

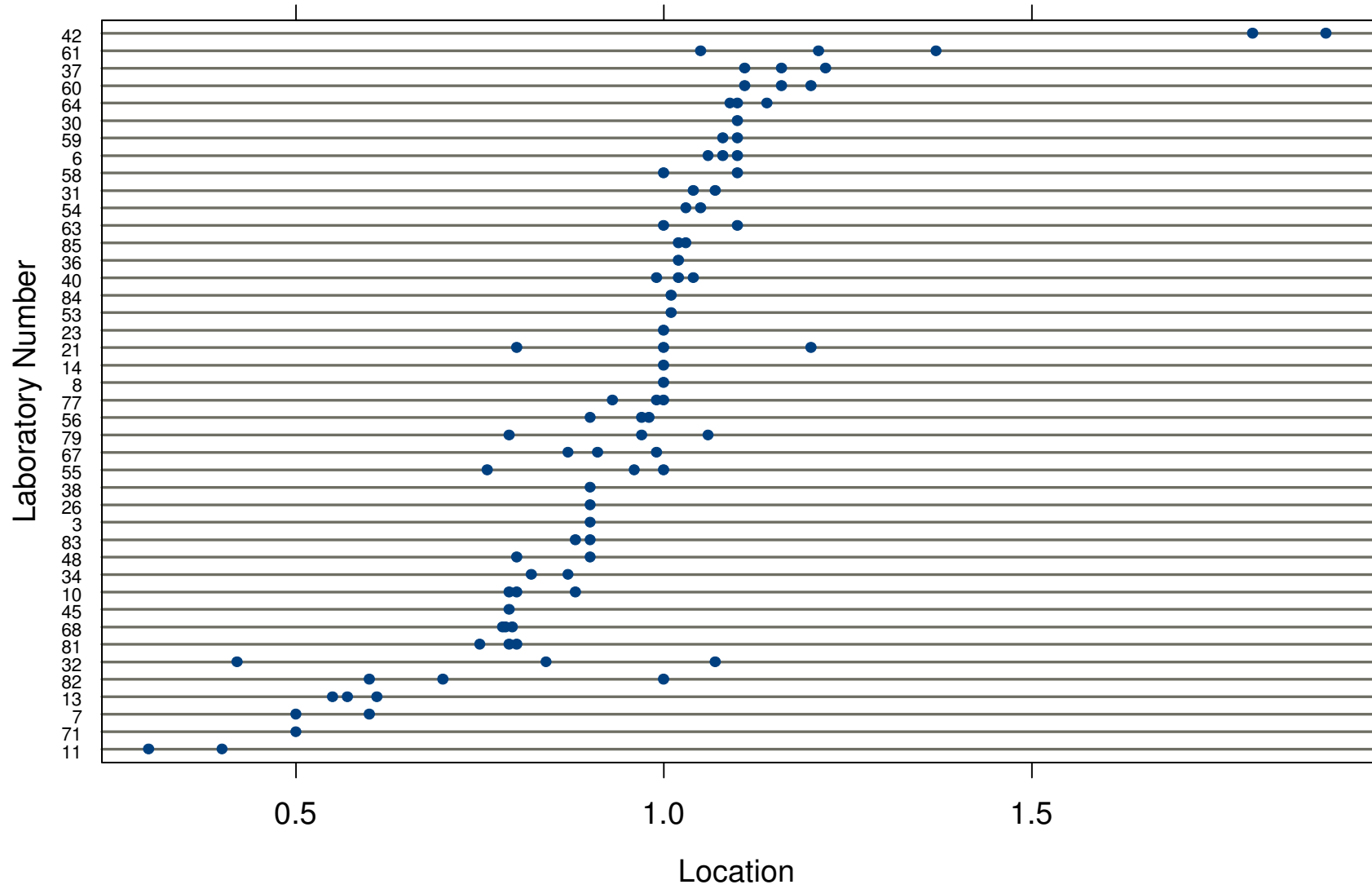
Annex 5: Statistical data analysis

Group 0: Soil moisture content
(SA01)

Soil moisture content

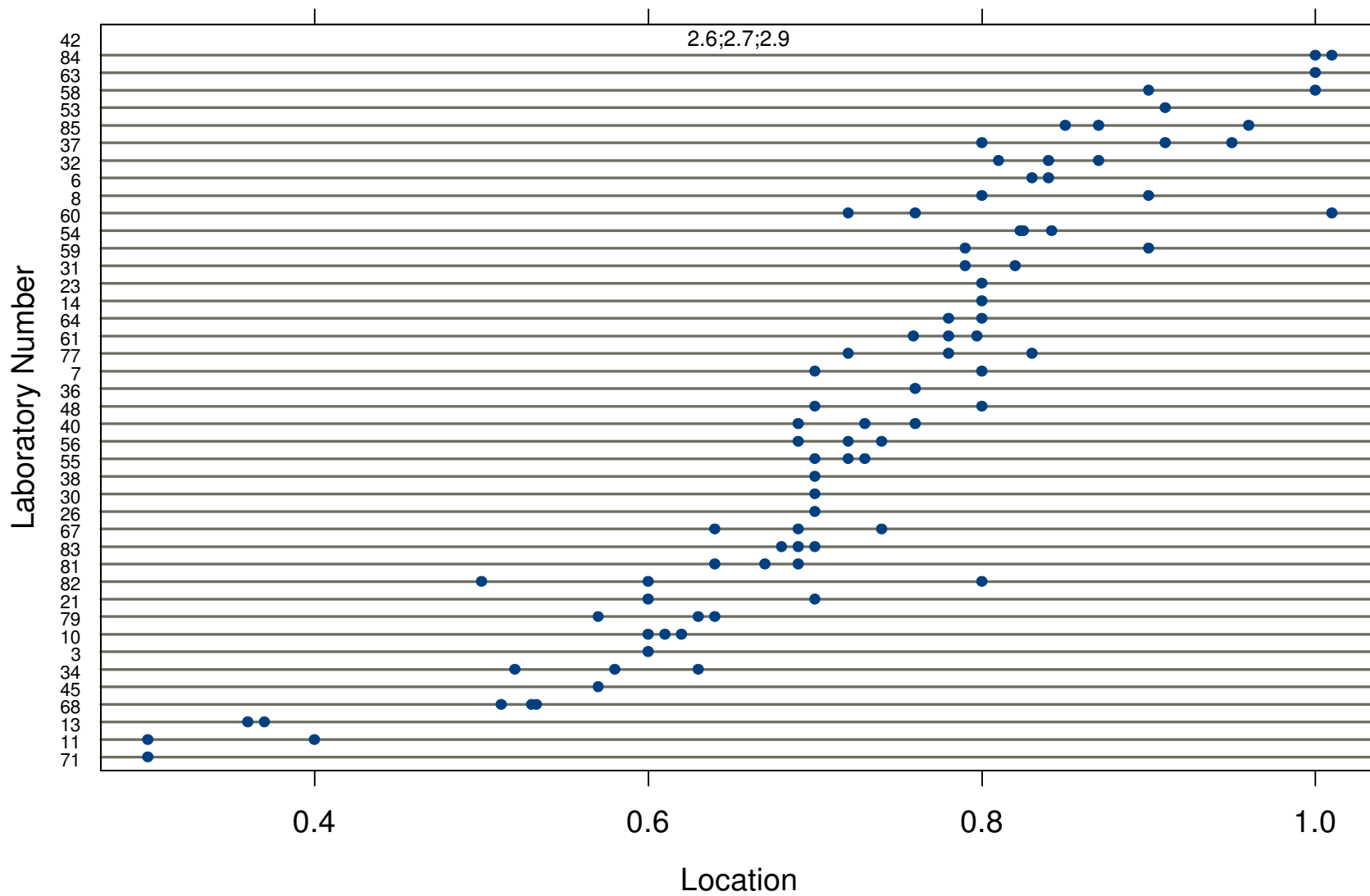
Dot plot Sample A

0 - Moisture - Sample A



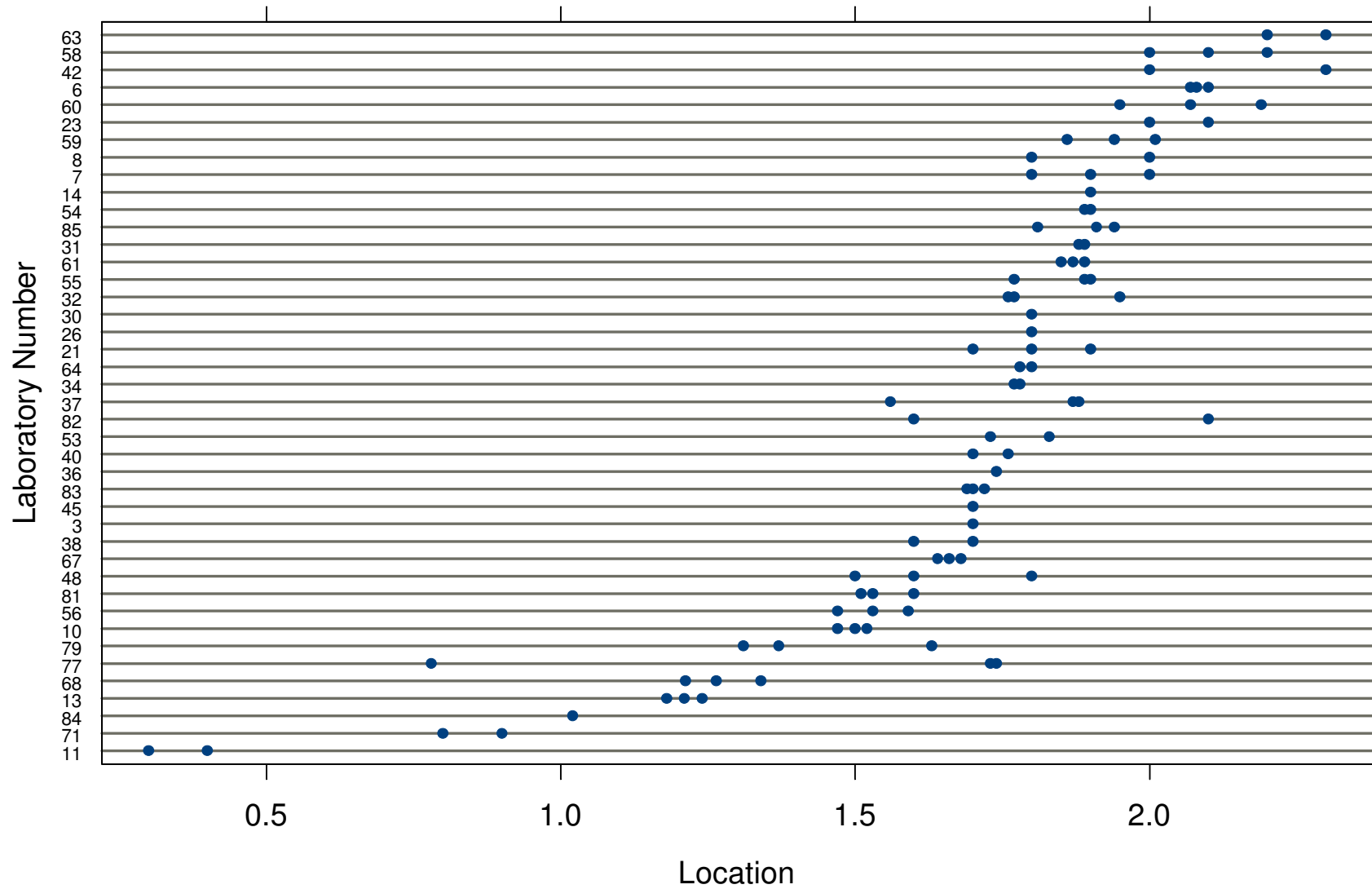
Dot plot Sample B

0 - Moisture - Sample B



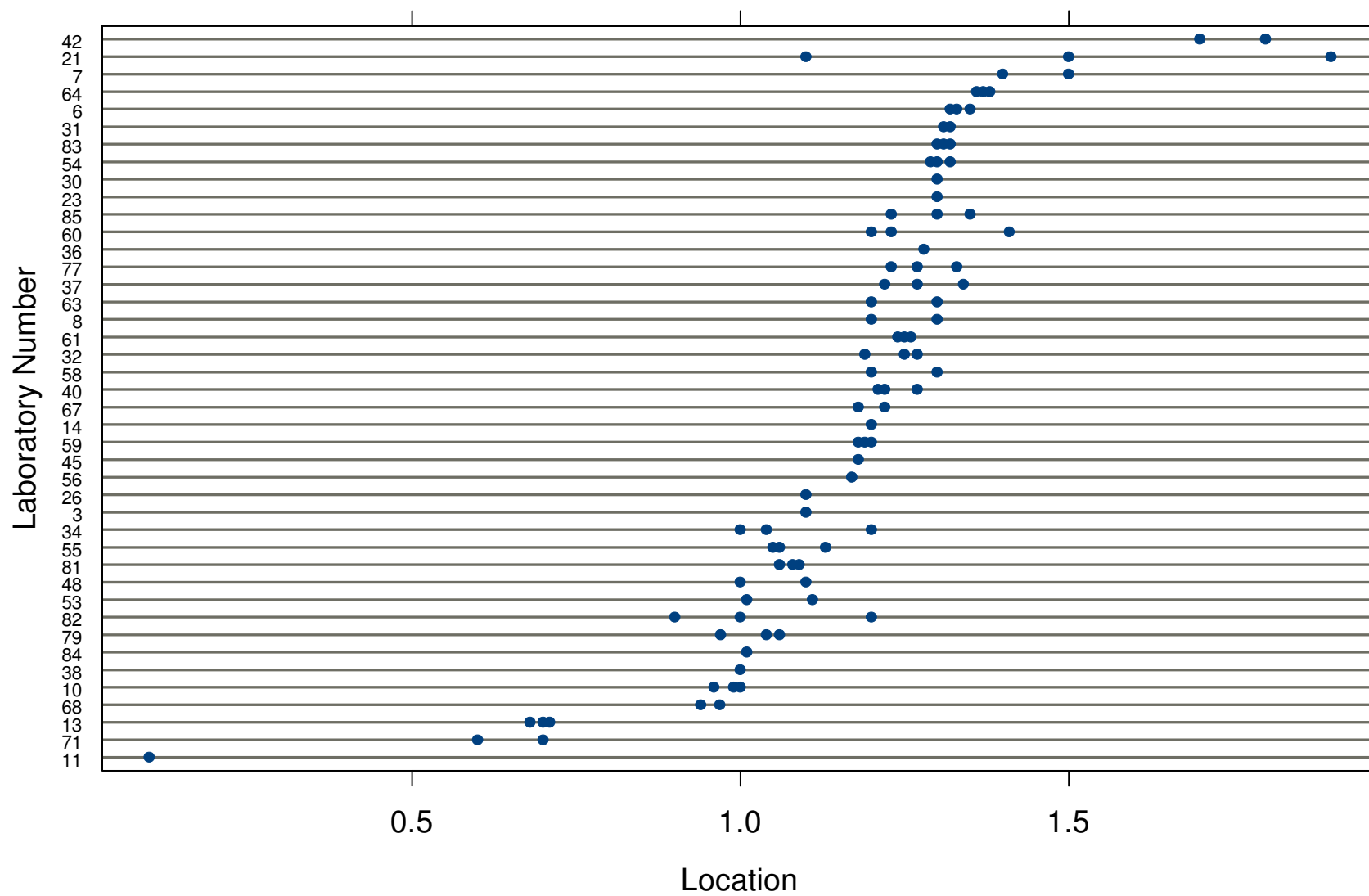
Dot plot Sample C

0 - Moisture - Sample C



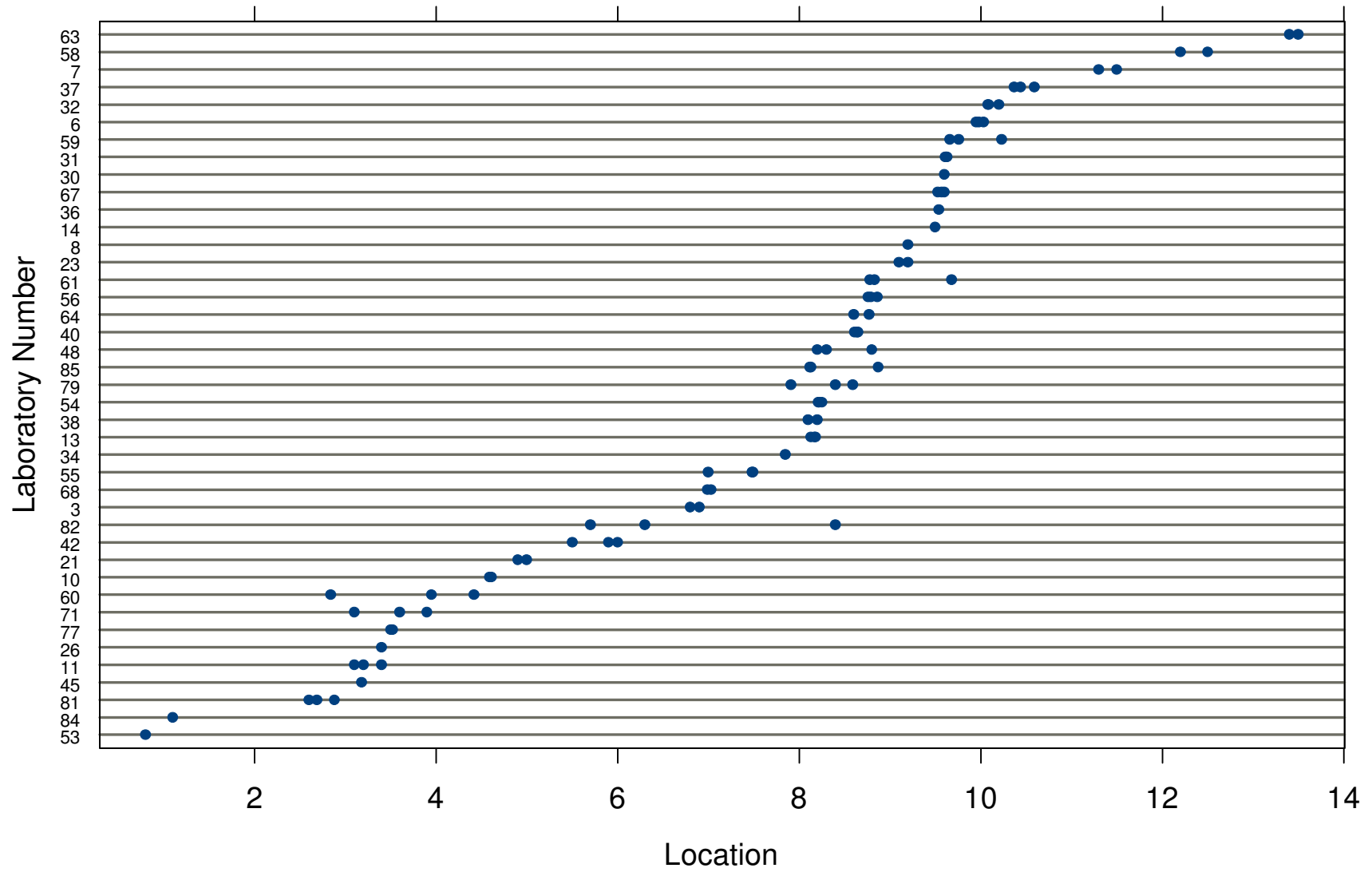
Dot plot Sample D

0 - Moisture - Sample D

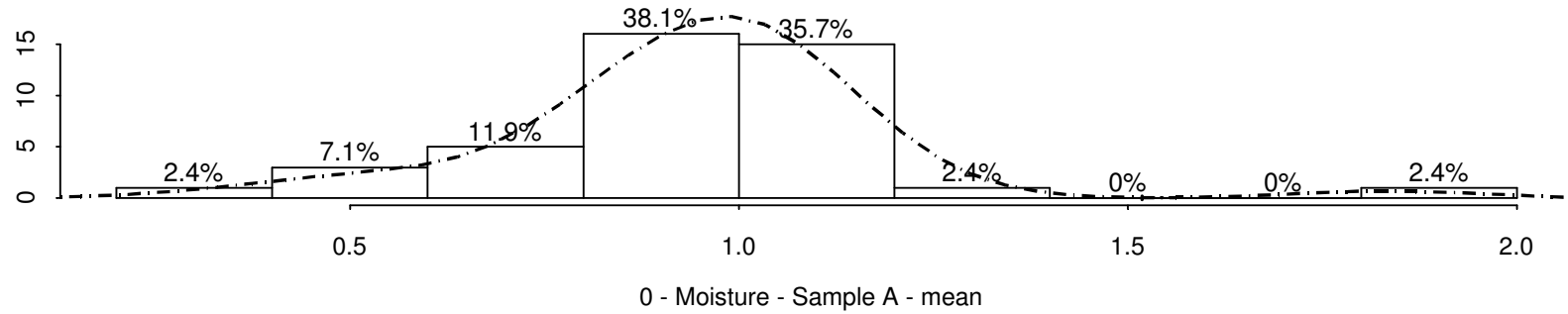


Dot plot Sample E

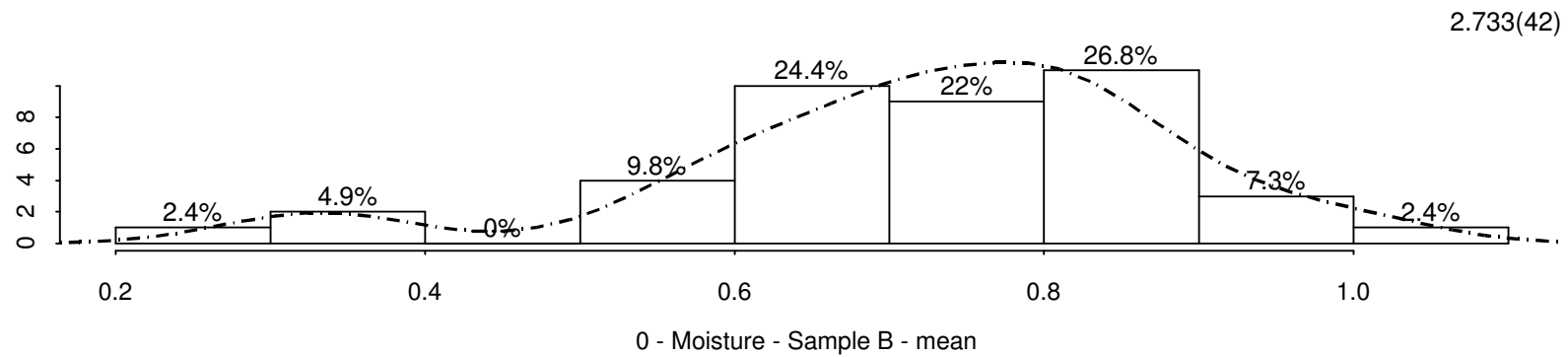
0 - Moisture - Sample E



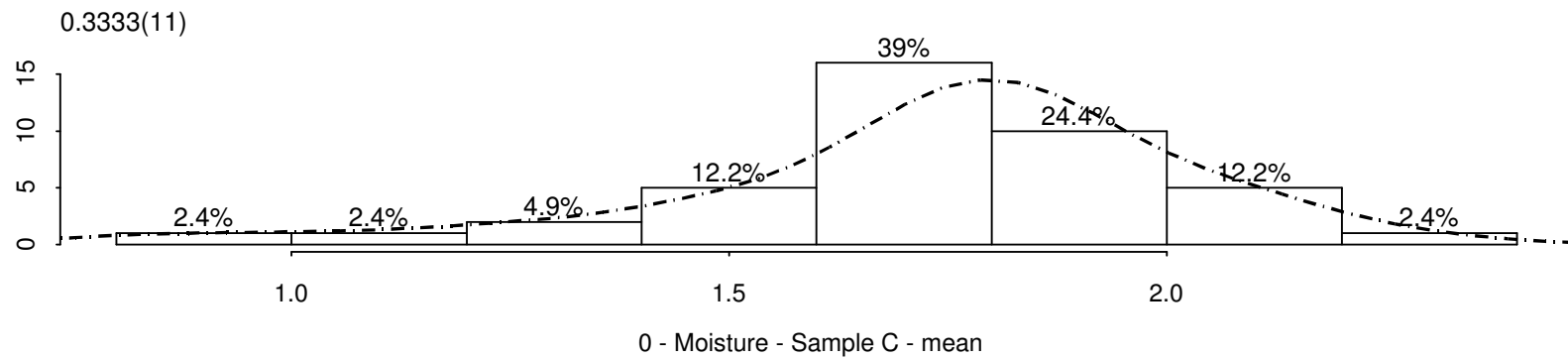
Histogram of the means of Samples A, B, C



N: 42 NA: 0 Z: 0 E: 0 U: 42
a: 0.9462 m: 0.9867 s: 0.2271

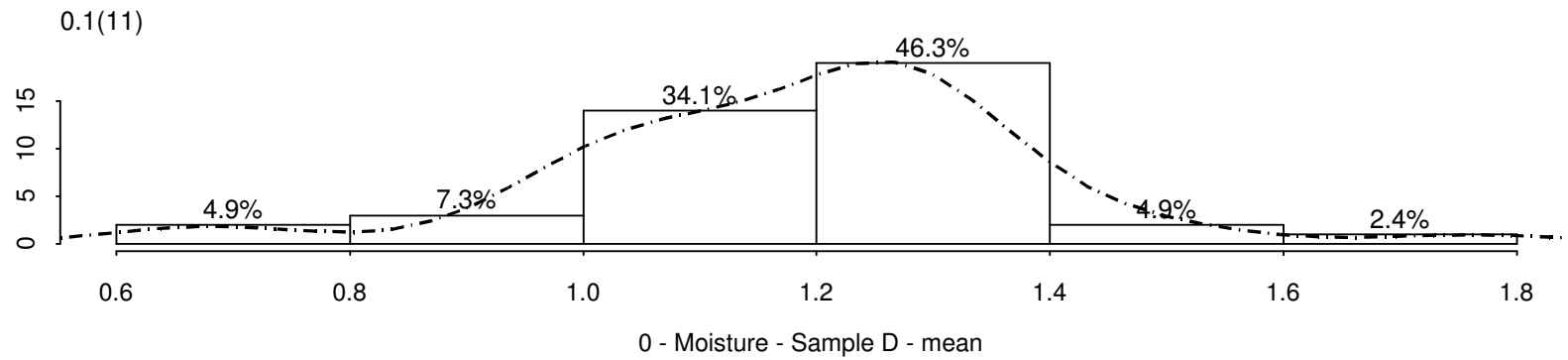


N: 42 NA: 0 Z: 0 E: 0,1 U: 41
a: 0.7724 m: 0.7467 s: 0.3472

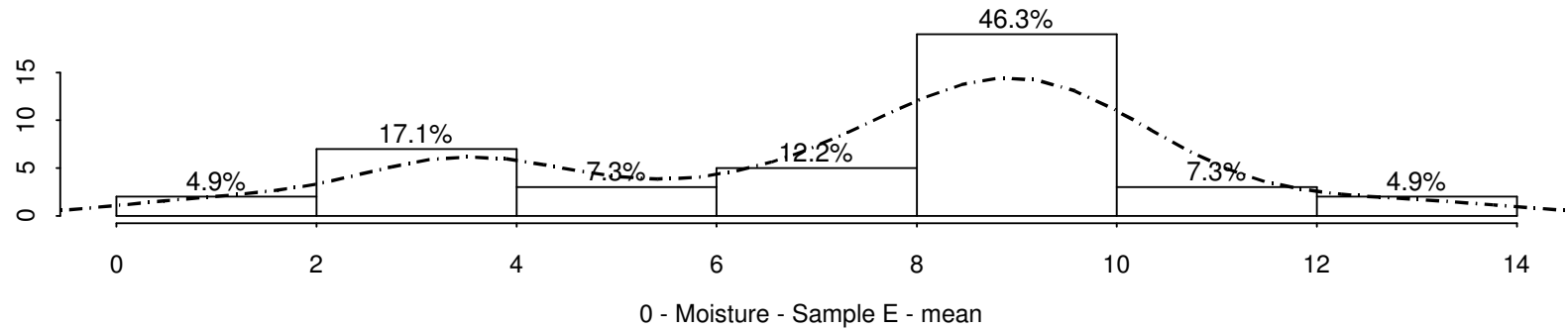


N: 42 NA: 0 Z: 0 E: 1,0 U: 41
a: 1.702 m: 1.772 s: 0.3575

Histogram of the means of Sample D and E

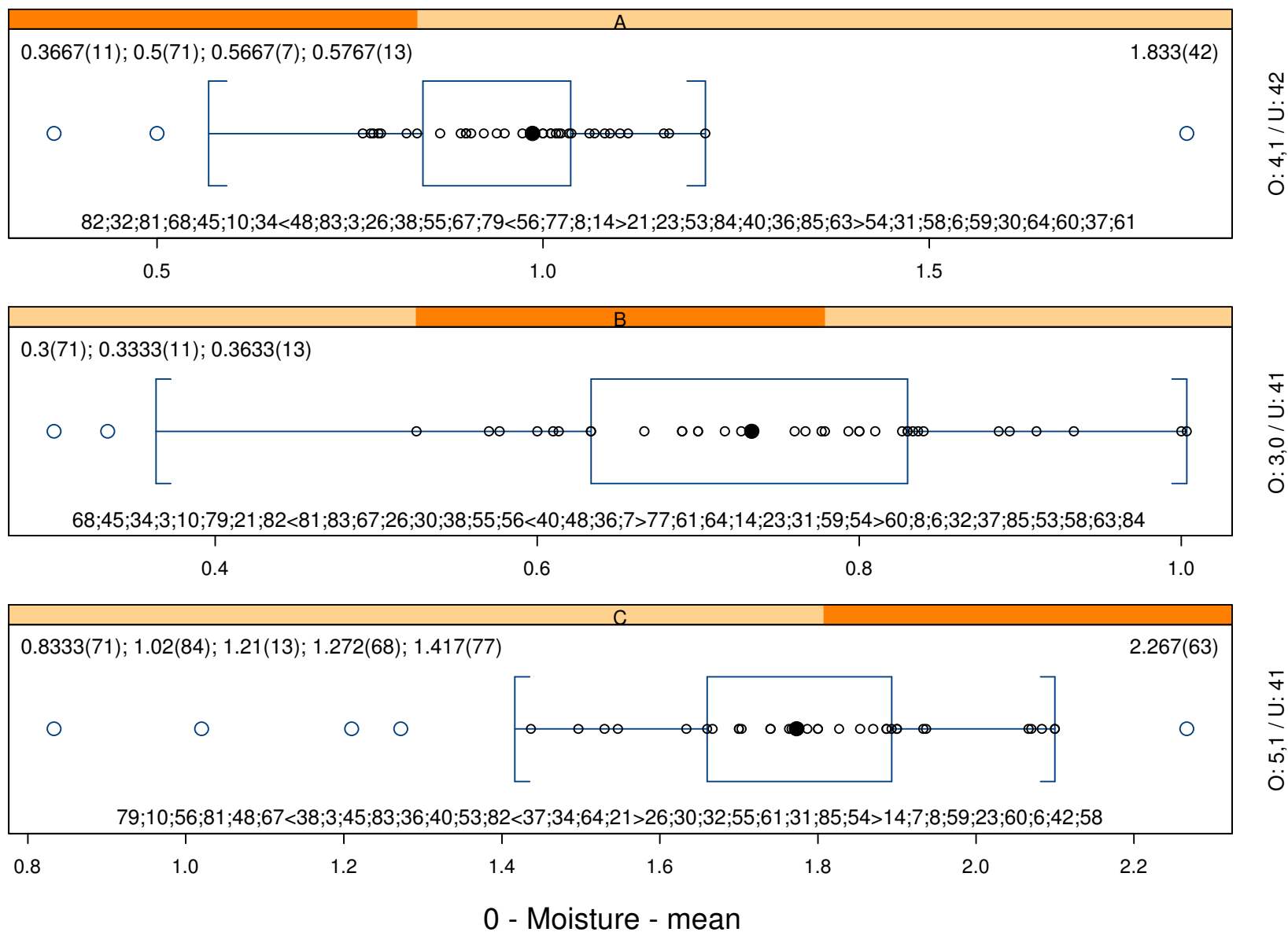


N: 42 NA: 0 Z: 0 E: 1.0 U: 41
a: 1.162 m: 1.22 s: 0.2551

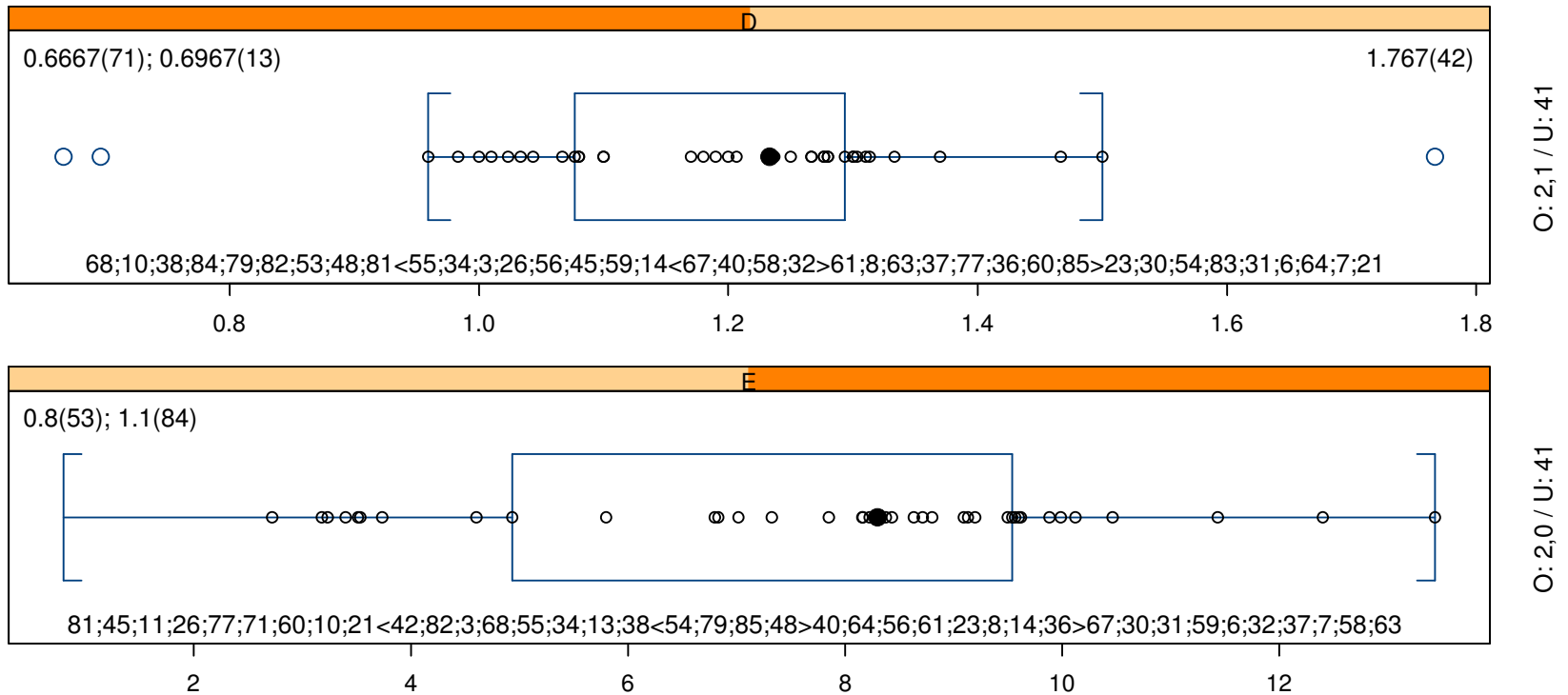


N: 41 NA: 0 Z: 0 E: 0 U: 41
a: 7.443 m: 8.3 s: 3.029

Box plots of the means of Samples A, B, C

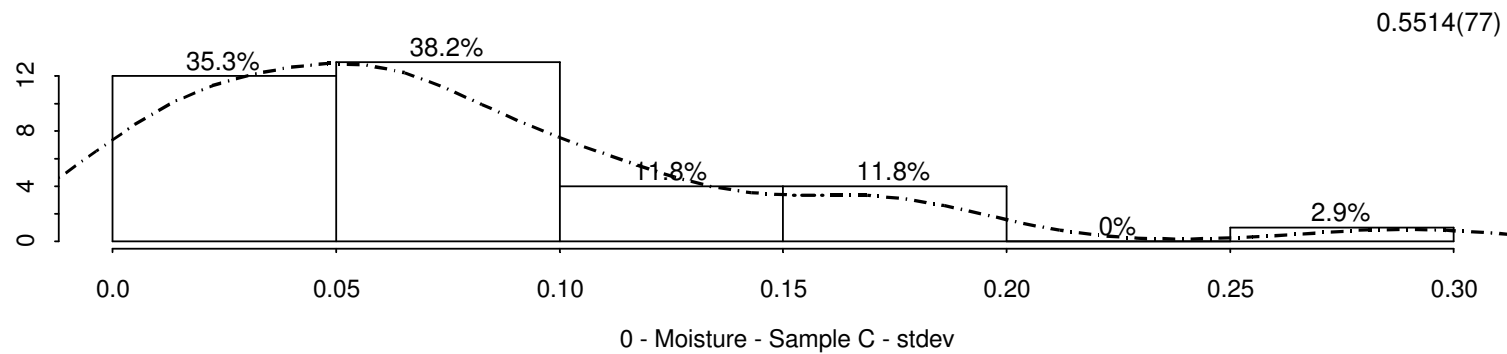
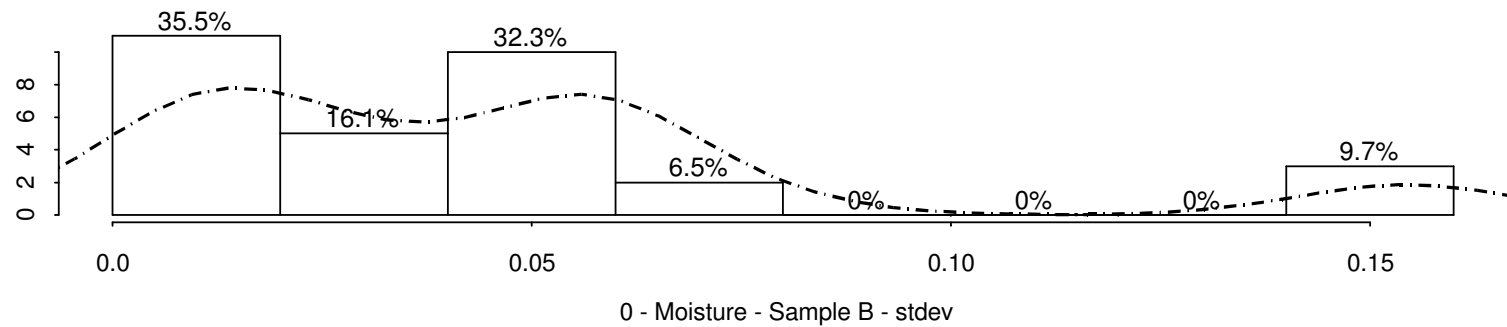
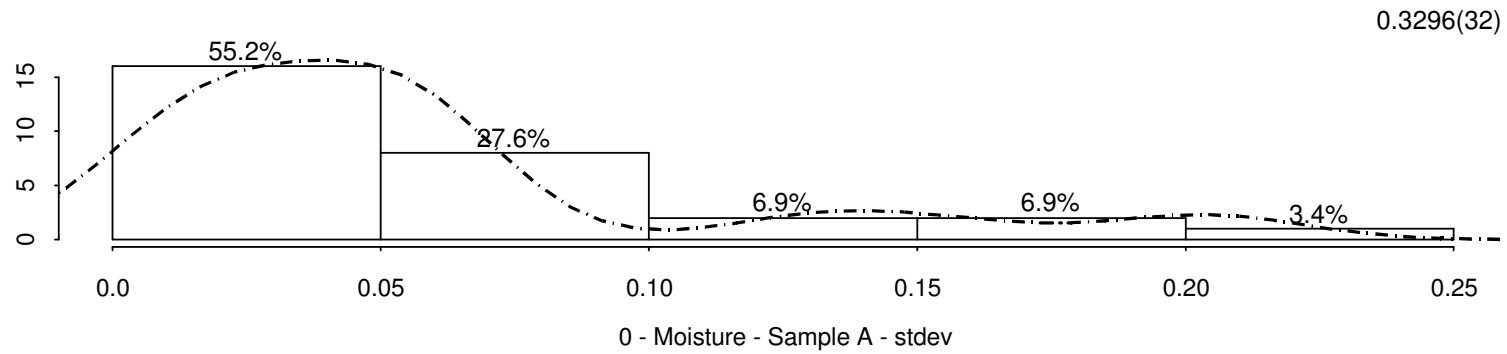


Box plots of the means of Samples D and E



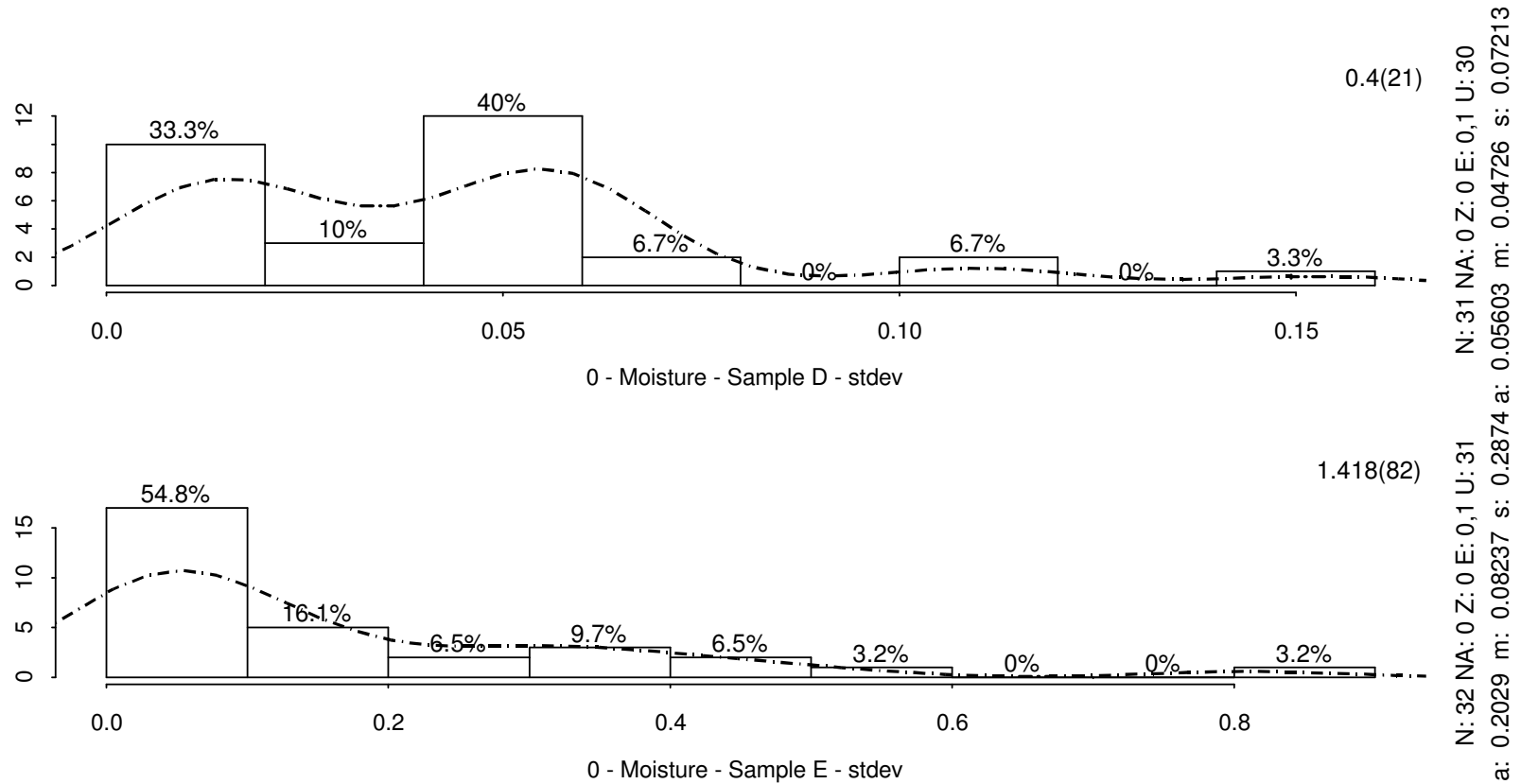
0 - Moisture - mean

Histogram of the standard deviations of Samples A, B, C

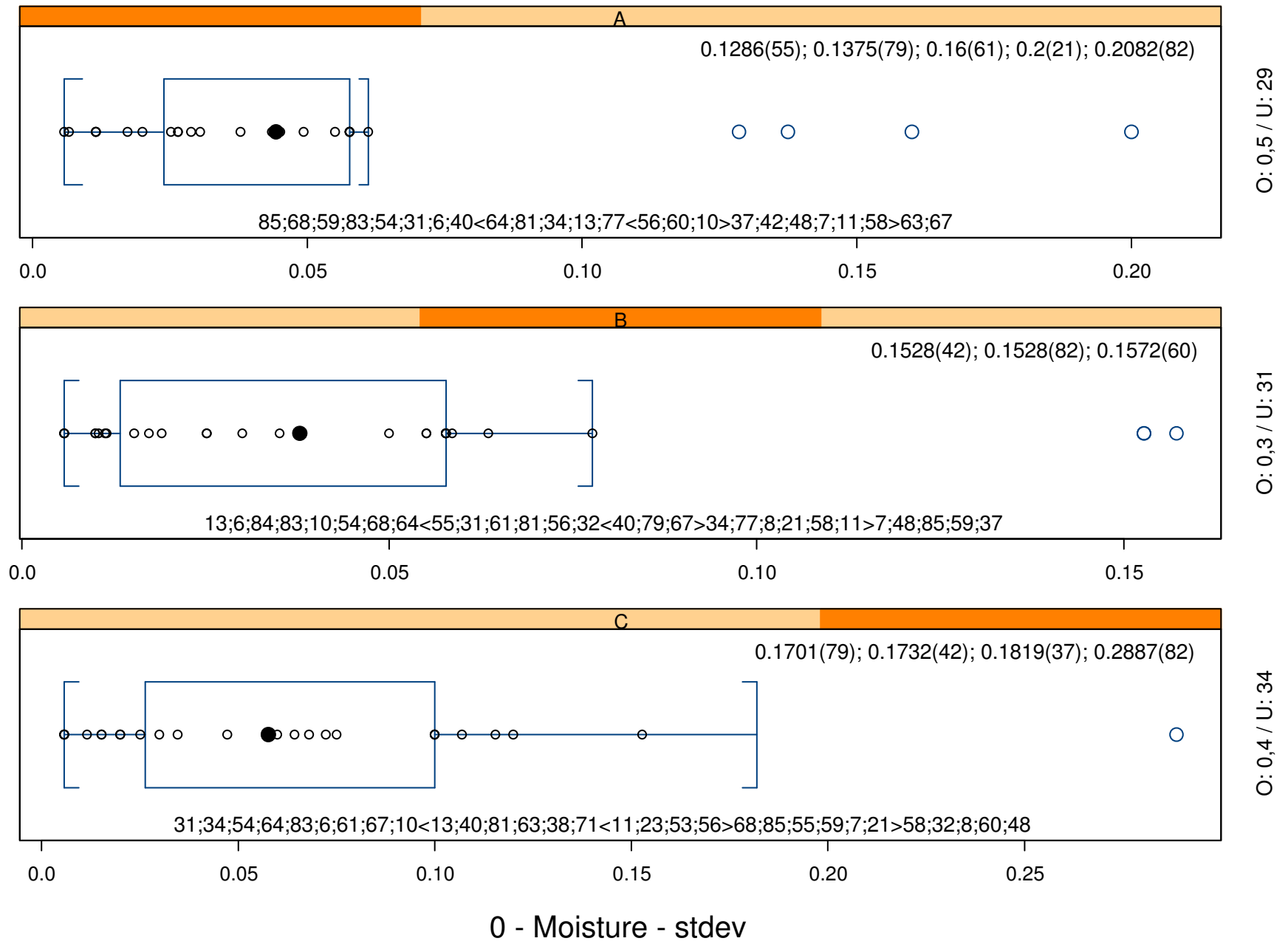


N: 30 NA: 0 Z: 0 E: 0.1 U: 29
 N: 31 NA: 0 Z: 0 E: 0 U: 31
 N: 35 NA: 0 Z: 0 E: 0.1 U: 34
 a: 0.08809 m: 0.05774 s: 0.1015 a: 0.1015 a: 0.04184a: 0.06747 m: 0.04721 s: 0.07334

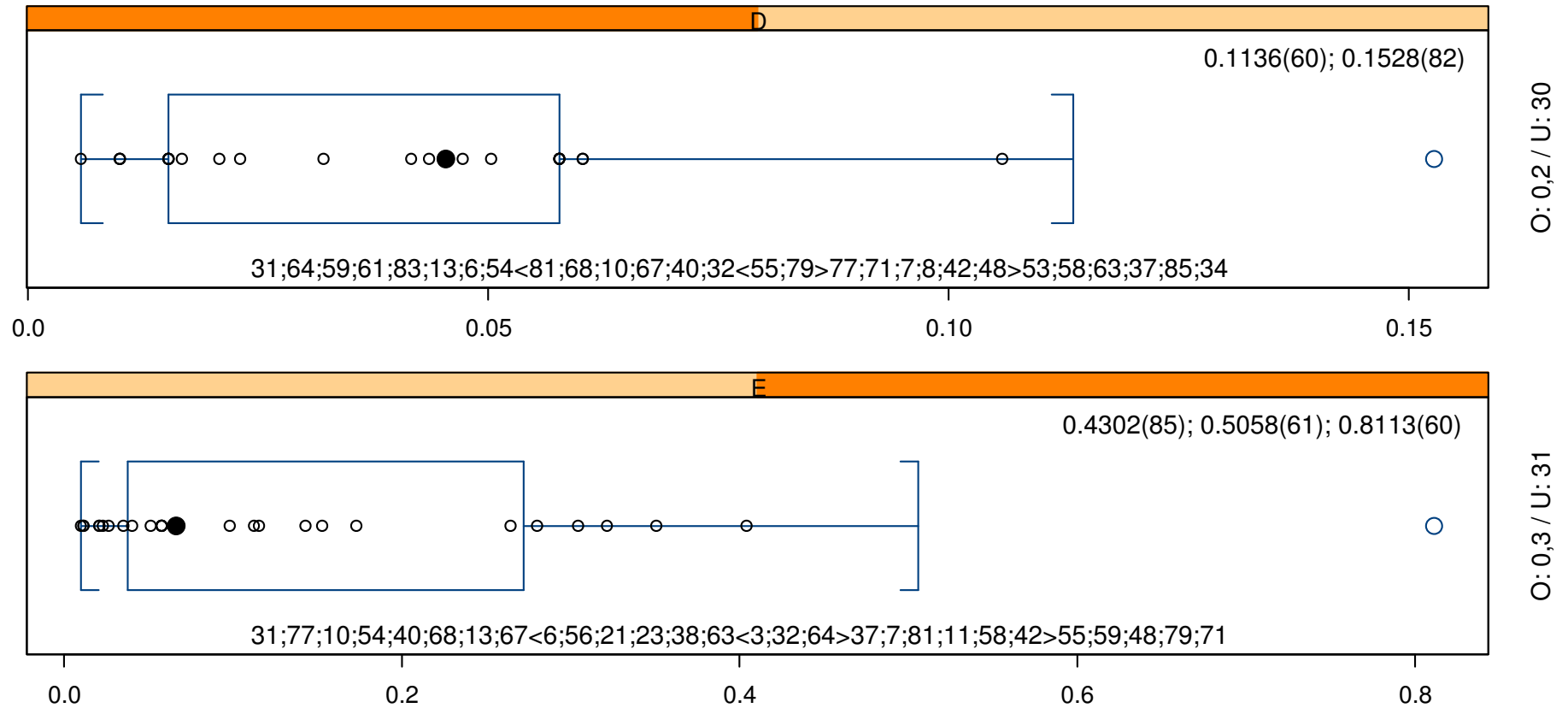
Histogram of the standard deviations of Sample D and E



Box plots of the standard deviations of Samples A, B, C



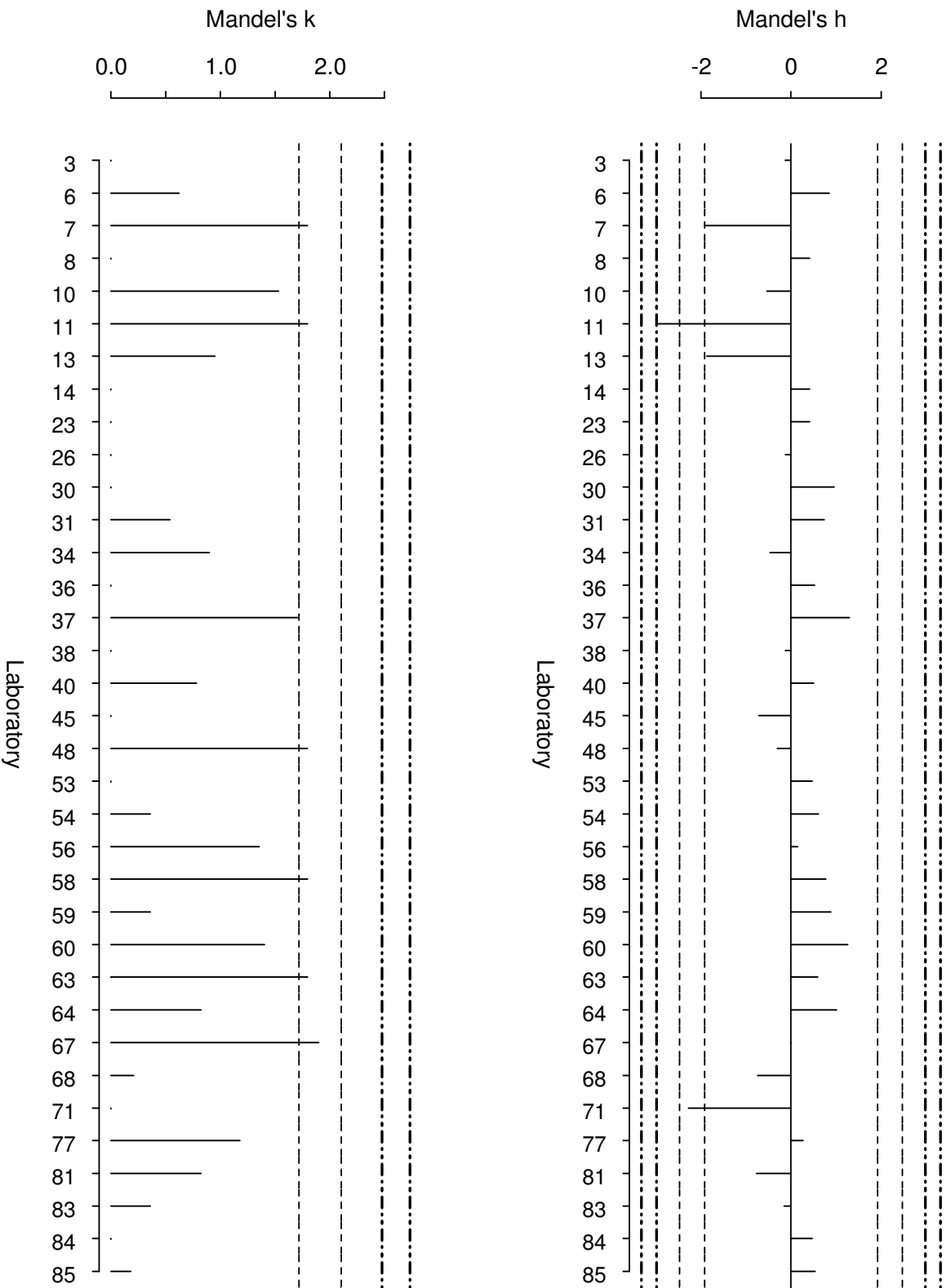
Box plots of the standard deviations of Samples D and E



Mandel's h and k plots Sample A

0 - Moisture - Sample A

Step:5; Nlab:35; Mgen:0.923; Fval:100.1; Pval:0; sRep:0.03217; sLab:0.1849; sRpr:0.1877; CV:20.33



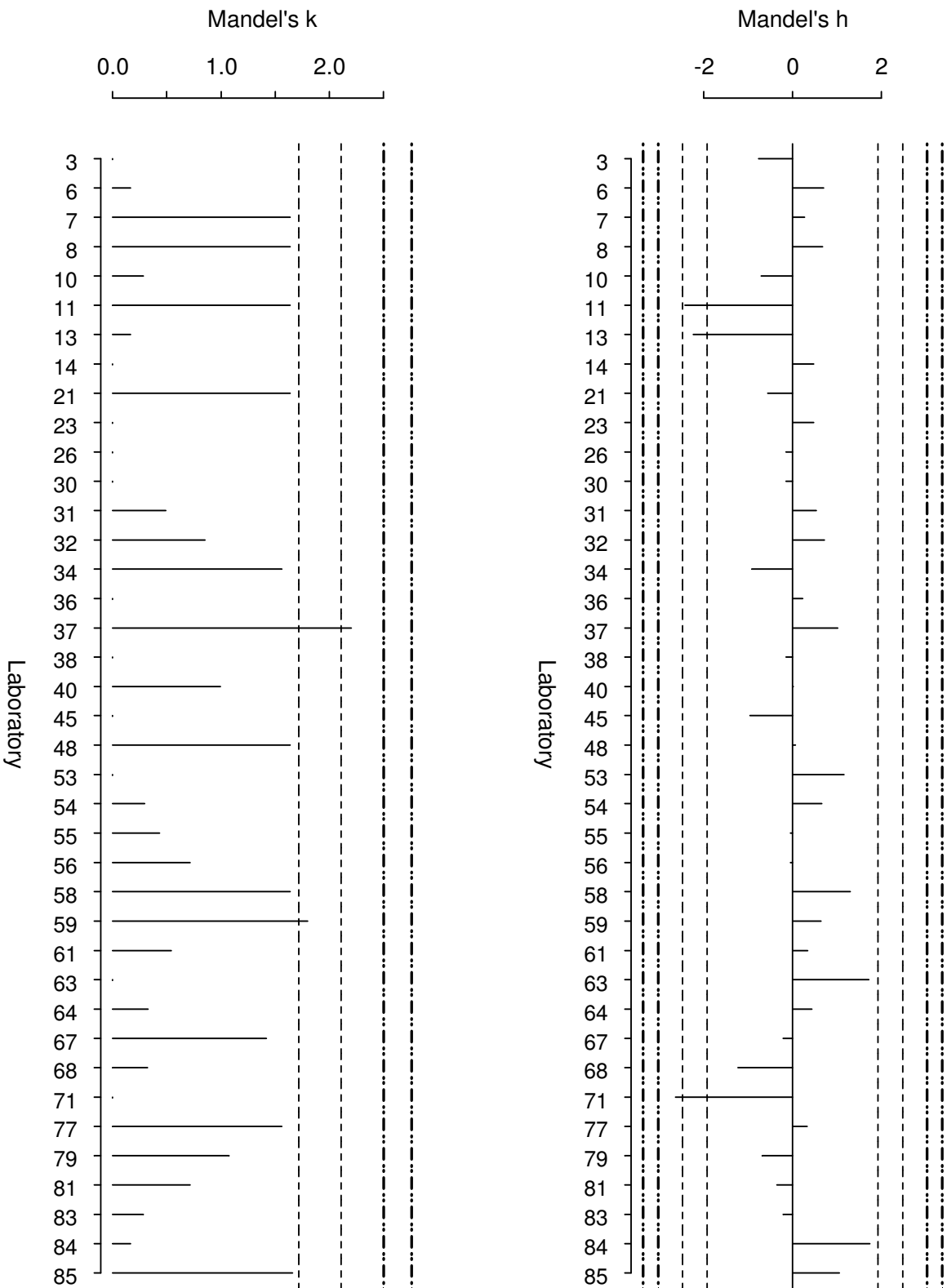
S: 11

E: k32;h42;k21;k82;k61;k55;k79

Mandel's h and k plots Sample B

0 - Moisture - Sample B

Step:2; Nlab:39; Mgen:0.7242; Fval:62.52; Pval:0; sRep:0.03525; sLab:0.1596; sRpr:0.1635; CV:22.57



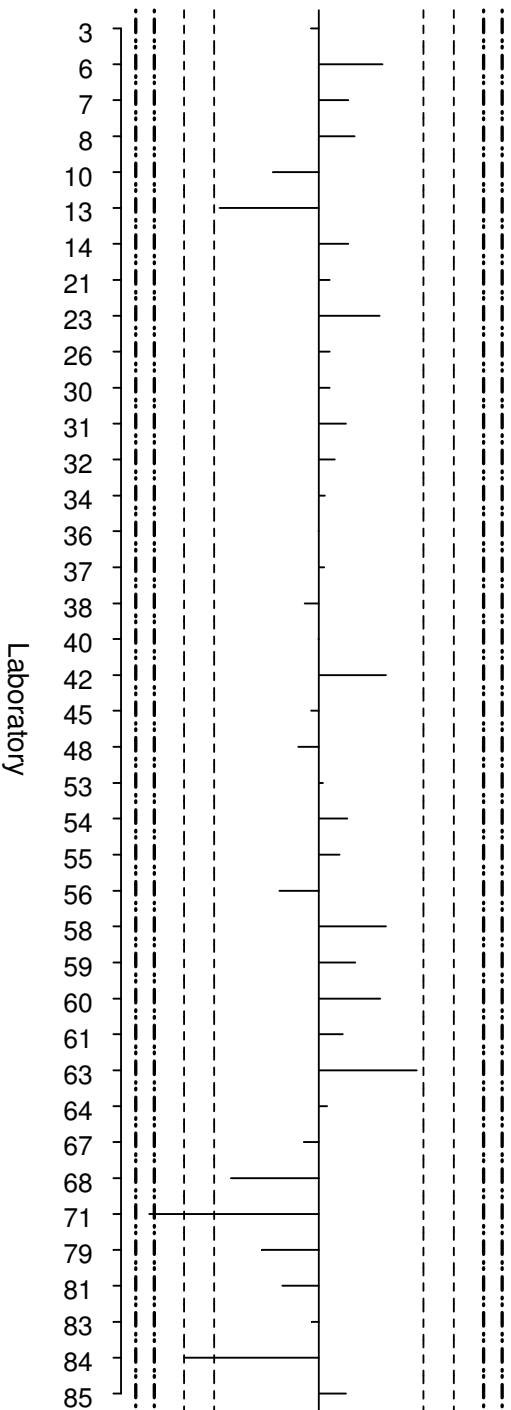
Mandel's h and k plots Sample C

0 - Moisture - Sample C

Step:3; Nlab:39; Mgen:1.742; Fval:42.9; Pval:0; sRep:0.07695; sLab:0.2876; sRpr:0.2977; CV:17.08

Mandel's h

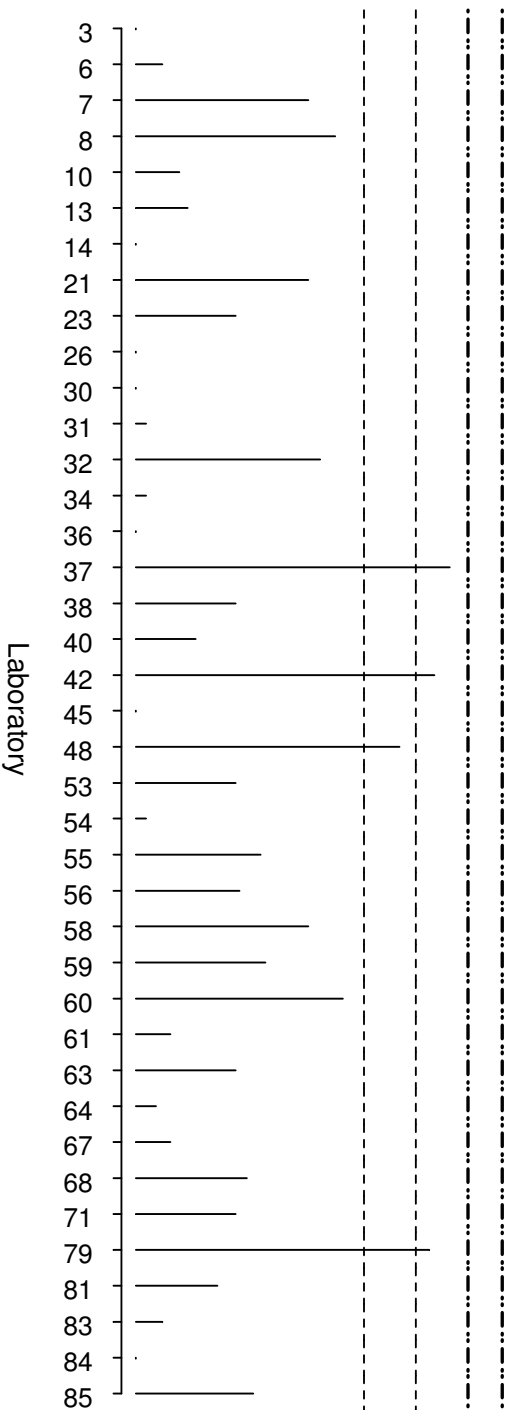
-2 0 2



S: 71

Mandel's k

0.0 1.0 2.0

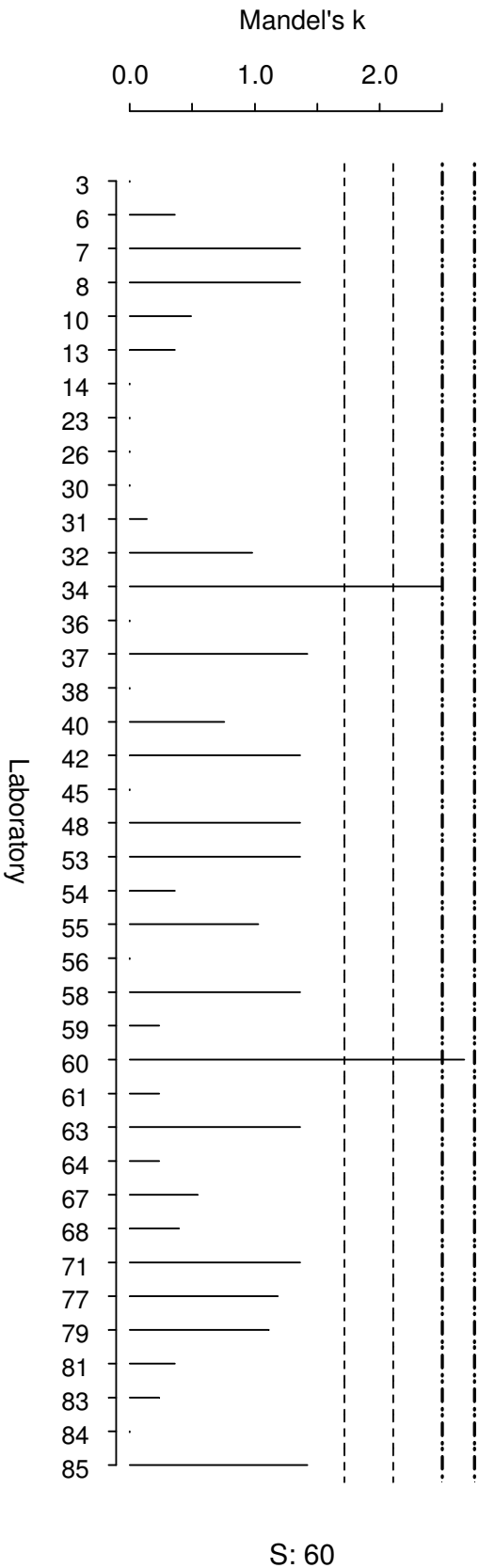
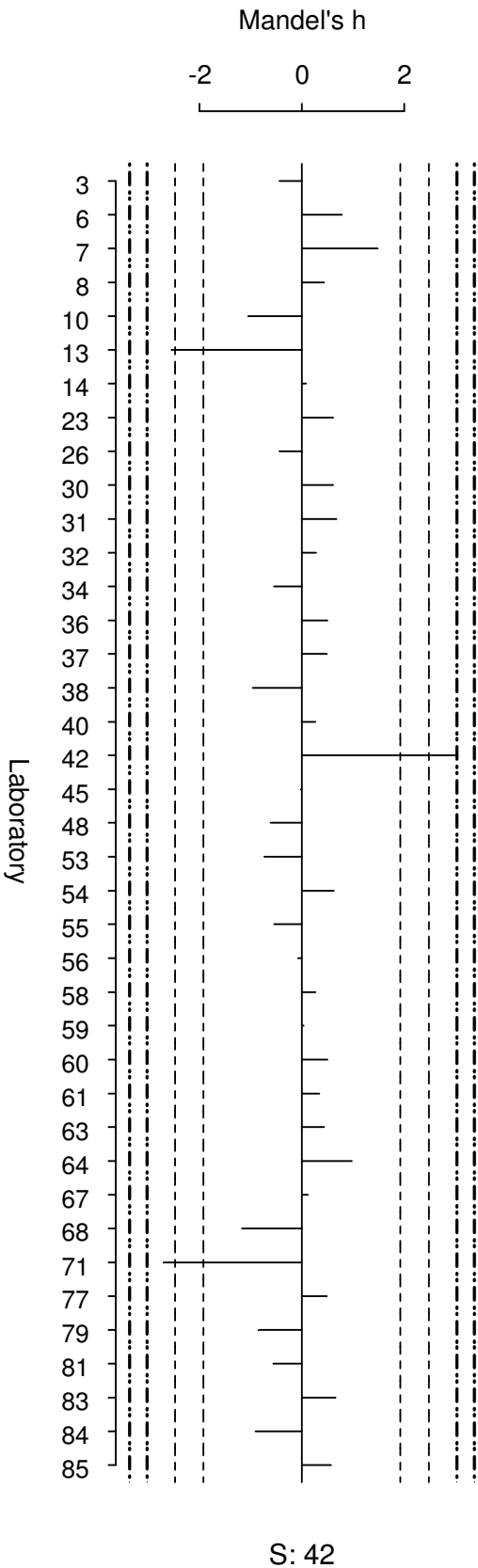


E: h11;k77;k82

Mandel's h and k plots Sample D

0 - Moisture - Sample D

Step:3; Nlab:39; Mgen:1.184; Fval:61.11; Pval:0; sRep:0.04239; sLab:0.1897; sRpr:0.1944; CV:16.42



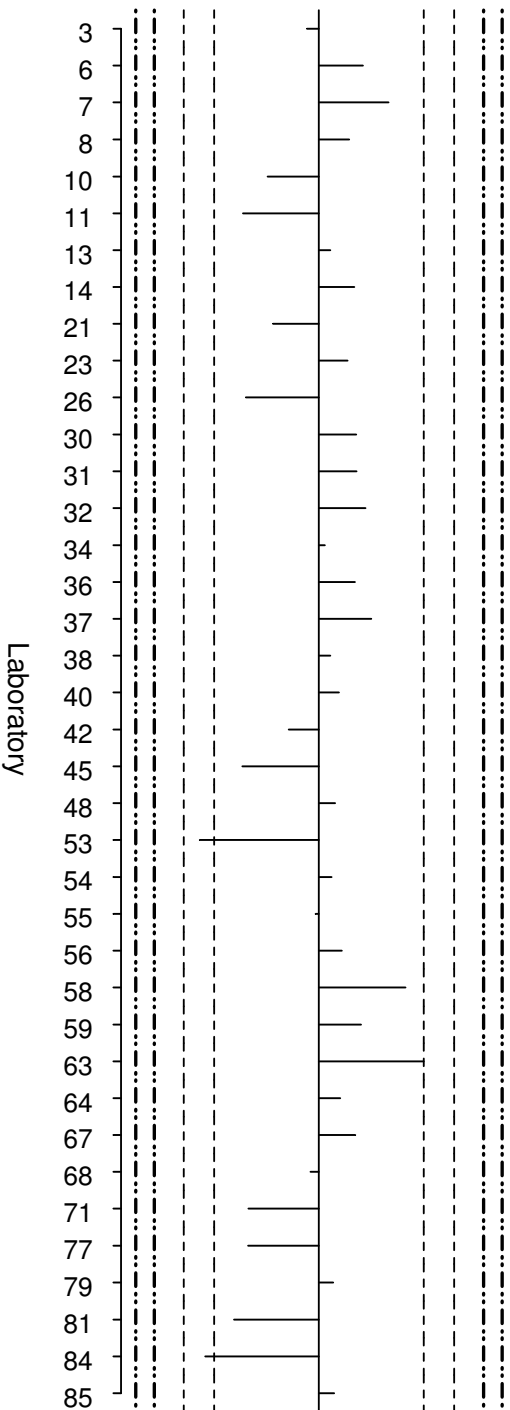
Mandel's h and k plots Sample E

0 - Moisture - Sample E

Step:4; Nlab:38; Mgen:7.514; Fval:1130; Pval:0; sRep:0.1585; sLab:3.074; sRpr:3.078; CV:40.96

Mandel's h

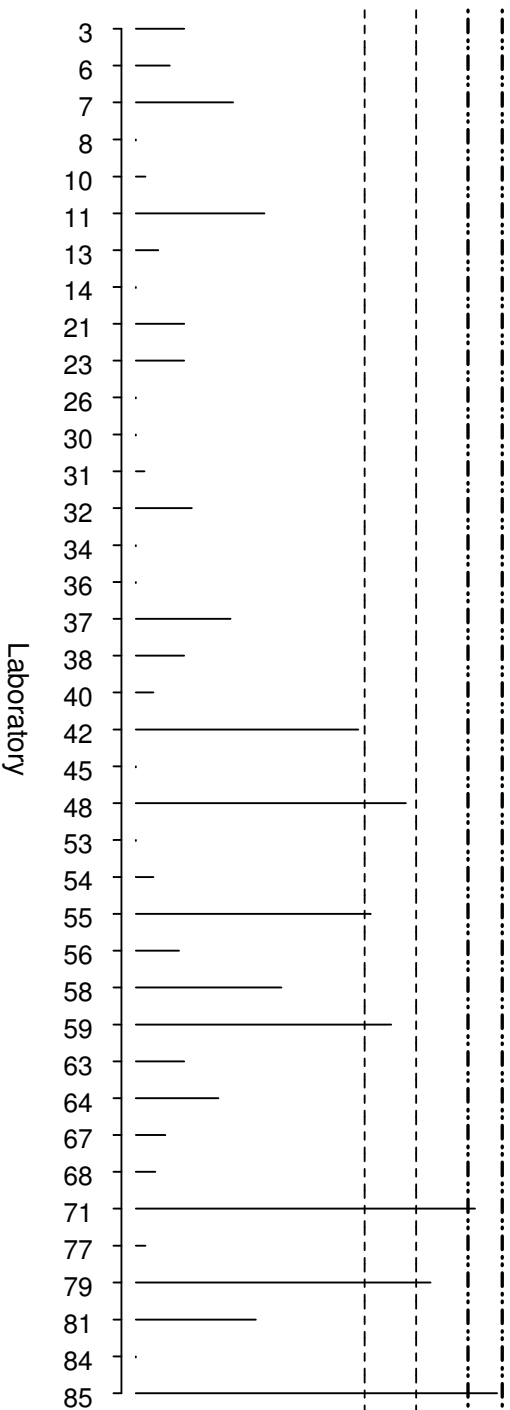
-2 0 2



E: k82;k60;k61

Mandel's k

0.0 1.0 2.0



S: 71,85