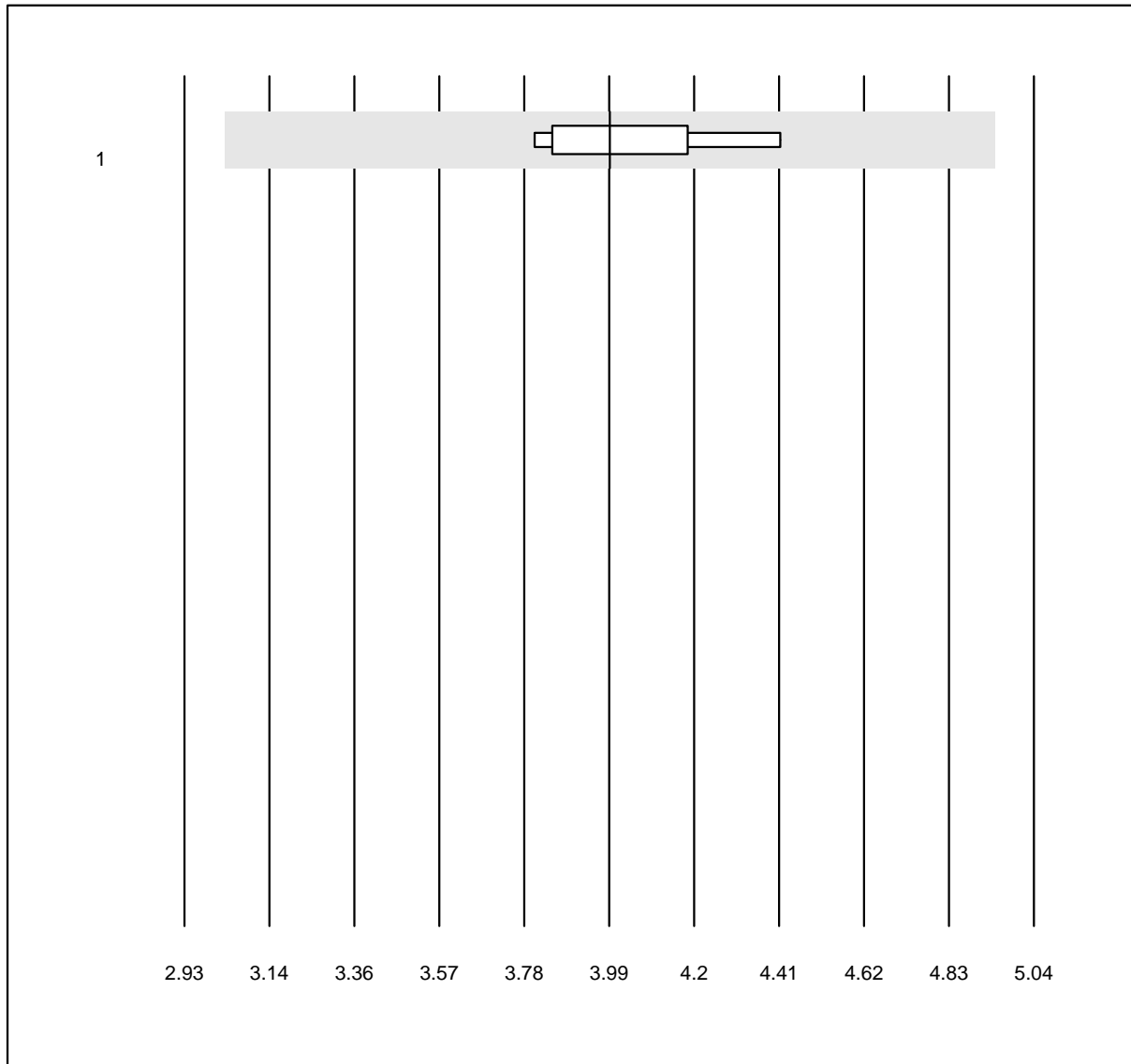
MQ Toleranz: 40%

Osmotic Gap (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Formula 1 (2Na+K+Glu+Hst)	9	100.0	0.0	0.0	19.3	23.8	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Digoxin



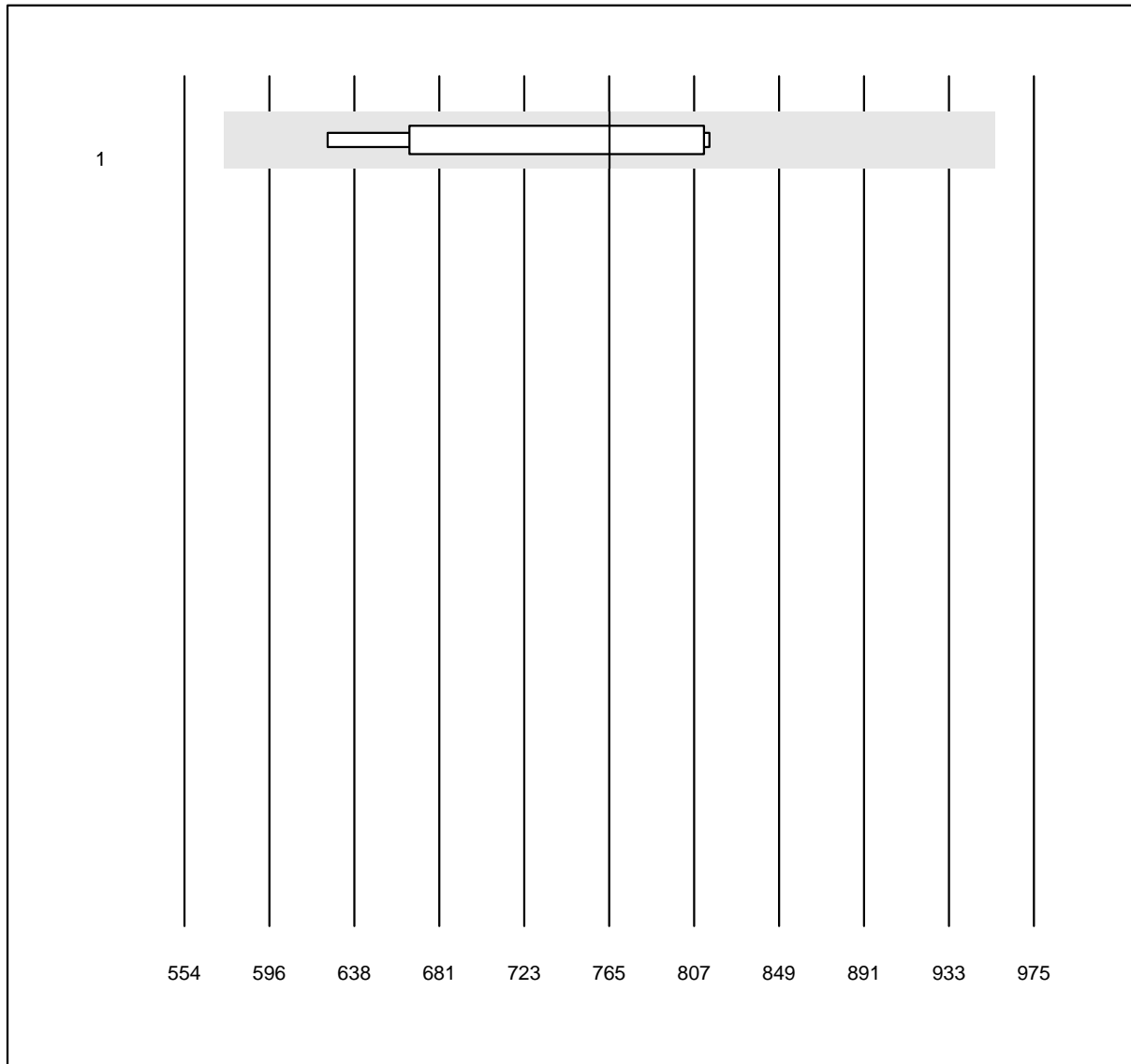
QUALAB Toleranz: 24%

Digoxin (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	9	100.0	0.0	0.0	3.99	5.2	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Paracetamol



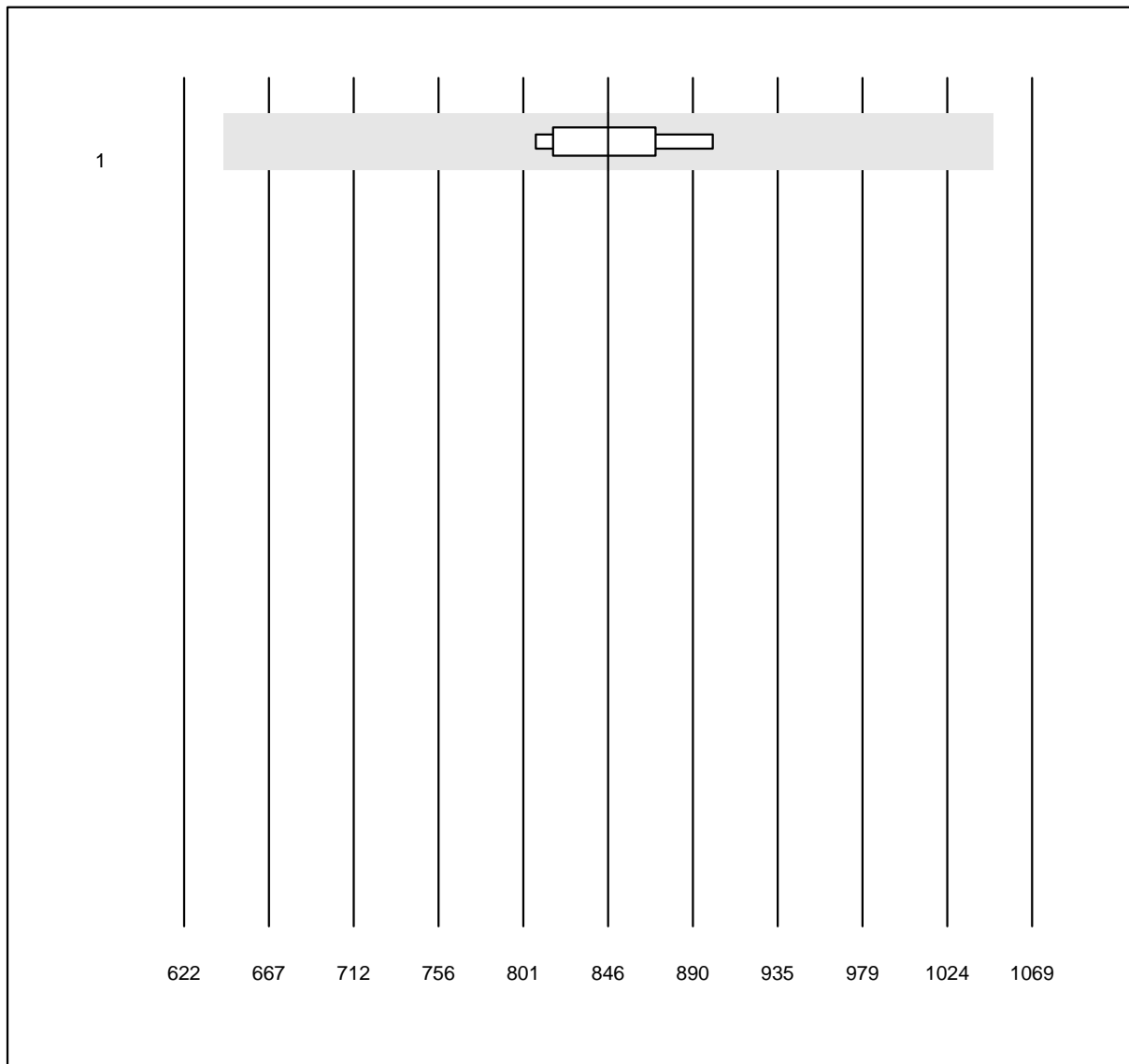
MQ Toleranz: 25%

Paracetamol (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	5	100.0	0.0	0.0	764.7	10.5	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Valproat

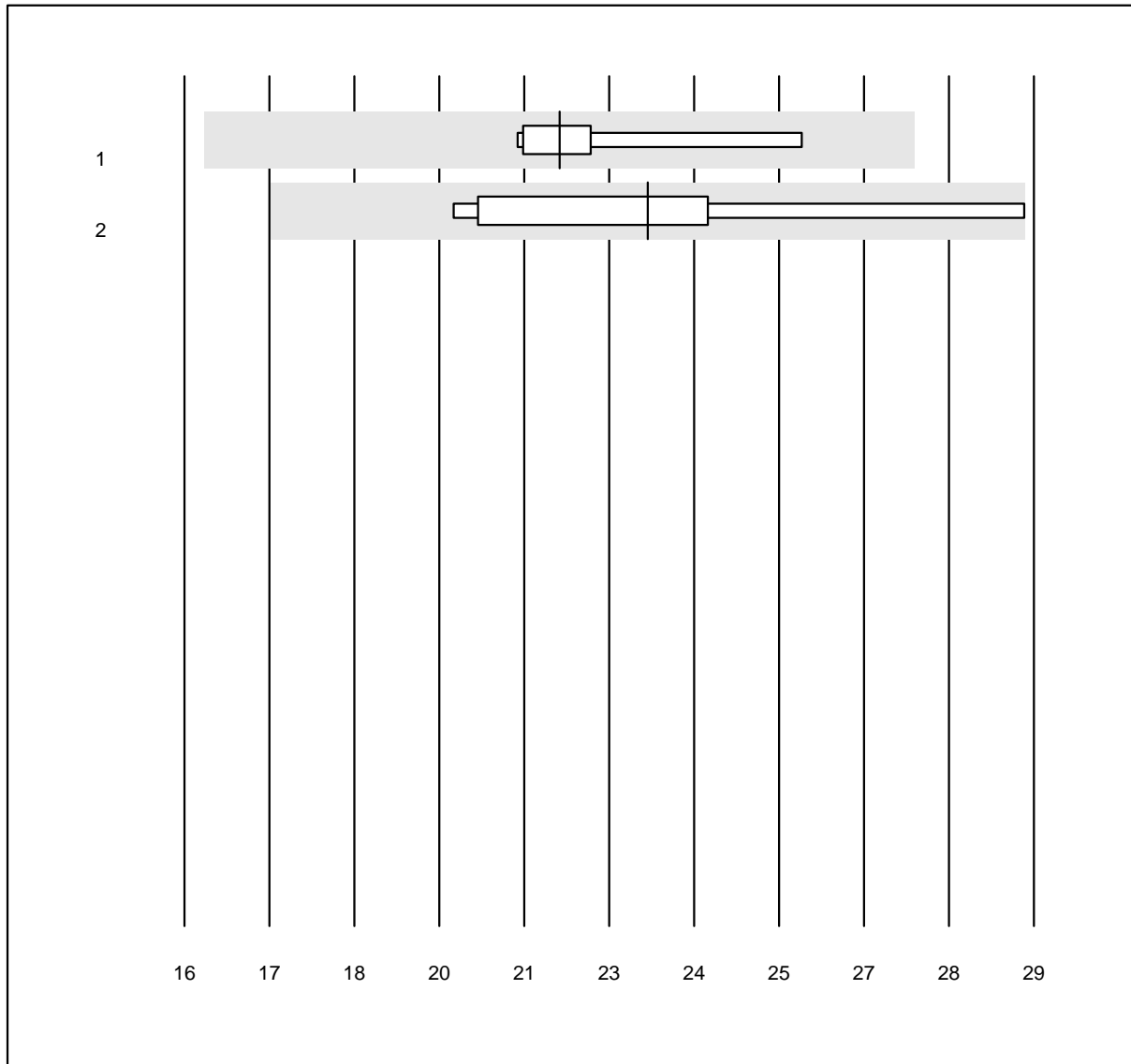


MQ Toleranz: 24%

Valproat (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	8	100.0	0.0	0.0	845.5	3.7	e

Vancomycin



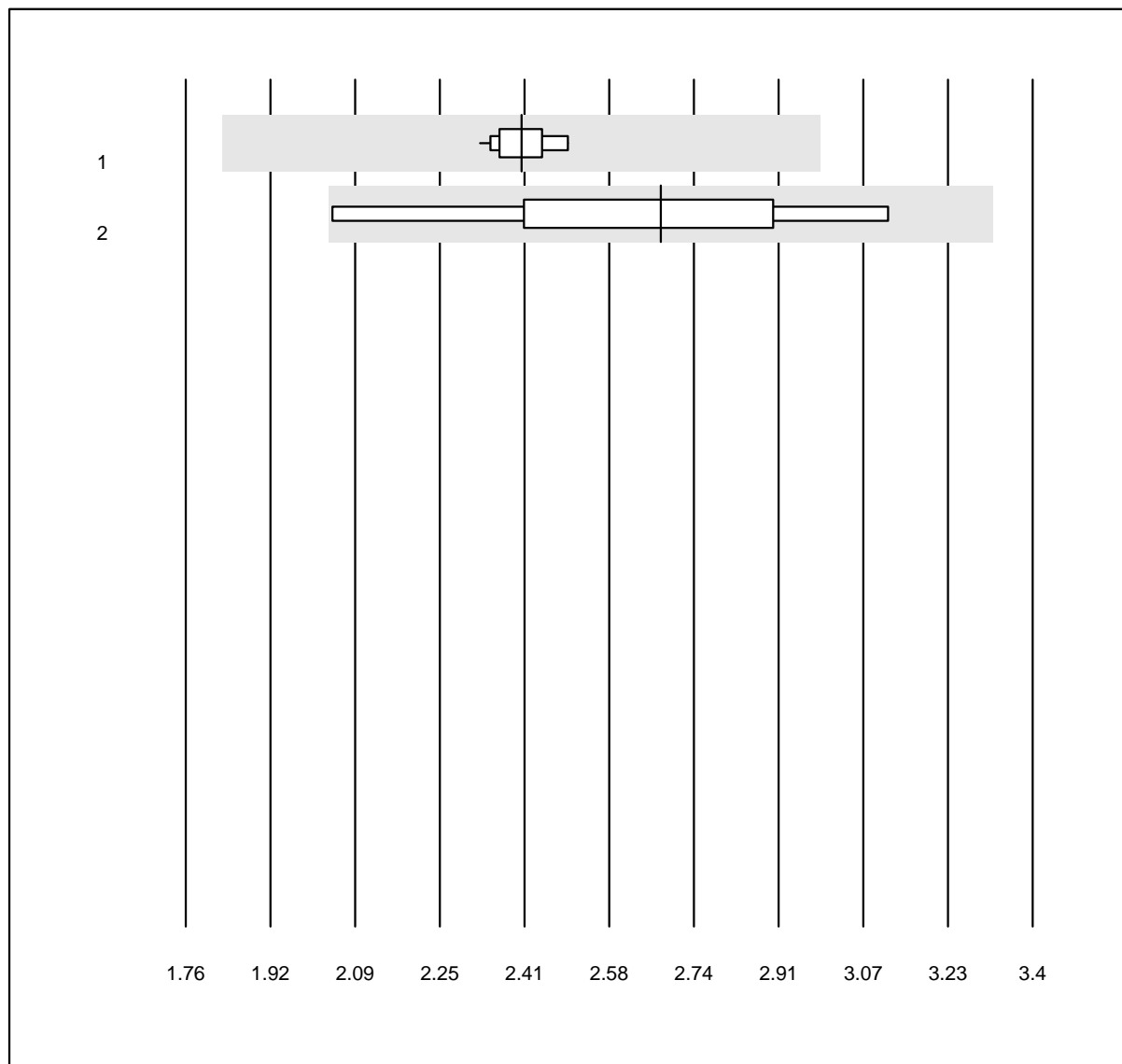
MQ Toleranz: 25%

Vancomycin (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	7	100.0	0.0	0.0	21.7	5.9	e
2 Siemens	5	100.0	0.0	0.0	23.1	11.9	d*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Cystatin C



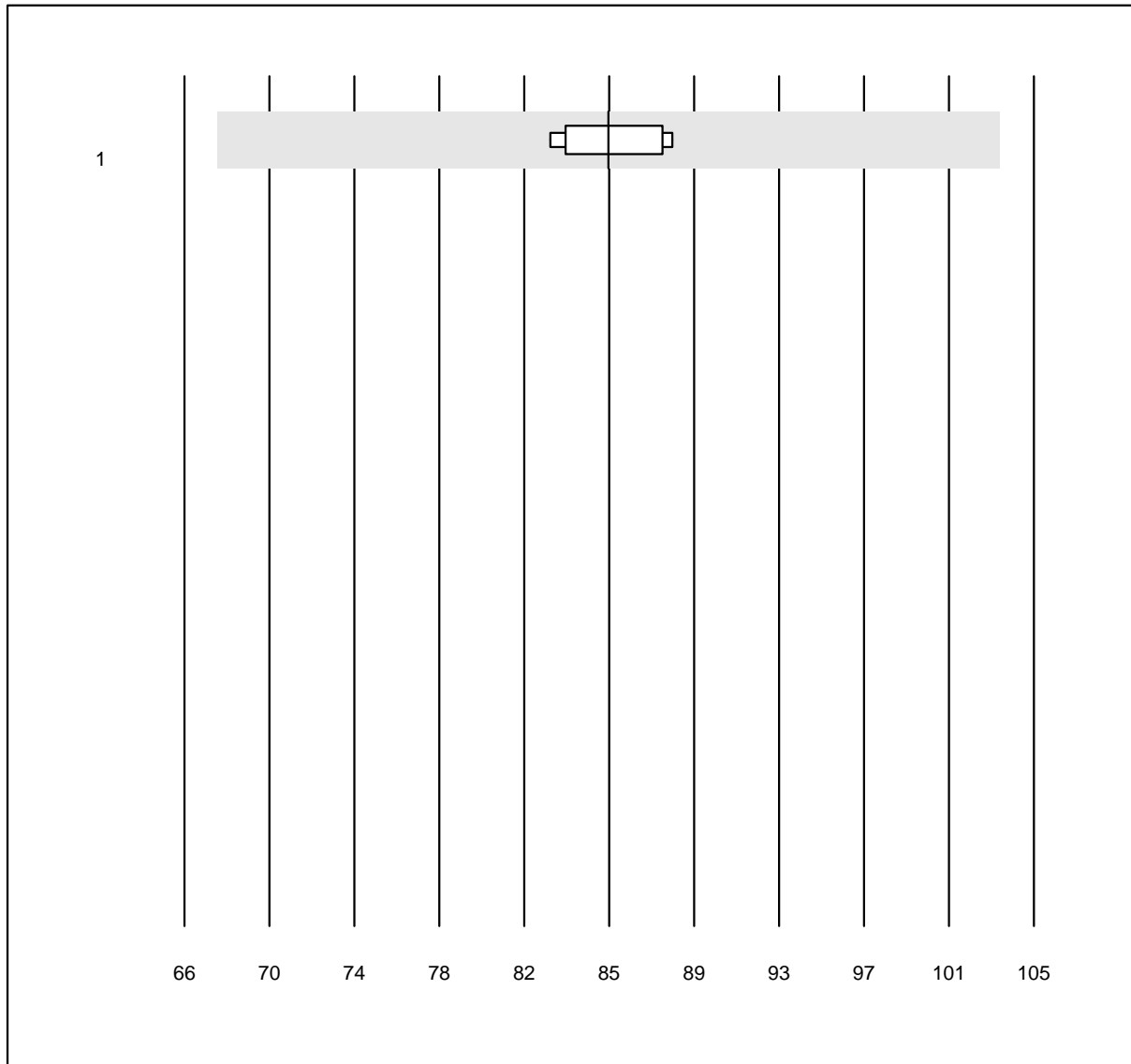
MQ Toleranz: 24%

Cystatin C (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	22	100.0	0.0	0.0	2.41	2.1	e
2 Nephelometry	8	100.0	0.0	0.0	2.68	12.4	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Ammonia



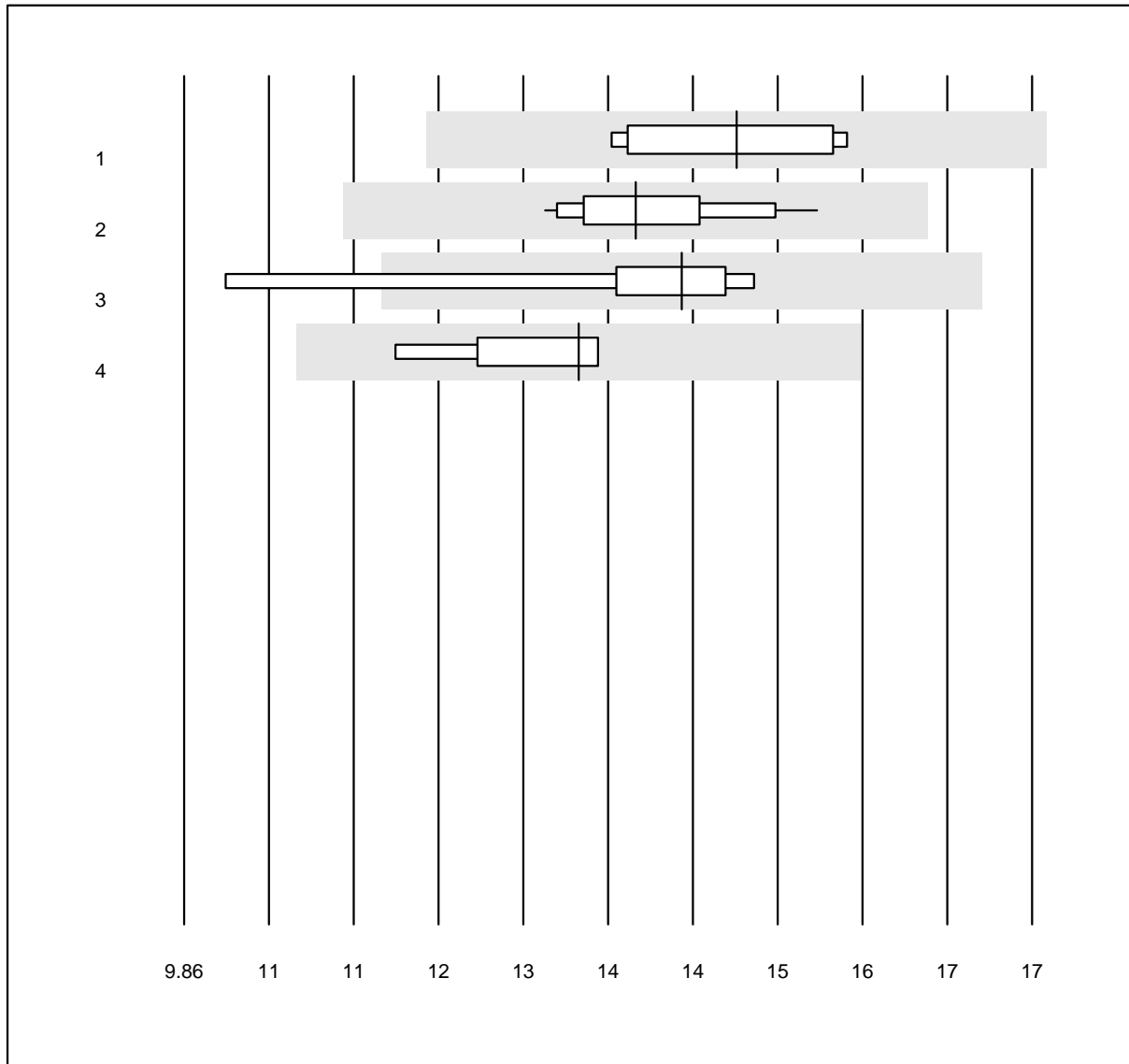
QUALAB Toleranz: 21%

Ammonia (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	9	100.0	0.0	0.0	85.5	2.5	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Ethanol

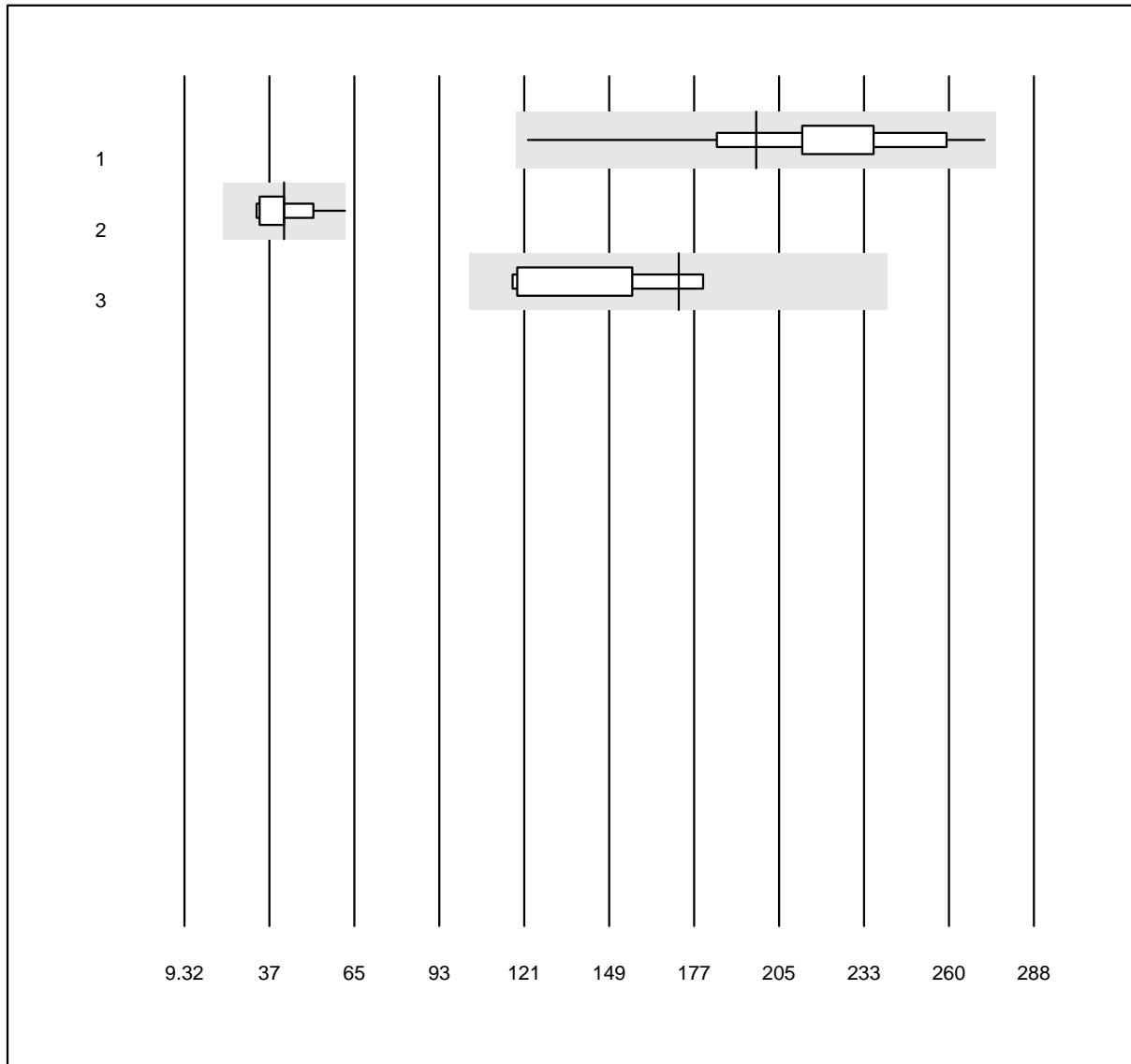


QUALAB Toleranz: 18%

Ethanol (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	14.5	6.0	e*
2 Roche	28	100.0	0.0	0.0	13.7	4.7	e
3 Siemens	8	87.5	12.5	0.0	14.1	9.8	e*
4 Others	4	100.0	0.0	0.0	13.2	4.5	e*

Calprotectin



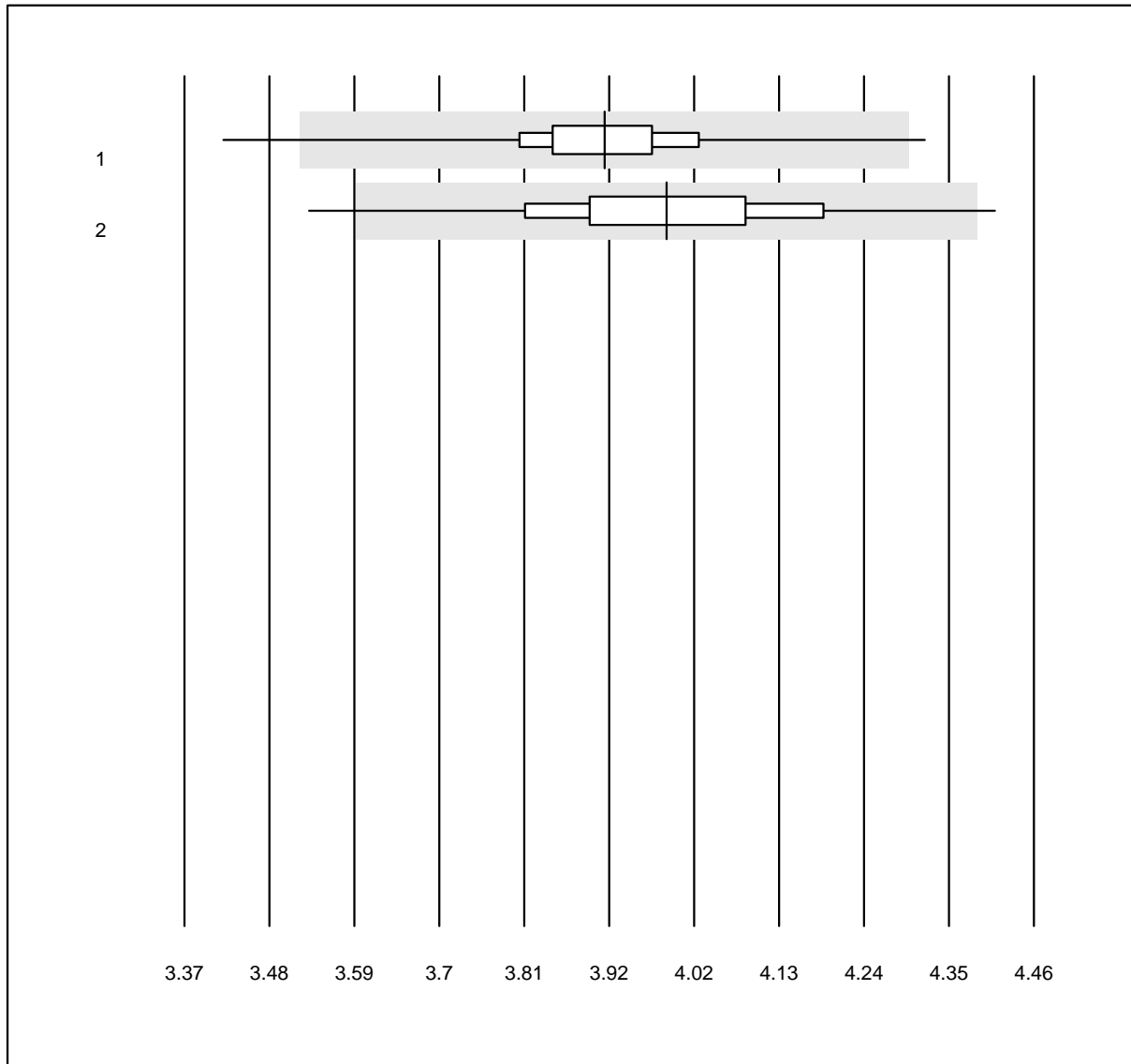
MQ Toleranz: 40%

Calprotectin (µg/g)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Bühlmann fCALturbo	23	95.7	0.0	4.3	197	13.9	a
2 Liaison	16	93.8	0.0	6.2	42	19.2	a
3 Bühlmann Quantum Blue	4	100.0	0.0	0.0	172	15.9	a*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Cholesterol total Af/b101

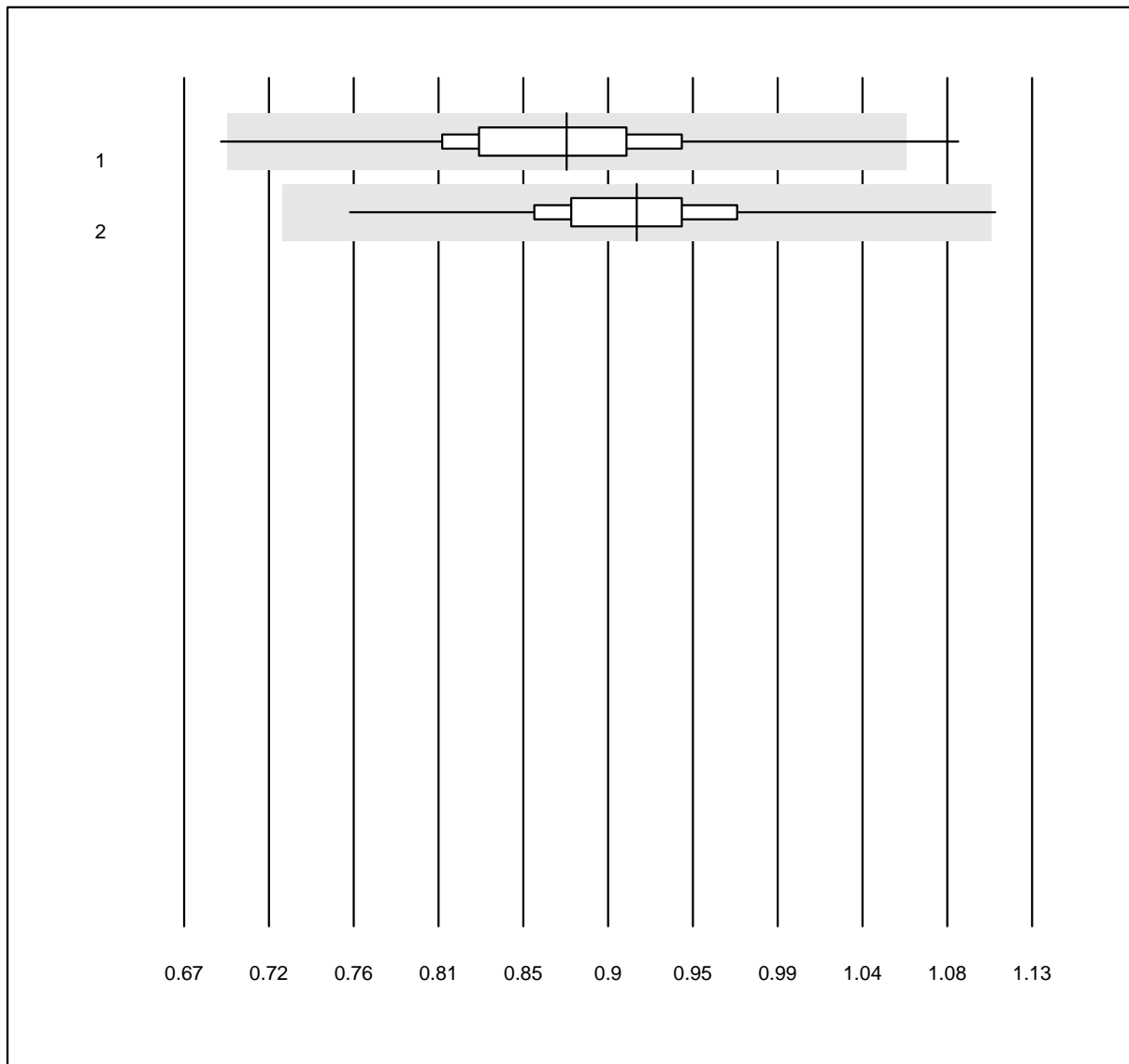


QUALAB Toleranz: 10%

Cholesterol total Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	368	98.1	0.8	1.1	3.91	2.6	e
2 Afinion	501	97.6	1.4	1.0	3.99	3.9	e

HDL-Cholesterol Af/b101

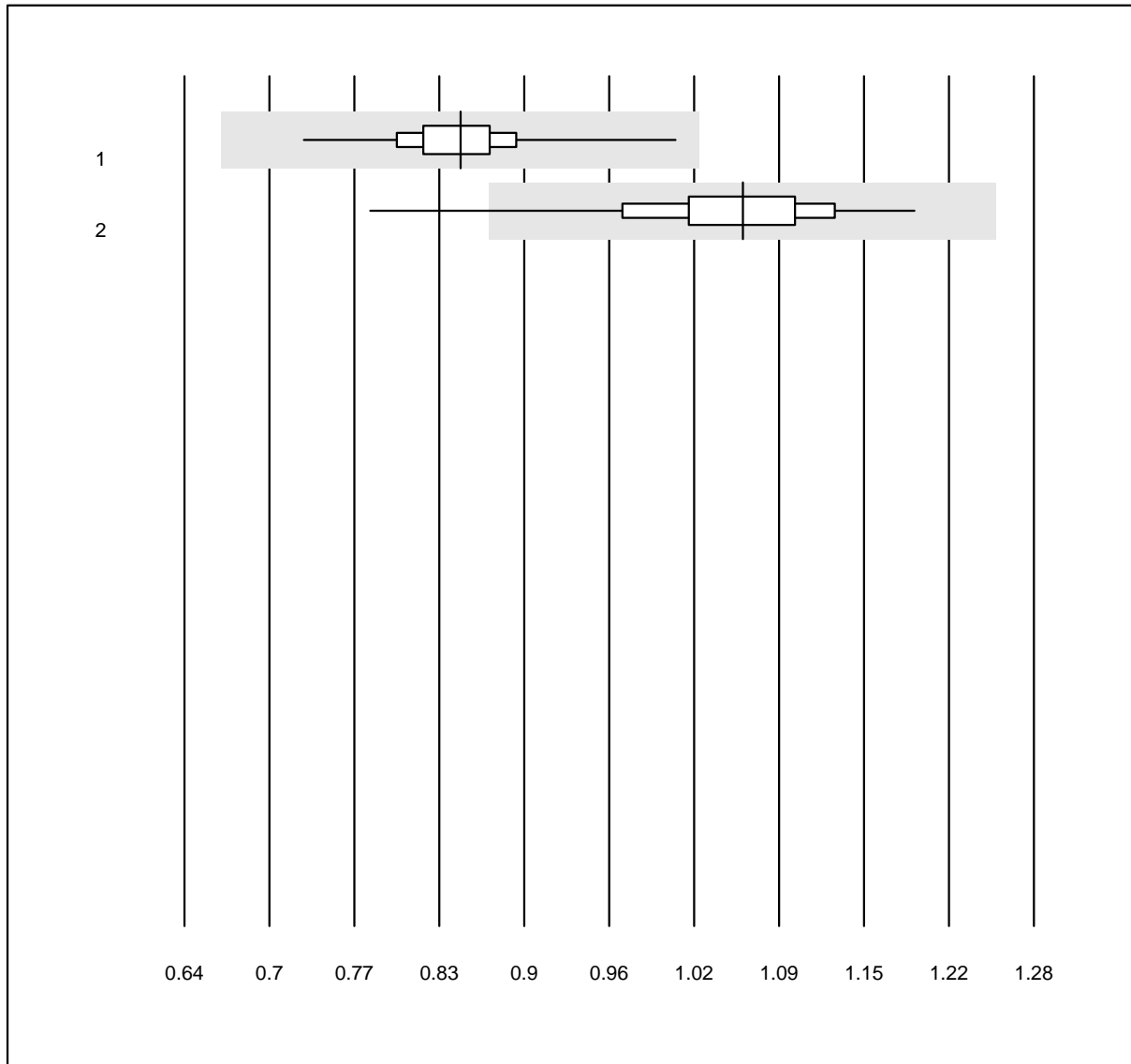


QUALAB Toleranz: 21%

HDL-Cholesterol Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	366	95.1	0.5	4.4	0.88	6.3	e
2 Afinion	502	95.8	0.2	4.0	0.92	4.8	e

Tryglycerides Af/b101

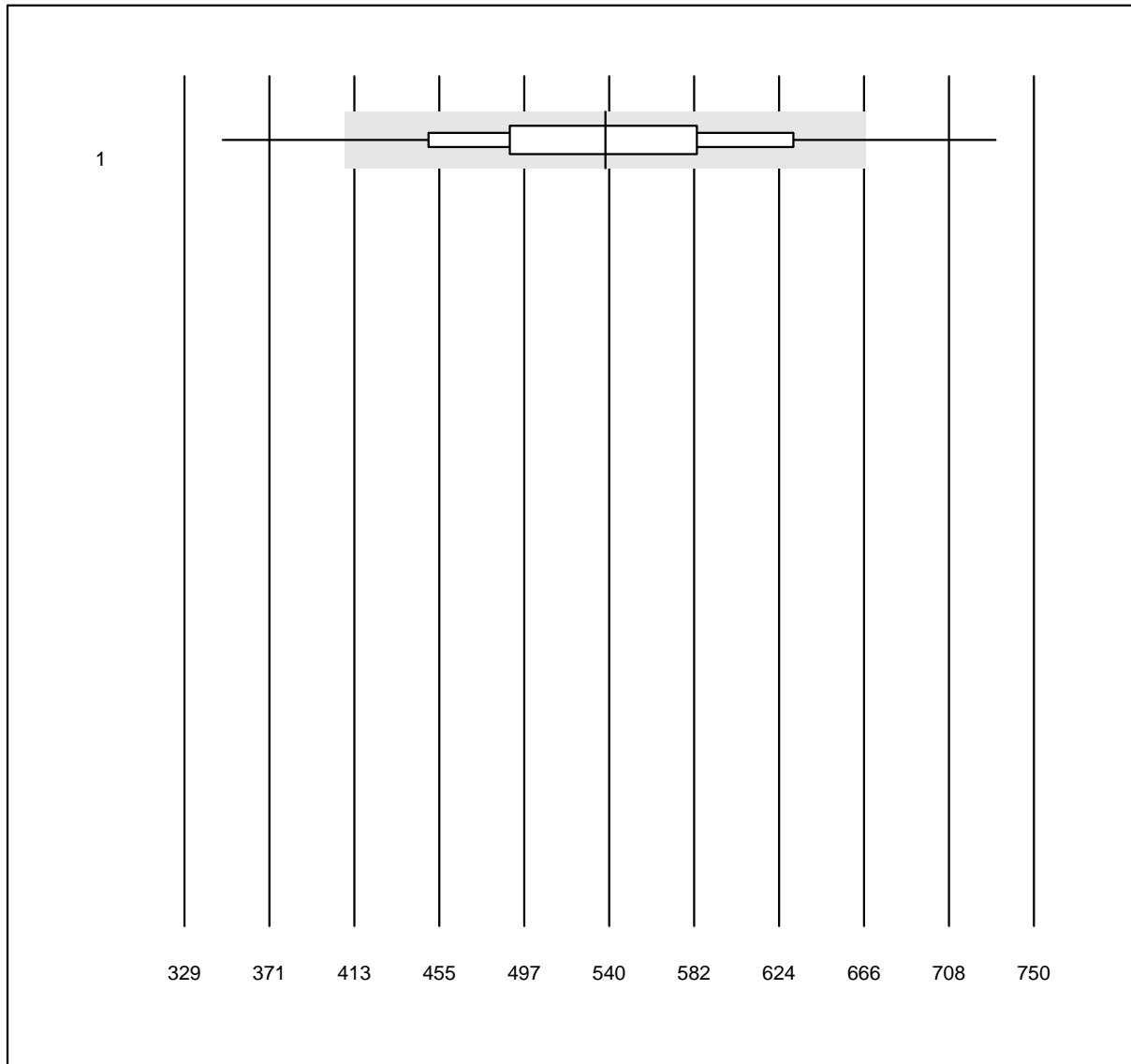


QUALAB Toleranz: 18%
(< 1.0: +/- 0.18 mmol/l)

Tryglycerides Af/b101
(mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas b101/Click	366	98.1	0.0	1.9	0.85	4.5	e
2 Afinion	503	98.2	1.2	0.6	1.06	6.2	e

Troponin I AFIAS

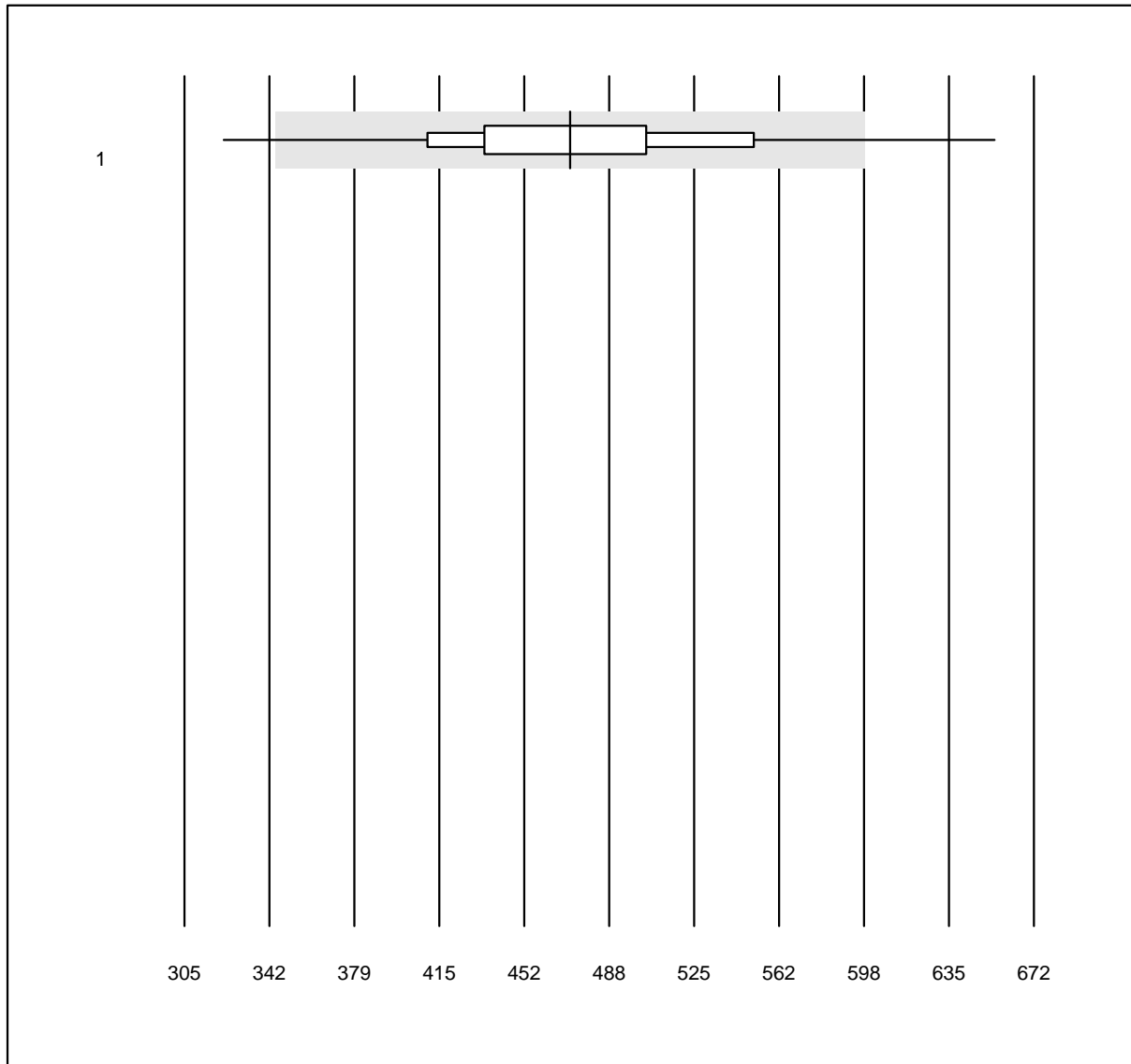


QUALAB Toleranz: 24%

Troponin I AFIAS (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 AFIAS	700	88.1	6.1	5.7	537.66	12.9	e

NT-proBNP AFIAS

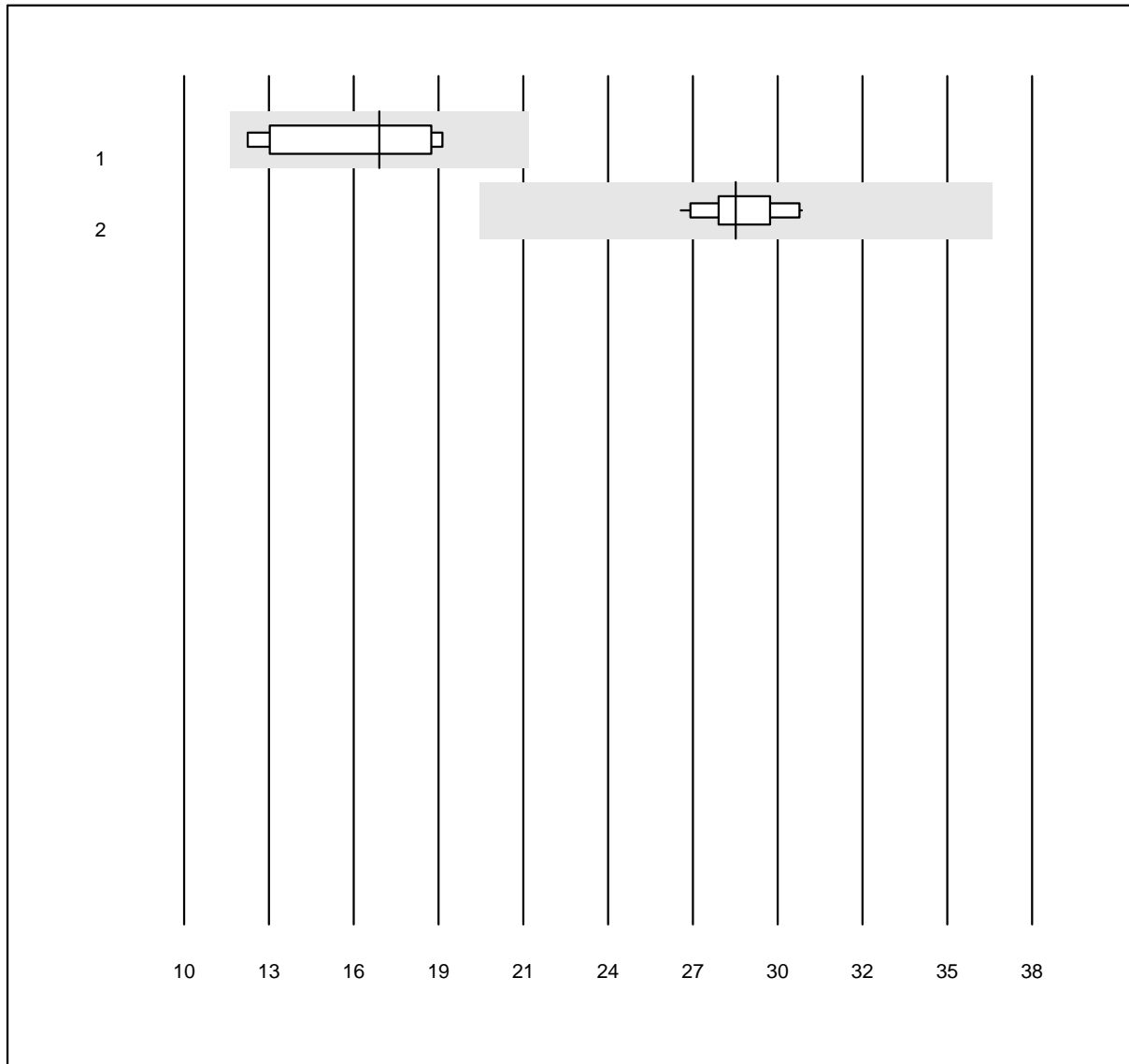


QUALAB Toleranz: 27%

NT-proBNP AFIAS (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 AFIAS	546	94.7	2.9	2.4	471.6	11.7 e

Homocystein

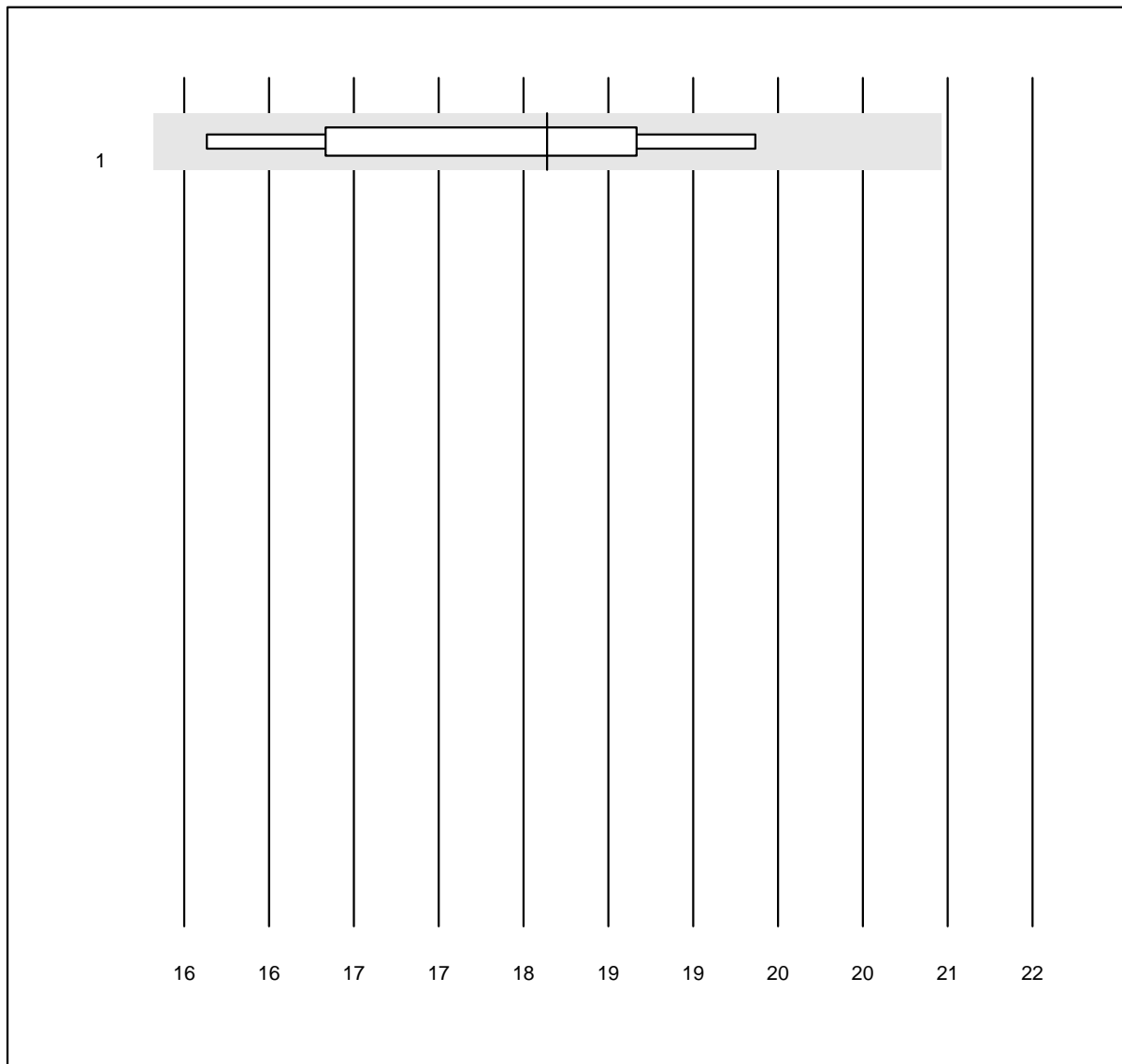


MQ Toleranz: 30%

Homocystein (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	16.4	16.4	e*
2 Roche	14	92.9	0.0	7.1	28.2	4.2	e

Bicarbonat



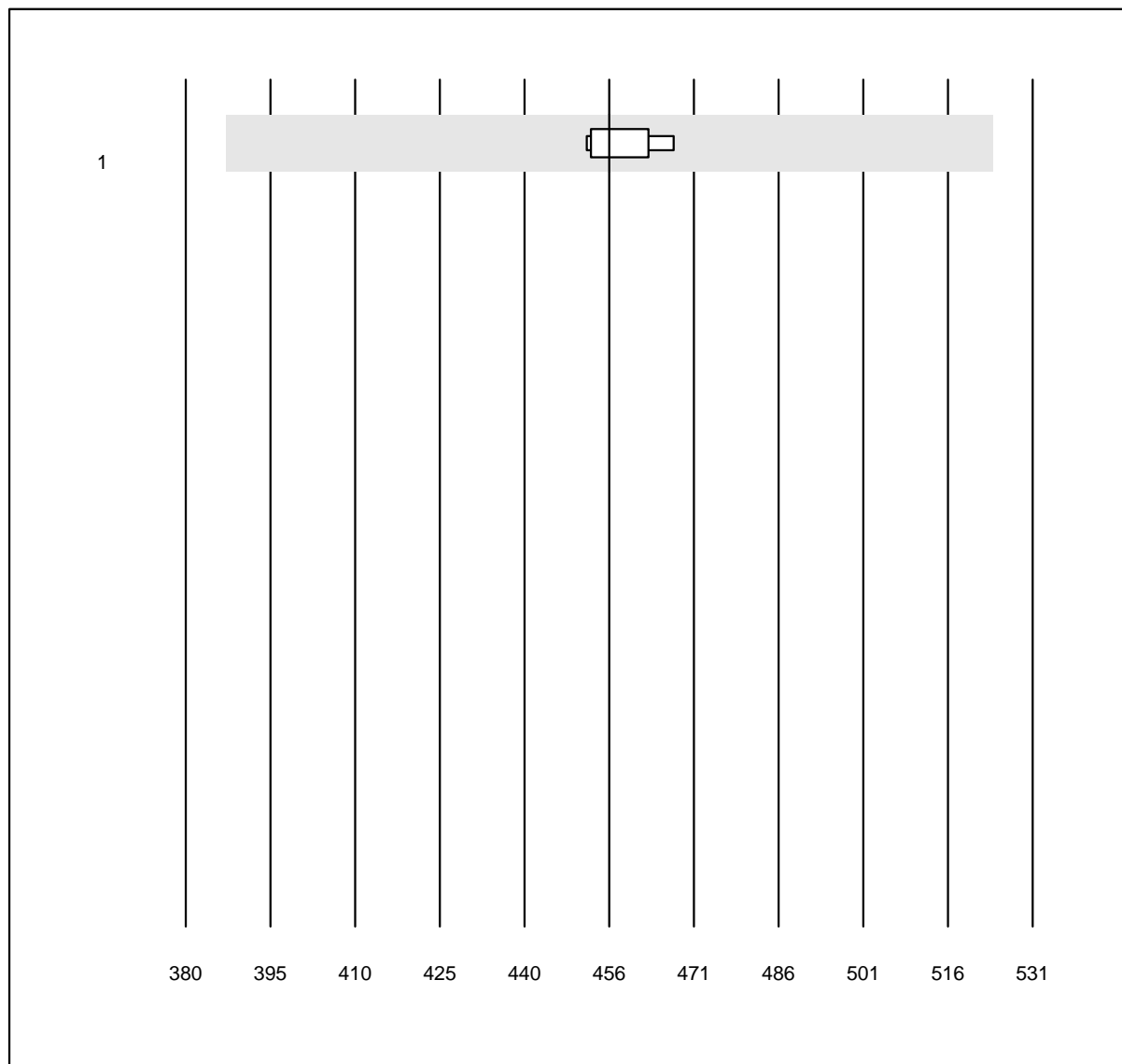
MQ Toleranz: 15%

Bicarbonat (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	7	100.0	0.0	0.0	18.6	7.0	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Fructosamine



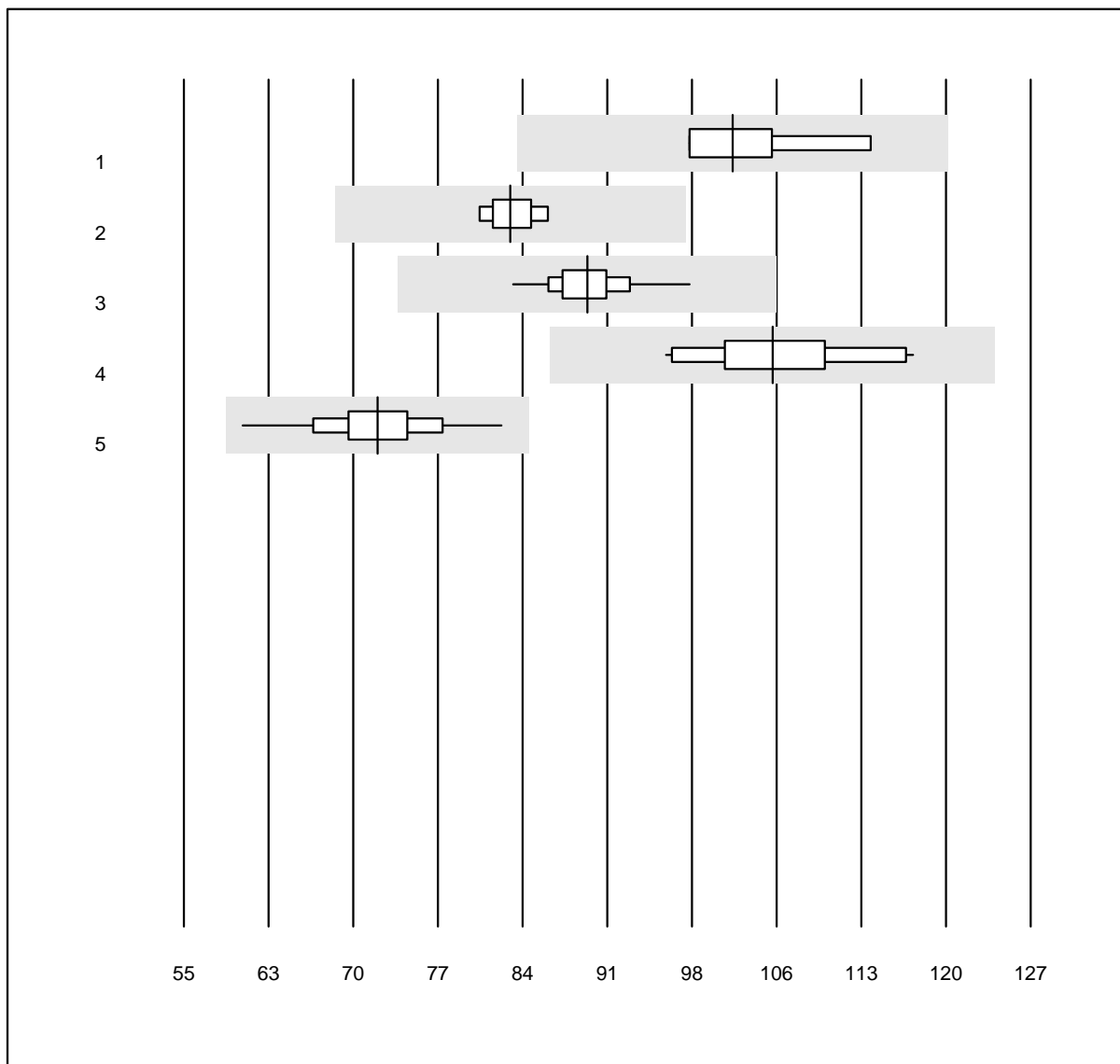
MQ Toleranz: 15%

Fructosamine (µmol/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Standard chemistry	4	100.0	0.0	0.0	456	1.2	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Lipase



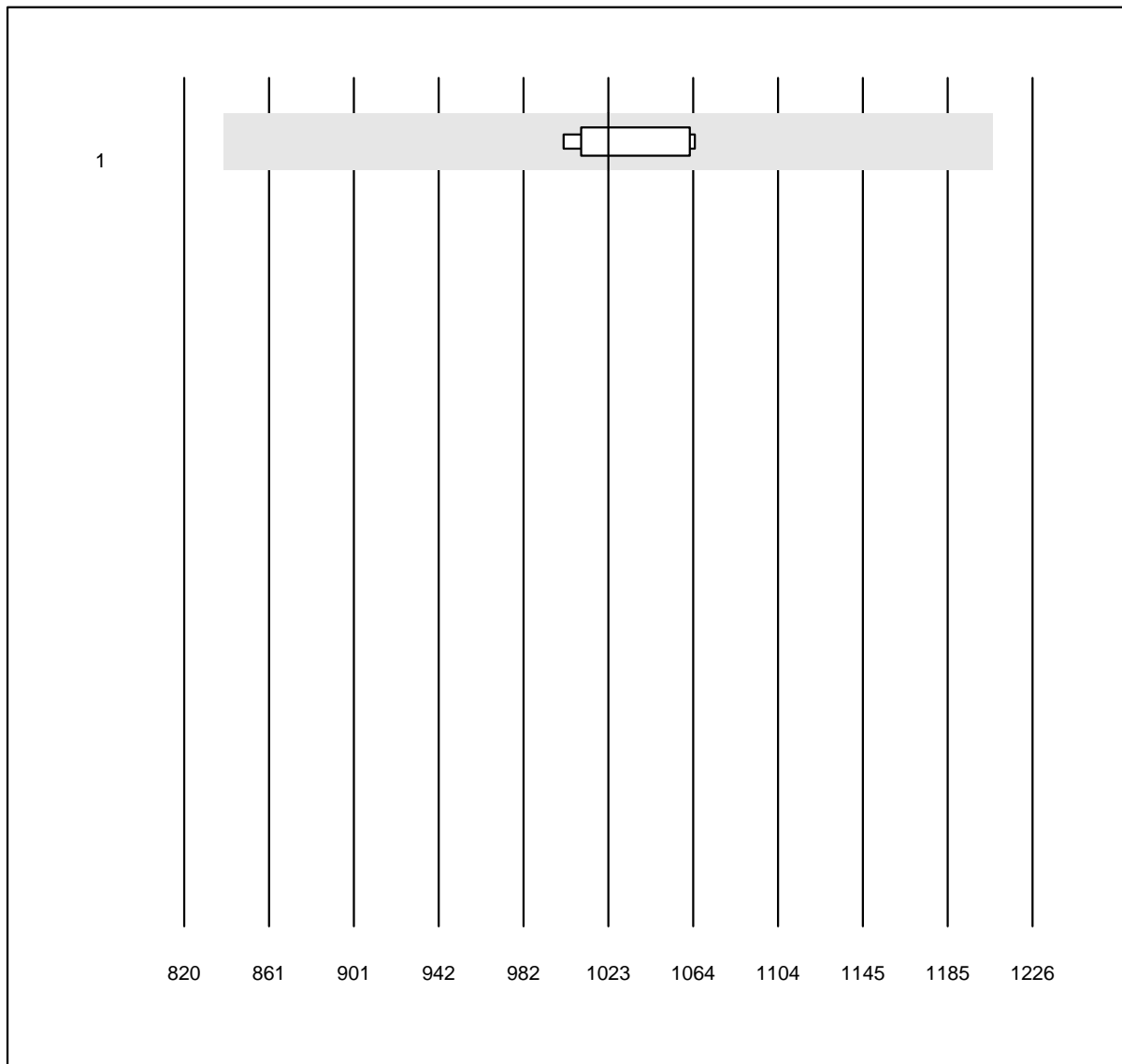
QUALAB Toleranz: 18%

Lipase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	101.7	4.9	e
2 Beckman	4	100.0	0.0	0.0	82.8	2.1	e
3 Roche	40	100.0	0.0	0.0	89.3	3.3	e
4 Siemens	10	100.0	0.0	0.0	105.1	5.8	e
5 Fuji Dri-Chem	126	96.8	0.0	3.2	71.5	5.9	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Lipase Vitros

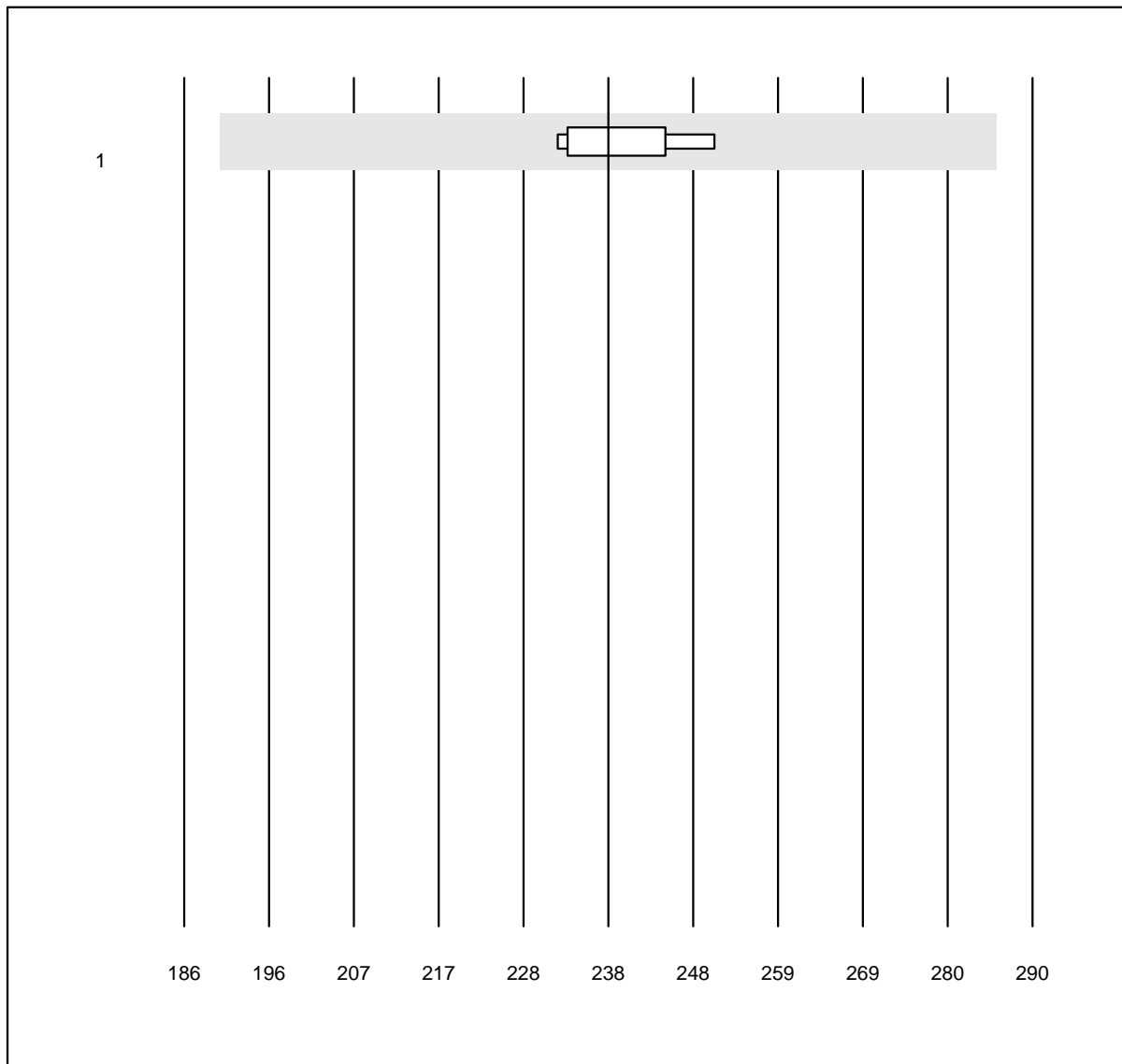


QUALAB Toleranz: 18%

Lipase Vitros (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Vitros	7	100.0	0.0	0.0	1023.0	2.4	e

Albumine CSF



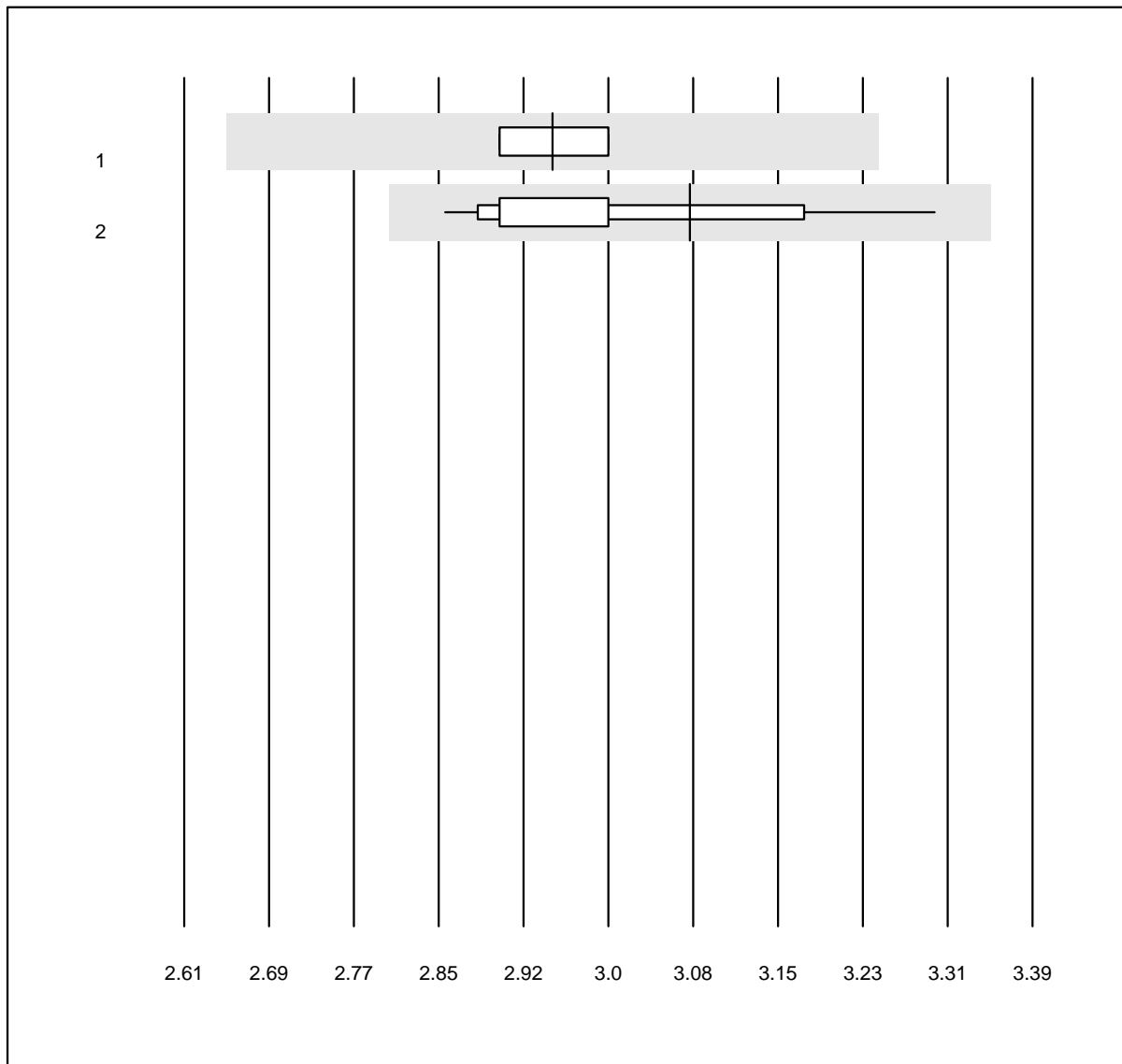
MQ Toleranz: 20%

Albumine CSF (mg/l)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	7	100.0	0.0	0.0	238.00	3.0	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Glucose CSF

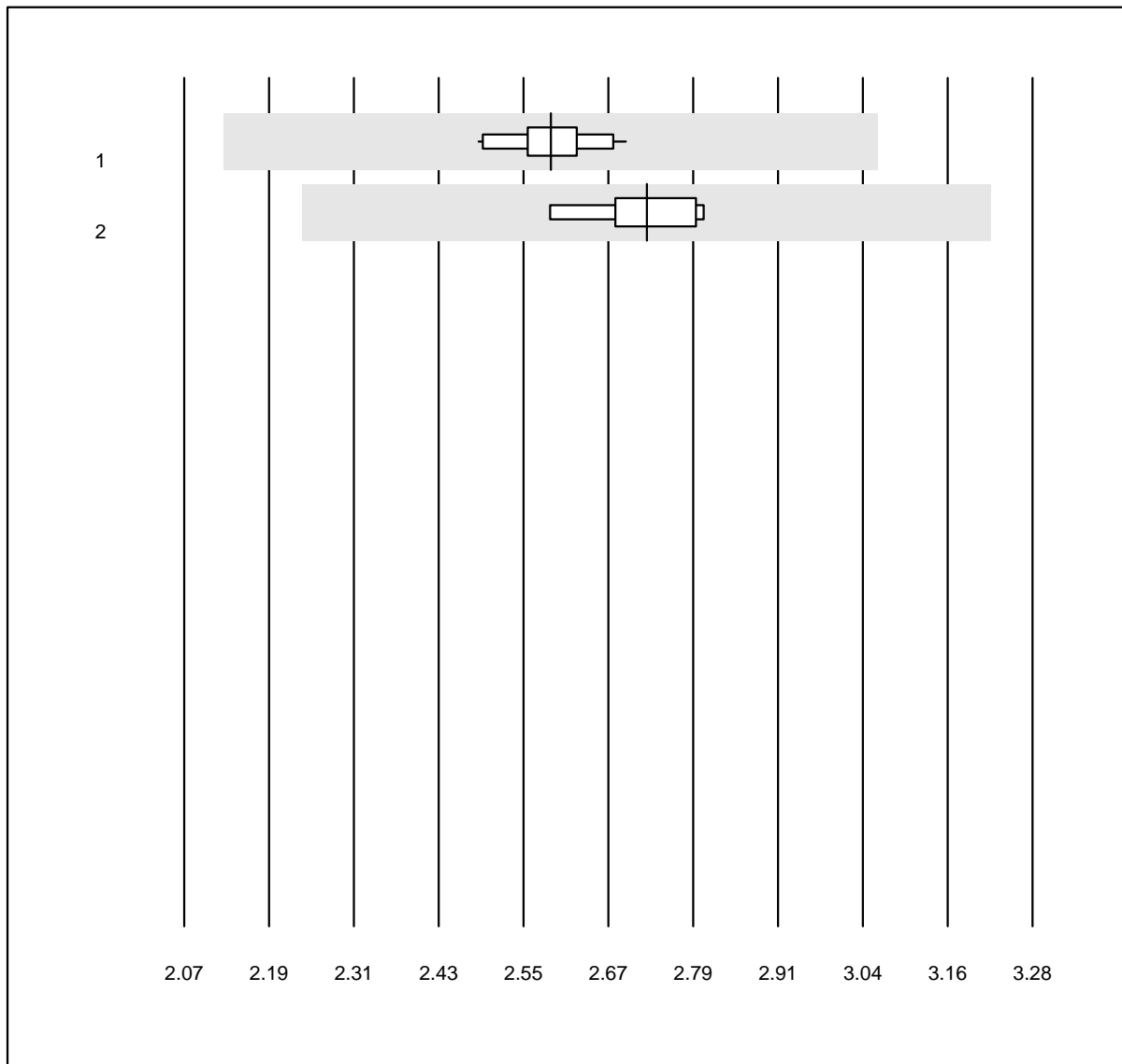


QUALAB Toleranz: 9%
(< 3.3: +/- 0.3 mmol/l)

Glucose CSF (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	23	100.0	0.0	0.0	2.95	1.4	e
2 Other methods	15	100.0	0.0	0.0	3.08	3.8	a

Lactate CSF



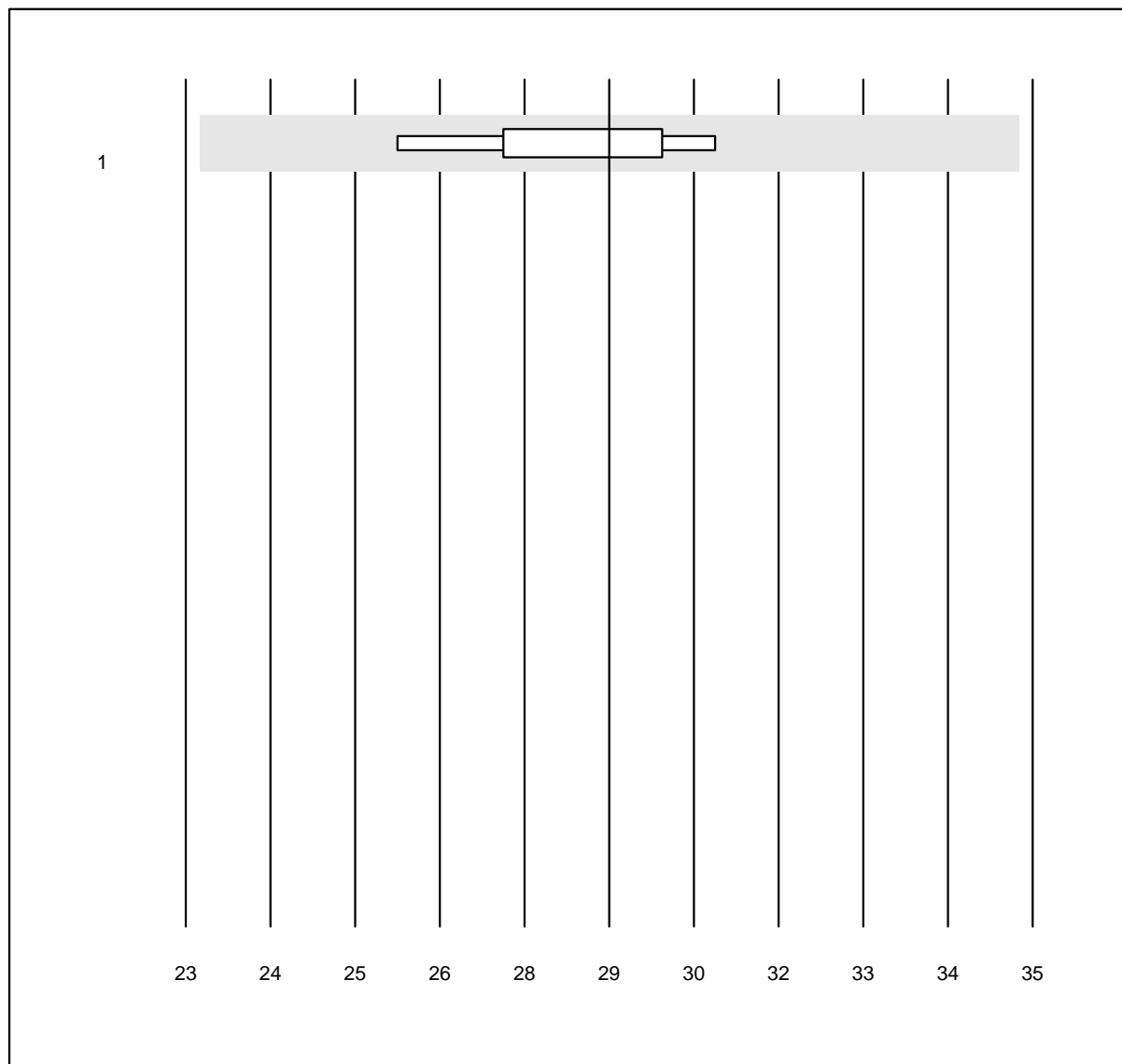
QUALAB Toleranz: 18%

Lactate CSF (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	2.59	2.4	e
2 Other methods	8	100.0	0.0	0.0	2.73	2.7	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

LDH CSF

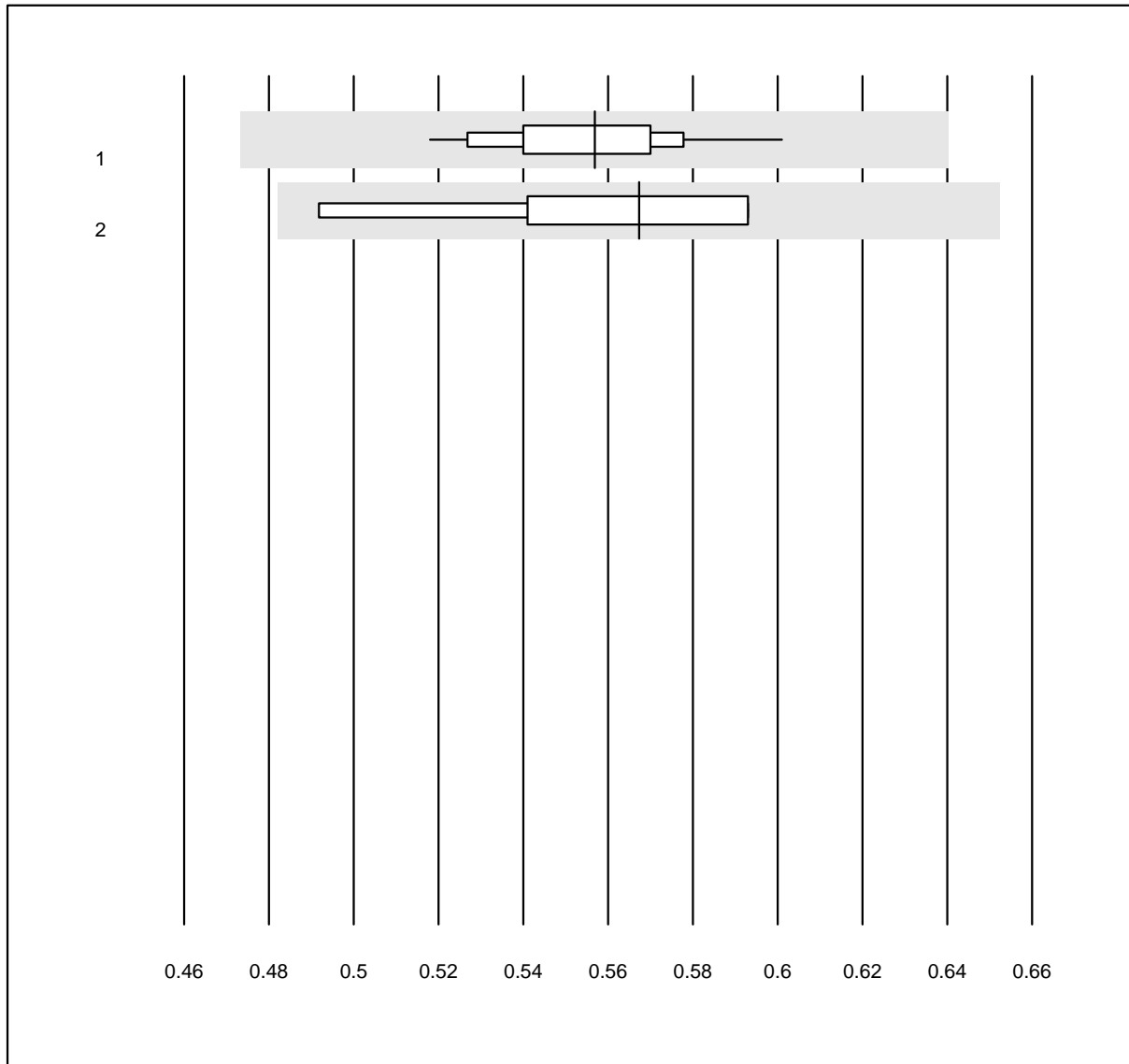


MQ Toleranz: 20%

LDH CSF (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	4	100.0	0.0	0.0	29	4.4	e

Protein CSF



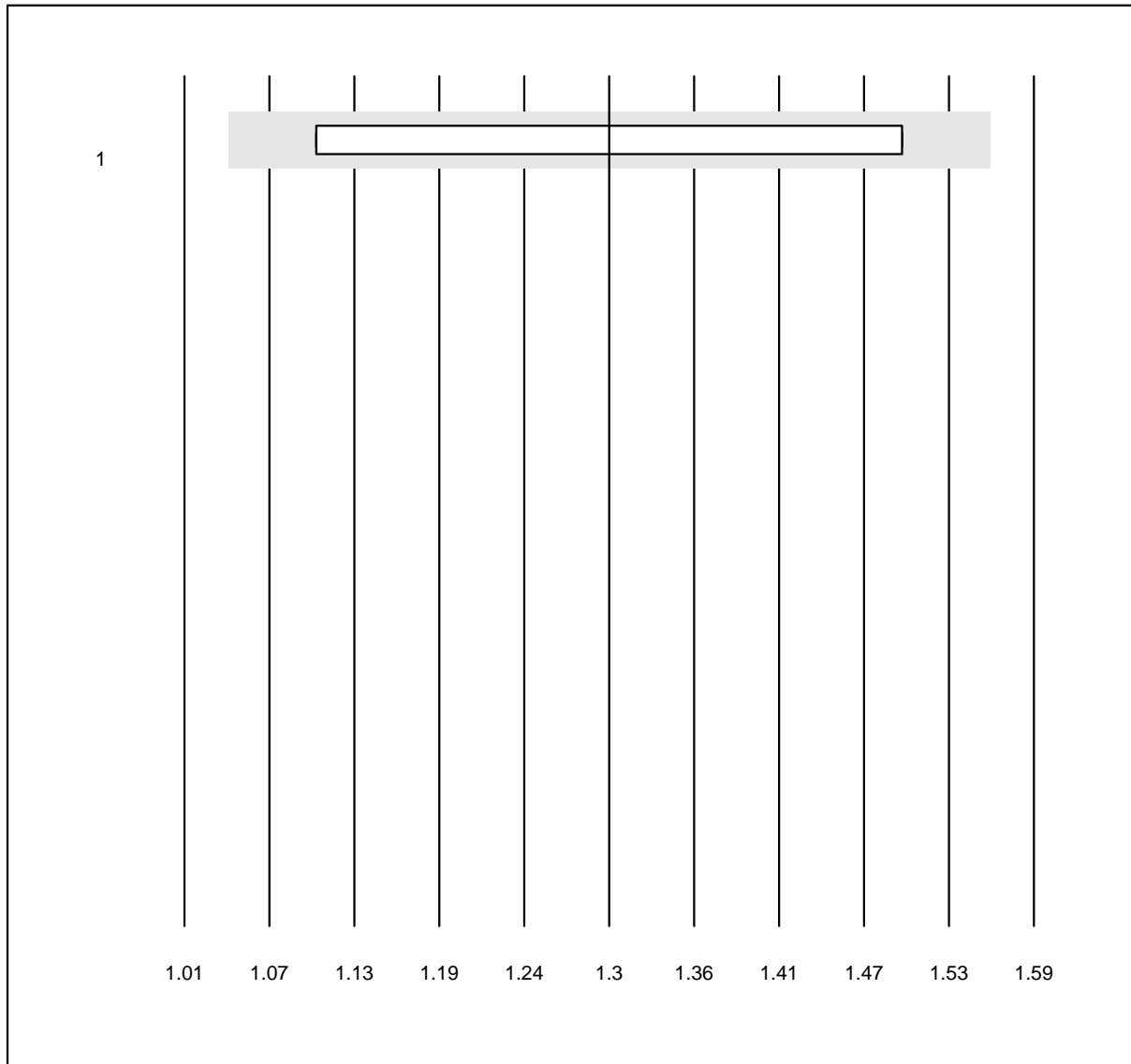
QUALAB Toleranz: 15%

Protein CSF (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	27	100.0	0.0	0.0	0.56	3.5	e
2 Other methods	7	100.0	0.0	0.0	0.57	6.2	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

CDT



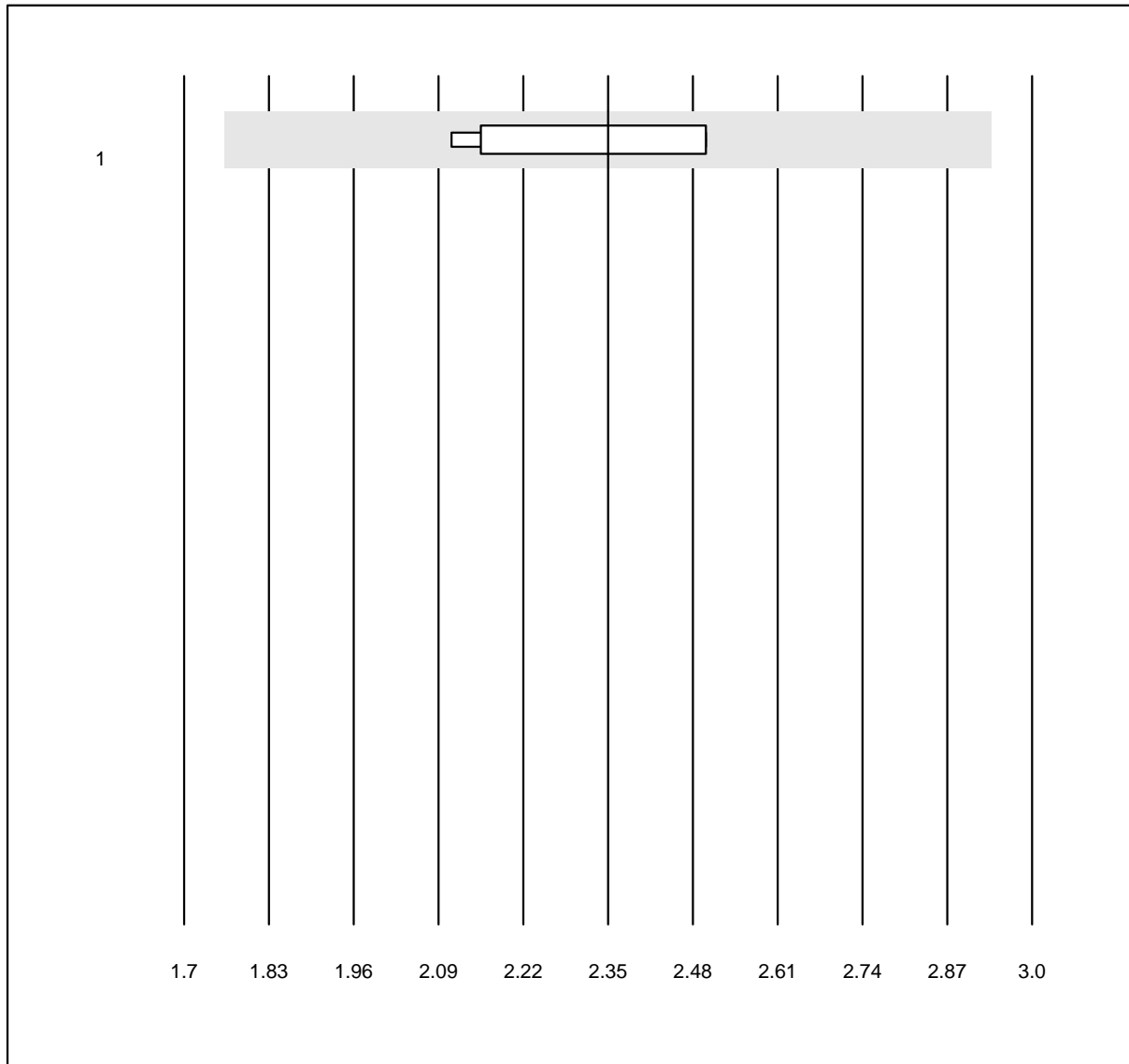
MQ Toleranz: 20%

CDT (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	1.3	15.5	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Everolimus

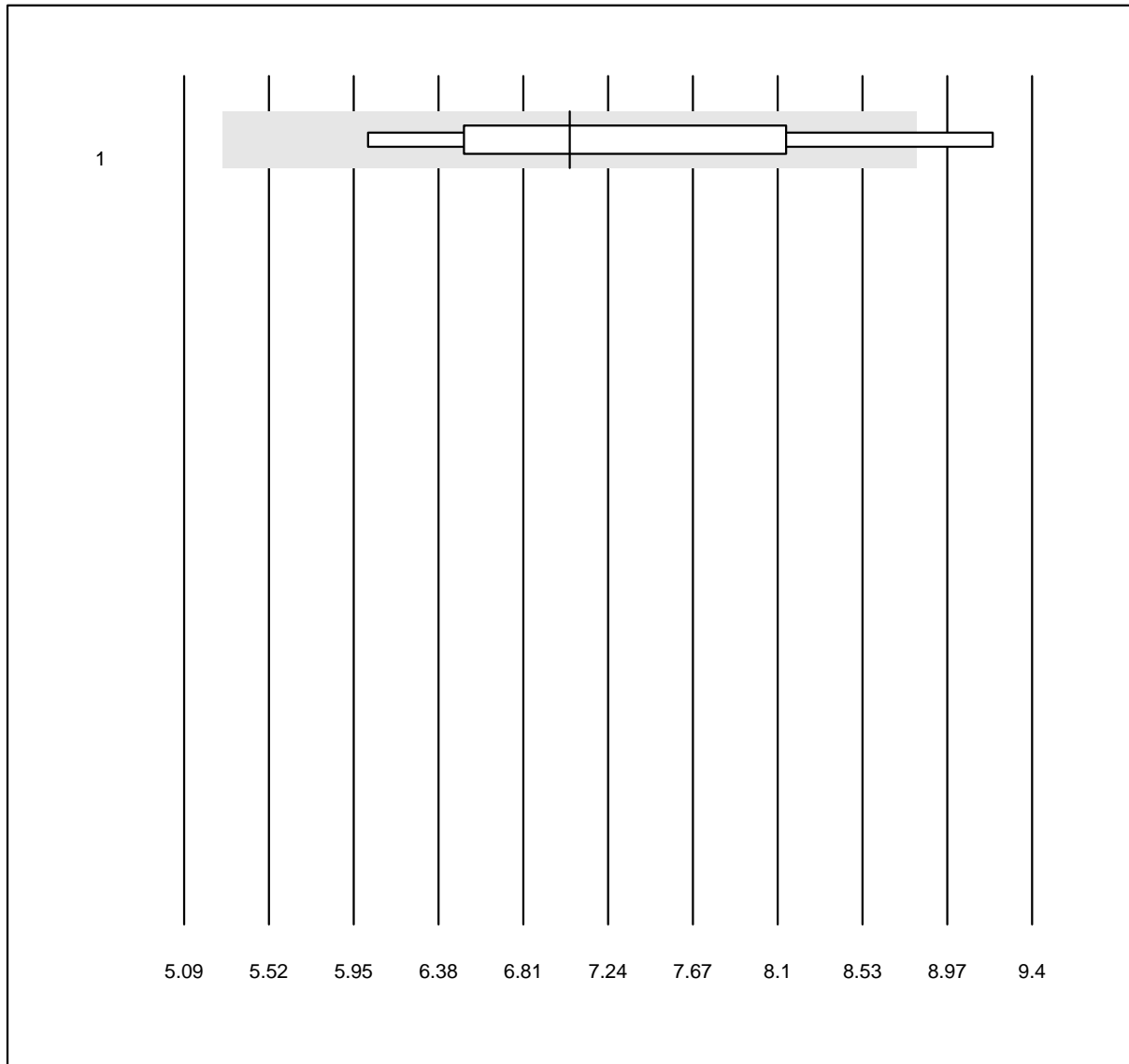


MQ Toleranz: 25%

Everolimus (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	4	100.0	0.0	0.0	2.4	8.2	e*

Sirolimus

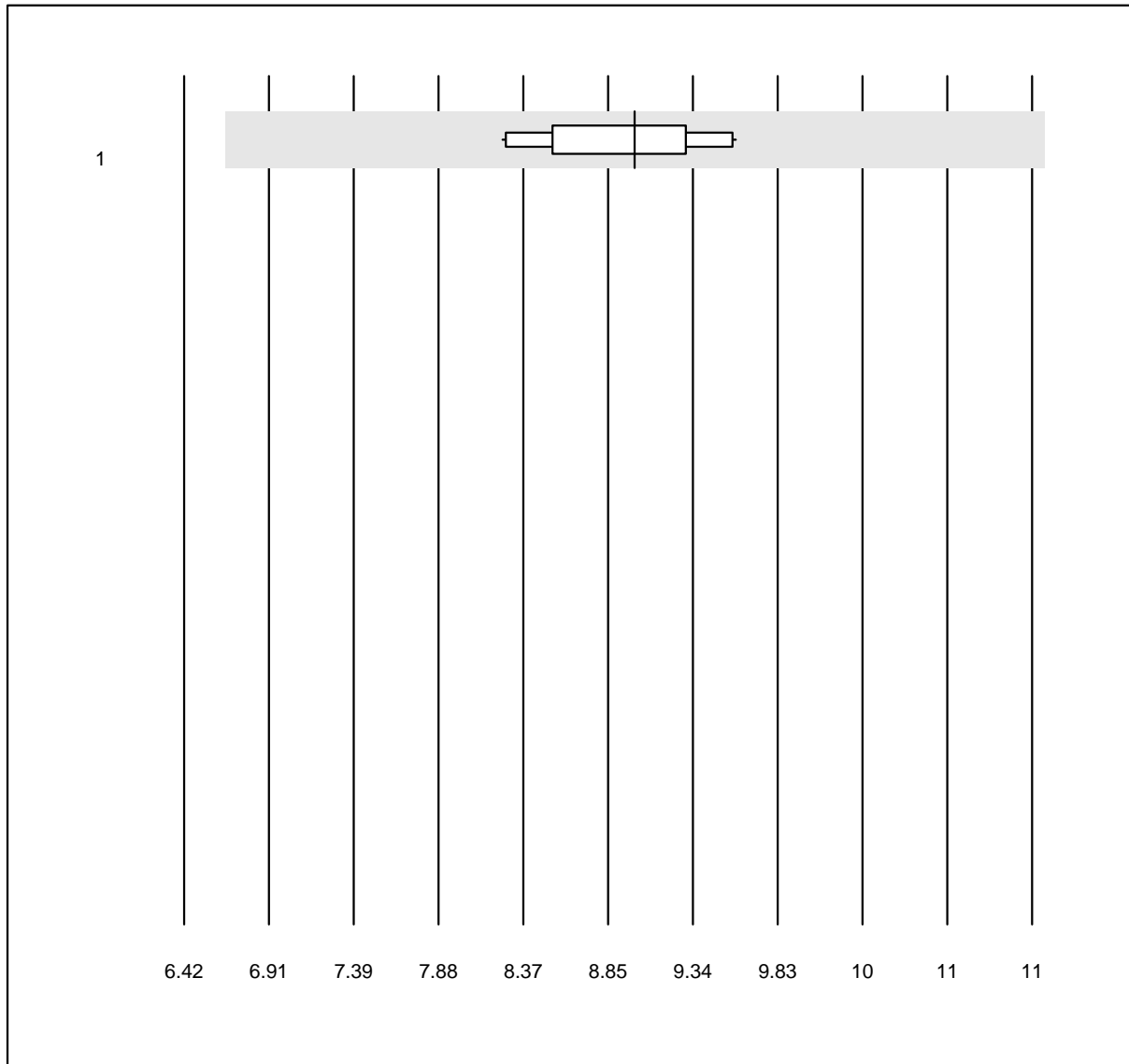


MQ Toleranz: 25%

Sirolimus (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 all Participants	4	100.0	0.0	0.0	7.0	12.5 e*

Tacrolimus

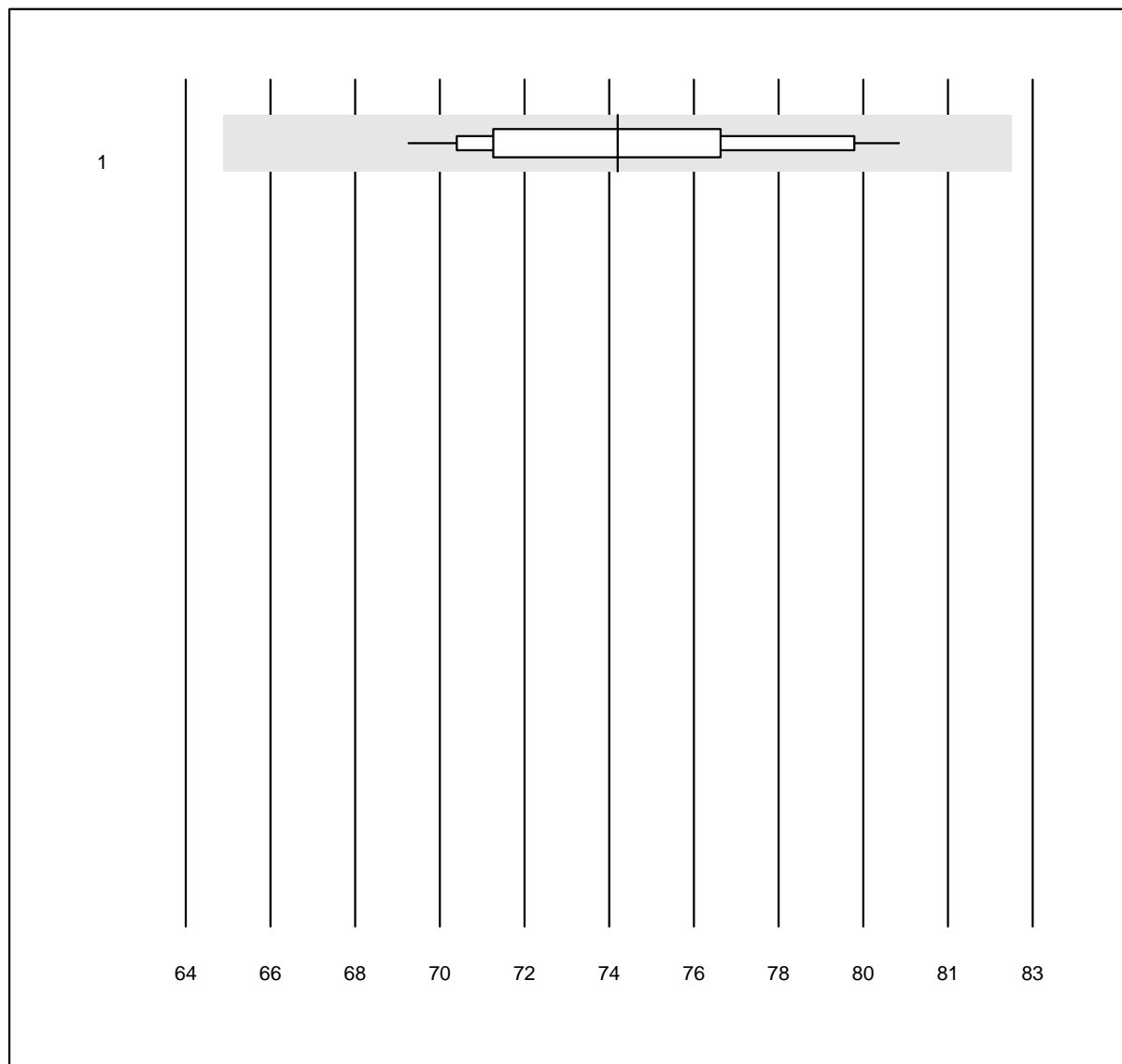


MQ Toleranz: 25%

Tacrolimus (µg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	10	100.0	0.0	0.0	8.9	4.7	e

Totalprotein E

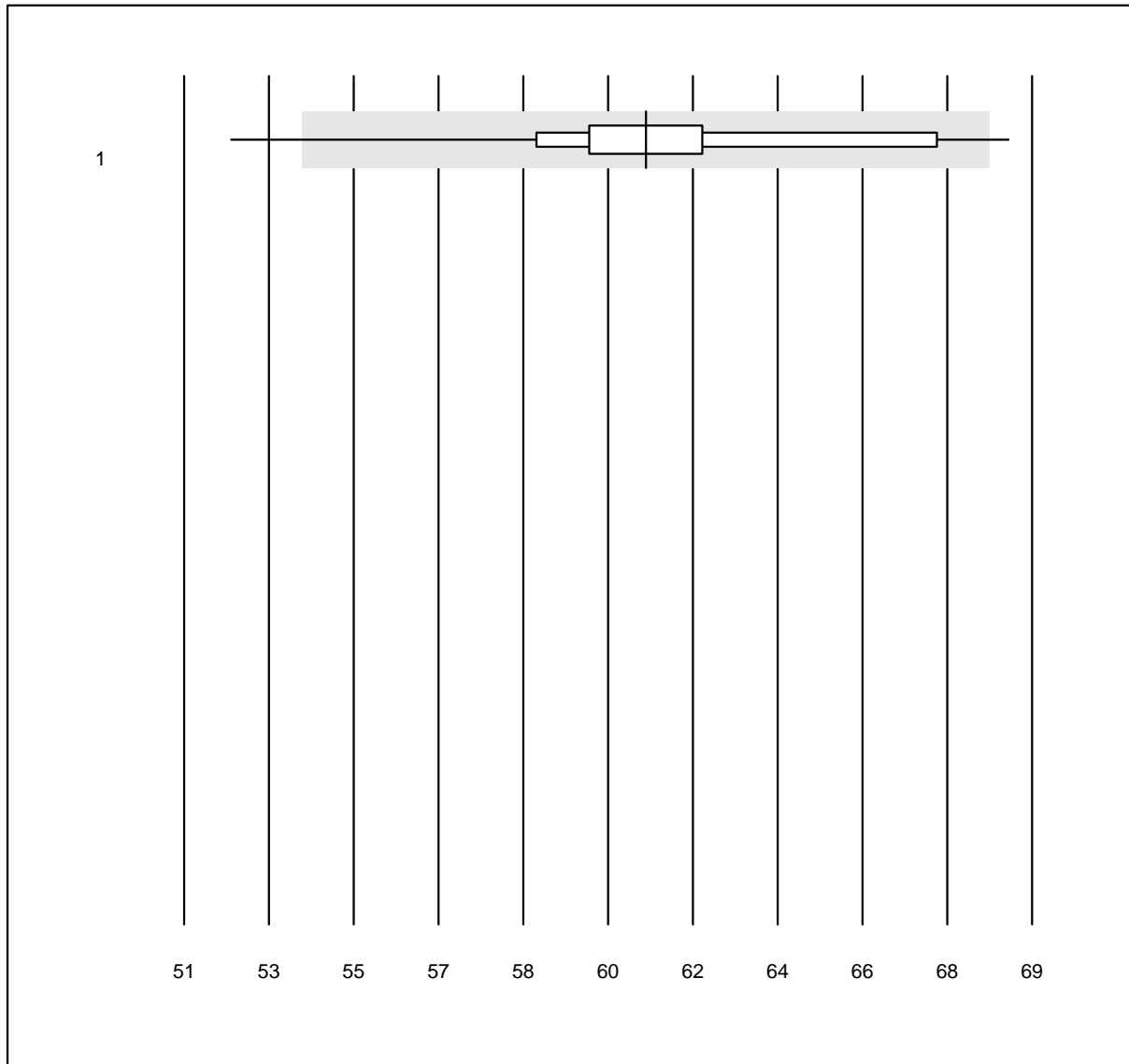


MQ Toleranz: 12%

Totalprotein E (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	21	100.0	0.0	0.0	73.7	4.5	e

Albumin E

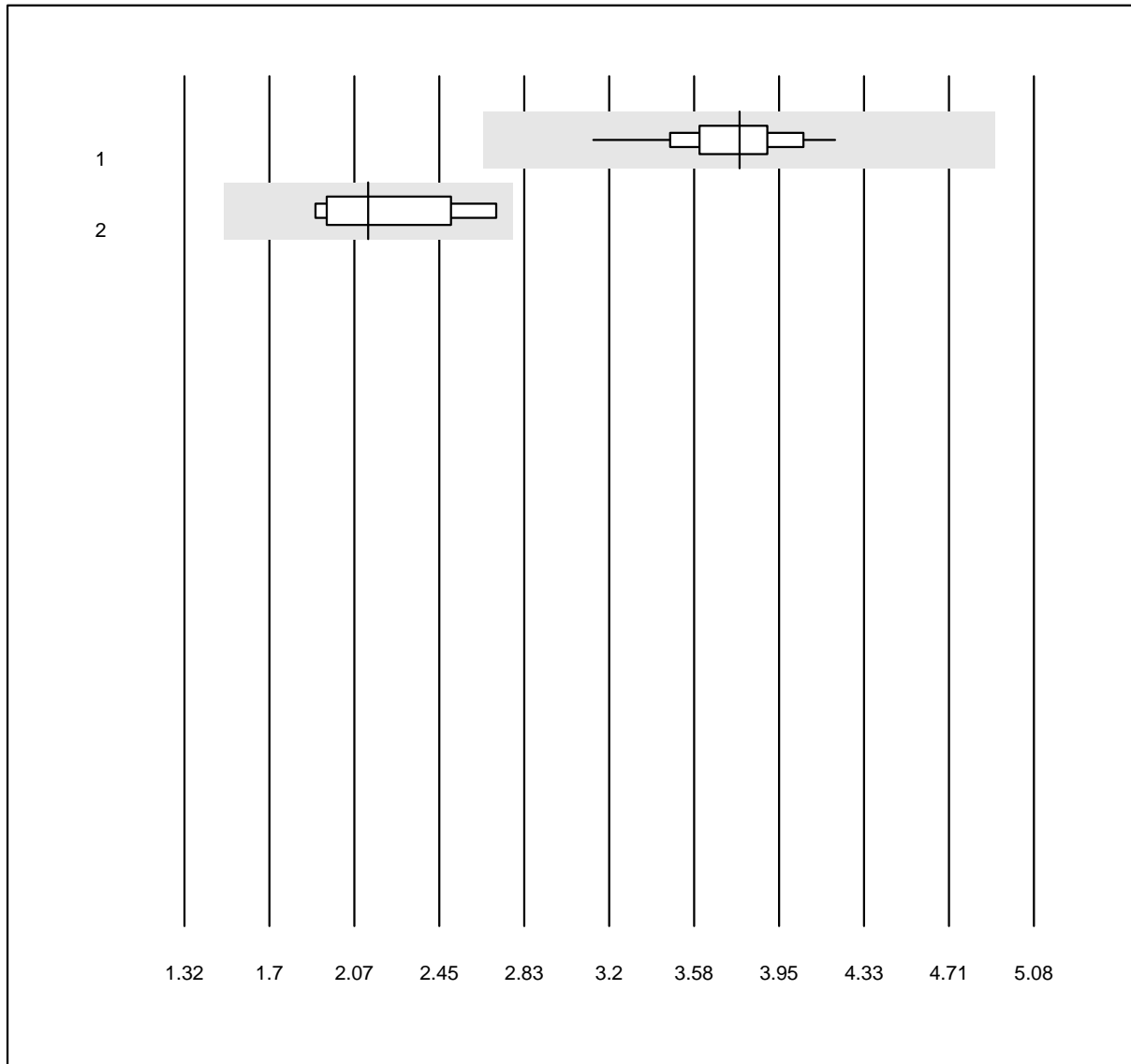


MQ Toleranz: 12%

Albumin E (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	35	94.3	5.7	0.0	60.8	5.2	e

alpha-1-Globuline

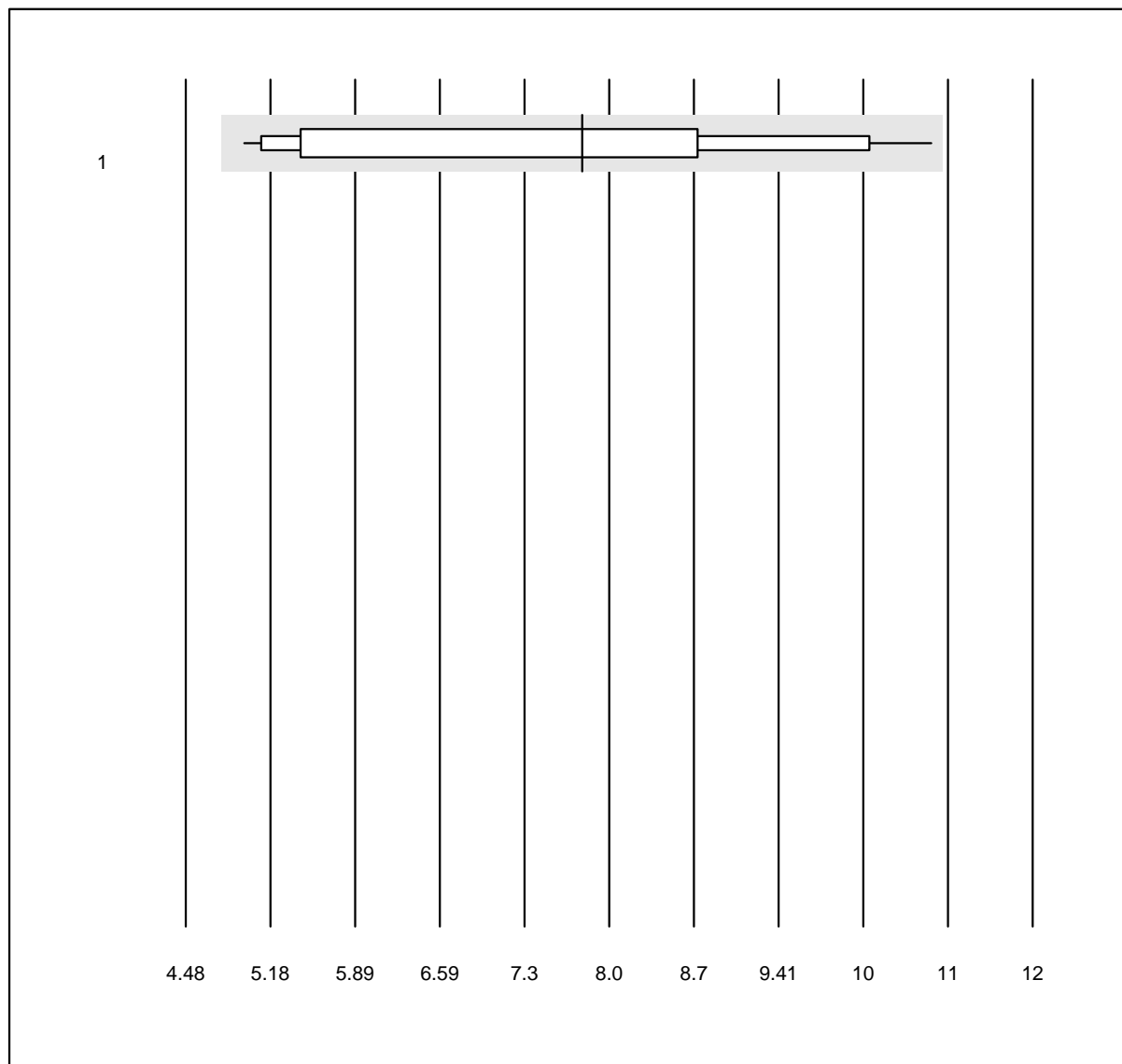


MQ Toleranz: 30%

alpha-1-Globuline (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 capillary electrophoresis	26	100.0	0.0	0.0	3.8	6.1	e
2 Electrophoresis	9	100.0	0.0	0.0	2.1	13.8	e*

alpha-2-Globuline

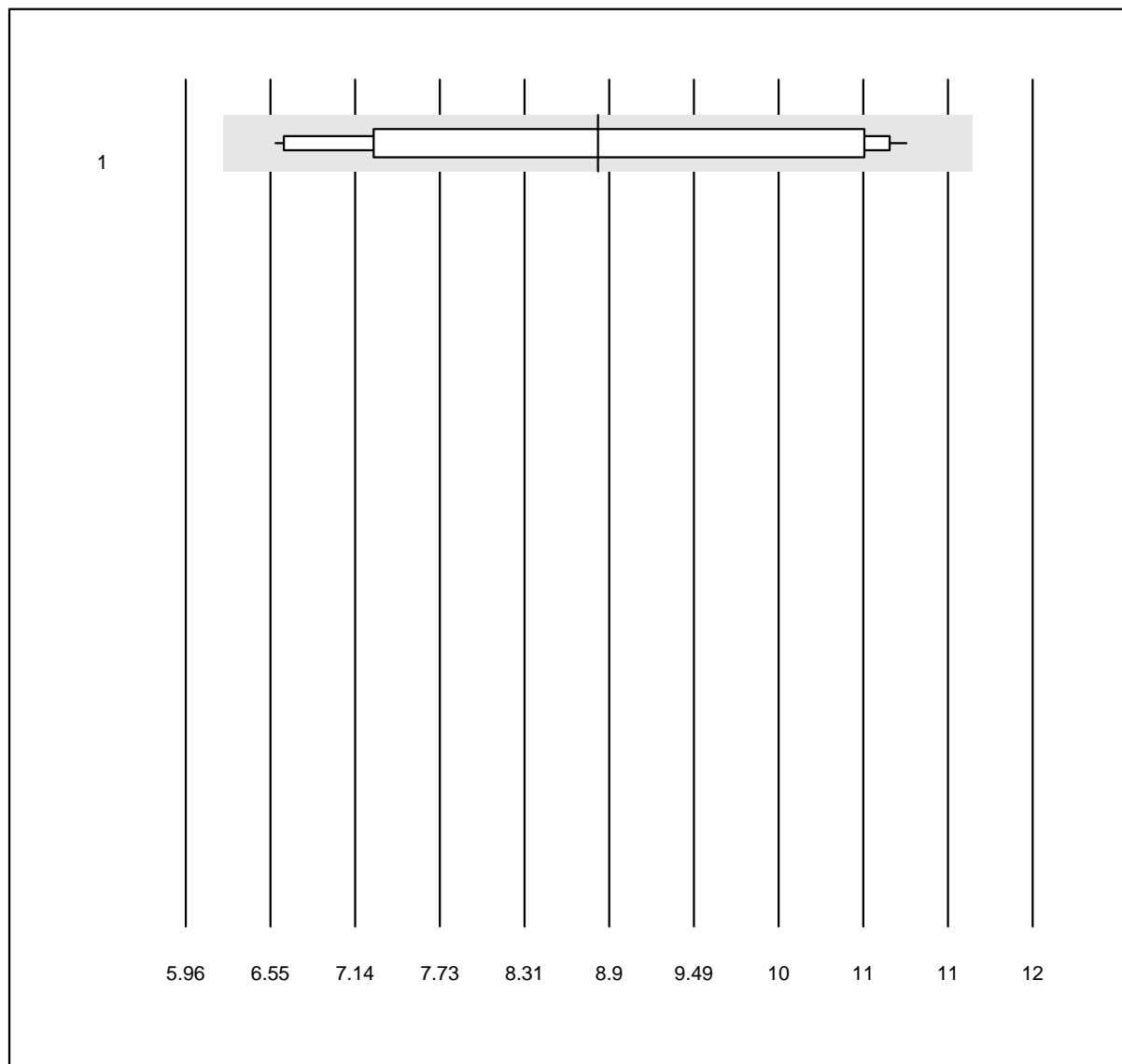


MQ Toleranz: 30%

alpha-2-Globuline (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	35	97.1	0.0	2.9	8.0	27.1	a

beta-Globuline

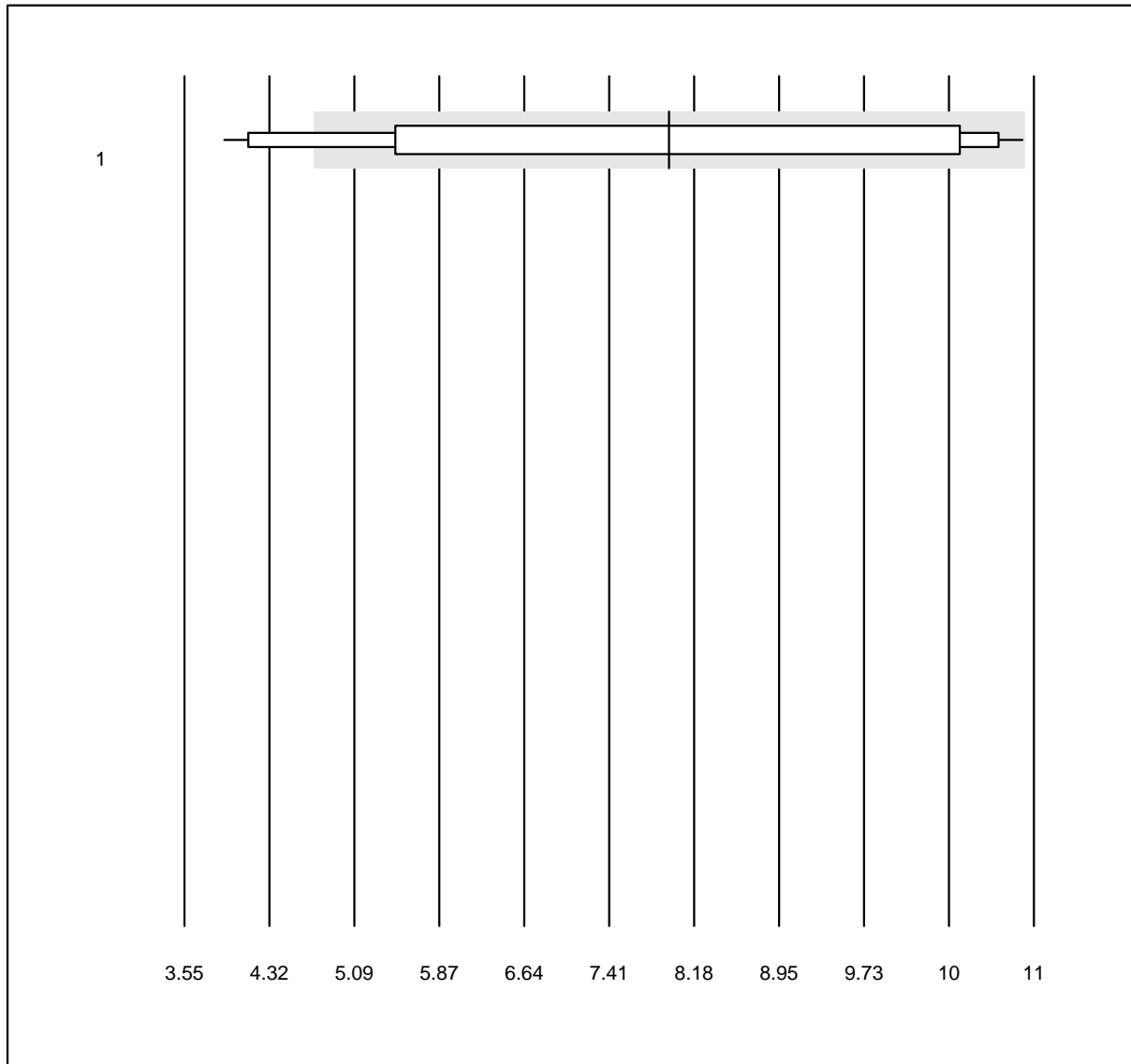


MQ Toleranz: 30%

beta-Globuline (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	15	100.0	0.0	0.0	8.9	20.0	a*

Beta-1-Globulin

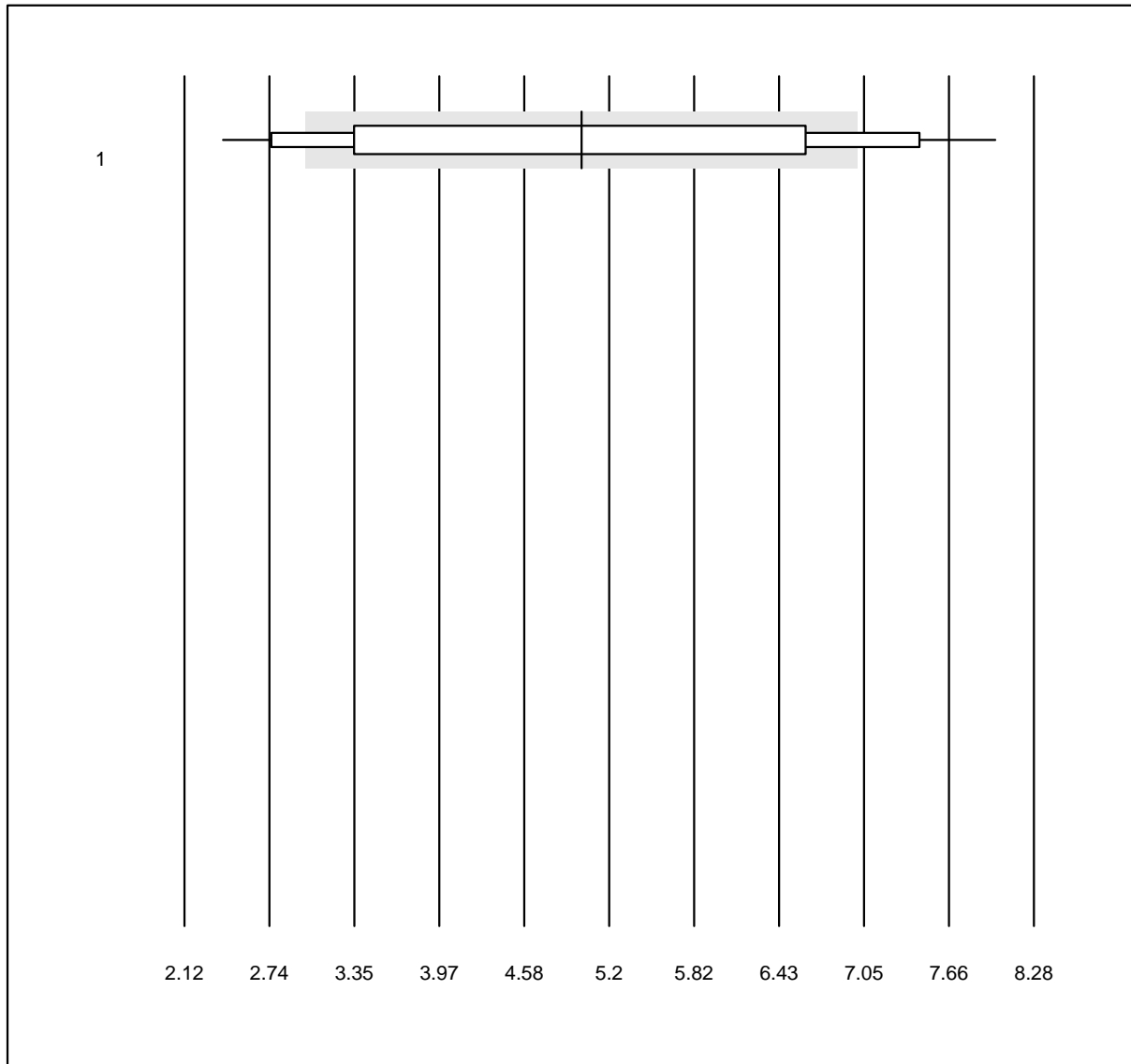


MQ Toleranz: 30%

Beta-1-Globulin (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	16	81.2	18.8	0.0	7.8	32.1	a*

Beta-2-Globulin

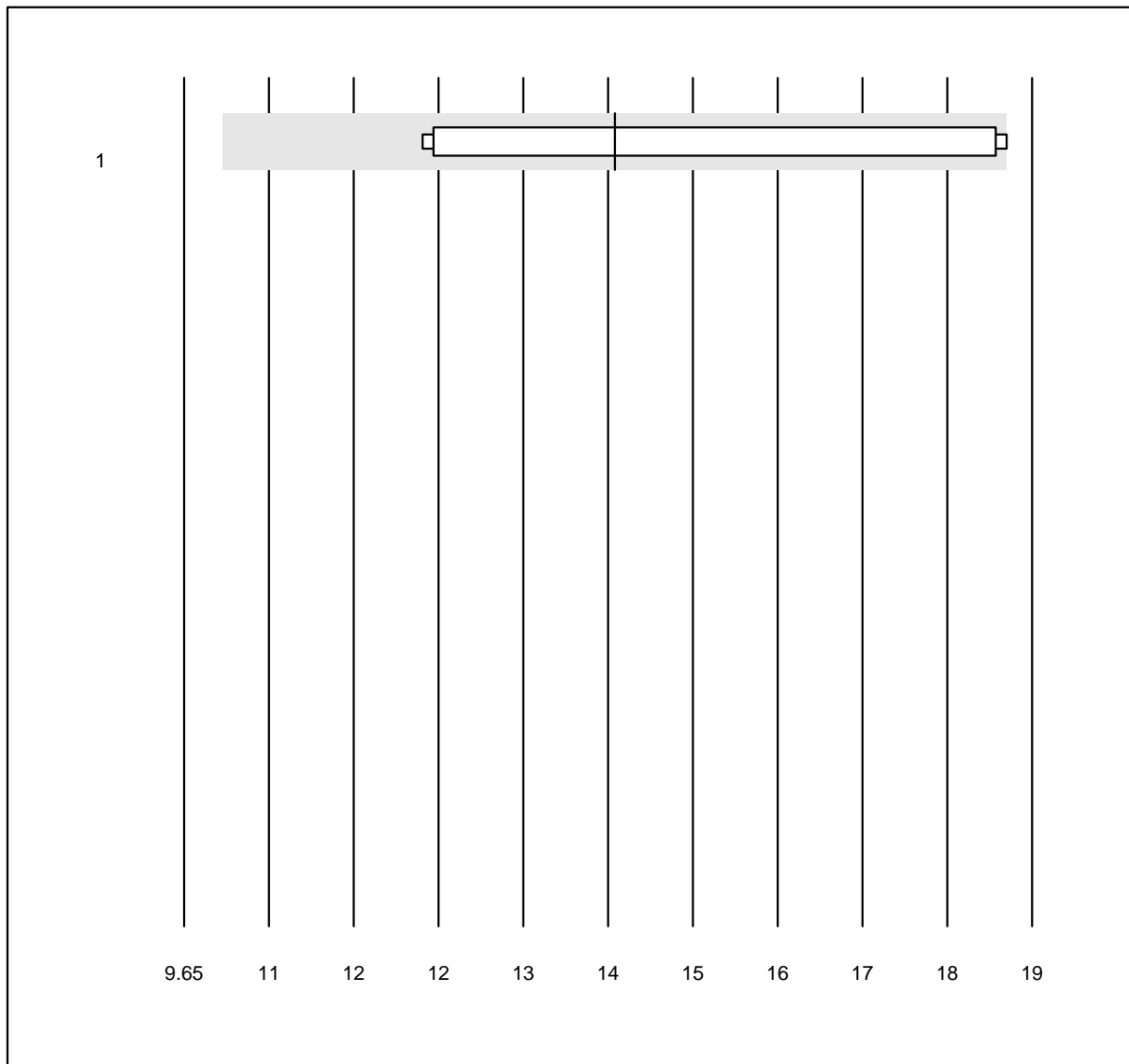


MQ Toleranz: 30%

Beta-2-Globulin (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	15	80.0	13.3	6.7	5.0	37.9	a*

Beta-Globuline+P

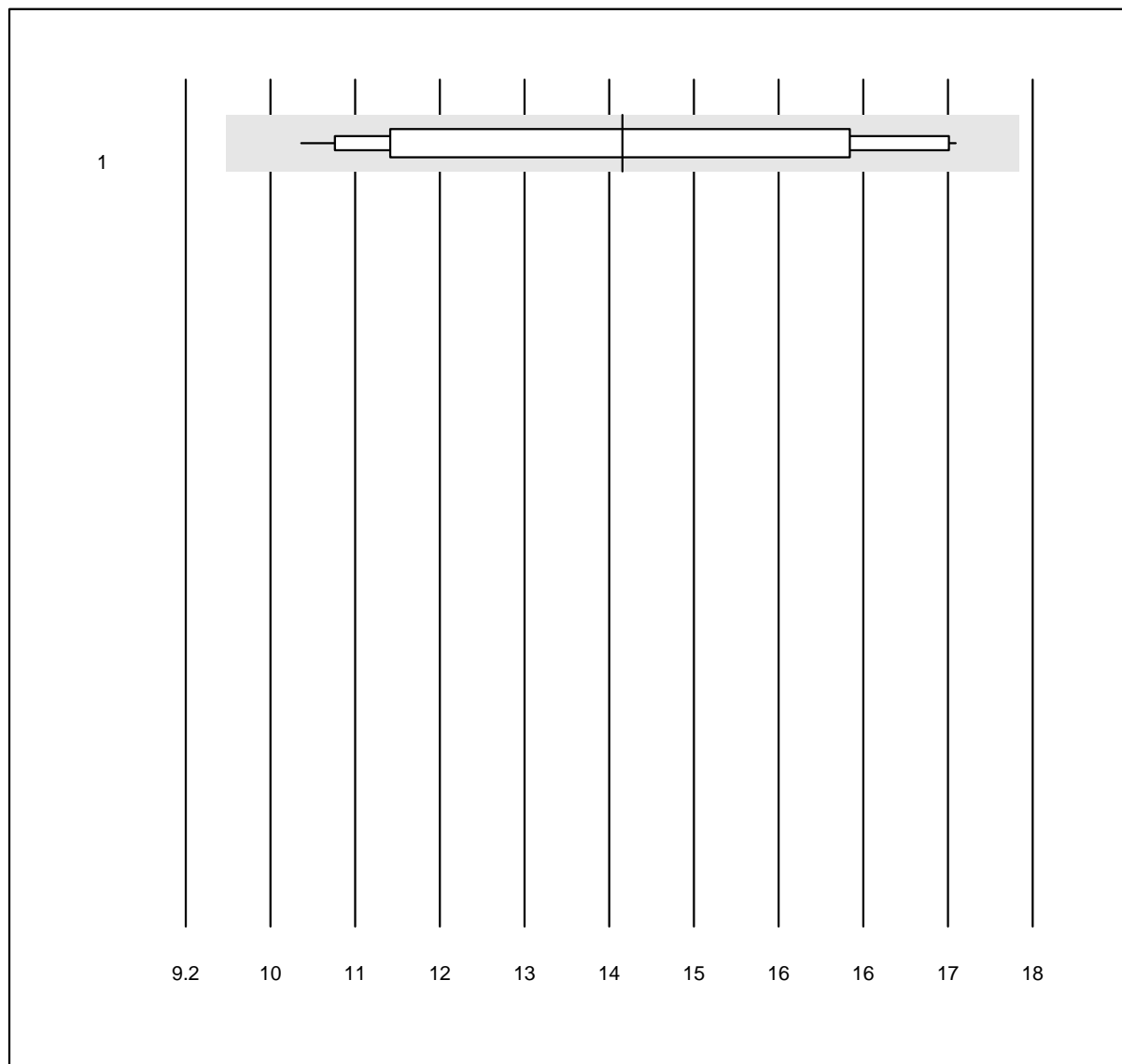


MQ Toleranz: 30%

Beta-Globuline+P (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 Electrophoresis	7	100.0	0.0	0.0	14	19.2 a*

gamma-Globuline

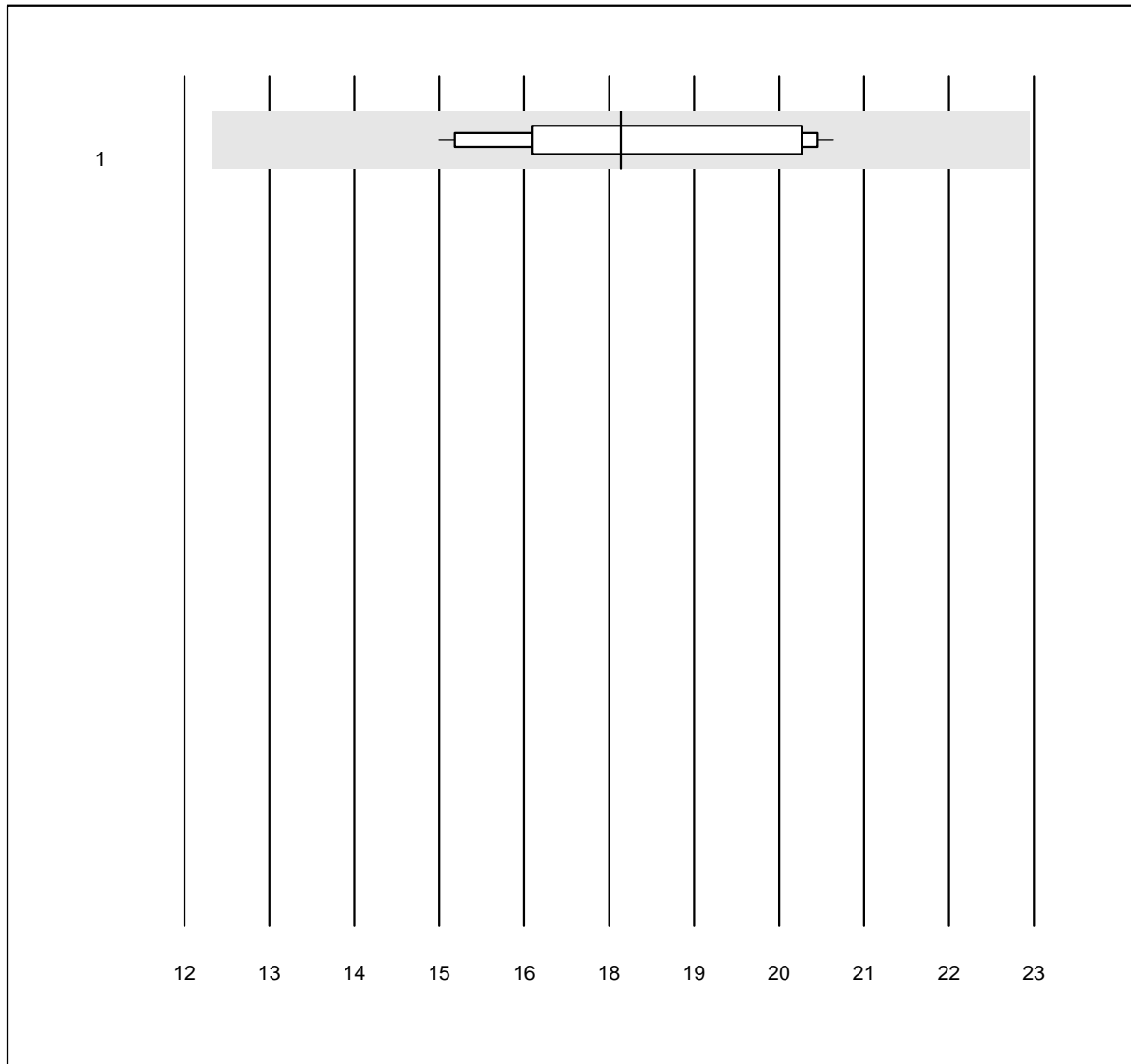


MQ Toleranz: 30%

gamma-Globuline (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 Electrophoresis	16	100.0	0.0	0.0	13.7	16.9 e*

Gamma-Globuline+P

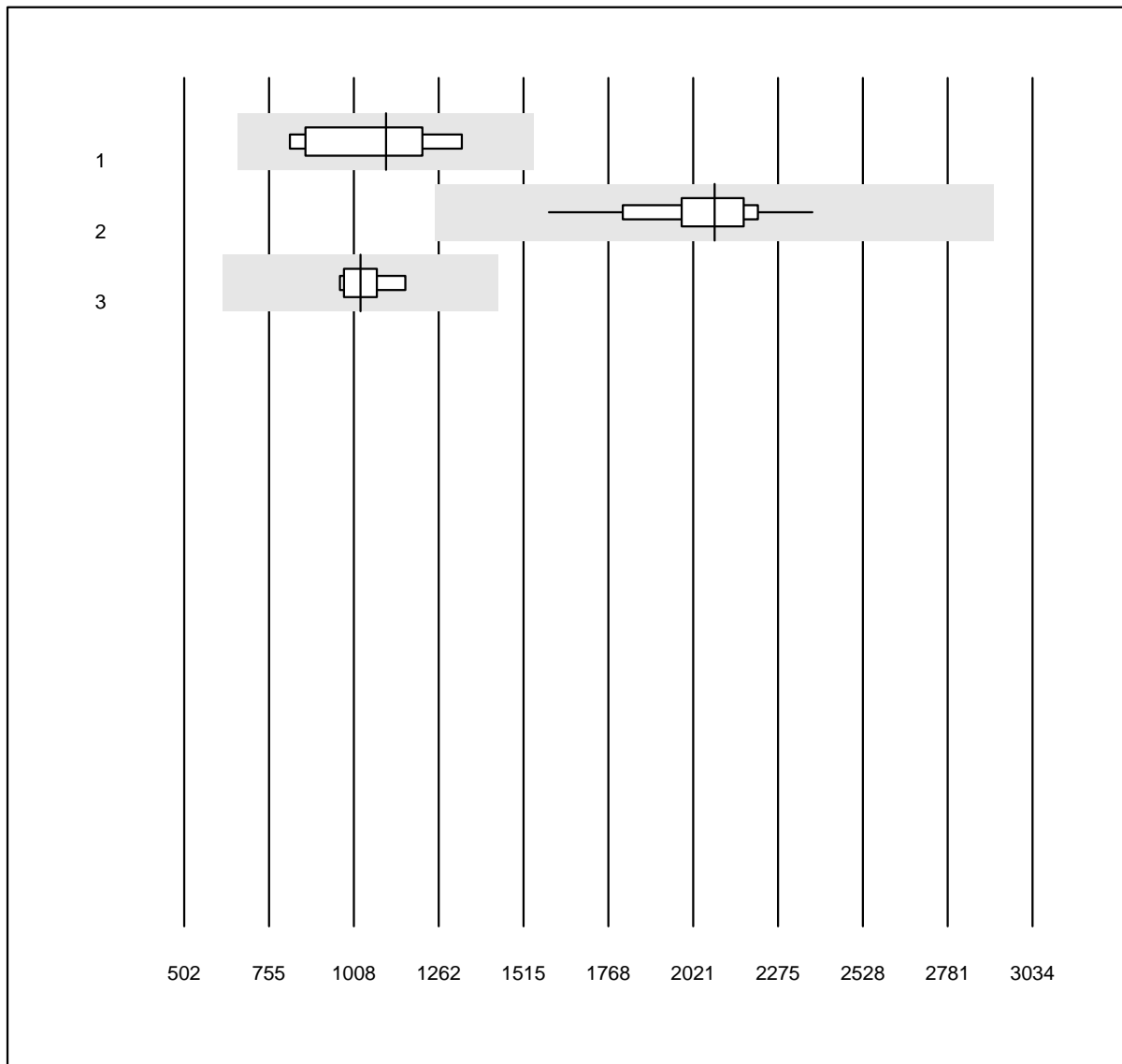


MQ Toleranz: 30%

Gamma-Globuline+P (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Electrophoresis	19	100.0	0.0	0.0	17.6	10.5	a

Folate in Erythrocytes



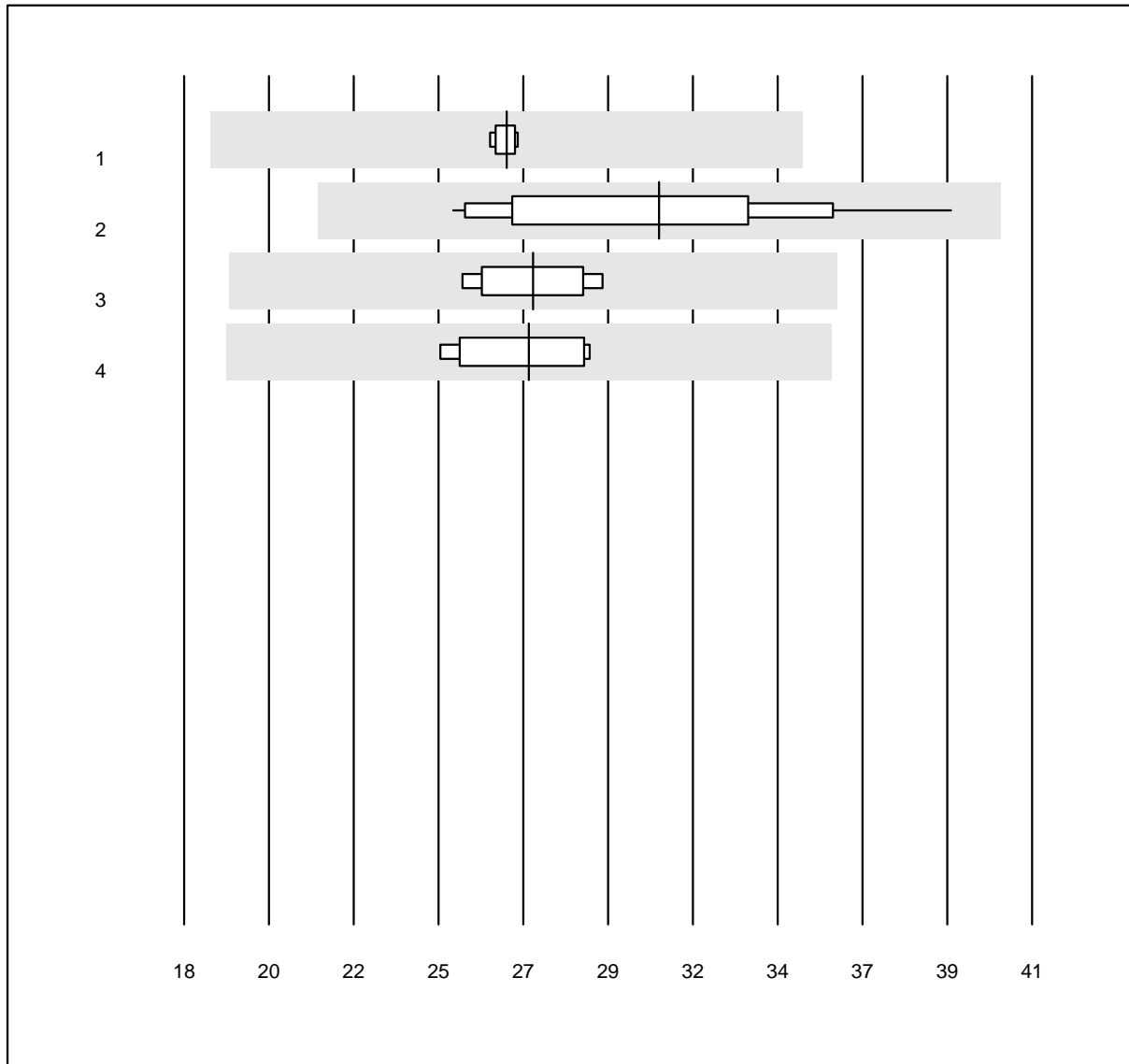
MQ Toleranz: 40%

Folate in Erythrocytes
(nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	6	100.0	0.0	0.0	1105	16.9	e*
2 Roche	28	96.4	0.0	3.6	2085	7.9	e
3 Siemens	7	100.0	0.0	0.0	1028	6.0	e

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Gallensäure

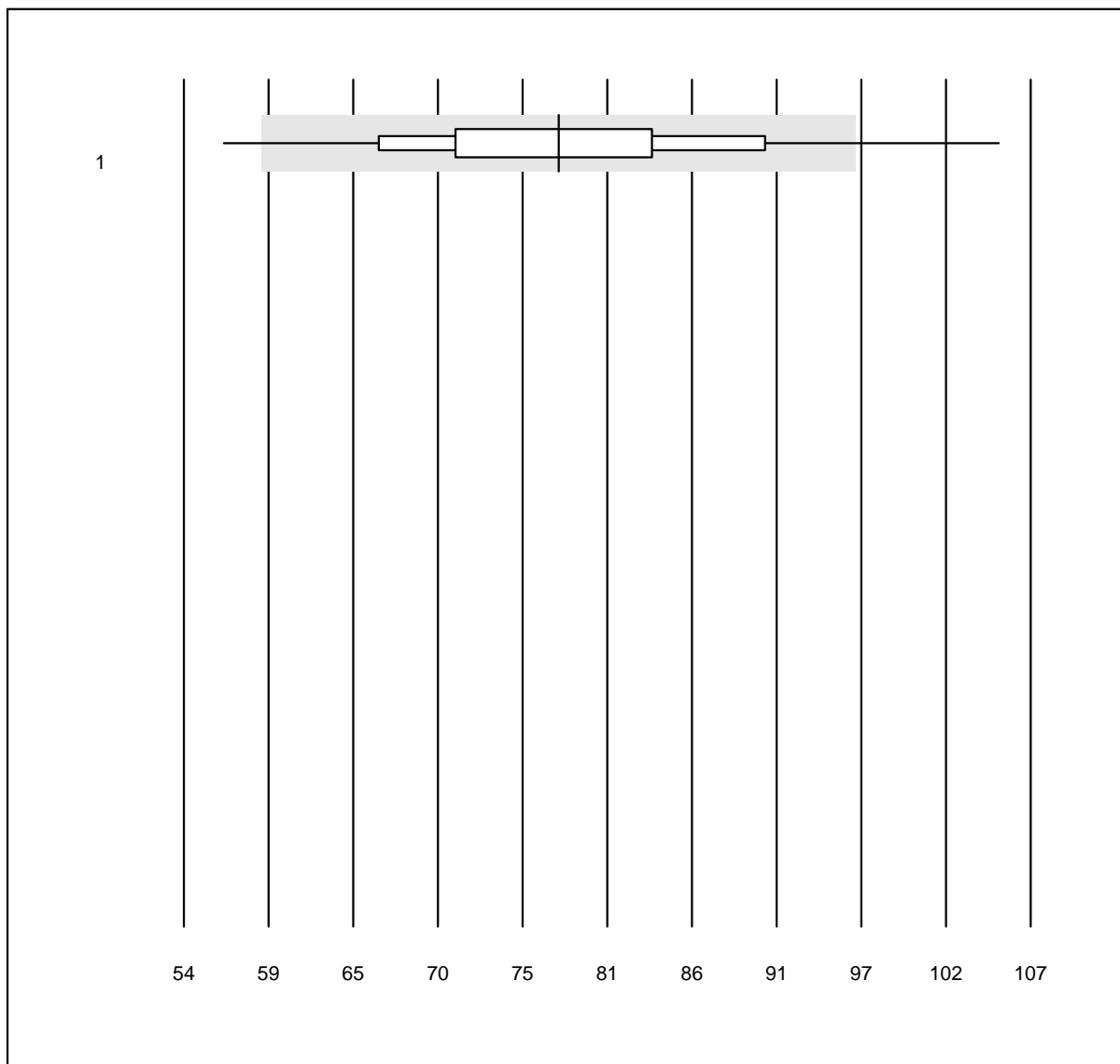


MQ Toleranz: 30%

Gallensäure (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	26.8	1.0	e
2 Roche	17	100.0	0.0	0.0	30.9	12.3	e
3 Siemens	6	100.0	0.0	0.0	27.5	5.2	e
4 Other methods	4	100.0	0.0	0.0	27.4	6.8	e

Troponin I Triage

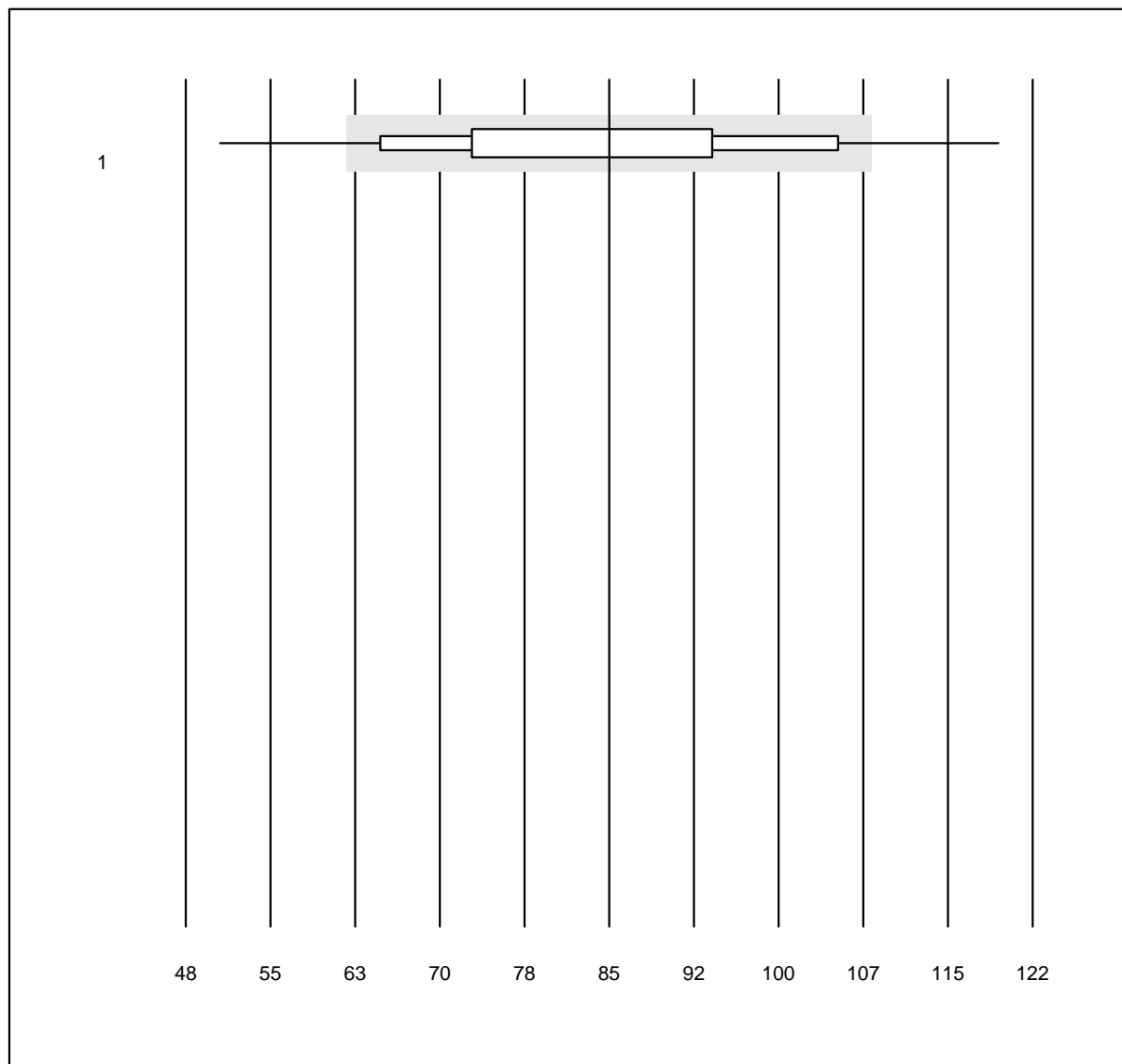


QUALAB Toleranz: 24%

Troponin I Triage (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Triage high sensitive	625	93.3	5.1	1.6	77.46	12.1	e

NT-pro BNP

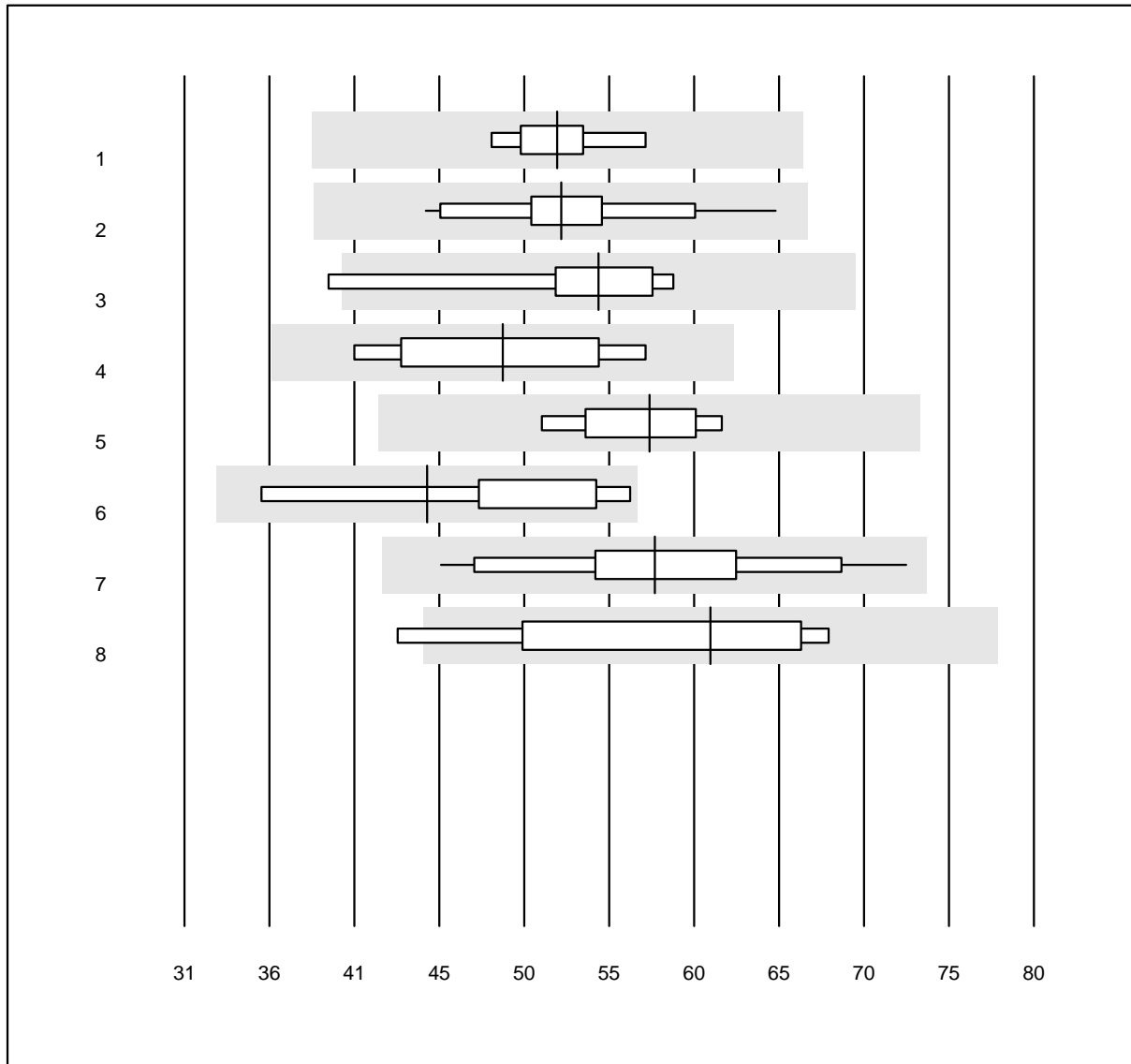


QUALAB Toleranz: 27%

NT-pro BNP (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Triage	365	78.6	13.2	8.2	85	17.6	e

Vitamin D 25 (OH)

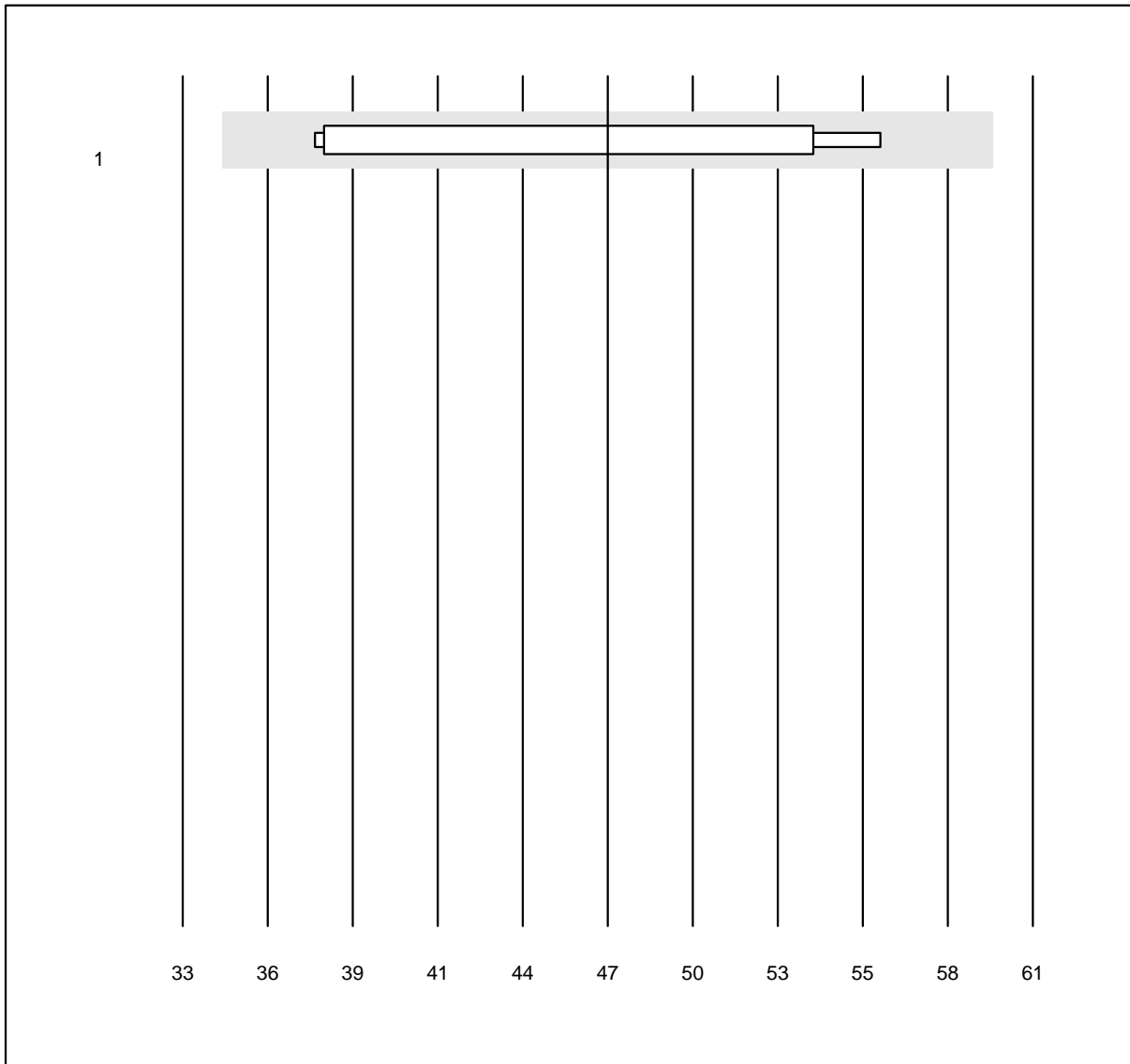


QUALAB Toleranz: 27%

Vitamin D 25 (OH) (nmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	7	100.0	0.0	0.0	52.5	5.2	e
2 Roche	25	100.0	0.0	0.0	52.7	8.8	e
3 Siemens	7	100.0	0.0	0.0	54.9	11.0	e*
4 LCMS	5	100.0	0.0	0.0	49.4	12.0	e*
5 VIDAS	4	100.0	0.0	0.0	57.8	5.8	e
6 AFIAS	9	100.0	0.0	0.0	45.0	12.6	a*
7 RapidReader Cube Reader	13	100.0	0.0	0.0	58.1	11.4	e
8 Other methods	4	100.0	0.0	0.0	61.3	14.4	e*

Vitamin D 1,25-(OH)2



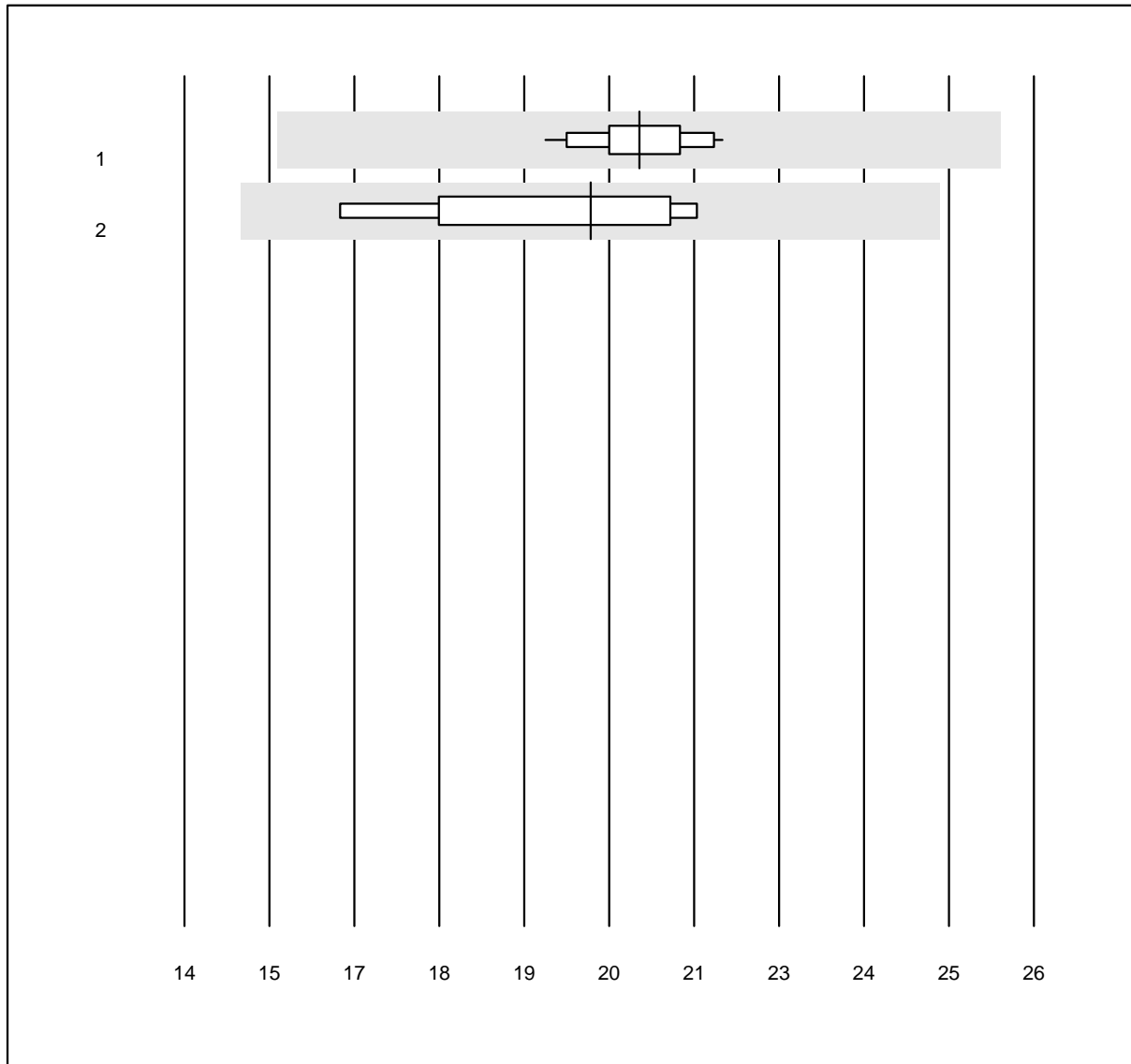
MQ Toleranz: 27%

Vitamin D 1,25-(OH)2 (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	5	100.0	0.0	0.0	47.0	18.3	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

AMH



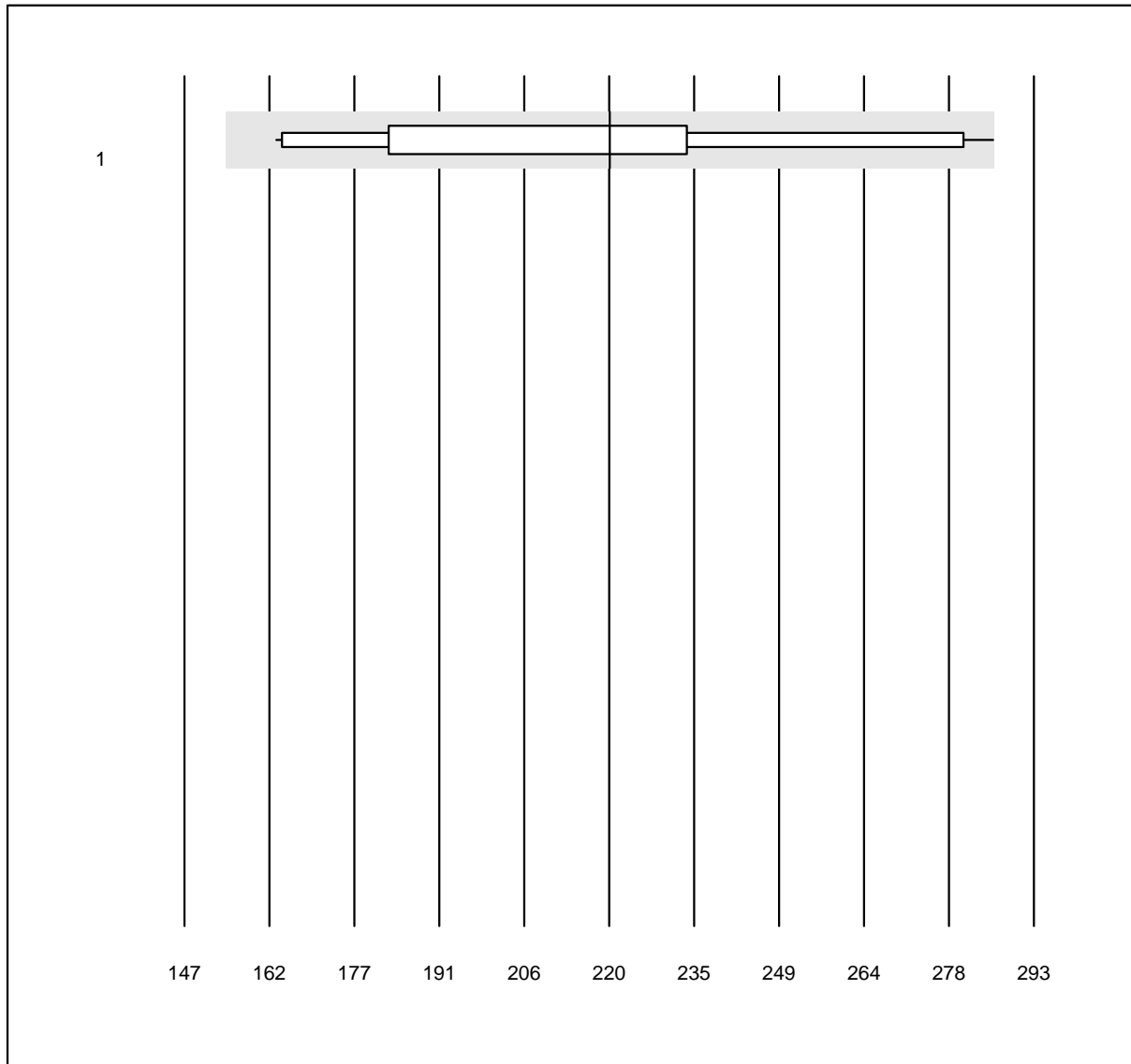
MQ Toleranz: 25%

AMH (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	15	100.0	0.0	0.0	20.4	3.4	e
2 VIDAS	4	100.0	0.0	0.0	19.7	8.9	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Inhibin B

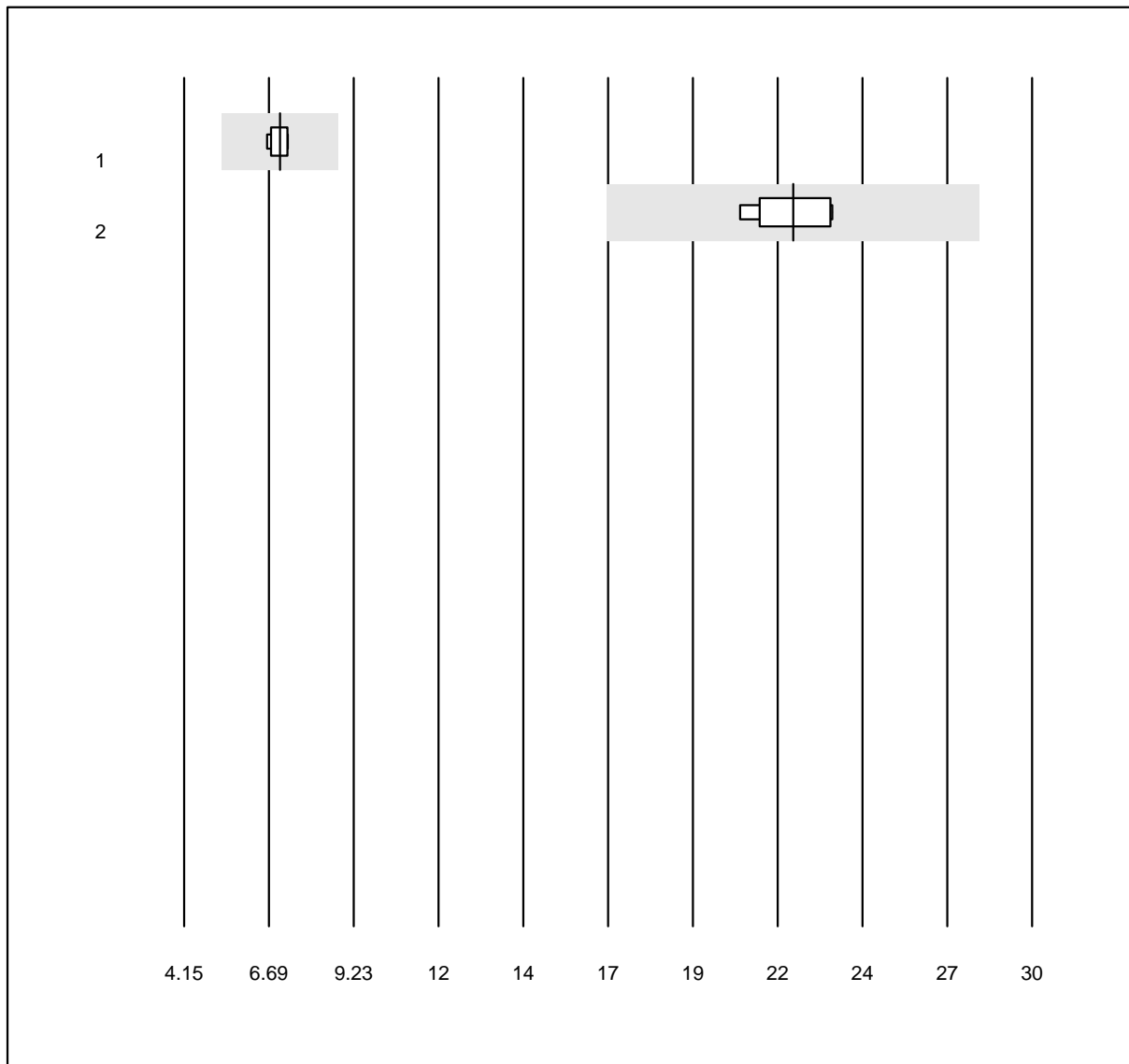


MQ Toleranz: 30%

Inhibin B (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	10	100.0	0.0	0.0	220.1	17.6	a*

Calcitonin

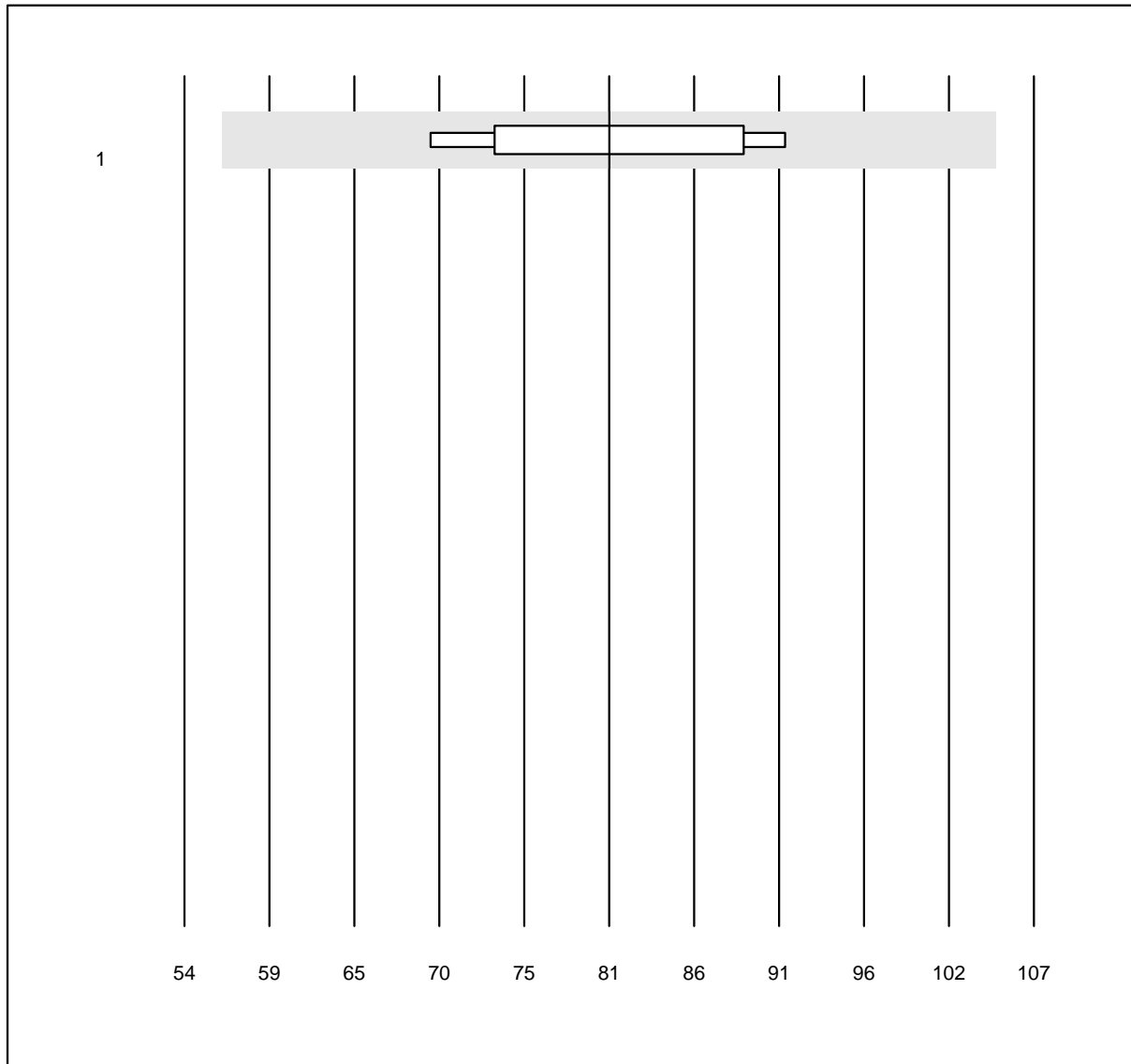


MQ Toleranz: 25%

Calcitonin (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	7	100.0	0.0	0.0	7.1	3.5	e
2 Other methods	7	100.0	0.0	0.0	22.7	4.5	e

Aldosteron



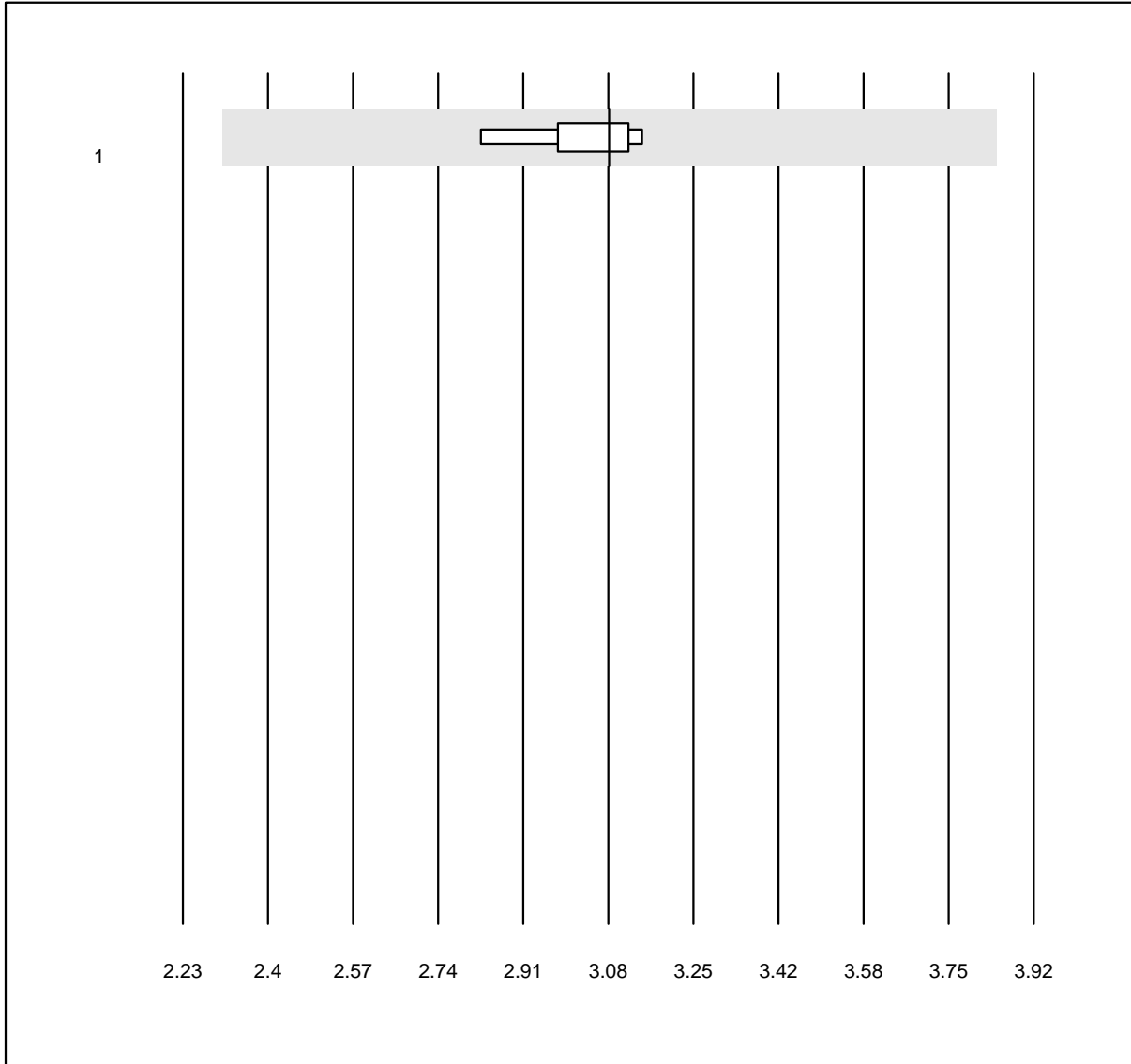
MQ Toleranz: 30%

Aldosteron (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	6	100.0	0.0	0.0	80.5	9.9	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IGF-BP3



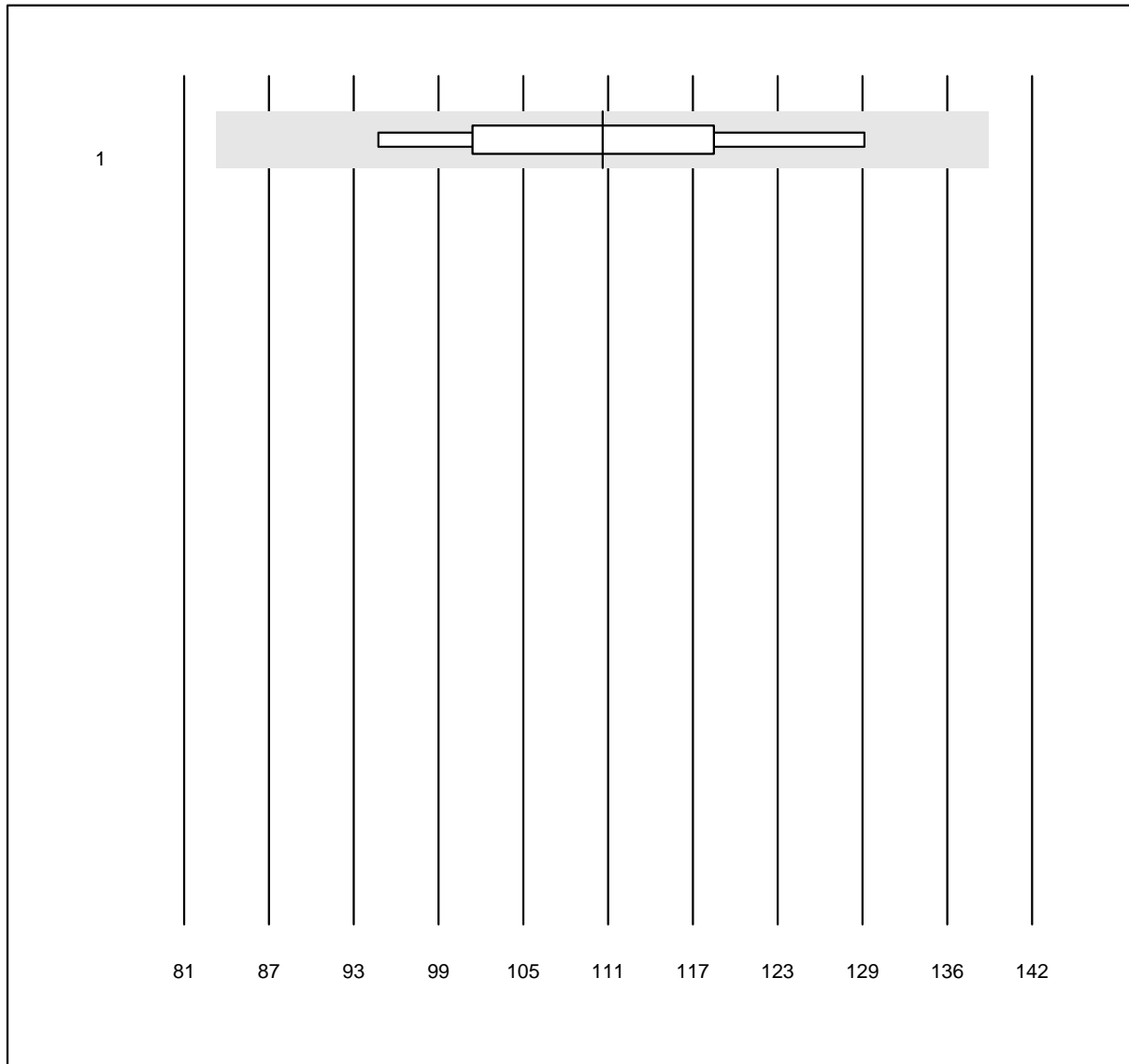
MQ Toleranz: 25%

IGF-BP3 (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cobas	5	100.0	0.0	0.0	3.08	3.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Renin



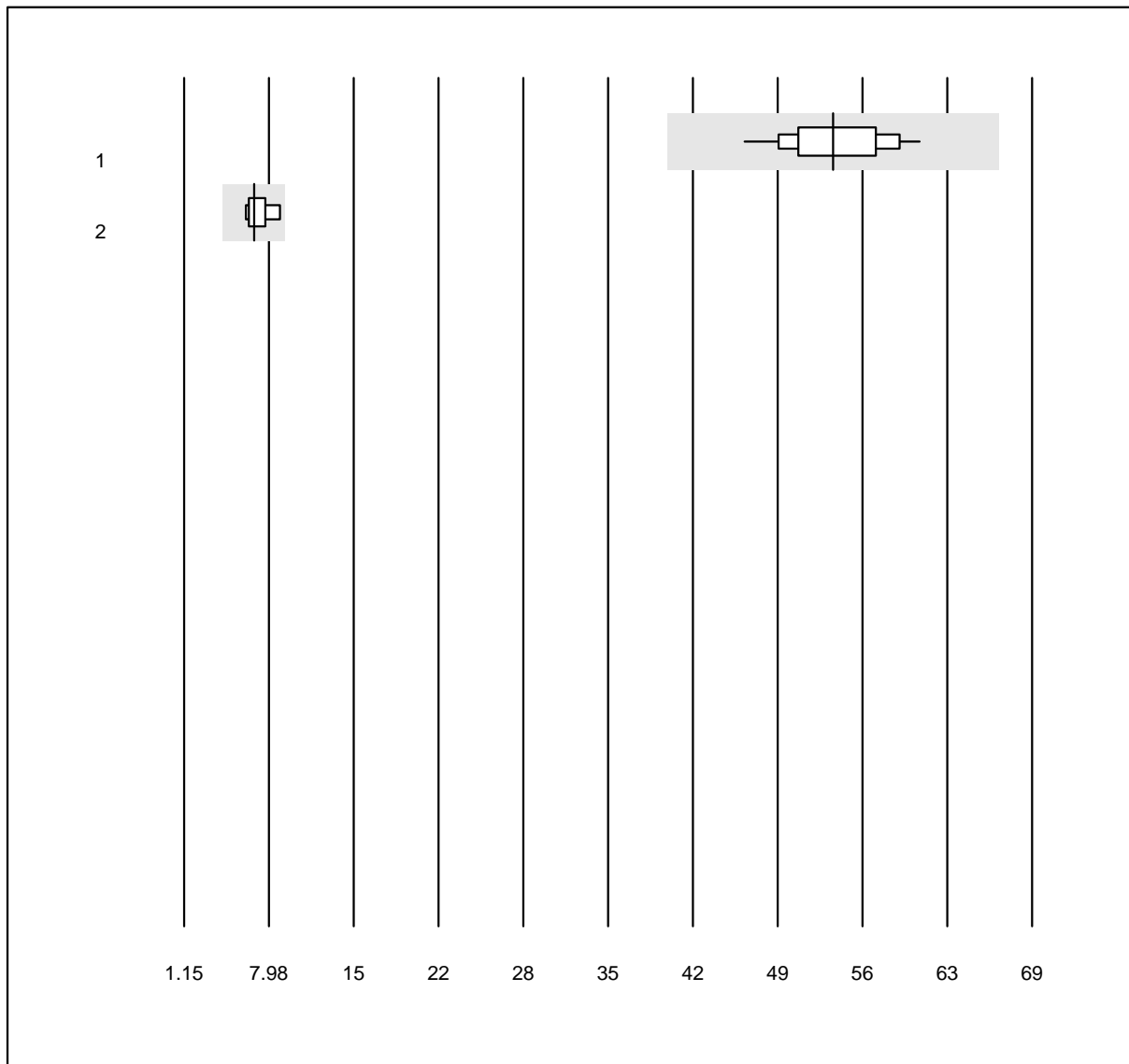
MQ Toleranz: 25%

Renin (mU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Liaison	8	100.0	0.0	0.0	111.1	9.7	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti Thyreoglobulin



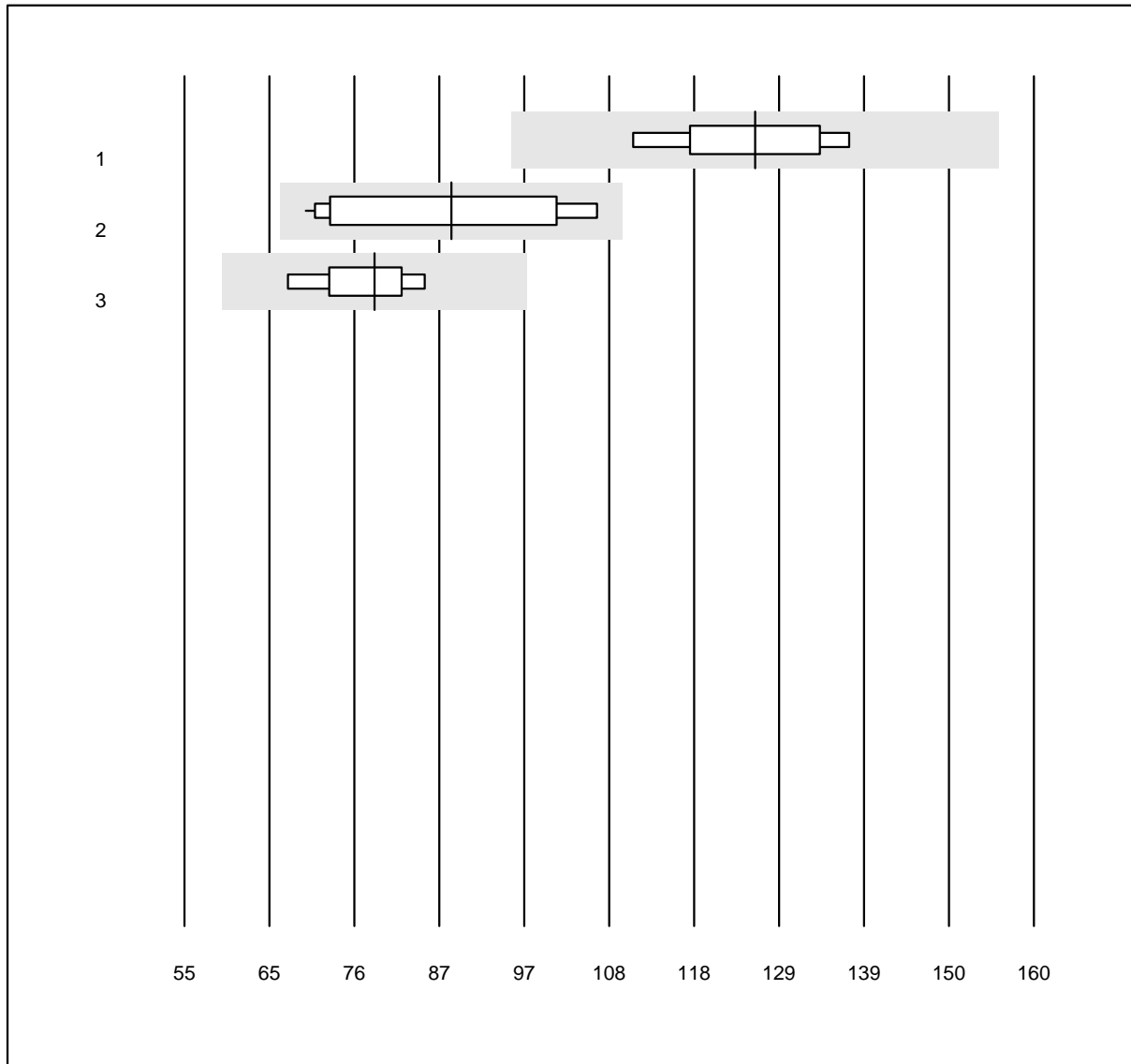
MQ Toleranz: 25%

Anti Thyreoglobulin (IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	17	100.0	0.0	0.0	53.1	6.9	e
2 Alinity	5	100.0	0.0	0.0	6.8	11.7	e*

4 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti TPO



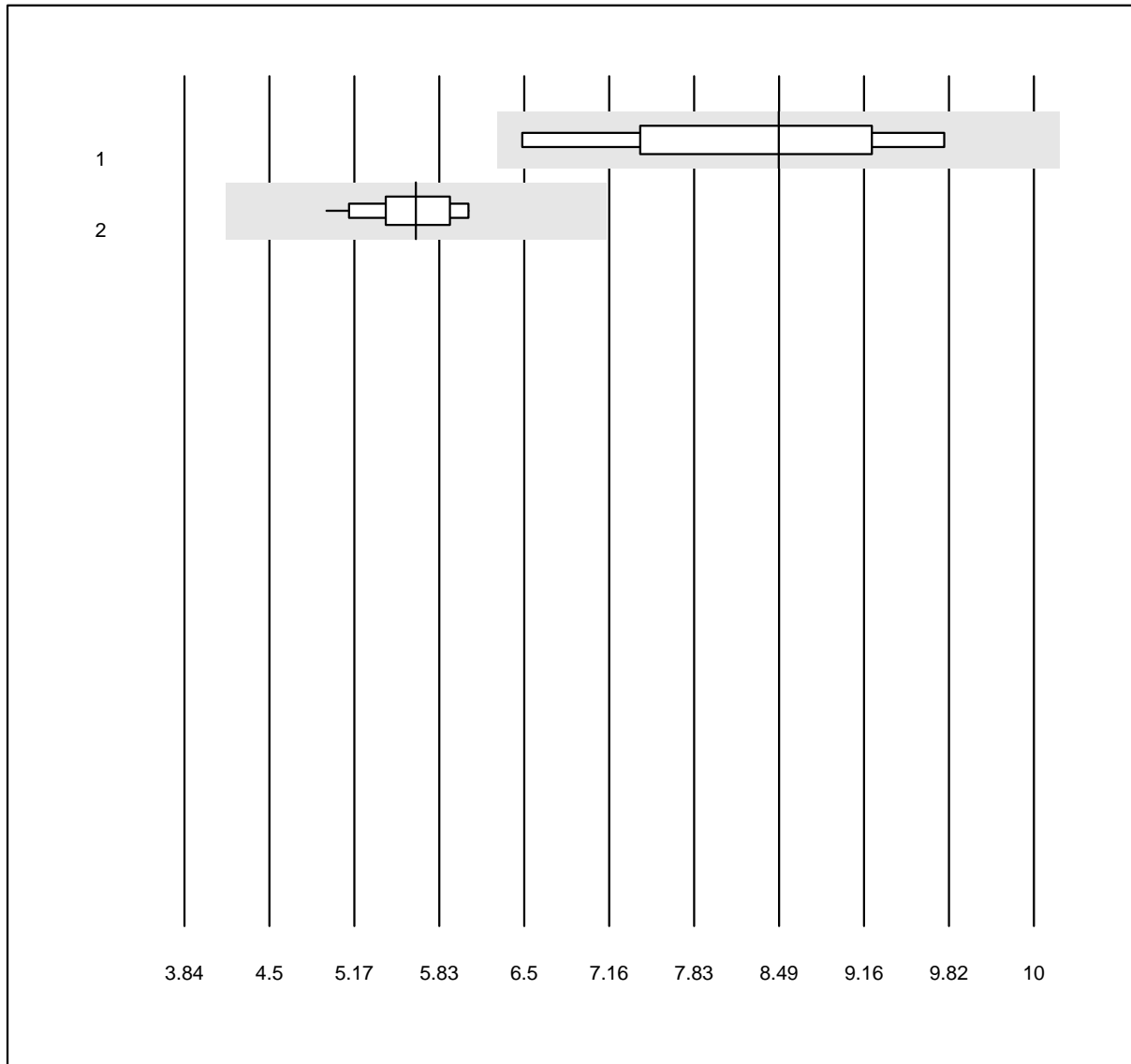
QUALAB Toleranz: 24%

Anti TPO (IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	125.5	7.1	e
2 Roche	15	100.0	0.0	0.0	88.0	16.9	a*
3 Phadia	4	100.0	0.0	0.0	78.5	6.2	e*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

TRAK



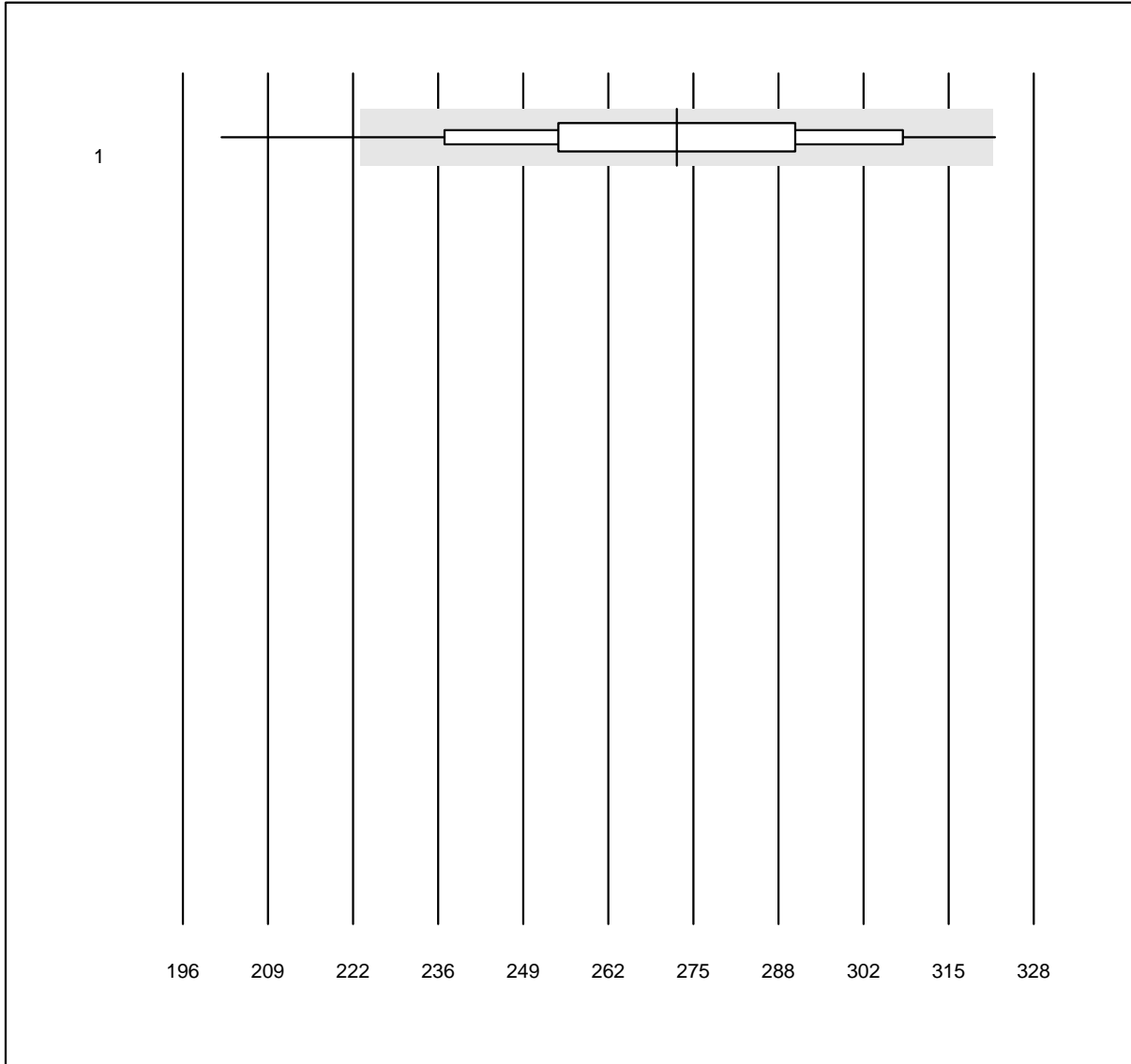
MQ Toleranz: 25%

TRAK (IU/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	4	100.0	0.0	0.0	8.15	11.1	e*
2 Roche	13	100.0	0.0	0.0	5.52	5.3	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine WB

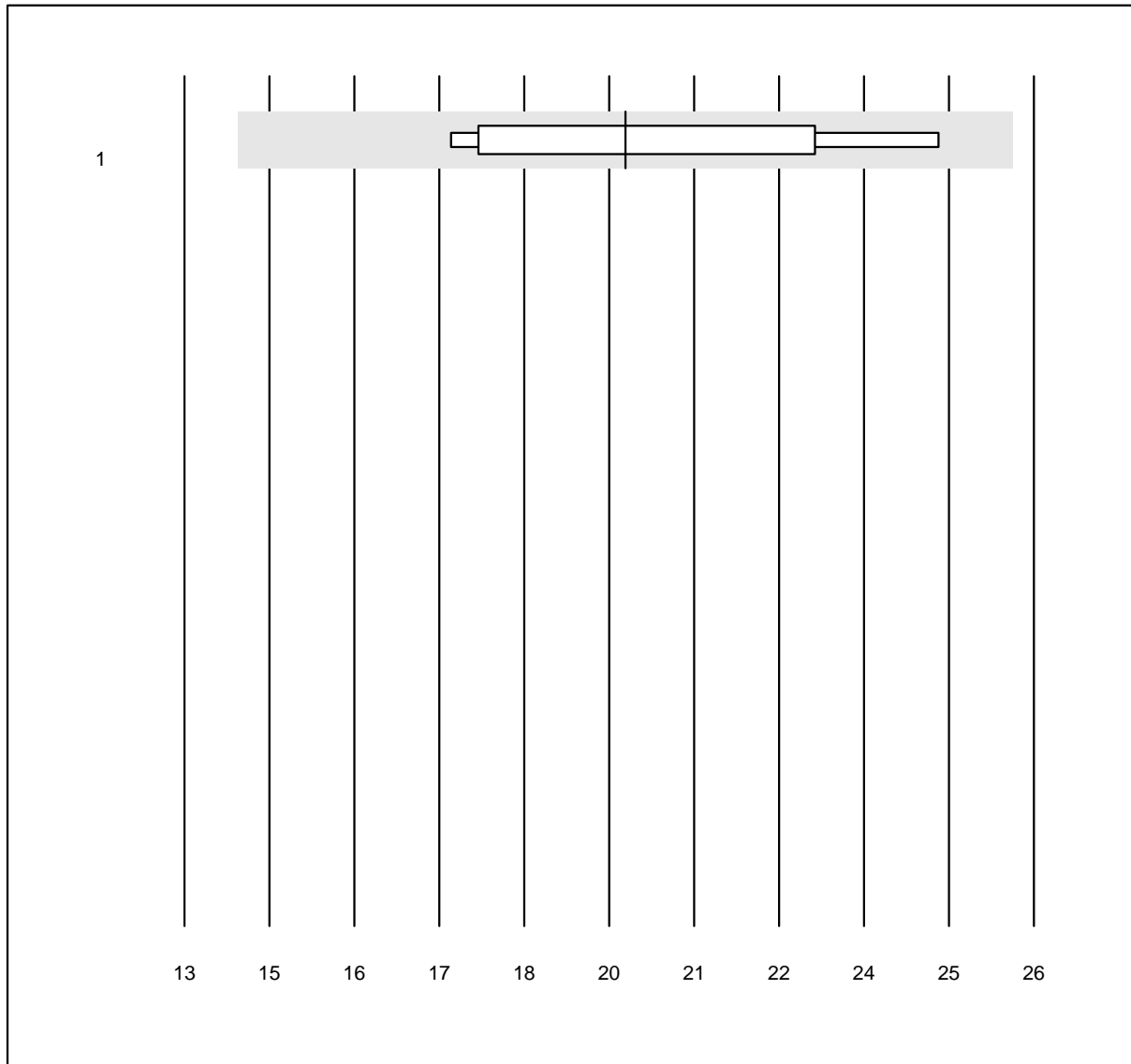


QUALAB Toleranz: 18%

Creatinine WB (µmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK % Type
1 Statsensor i / Nova	93	92.5	6.5	1.1	273	10.2 e

eGFR CDK-EPI WB

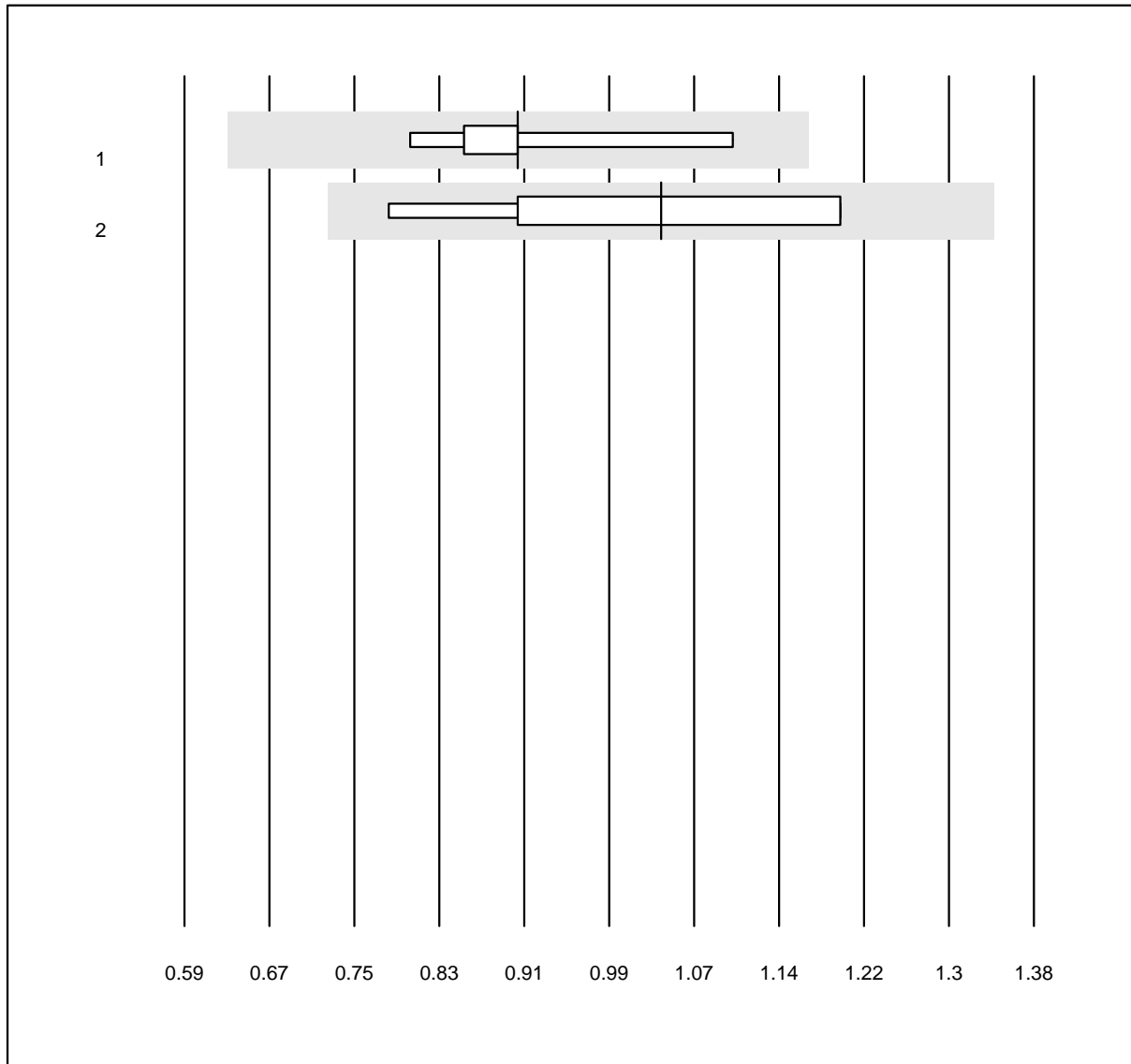


MQ Toleranz: 30%

eGFR CDK-EPI WB ()

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Statsensor i / Nova	6	100.0	0.0	0.0	20	14.3	e*

Keton WB



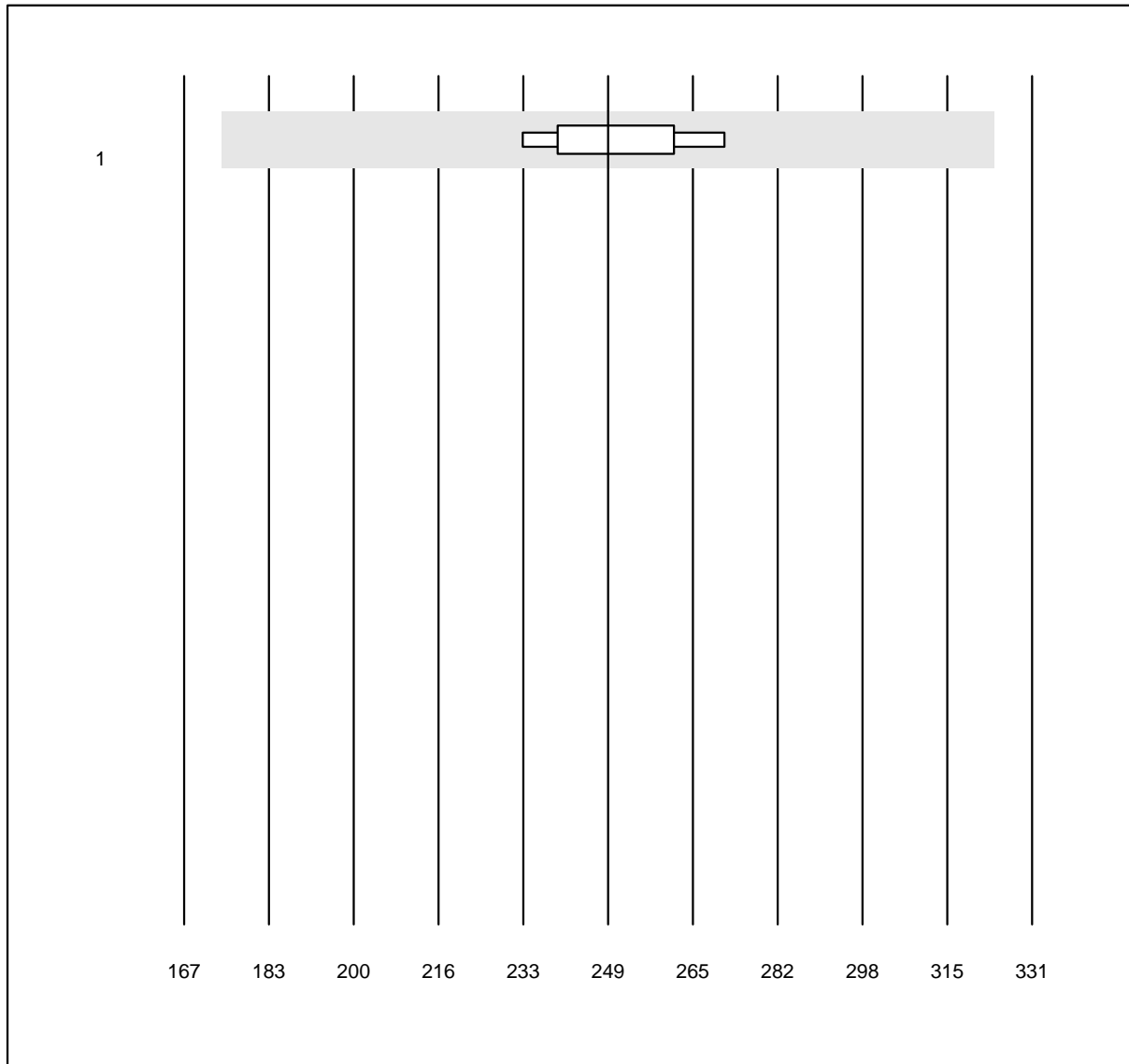
MQ Toleranz: 30%

Keton WB (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	9	100.0	0.0	0.0	0.90	9.6	e
2 Ketosure APEXBIO	7	100.0	0.0	0.0	1.03	15.6	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

IL6

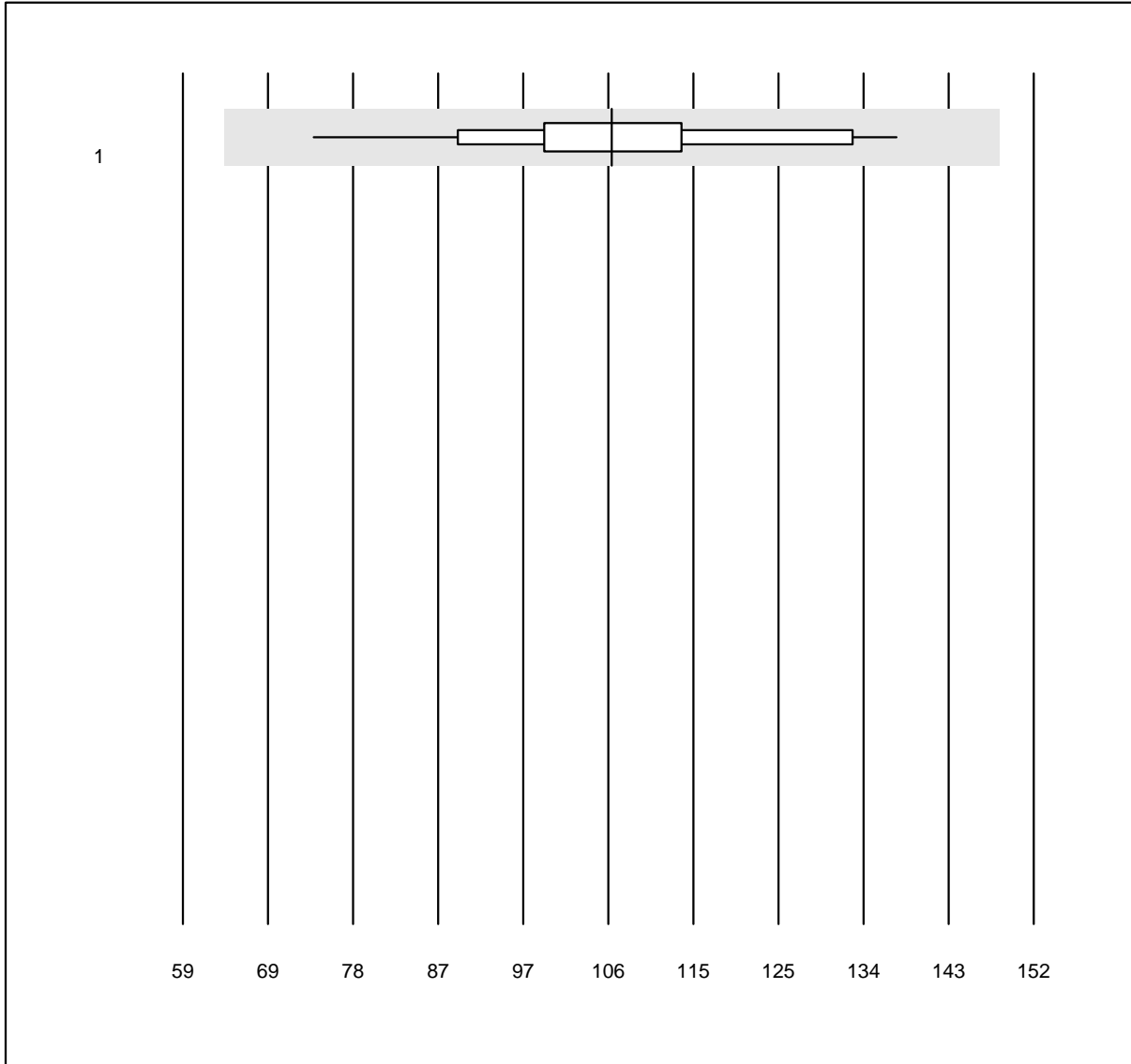


MQ Toleranz: 30%

IL6 (ng/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	4	100.0	0.0	0.0	249.0	4.7	e

Pankreas Elastase

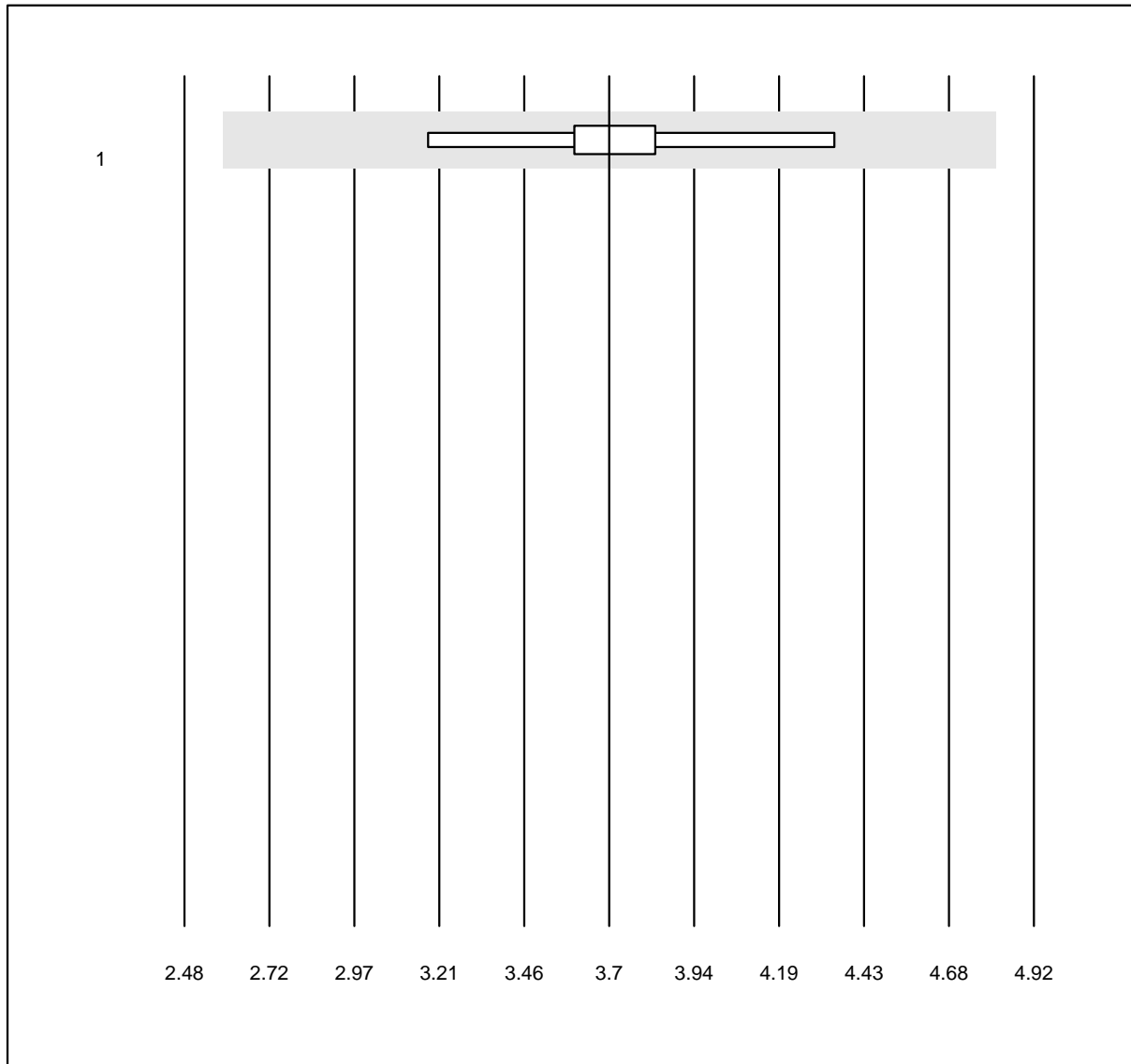


MQ Toleranz: 40%

Pankreas Elastase (µg/g)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Other methods	17	100.0	0.0	0.0	106	13.7	e

Copeptin

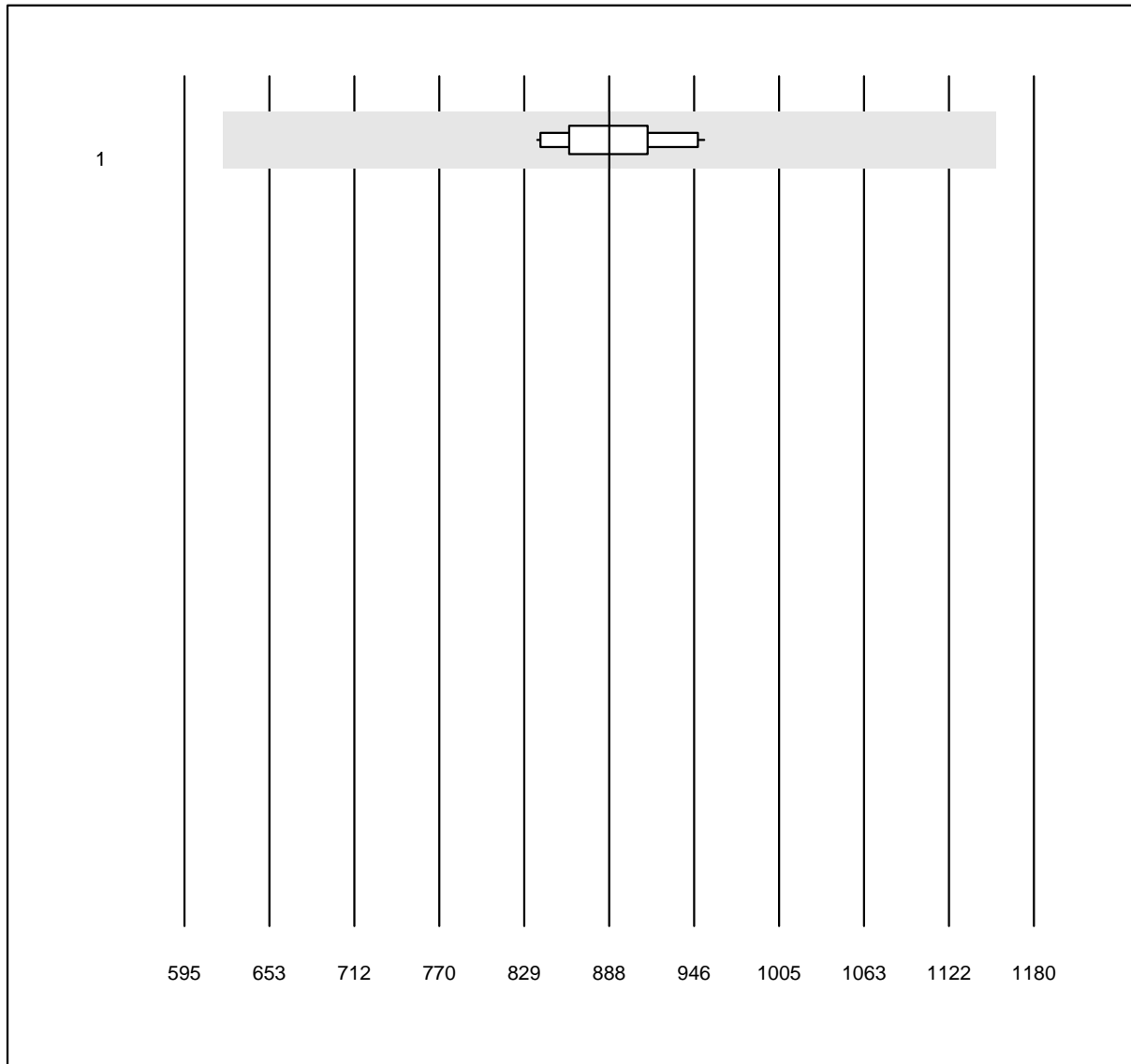


MQ Toleranz: 30%

Copeptin (pmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Kryptor	6	100.0	0.0	0.0	3.7	7.7	e

PIGF

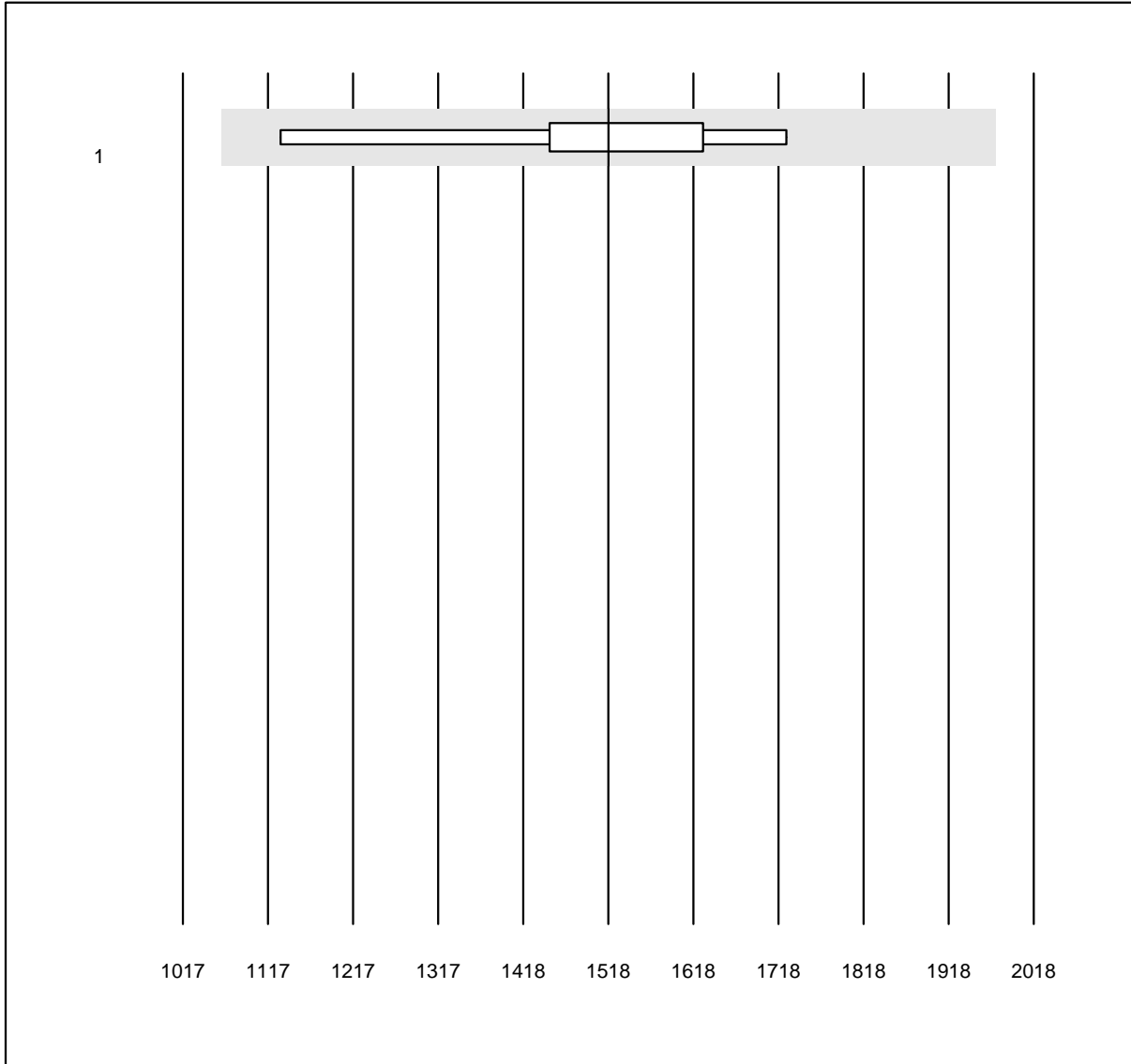


MQ Toleranz: 30%

PIGF (pg/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	11	100.0	0.0	0.0	887.6	3.9	e

SFIT1



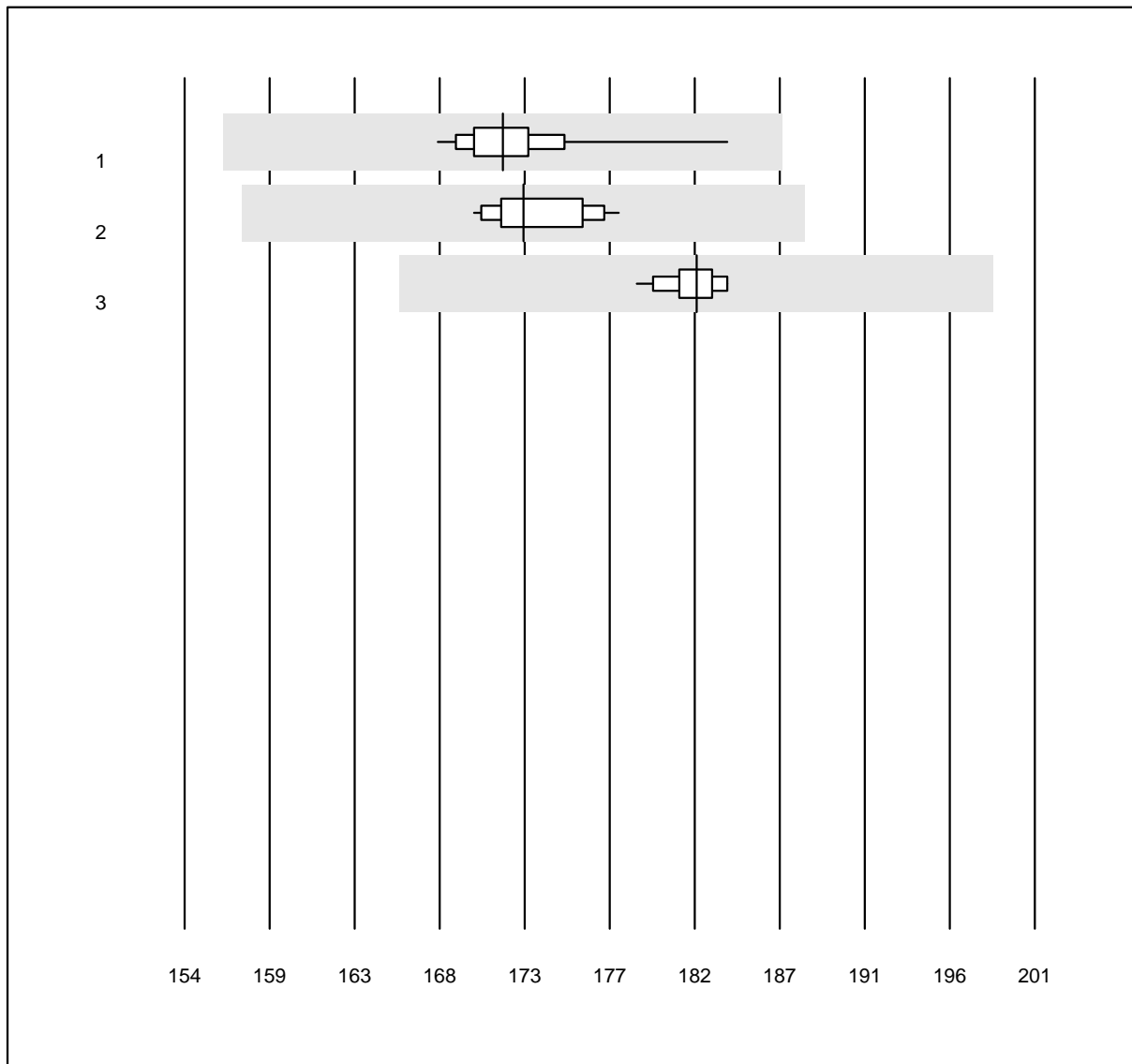
MQ Toleranz: 30%

SFIT1 (pg/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Roche	9	100.0	0.0	0.0	1517.7	11.3	e*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

tHb

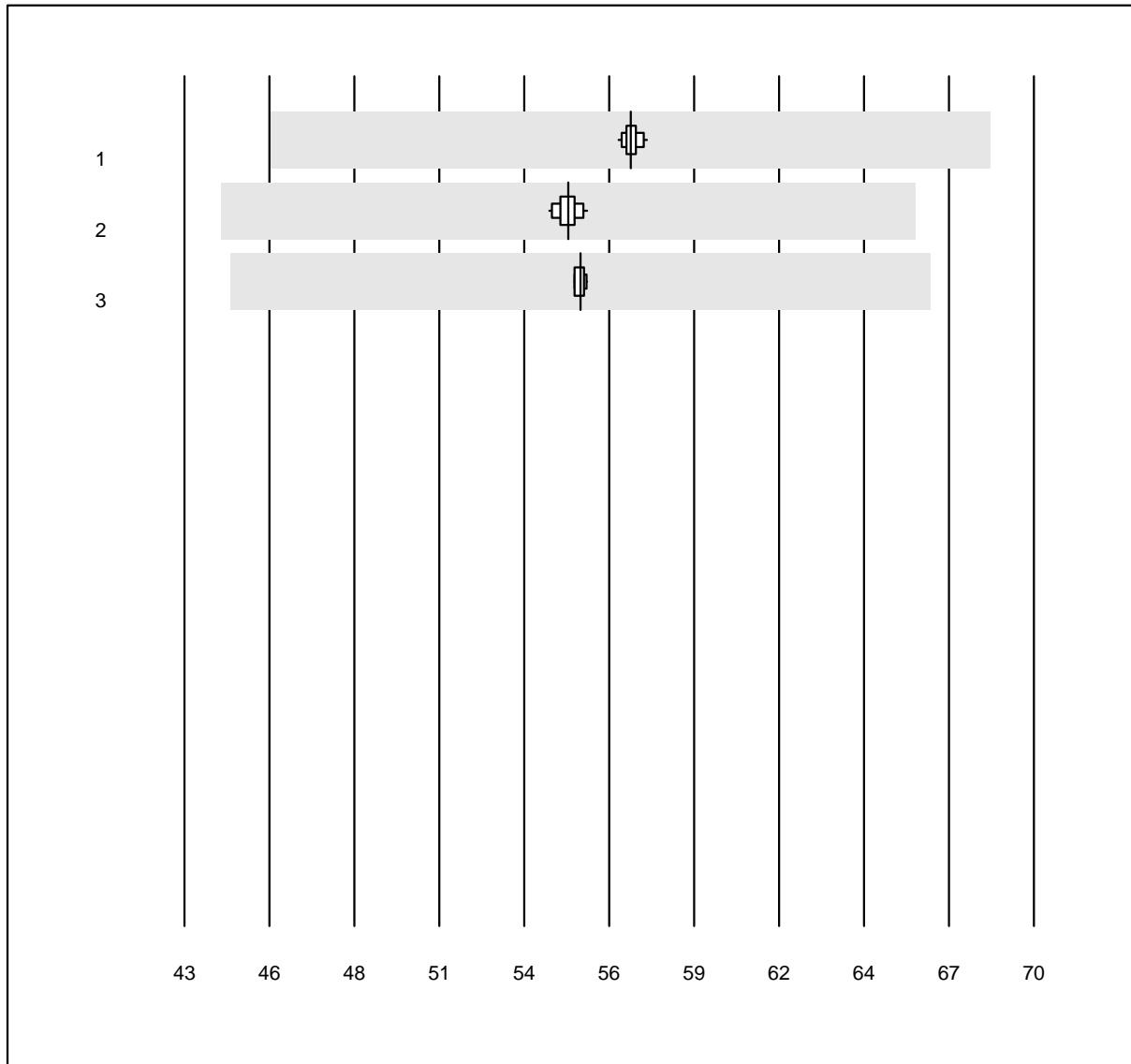


MQ Toleranz: 9%

tHb (g/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	29	100.0	0.0	0.0	171.6	1.9	e
2 GEM	15	86.7	0.0	13.3	172.7	1.4	e
3 Cobas b 123	14	100.0	0.0	0.0	182.3	0.8	e

O2Hb

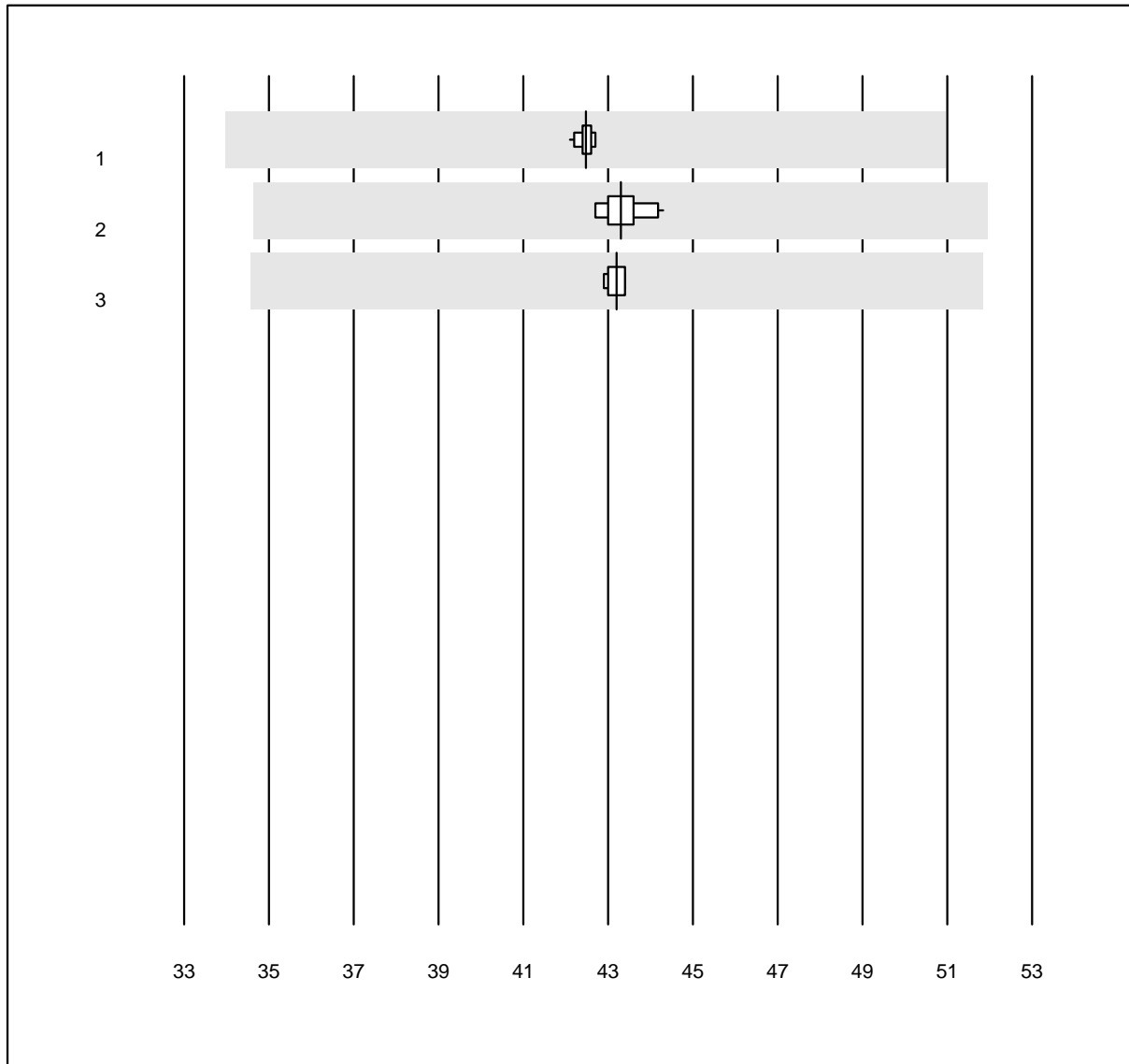


MQ Toleranz: 20%

O2Hb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	29	100.0	0.0	0.0	57.2	0.4	e
2 GEM	13	100.0	0.0	0.0	55.2	0.6	e
3 Cobas b 123	11	100.0	0.0	0.0	55.6	0.3	e

COHb



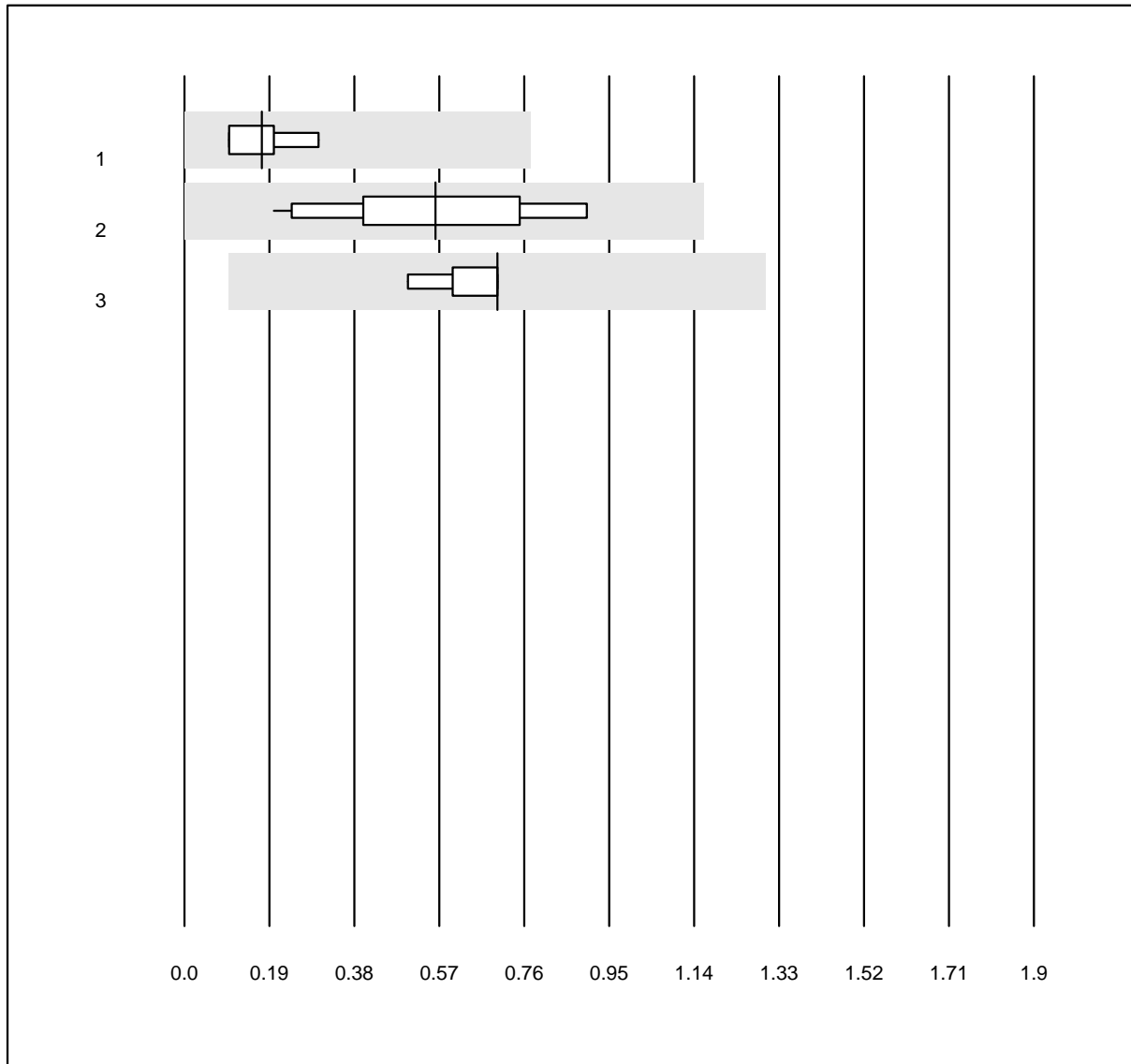
MQ Toleranz: 20%

COHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	29	100.0	0.0	0.0	42.5	0.4	e
2 GEM	13	100.0	0.0	0.0	43.3	1.1	e
3 Cobas b 123	11	100.0	0.0	0.0	43.2	0.5	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

MetHb

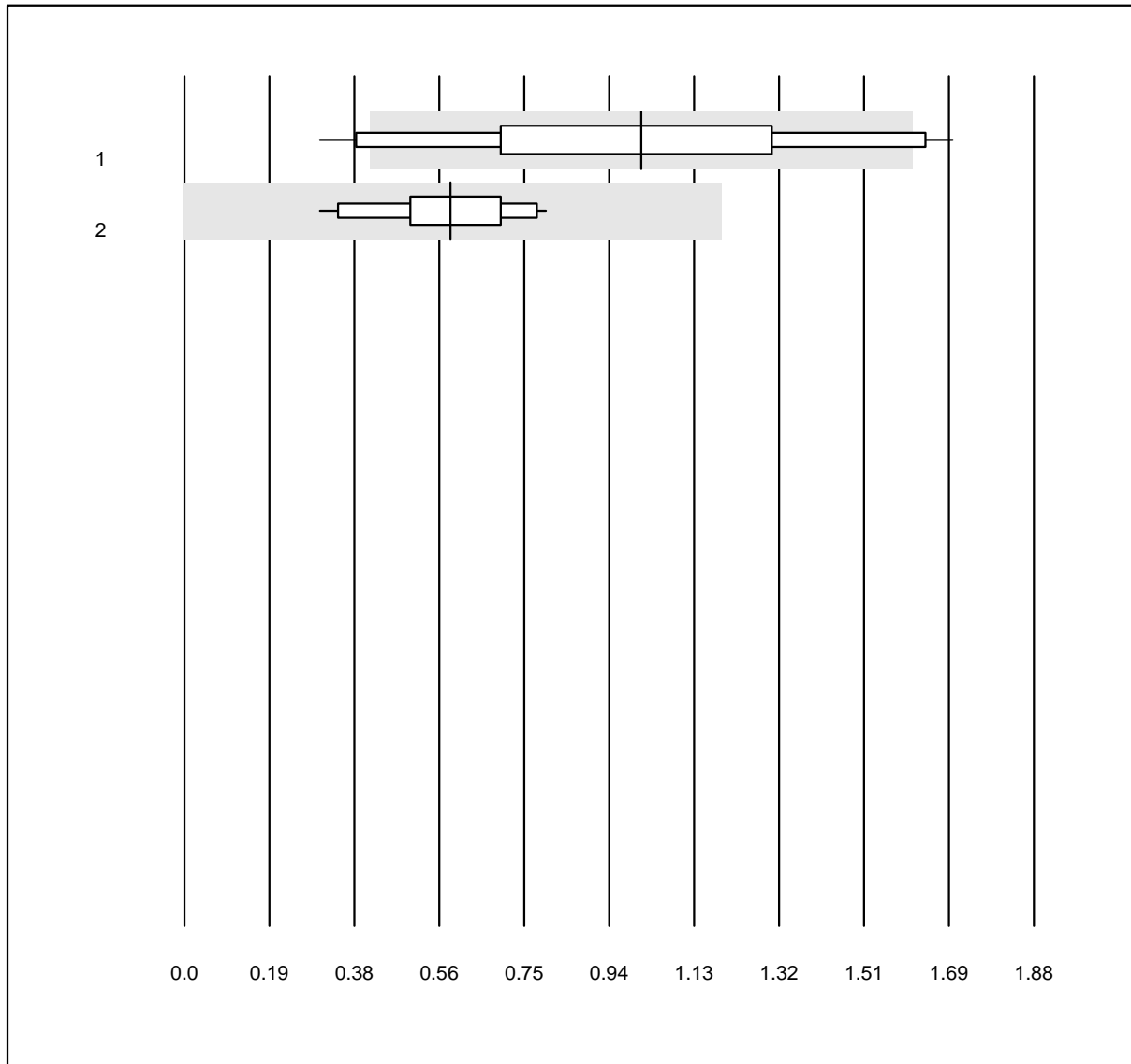


MQ Toleranz: 20%
(< 3.0: +/- 0.6 %)

MetHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	26	100.0	0.0	0.0	0.2	44.9	e
2 GEM	13	100.0	0.0	0.0	0.6	39.5	e
3 Cobas b 123	11	100.0	0.0	0.0	0.7	12.7	e

HHb

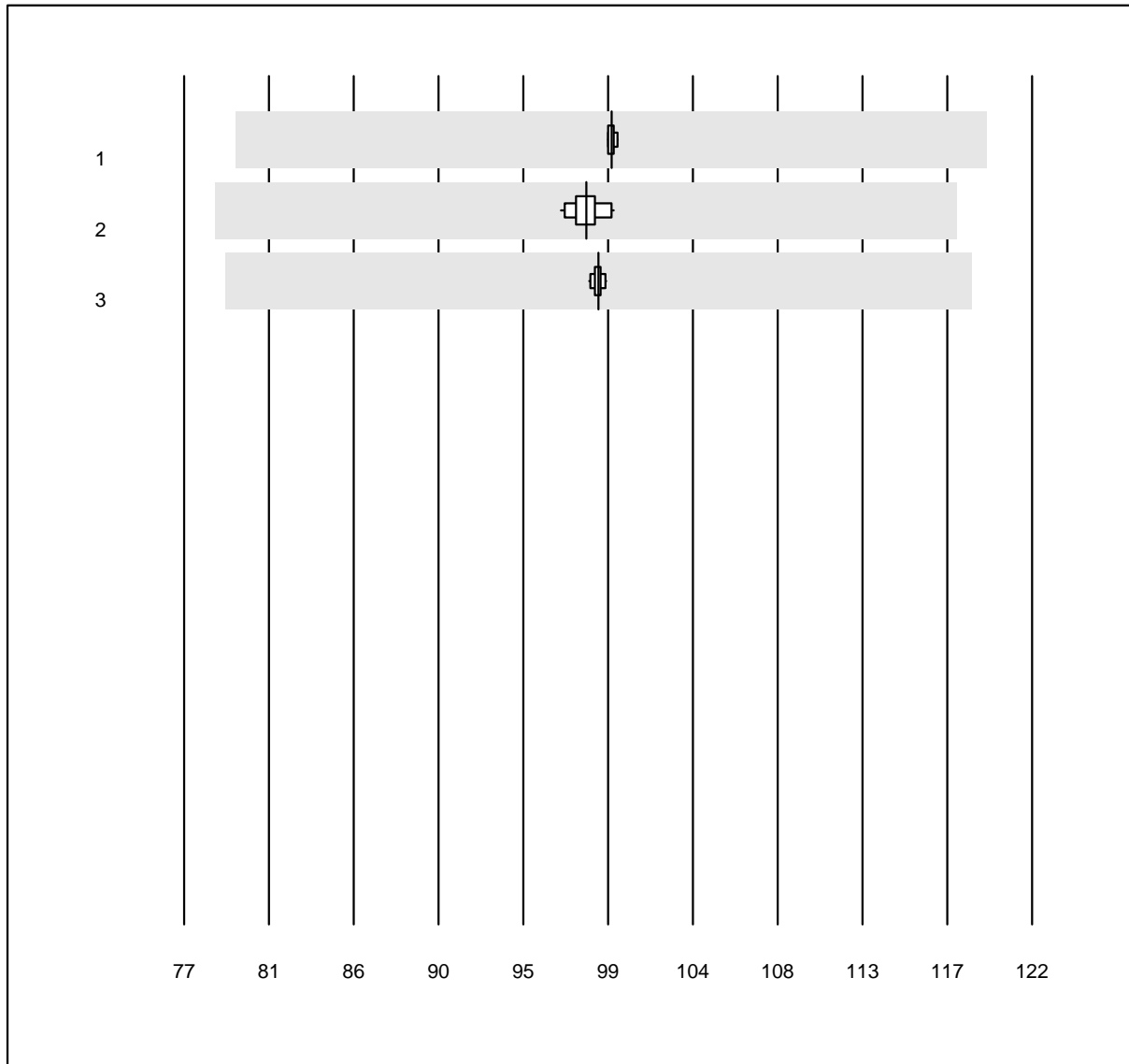


MQ Toleranz: 20%
(< 3.0: +/- 0.6 %)

HHb (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 GEM	11	81.8	18.2	0.0	1.0	38.0	e*
2 Cobas b 123	11	100.0	0.0	0.0	0.6	22.8	e

sO2

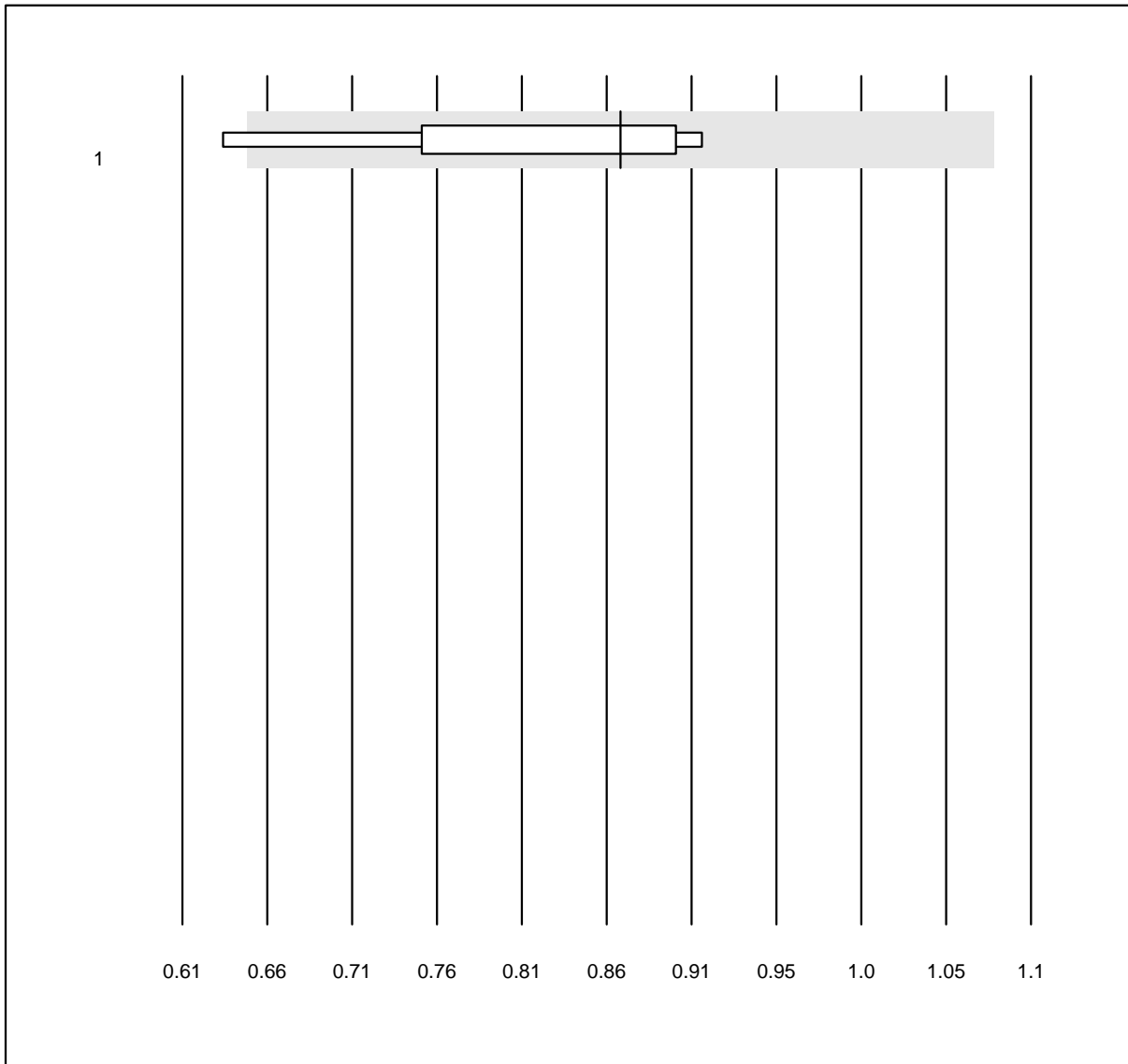


MQ Toleranz: 20%

sO2 (%)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 RAPIDPoint 500	27	100.0	0.0	0.0	99.7	0.2	e
2 GEM	13	100.0	0.0	0.0	98.3	0.8	e
3 Cobas b 123	11	100.0	0.0	0.0	99.0	0.2	e

CTx (CrossLaps)



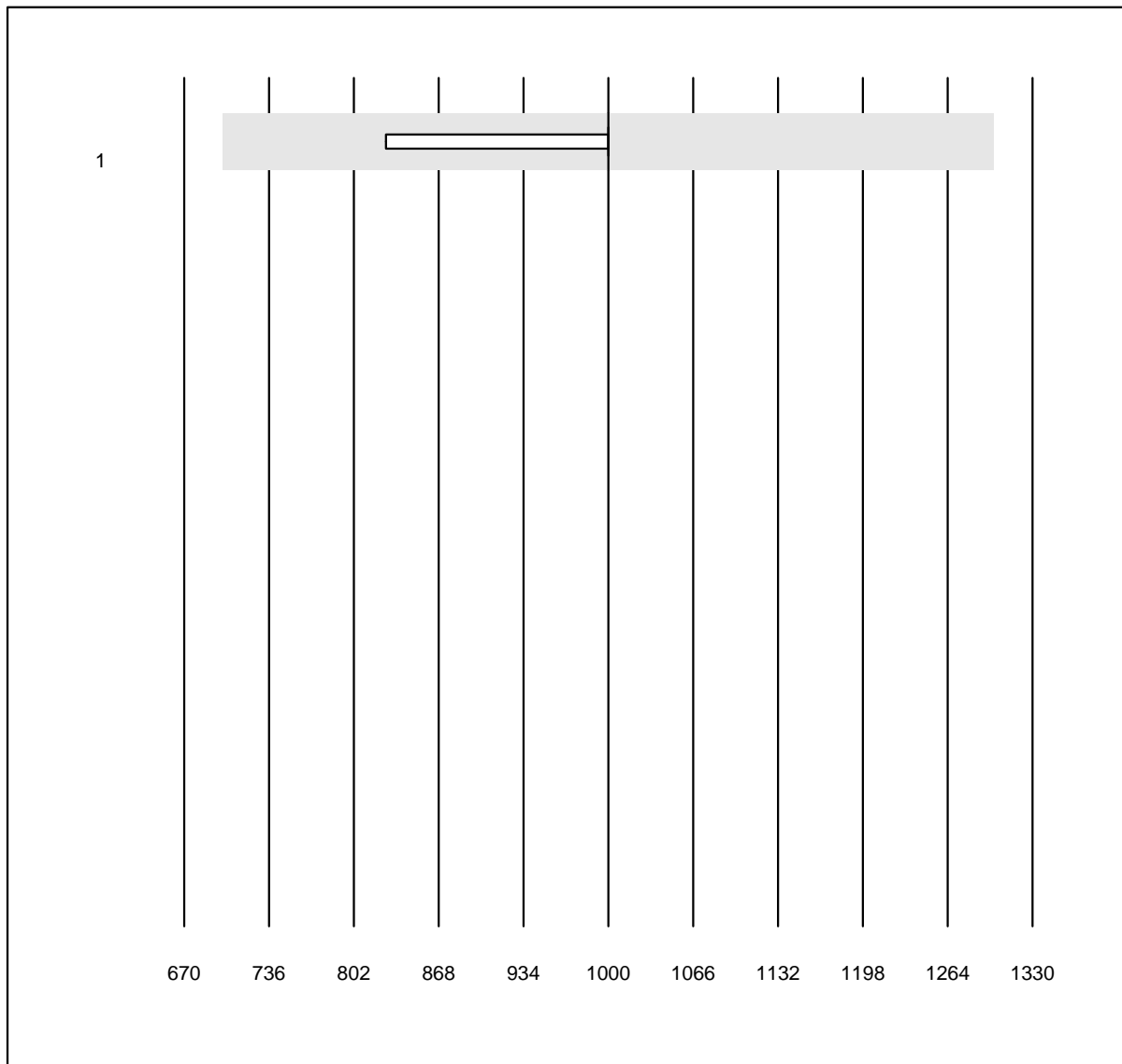
MQ Toleranz: 25%

CTx (CrossLaps) (ng/ml)

No.	Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1	Roche	4	100.0	0.0	0.0	0.9	10.4	a*

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Occult blood qn

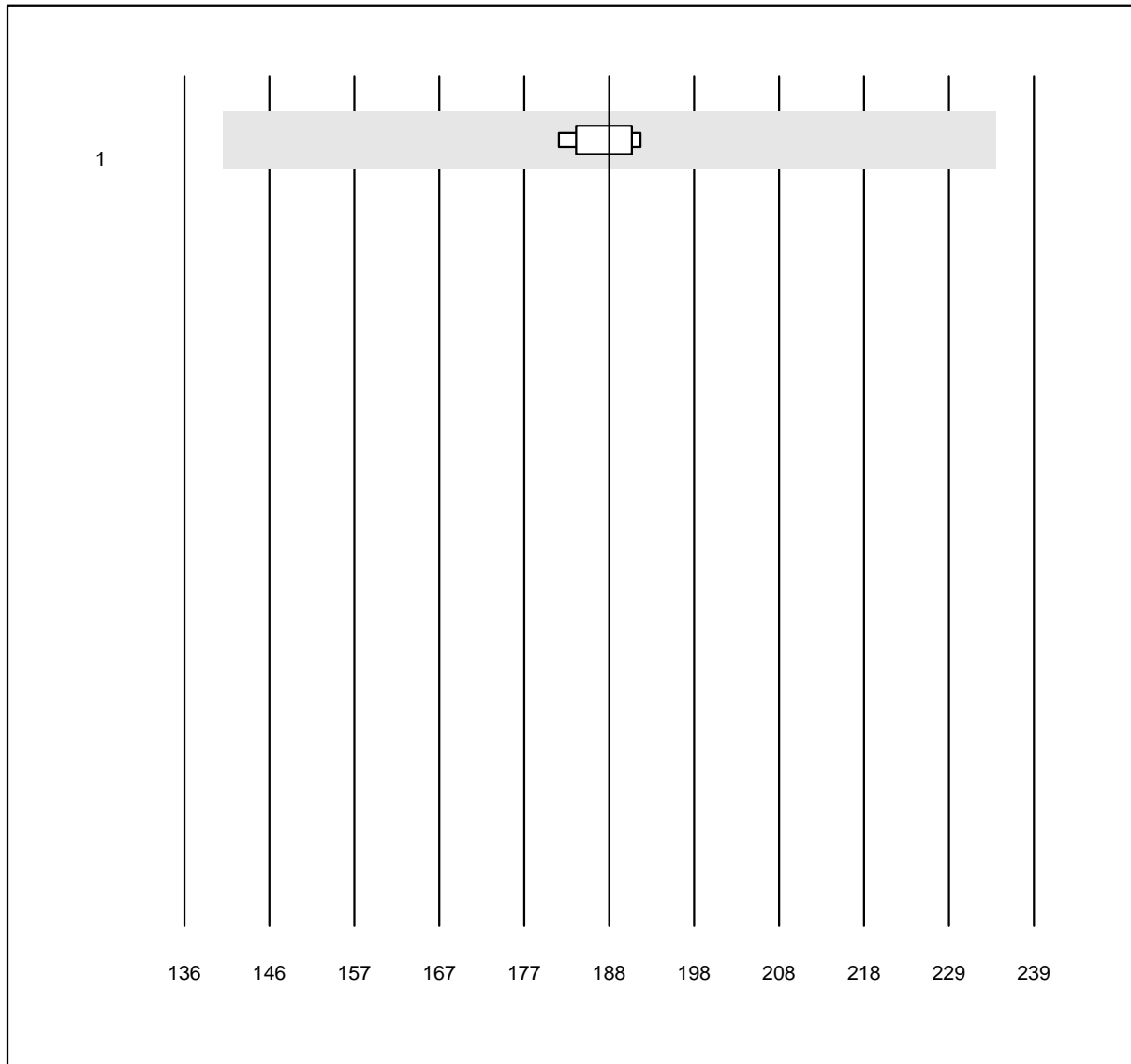


QUALAB Toleranz: 30%

Occult blood qn (ng/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 OC-Sensor	10	90.0	0.0	10.0	1000	5.9	e

Amylase

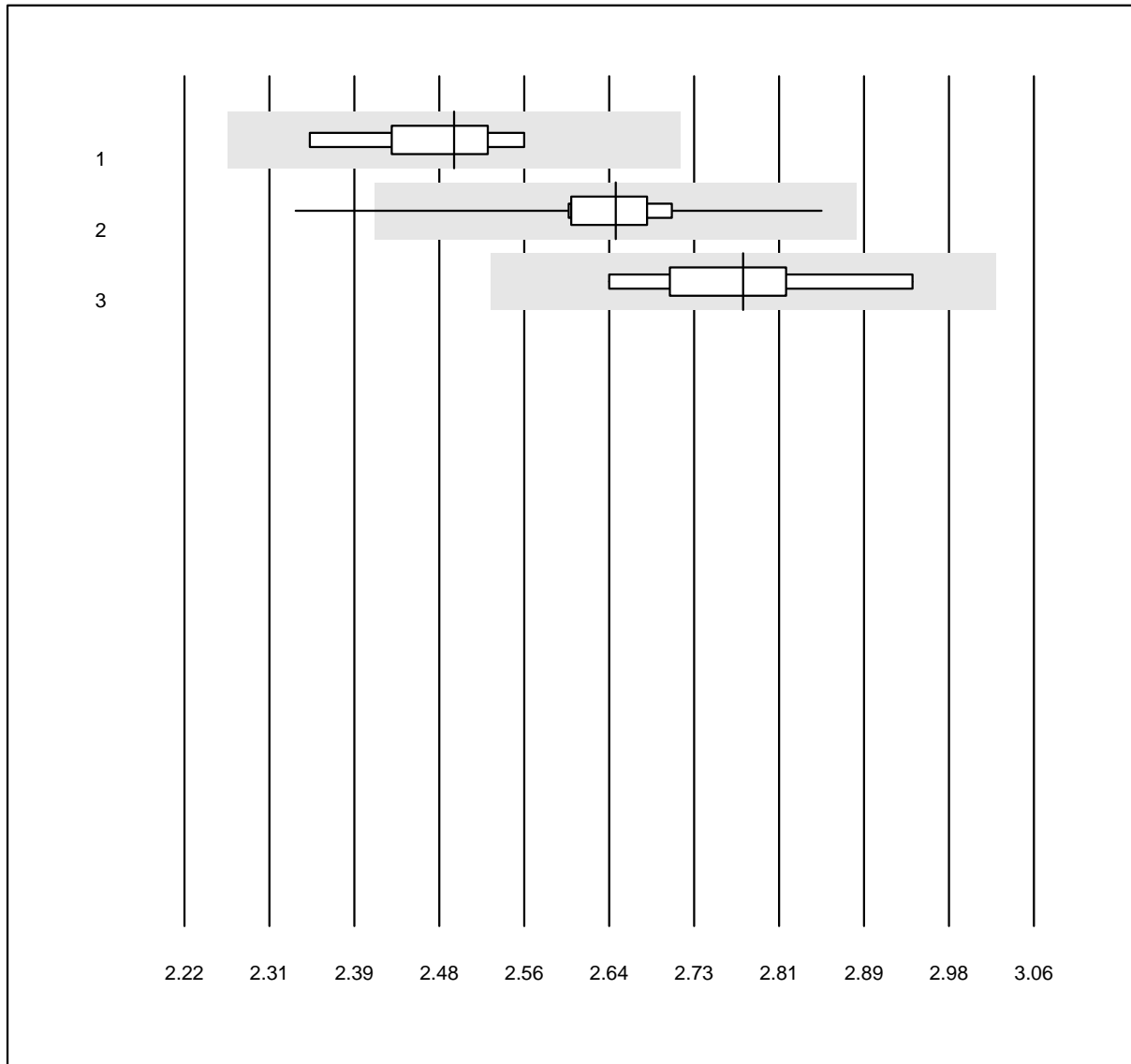


MQ Toleranz: 25%

Amylase (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 IFCC	6	100.0	0.0	0.0	188	2.0	e

Calcium

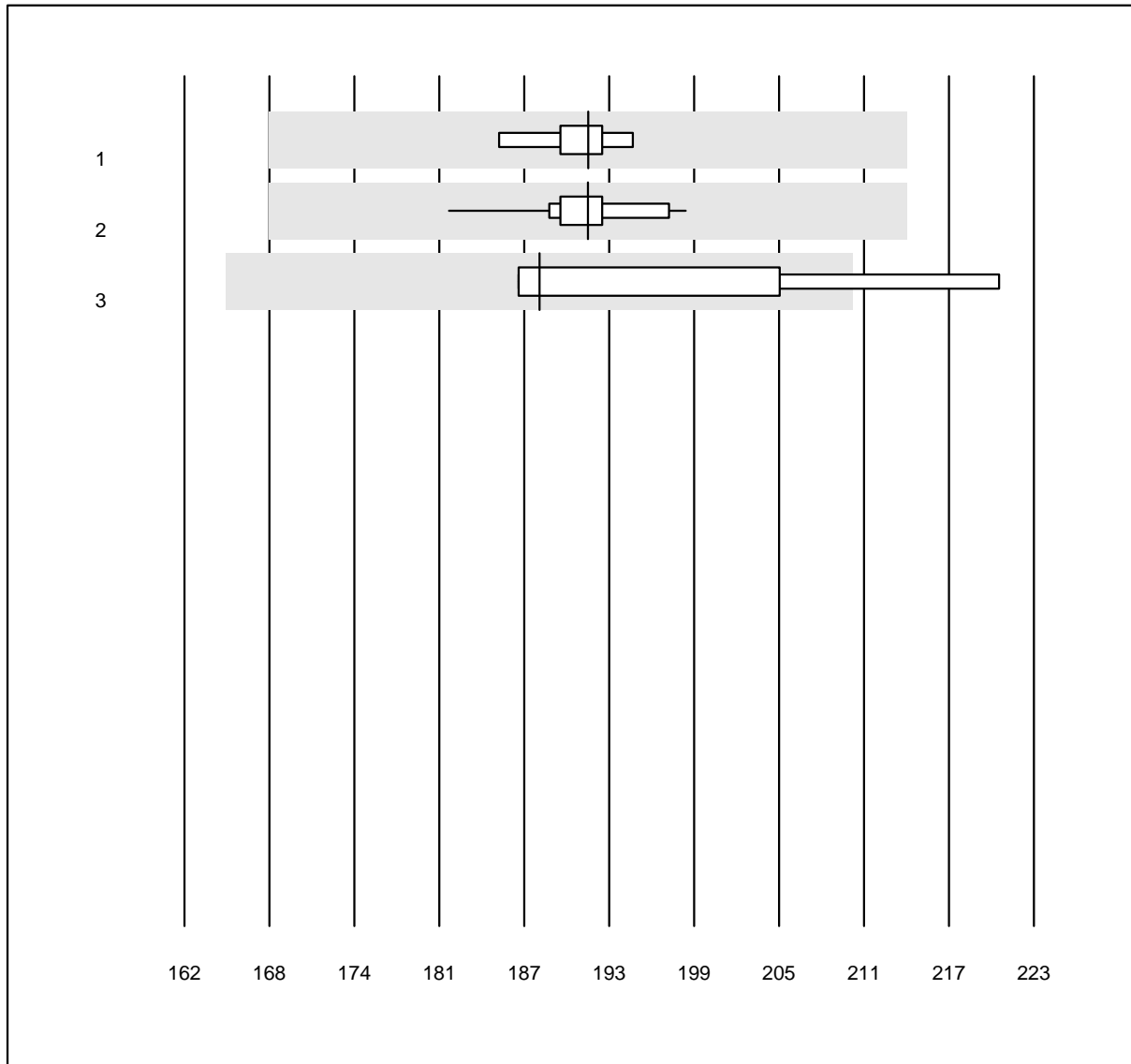


MQ Toleranz: 9%

Calcium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	5	100.0	0.0	0.0	2.49	2.4	e
2 Roche	28	96.4	3.6	0.0	2.65	3.0	e
3 Other methods	10	90.0	0.0	10.0	2.77	3.3	e

Chloride

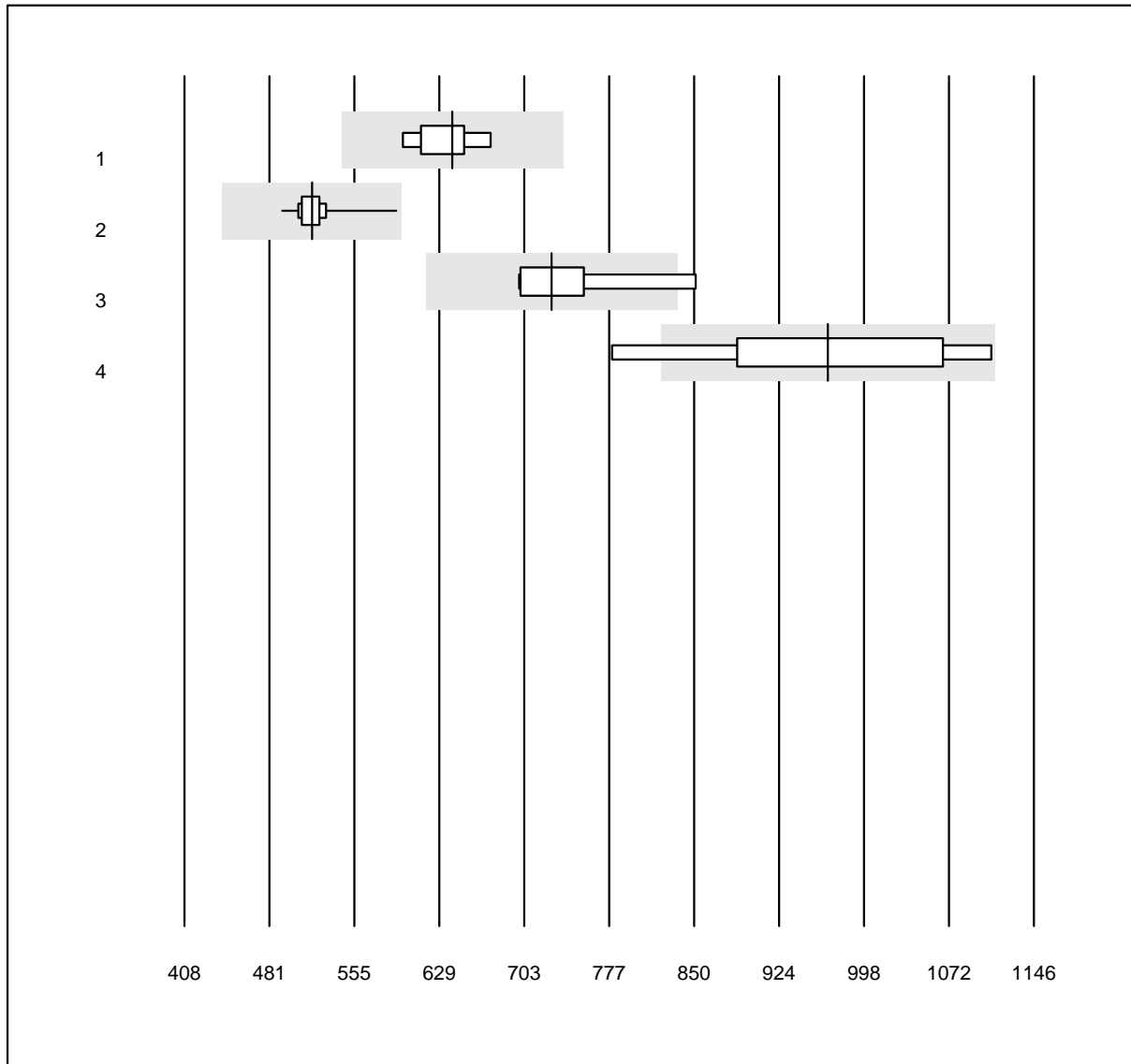


MQ Toleranz: 12%

Chloride (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	8	100.0	0.0	0.0	191	1.4	e
2 Roche	21	100.0	0.0	0.0	191	1.8	e
3 ISE	4	100.0	0.0	0.0	188	6.0	e*

Protein

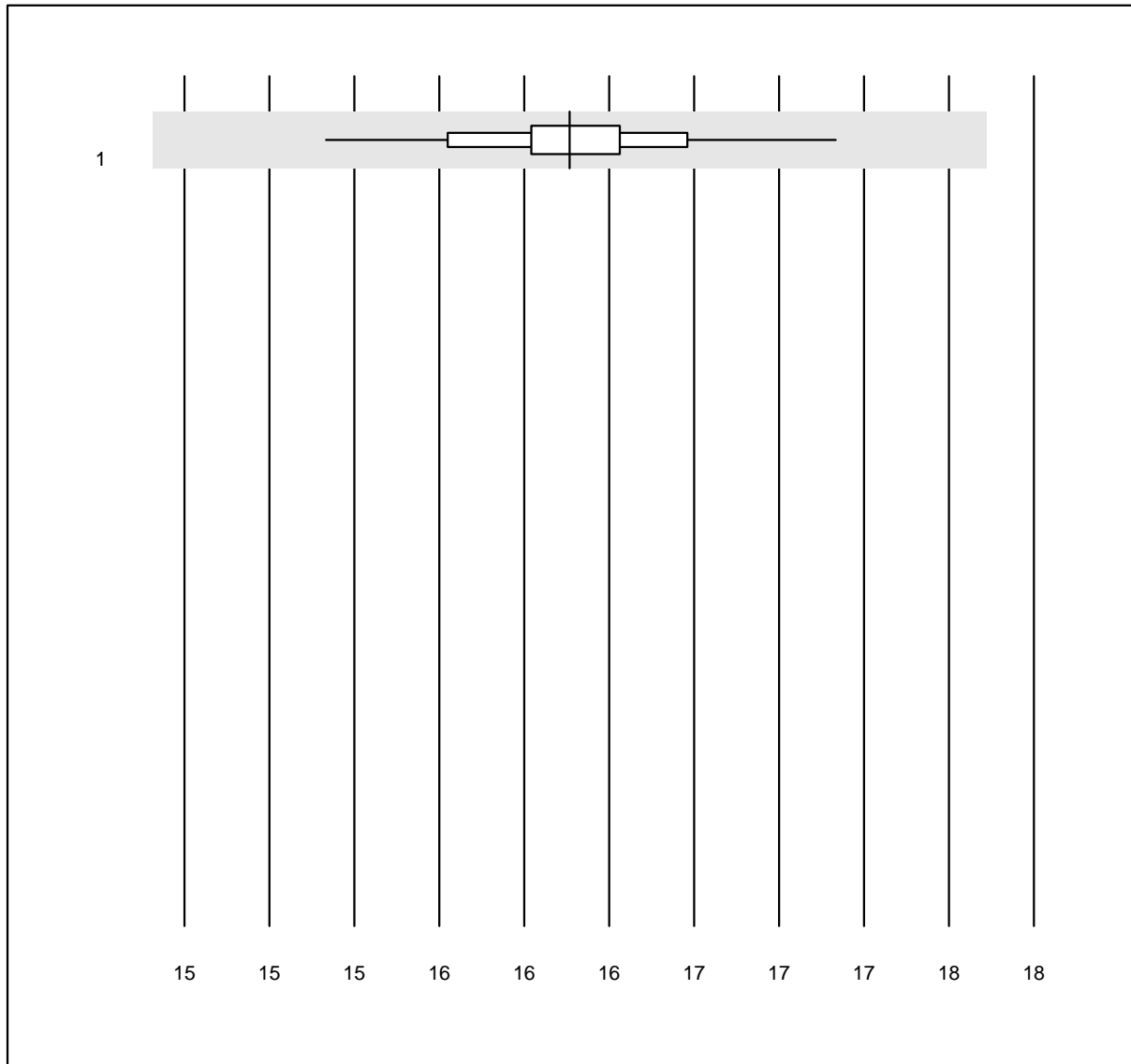


QUALAB Toleranz: 15%

Protein (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	100.0	0.0	0.0	640.7	3.8	e
2 Roche	34	100.0	0.0	0.0	518.9	3.0	e
3 Siemens	7	100.0	0.0	0.0	727.0	6.8	a*
4 Other methods	4	100.0	0.0	0.0	967.0	9.9	a*

Glucose



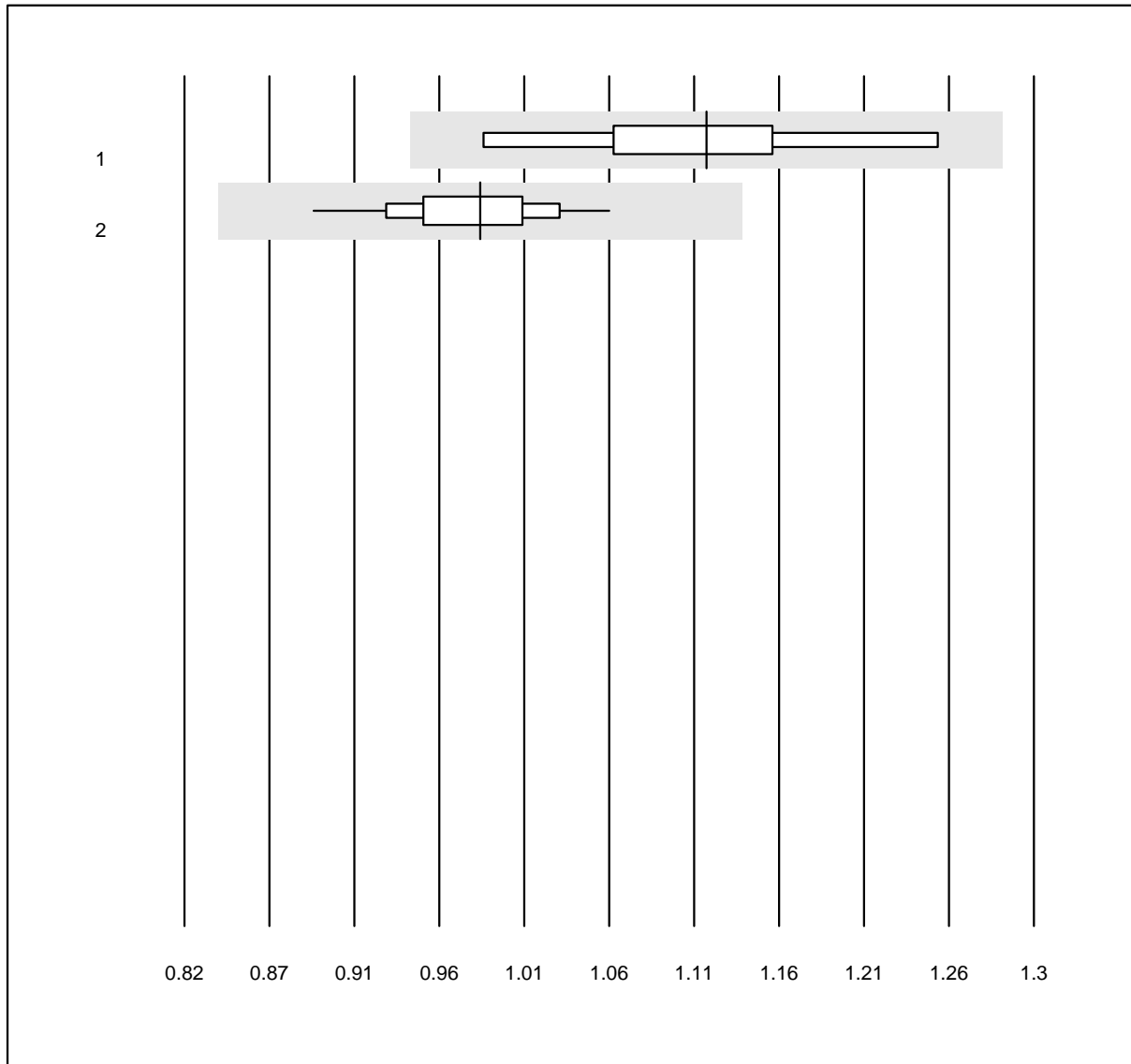
QUALAB Toleranz: 9%

Glucose (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Standard chemistry	32	100.0	0.0	0.0	16.4	2.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Uric Acid



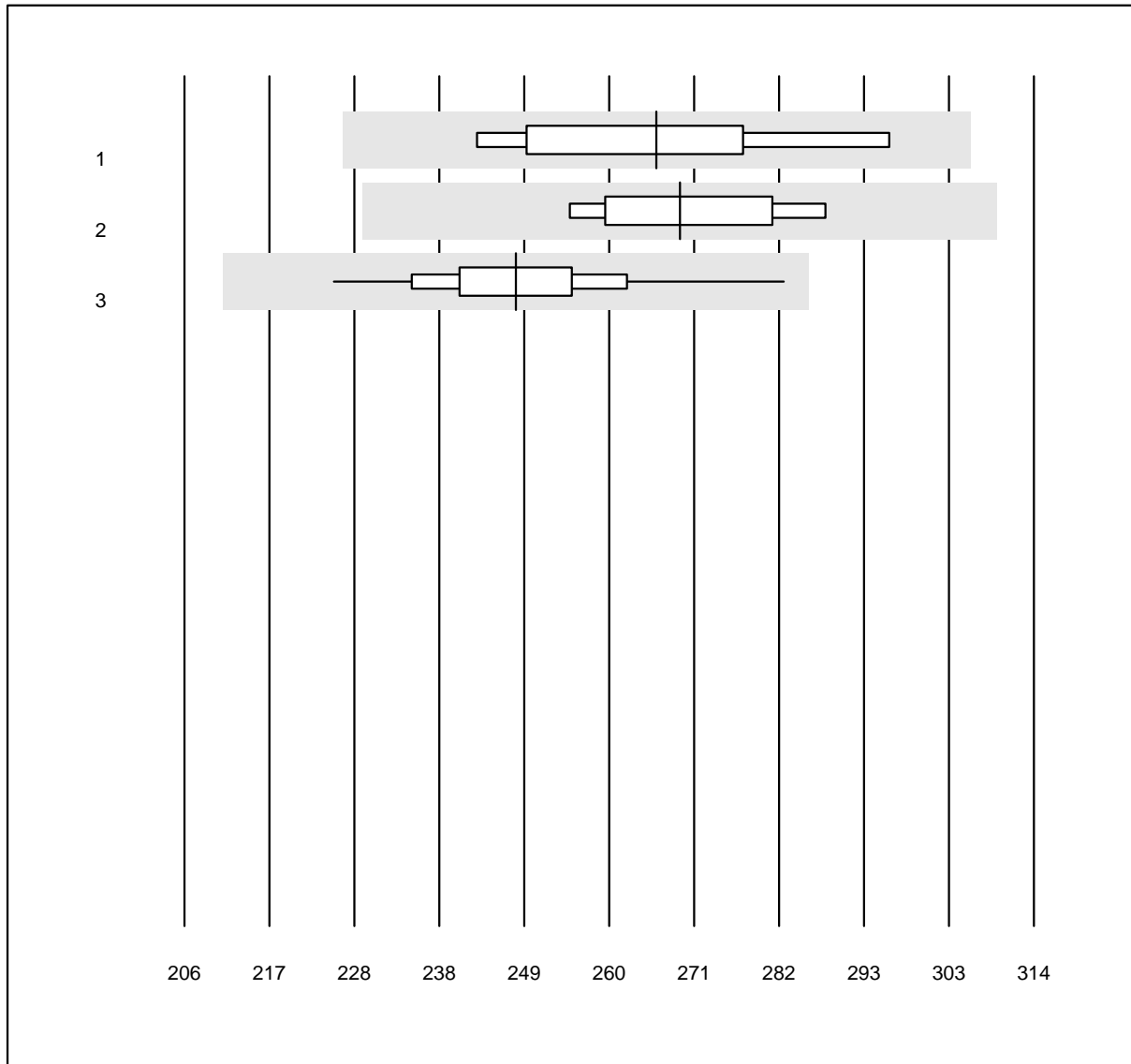
MQ Toleranz: 15%

Uric Acid (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	6	100.0	0.0	0.0	1.11	6.1	e*
2 Standard chemistry	29	100.0	0.0	0.0	0.99	4.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Urea

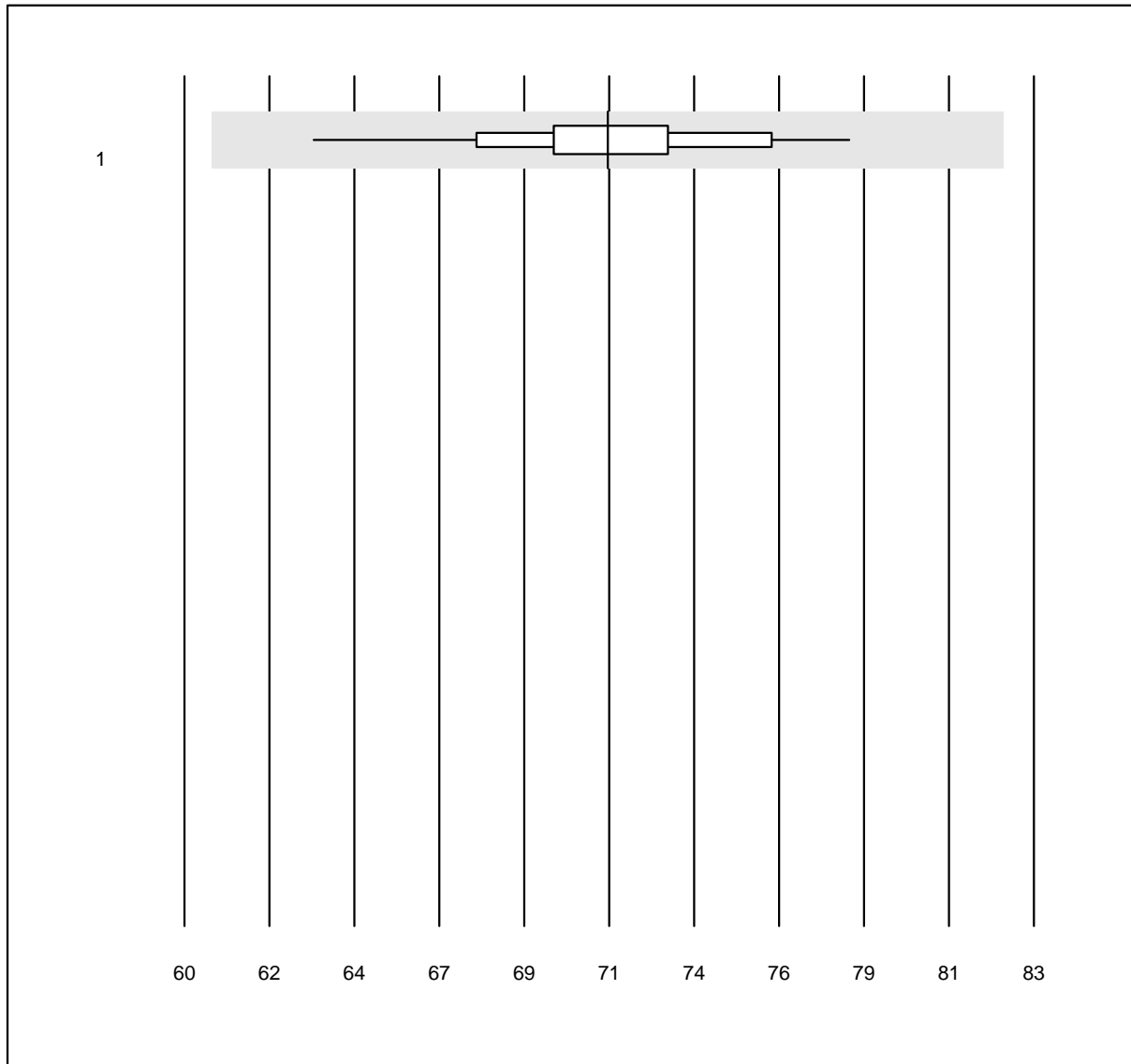


MQ Toleranz: 15%

Urea (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	6	100.0	0.0	0.0	266	6.1	e*
2 Vitros	4	100.0	0.0	0.0	269	4.1	e*
3 Standard chemistry	38	100.0	0.0	0.0	248	4.4	e

Potassium

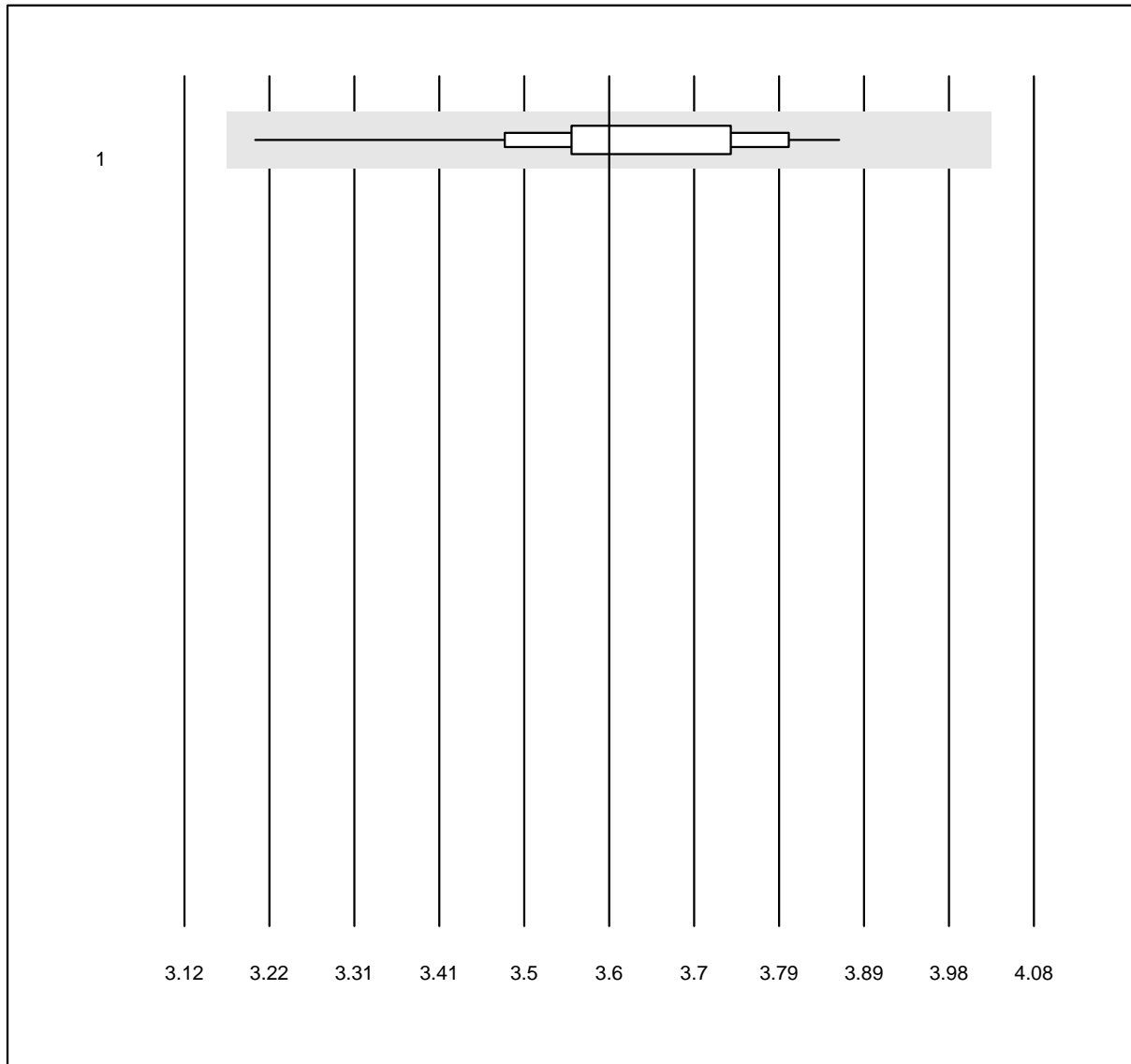


MQ Toleranz: 15%

Potassium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	48	95.8	0.0	4.2	71	4.0	e

Magnesium



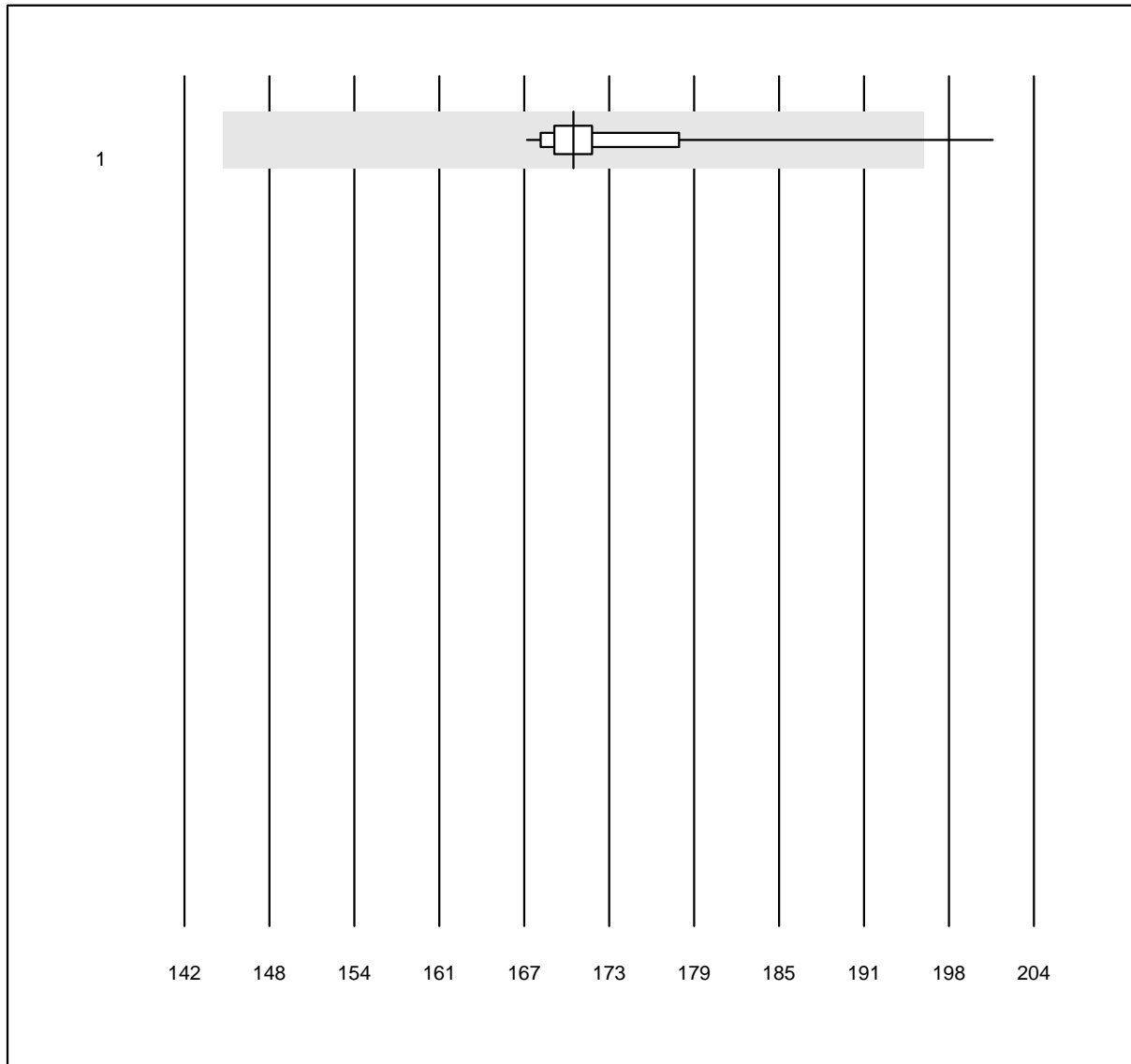
MQ Toleranz: 12%

Magnesium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Standard chemistry	26	100.0	0.0	0.0	3.60	3.9	a

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Sodium

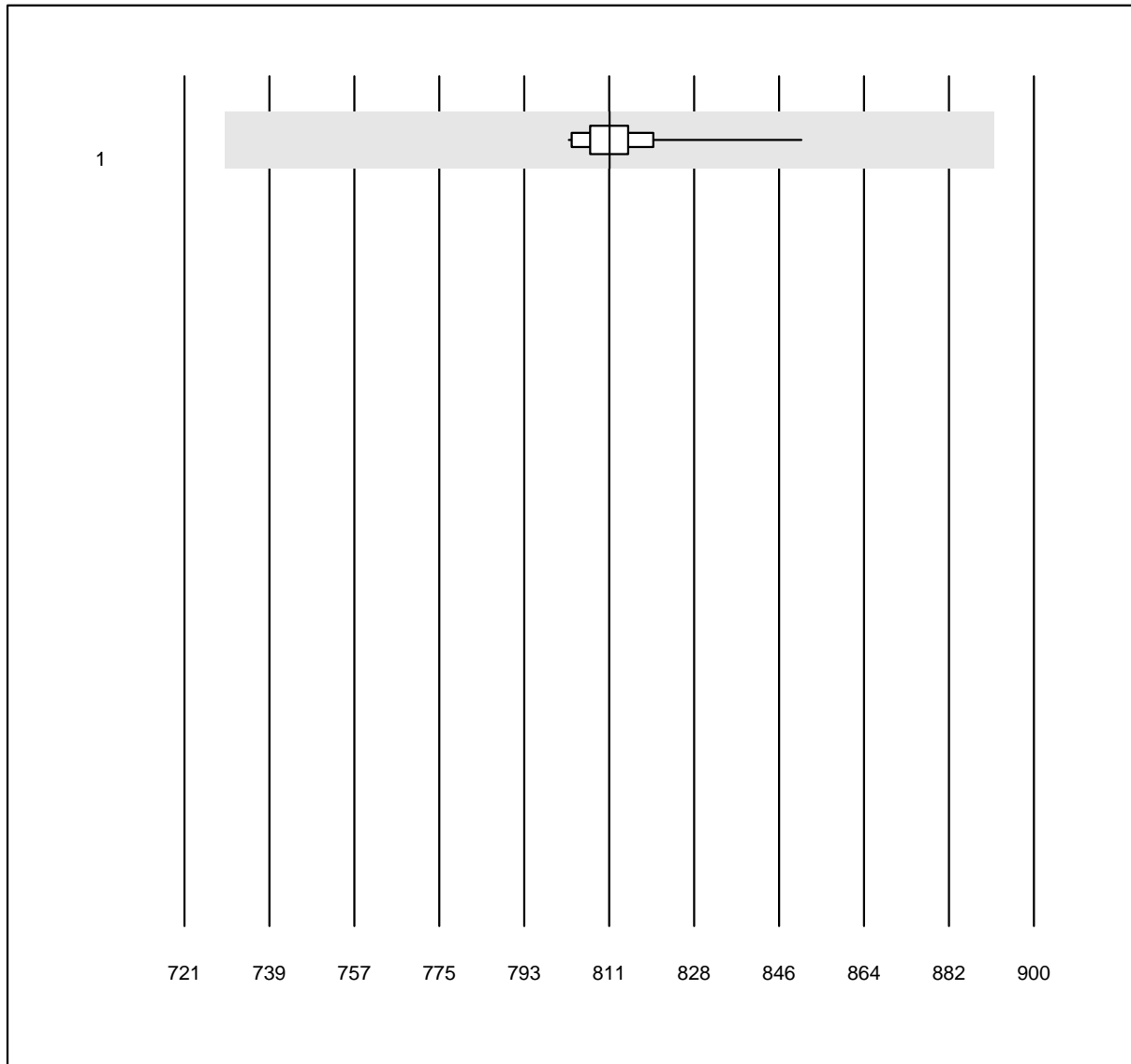


MQ Toleranz: 15%

Sodium (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	48	97.9	2.1	0.0	170	3.3	e

Osmolality

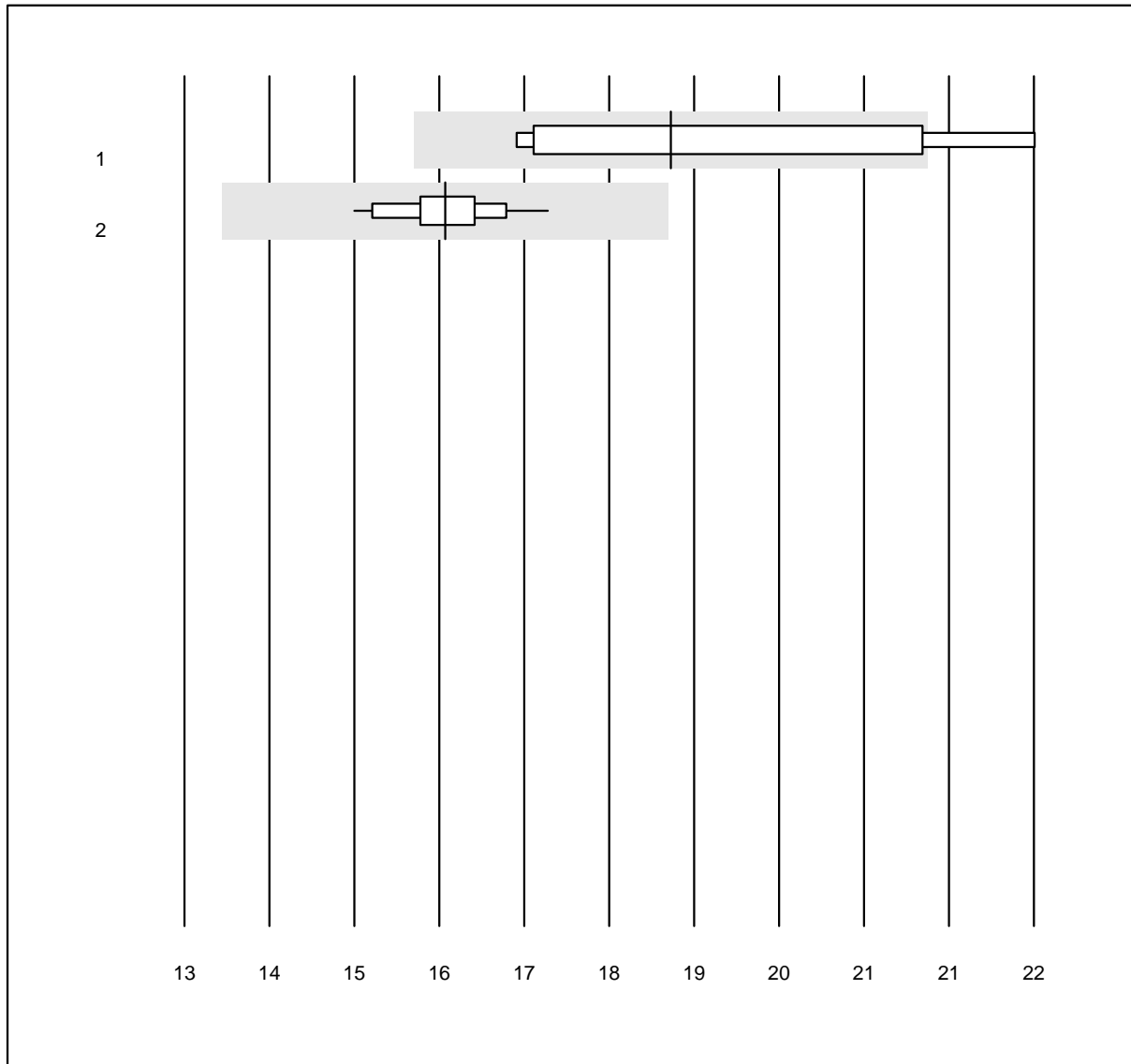


MQ Toleranz: 10%

Osmolality (mosm/kg)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Cryoskopy	26	96.2	0.0	3.8	811	1.2	e

Phosphate



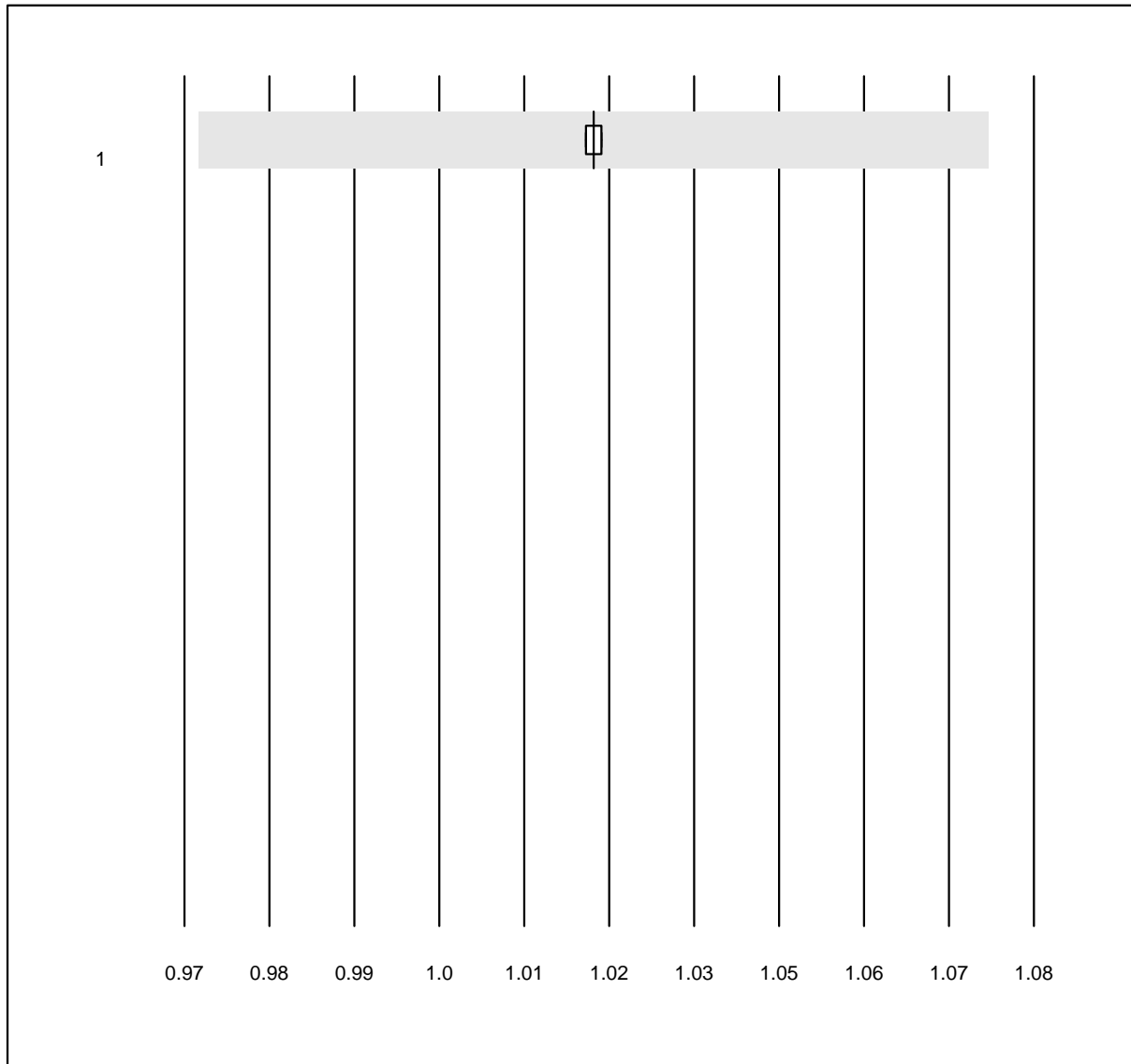
MQ Toleranz: 15%

Phosphate (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	5	80.0	20.0	0.0	18.2	11.8	e*
2 Standard chemistry	28	100.0	0.0	0.0	15.8	3.1	e

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Specific Gravity

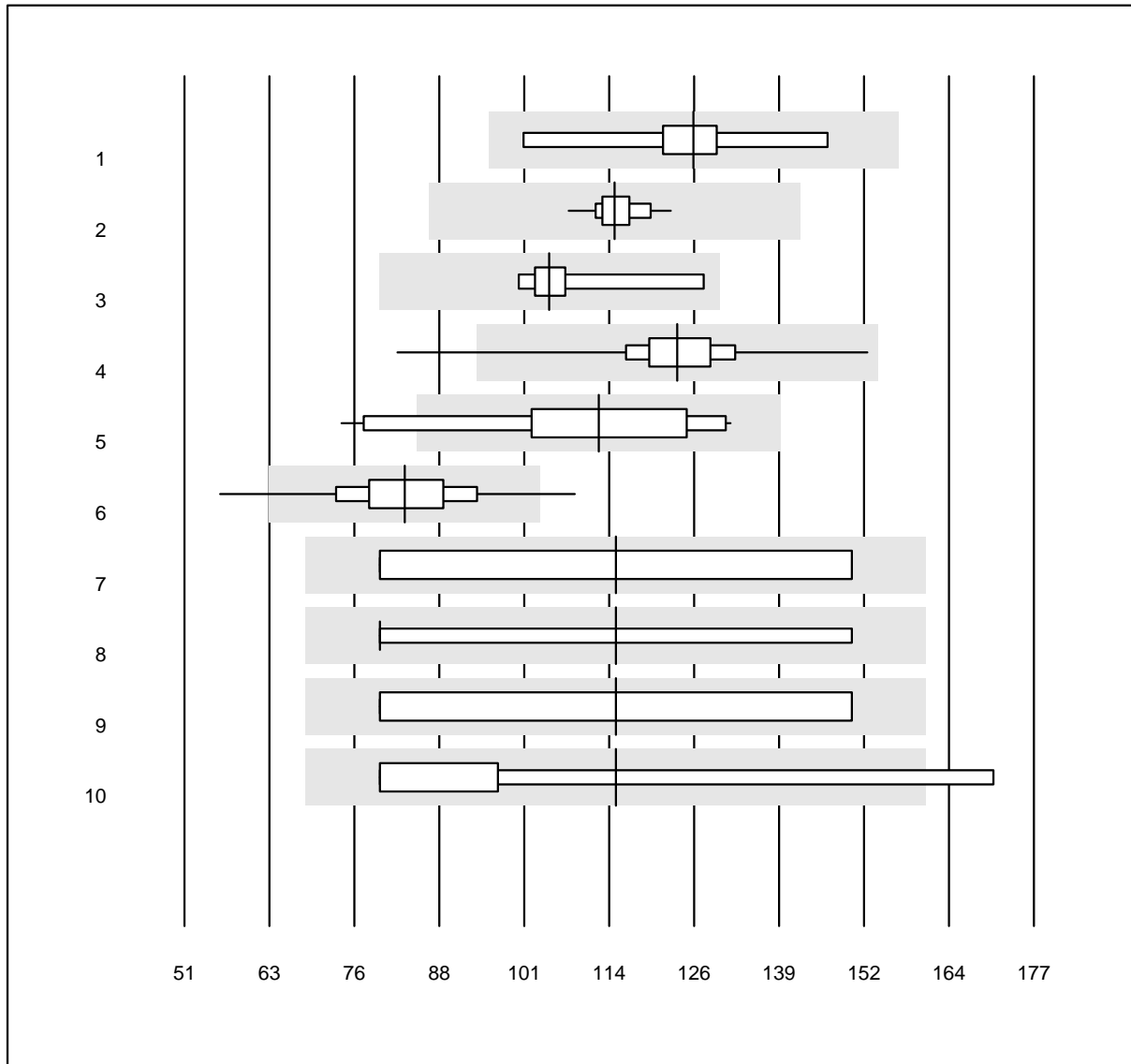


MQ Toleranz: 5%

Specific Gravity (g/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Refractometer	6	100.0	0.0	0.0	1.023	0.1	e

Creatinine U



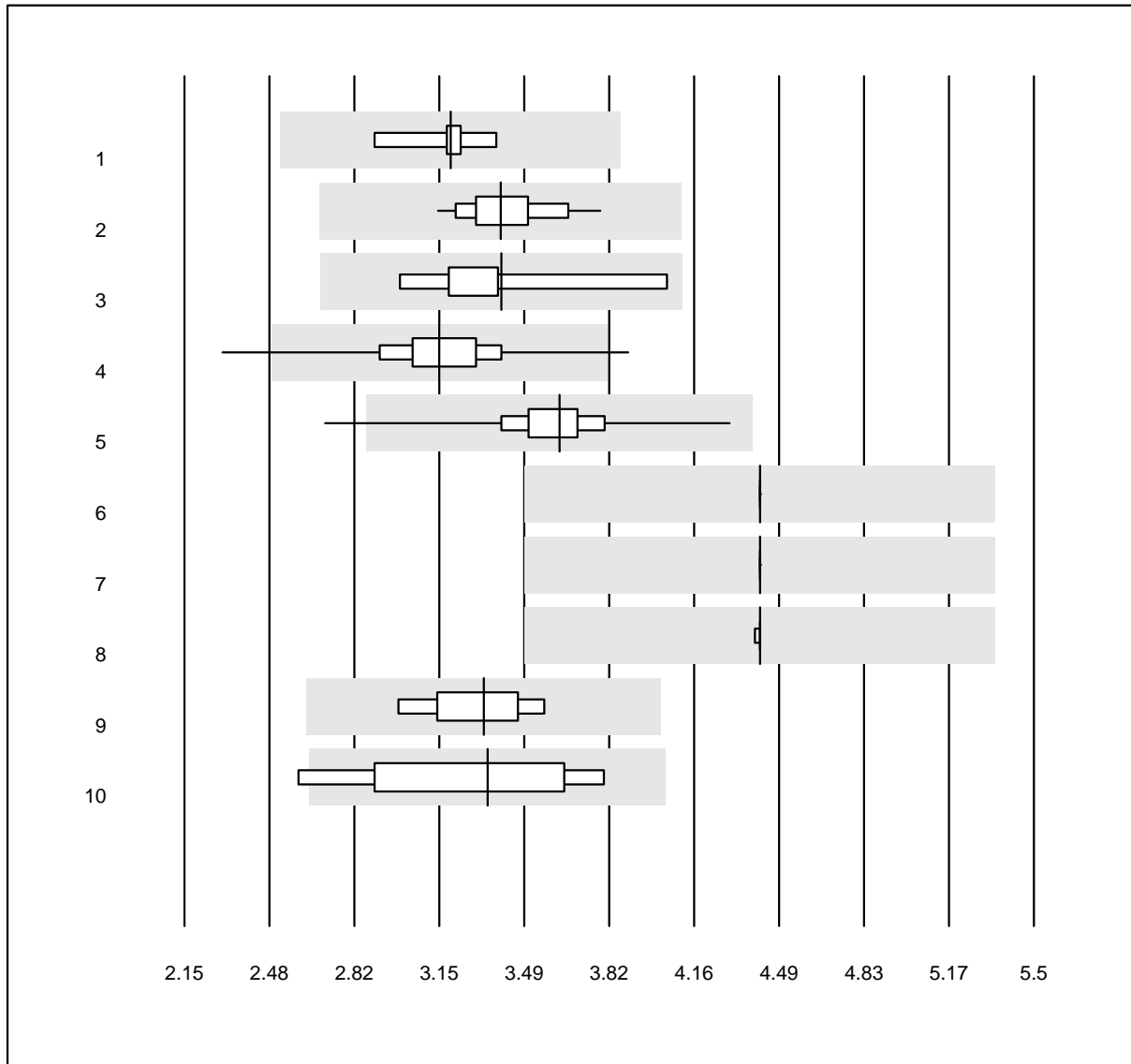
QUALAB Toleranz: 24%

Creatinine U (mg/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	100.0	0.0	0.0	126.5	9.3	e*
2 Roche	31	100.0	0.0	0.0	114.8	2.8	e
3 Siemens	7	100.0	0.0	0.0	105.1	7.4	e
4 DCA Vantage	168	95.8	1.8	2.4	124.1	6.9	e
5 AFIAS	20	70.0	10.0	20.0	112.5	15.5	e*
6 Afinion	569	96.7	1.4	1.9	83.7	9.9	e
7 Sysmex U	18	94.4	0.0	5.6	115.0	29.6	a*
8 Aution	21	90.5	0.0	9.5	115.0	30.9	a*
9 Siemens Clinitek	22	95.5	0.0	4.5	115.0	32.7	a*
10 Other methods	11	54.5	0.0	45.5	115.0	31.2	a*

1 additional results were submitted but not published because the method groups were too small. (< results per group)

Creatinine urine



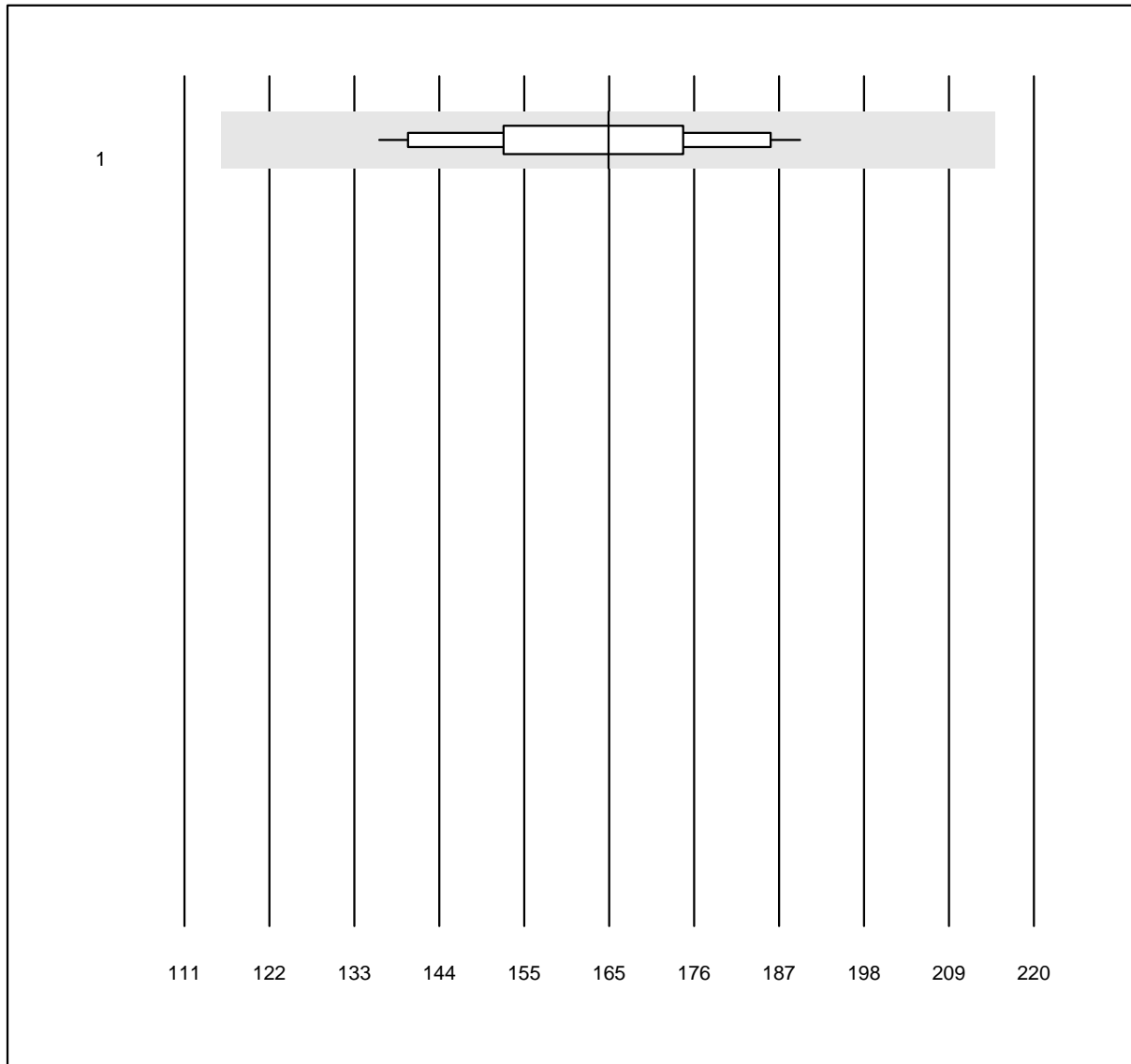
QUALAB Toleranz: 21%

Creatinine urine (mmol/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Abbott	9	100.0	0.0	0.0	3.2	3.9	e
2 Roche	38	100.0	0.0	0.0	3.4	4.6	e
3 Siemens	9	100.0	0.0	0.0	3.4	8.7	a*
4 Afinion	564	98.8	0.7	0.5	3.2	5.9	e
5 DCA Vantage	169	94.7	1.2	4.1	3.6	5.7	e
6 Sysmex U	16	81.2	0.0	18.8	4.4	0.0	e
7 Aution	21	81.0	0.0	19.0	4.4	0.0	e
8 Siemens Clinitek	20	90.0	0.0	10.0	4.4	0.2	e
9 Vitros	4	100.0	0.0	0.0	3.3	5.1	e*
10 Standard chemistry	4	100.0	0.0	0.0	3.3	11.8	e*

3 additional results were submitted but not published because the method groups were too small. (< results per group)

Erythrocytes



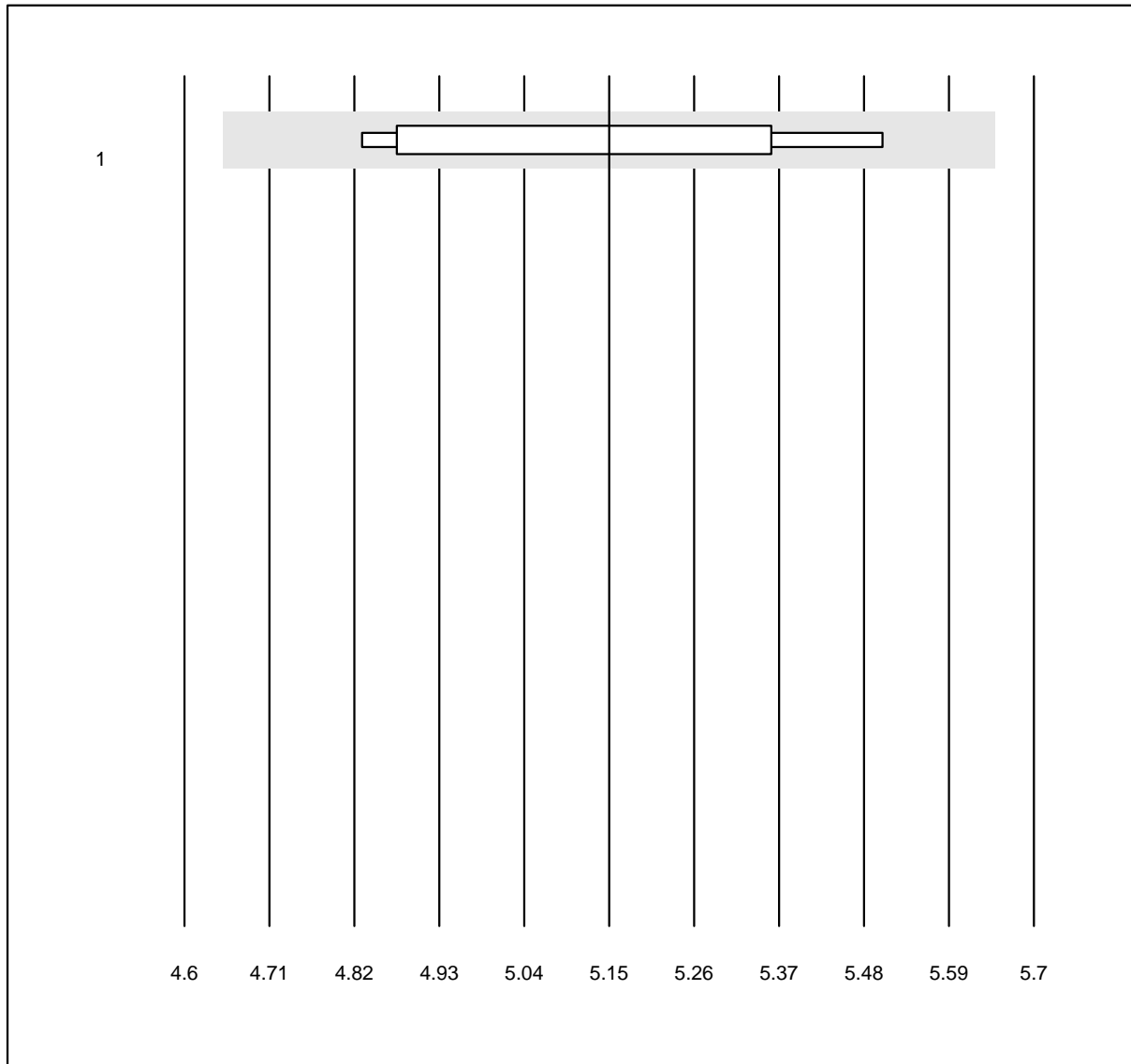
MQ Toleranz: 30%

Erythrocytes (μl)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Sysmex	18	100.0	0.0	0.0	165	9.4	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

CMV NAT qn

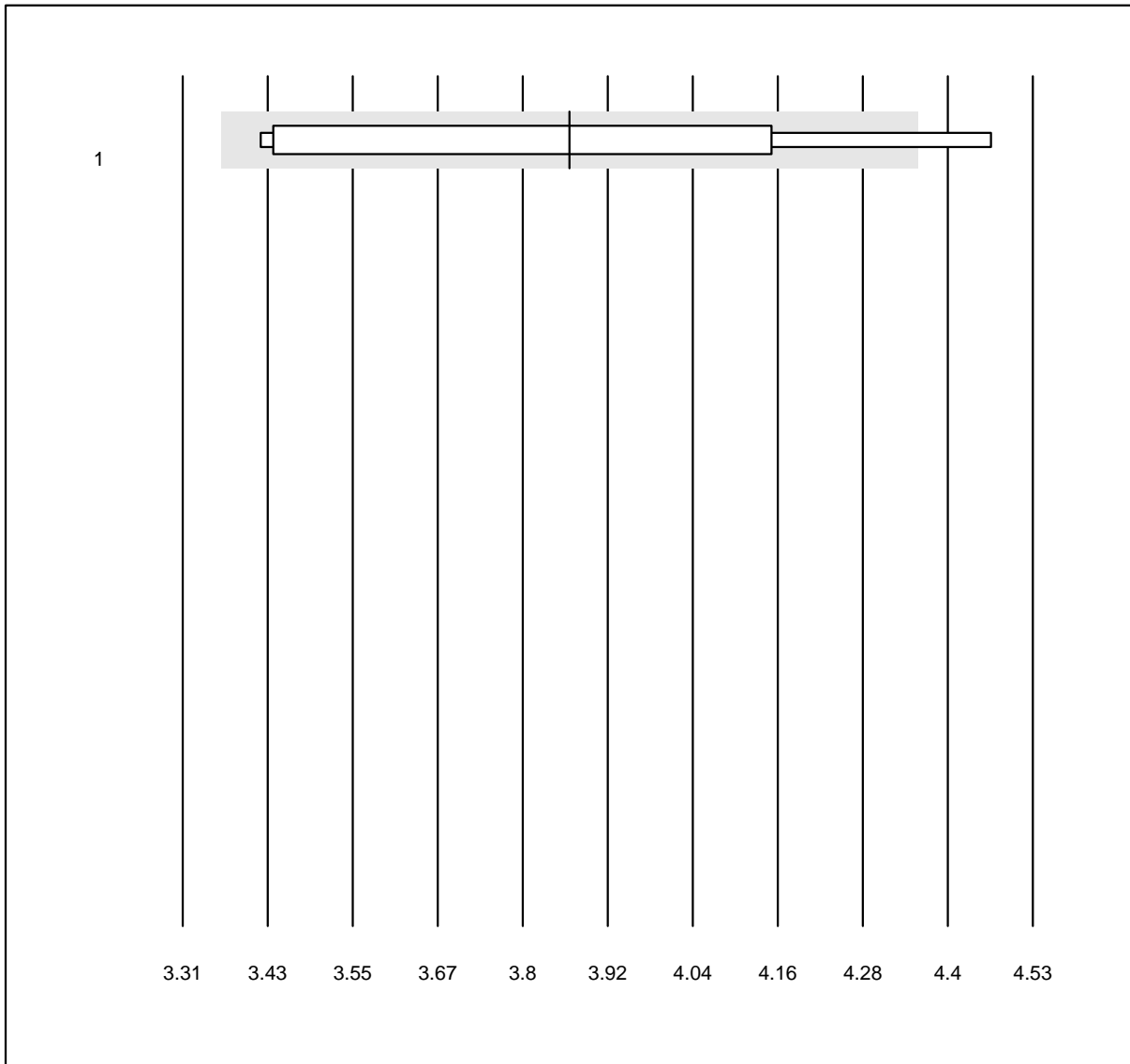


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 IU/ml)

CMV NAT qn (Log10 IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	5	100.0	0.0	0.0	5.15	5.0	e*

EBV NAT qn

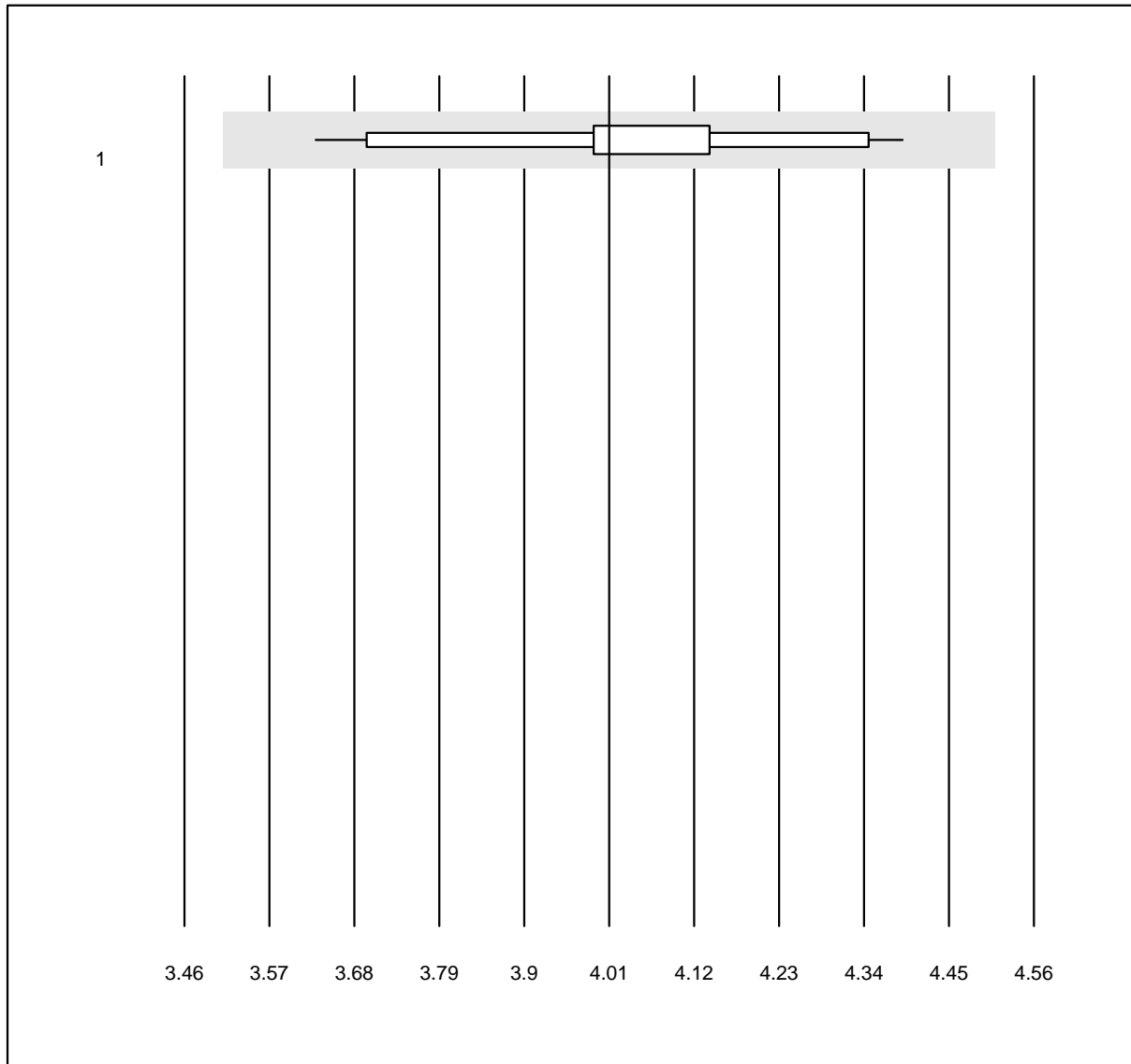


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 IU/ml)

EBV NAT qn (Log10 IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	5	100.0	0.0	0.0	3.87	10.0	a*

HCV NAT qn

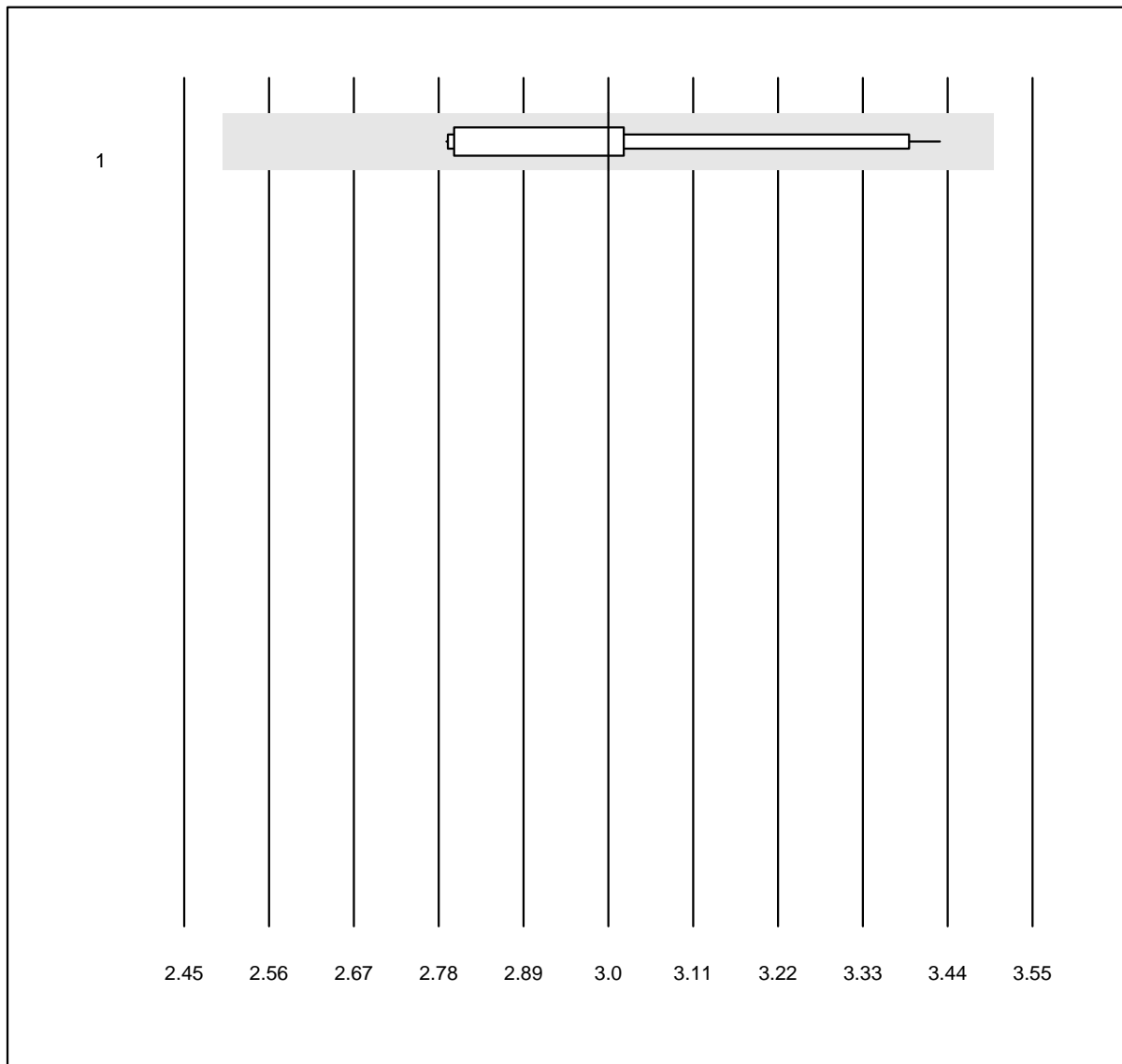


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 IU/ml)

HCV NAT qn (Log10 IU/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	11	100.0	0.0	0.0	4.01	4.5	a

HIV1 NAT qn

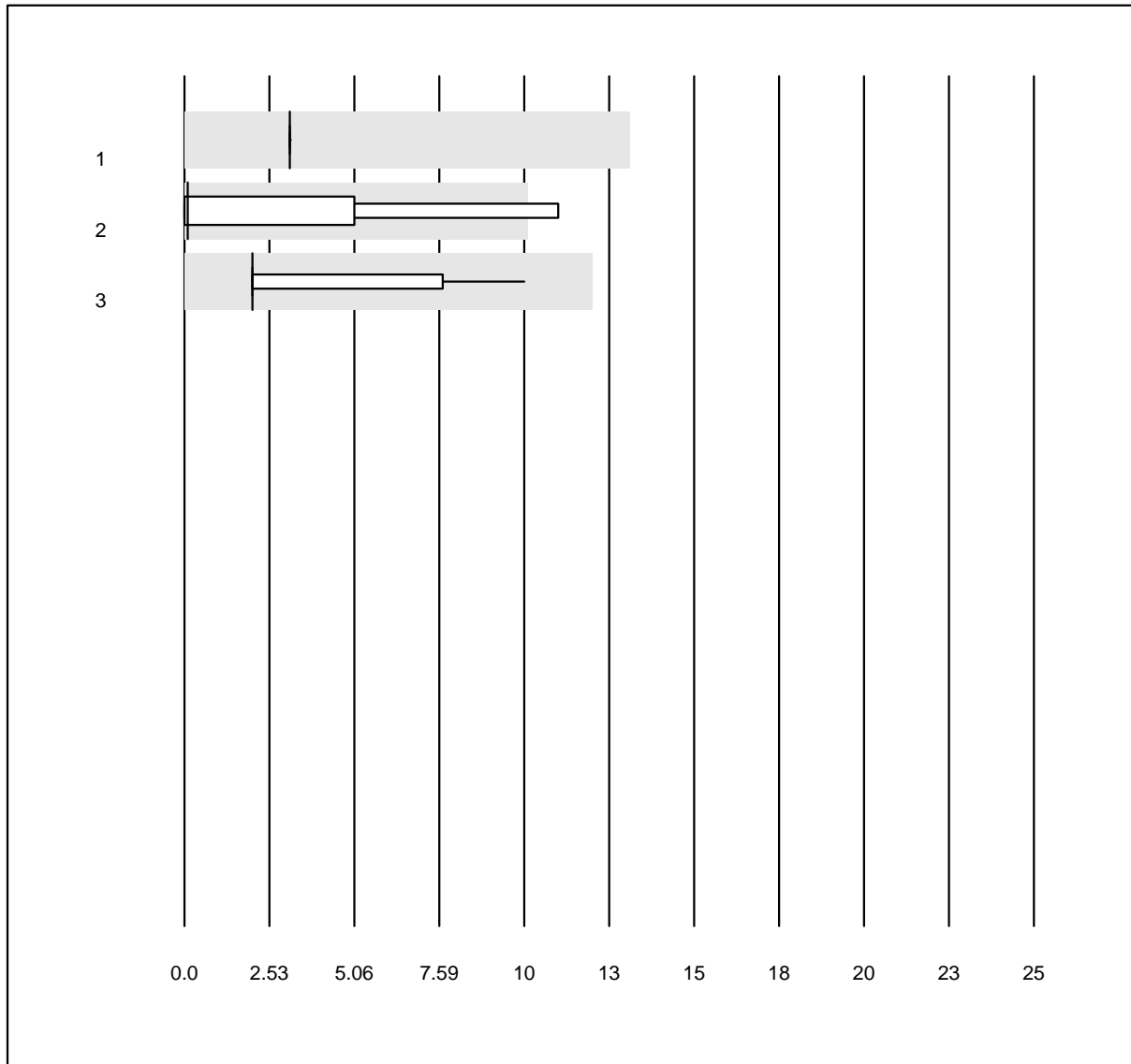


QUALAB Toleranz: 0%
(< 15.0: +/- 0.5 Log10 cp/ml)

HIV1 NAT qn (Log10 cp/ml)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 all Participants	11	100.0	0.0	0.0	3.00	6.8	a*

Anti-HBs Ig total qn sample A



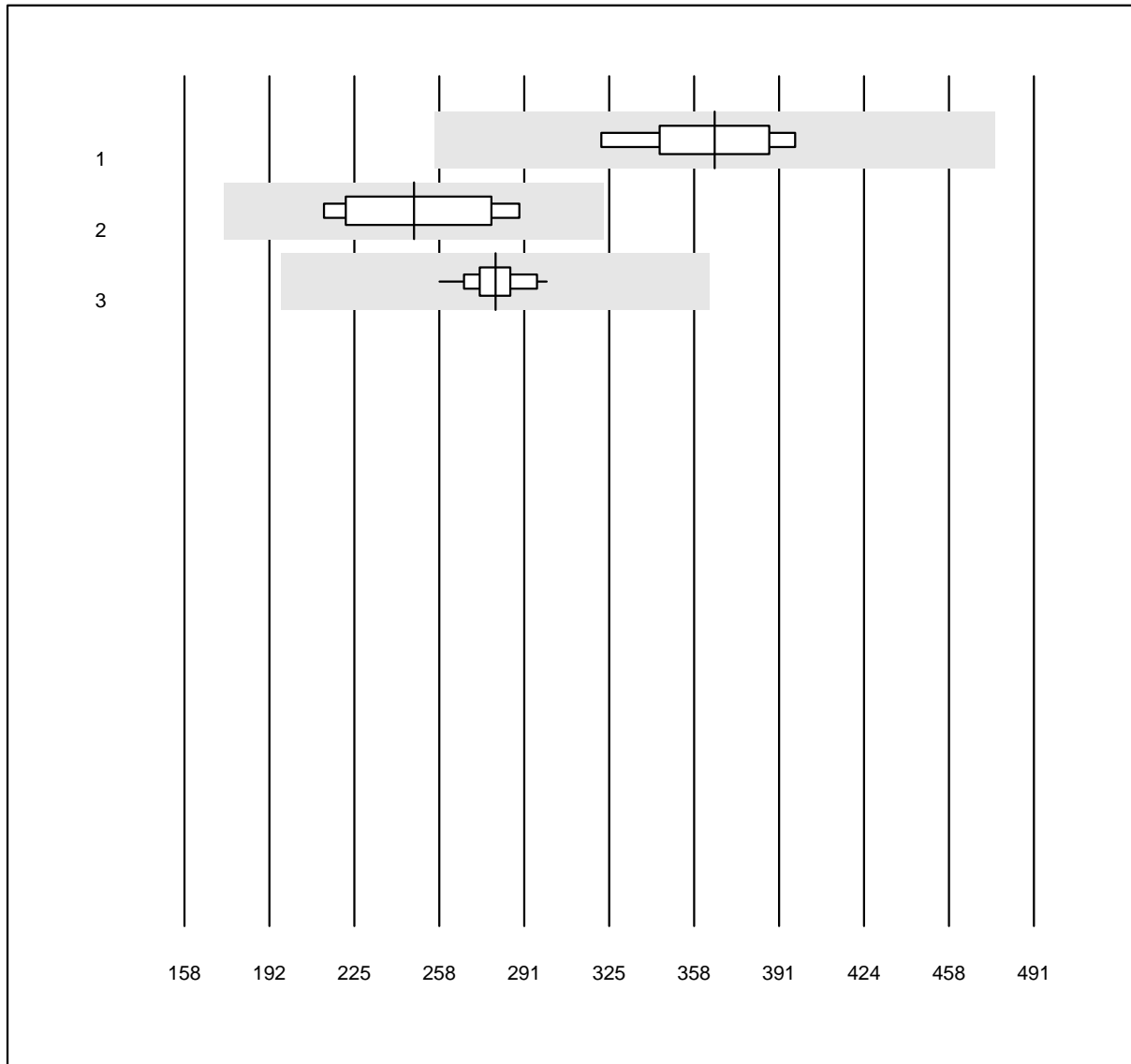
QUALAB Toleranz: 30%
(< 30.0: +/- 10.0 U/l)

Anti-HBs Ig total qn sample
A (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	5	100.0	0.0	0.0	3	0.0	e
2 Abbott	7	100.0	0.0	0.0	0	179.0	e
3 Roche	22	100.0	0.0	0.0	2	91.8	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

Anti-HBs Ig total qn sample B



QUALAB Toleranz: 30%

Anti-HBs Ig total qn sample
B (U/l)

No. Method	Total	% OK	% insuff.	% outlier	Target Value	VK %	Type
1 Siemens	5	100.0	0.0	0.0	366	6.5	e
2 Abbott	8	100.0	0.0	0.0	248	11.3	e*
3 Roche	22	100.0	0.0	0.0	280	3.6	e

2 additional results were submitted but not published because the method groups were too small. (< results per group)

