



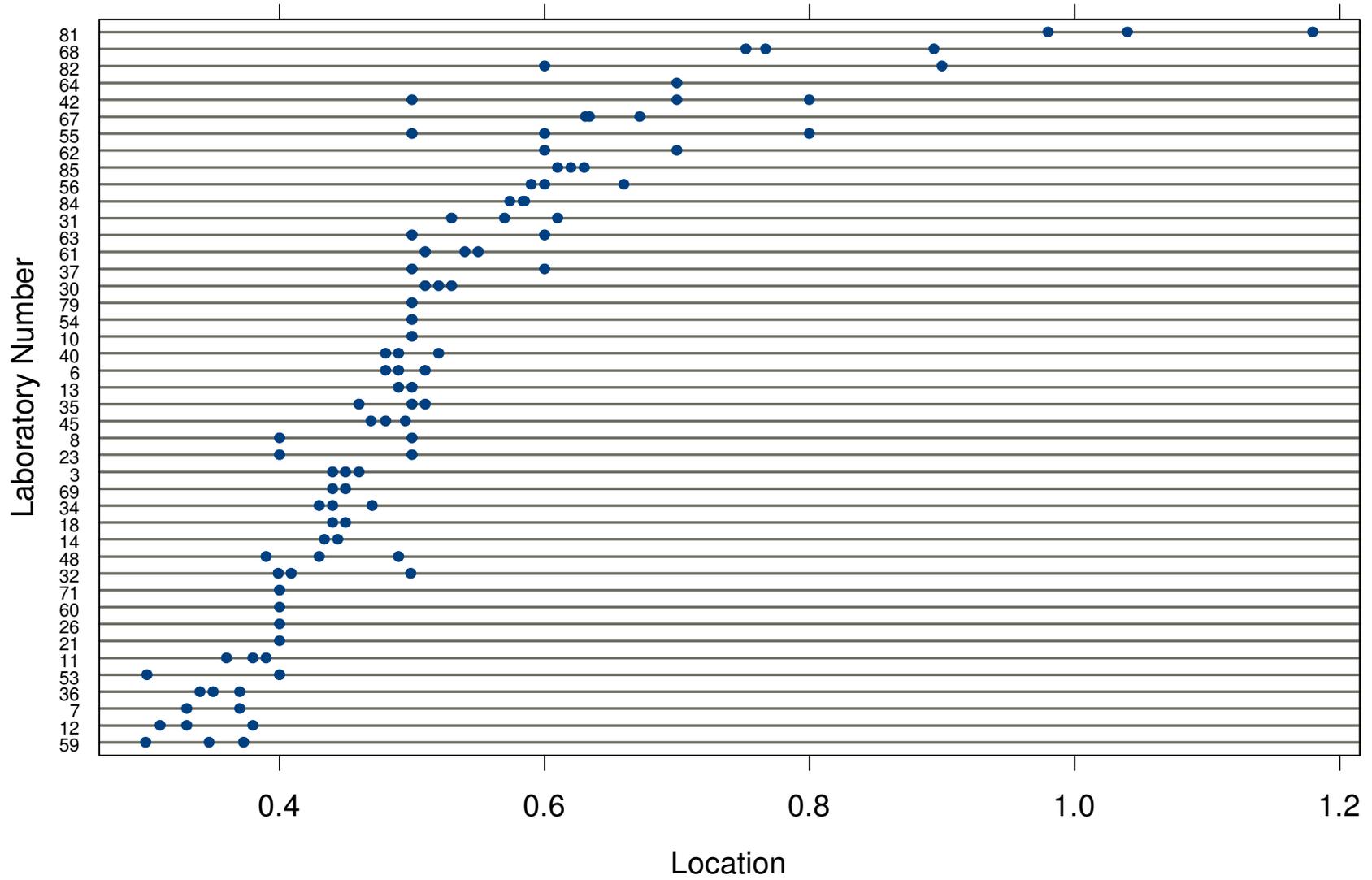
Annex 5: Statistical data analysis

Group 5: Total Nitrogen content
(SA09)

Total N

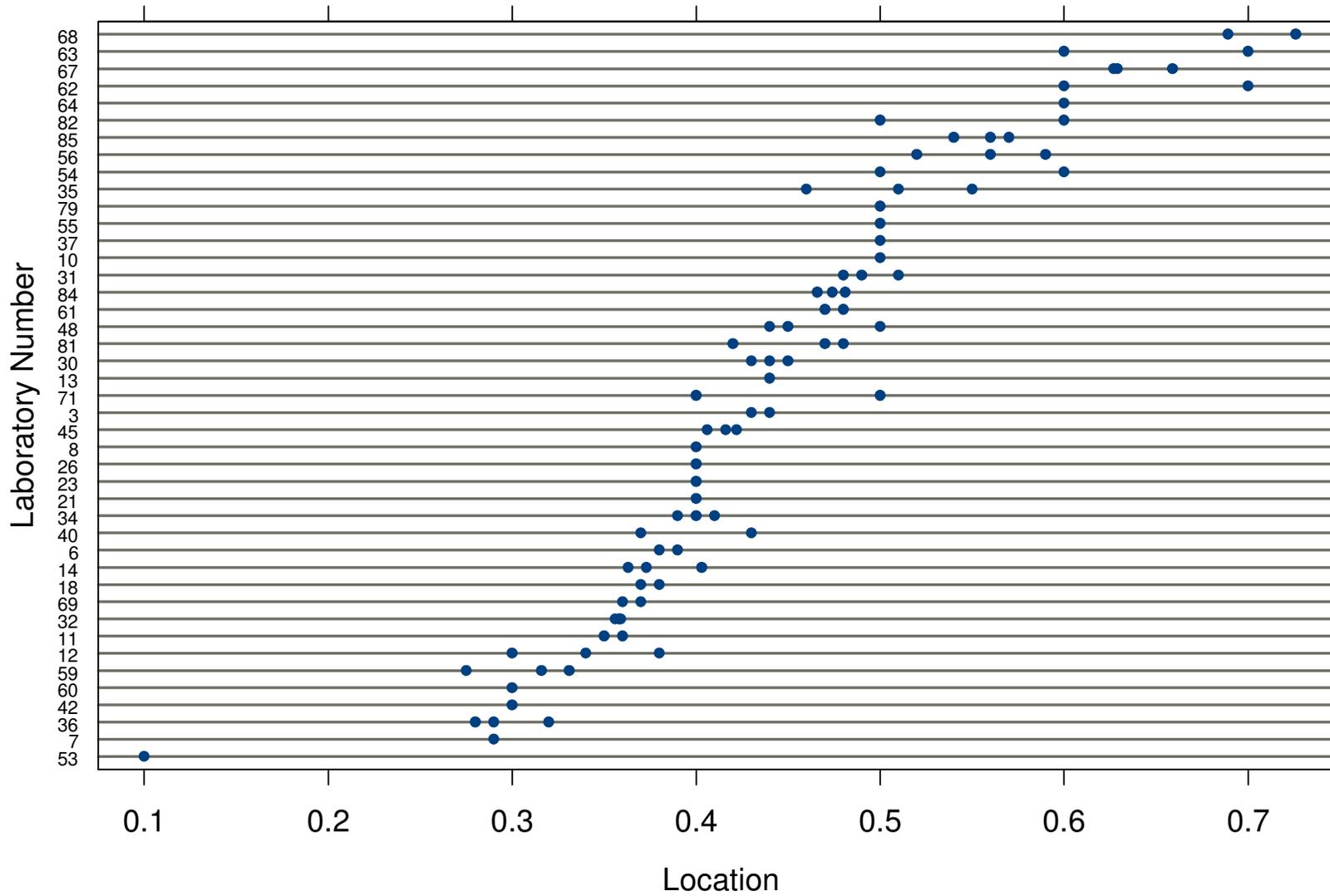
Dot plot sample A

5 - Total N - Sample A



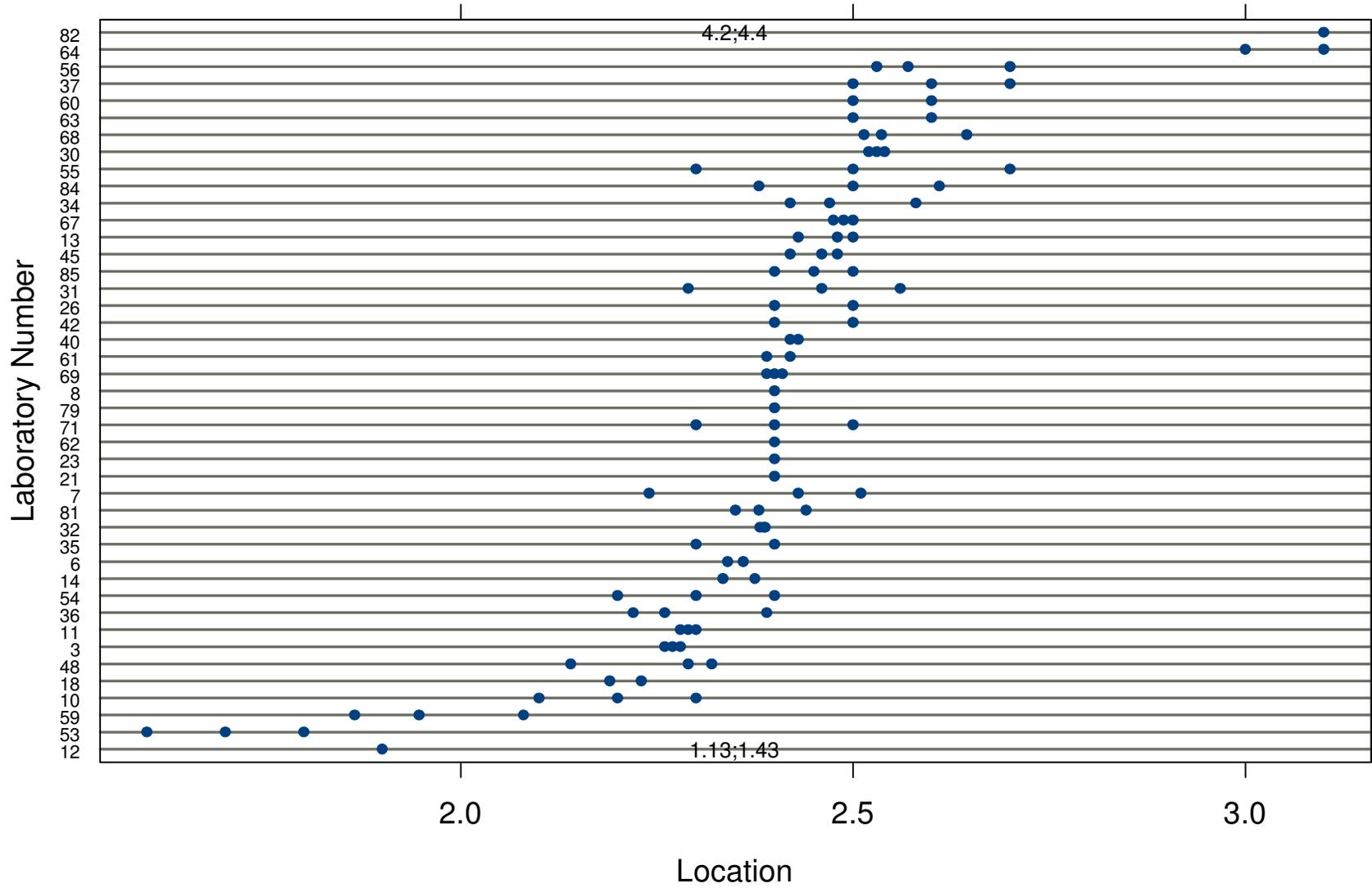
Dot plot sample B

5 - Total N - Sample B



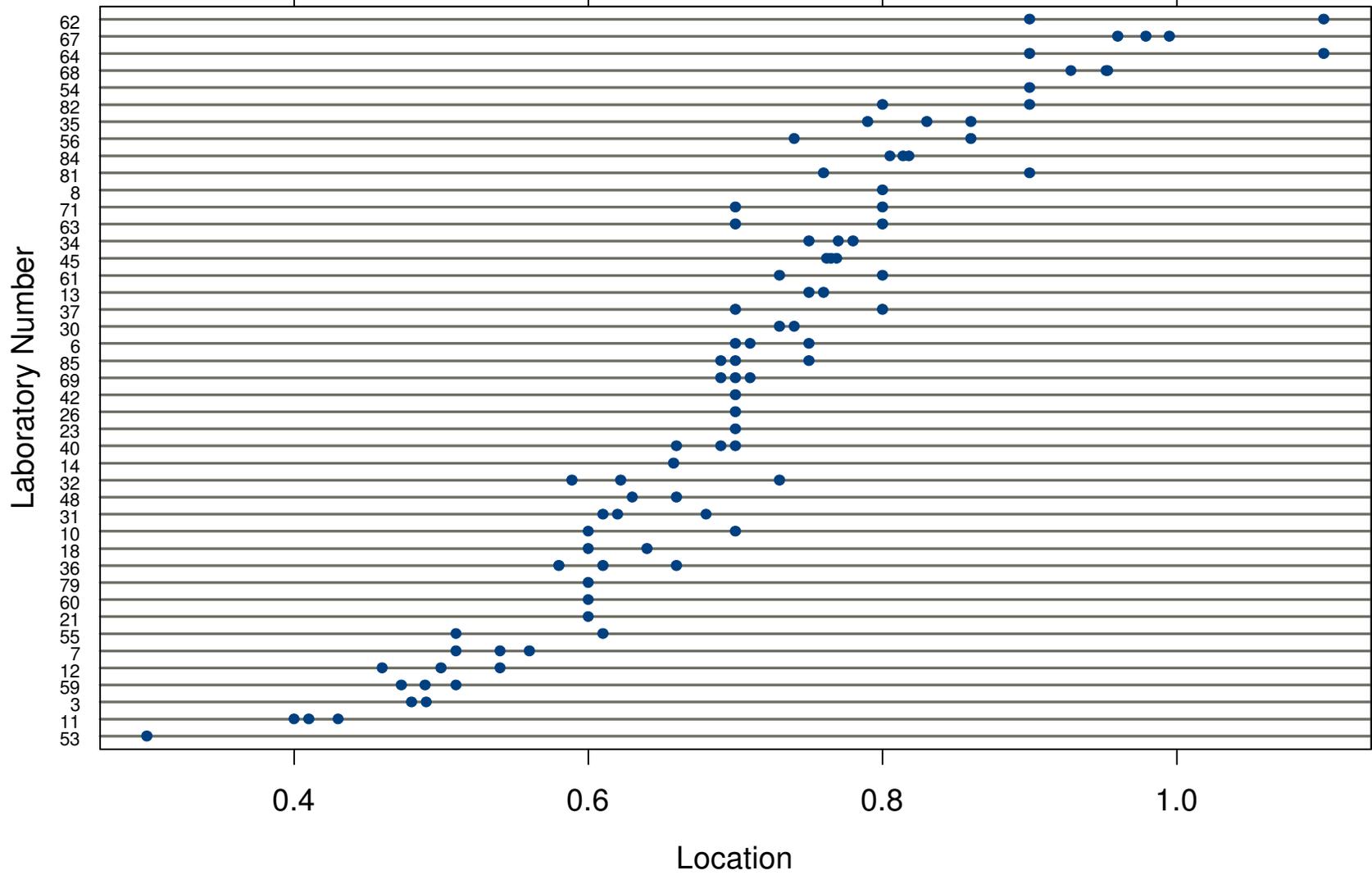
Dot plot sample C

5 - Total N - Sample C



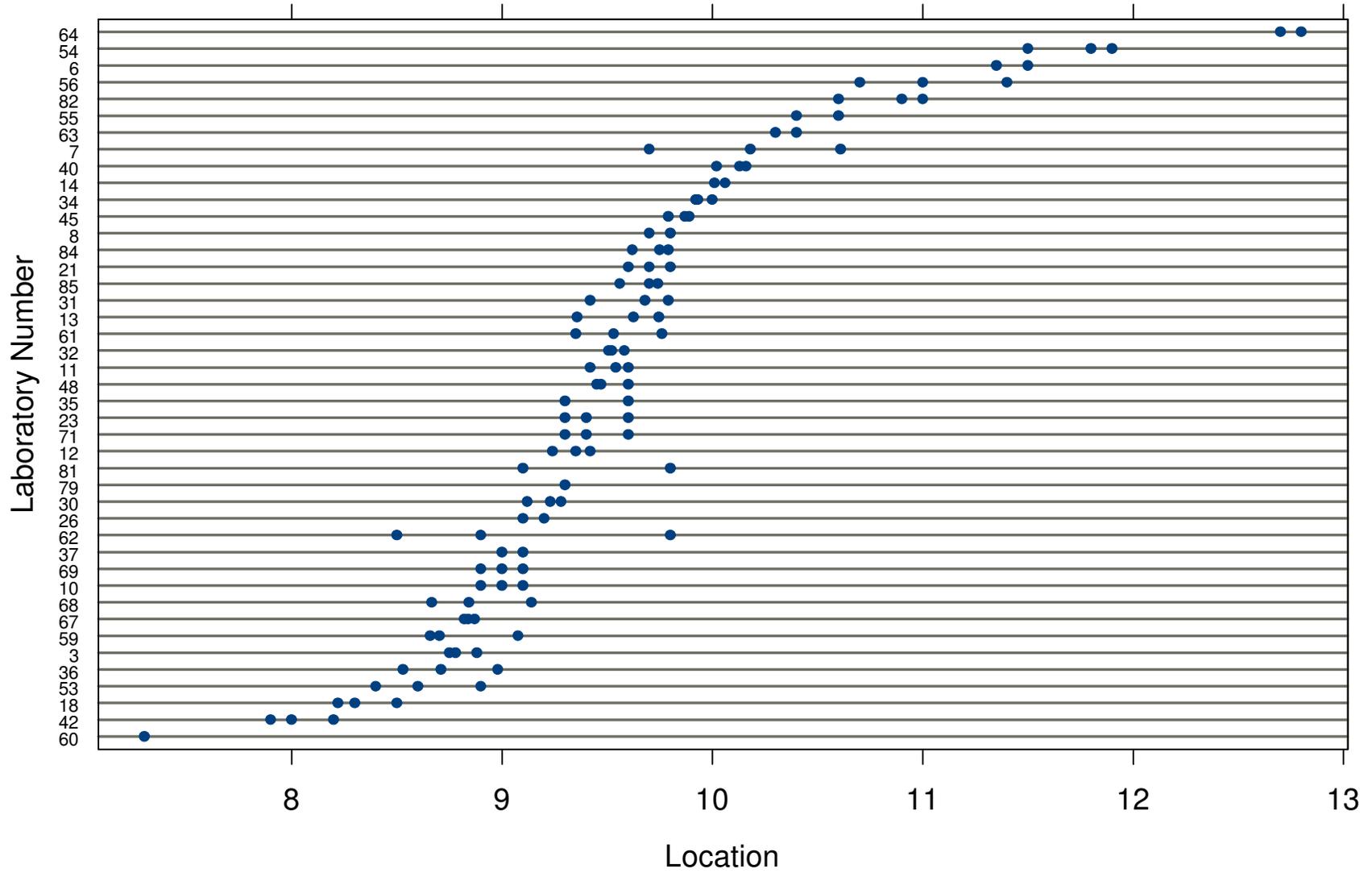
Dot plot sample D

5 - Total N - Sample D

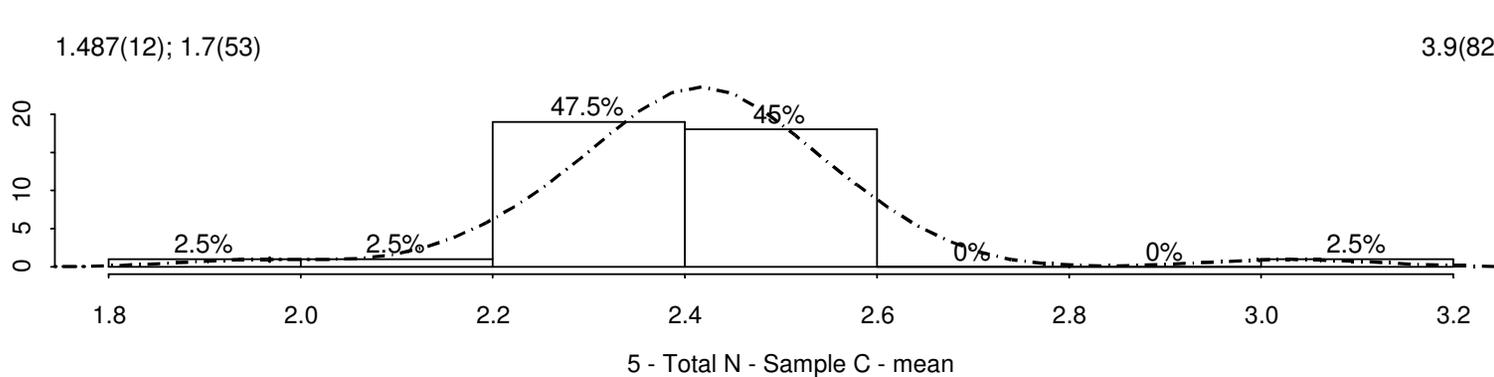
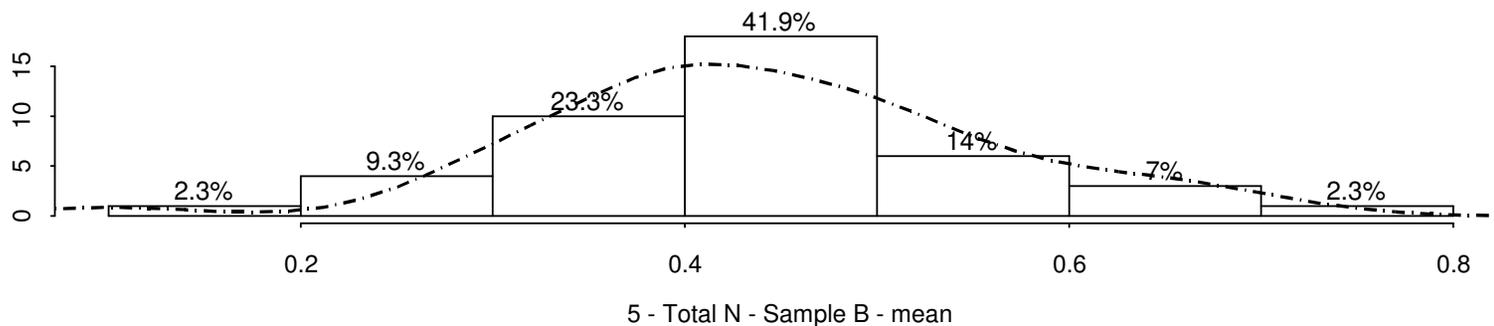
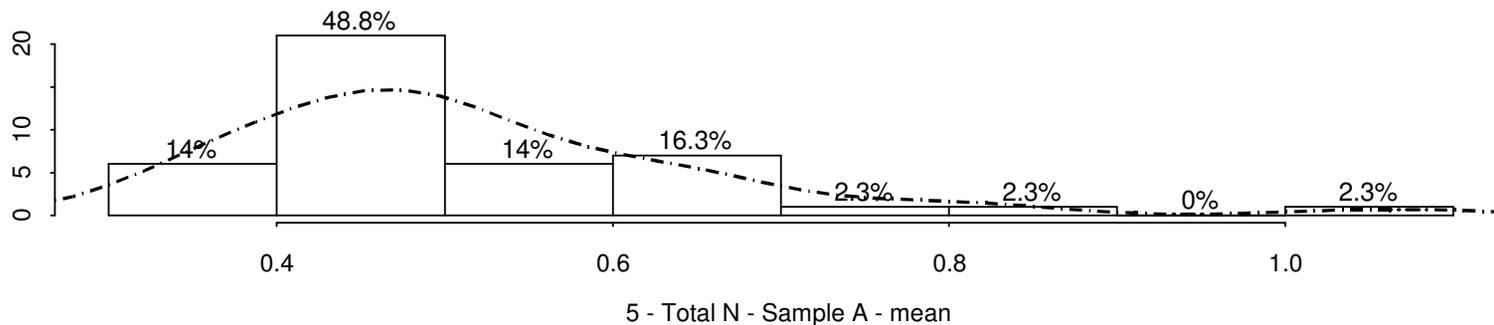


Dot plot sample E

5 - Total N - Sample E

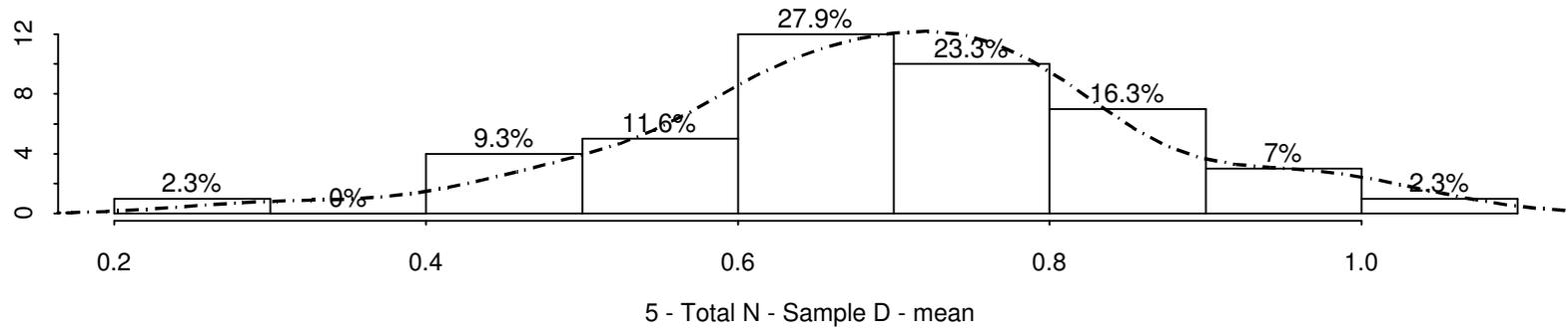


Histogram of the means of samples A, B and C

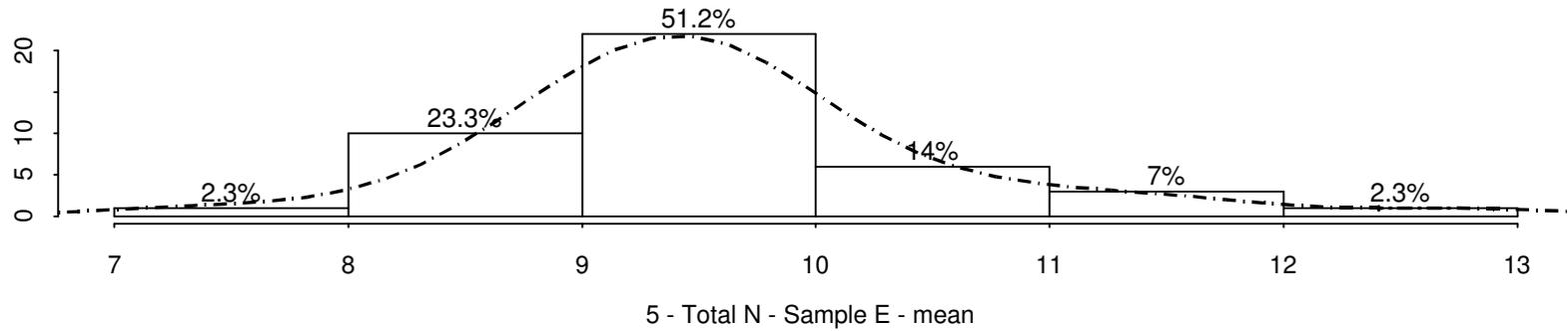


N: 43 NA: 0 Z: 0 E: 0 U: 43 N: 43 NA: 0 Z: 0 E: 0 U: 43 N: 43 NA: 0 Z: 2,1 U: 40
 a: 0.5154 m: 0.4933 s: 0.1429 a: 0.4424 m: 0.4333 s: 0.1161 a: 2.415 m: 2.4 s: 0.3287

Histogram of the means of samples D and E

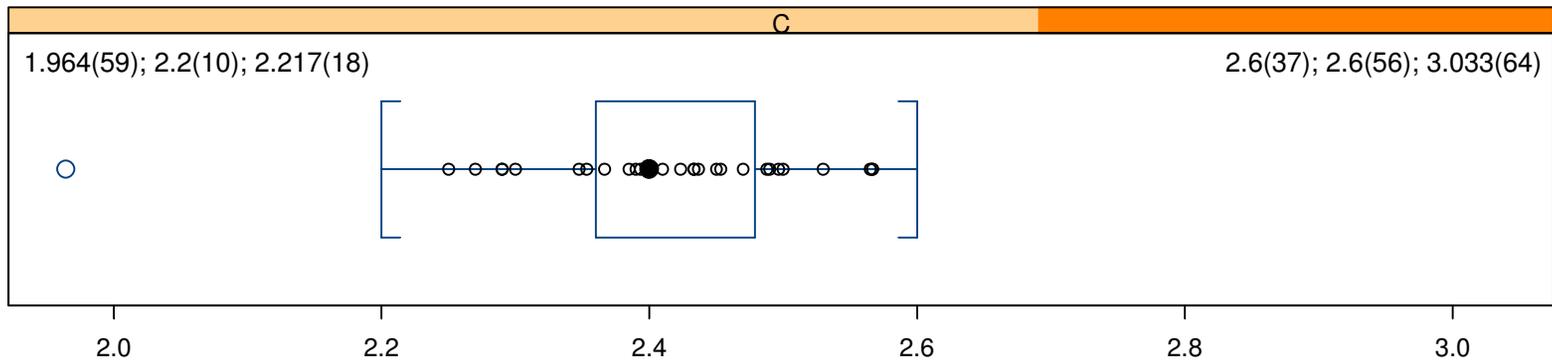
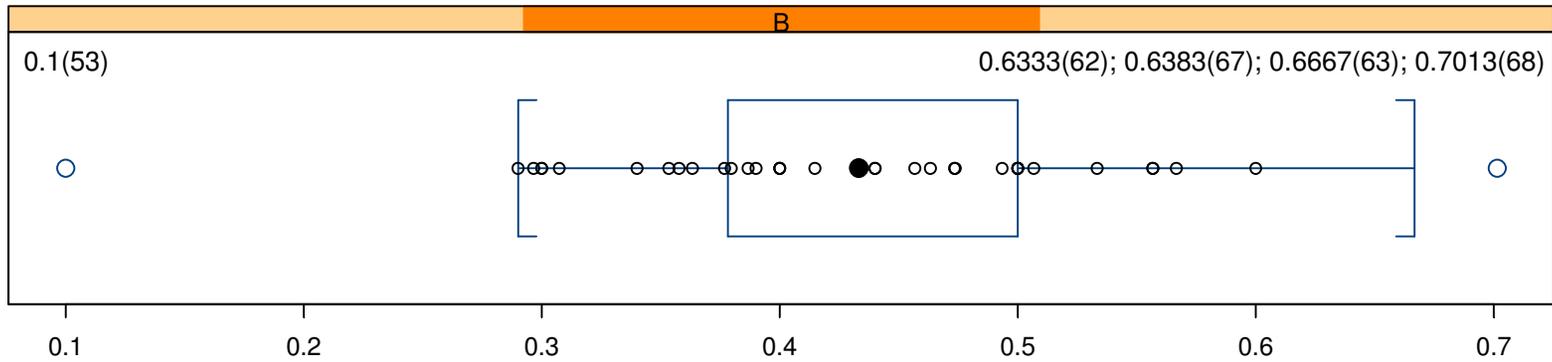
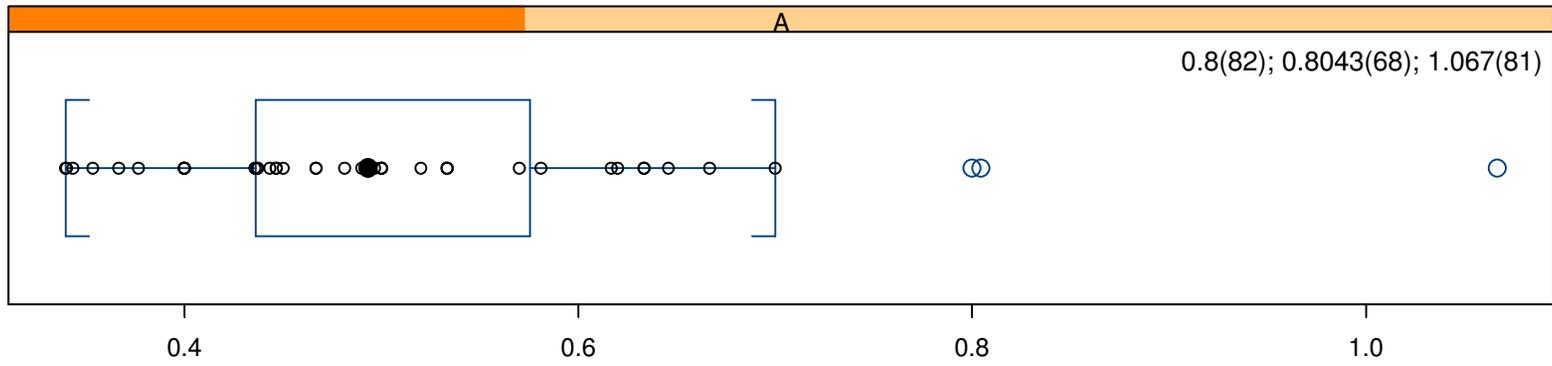


N: 43 NA: 0 Z: 0 E: 0 U: 43
a: 0.7032 m: 0.7 s: 0.1497



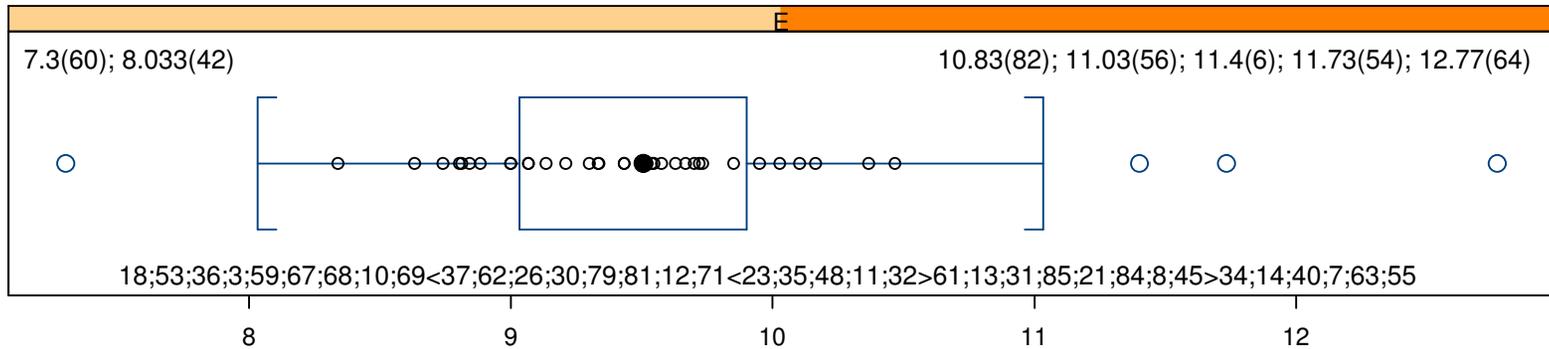
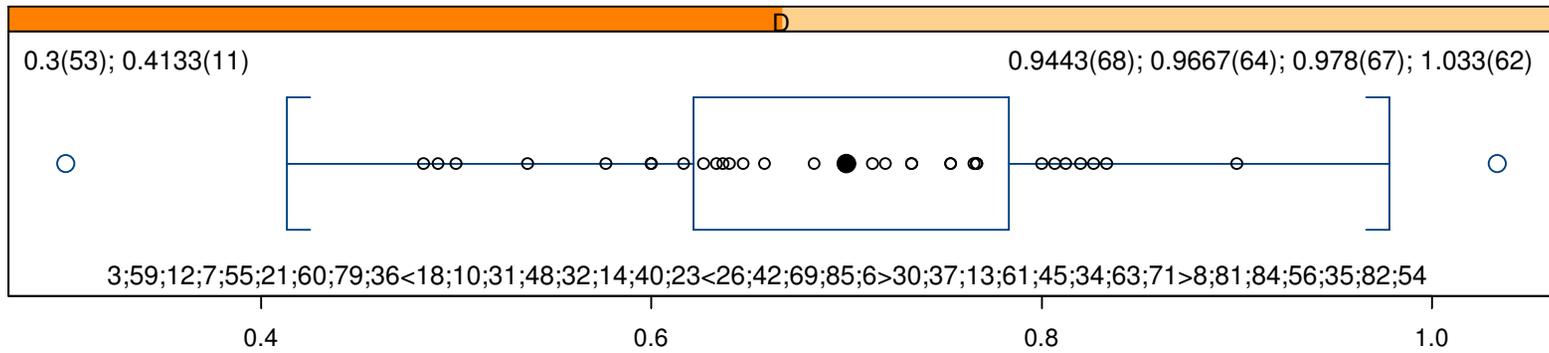
N: 43 NA: 0 Z: 0 E: 0 U: 43
a: 9.582 m: 9.507 s: 0.964

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



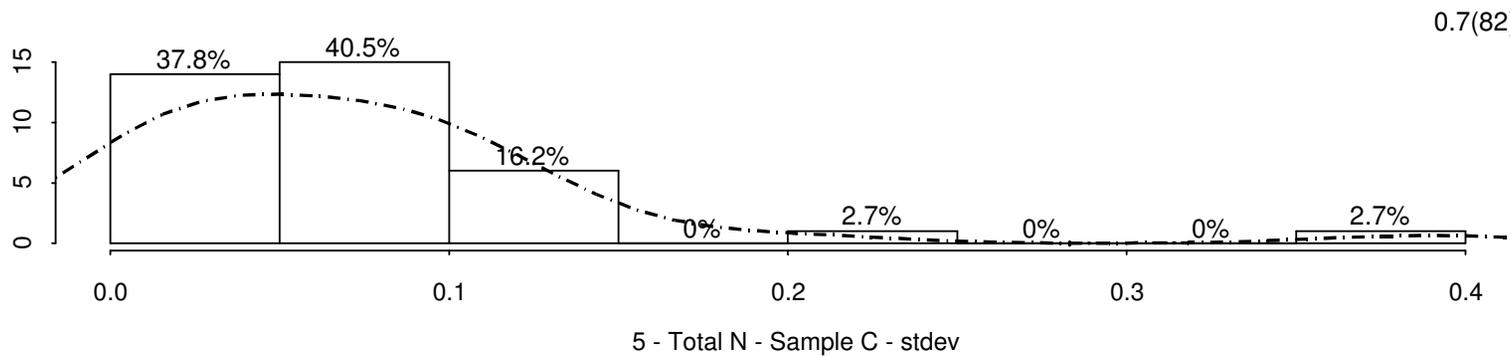
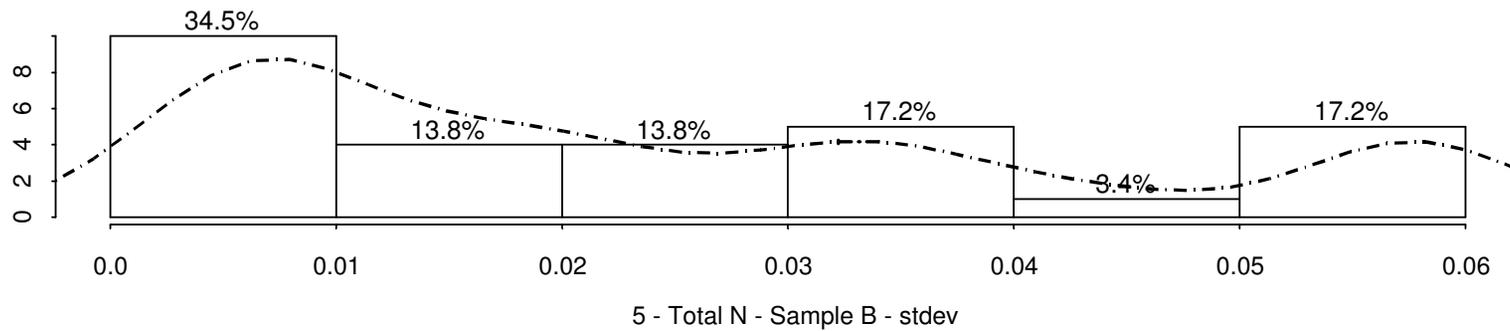
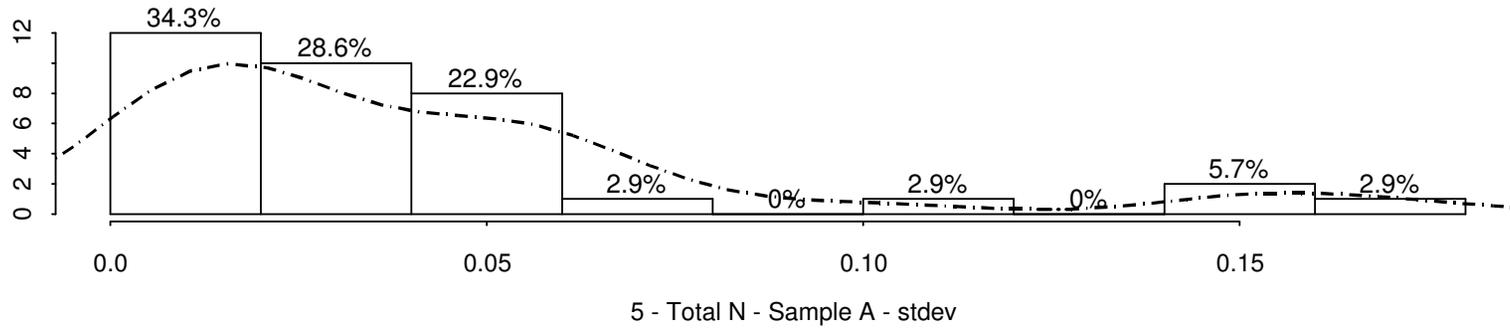
5 - Total N - mean

Box plot of the means of samples D and E



5 - Total N - mean

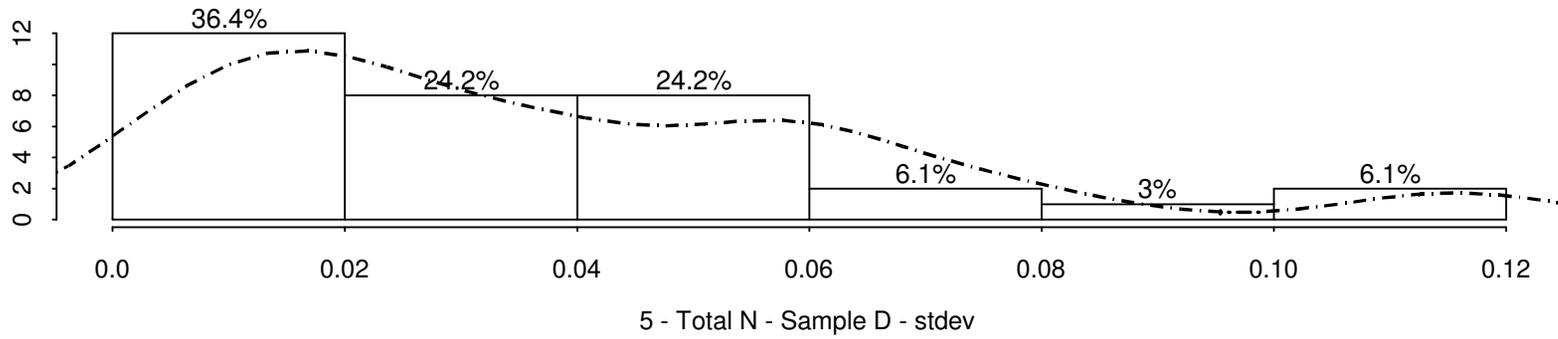
Histogram of the standard deviations of samples A, B and C



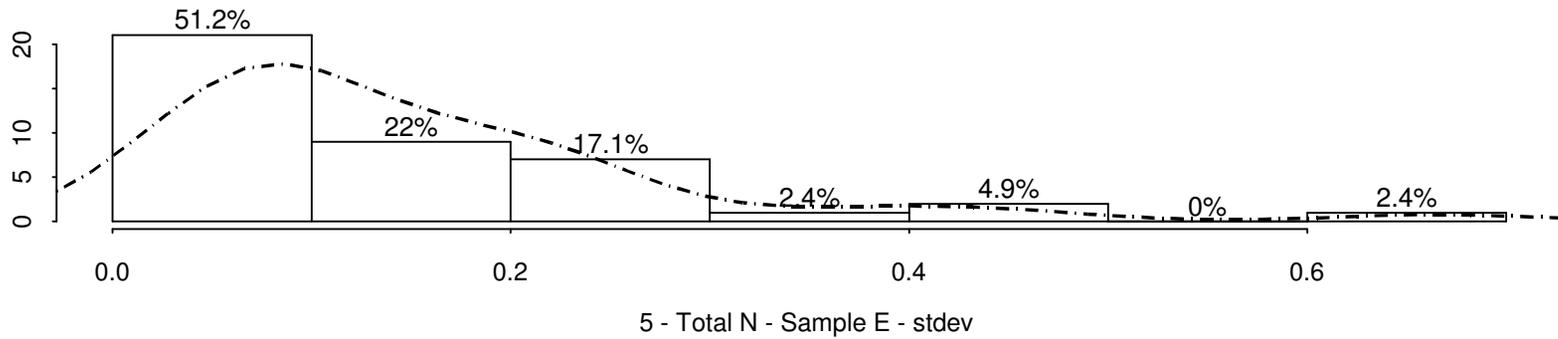
N: 35 NA: 0 Z: 0 E: 0 U: 35
 N: 29 NA: 0 Z: 0 E: 0 U: 29
 N: 38 NA: 0 Z: 0 E: 0.1 U: 37
 a: 0.08841 m: 0.05774 s: 0.1233a: 0.02483 m: 0.02082 s: 0.01927a: 0.0433 m: 0.02646 s: 0.04317

0.7(82)

Histogram of the standard deviations of samples D and E

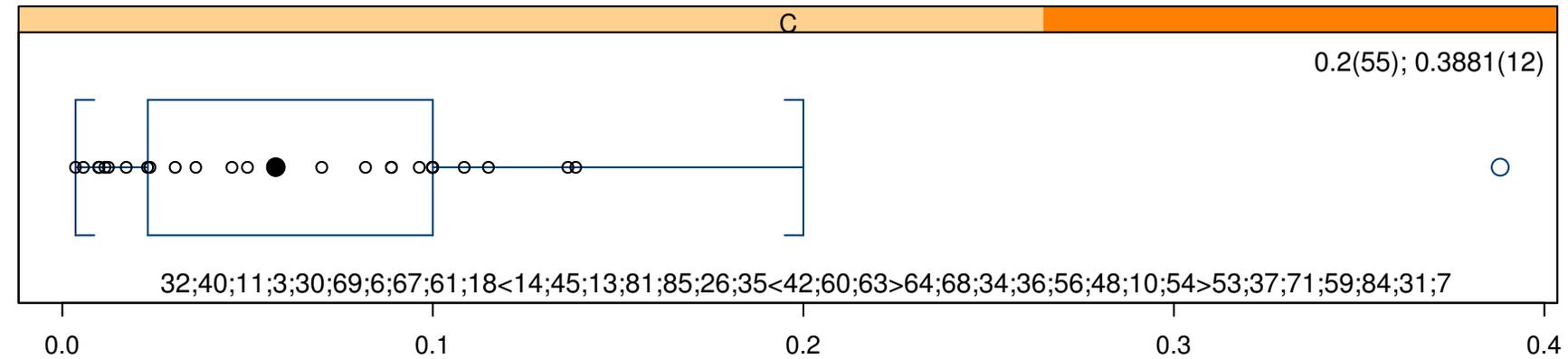
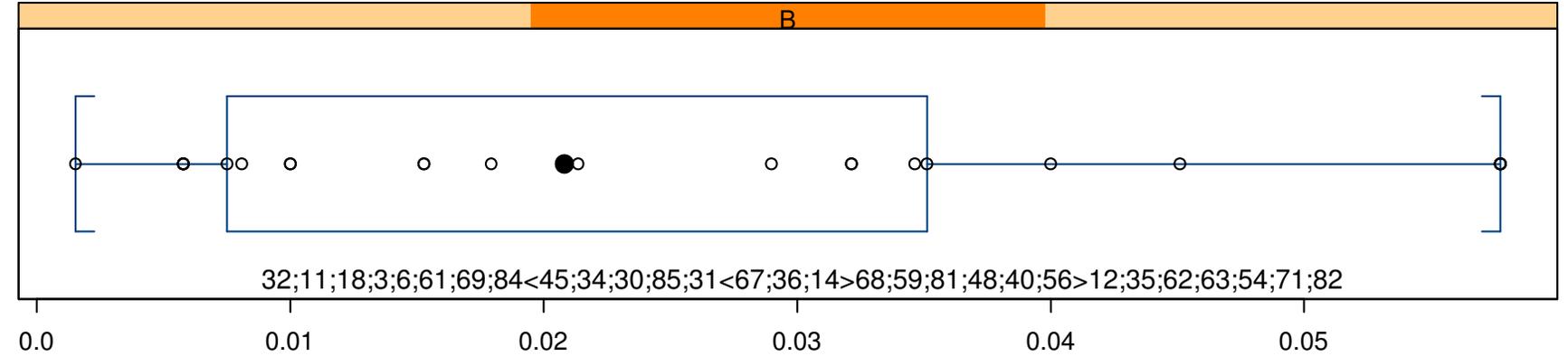
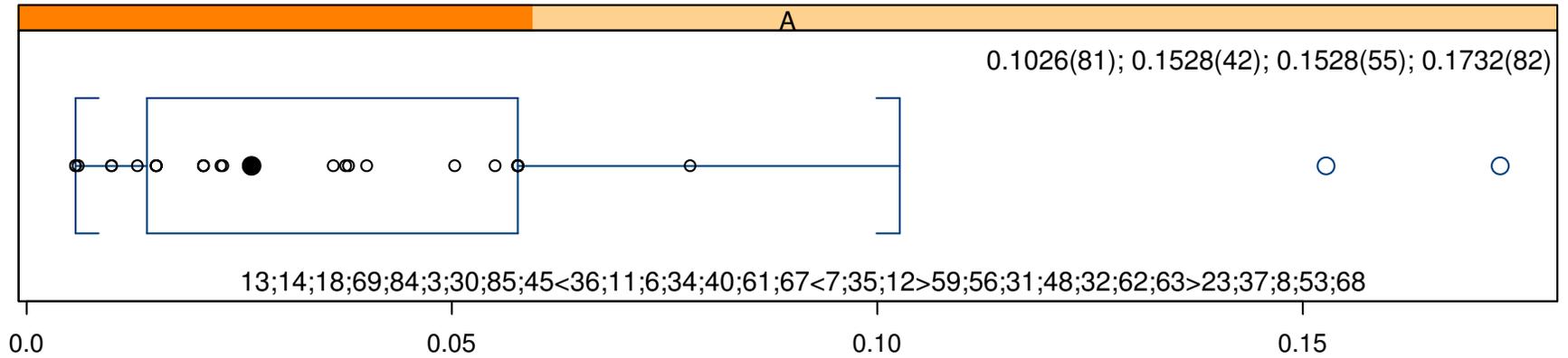


N: 33 NA: 0 Z: 0 E: 0 U: 33
a: 0.03813 m: 0.03215 s: 0.02969



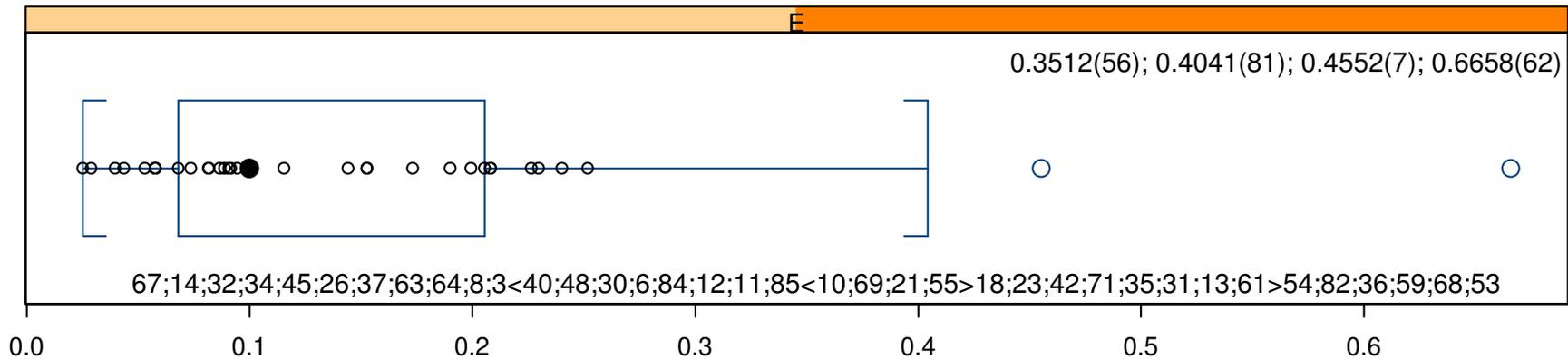
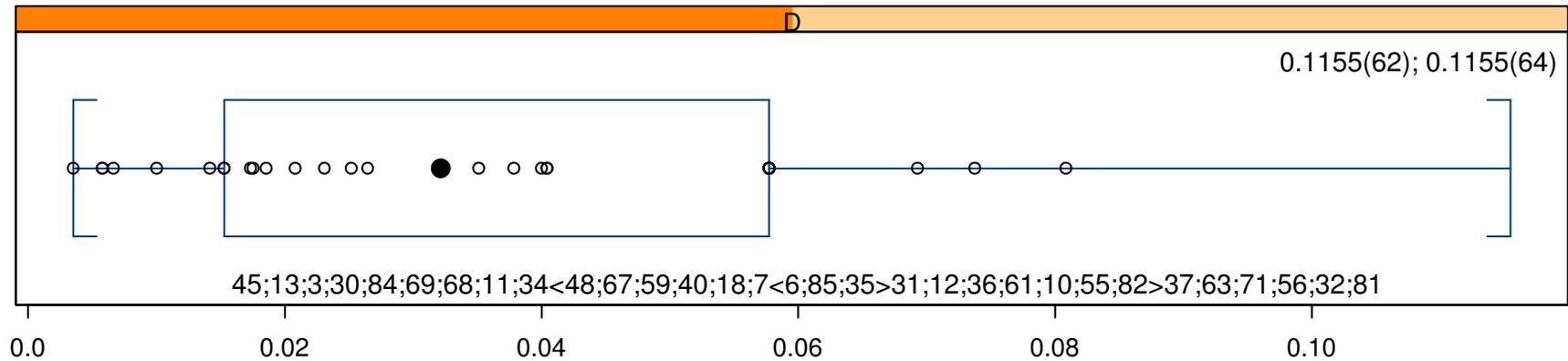
N: 41 NA: 0 Z: 0 E: 0 U: 41
a: 0.1528 m: 0.1 s: 0.1288

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



5 - Total N - stdev

Box plot of the standard deviations of samples D and E

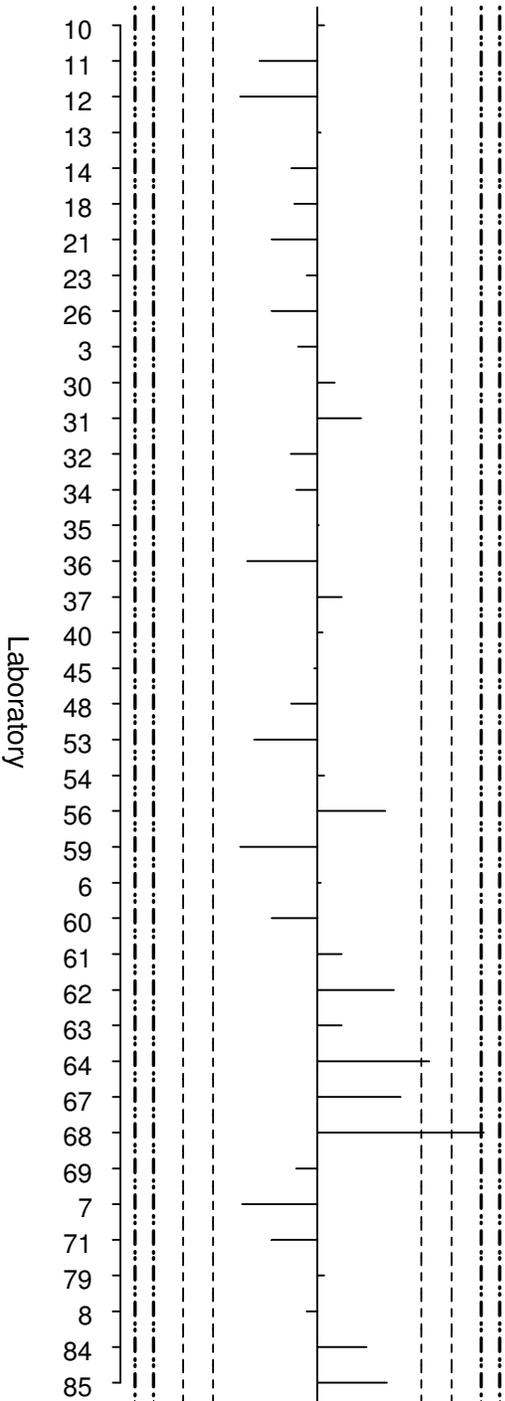


Mandel's h and k plots of sample A

5 - Total N - sample A

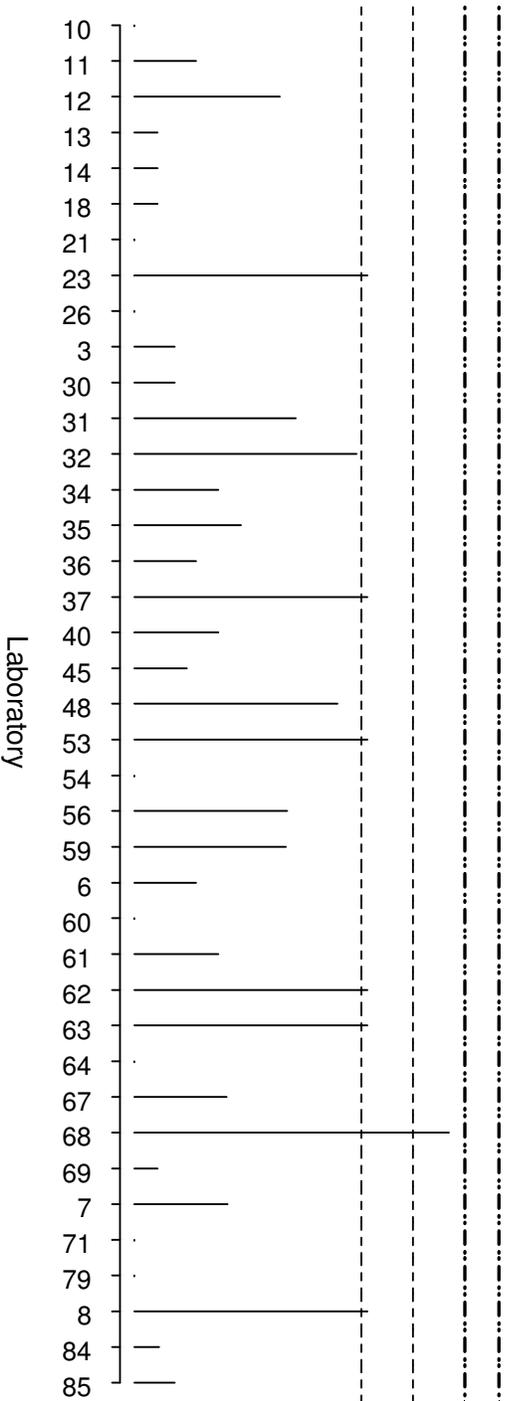
Step:2; Nlab:39; Mgen:0.4871; Fval:29.83; Pval:0; sRep:0.03274; sLab:0.1015; sRpr:0.1066; CV:21.89

Mandel's h



S: 68

Mandel's k

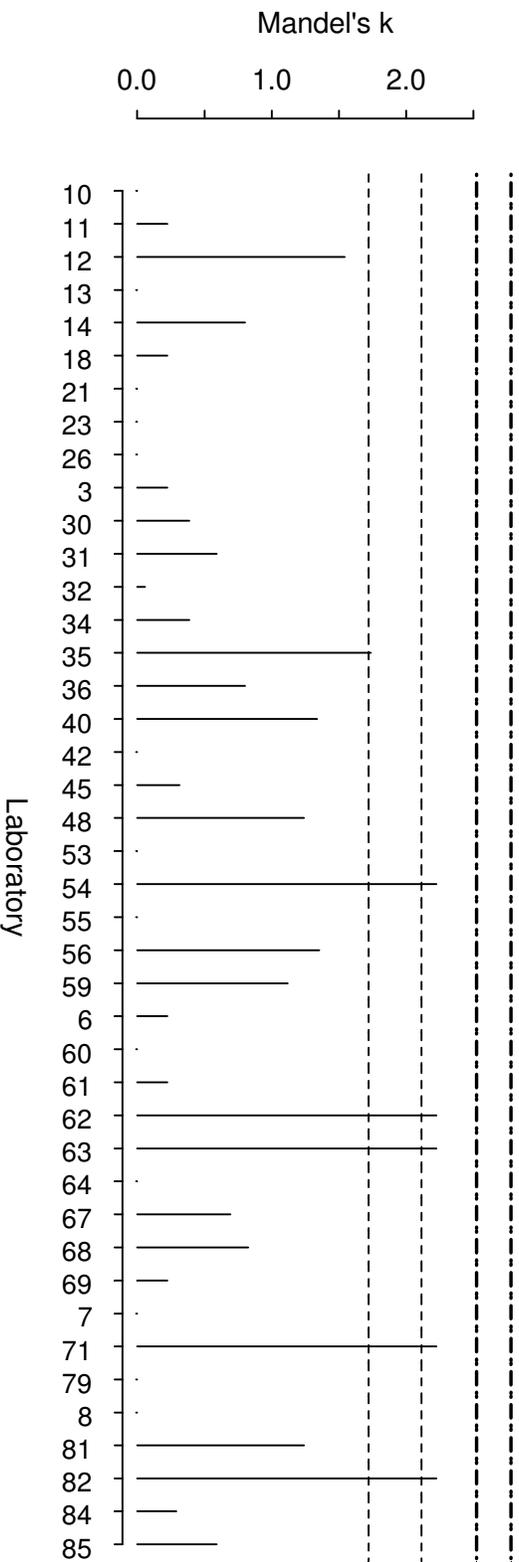
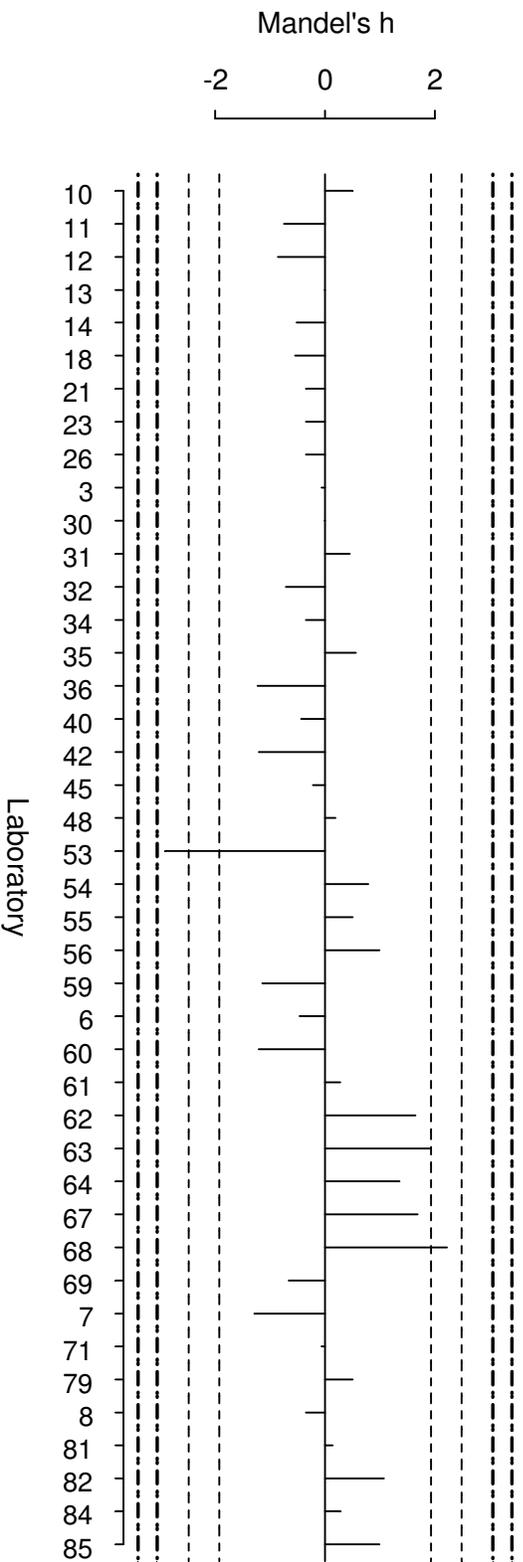


E: k42;k55;hk81;k82

Mandel's h and k plots of sample B

5 - Total N - sample B

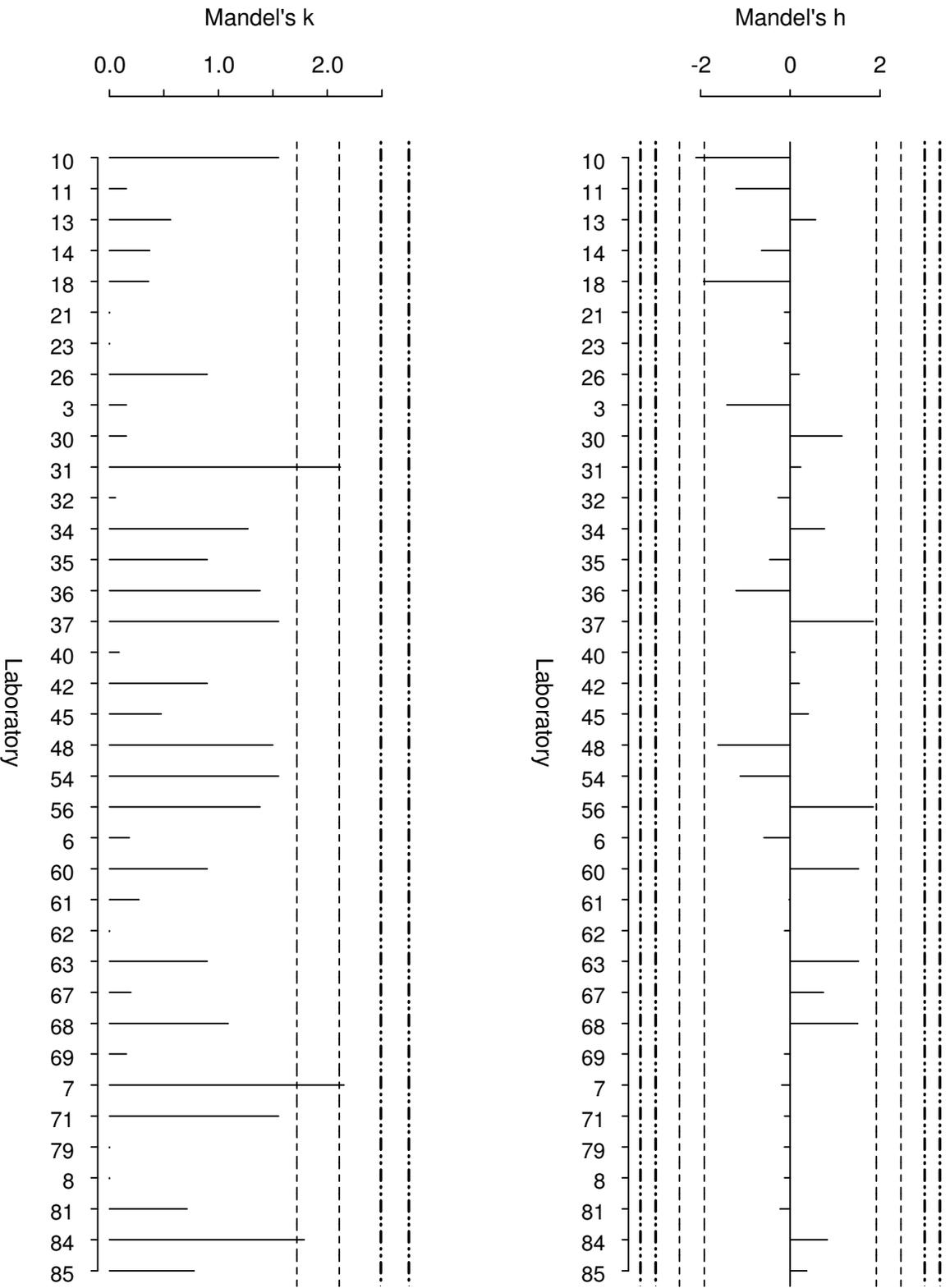
Step:1; Nlab:42; Mgen:0.441; Eval:61.13; Pval:0; sRep:0.02595; sLab:0.1162; sRpr:0.119; CV:26.99



Mandel's h and k plots of sample C

5 - Total N - sample C

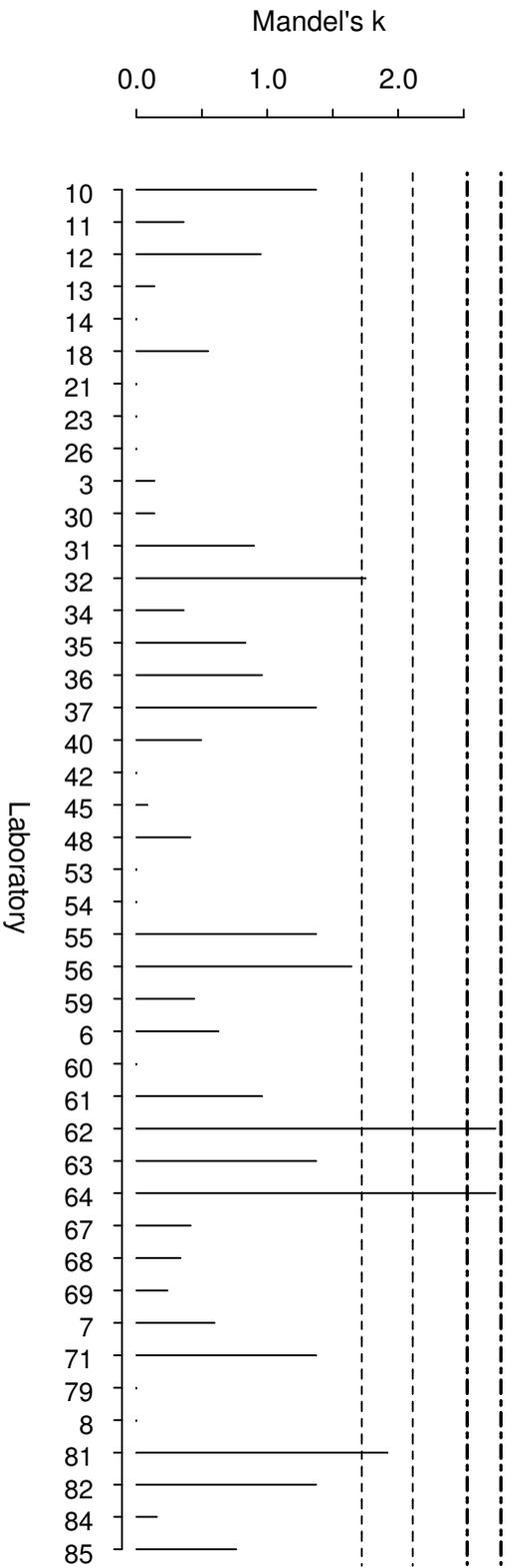
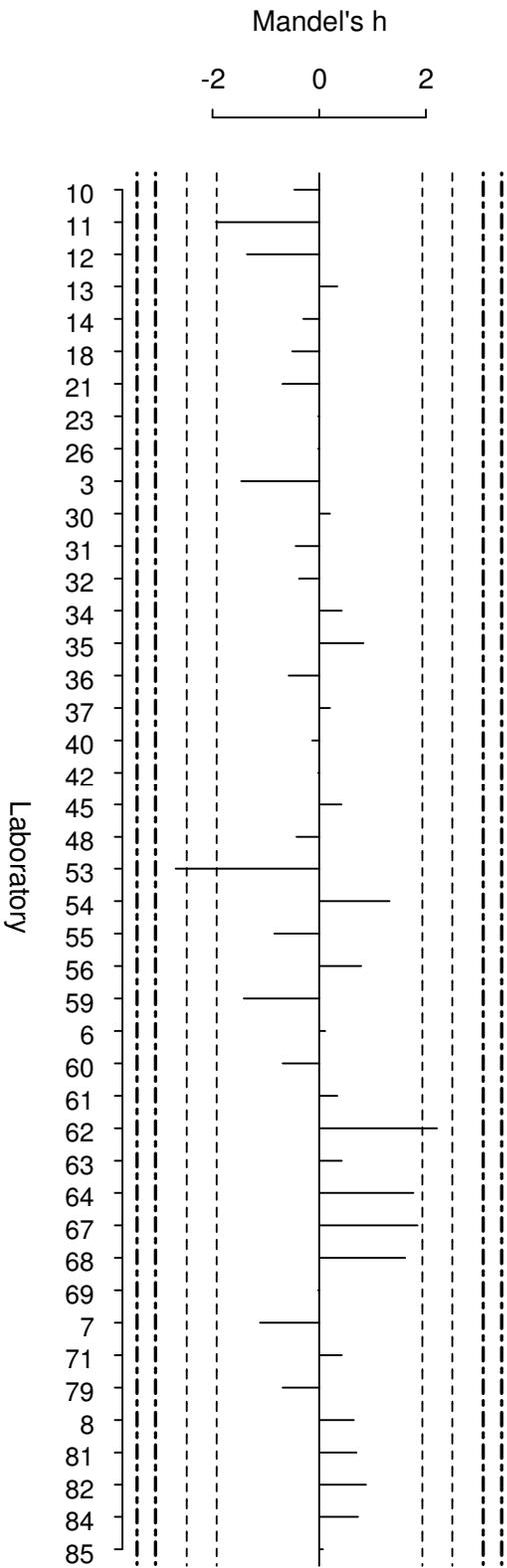
Step:6; Nlab:37; Mgen:2.413; Fval:7.375; Pval:2.731e-011; sRep:0.0644; sLab:0.09388; sRpr:0.1138; CV:4.719



Mandel's h and k plots of sample D

5 - Total N - sample D

Step: 1; Nlab:43; Mgen:0.7032; Fval:37.94; Pval:0; sRep:0.04209; sLab:0.1477; sRpr:0.1536; CV:21.84



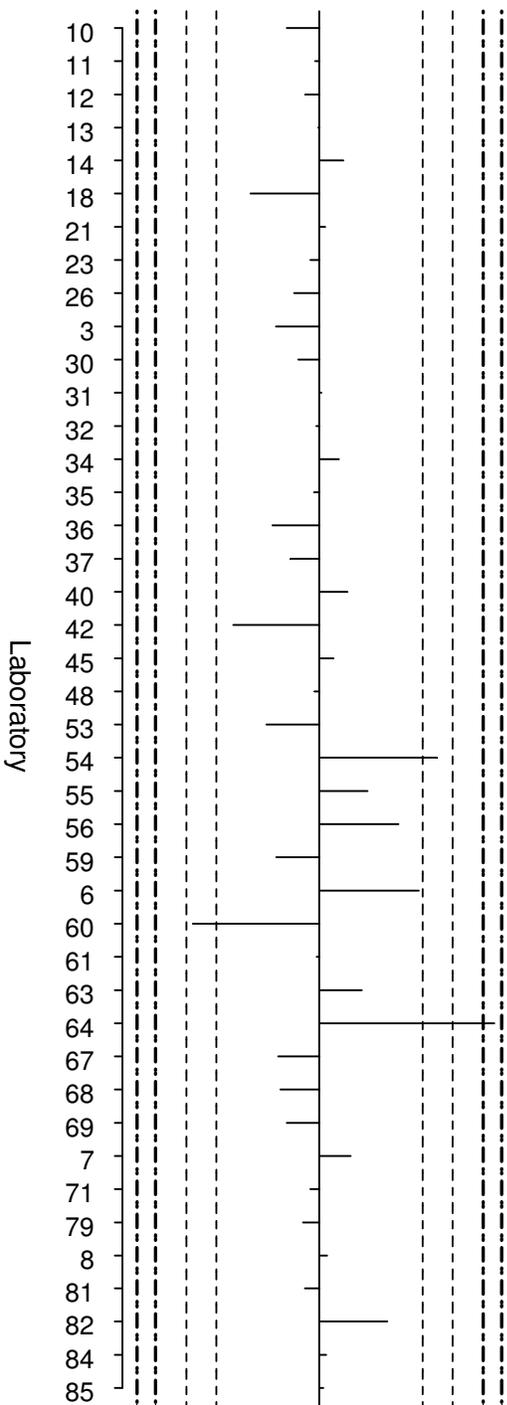
S: 62,64

Mandel's h and k plots of sample E

5 - Total N - sample E

Step:2; Nlab:42; Mgen:9.594; Fval:101.2; Pval:0; sRep:0.1674; sLab:0.9675; sRpr:0.9818; CV:10.23

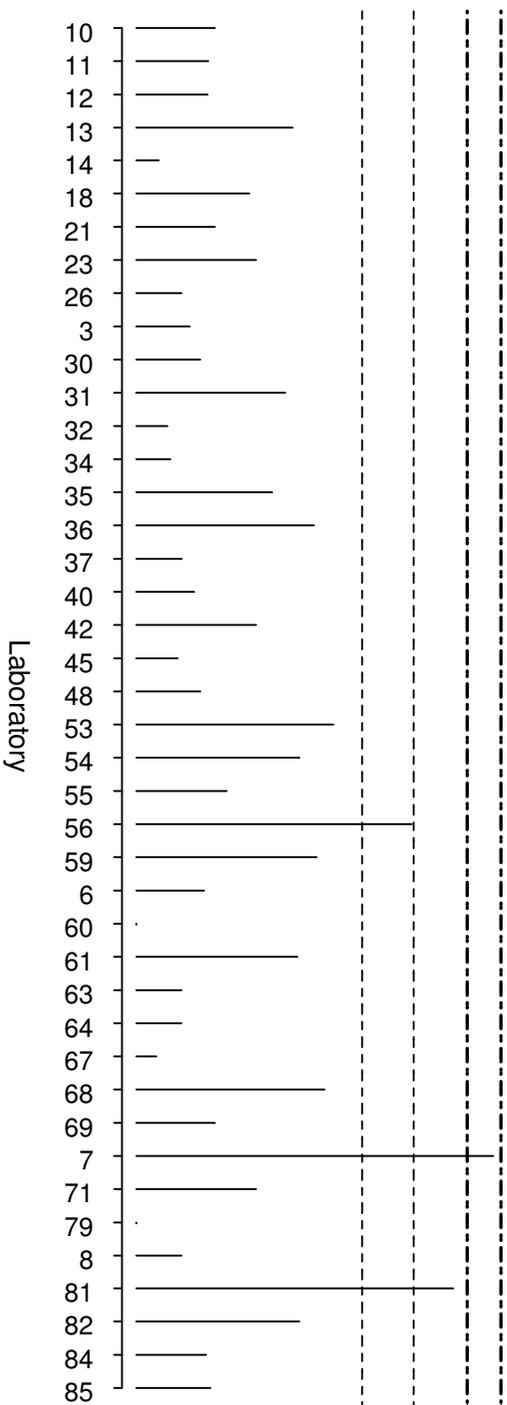
Mandel's h



S: 64

E: k62

Mandel's k



S: 7