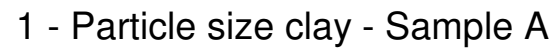


Annex 5: Statistical data analysis

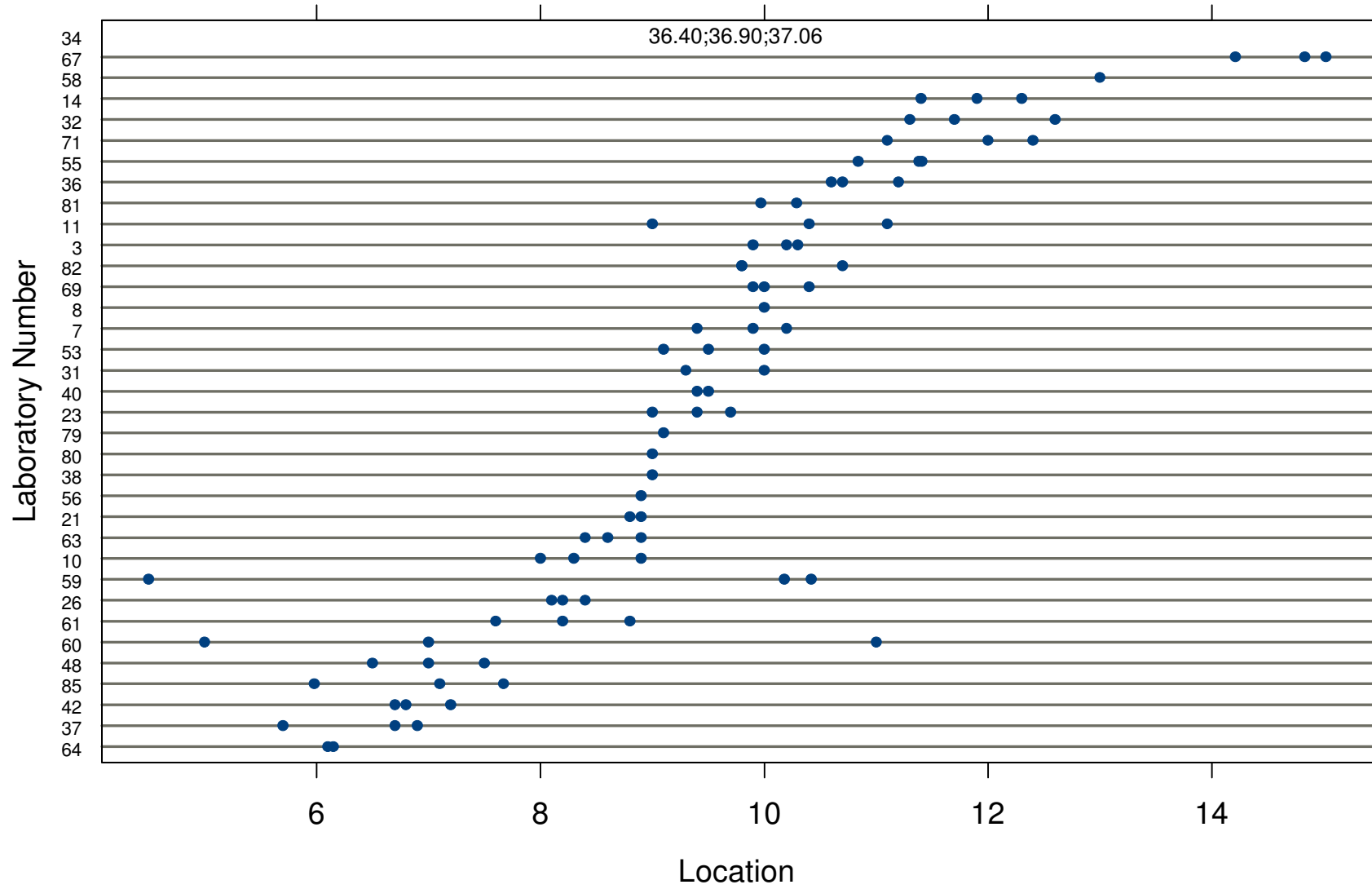
Group 1: Particle size distribution

Particle size clay



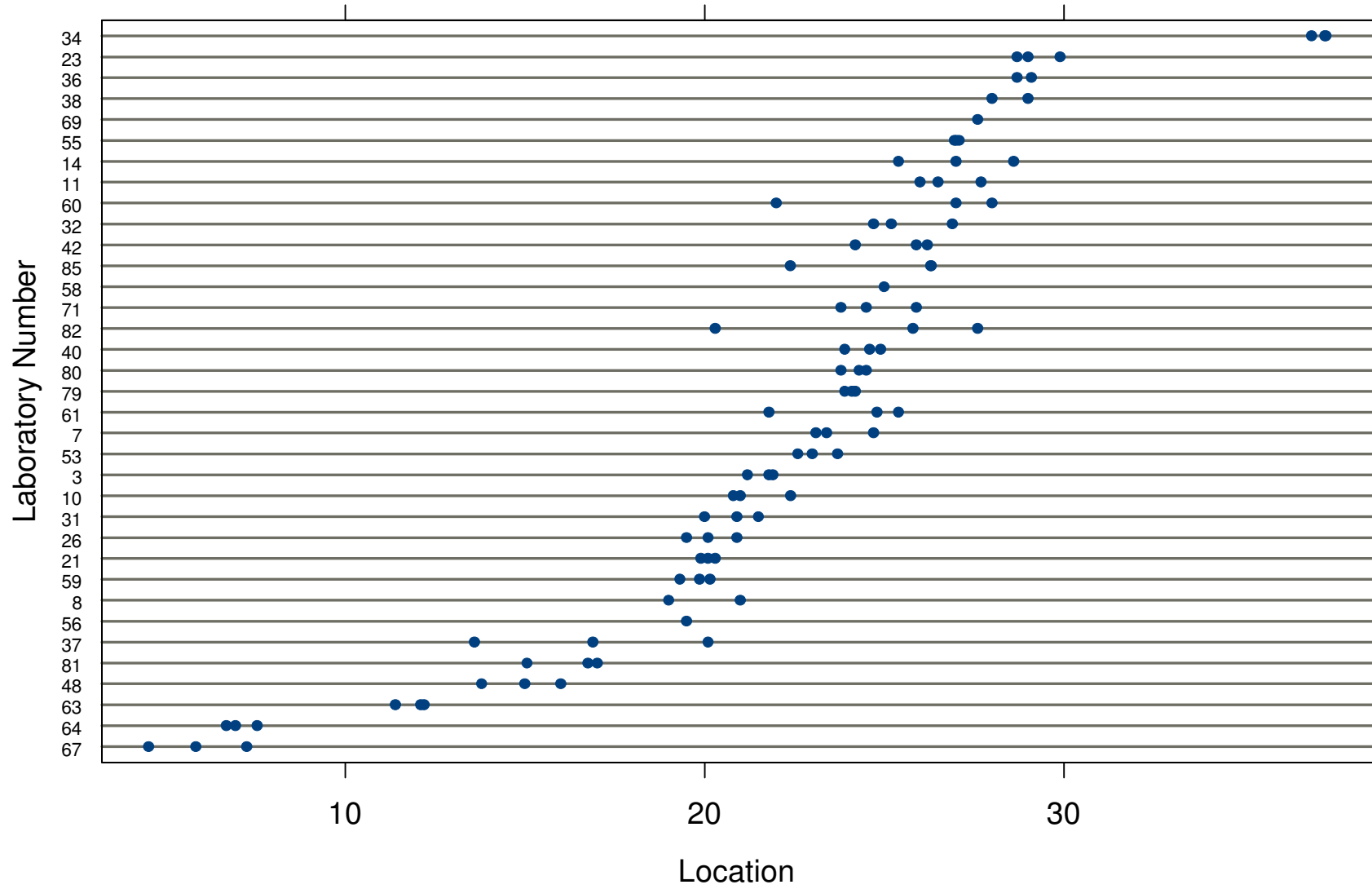
Dot plot of sample B

1 - Particle size clay - Sample B



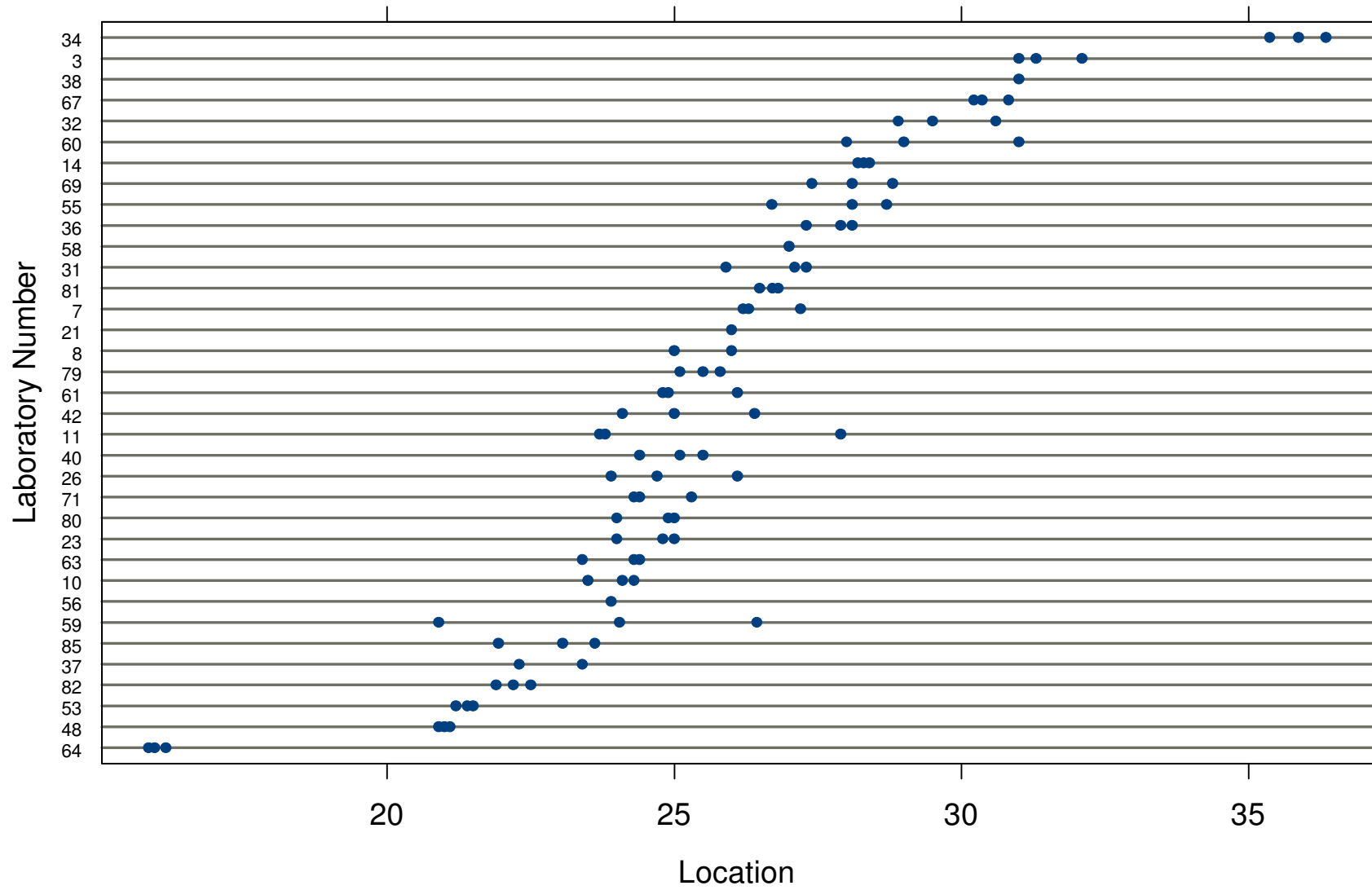
Dot plot of sample C

1 - Particle size clay - Sample C

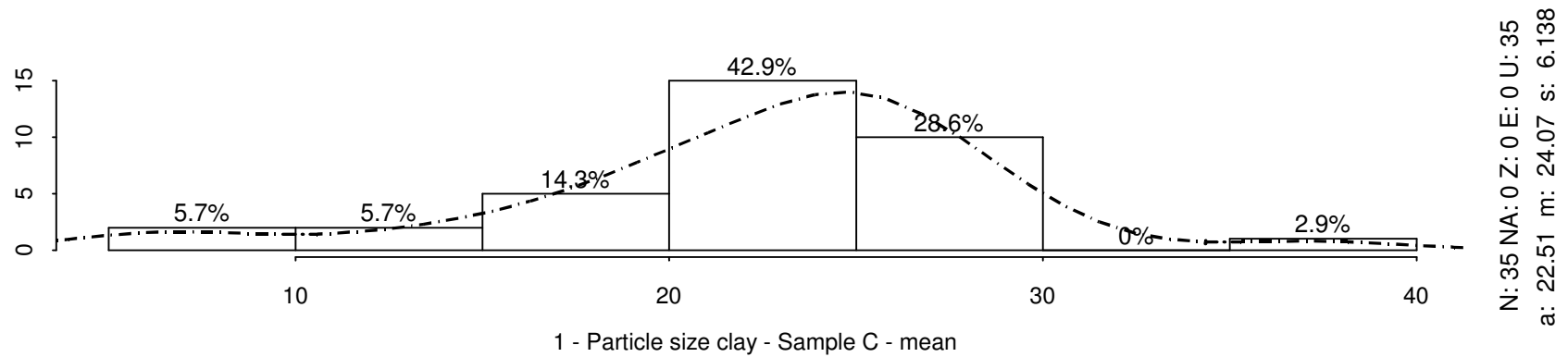
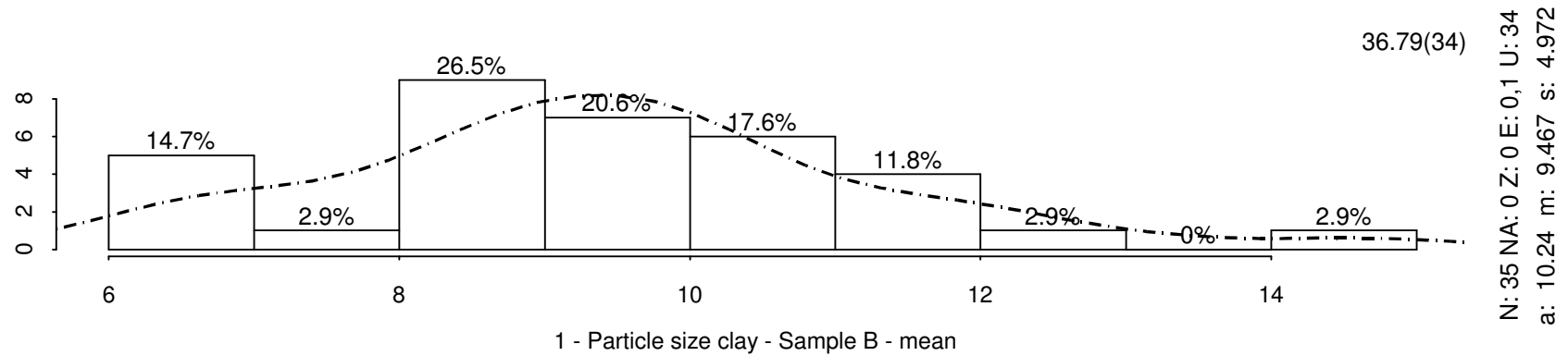
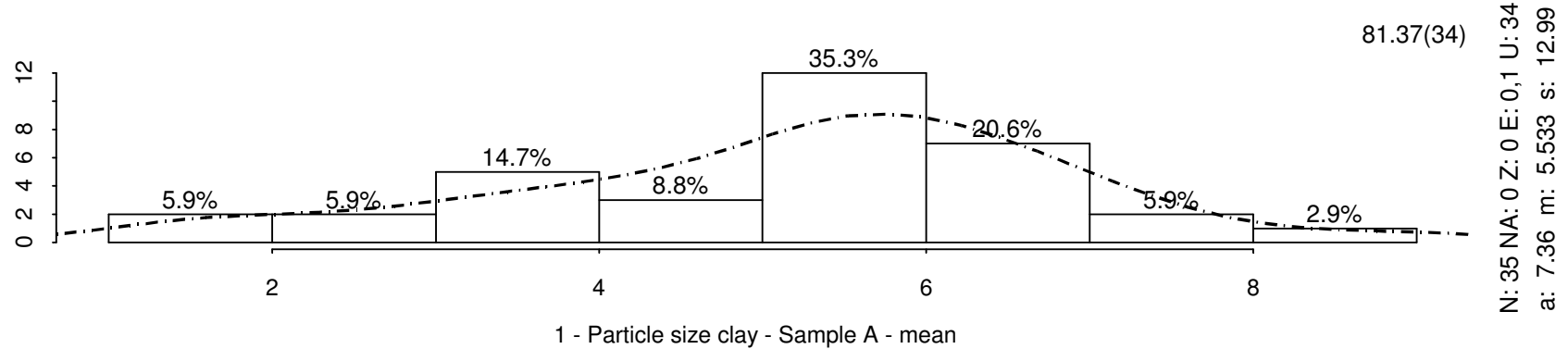


Dot plot of sample D

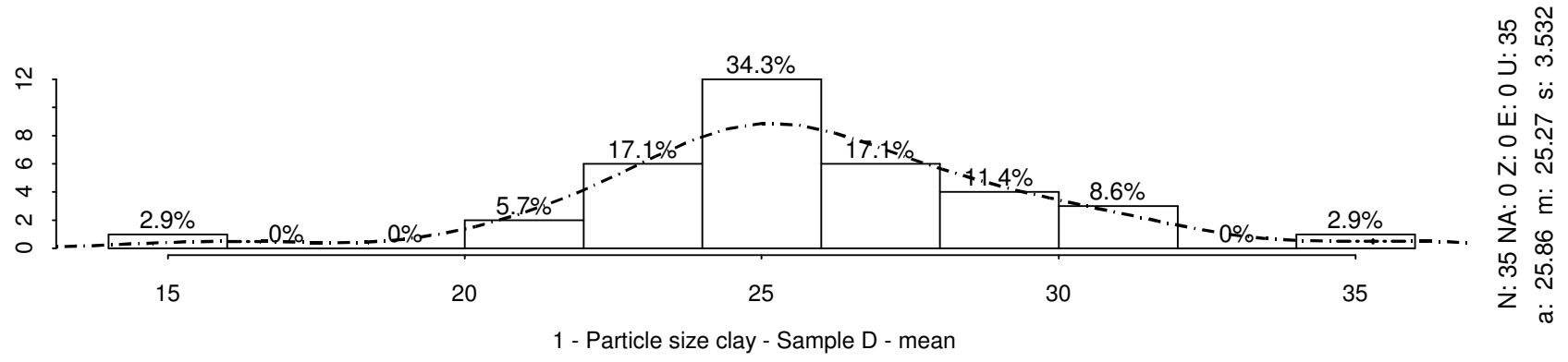
1 - Particle size clay - Sample D



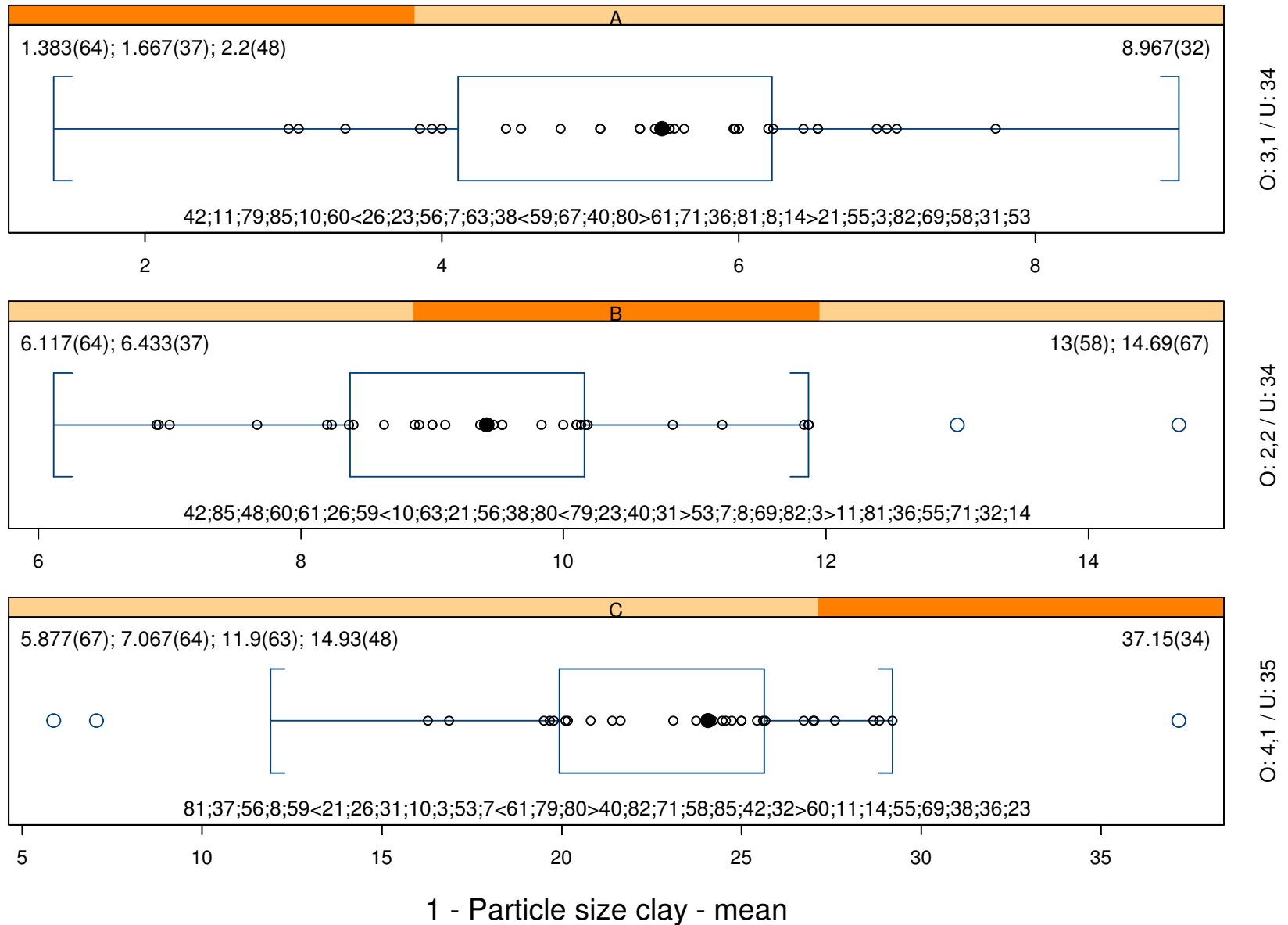
Histogram of the means of samples A, B and C



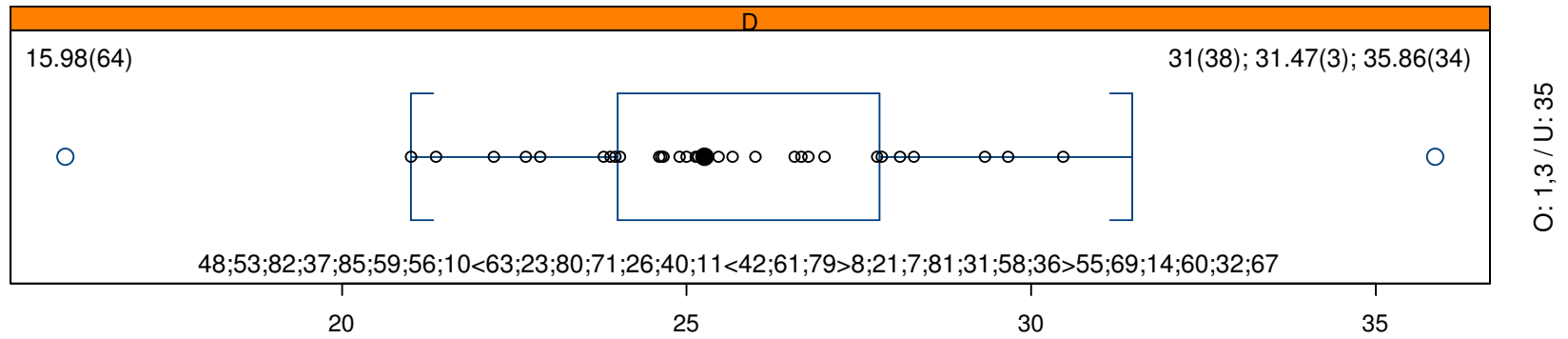
Histogram of the means of sample D



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

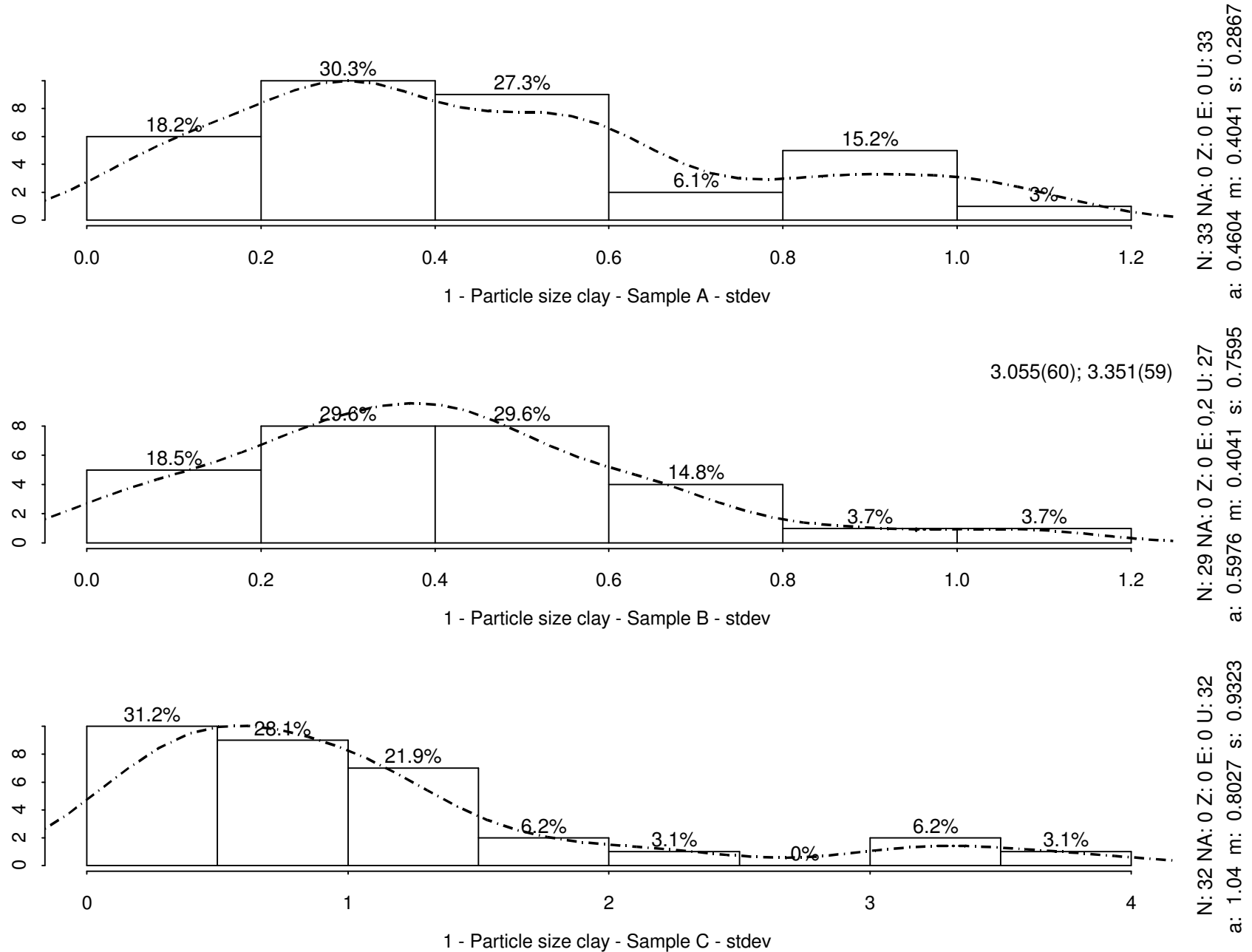


Box plot of the means of sample D

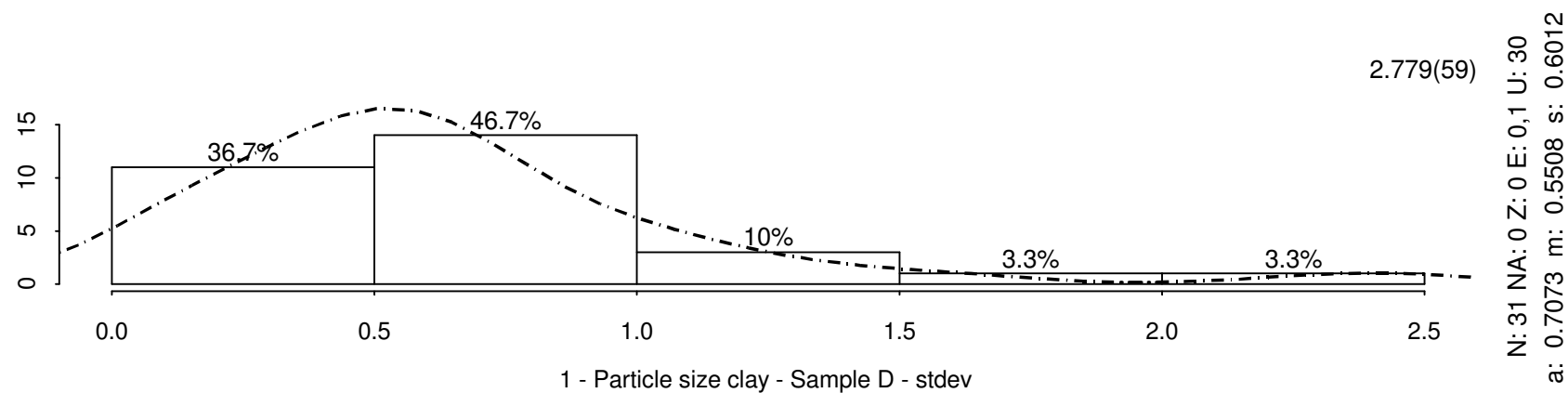


1 - Particle size clay - mean

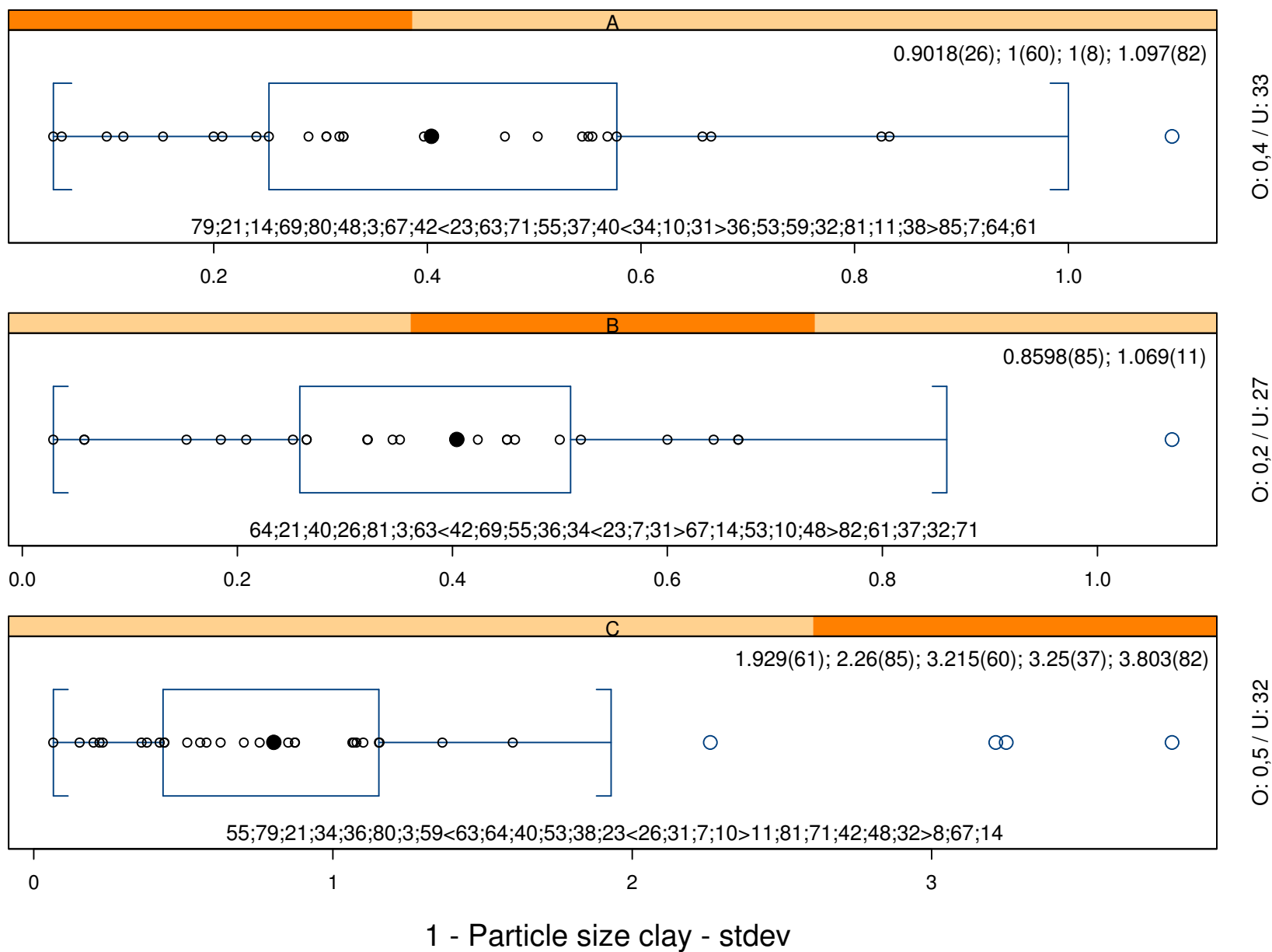
Histogram of the standard deviations of samples A, B and C



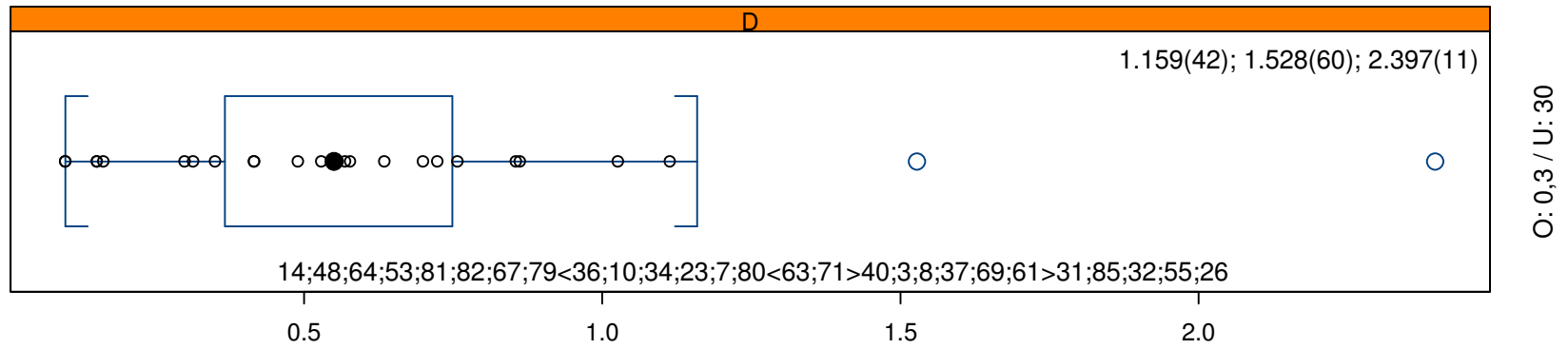
Histogram of the standard deviations of sample D



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



Box plot of the standard deviations of sample D

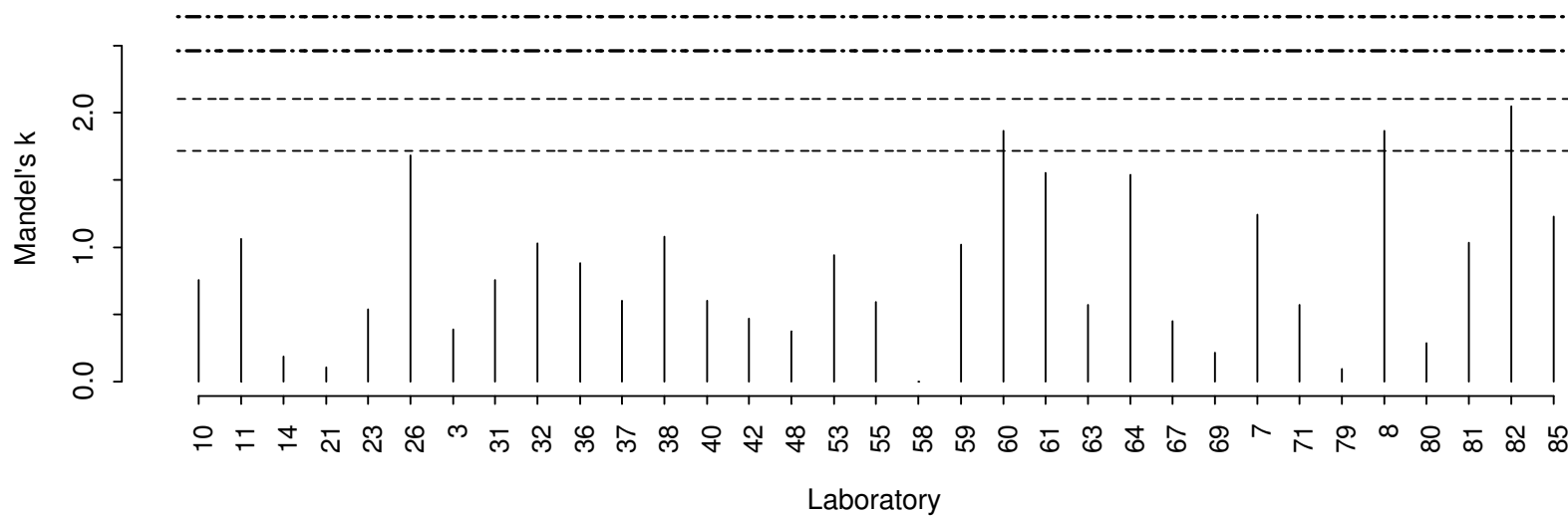
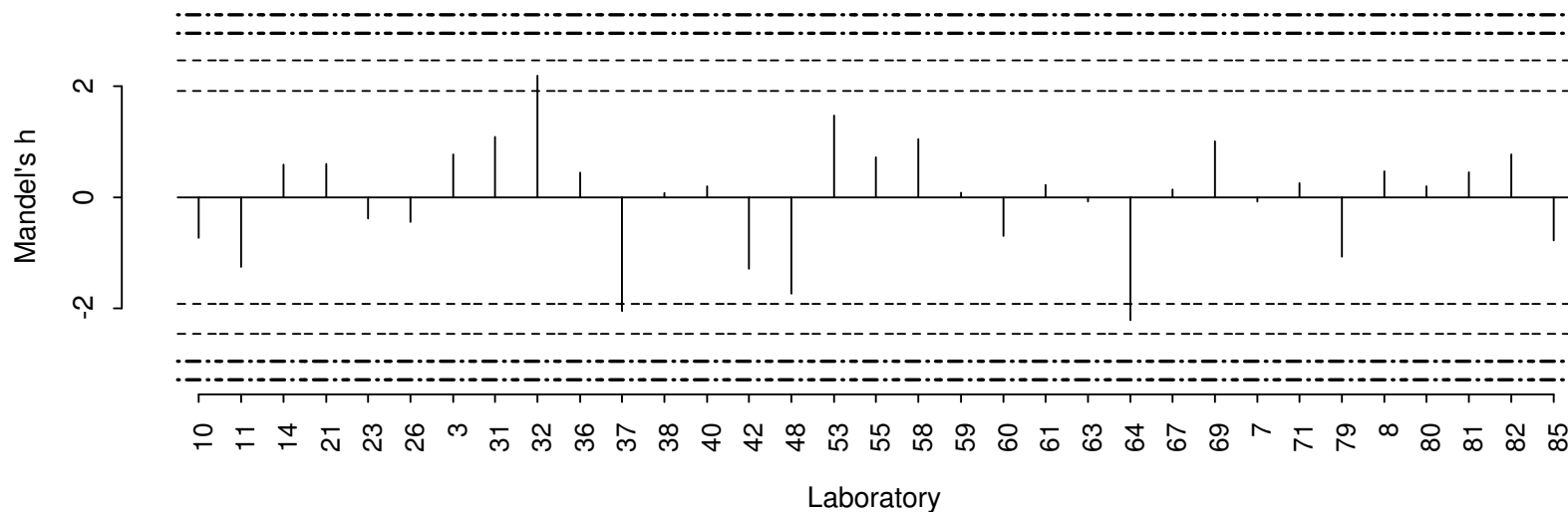


1 - Particle size clay - stdev

Mandel's h and k plot of sample A

1 - Particle size clay - sample A

Step:2; Nlab:33; Mgen:5.195; Fval:31.05; Pval:0; sRep:0.5357; sLab:1.695; sRpr:1.778; CV:34.22

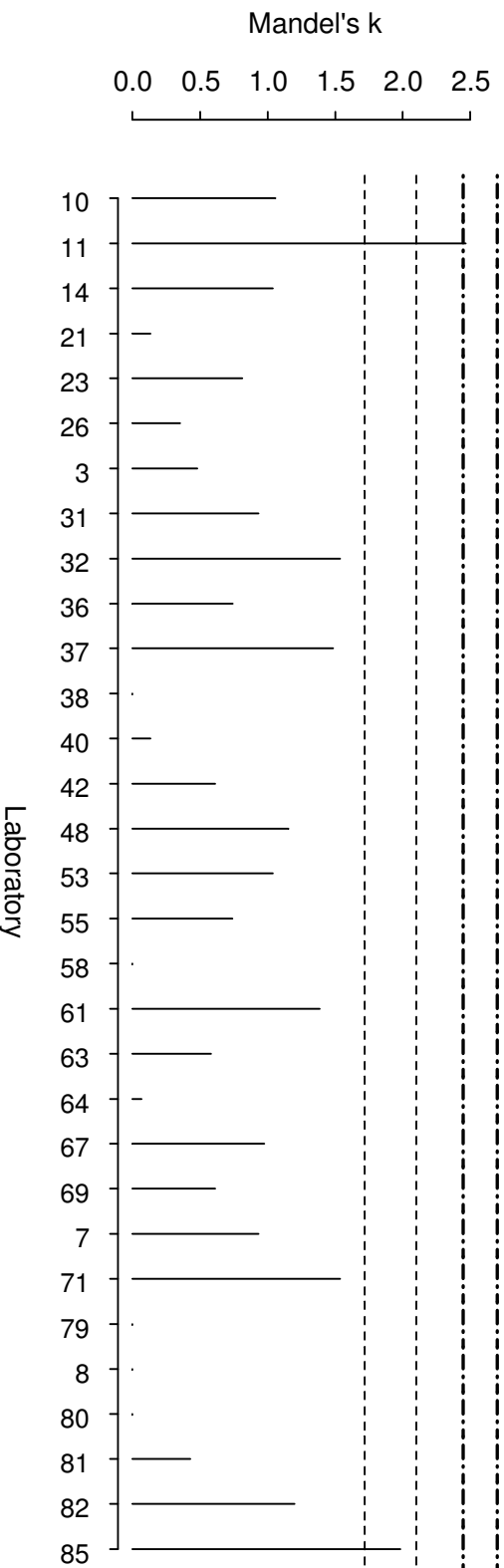
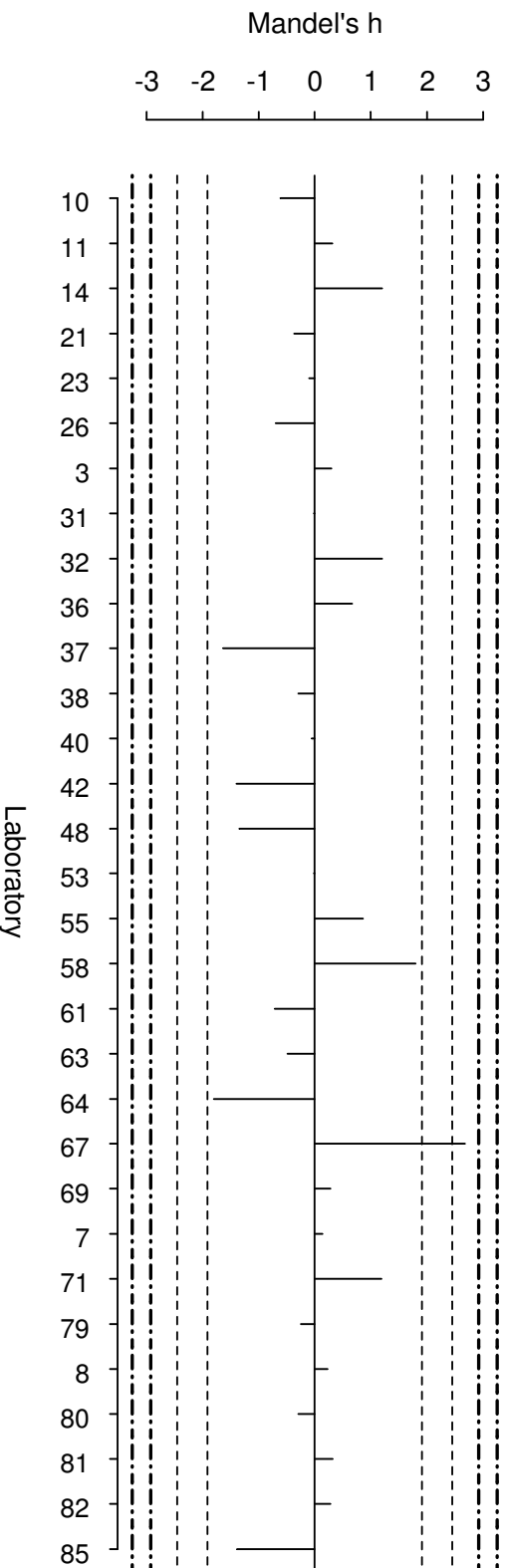


E: h34

Mandel's h and k plot of sample B

1 - Particle size clay - sample B

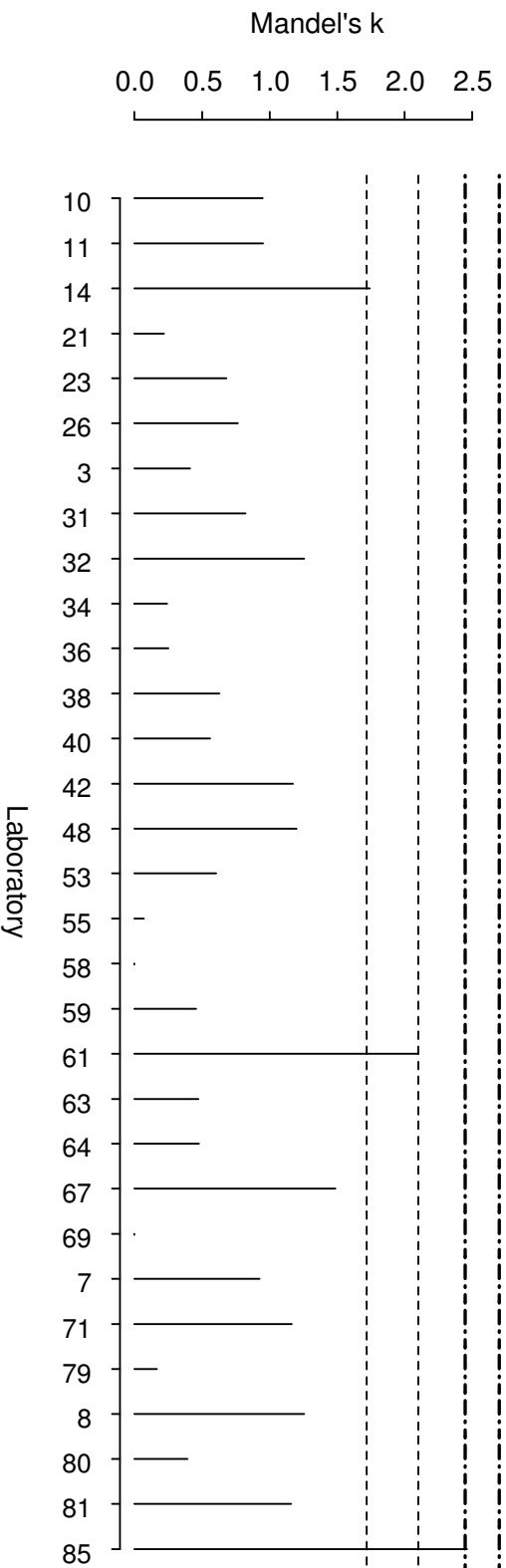
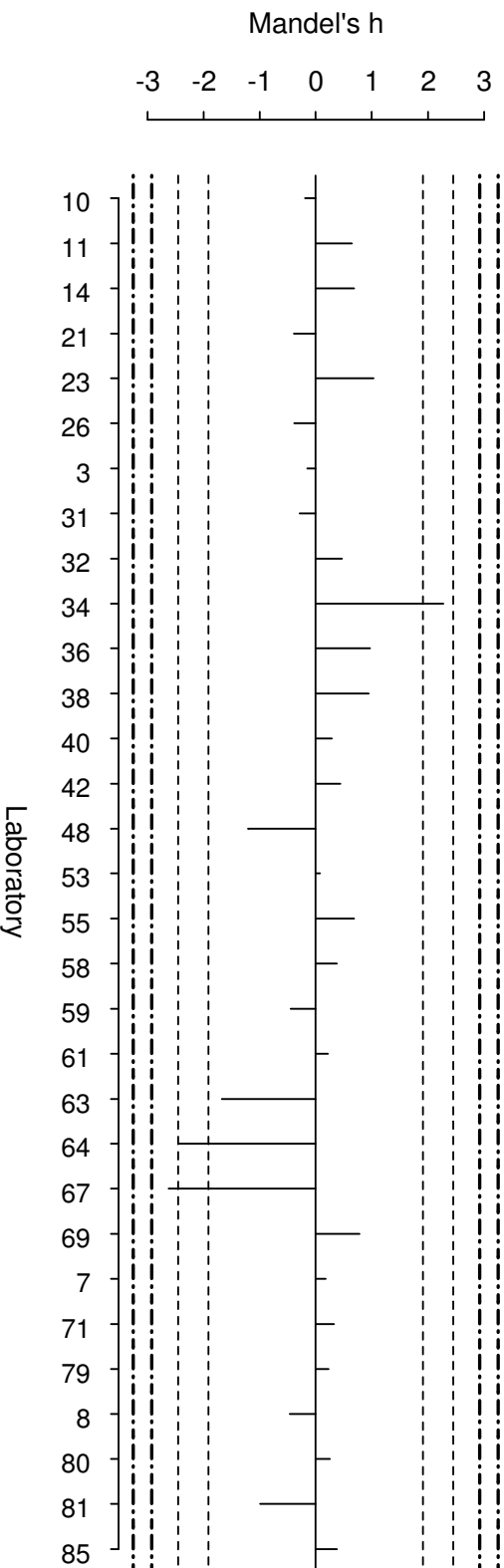
Step:2; Nlab:31; Mgen:9.565; Fval:58.33; Pval:0; sRep:0.4335; sLab:1.895; sRpr:1.944; CV:20.33



Mandel's h and k plot of sample C

1 - Particle size clay - sample C

Step:4; Nlab:31; Mgen:22.62; Fval:145.1; Pval:0; sRep:0.9189; sLab:6.369; sRpr:6.435; CV:28.45



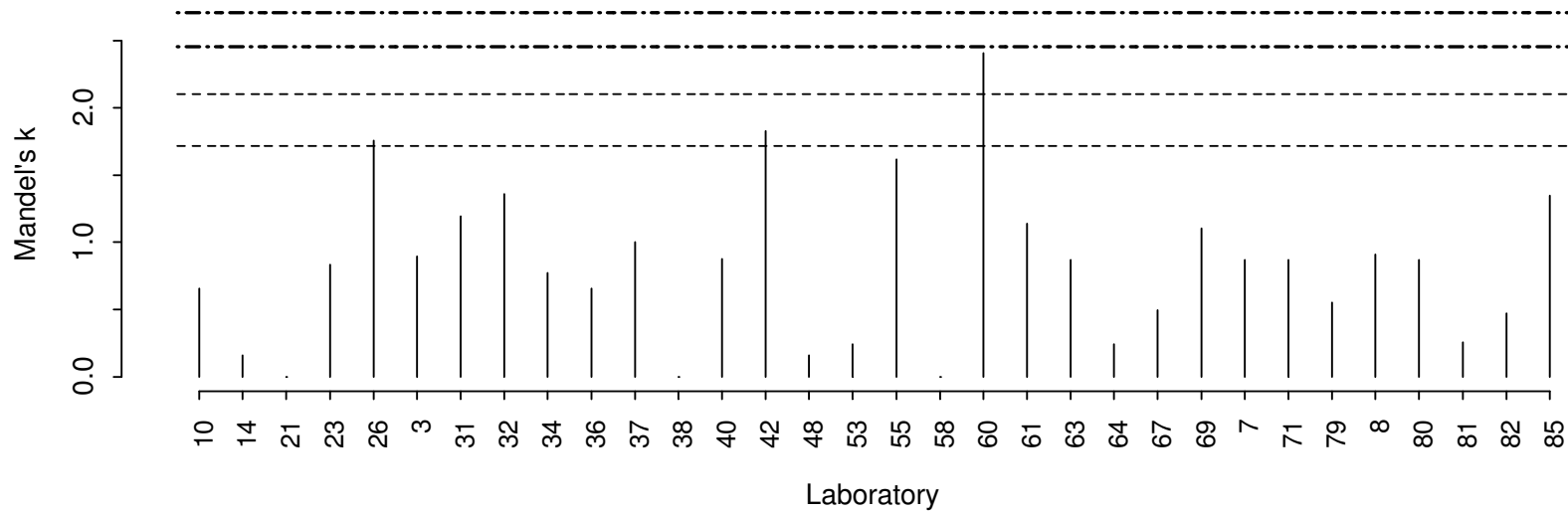
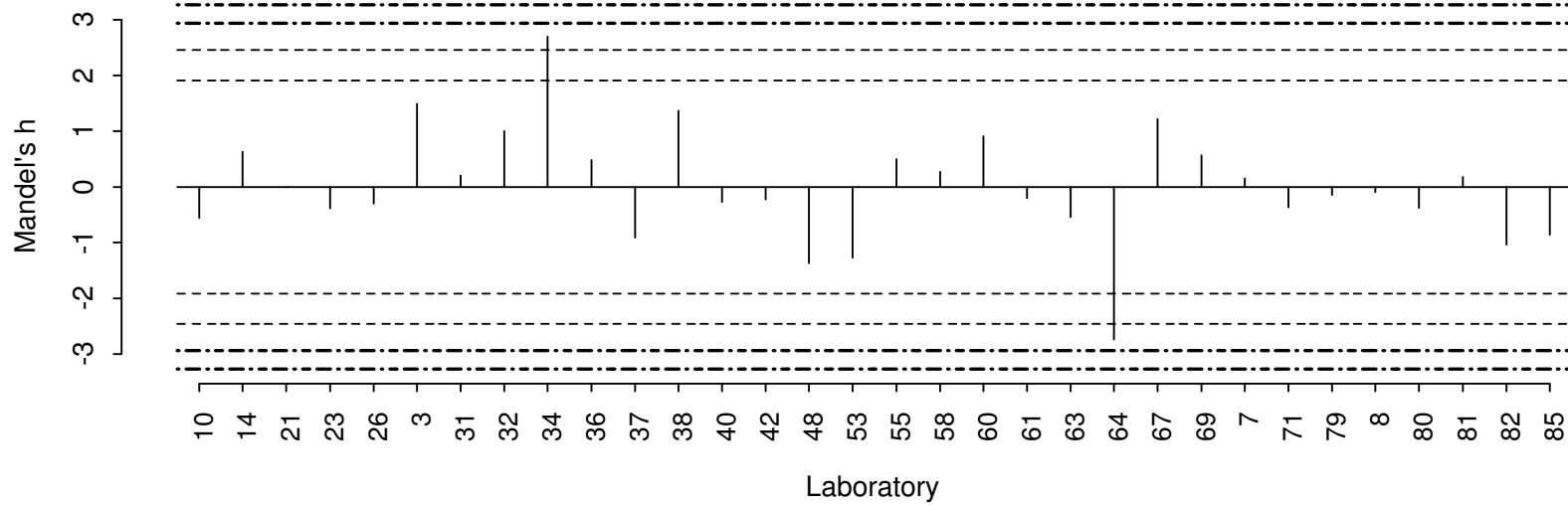
S: 85

E: k82;k37;k60

Mandel's h and k plot of sample D

1 - Particle size clay - sample D

Step:3; Nlab:32; Mgen:26.01; Fval:99.67; Pval:0; sRep:0.6346; sLab:3.64; sRpr:3.694; CV:14.2

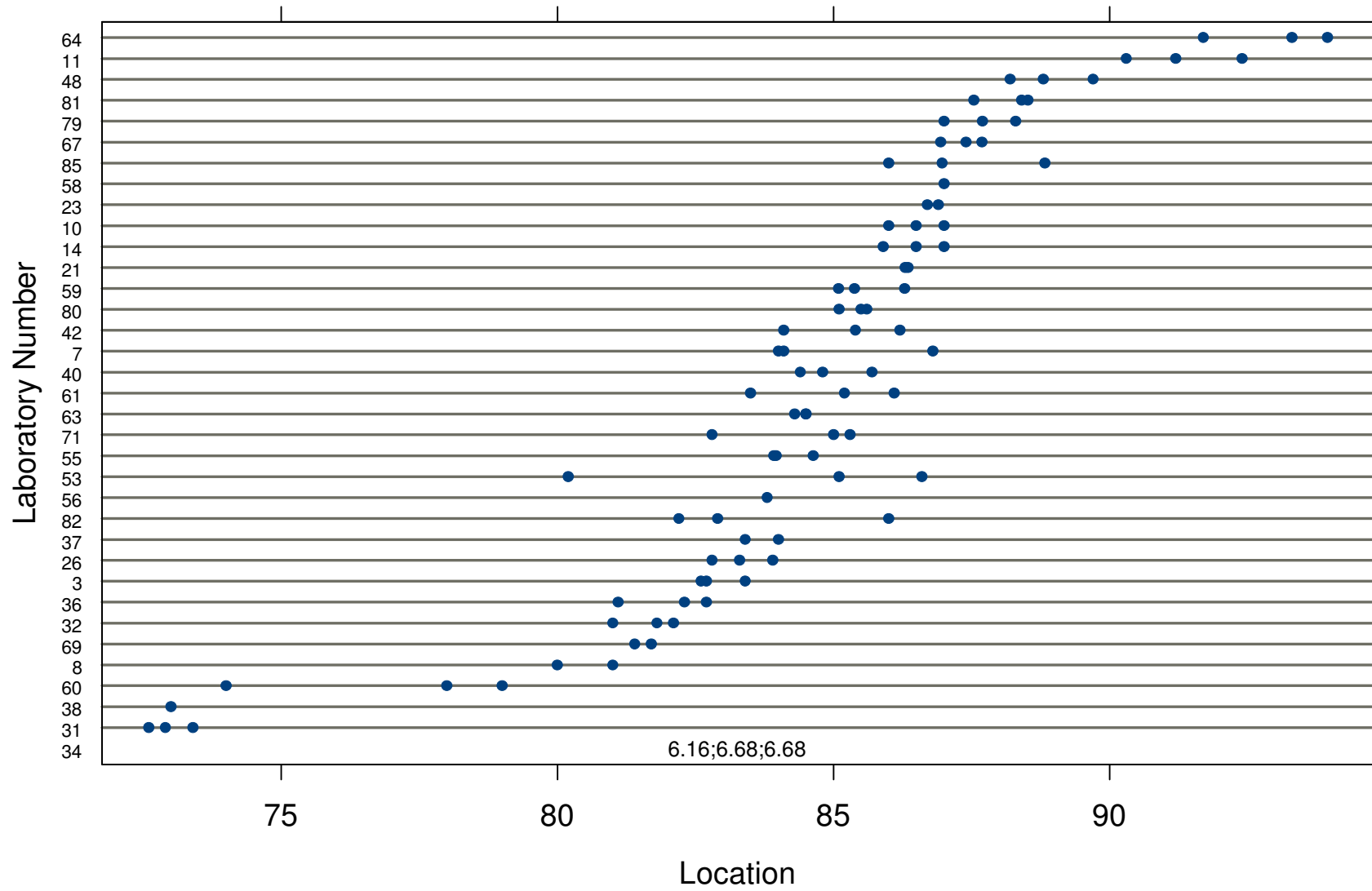


E: k59;k11

Particle size sand

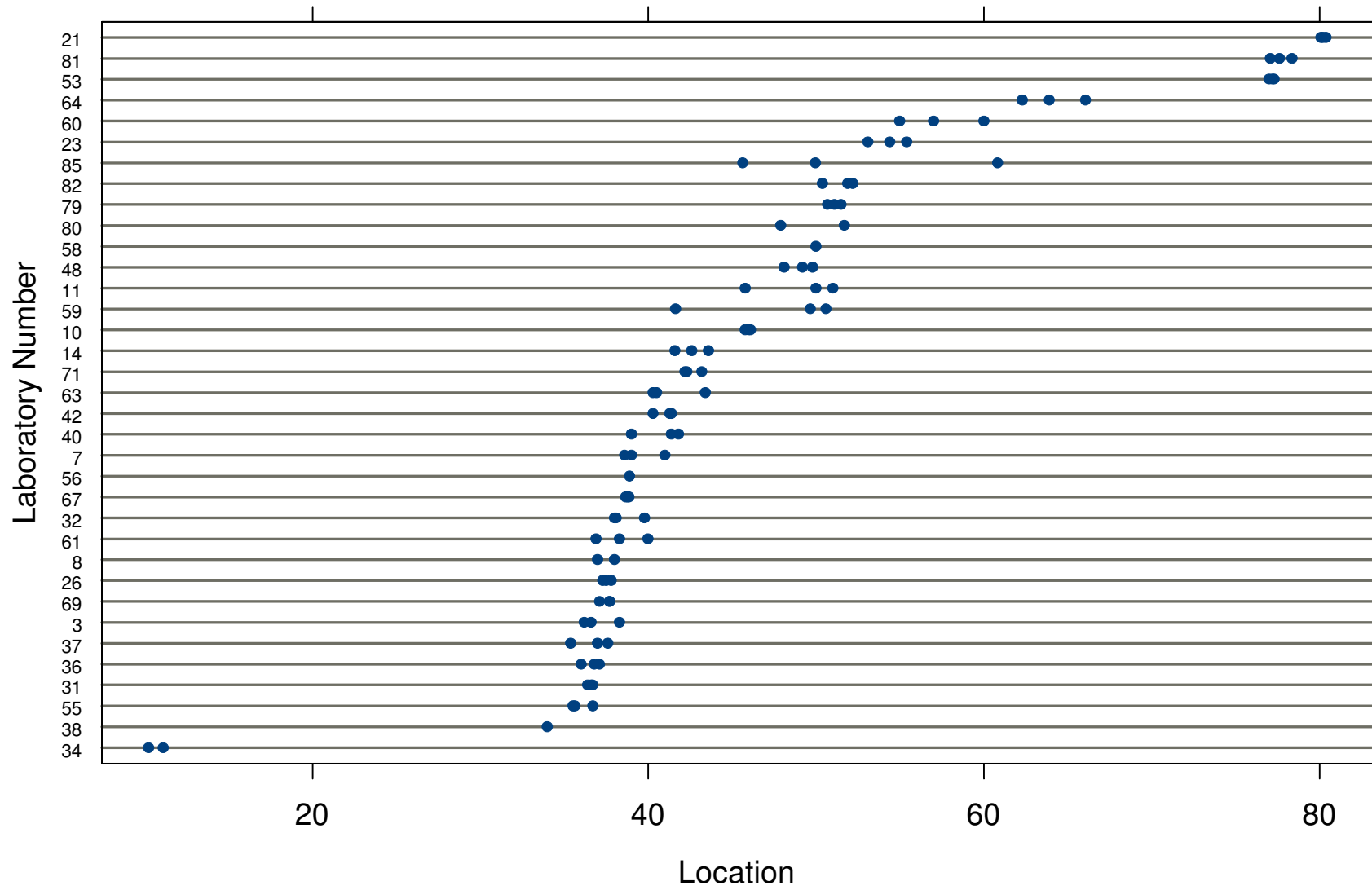
Dot plot sample A

1 - Particle size sand - Sample A



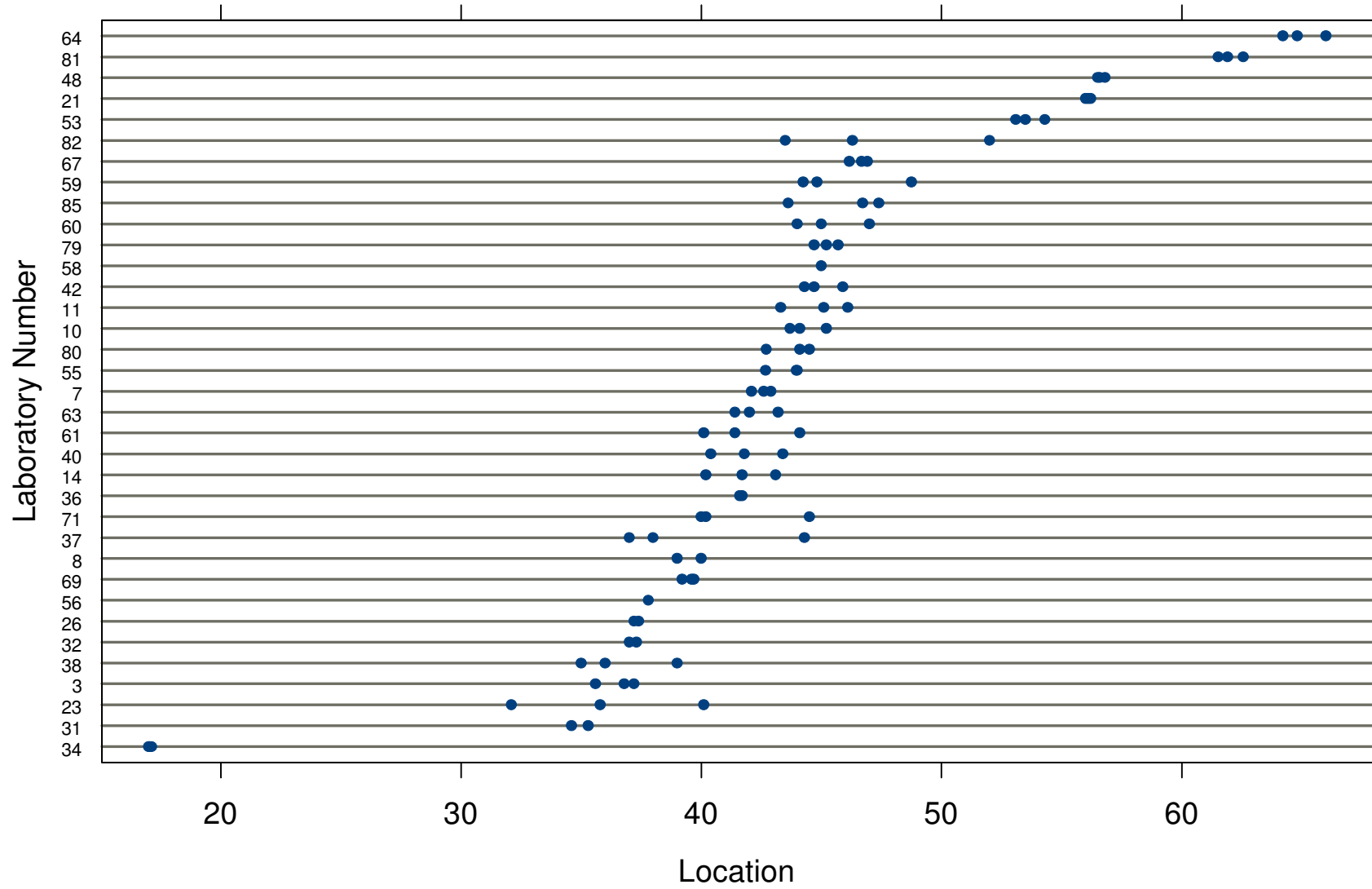
Dot plot sample B

1 - Particle size sand - Sample B



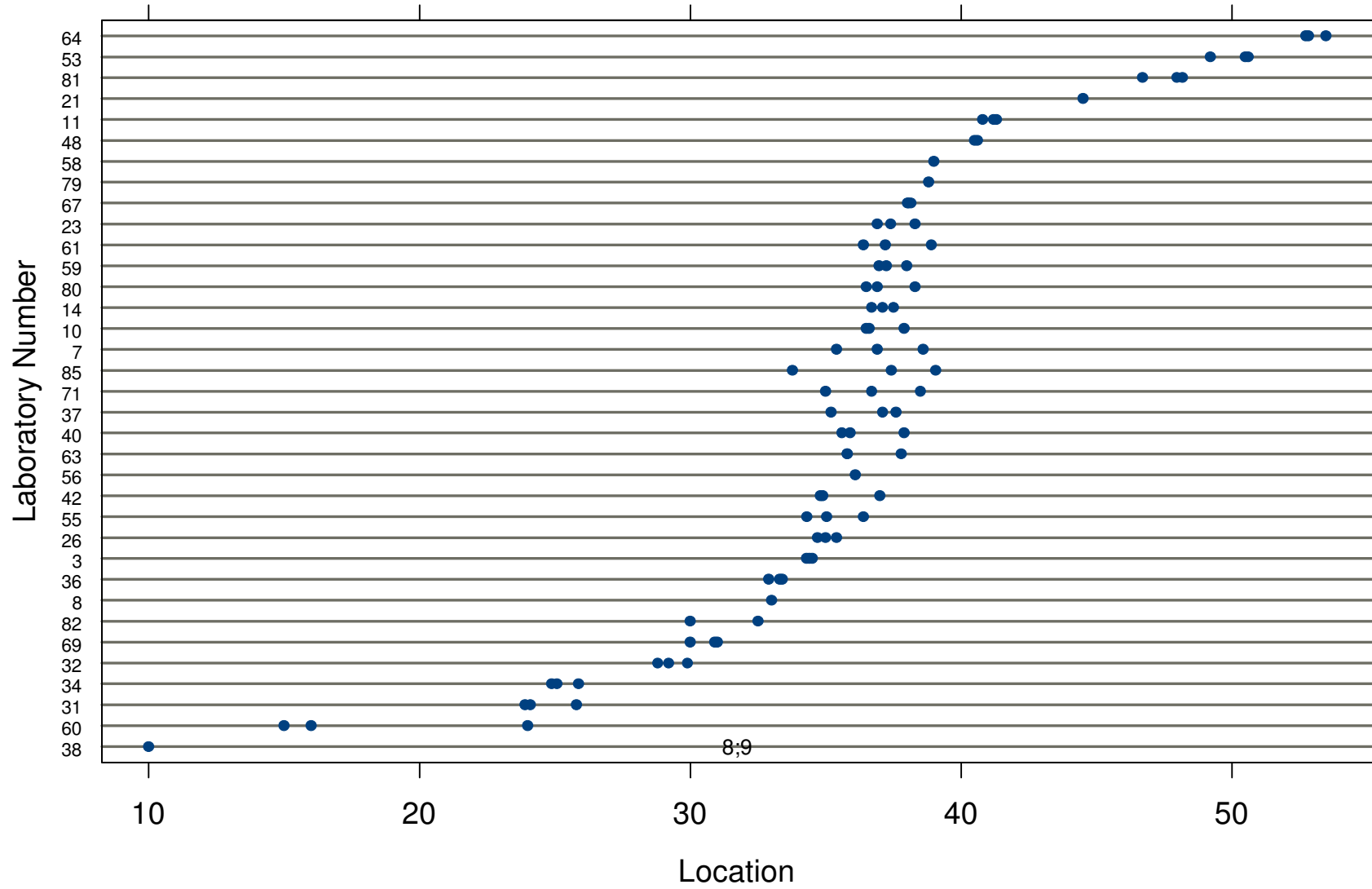
Dot plot sample C

1 - Particle size sand - Sample C

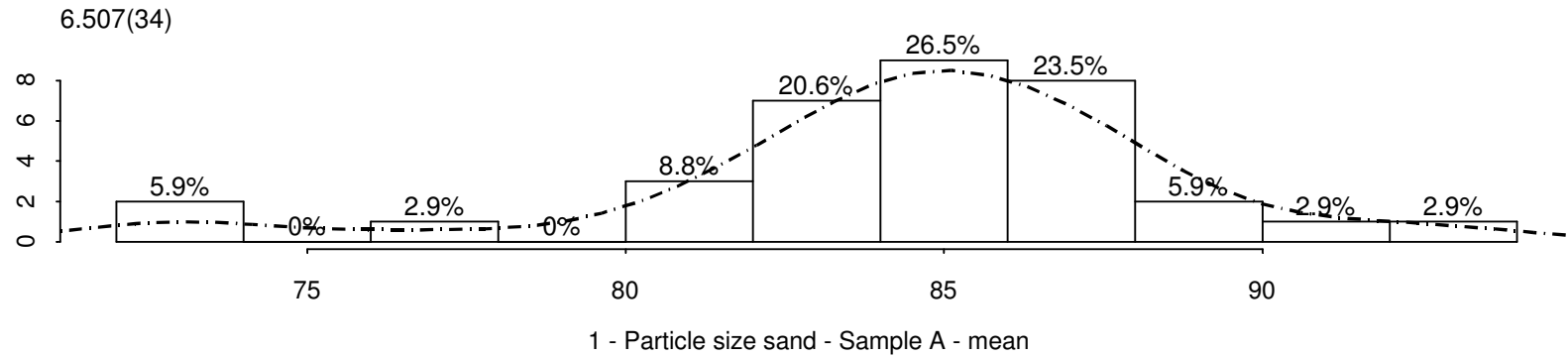


Dot plot sample D

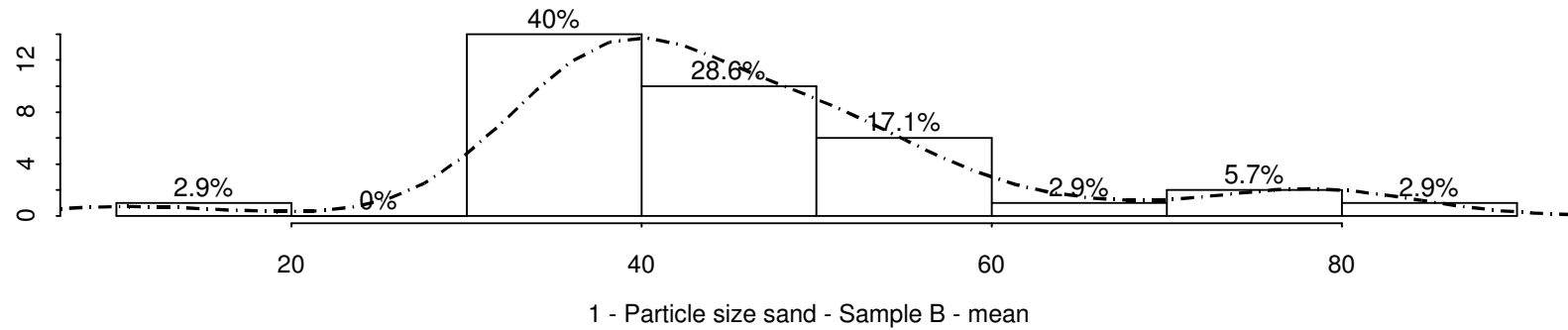
1 - Particle size sand - Sample D



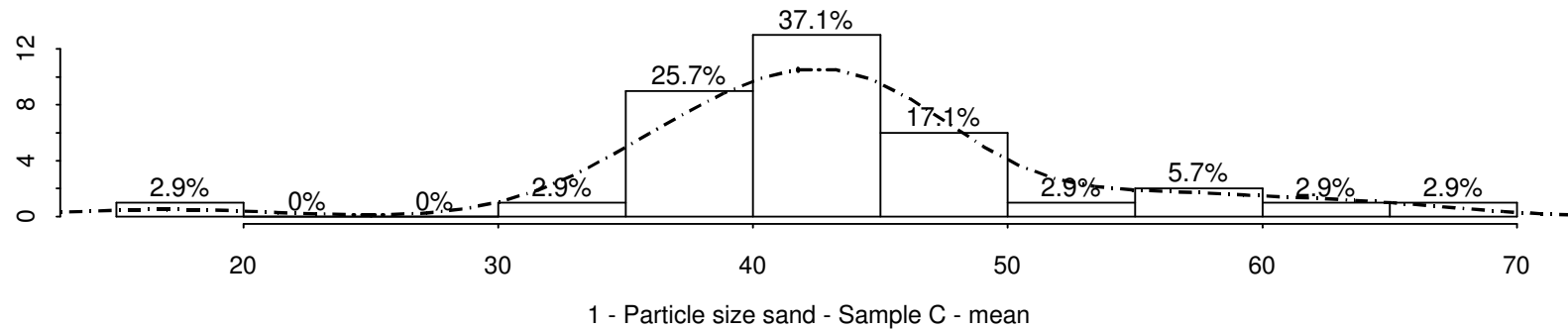
Histogram of the means of samples A, B and C



N: 35 NA: 0 Z: 0 E: 1.0 U: 34
a: 82.21 m: 84.93 s: 13.79

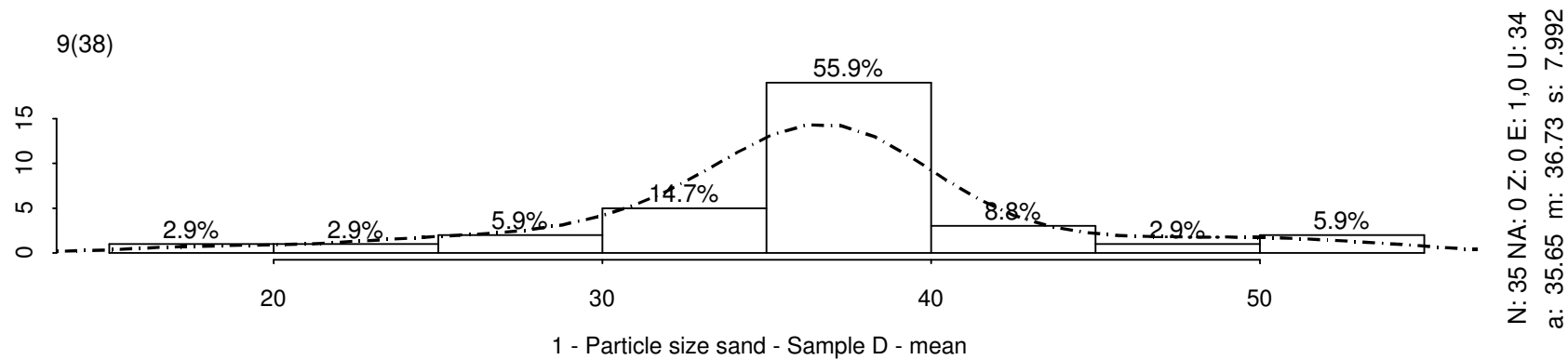


N: 35 NA: 0 Z: 0 E: 0 U: 35
a: 45.72 m: 41.4 s: 13.52

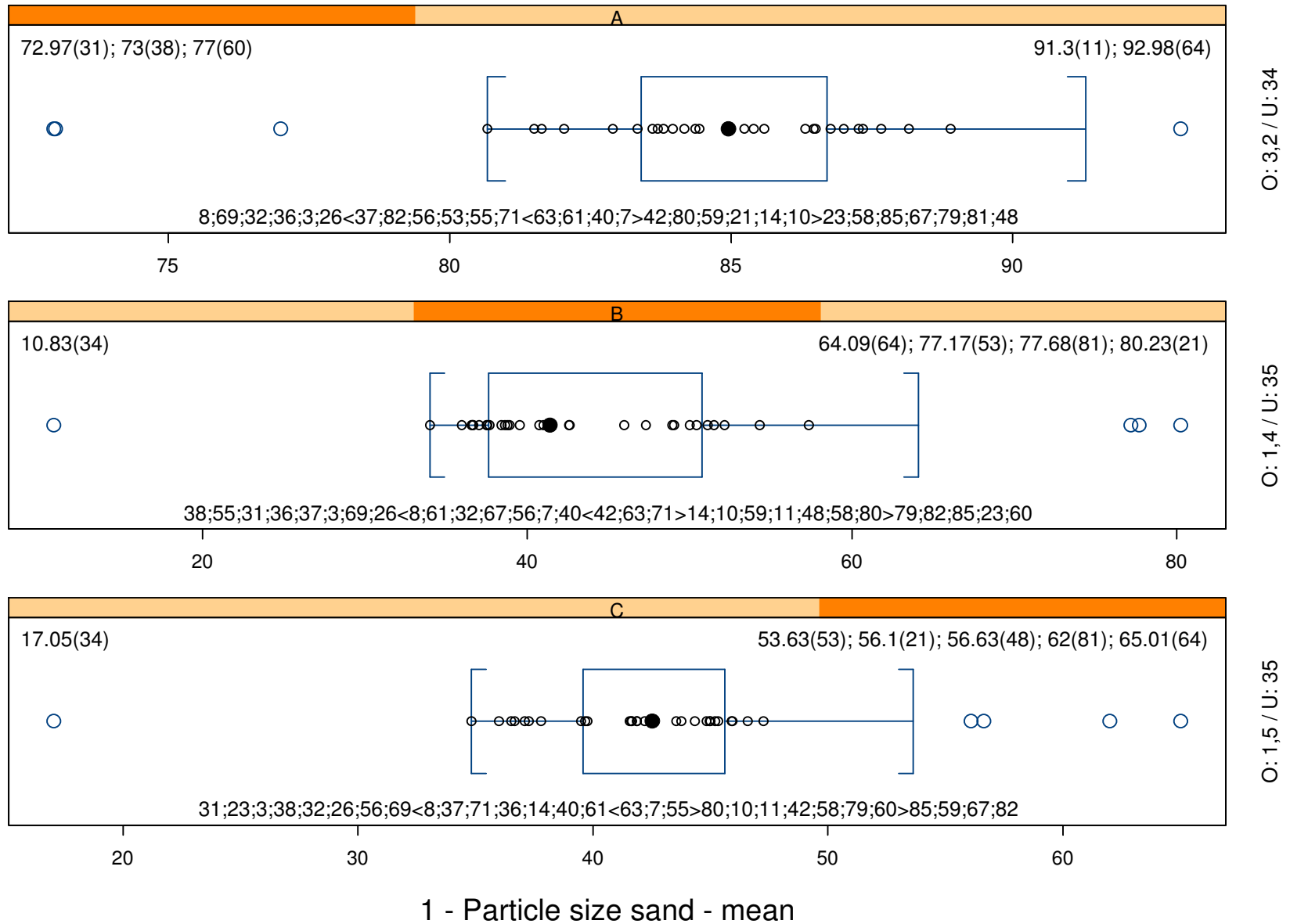


N: 35 NA: 0 Z: 0 E: 0 U: 35
a: 43.47 m: 42.53 s: 8.382

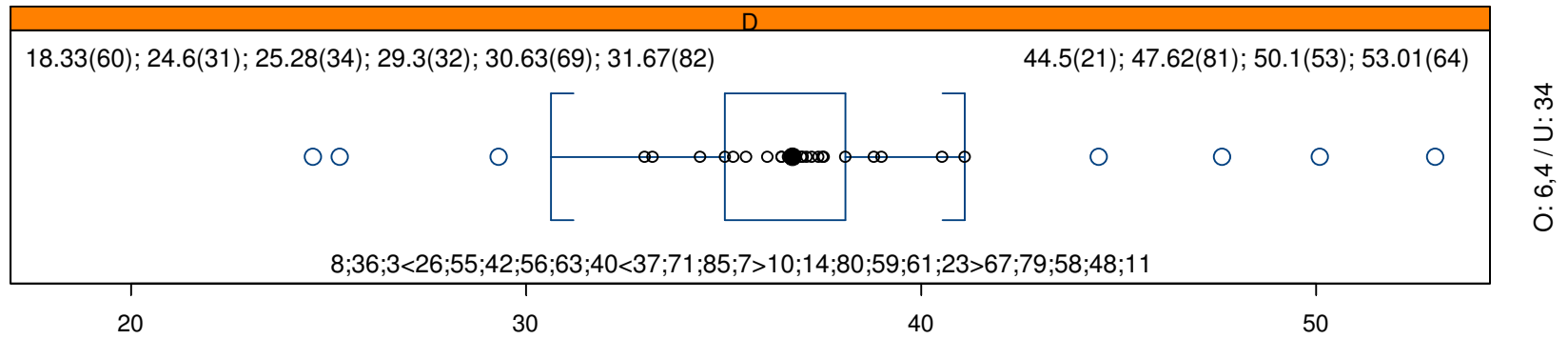
Histogram of the means of sample D



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

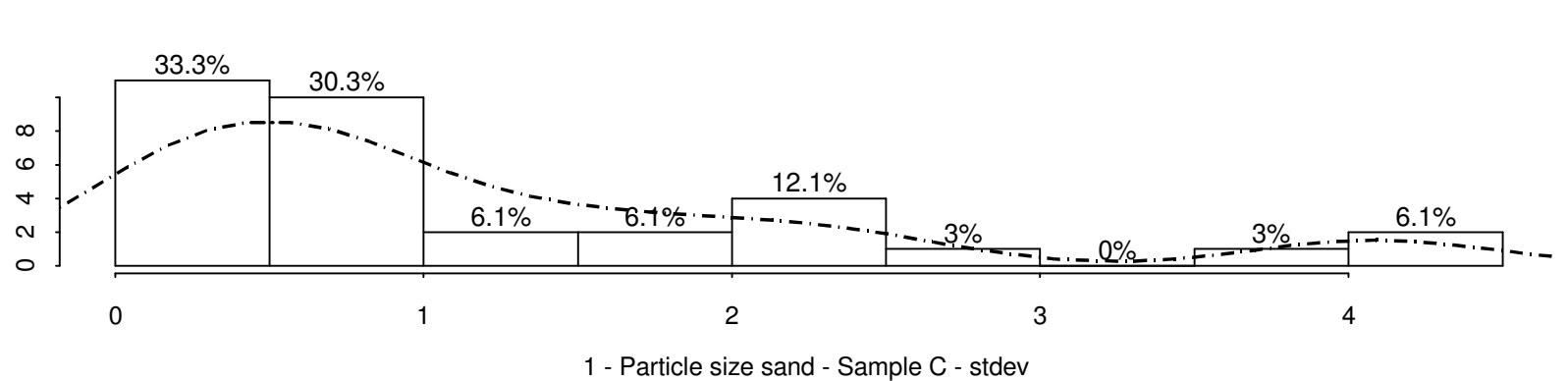
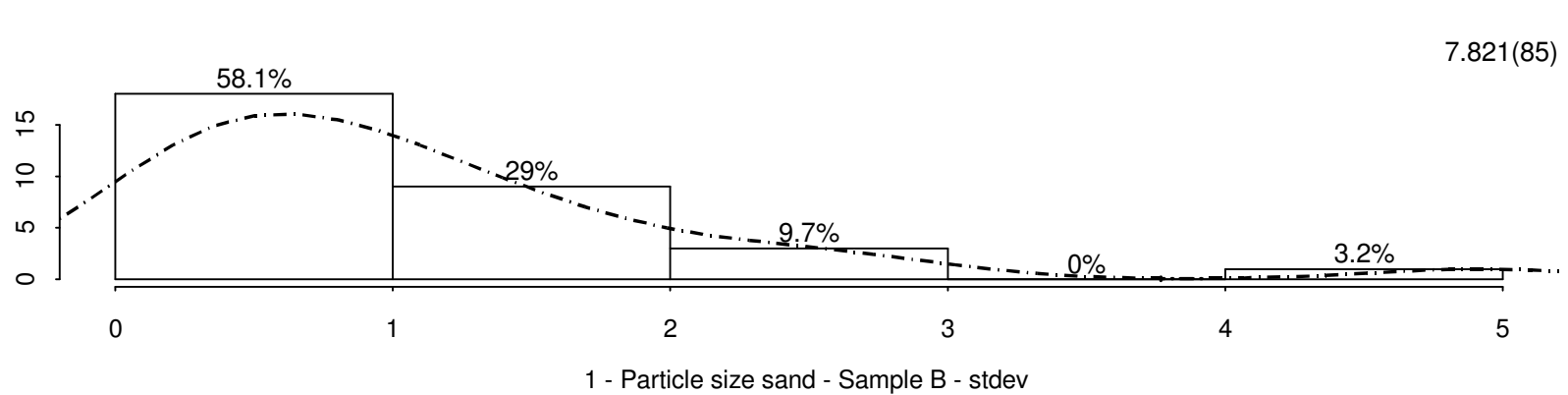
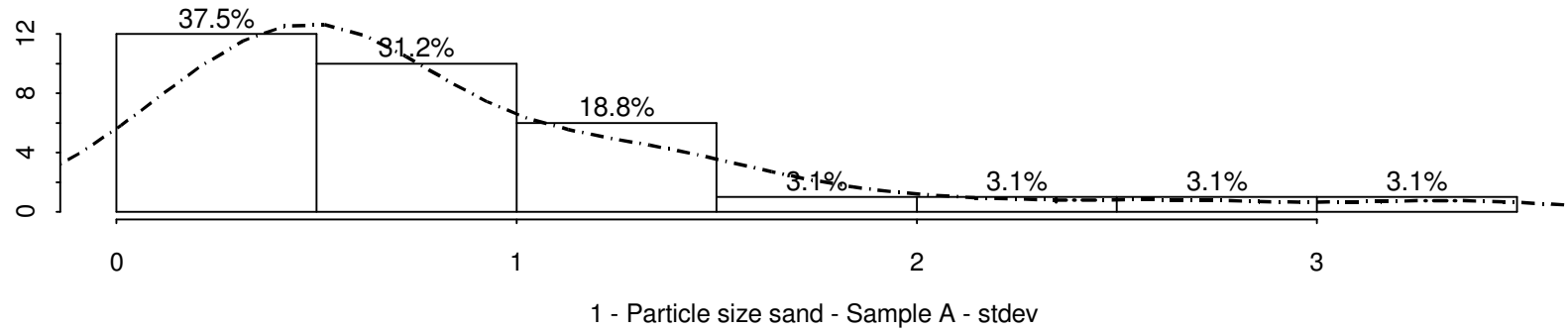


Box plot of the means of sample D

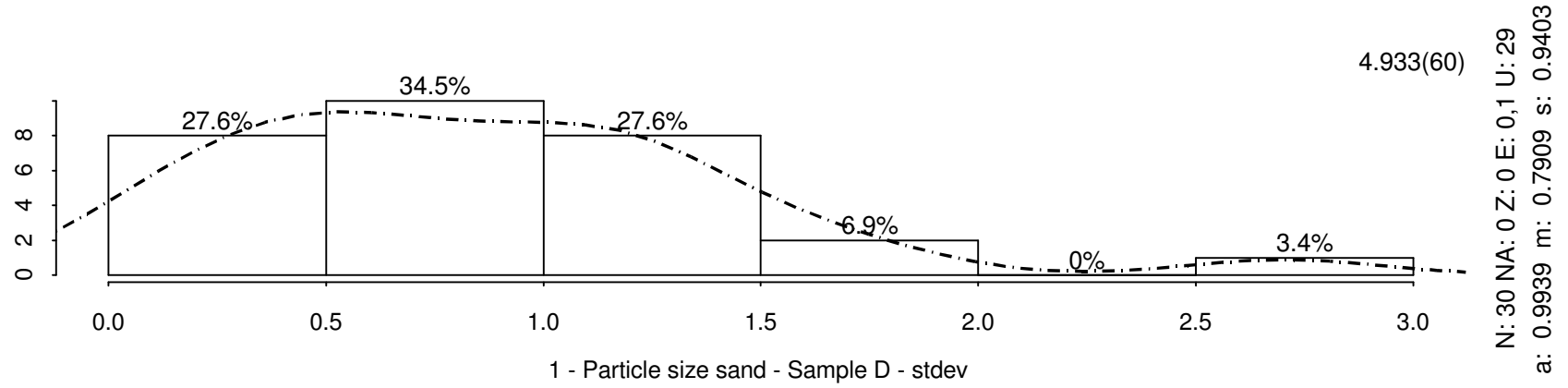


1 - Particle size sand - mean

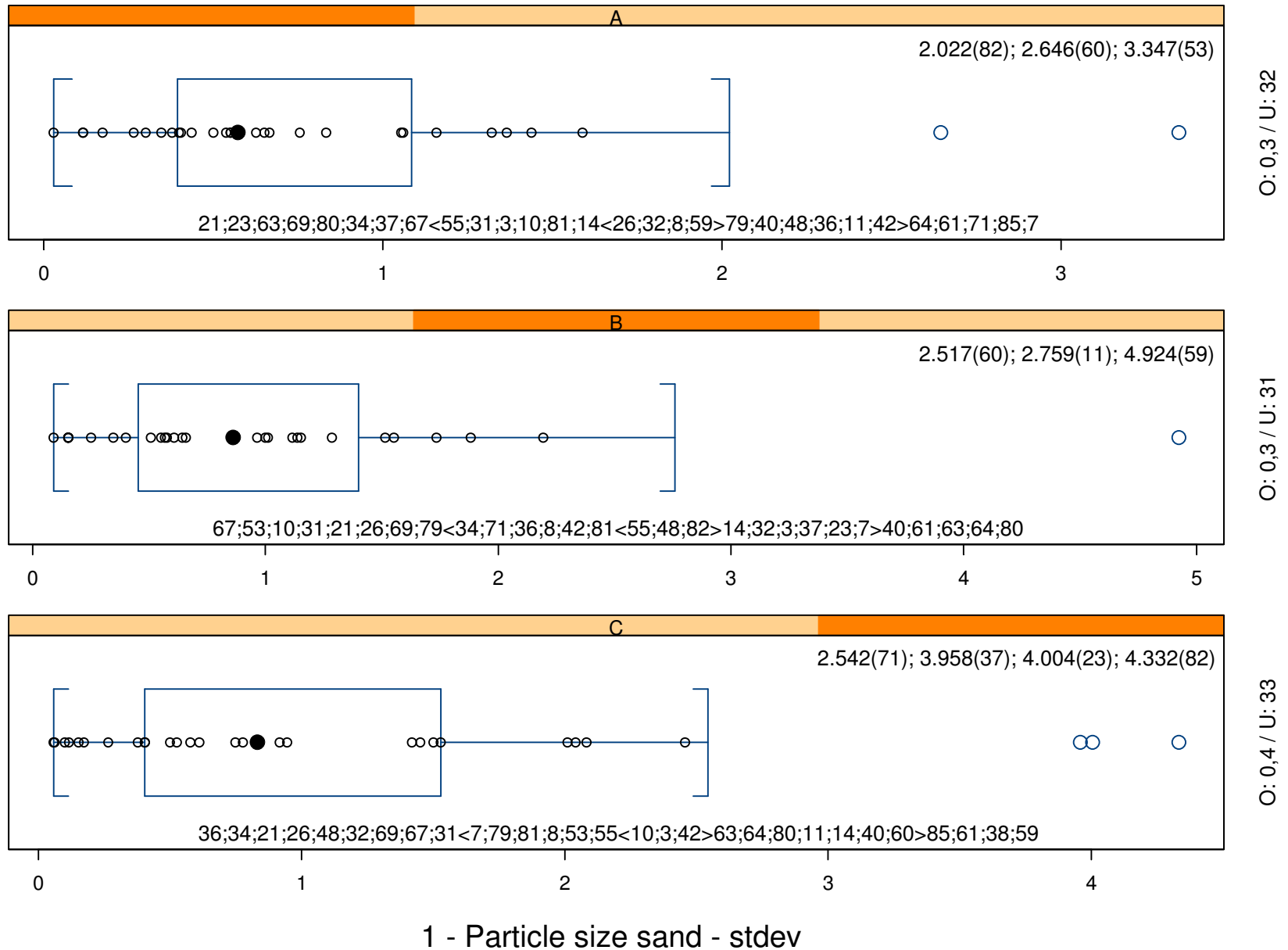
Histogram of the standard deviations of samples A, B and C



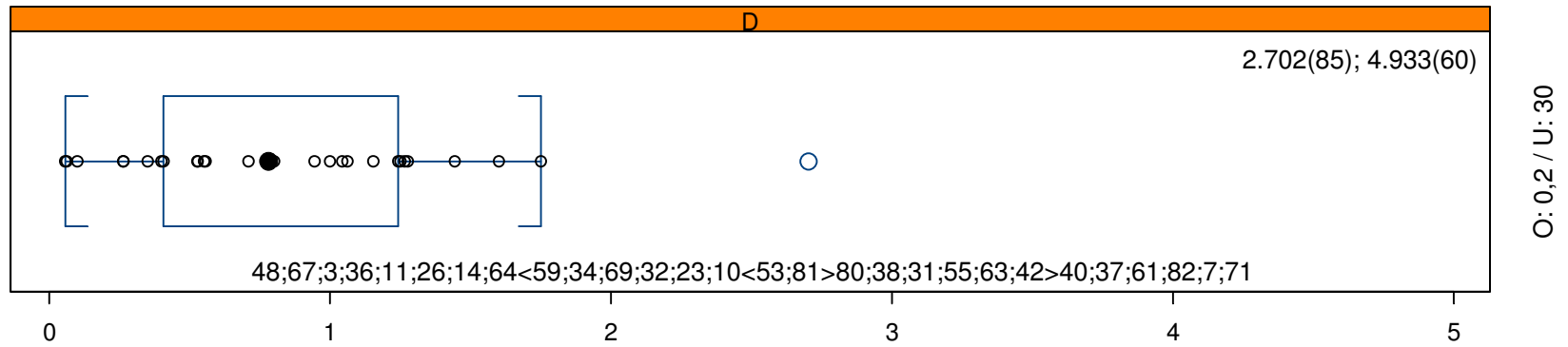
Histogram of the standard deviations of sample D



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



Box plot of the standard deviations of sample D

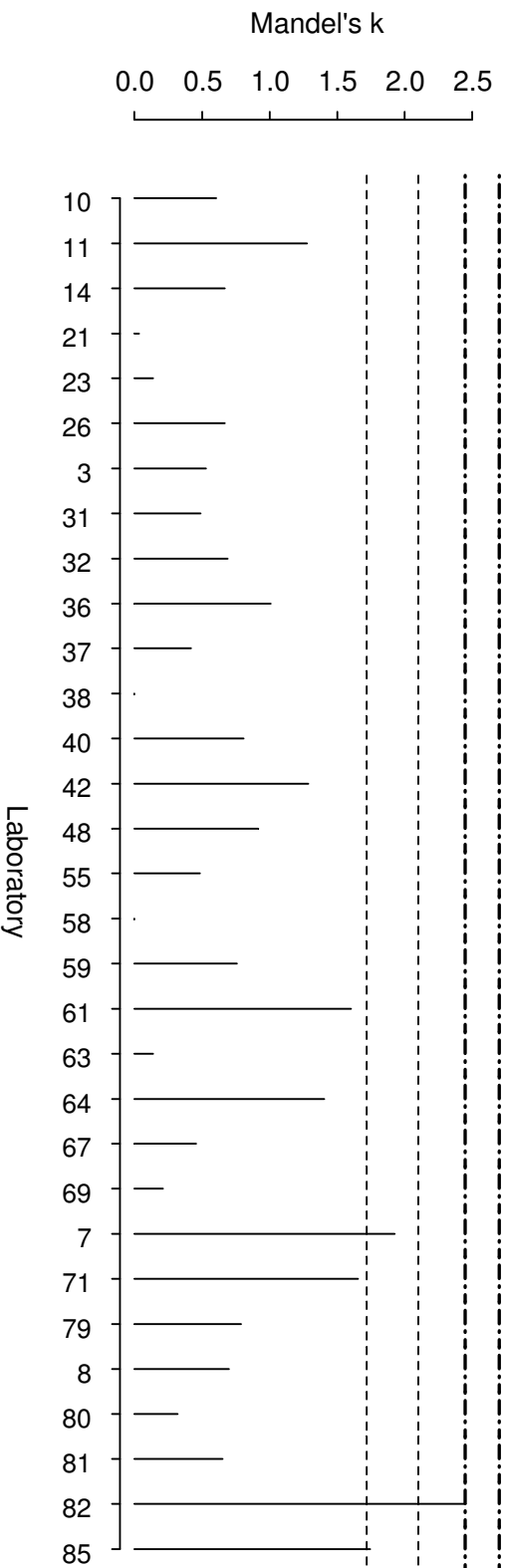
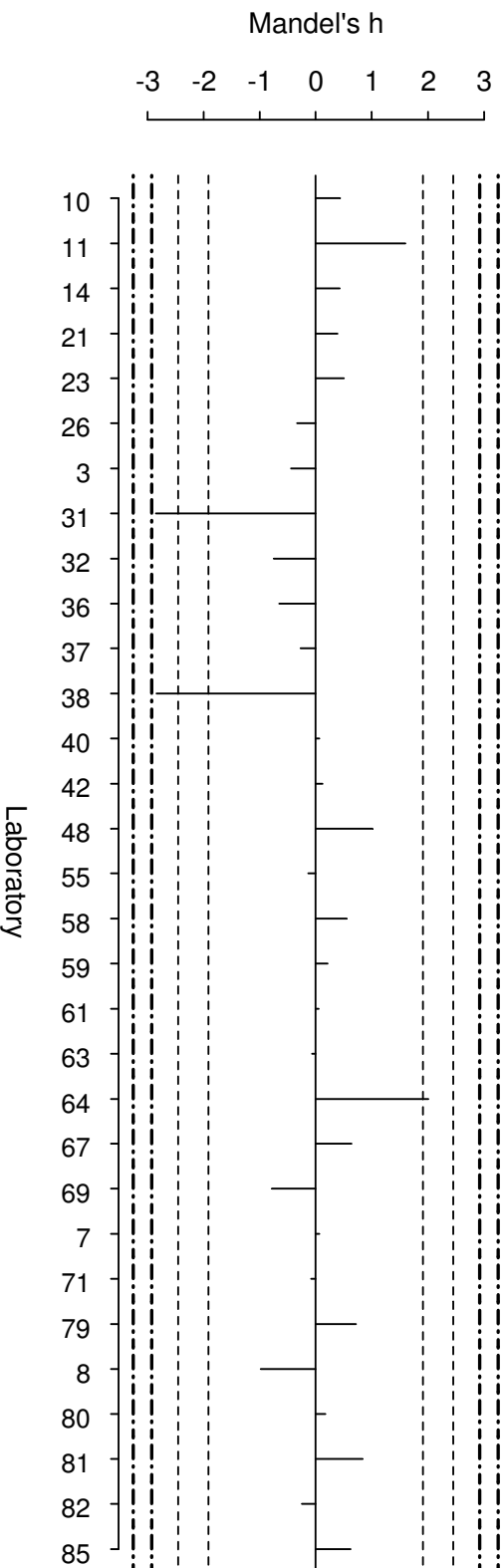


1 - Particle size sand - stdev

Mandel's h and k plot of sample A

1 - Particle size sand - sample A

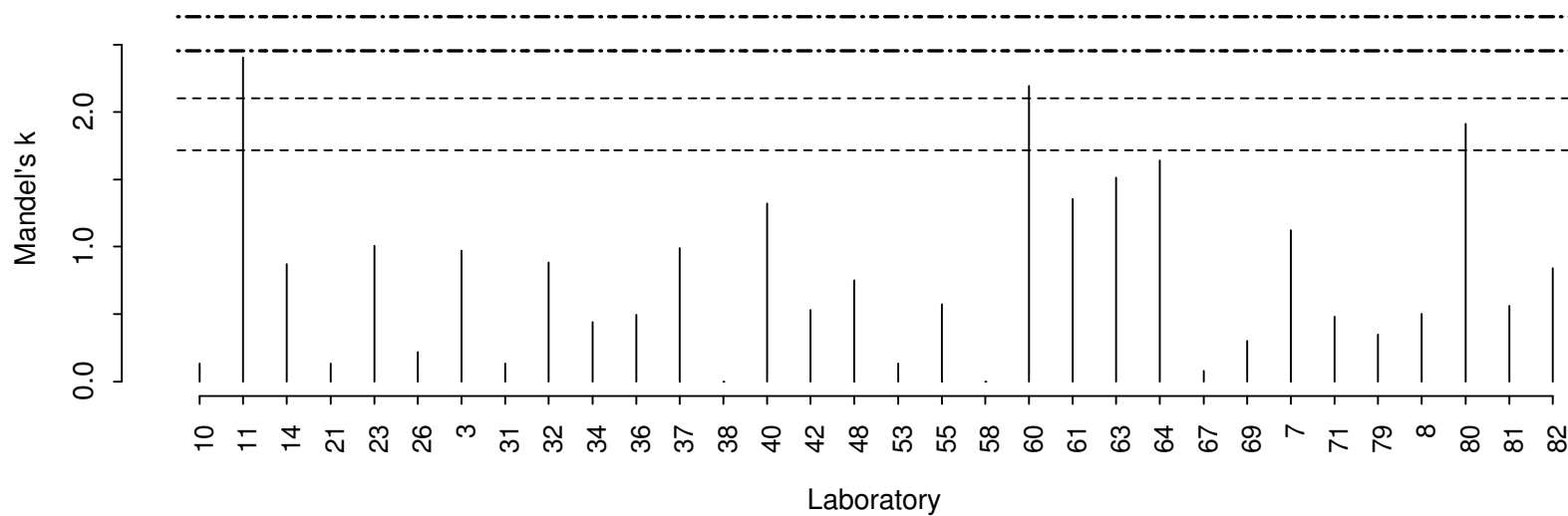
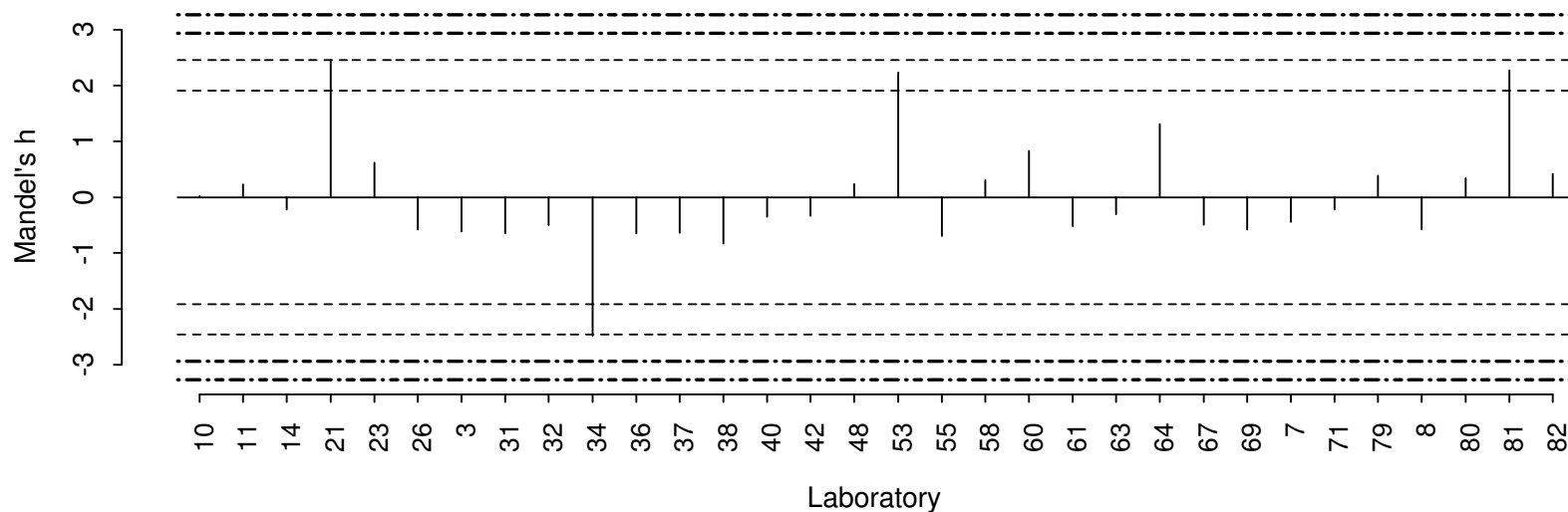
Step:3; Nlab:31; Mgen:84.71; Fval:74.94; Pval:0; sRep:0.8248; sLab:4.095; sRpr:4.177; CV:4.931



Mandel's h and k plot of sample B

1 - Particle size sand - sample B

Step:3; Nlab:32; Mgen:45.68; Fval:450.1; Pval:0; sRep:1.147; sLab:14.04; sRpr:14.08; CV:30.83

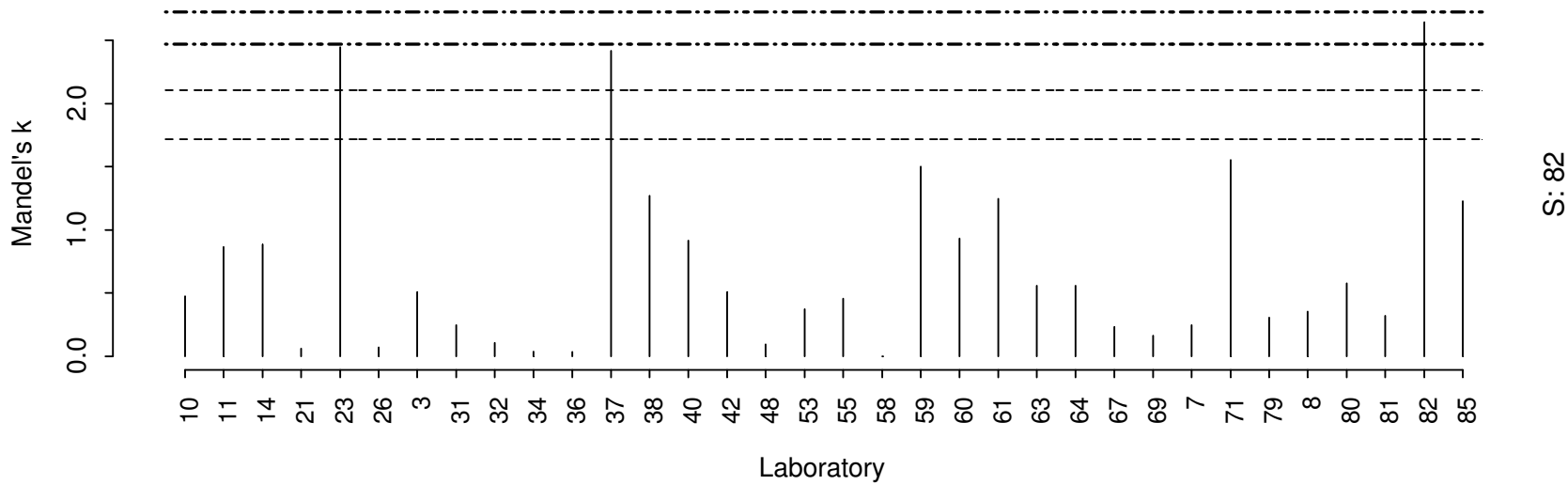
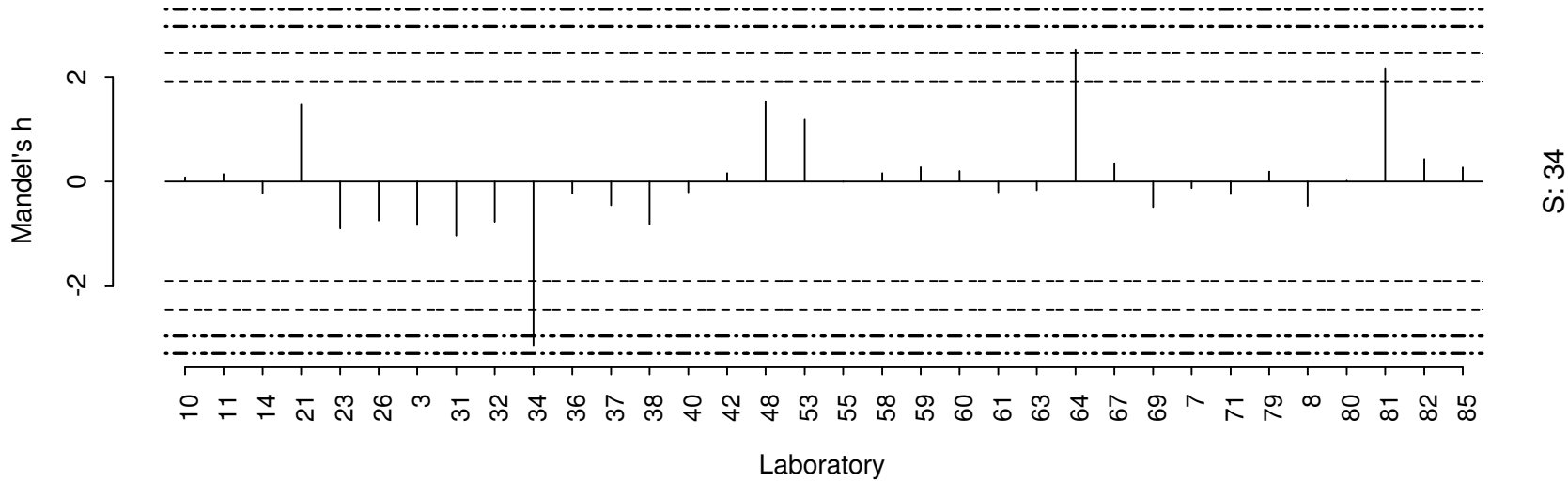


E: k85;k59

Mandel's h and k plot of sample C

1 - Particle size sand - sample C

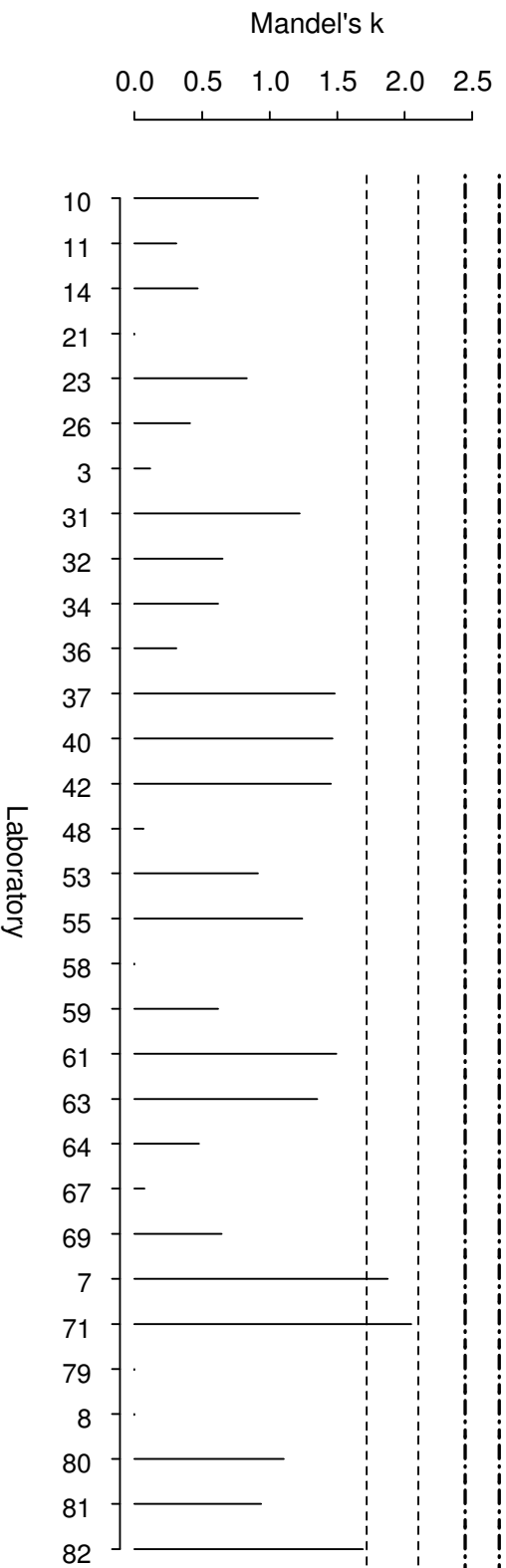
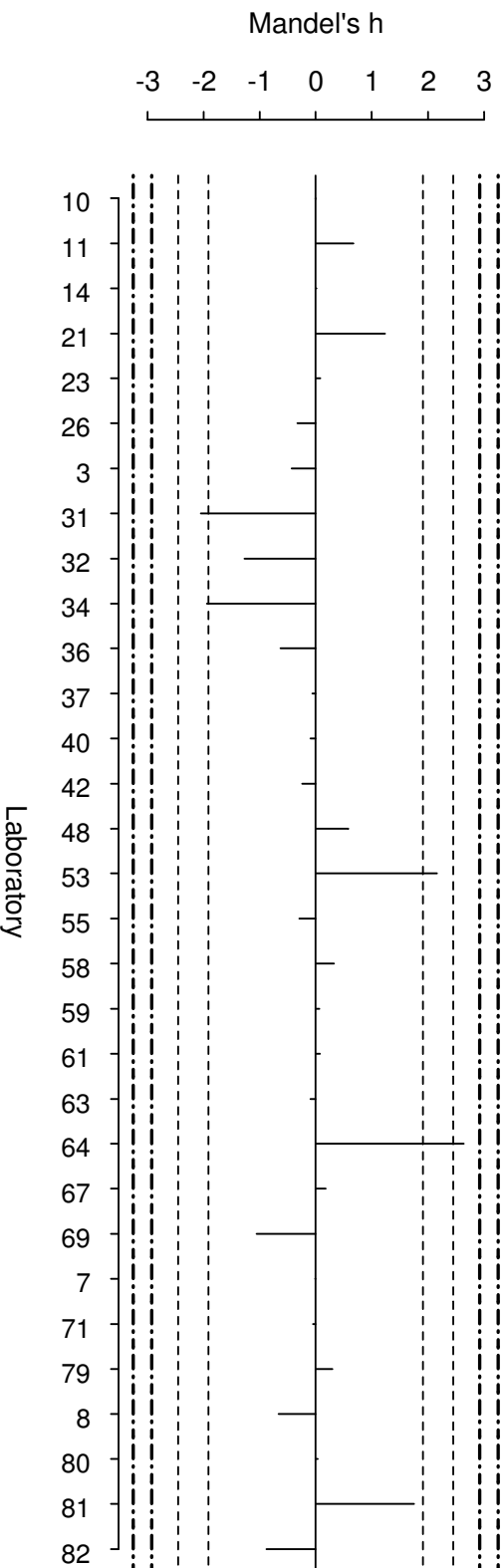
Step:1; Nlab:34; Mgen:43.64; Fval:79.87; Pval:0; sRep:1.637; sLab:8.396; sRpr:8.554; CV:19.6



Mandel's h and k plot of sample D

1 - Particle size sand - sample D

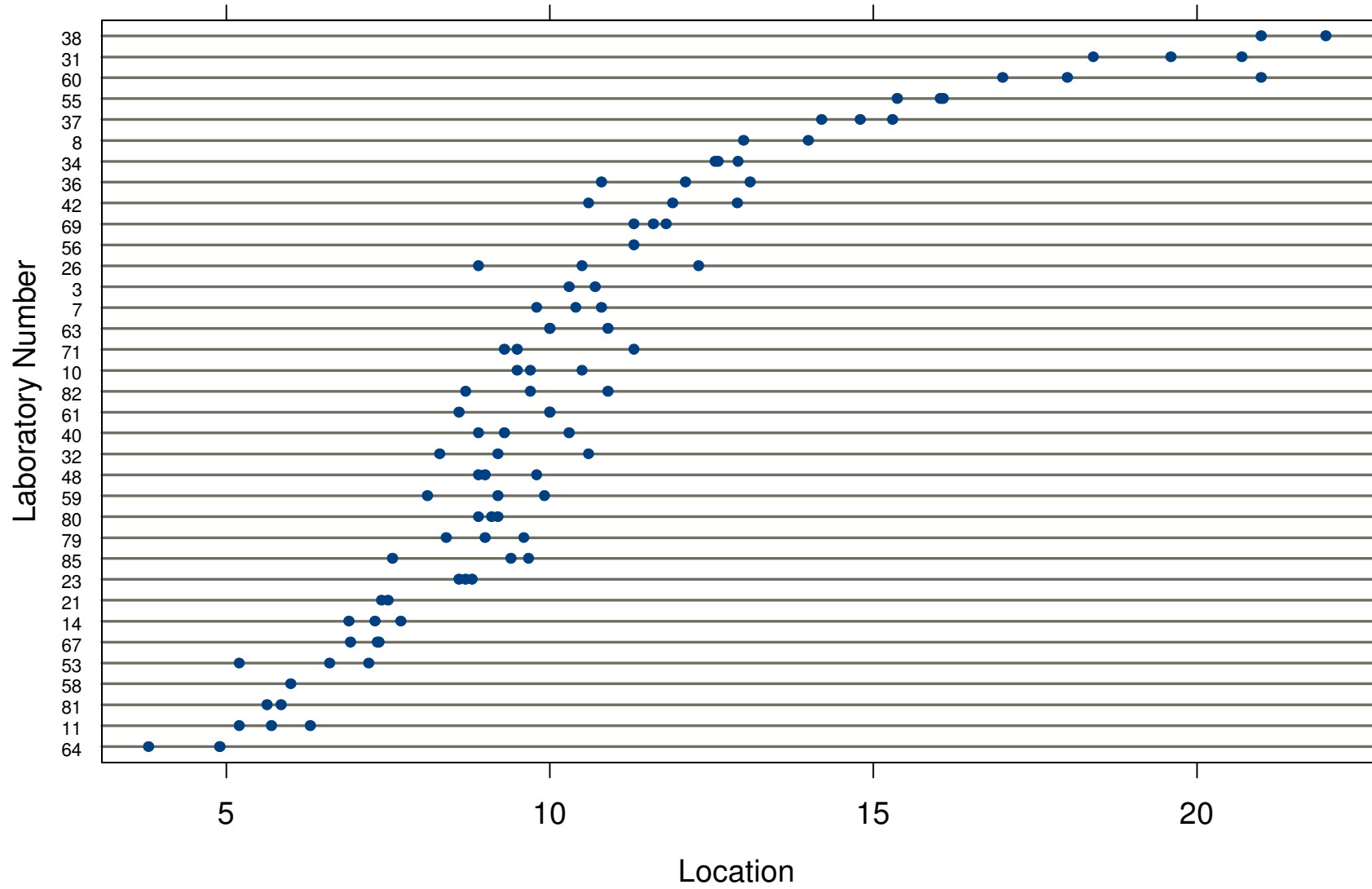
Step:3; Nlab:31; Mgen:37.02; Fval:150.9; Pval:0; sRep:0.8545; sLab:6.04; sRpr:6.1; CV:16.48

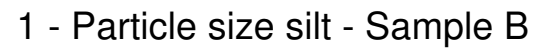


Particle size silt

Dot plot of sample A

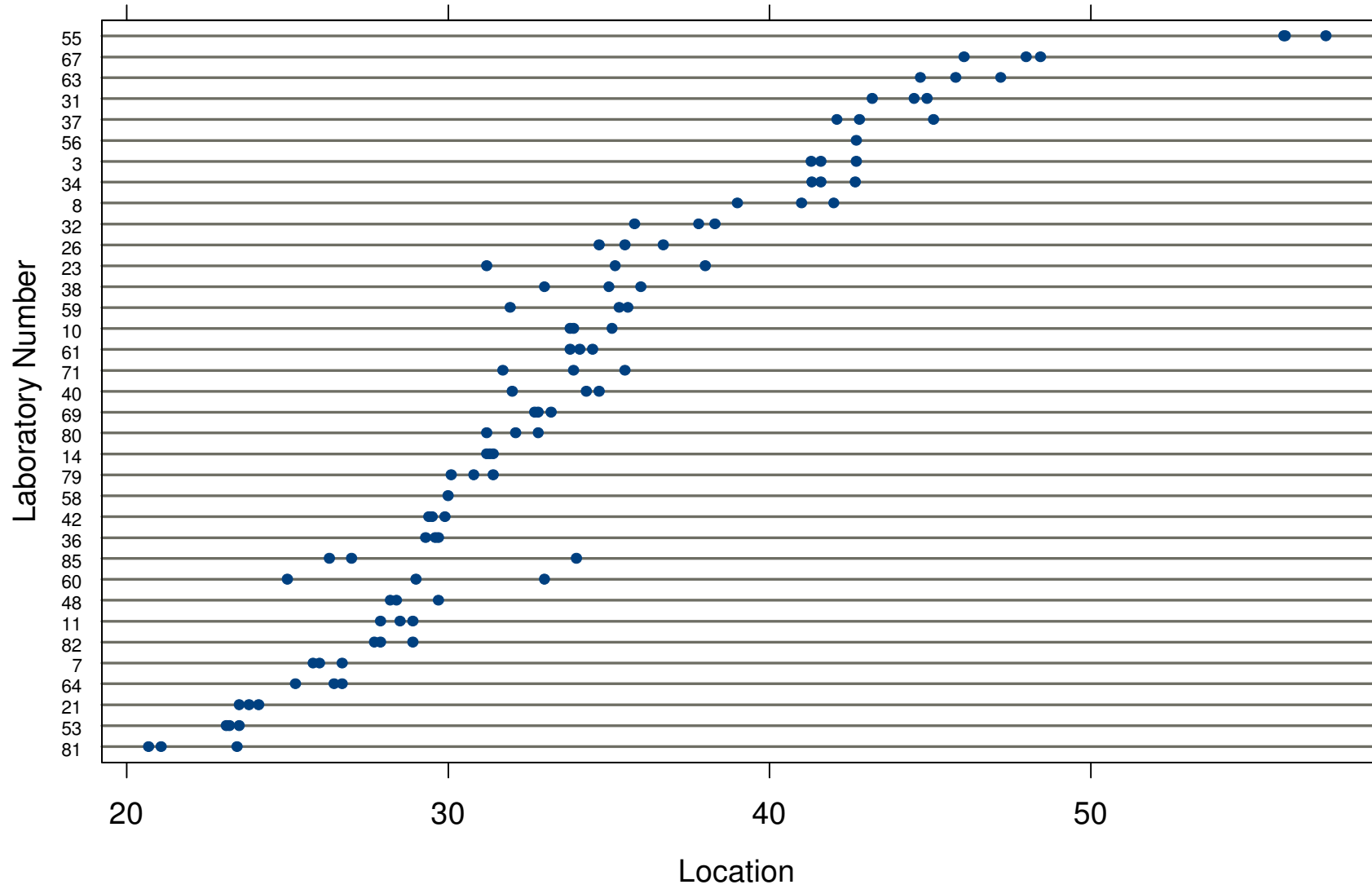
1 - Particle size silt - Sample A





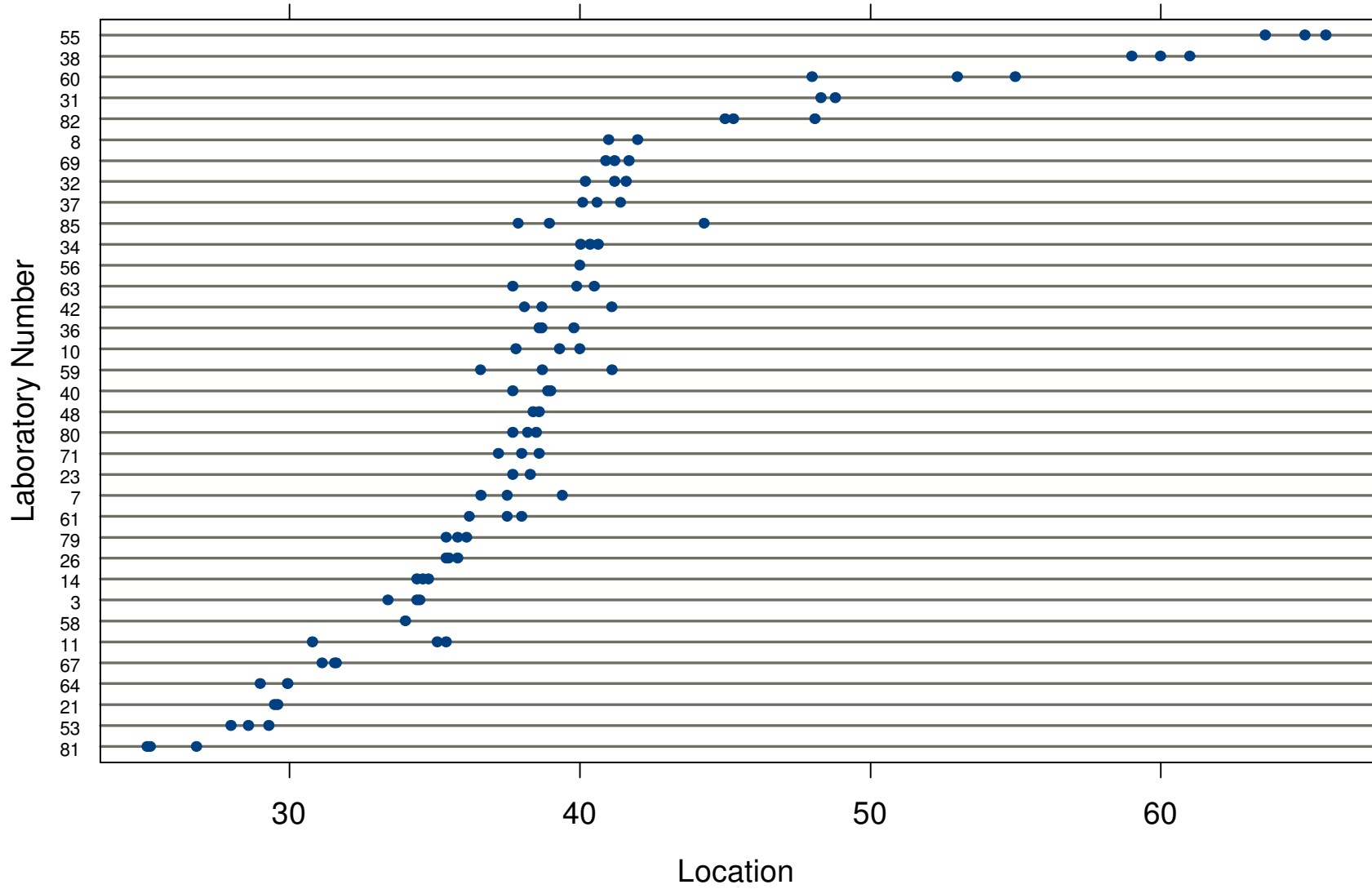
Dot plot of sample C

1 - Particle size silt - Sample C

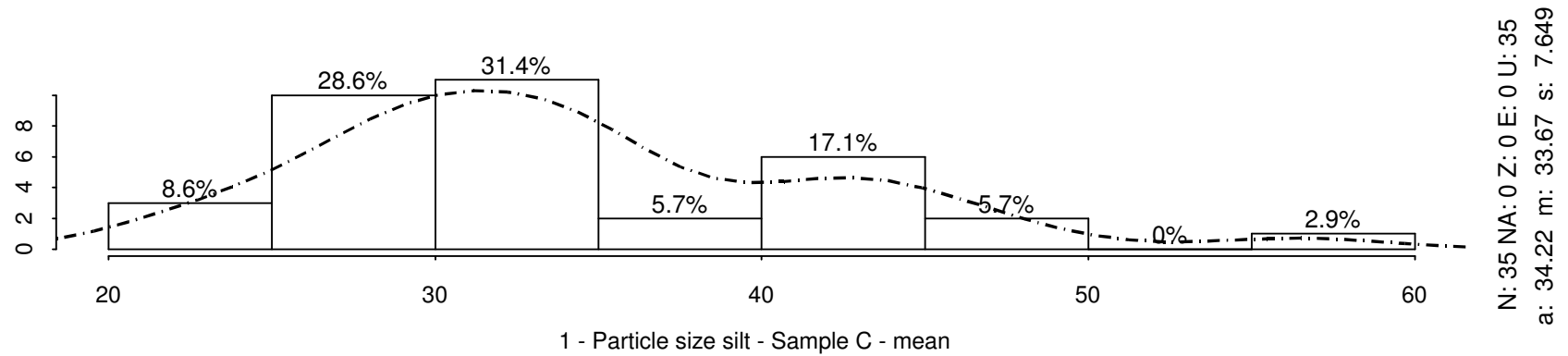
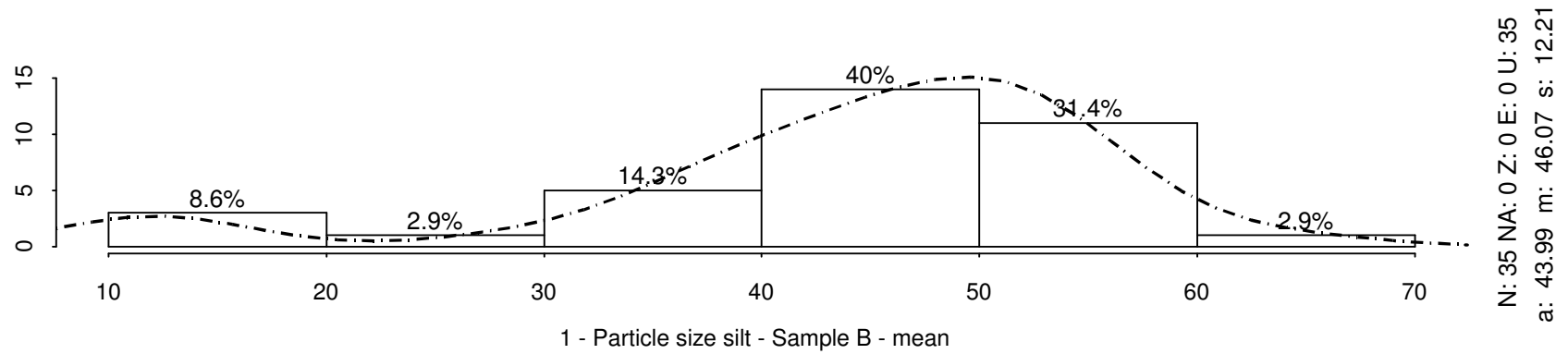
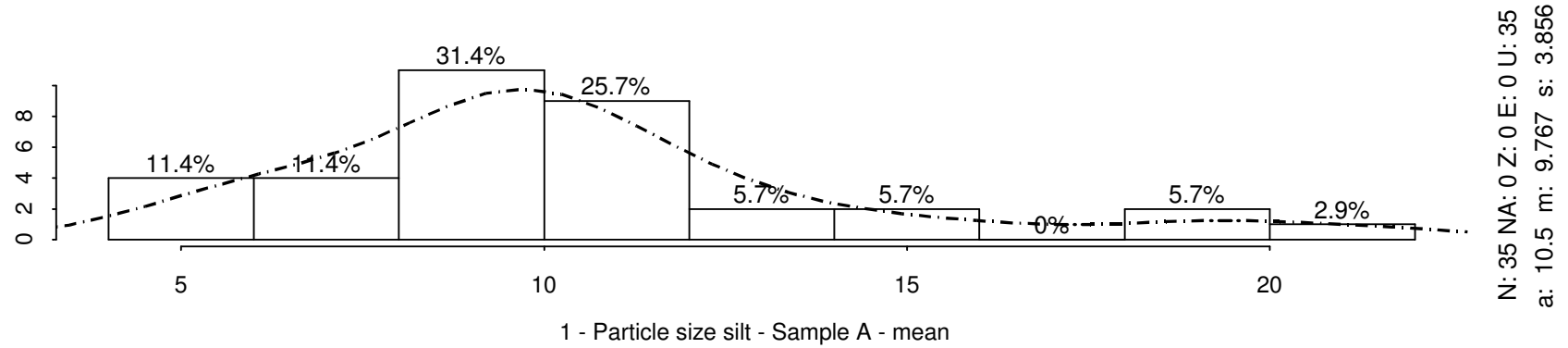


Dot plot of sample D

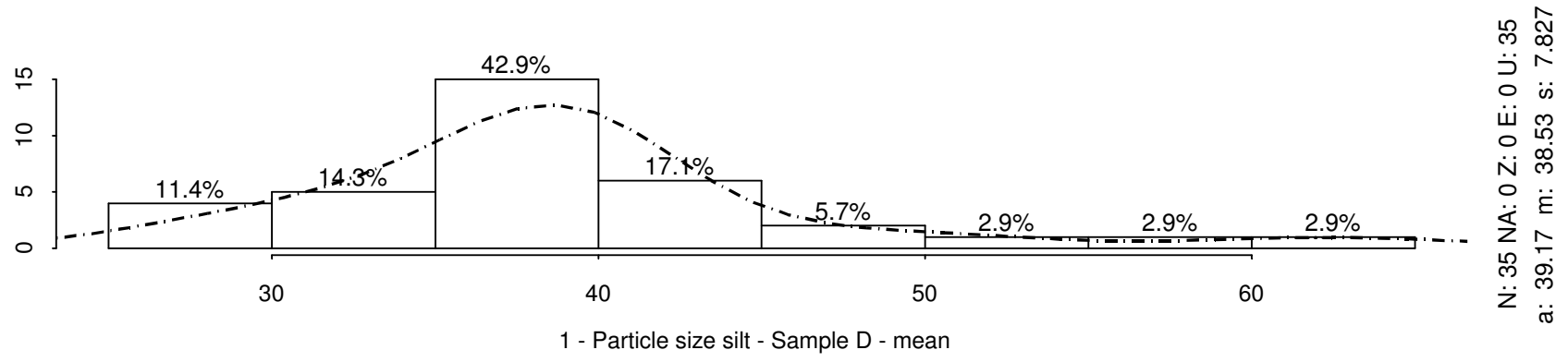
1 - Particle size silt - Sample D



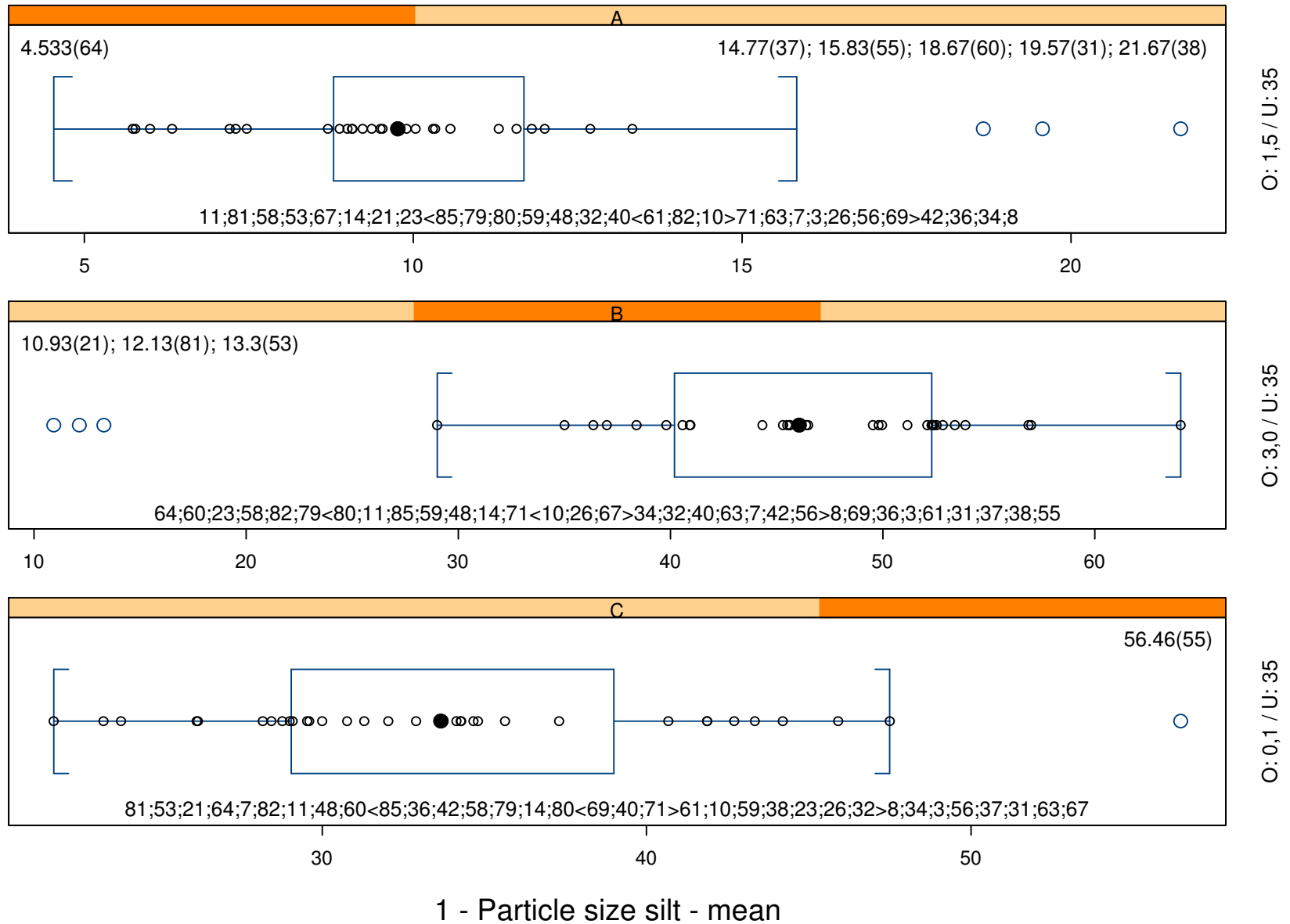
Histogram of the means of samples A, B and C



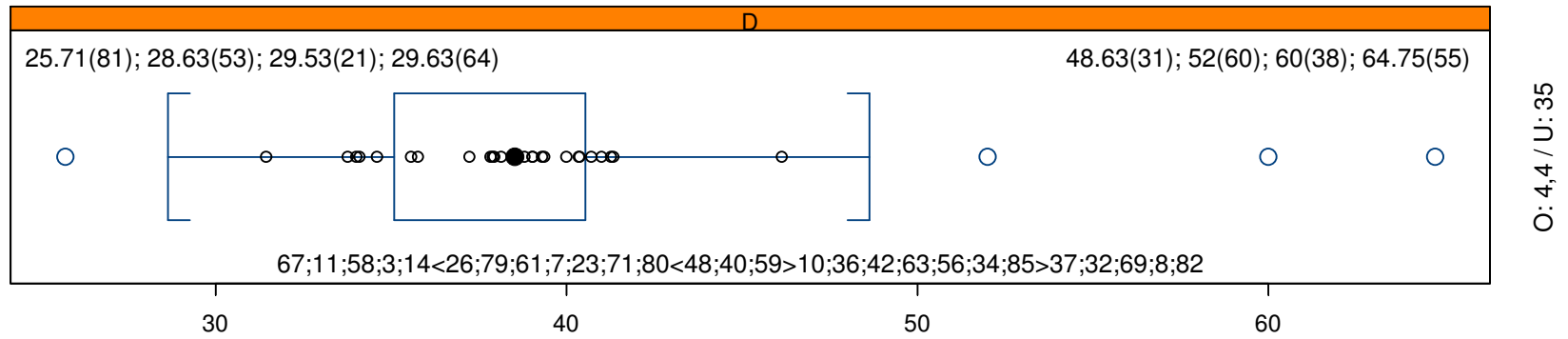
Histogram of the means of sample D



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

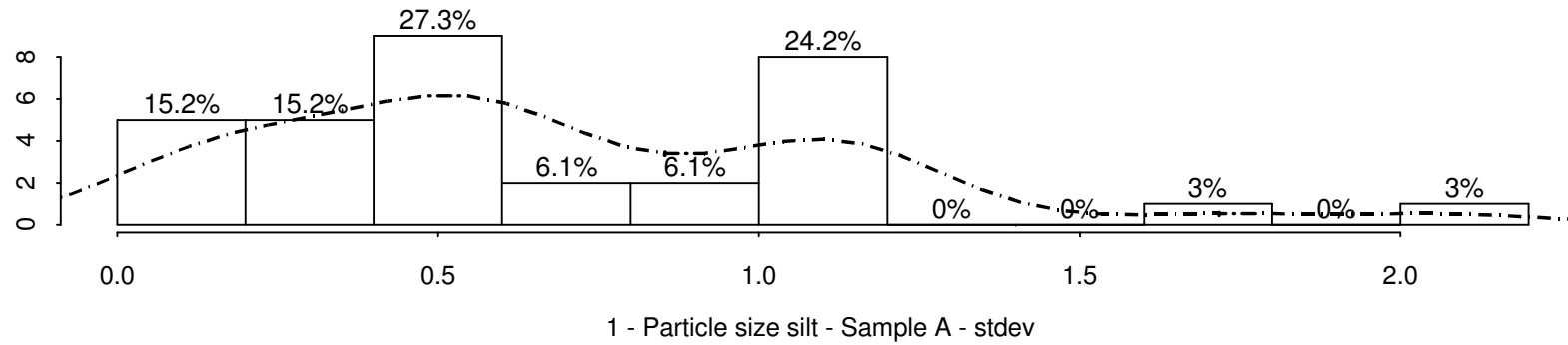


Box plot of the means of sample D

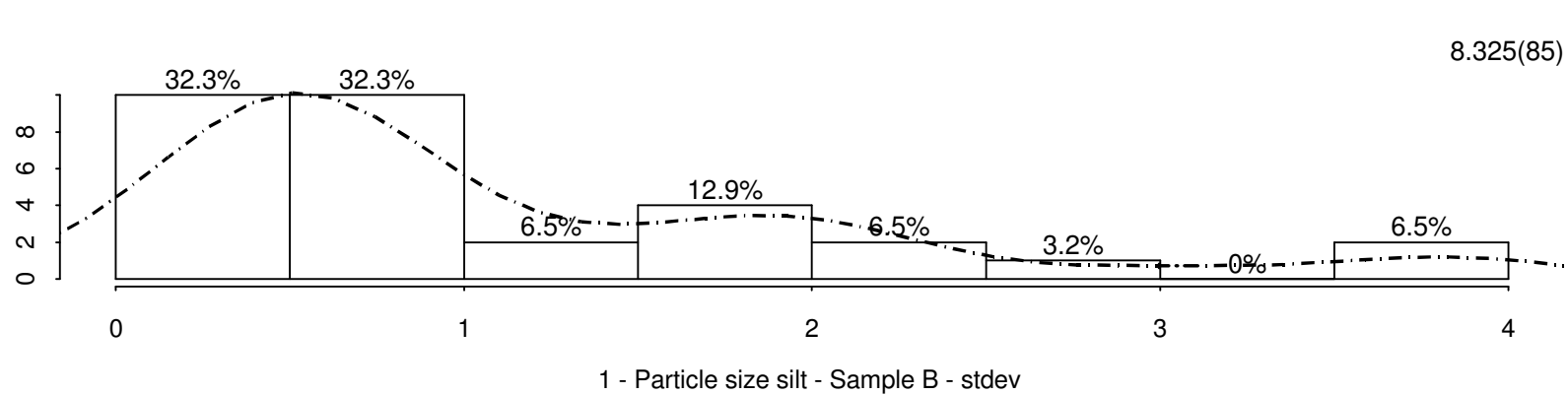


1 - Particle size silt - mean

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

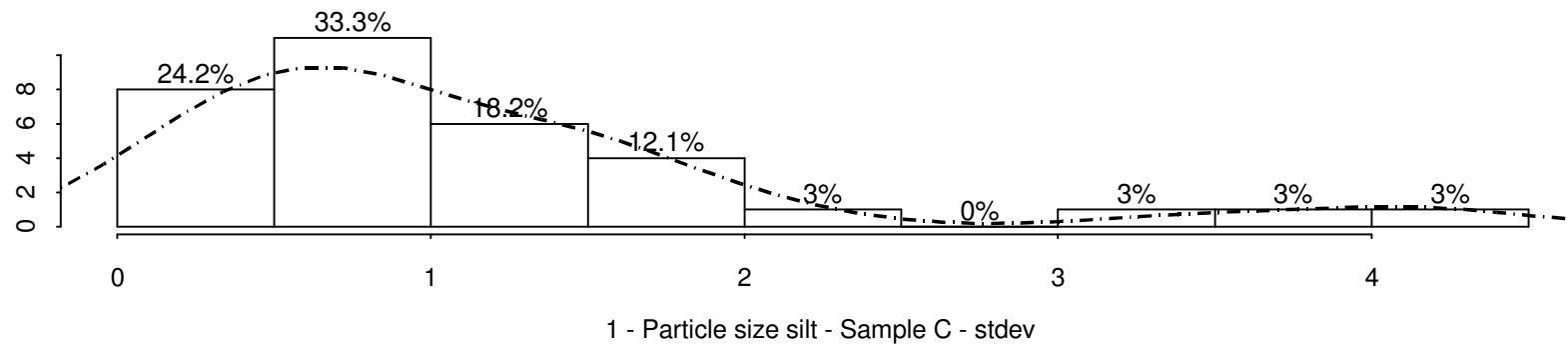


N: 33 NA: 0 Z: 0 E: 0 U: 33
a: 0.6941 m: 0.5774 s: 0.4714



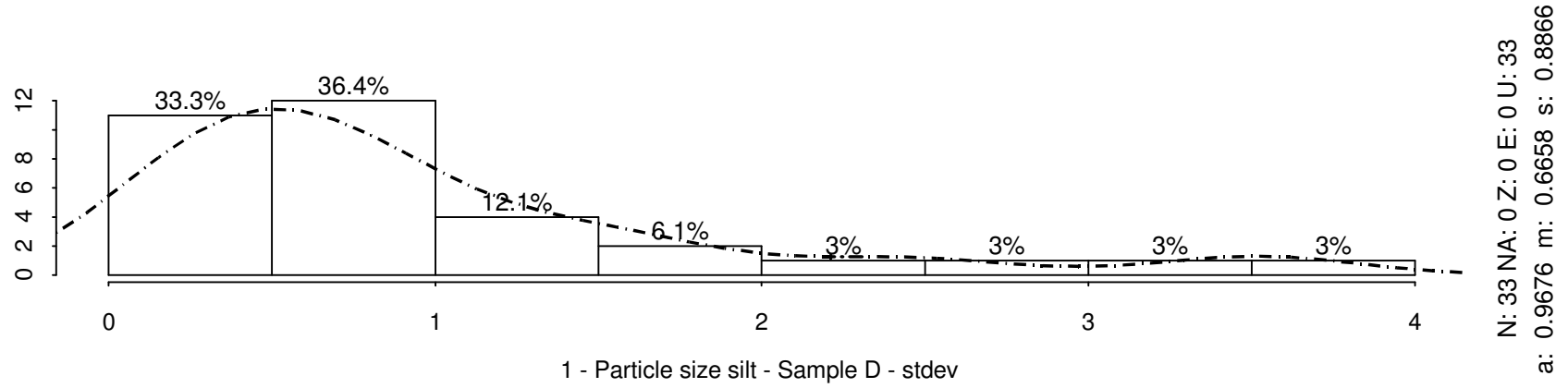
8.325(85)

N: 32 NA: 0 Z: 0 E: 0.1 U: 31
a: 1.357 m: 0.6503 s: 1.618

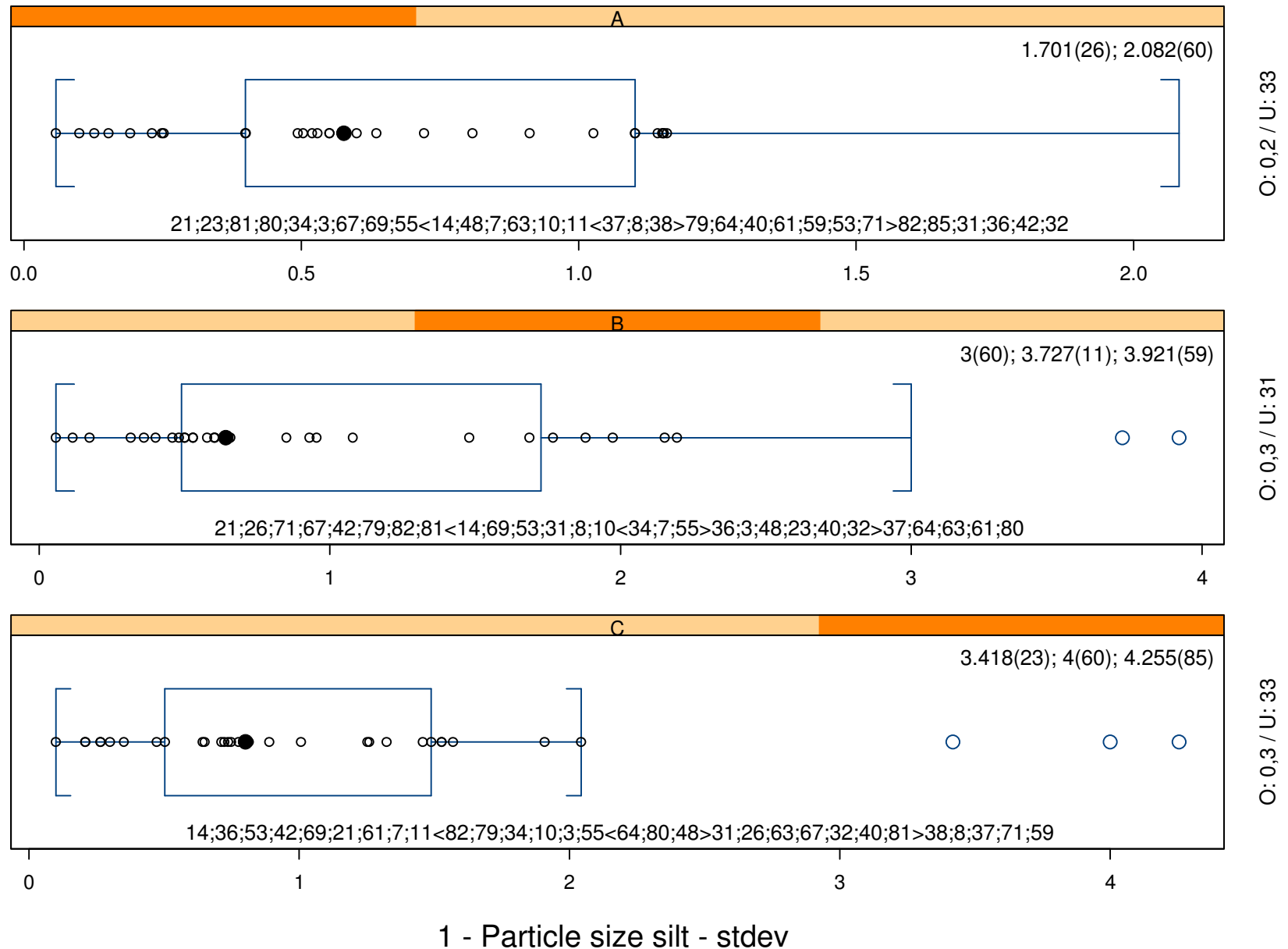


N: 33 NA: 0 Z: 0 E: 0 U: 33
a: 1.158 m: 0.8021 s: 1.021

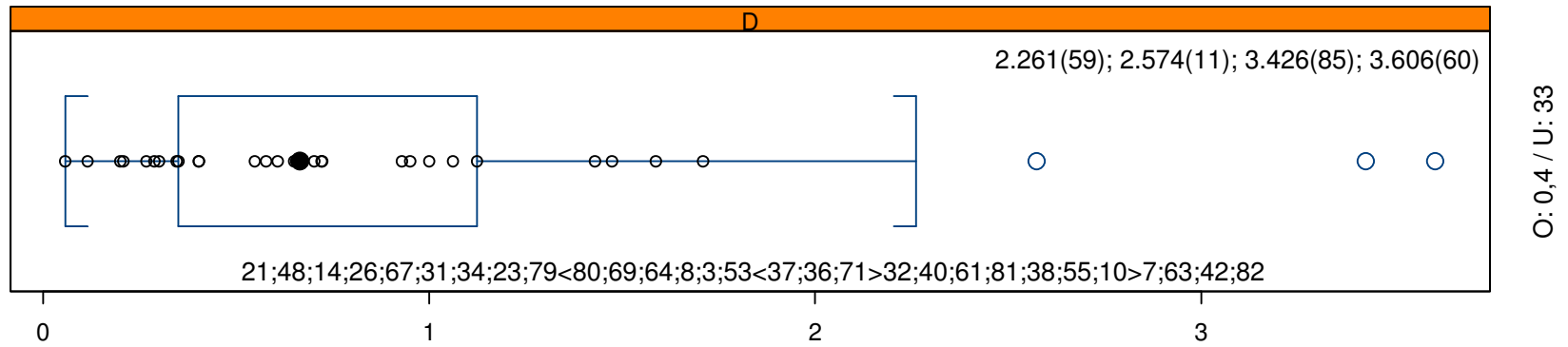
Histogram of the standard deviations of sample D



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



Box plot of the standard deviations of sample D

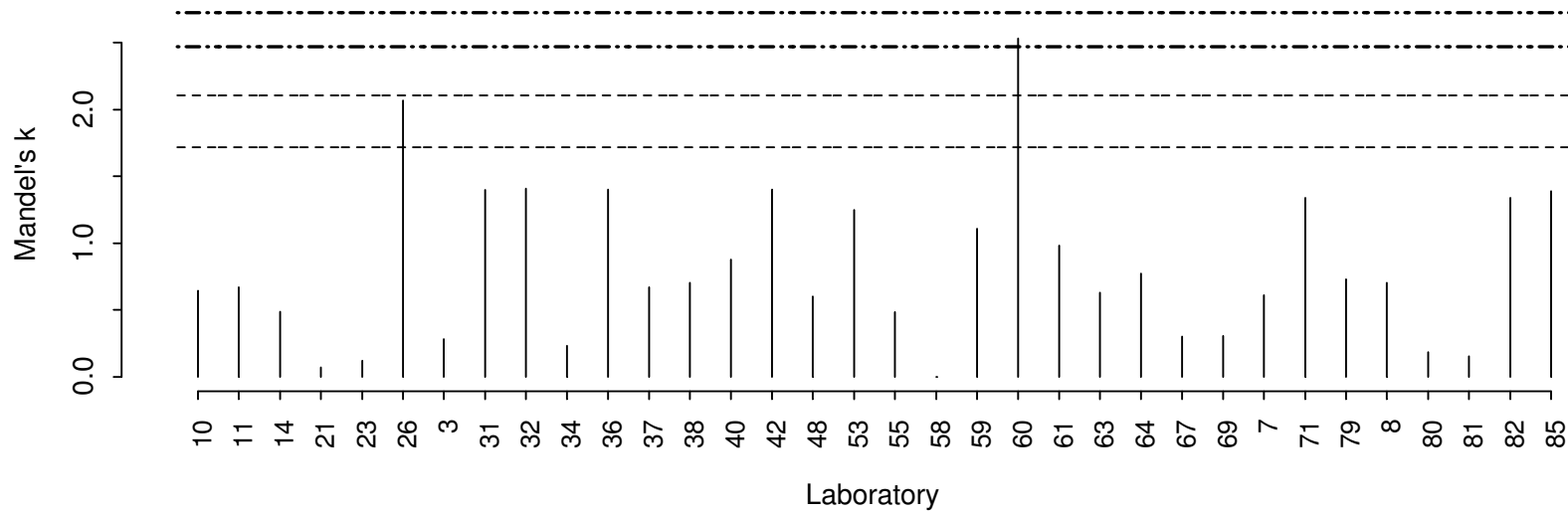
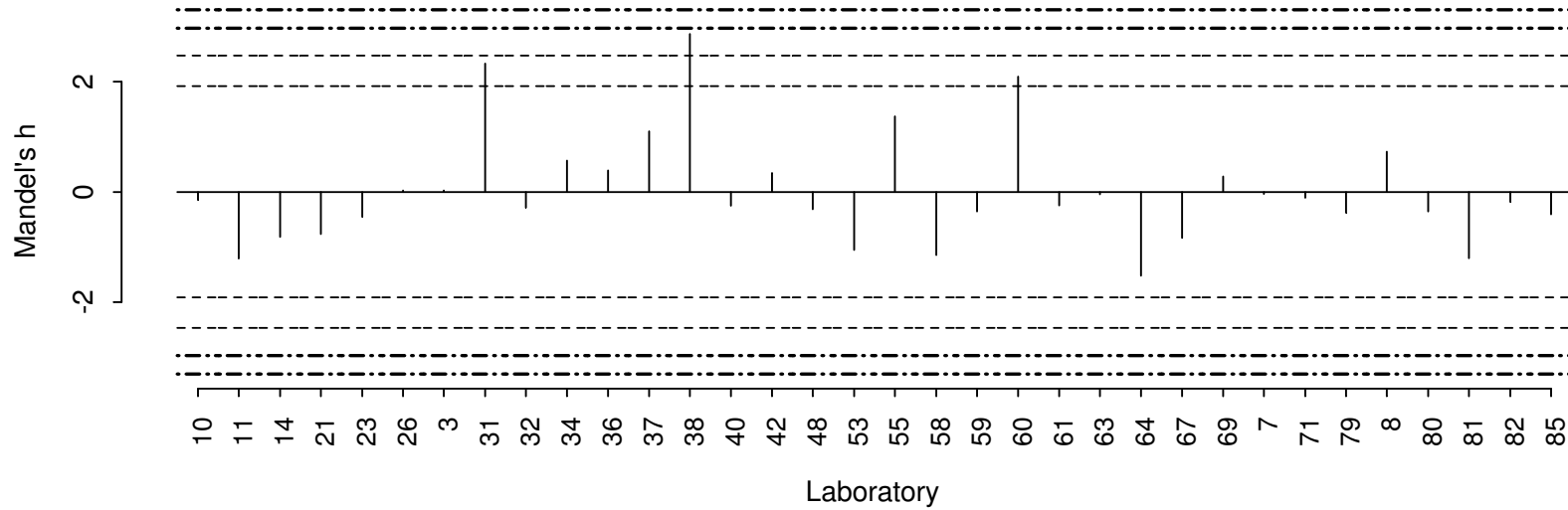


1 - Particle size silt - stdev

Mandel's h and k plot of sample A

1 - Particle size silt - sample A

Step:1; Nlab:34; Mgen:10.47; Fval:67.8; Pval:0; sRep:0.8227; sLab:3.882; sRpr:3.968; CV:37.89

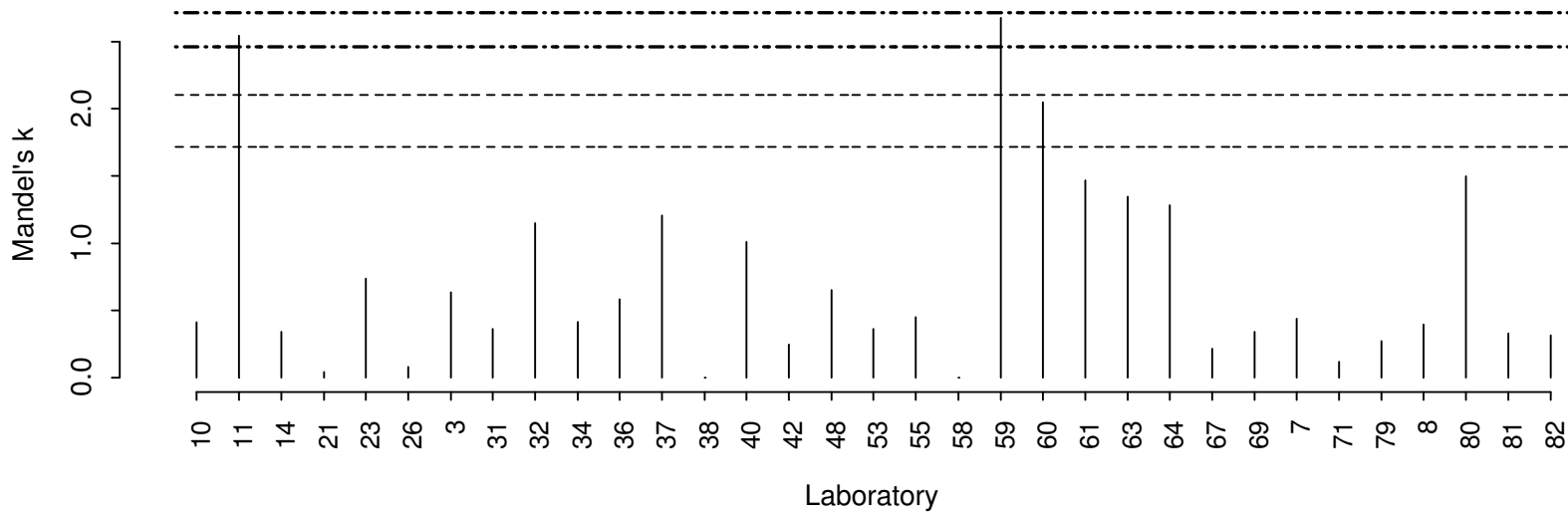
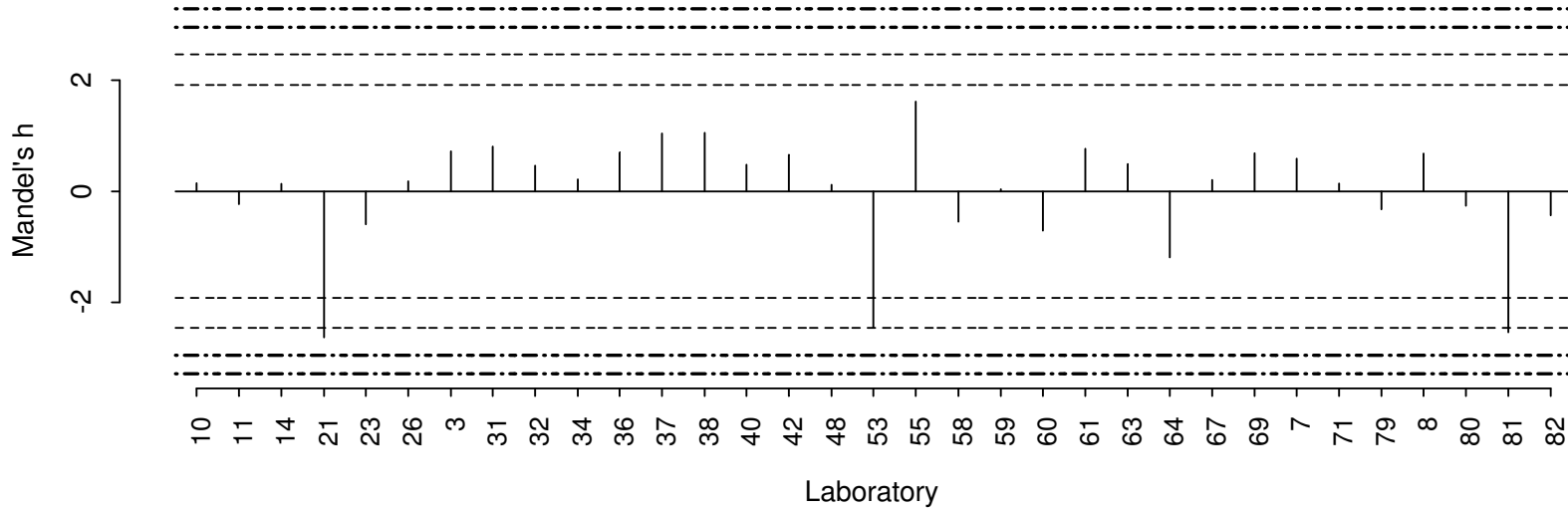


S: 60

Mandel's h and k plot of sample B

1 - Particle size silt - sample B

Step:2; Nlab:33; Mgen:43.84; Fval:218.1; Pval:0; sRep:1.465; sLab:12.46; sRpr:12.54; CV:28.62



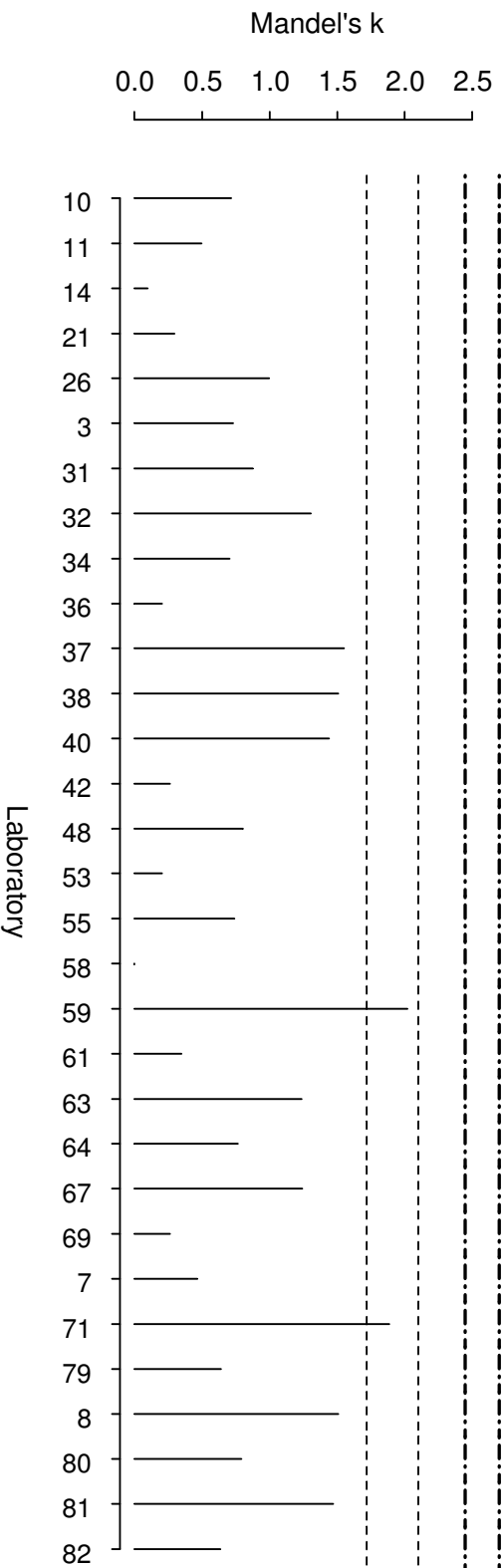
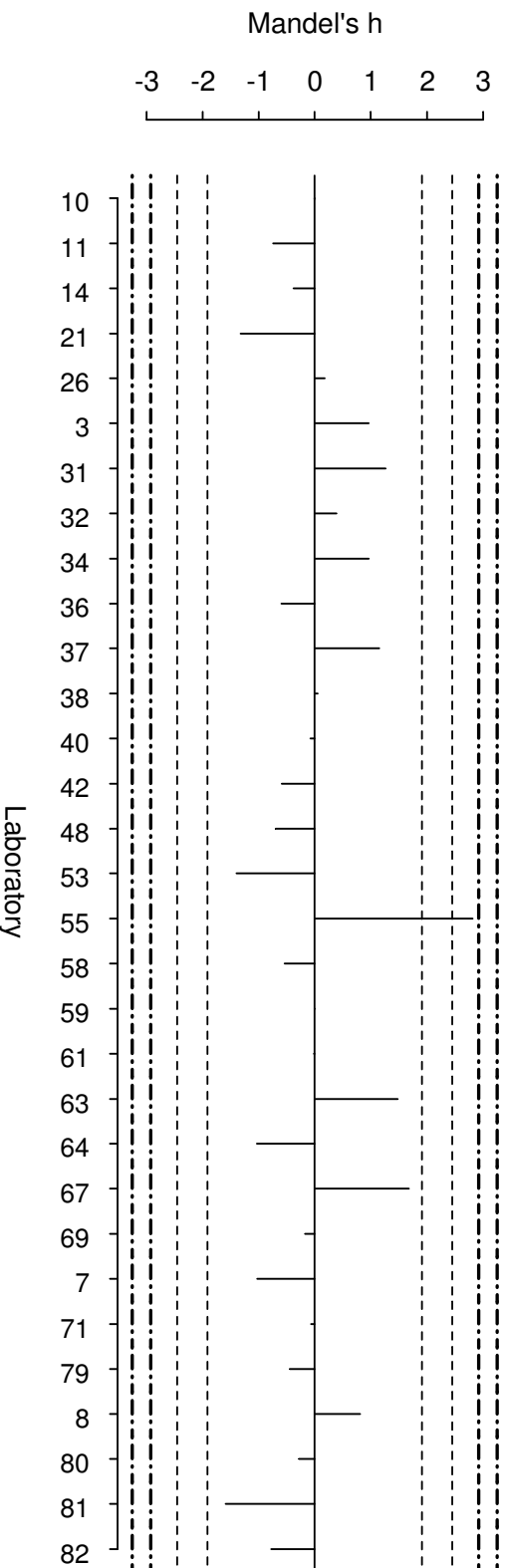
E: k85

S: 11,59

Mandel's h and k plot of sample C

1 - Particle size silt - sample C

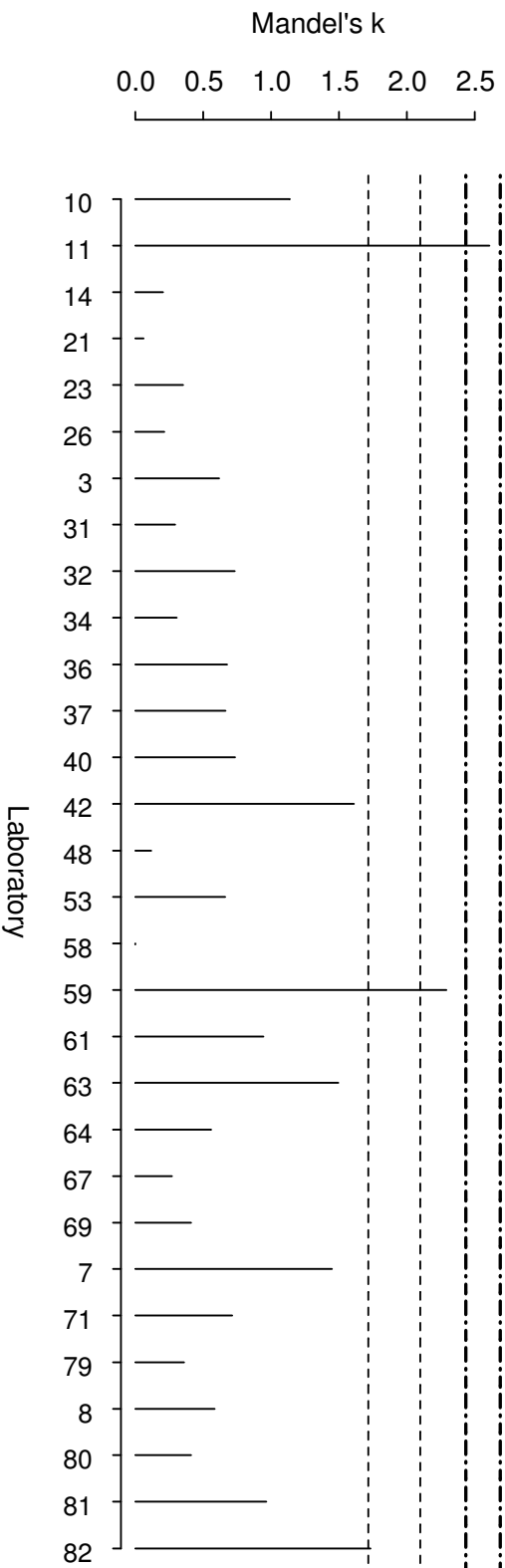
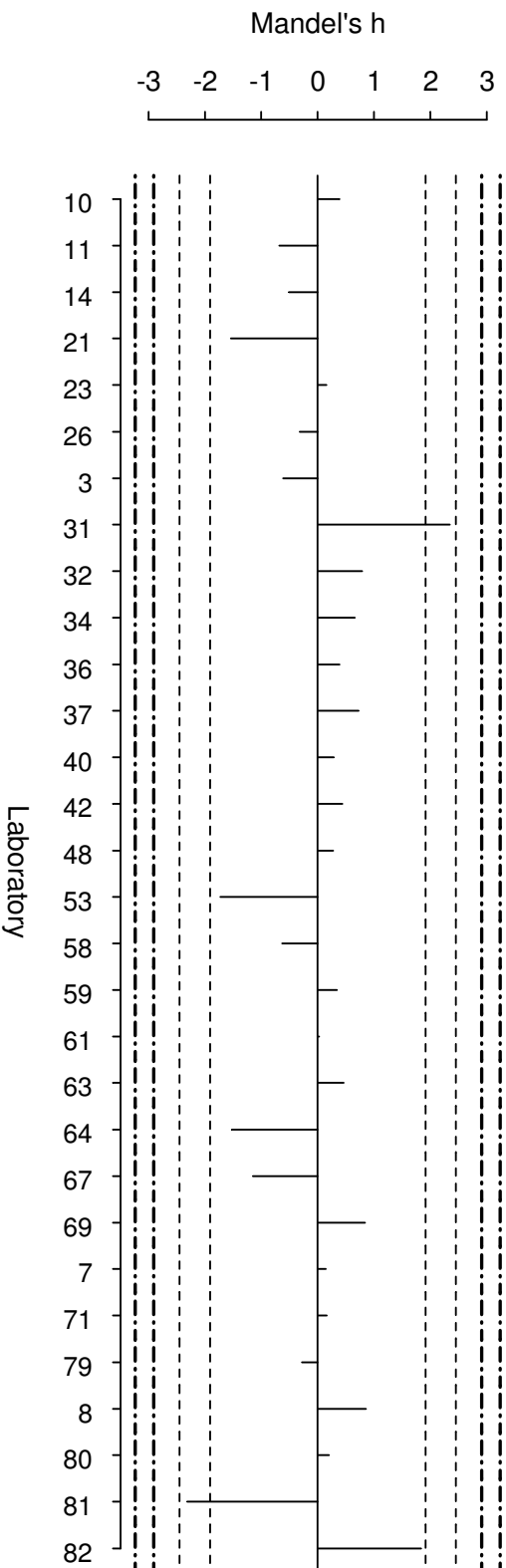
Step:4; Nlab:31; Mgen:34.26; Fval:181.7; Pval:0; sRep:1.013; slab:7.859; sRpr:7.924; CV:23.13



Mandel's h and k plot of sample D

1 - Particle size silt - sample D

Step:4; Nlab:30; Mgen:37.12; Fval:74.69; Pval:0; sRep:0.9863; sLab:4.888; sRpr:4.987; CV:13.43



S: 11

E: k60;h55;k85;h38