

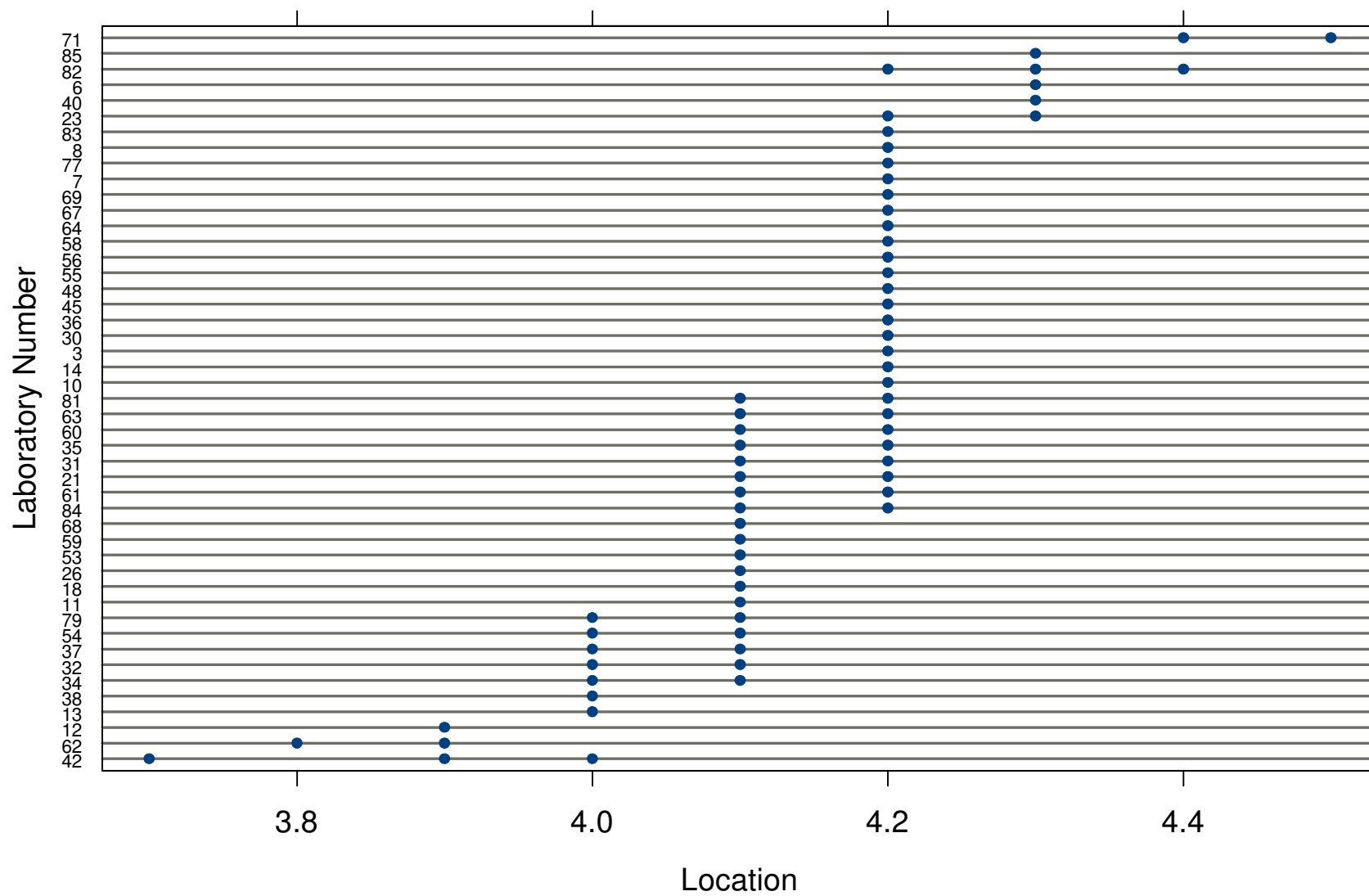
Annex 5: Statistical data analysis

Group 2: Soil reaction (SA06)
Results rounded to 1 decimal

pH(CaCl₂)

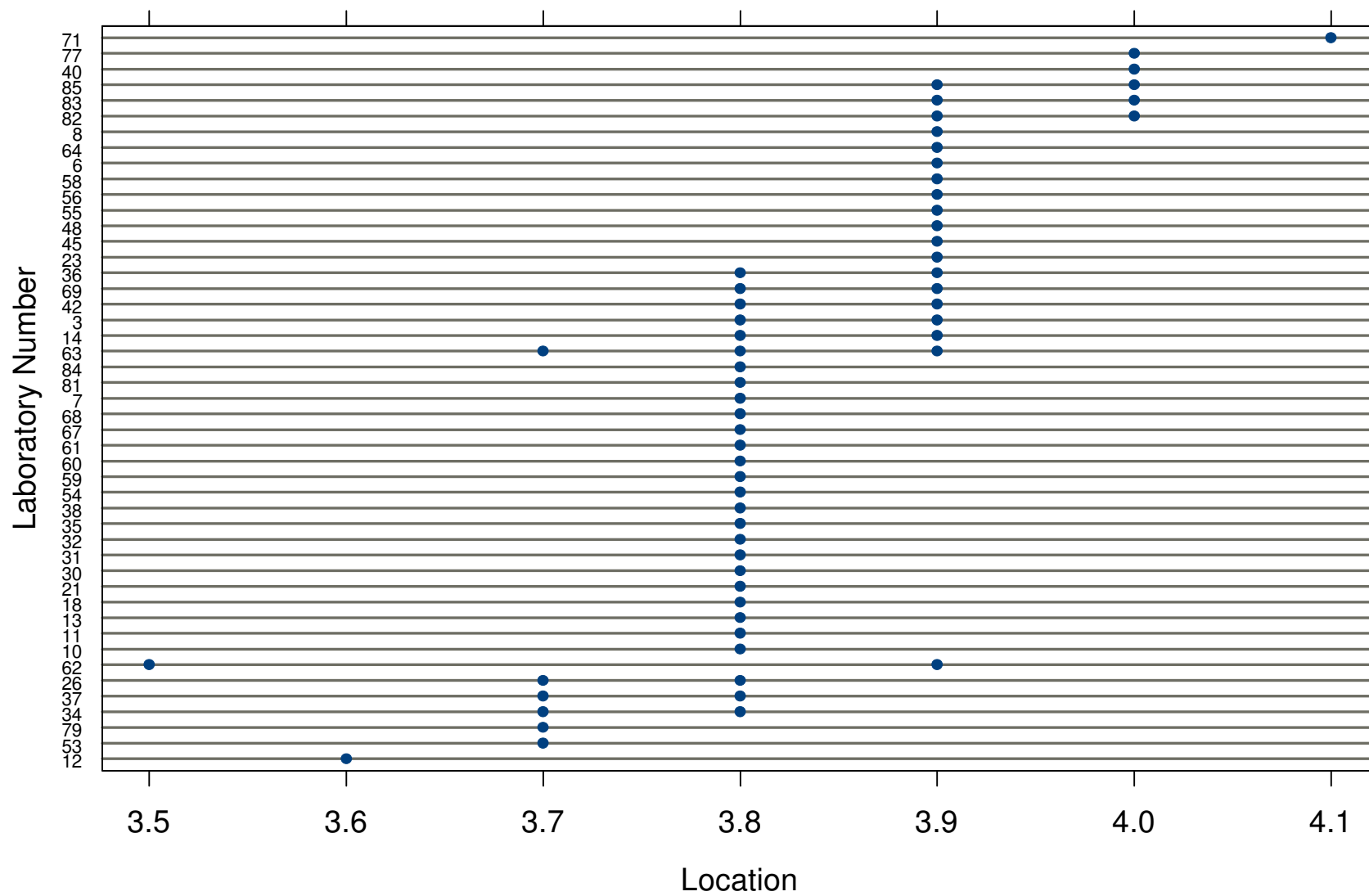
Dot plot sample A

2 - pHCaCl2 - Sample A



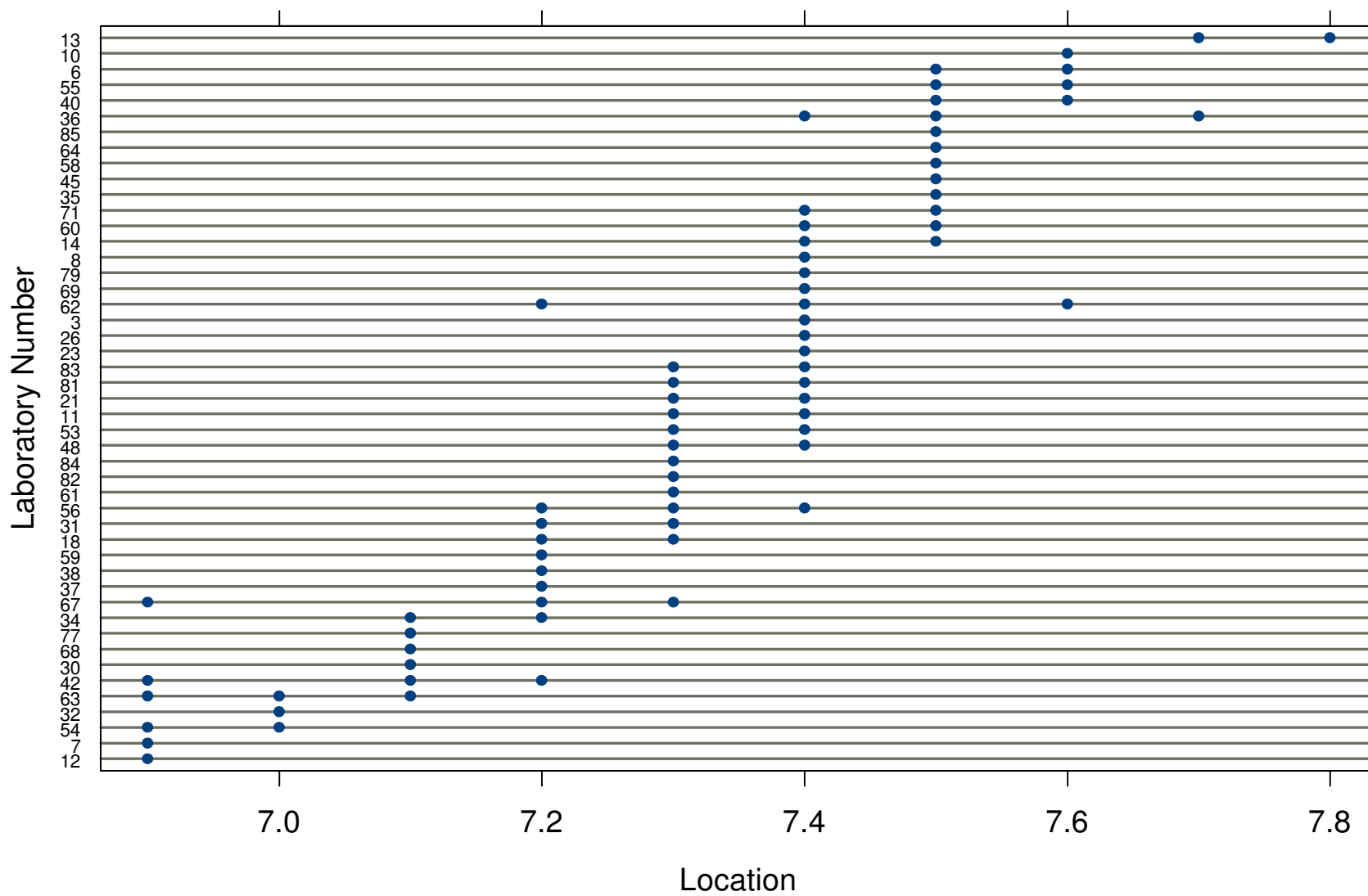
Dot plot sample B

2 - pHCaCl2 - Sample B



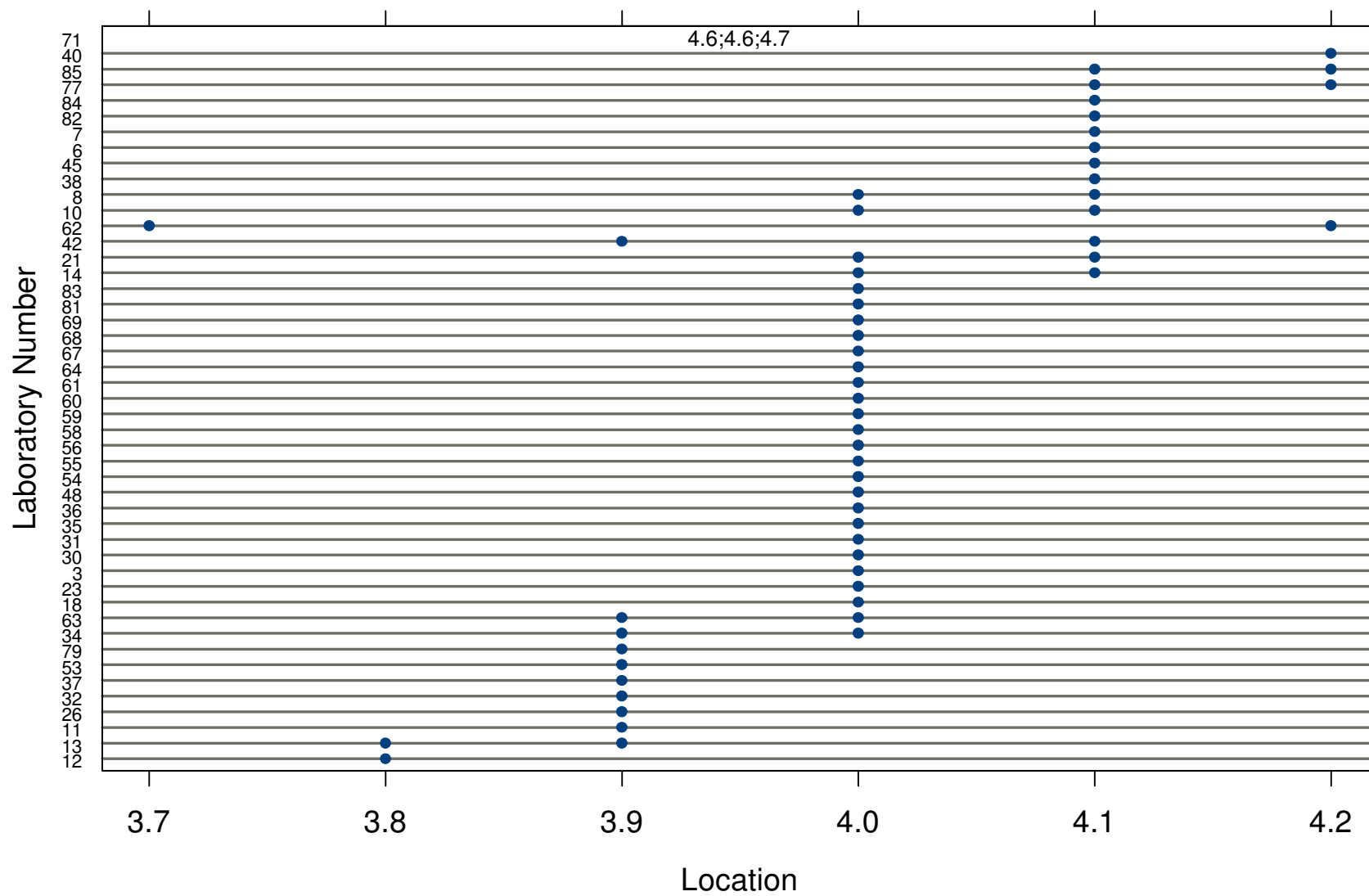
Dot plot sample C

2 - pH_{CaCl2} - Sample C



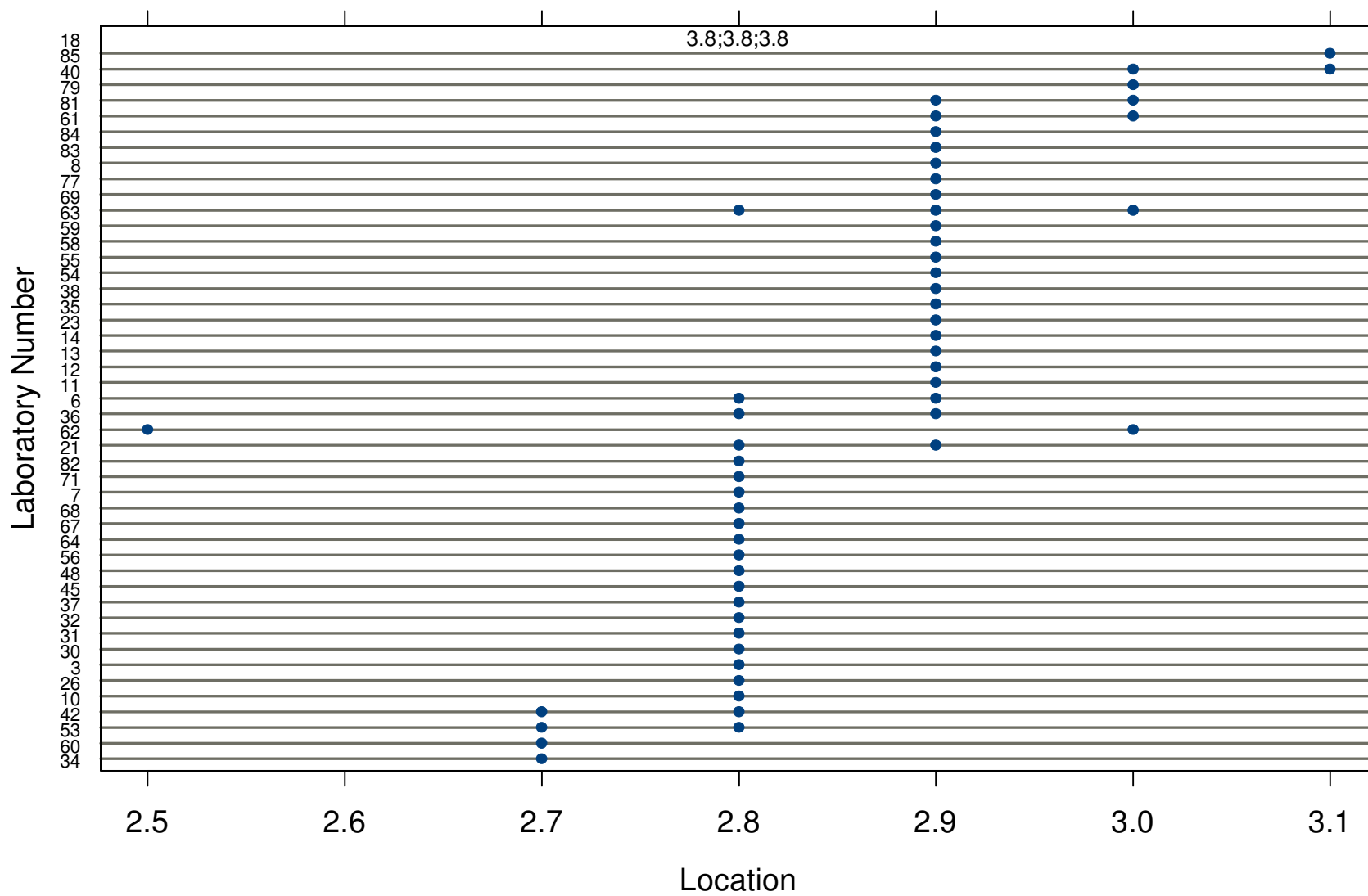
Dot plot sample D

2 - pHCaCl2 - Sample D

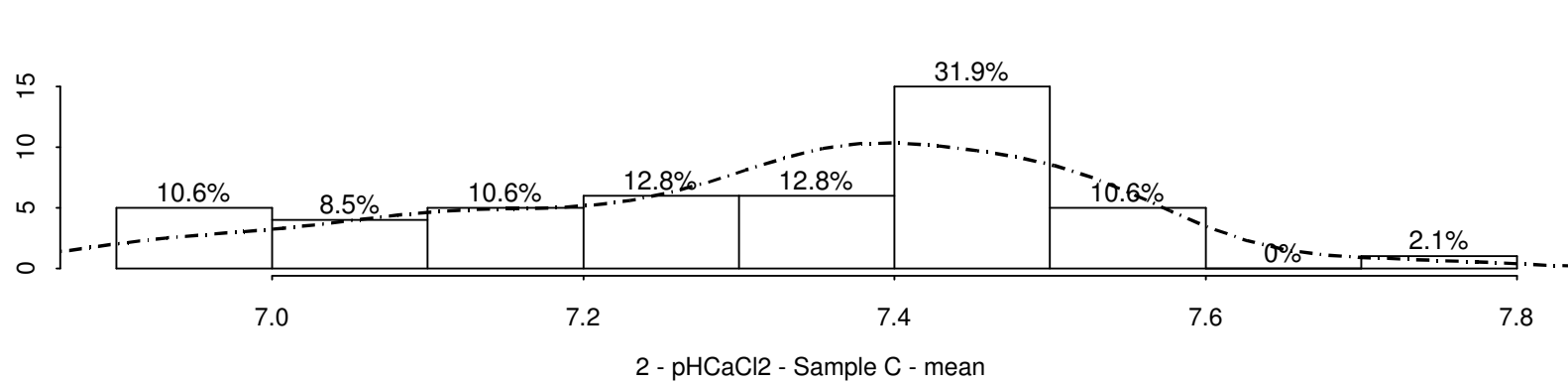
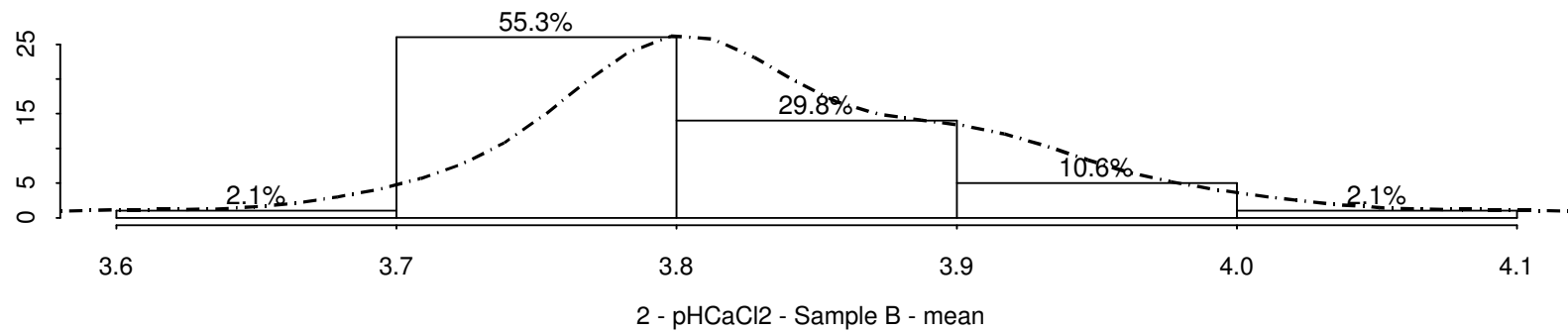
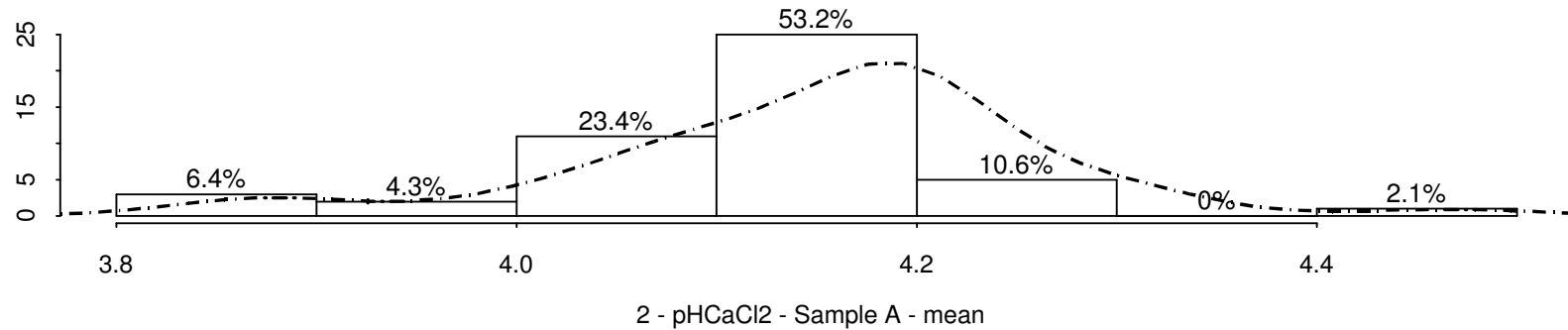


Dot plot sample E

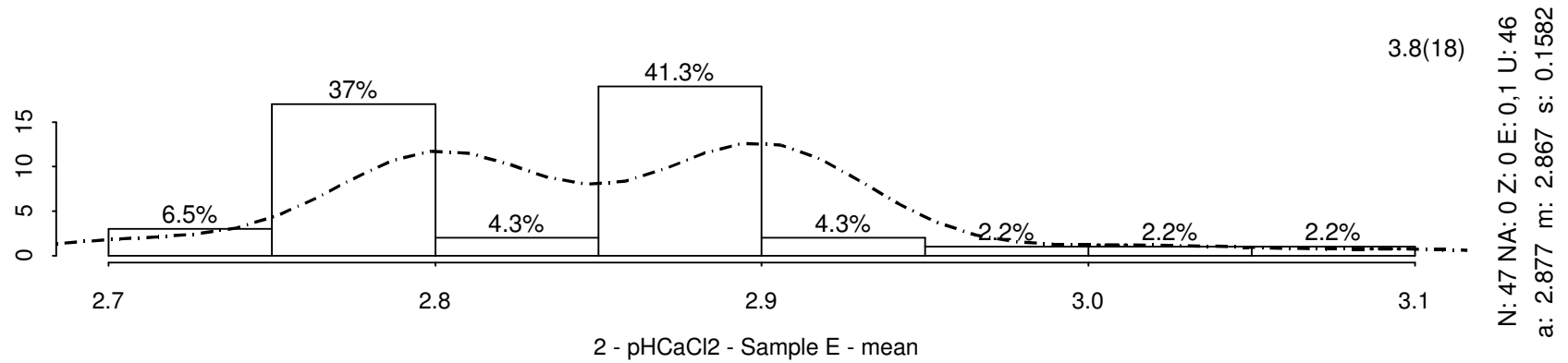
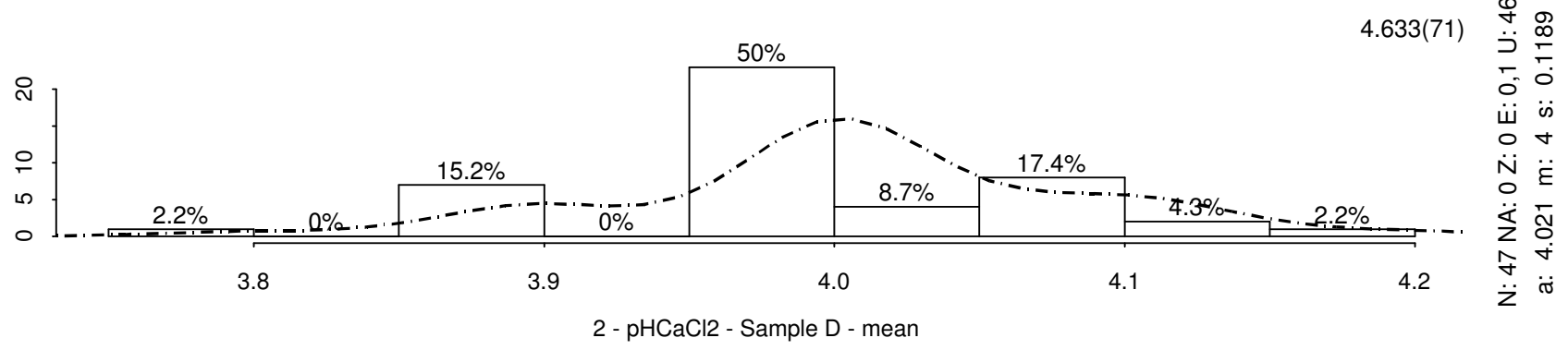
2 - pHCaCl2 - Sample E



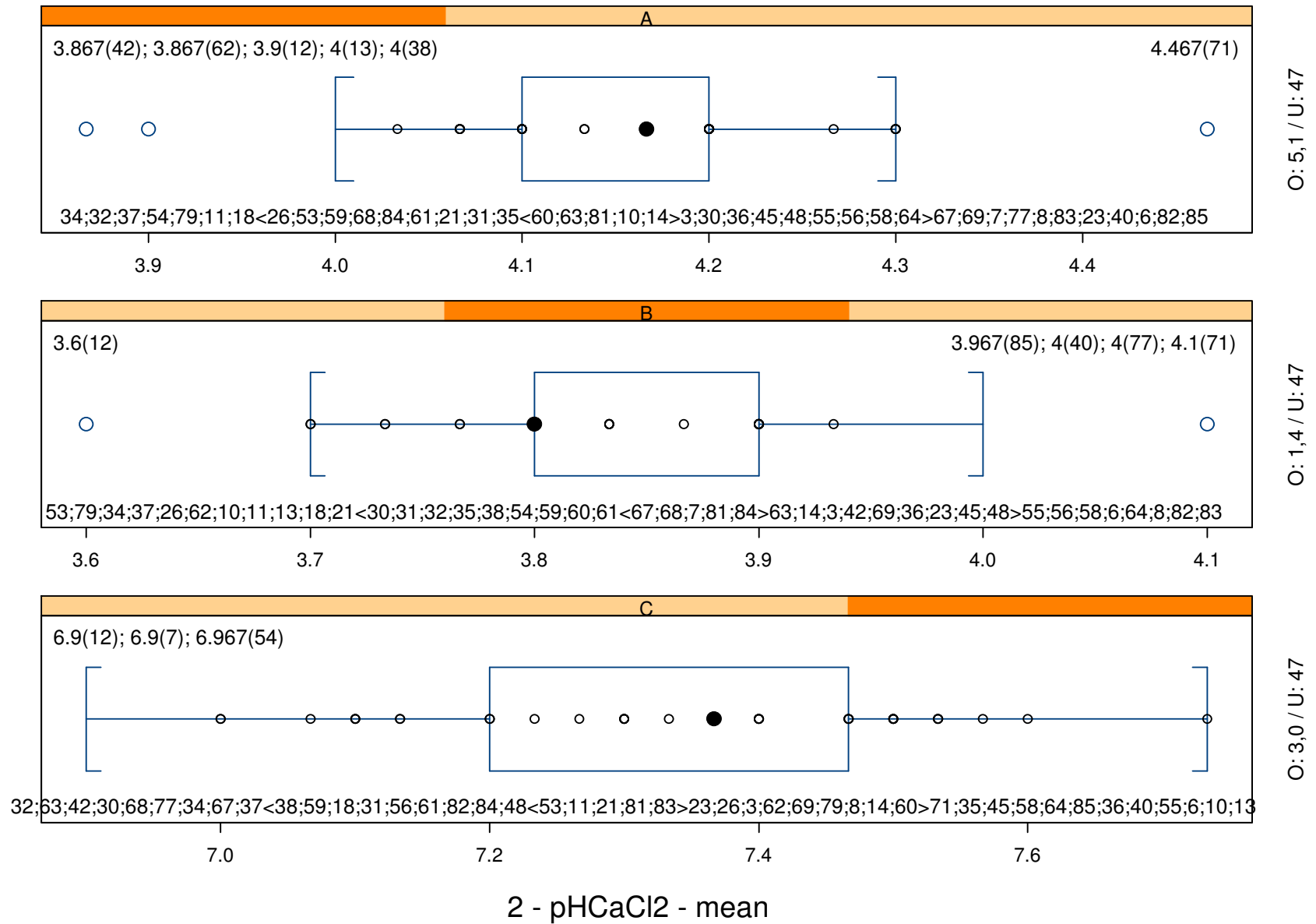
Histogram of the means of samples A, B and C



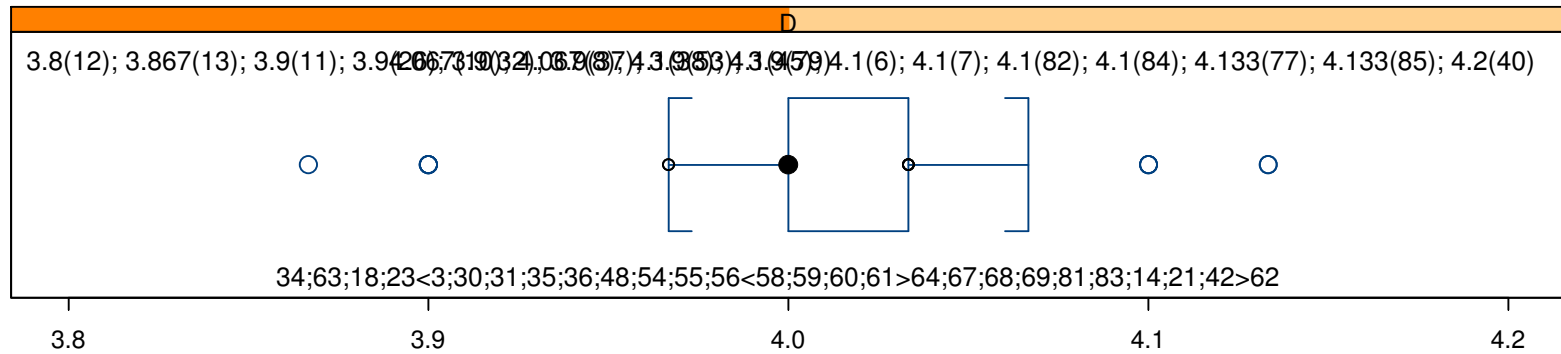
Histogram of the means of samples D and E



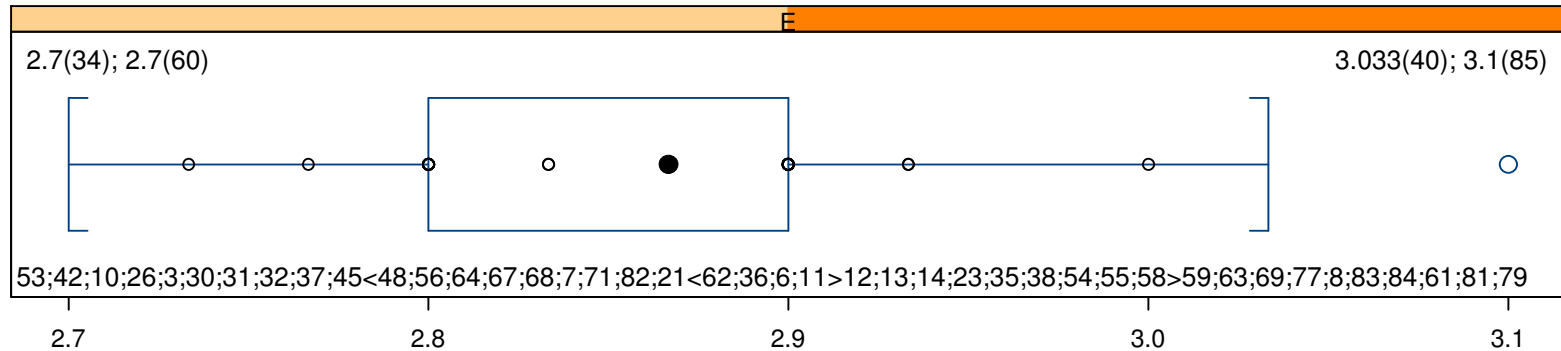
Box plot of the means of samples A, B and C



Box plot of the means of samples D and E



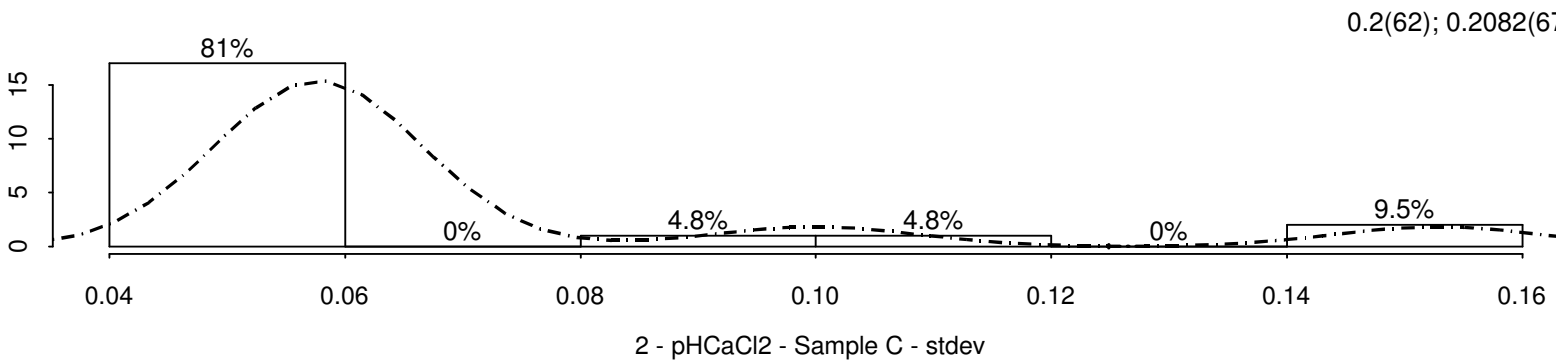
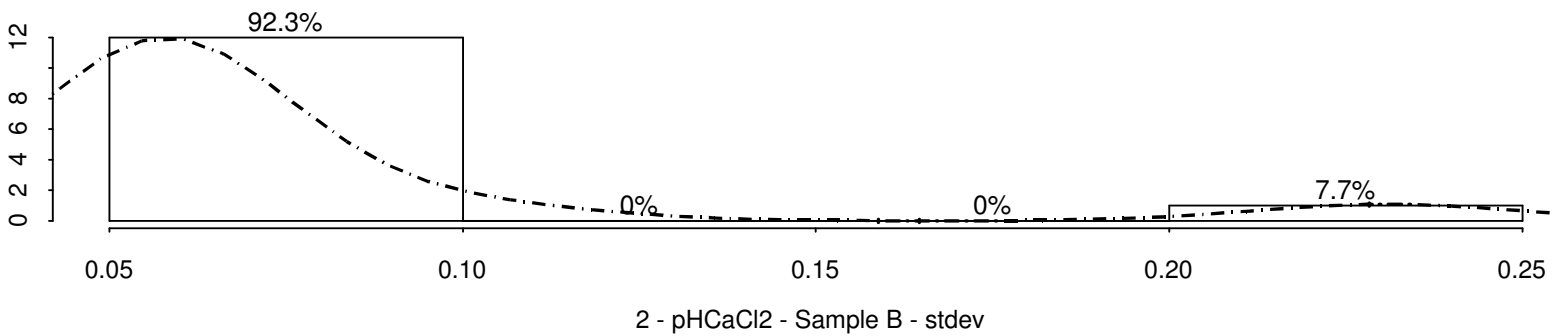
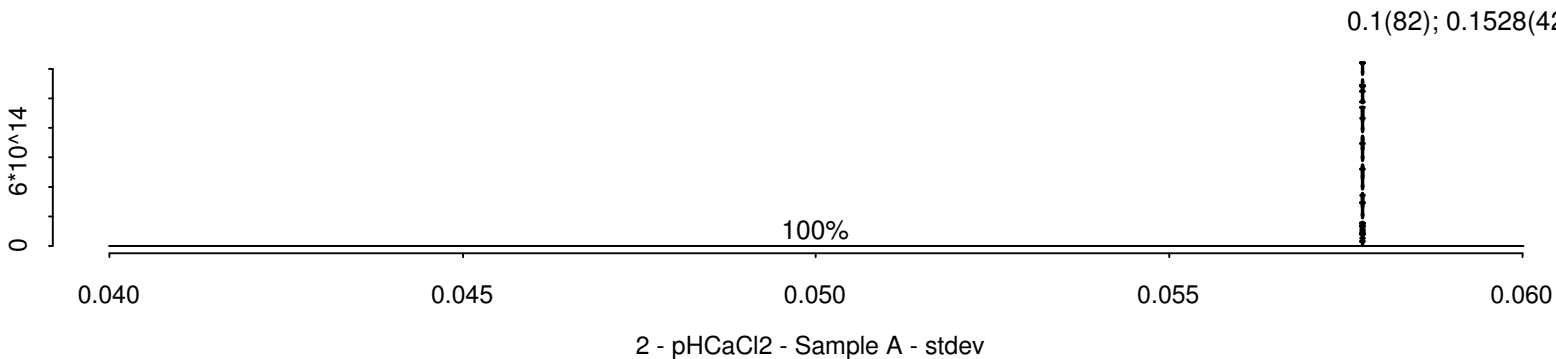
O: 8,11 / U: 46



O: 2,2 / U: 46

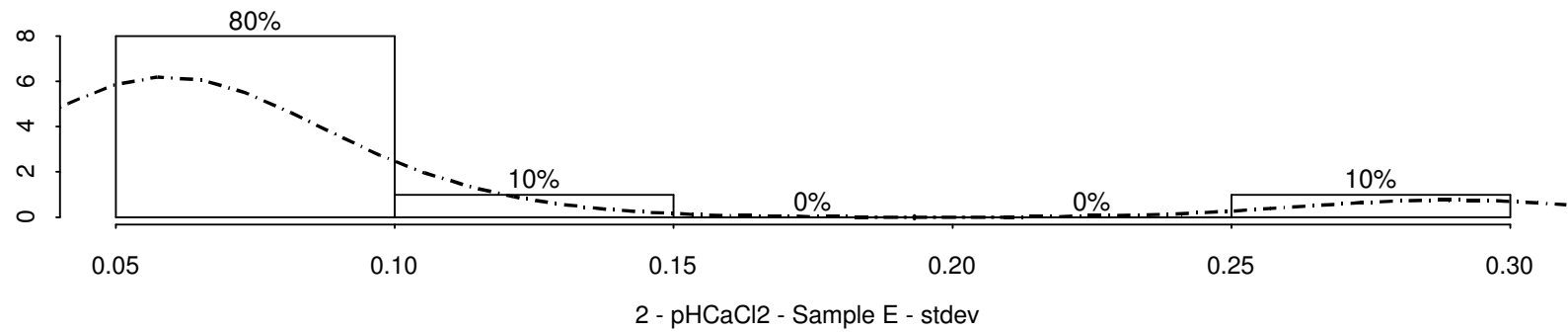
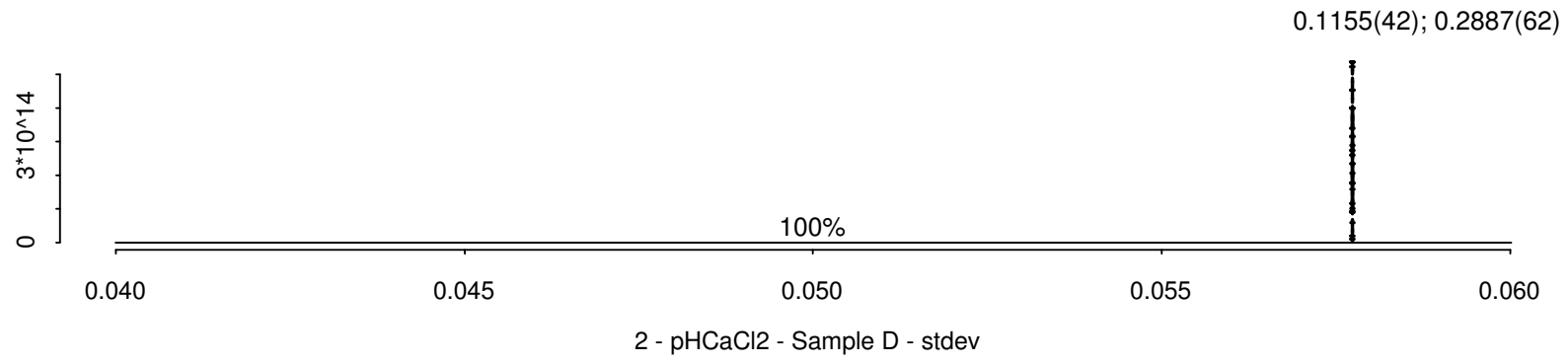
2 - pHCaCl2 - mean

Histogram of the standard deviations of samples A, B and C



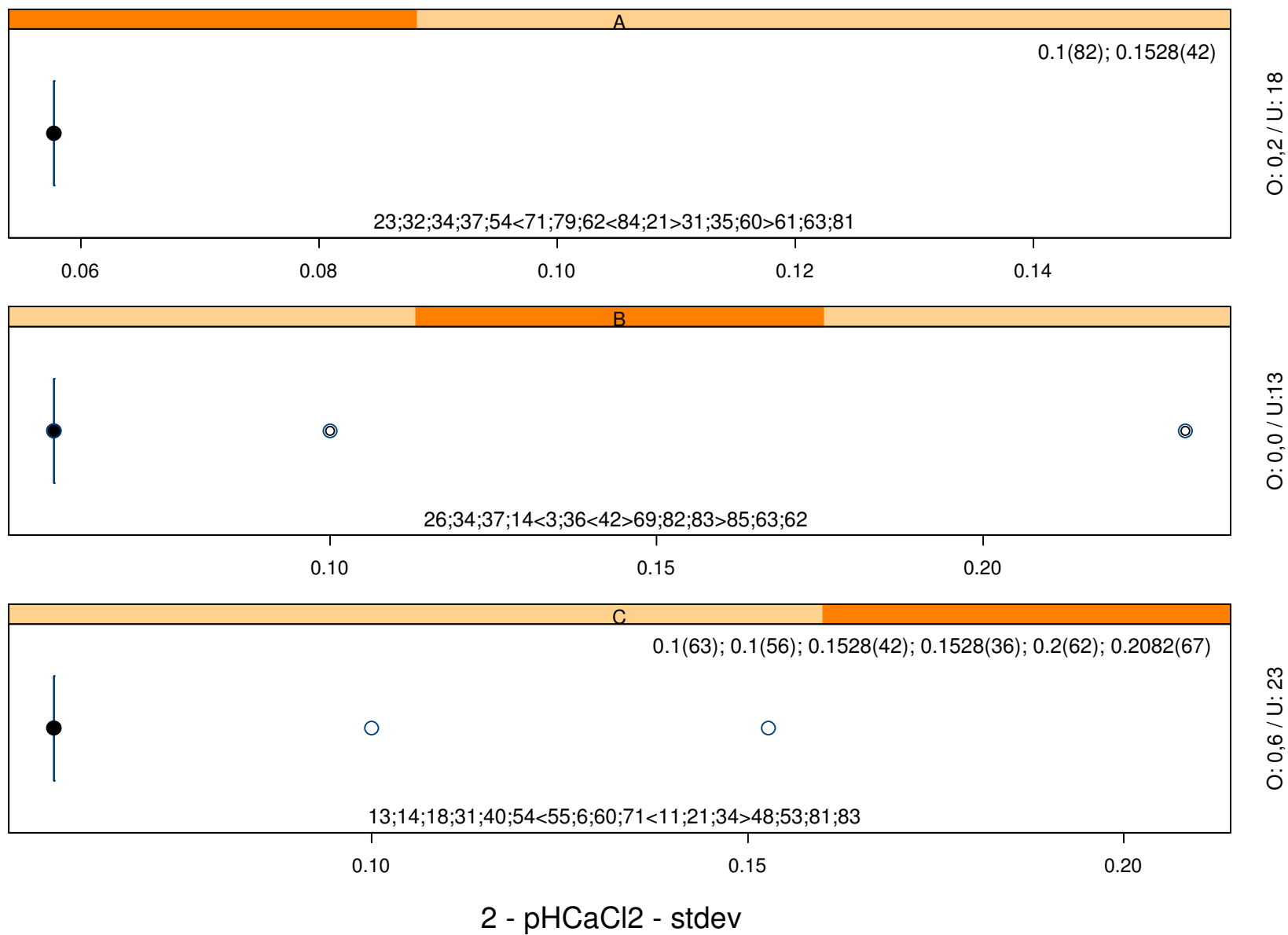
N: 18 NA: 0 Z: 0 E: 0.2 U: 16
a: 0.0824 m: 0.05774 s: 0.04791a: 0.07431 m: 0.05774 s: 0.04844a: 0.06536 m: 0.05774 s: 0.02397

Histogram of the standard deviations of samples D and E

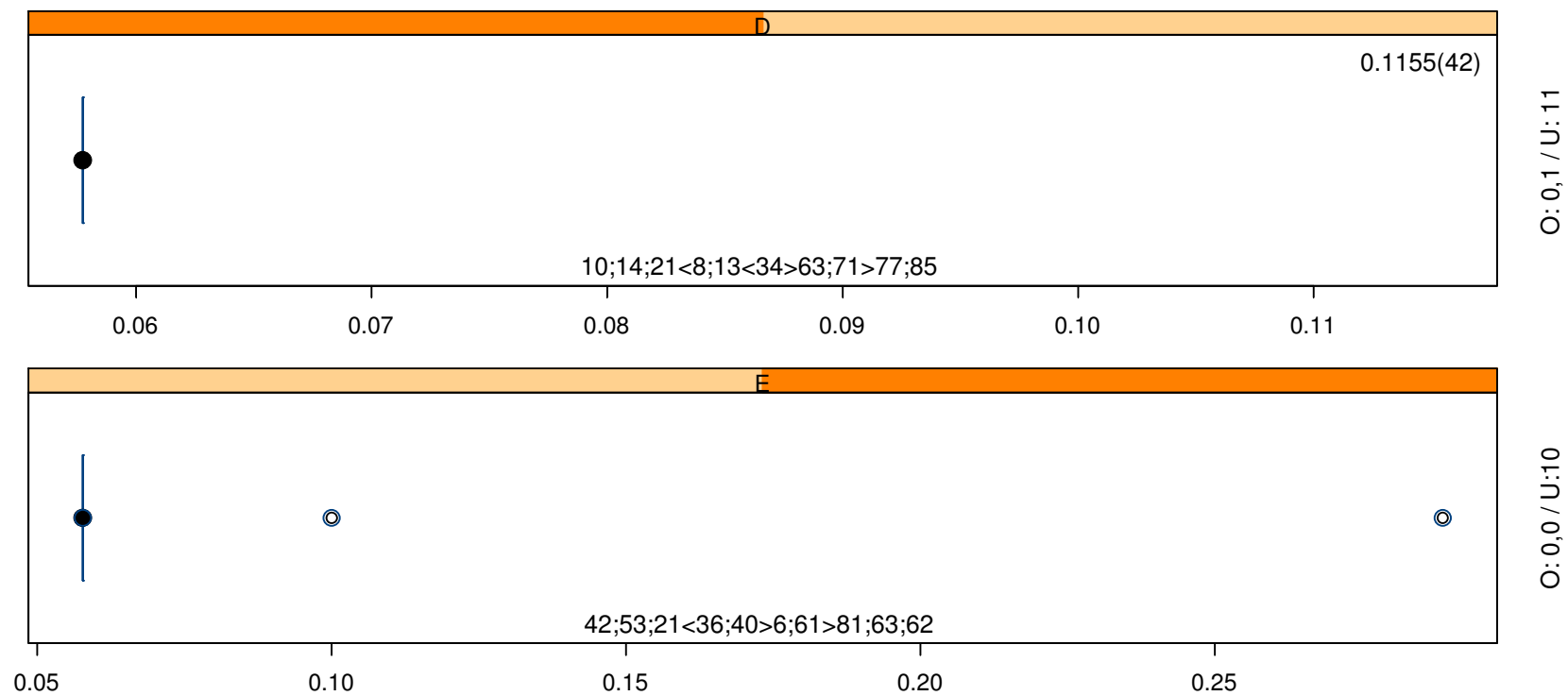


N: 10 NA: 0 Z: 0 E: 0 U: 10
a: 0.08506 m: 0.05774 s: 0.0727 Å
N: 12 NA: 0 Z: 0 E: 0.2 U: 10
m: 0.08179 s: 0.05774 s: 0.06723

Box plot of the standard deviations of samples A, B and C



Box plot of the standard deviations of samples D and E

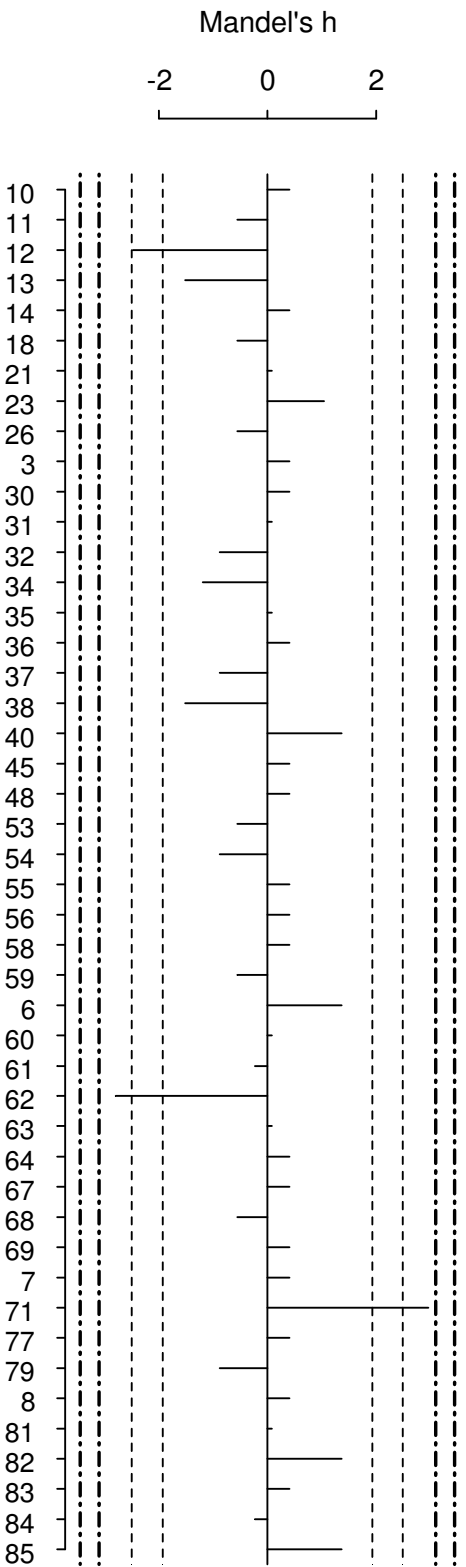


2 - pHCaCl2 - stdev

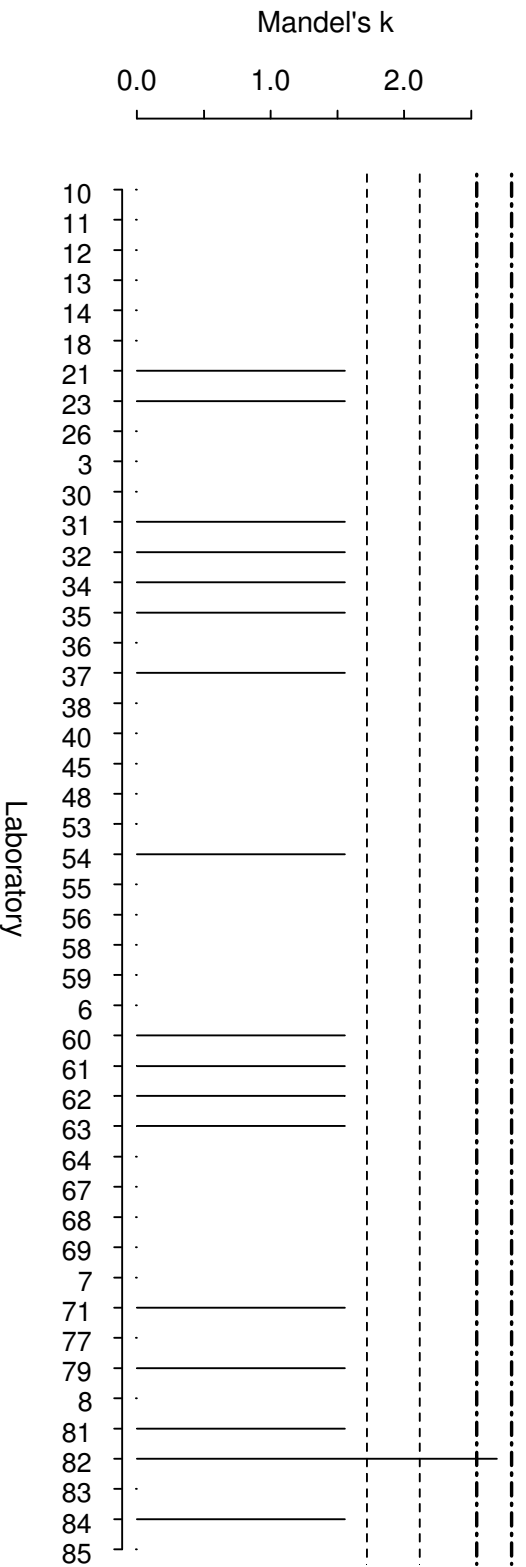
Mandel's h and k plot of Sample A

2 - pHCaCl2 - sample A

Step:2; Nlab:46; Mgen:4.158; Fval:23.72; Pval:0; sRep:0.03711; sLab:0.1021; sRpr:0.1086; CV:2.613



E: k42

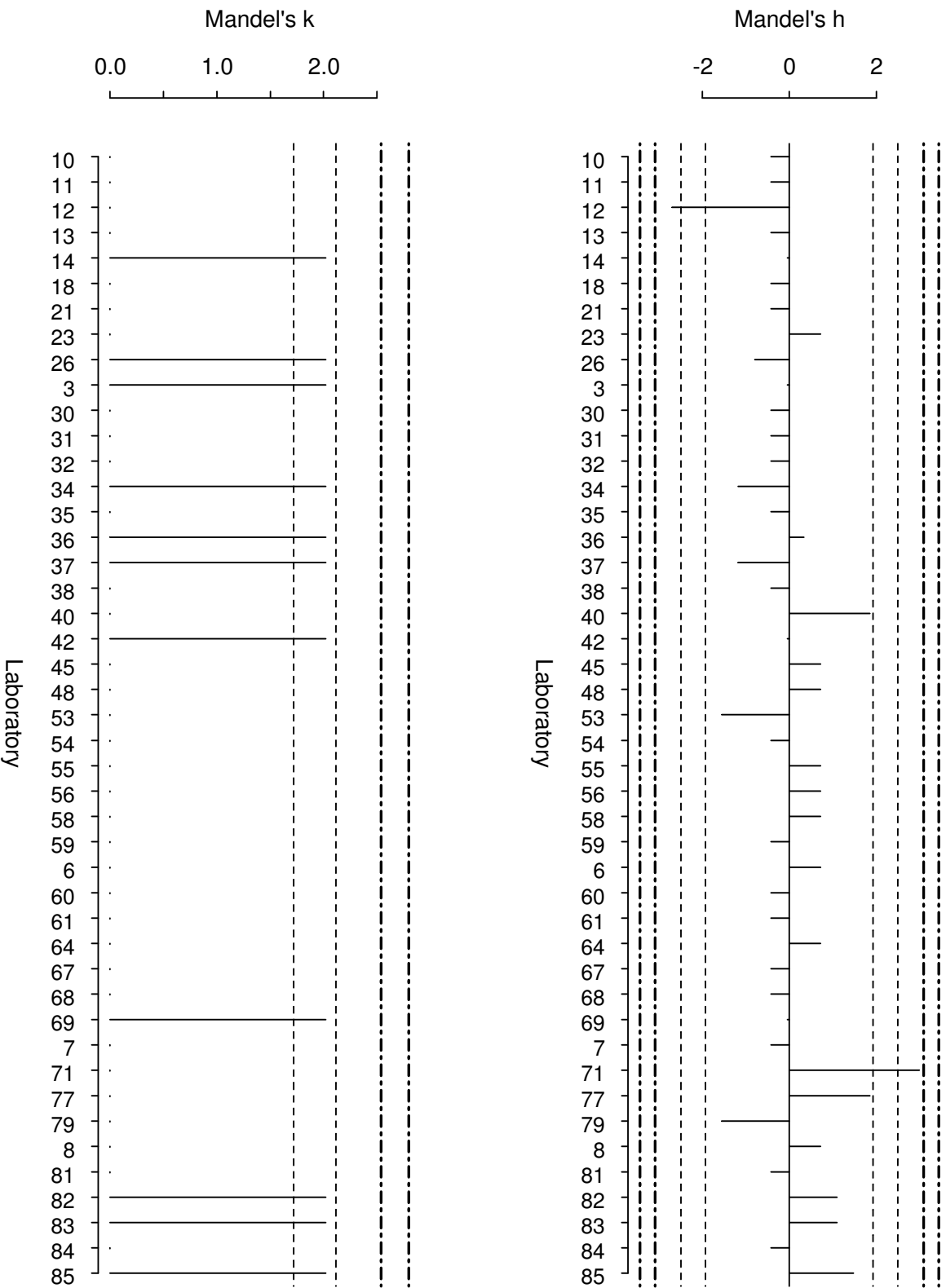


S: 82

Mandel's h and k plot of Sample B

2 - pHCaCl2 - sample B

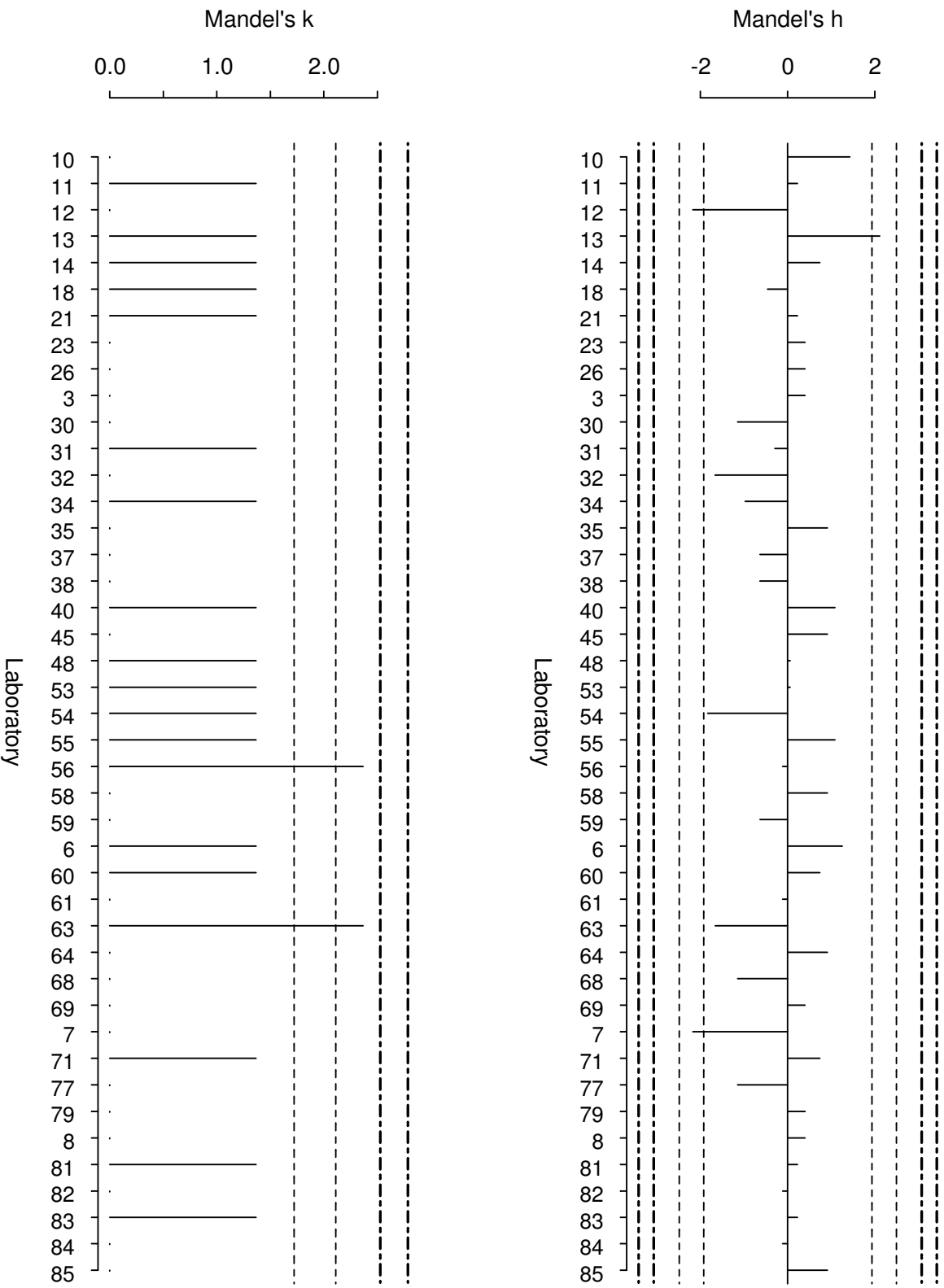
Step:3; Nlab:45; Mgen:3.837; Fval:28.49; Pval:0; sRep:0.02854; sLab:0.08641; sRpr:0.091; CV:2.372



Mandel's h and k plot of Sample C

2 - pHCaCl2 - sample C

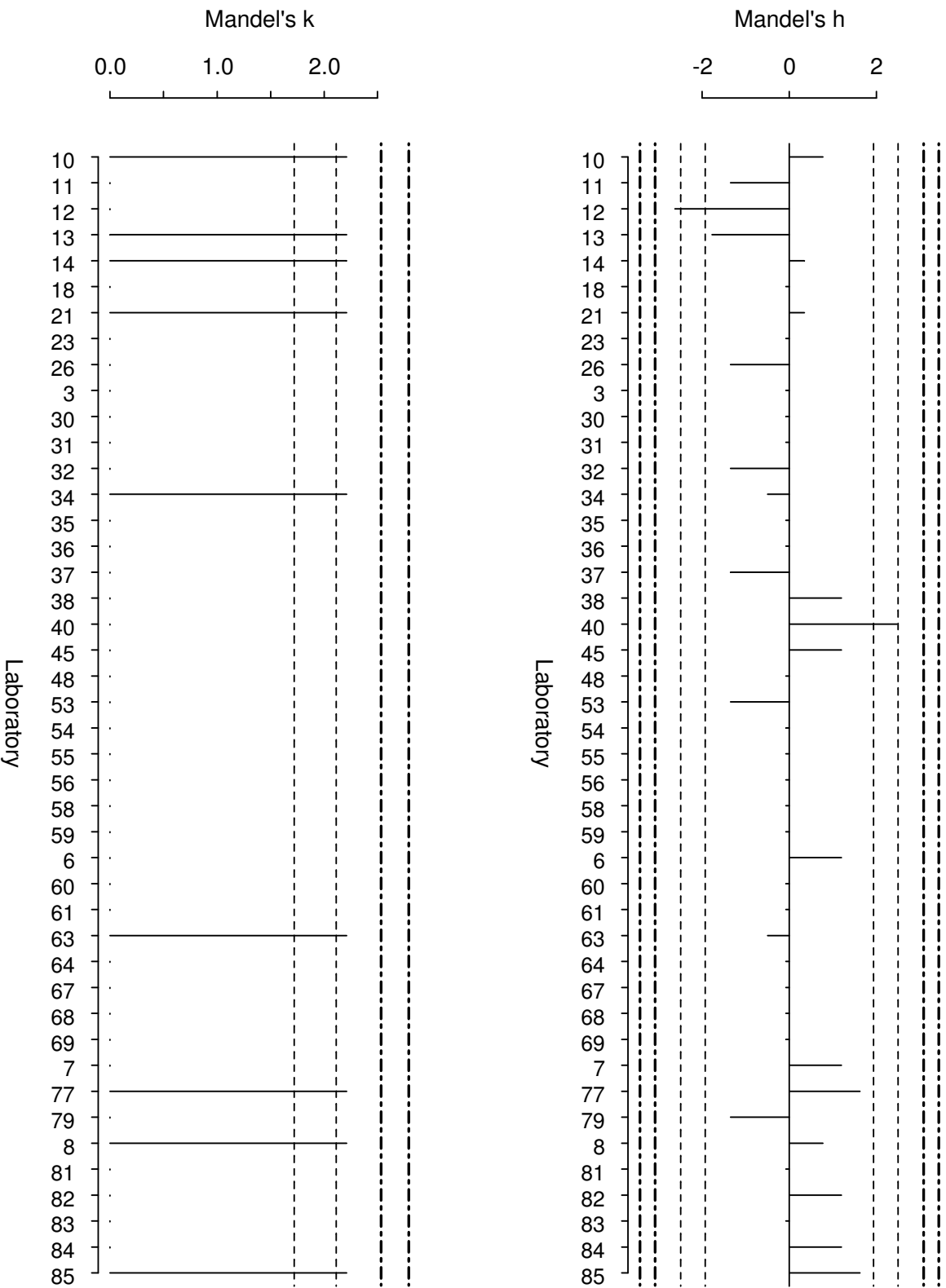
Step:3; Nlab:43; Mgen:7.323; Fval:63.79; Pval:0; sRep:0.04222; sLab:0.1932; sRpr:0.1977; CV:2.7



Mandel's h and k plot of Sample D

2 - pHCaCl2 - sample D

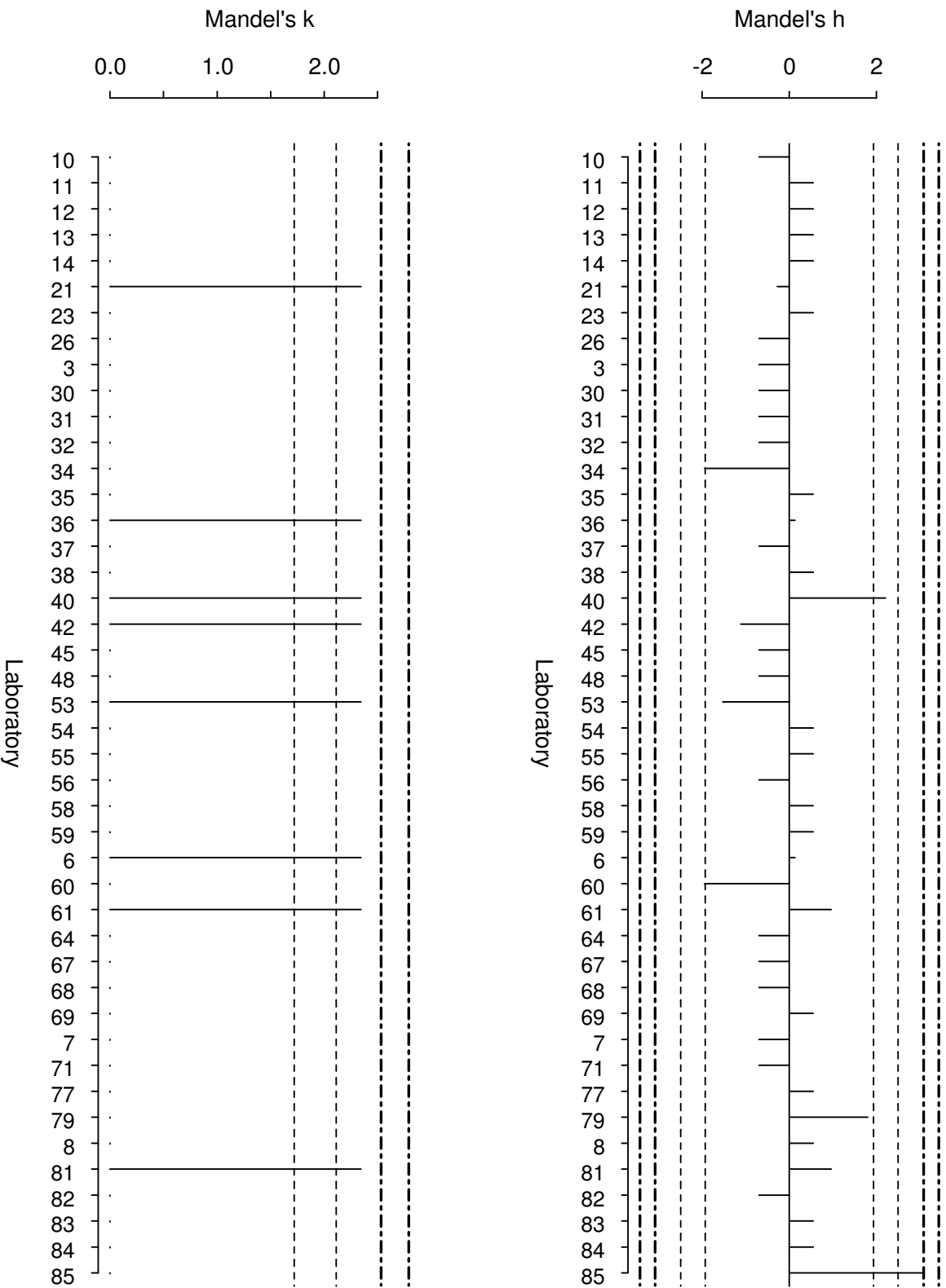
Step:3; Nlab:44; Mgen:4.006; Fval:27.12; Pval:0; sRep:0.02611; sLab:0.07705; sRpr:0.08135; CV:2.031



Mandel's h and k plot of Sample E

2 - pHCaCl2 - sample E

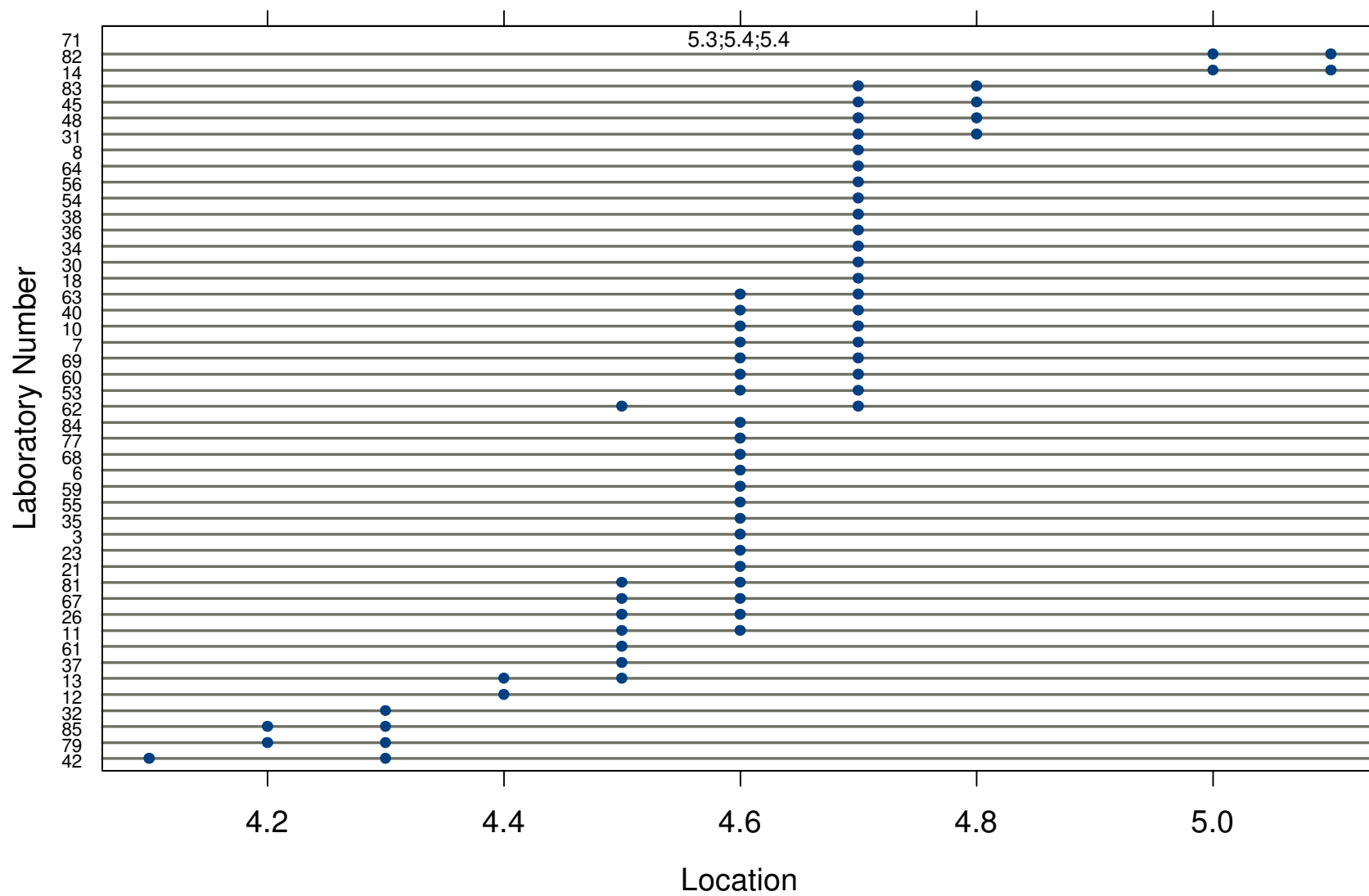
Step:3; Nlab:44; Mgen:2.856; Fval:31.92; Pval:0; sRep:0.02462; sLab:0.07903; sRpr:0.08278; CV:2.898



pH(H₂O)

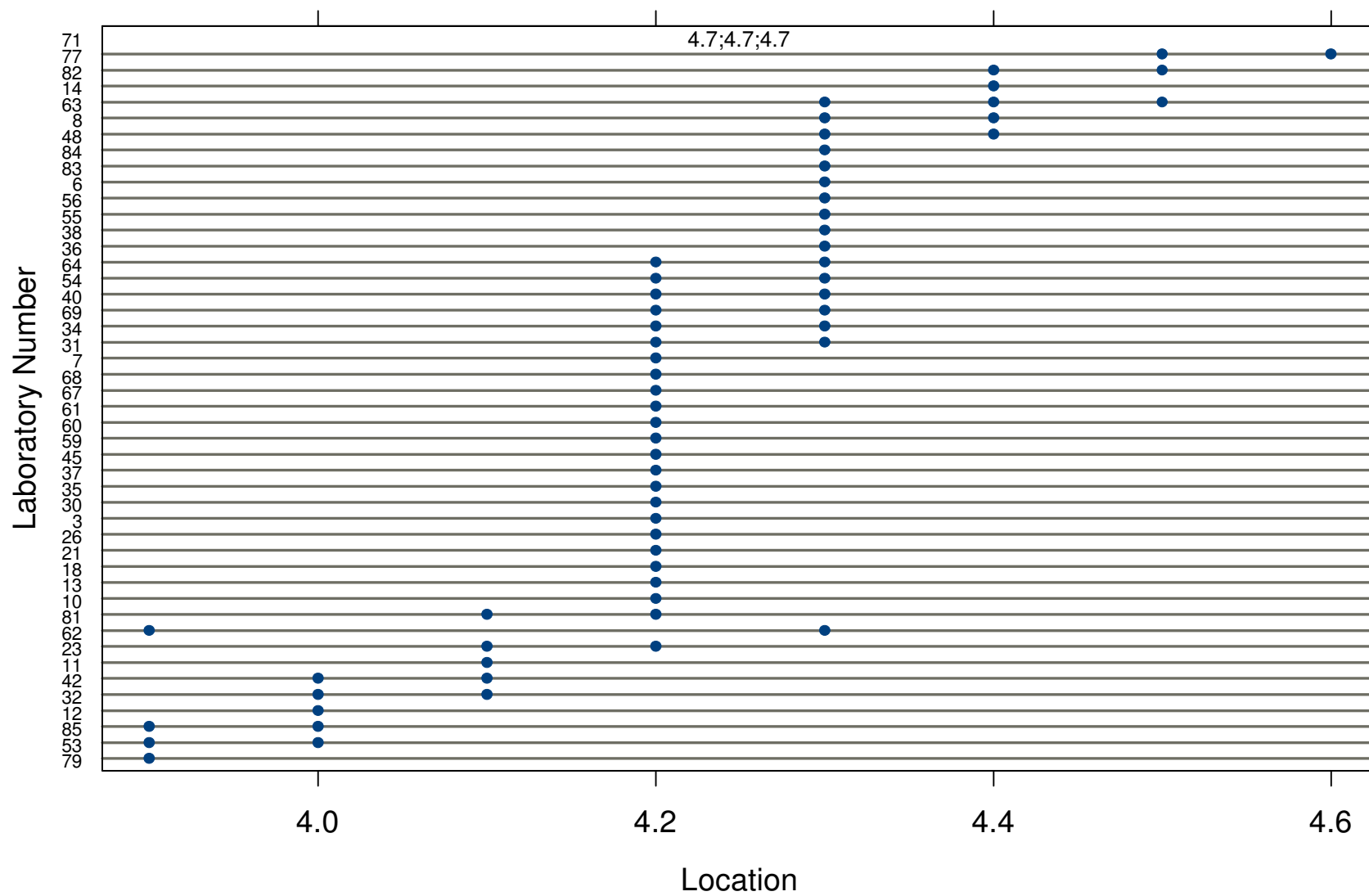
Dot plot sample A

2 - pH_{H2O} - Sample A



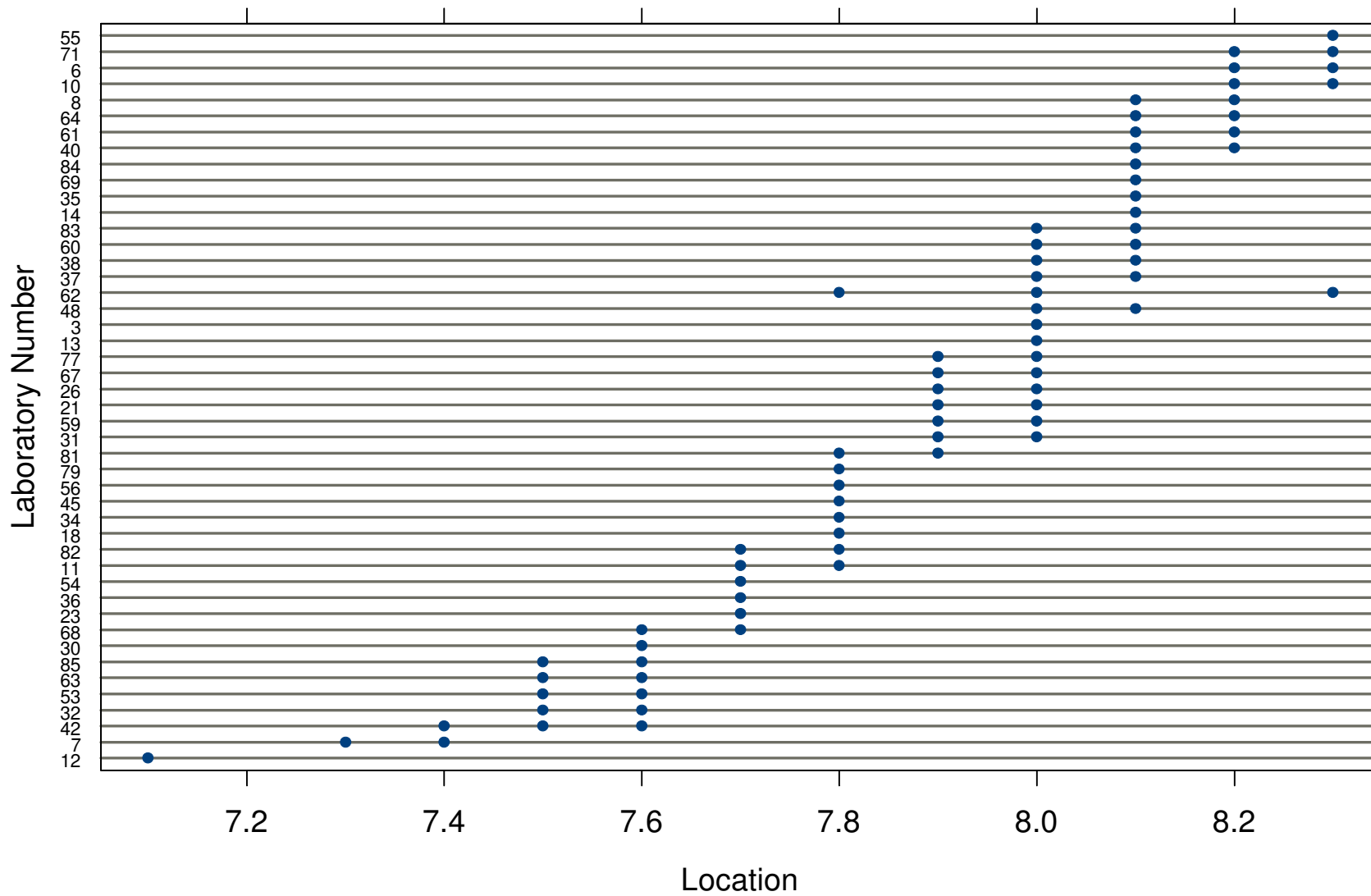
Dot plot sample B

2 - pHH2O - Sample B



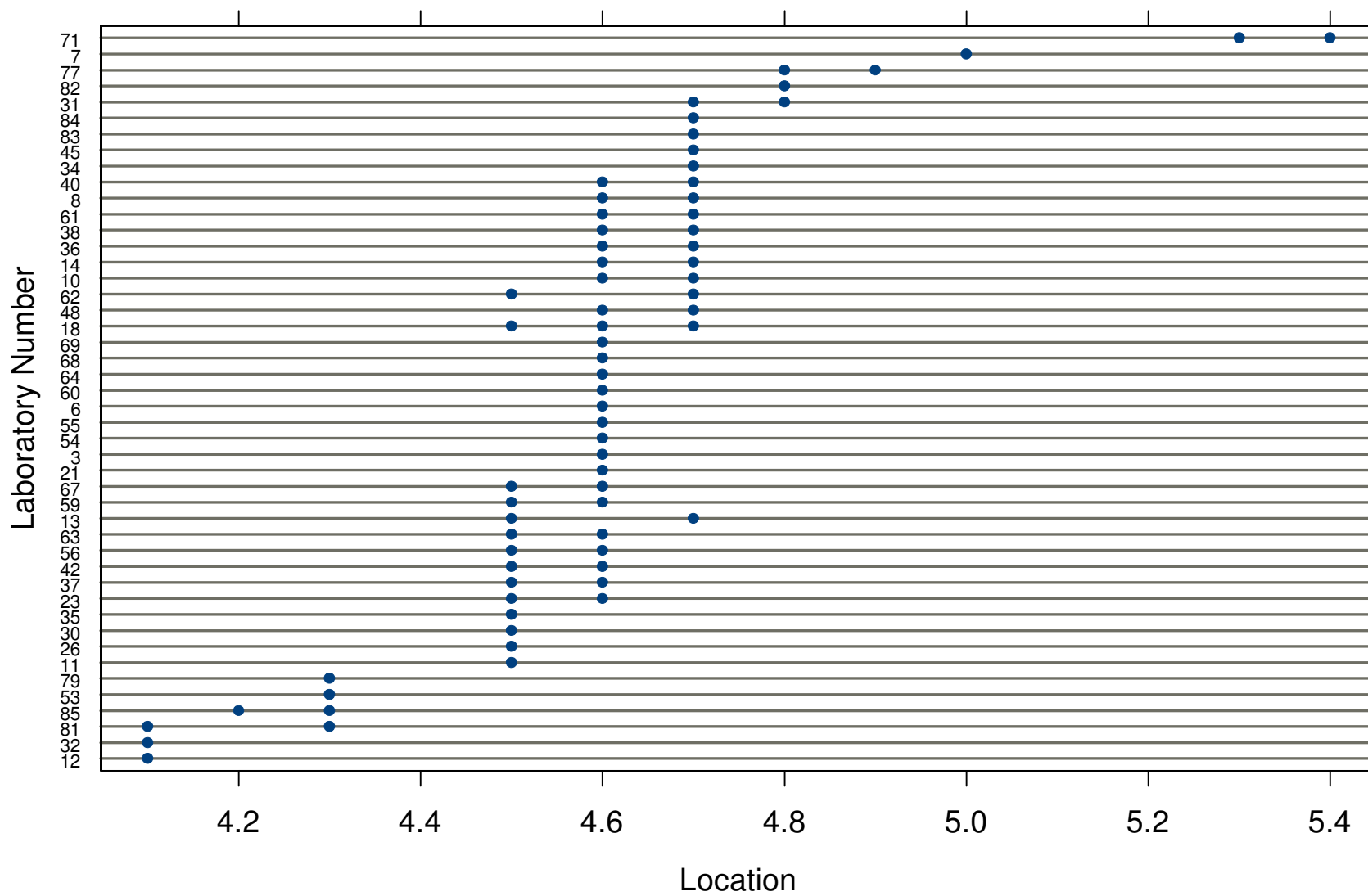
Dot plot sample C

2 - pHH2O - Sample C



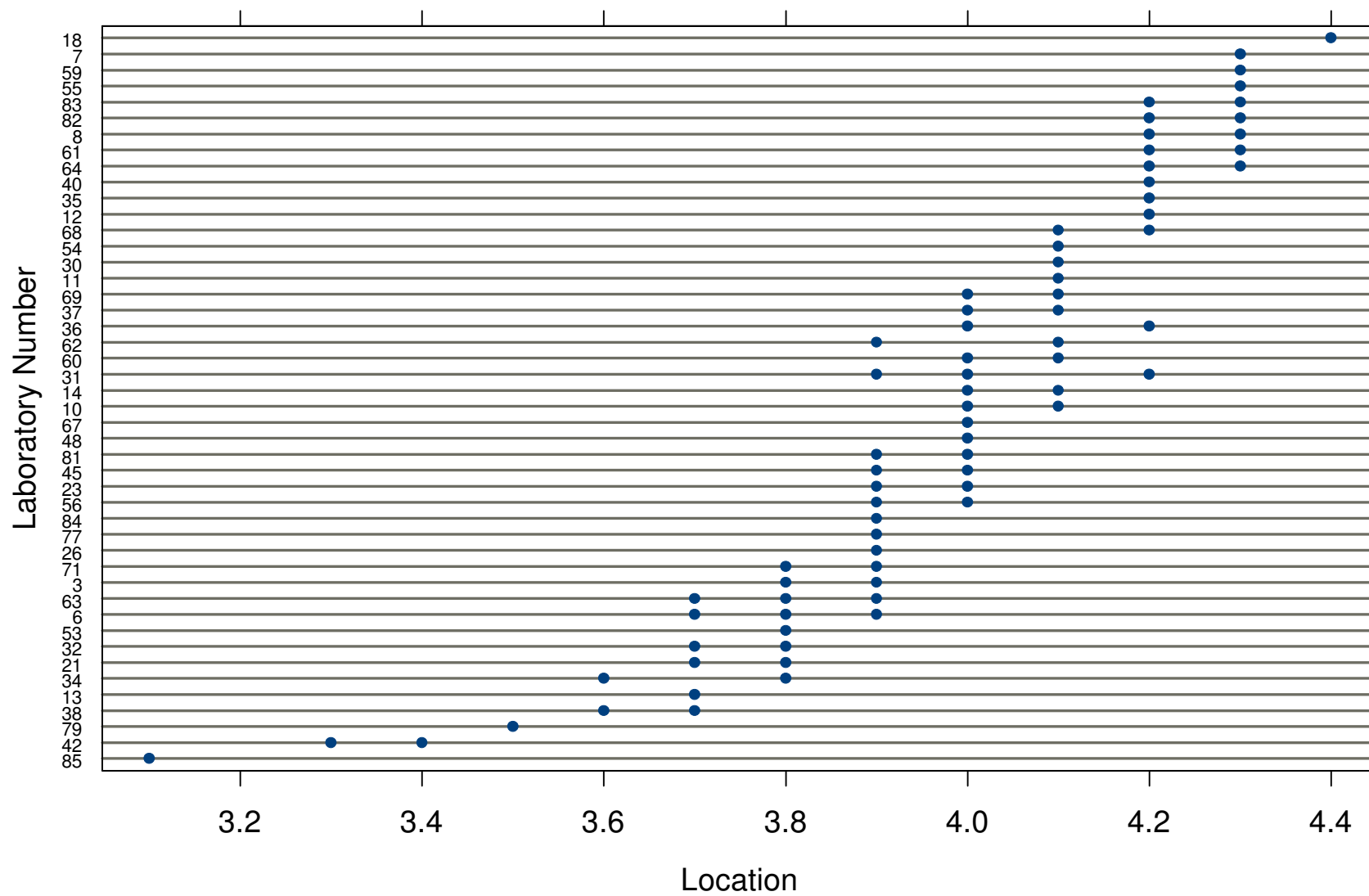
Dot plot sample D

2 - pHH2O - Sample D

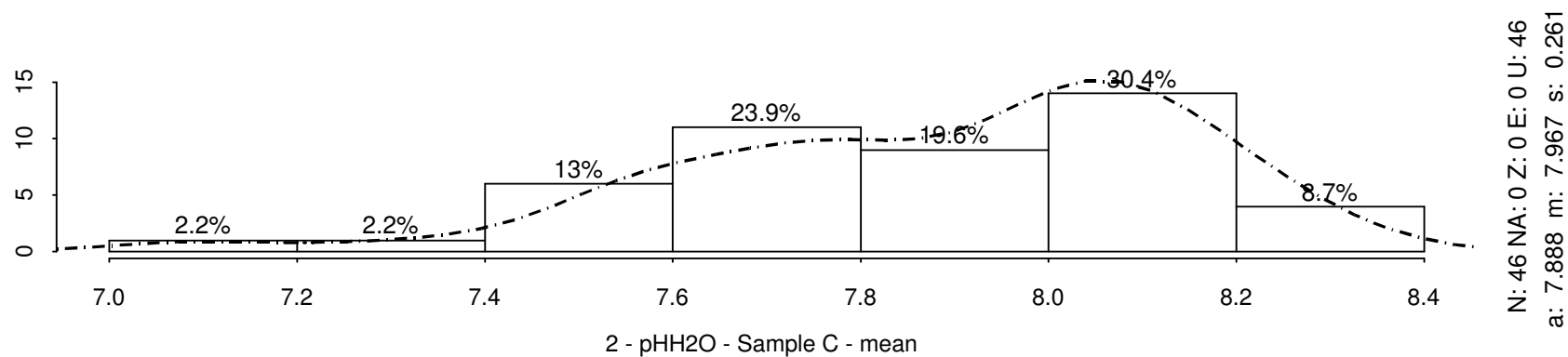
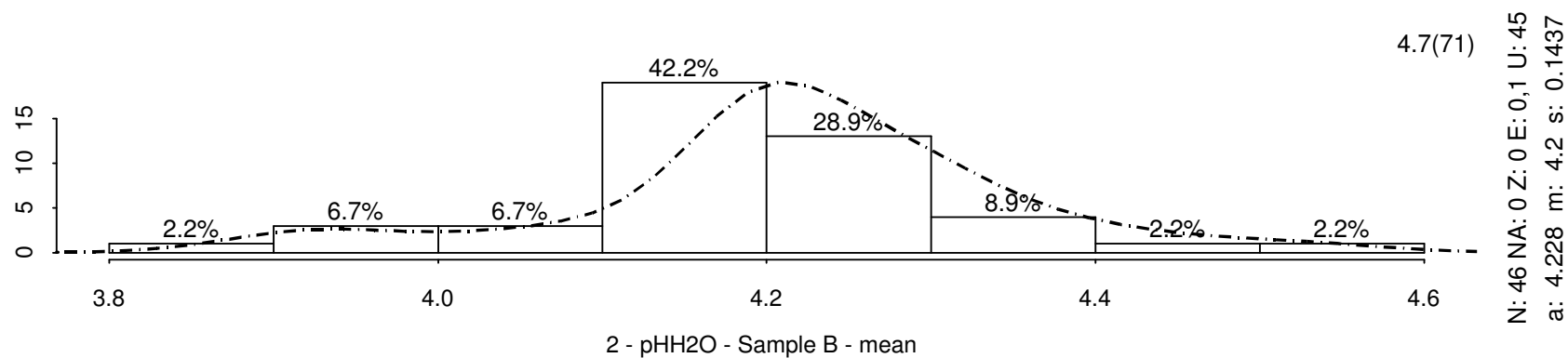
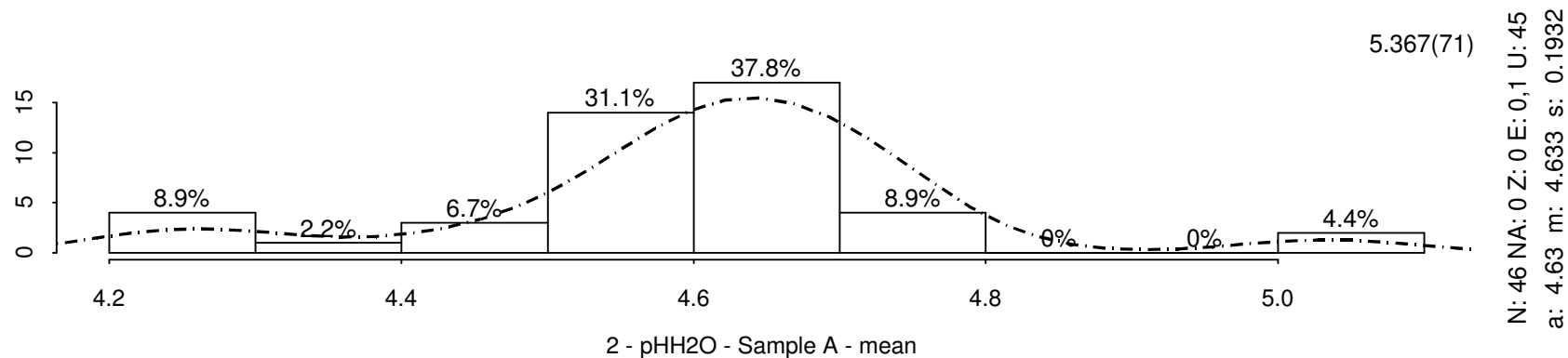


Dot plot sample E

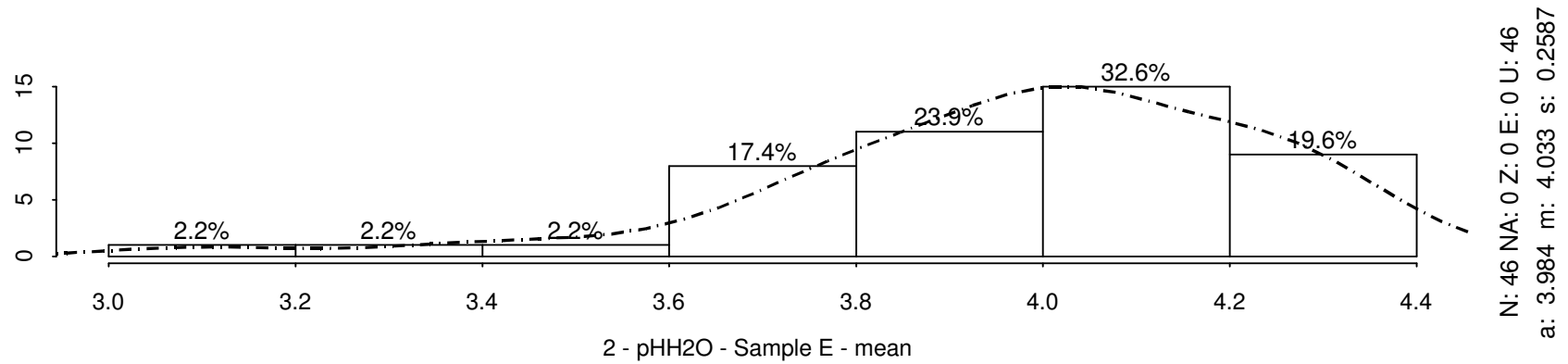
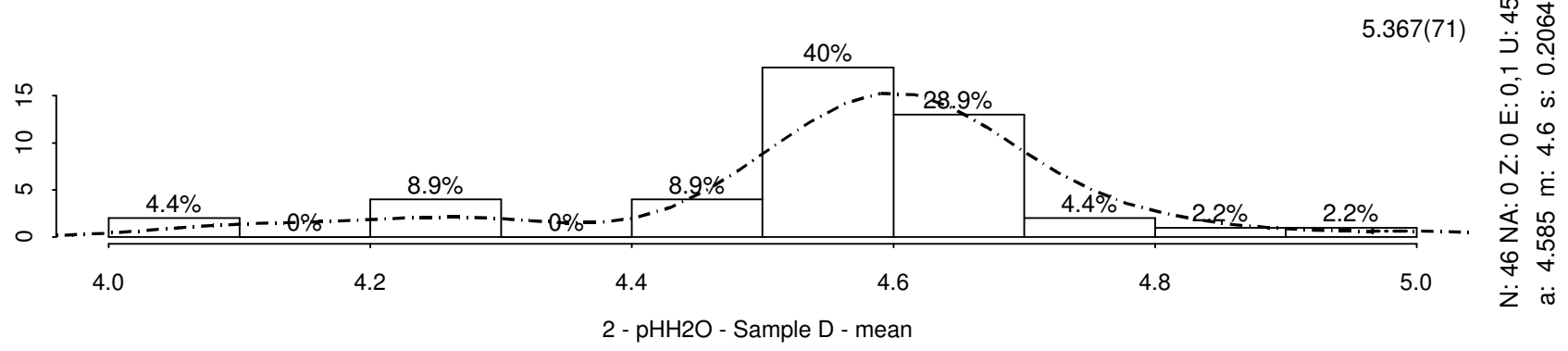
2 - pHH2O - Sample E



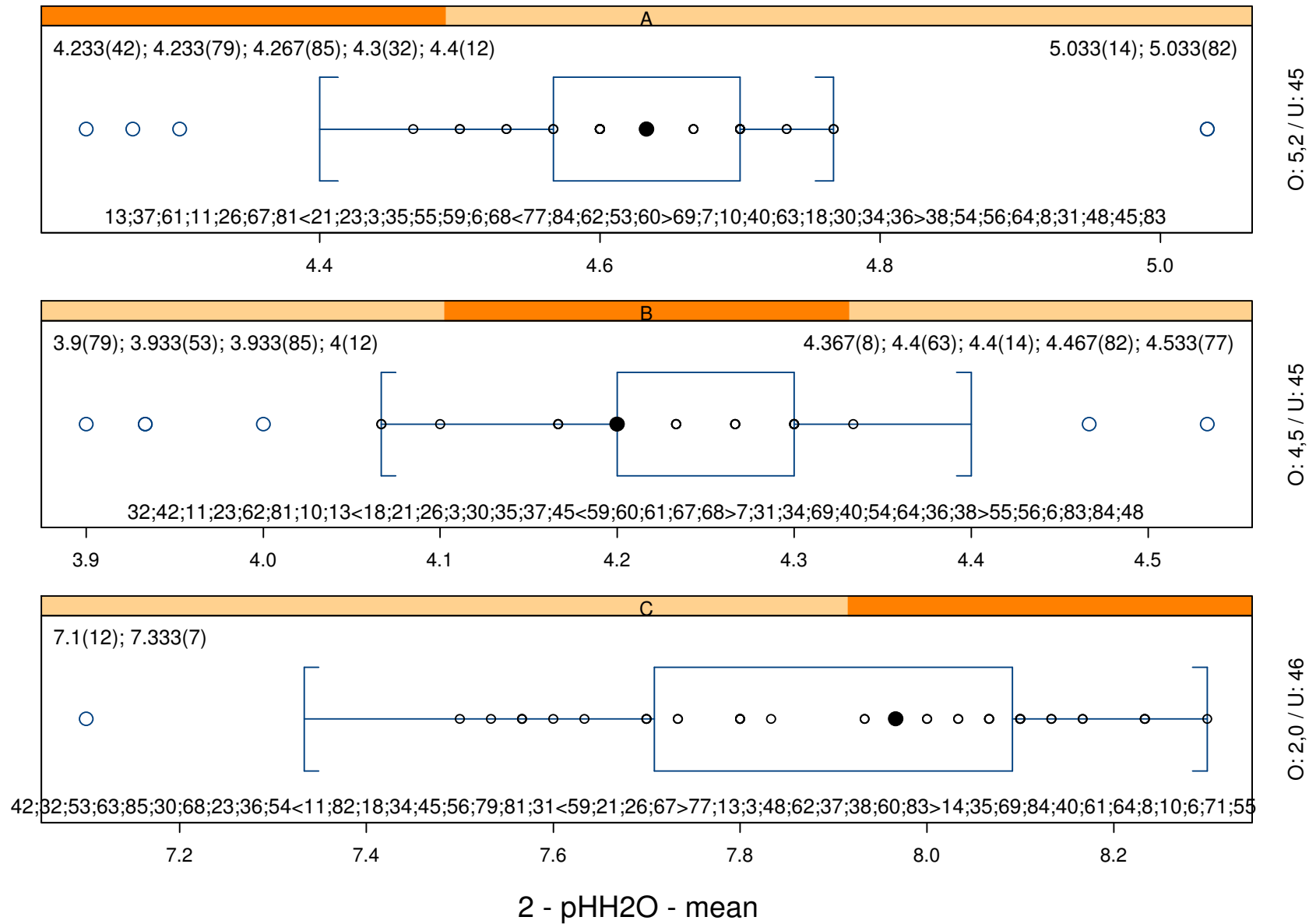
Histogram of the means of samples A, B and C



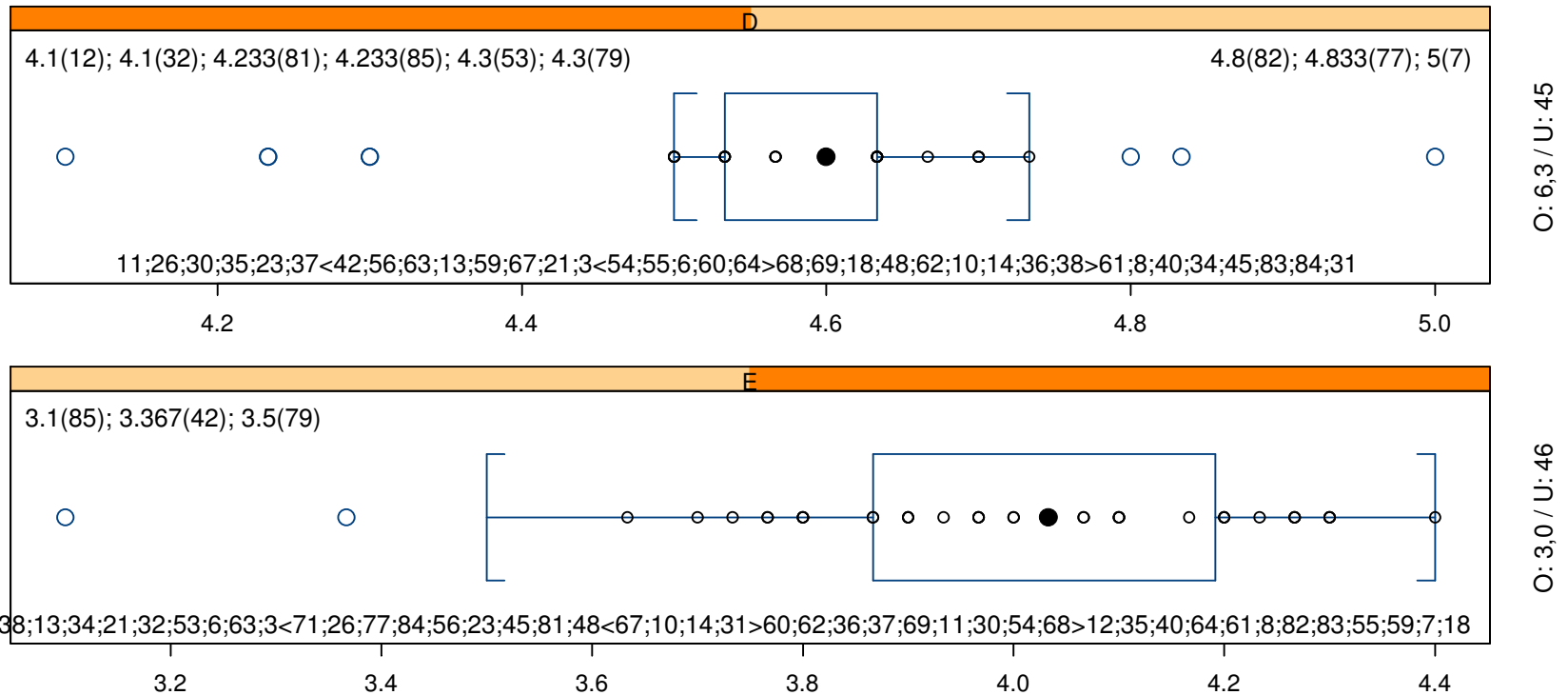
Histogram of the means of samples D and E



Box plot of the means of samples A, B and C

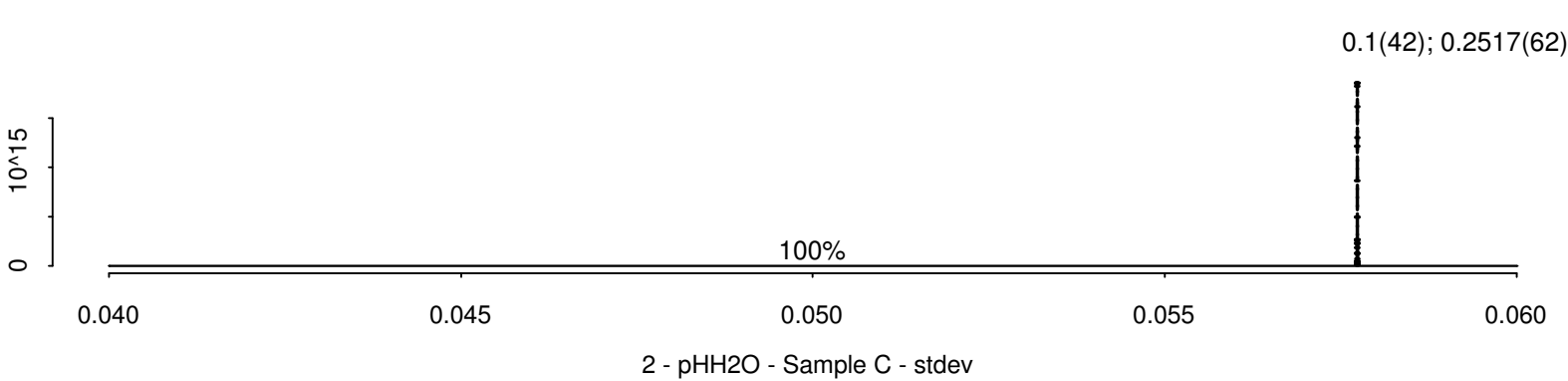
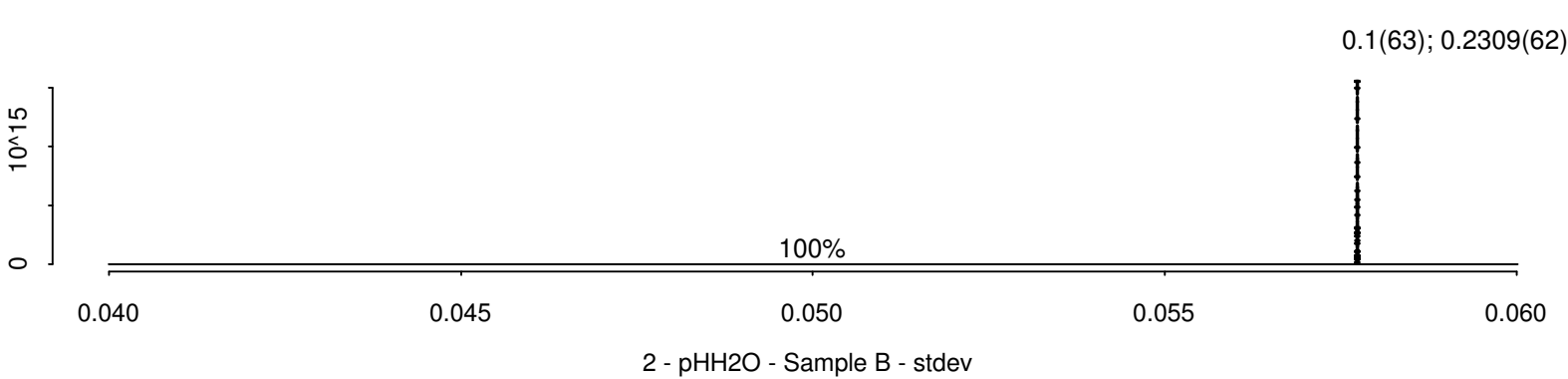
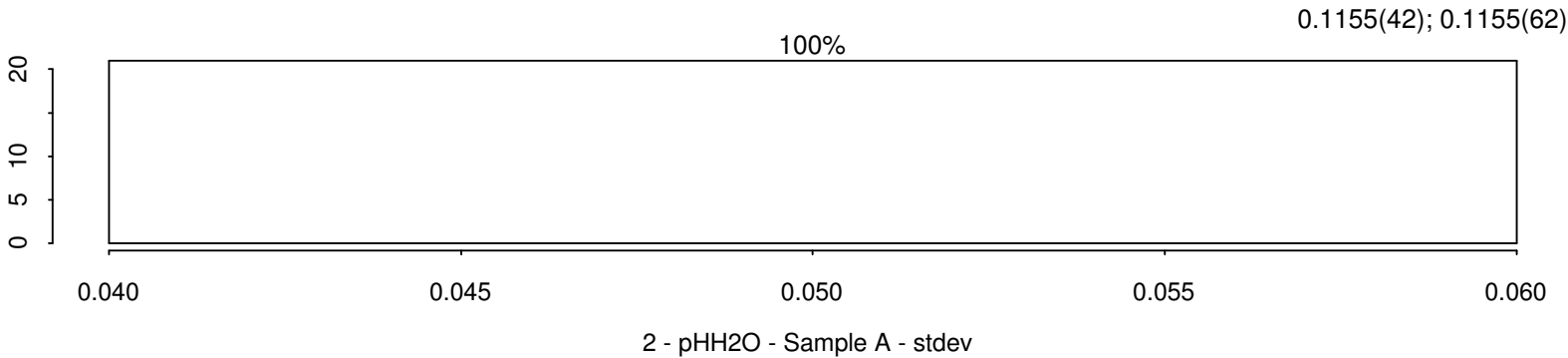


Box plot of the means of samples D and E



2 - pH_{H2O} - mean

Histogram of the standard deviations of samples A, B and C

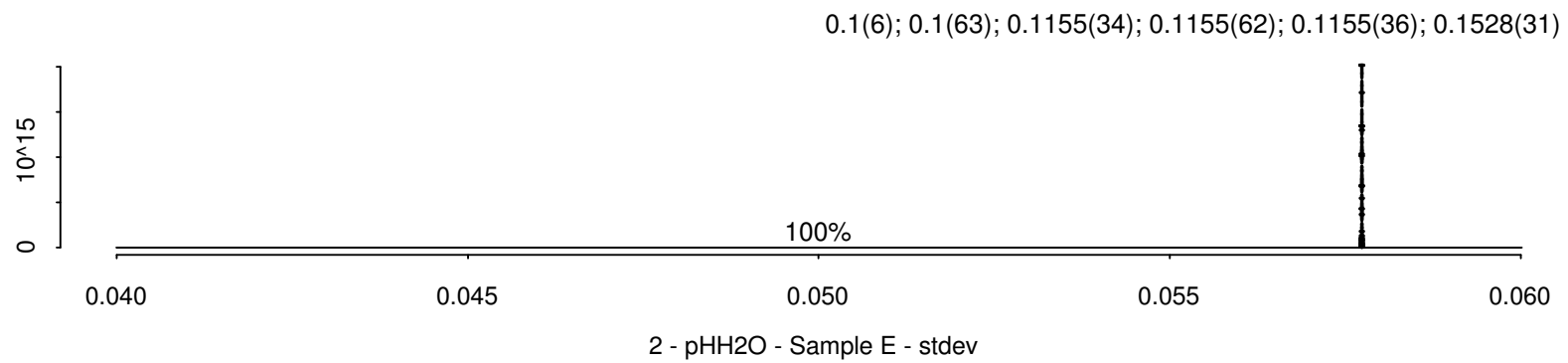
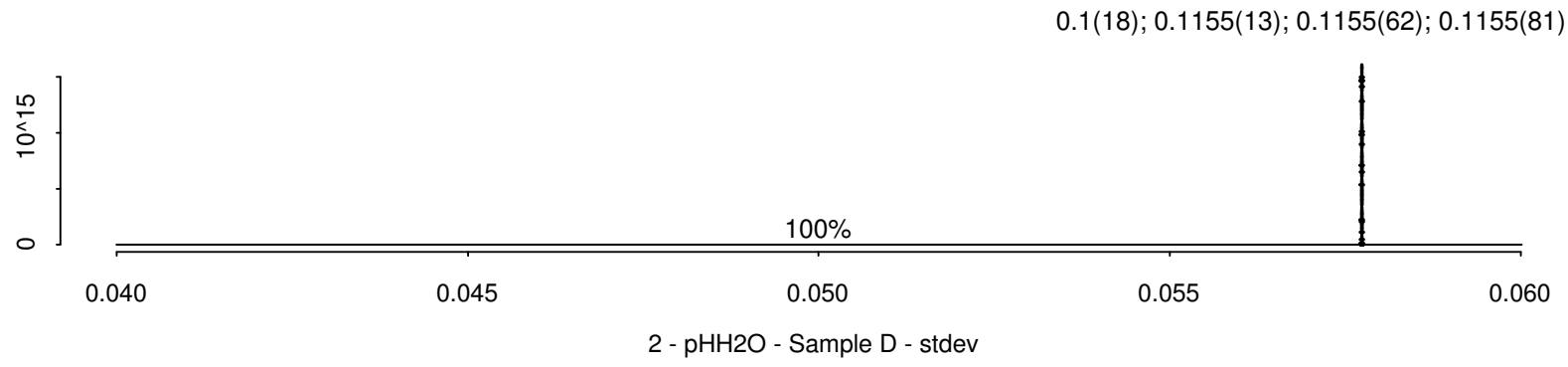


N: 23 NA: 0 Z: 0 E: 0,2 U: 21
a: 0.06276 m: 0.05774 s: 0.01663

N: 18 NA: 0 Z: 0 E: 0,2 U: 16
a: 0.06971 m: 0.05774 s: 0.04145

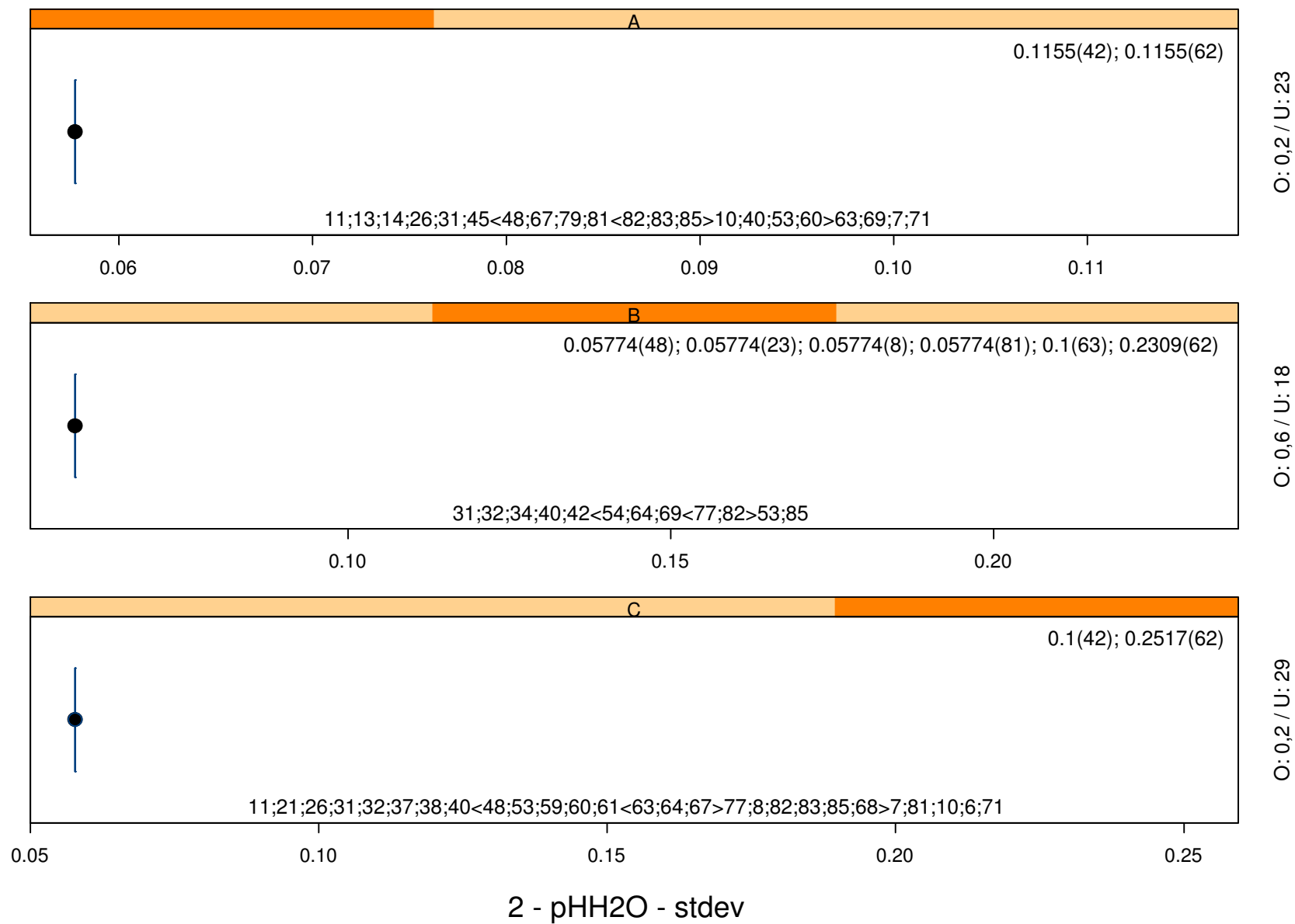
N: 29 NA: 0 Z: 0 E: 0,2 U: 27
a: 0.06588 m: 0.05774 s: 0.03658

Histogram of the standard deviations of samples D and E

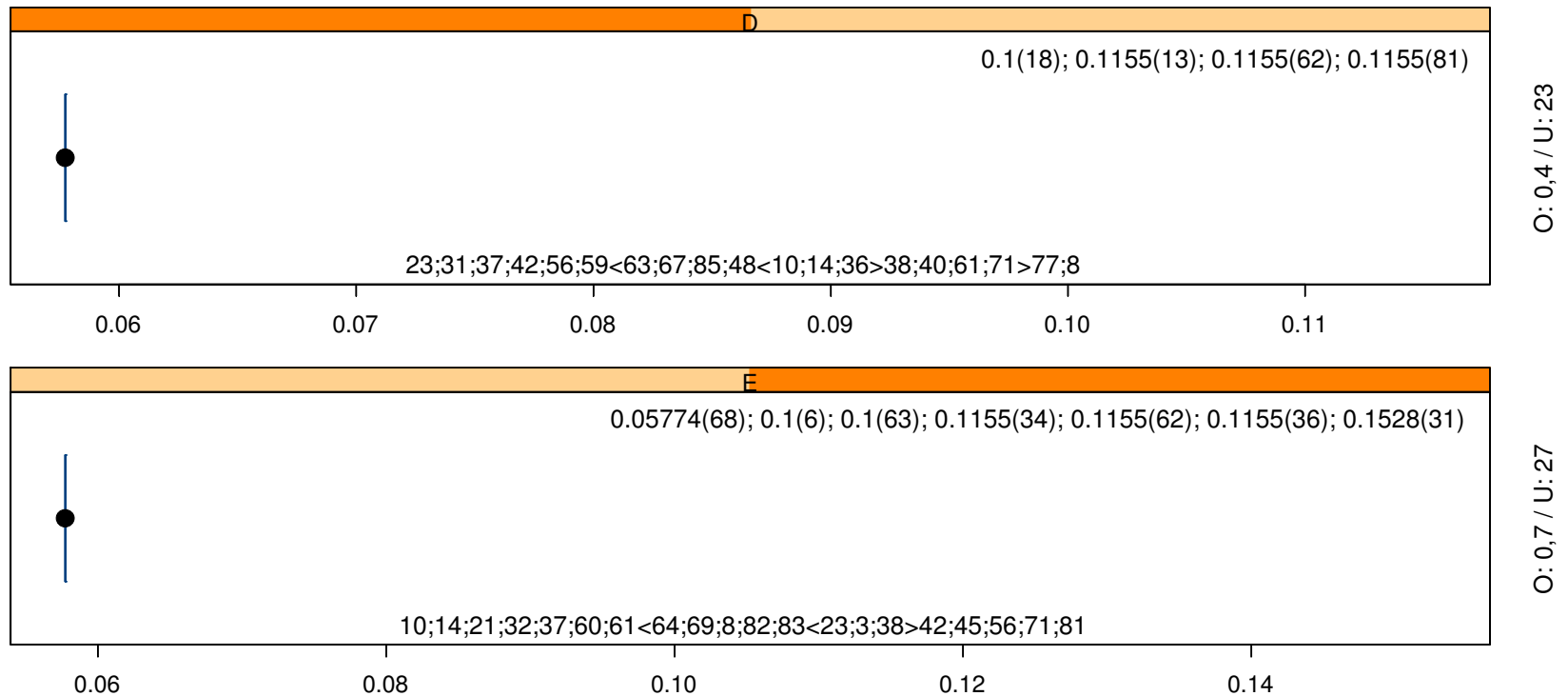


N: 27 NA: 0 Z: 0 E: 0,6 U: 21 N: 23 NA: 0 Z: 0 E: 0,4 U: 19
a: 0.0708 m: 0.05774 s: 0.02631 a: 0.0671 m: 0.05774 s: 0.02107

Box plot of the standard deviations of samples A, B and C



Box plot of the standard deviations of samples D and E

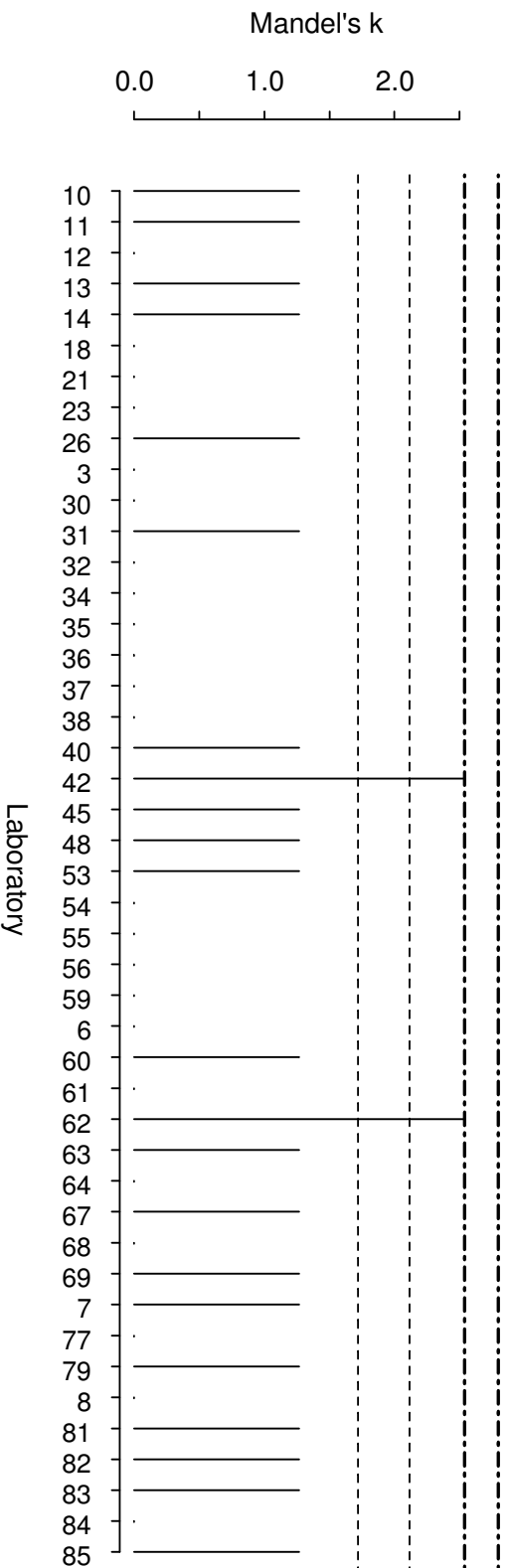
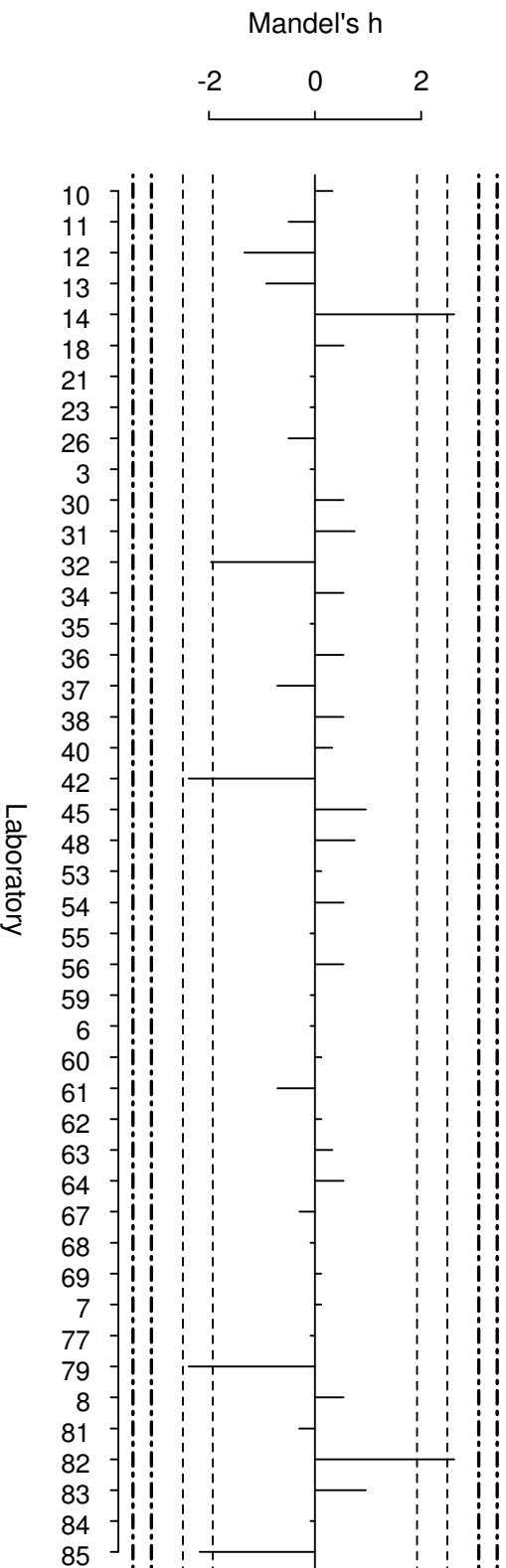


2 - pH_{H2O} - stdev

Mandel's h and k plot of Sample A

2 - pH2O - sample A

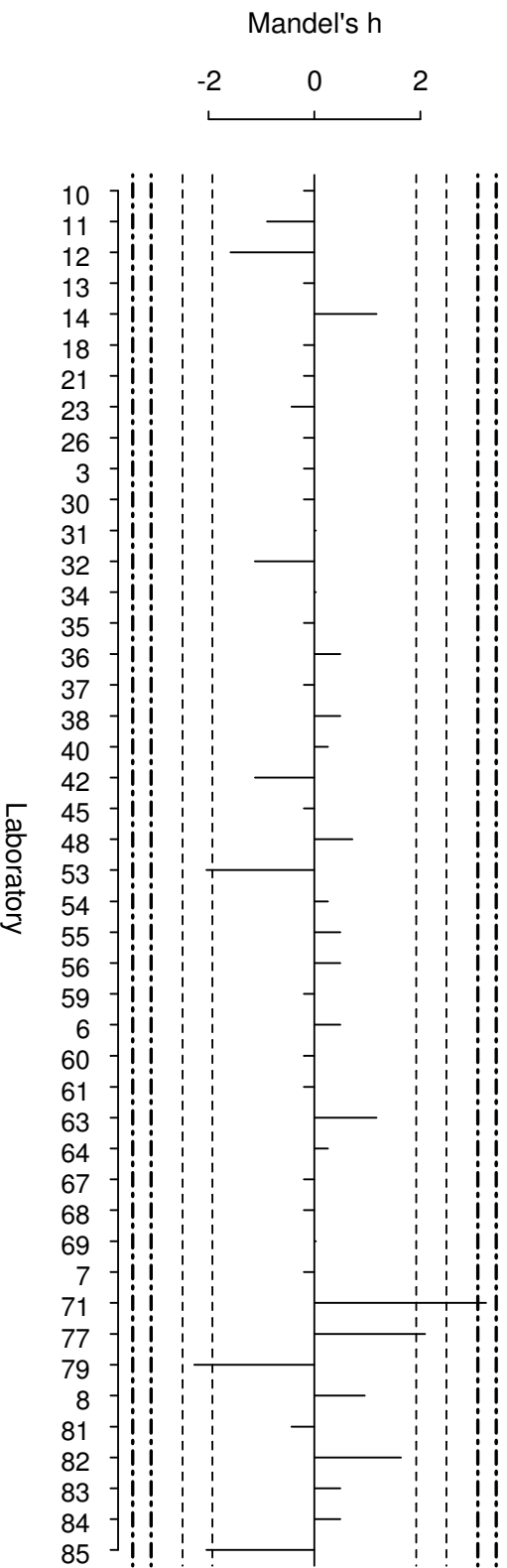
Step:2; NIab:45; Mgen:4.614; Fval:37; Pval:0; sRep:0.04554; sLab:0.1578; sRpr:0.1642; CV:3.559



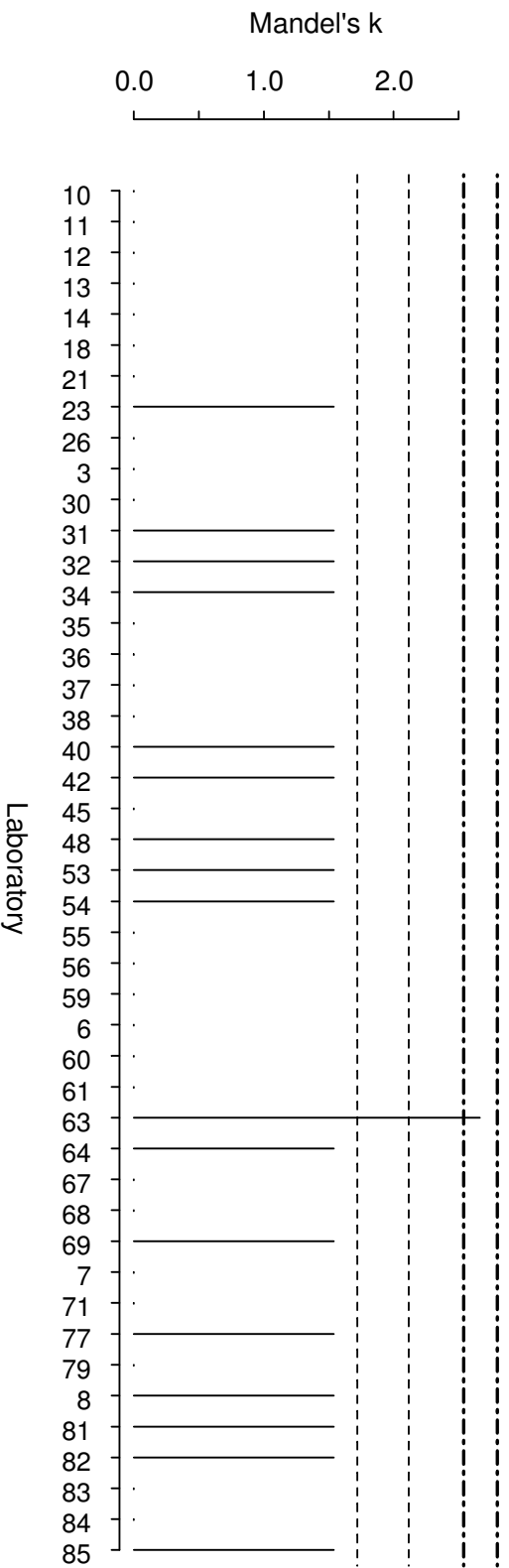
Mandel's h and k plot of Sample B

2 - PHH2O - sample B

Step:2; Nlab:45; Mgen:4.23; Fval:44.81; Pval:0; sRep:0.03752; sLab:0.1434; sRpr:0.1482; CV:3.504



S: 71



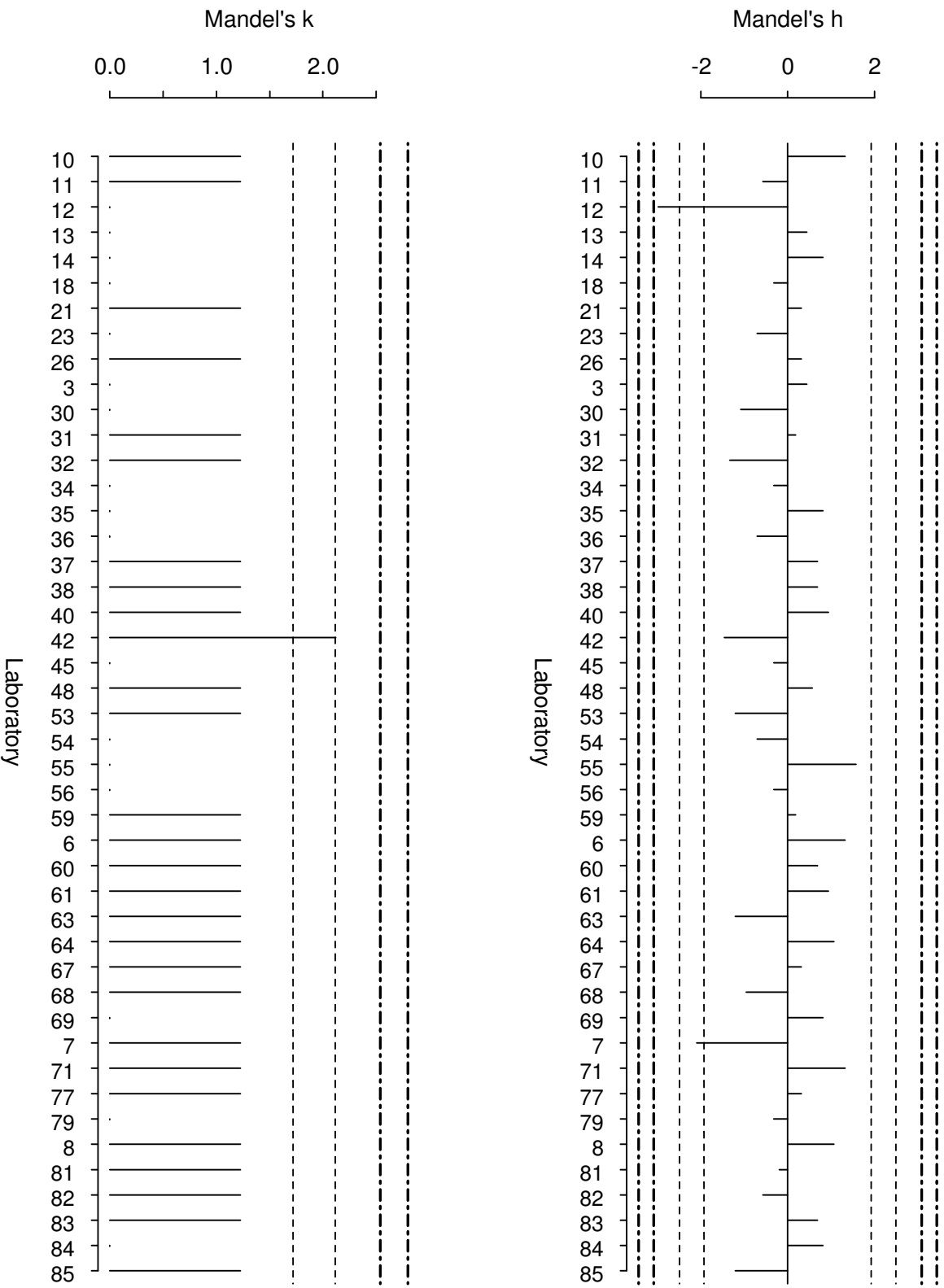
S: 63

E: k62

Mandel's h and k plot of Sample C

2 - pH_{H2O} - sample C

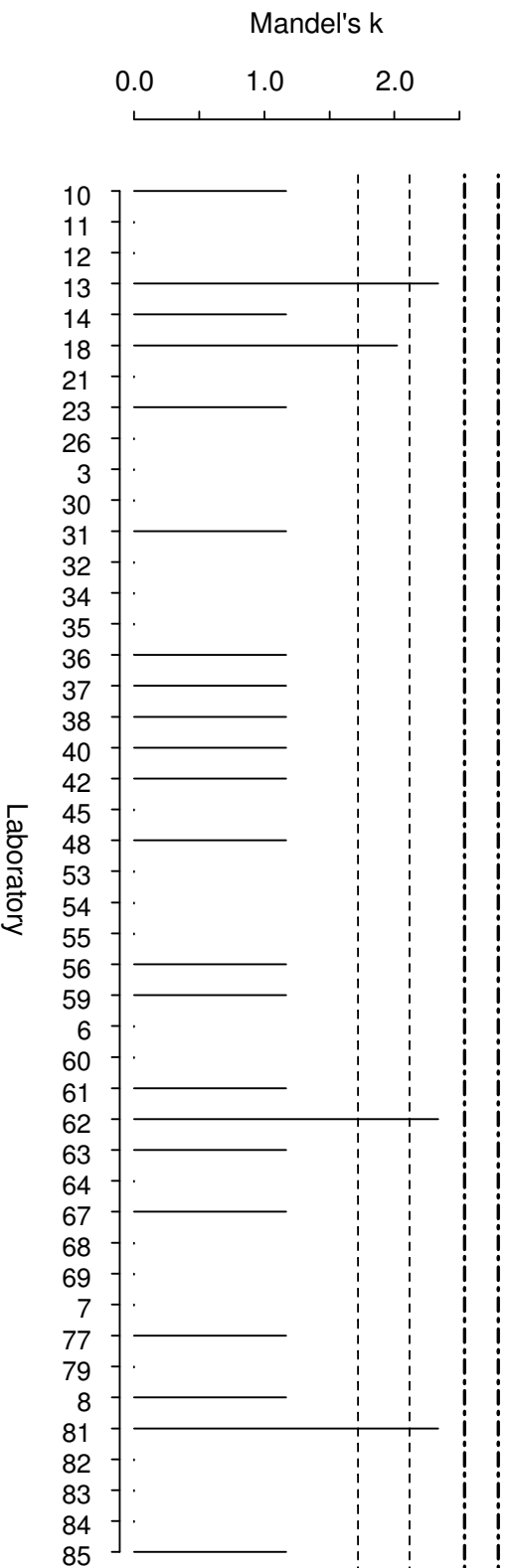
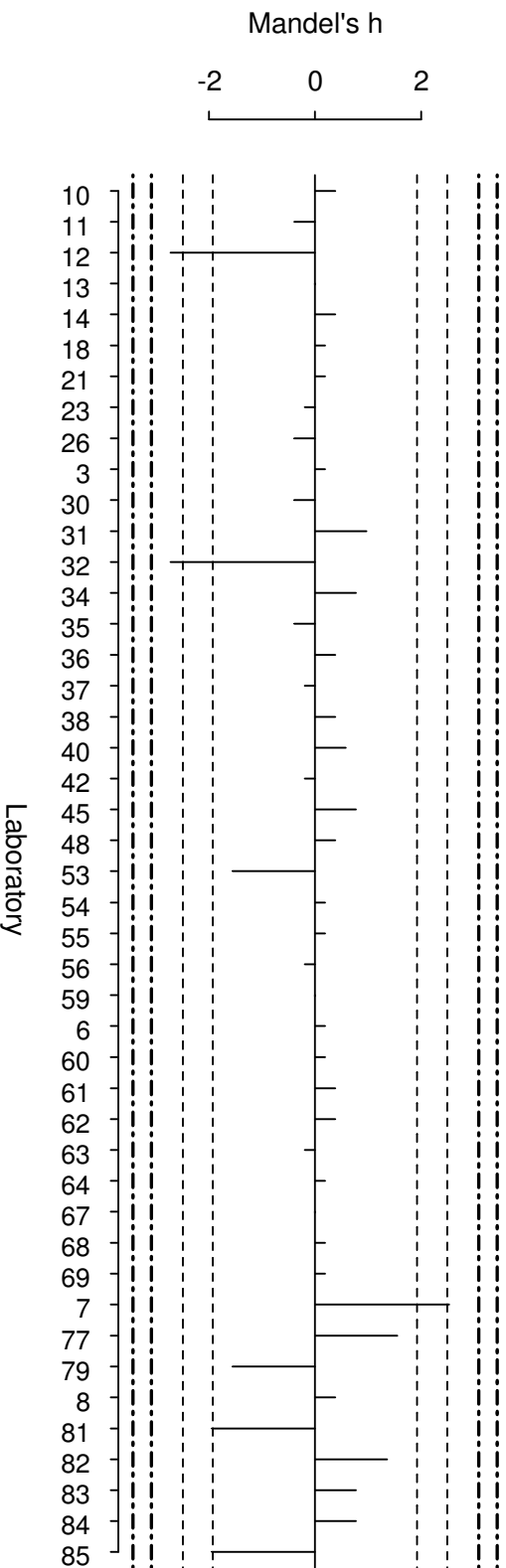
Step:2; Nlab:45; Mgen:7.885; Fval:93.38; Pval:0; sRep:0.04714; sLab:0.2616; sRpr:0.2658; CV:3.371



Mandel's h and k plot of Sample D

2 - pH_{H2O} - sample D

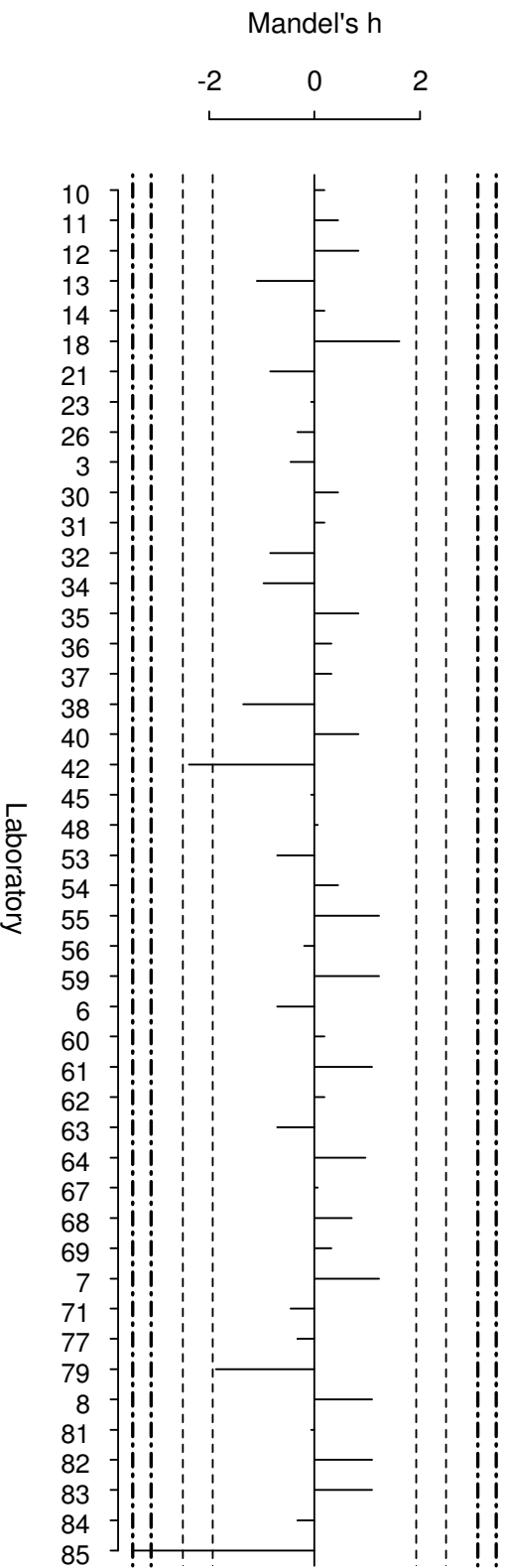
Step:2; Nlab:45; Mgen:4.567; Fval:36.04; Pval:0; sRep:0.04944; sLab:0.169; sRpr:0.1761; CV:3.855



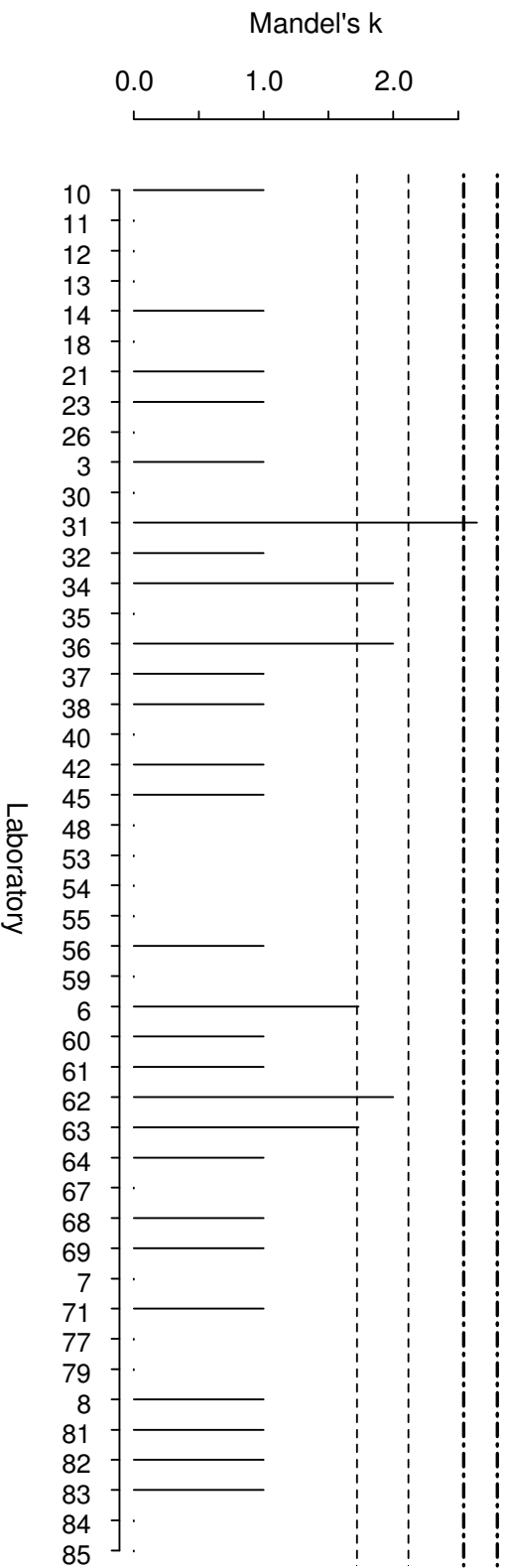
Mandel's h and k plot of Sample E

2 - pHH2O - sample E

Step: 1; Nlab:46; Mgen:3.984; Fval:60.26; Pval:0; sRep:0.05774; sLab:0.2566; sRpr:0.263; CV:6.601



S: 85



S: 31