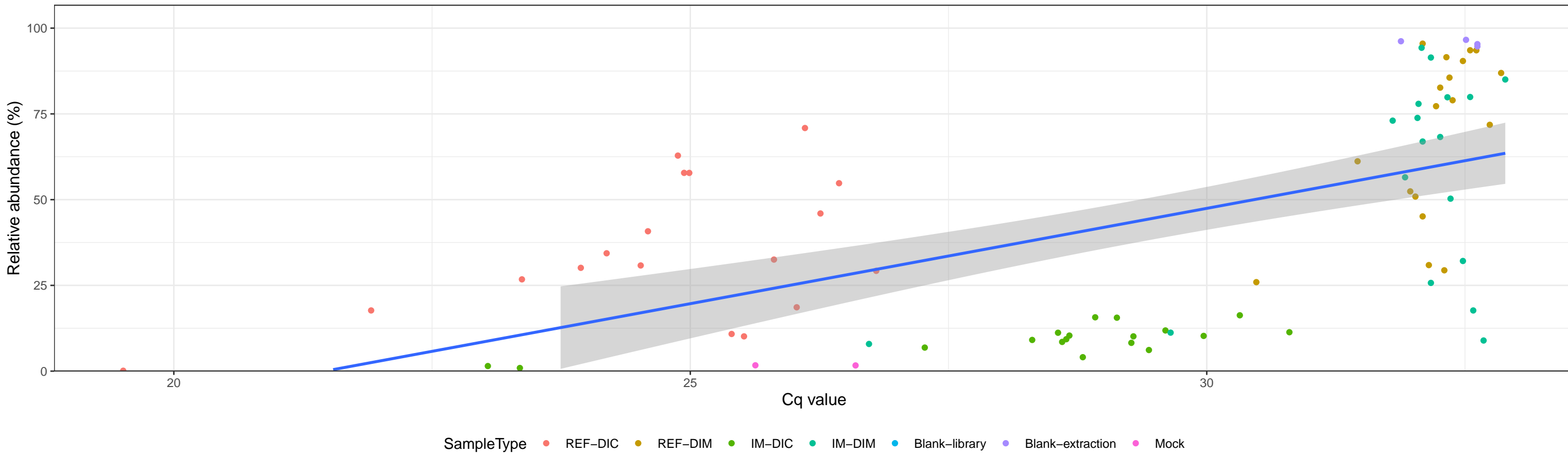
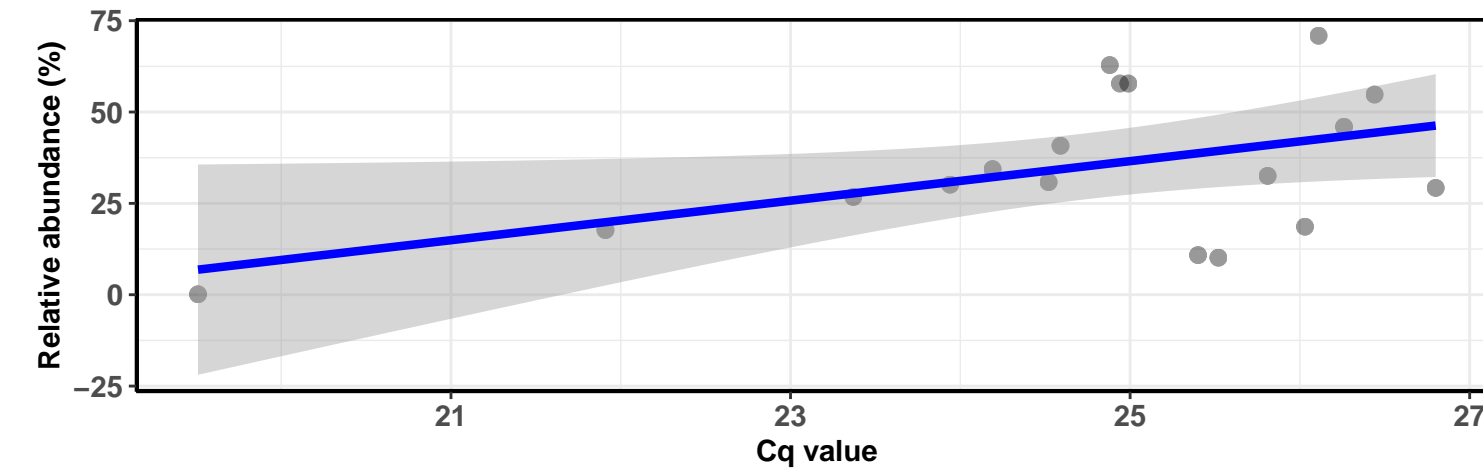


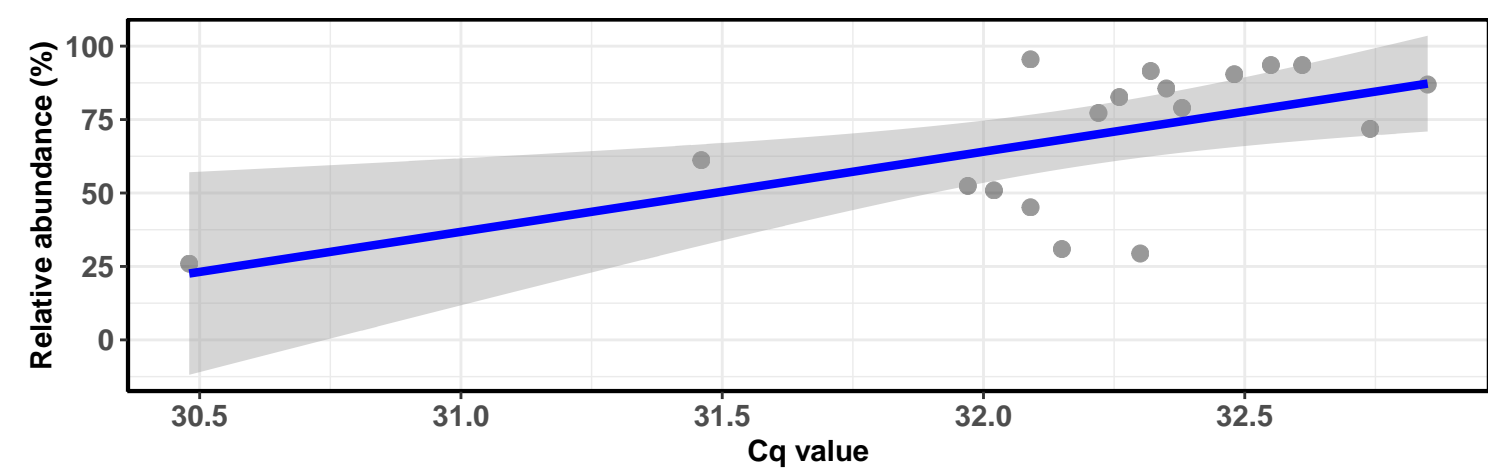
Correlation with all samples



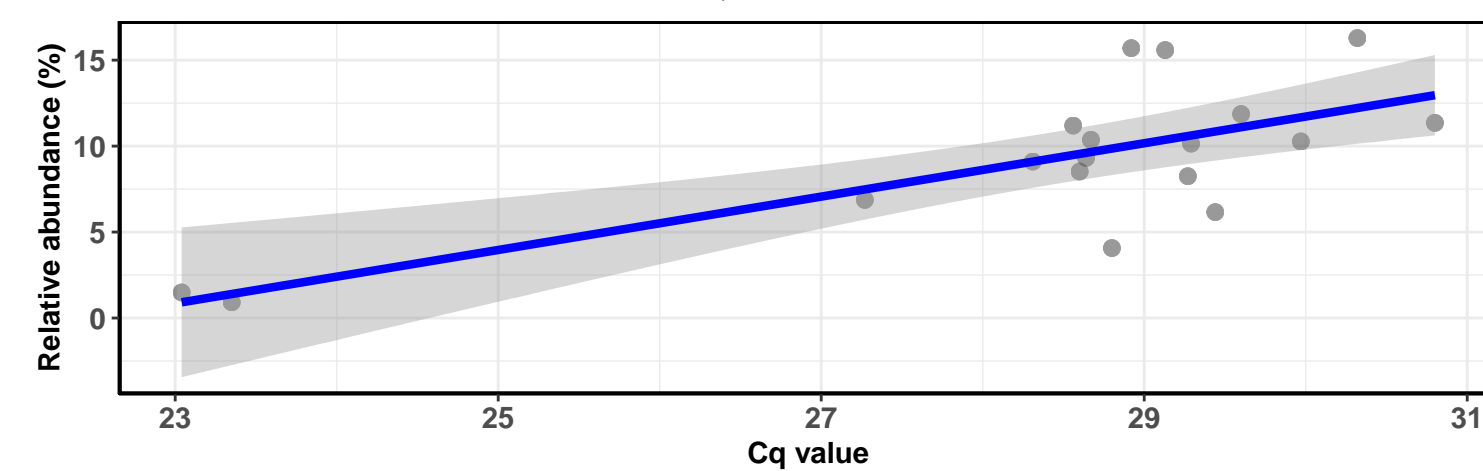
Correlation within the sample type: REF-DIC

 $\log_e(S) = 6.486$, $p = 0.191$, $\rho_{\text{Spearman}} = 0.323$, $CI_{95\%} [-0.169, 0.686]$, $n = 18$ 

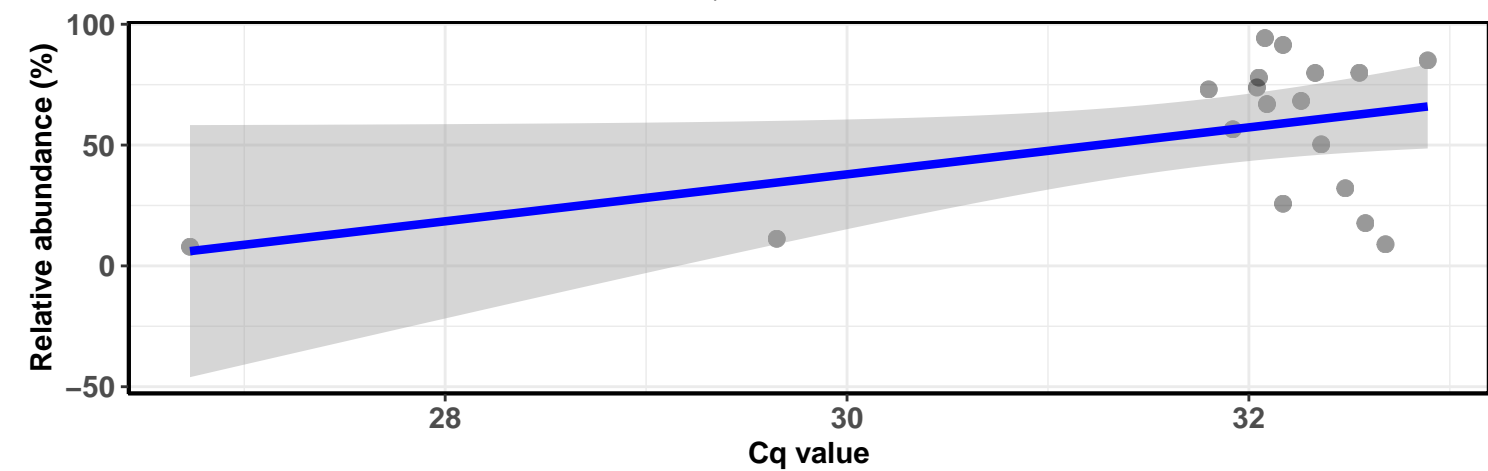
Correlation within the sample type: REF-DIM

 $\log_e(S) = 6.025$, $p = 0.013$, $\rho_{\text{Spearman}} = 0.573$, $CI_{95\%} [0.145, 0.820]$, $n = 18$ 

Correlation within the sample type: IM-DIC

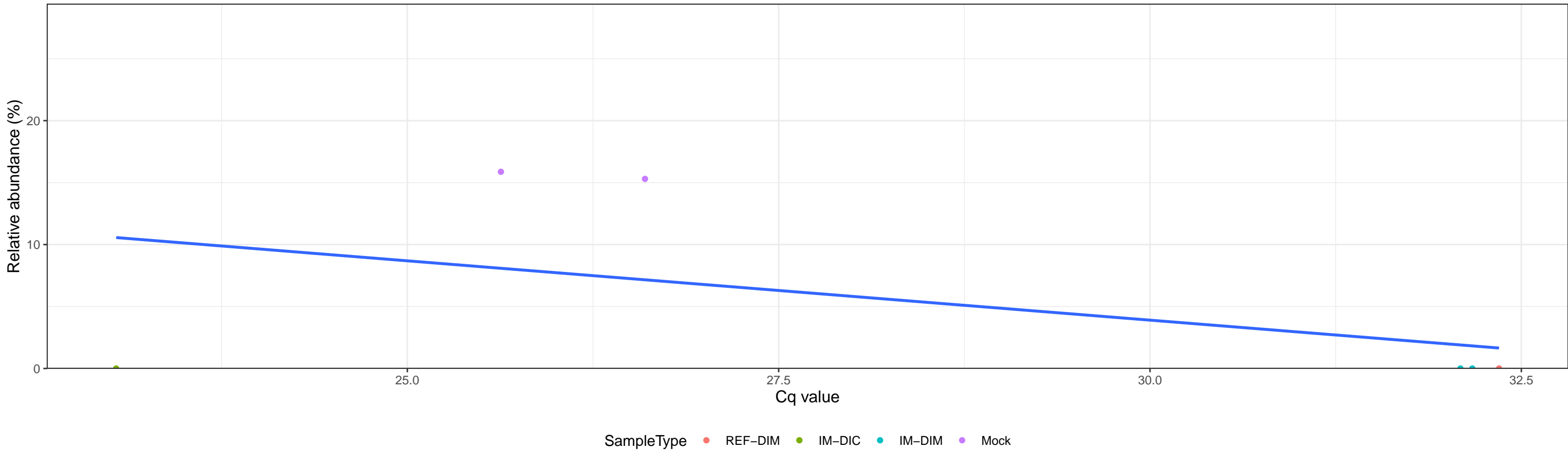
 $\log_e(S) = 6.001$, $p = 0.011$, $\rho_{\text{Spearman}} = 0.583$, $CI_{95\%} [0.160, 0.825]$, $n = 18$ 

Correlation within the sample type: IM-DIM

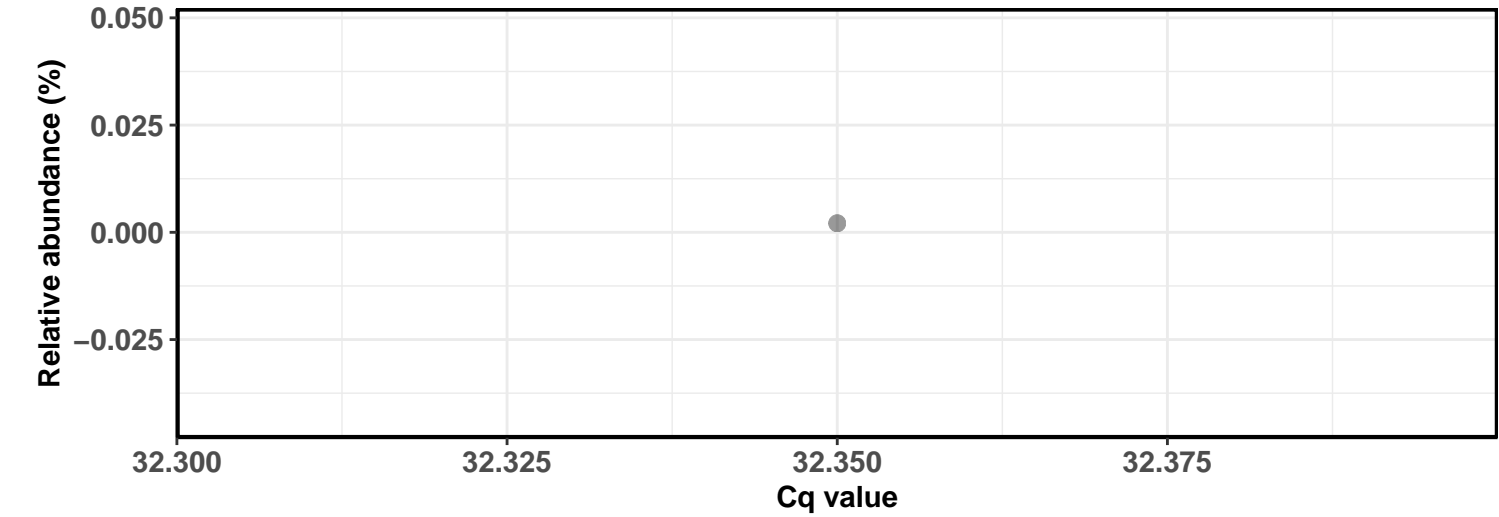
 $\log_e(S) = 6.752$, $p = 0.645$, $\rho_{\text{Spearman}} = 0.117$, $CI_{95\%} [-0.370, 0.553]$, $n = 18$ 

D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Enterobacteriales; D_4__Enterobacteriaceae; D_5__Salmonella

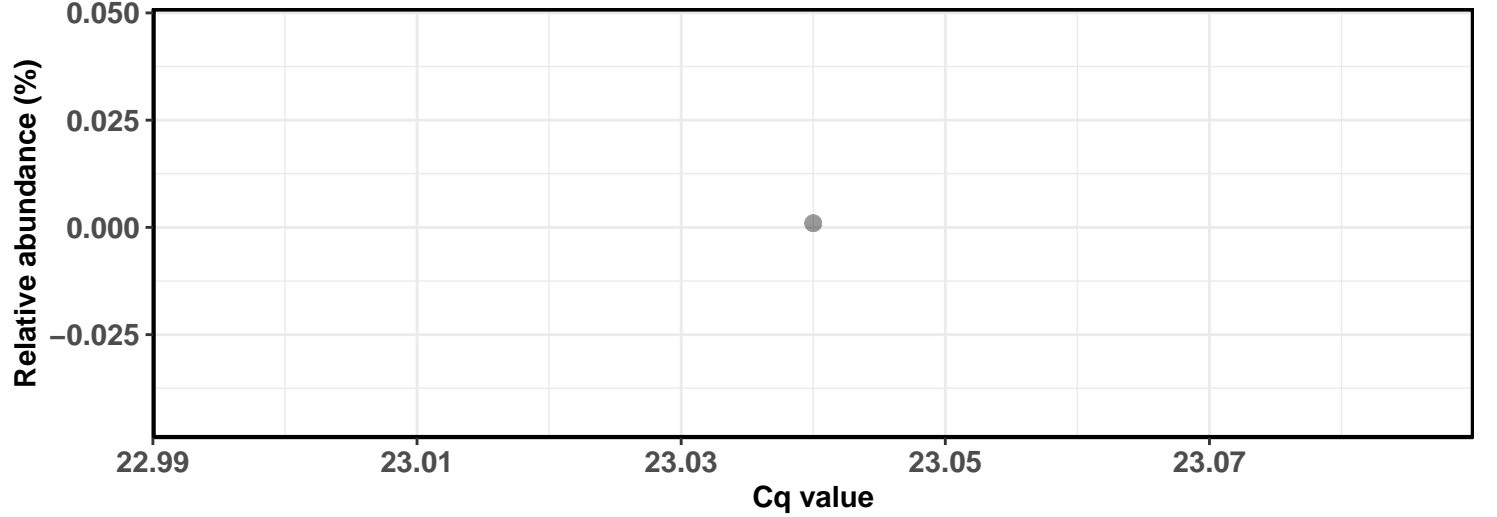
Correlation with all samples



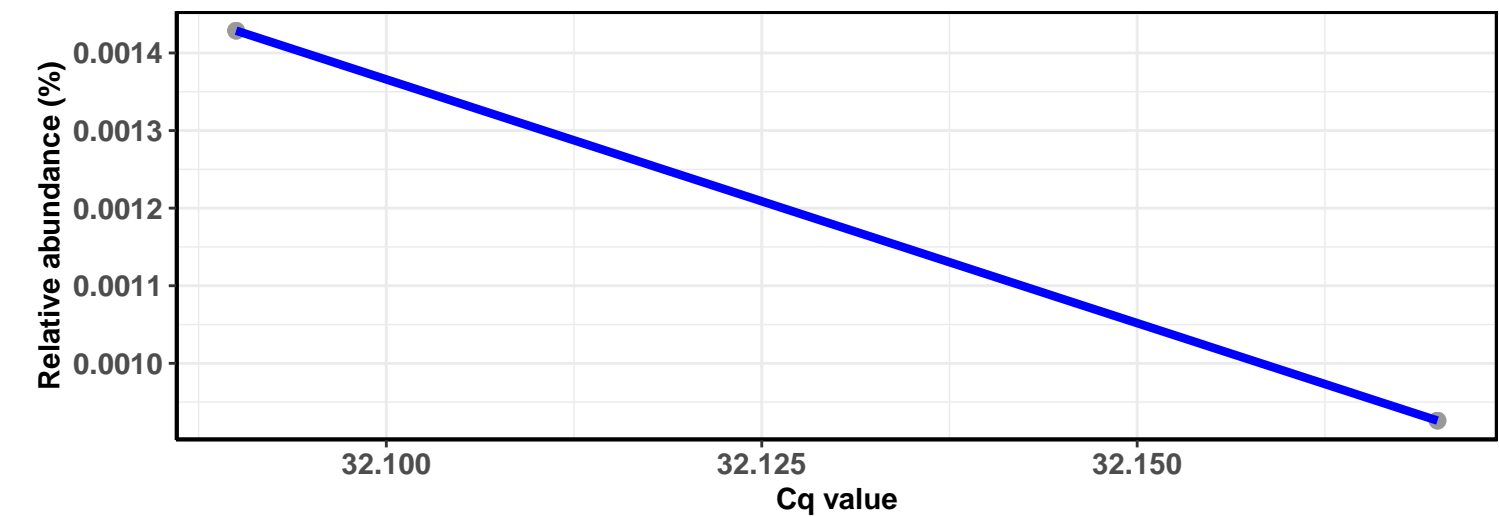
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

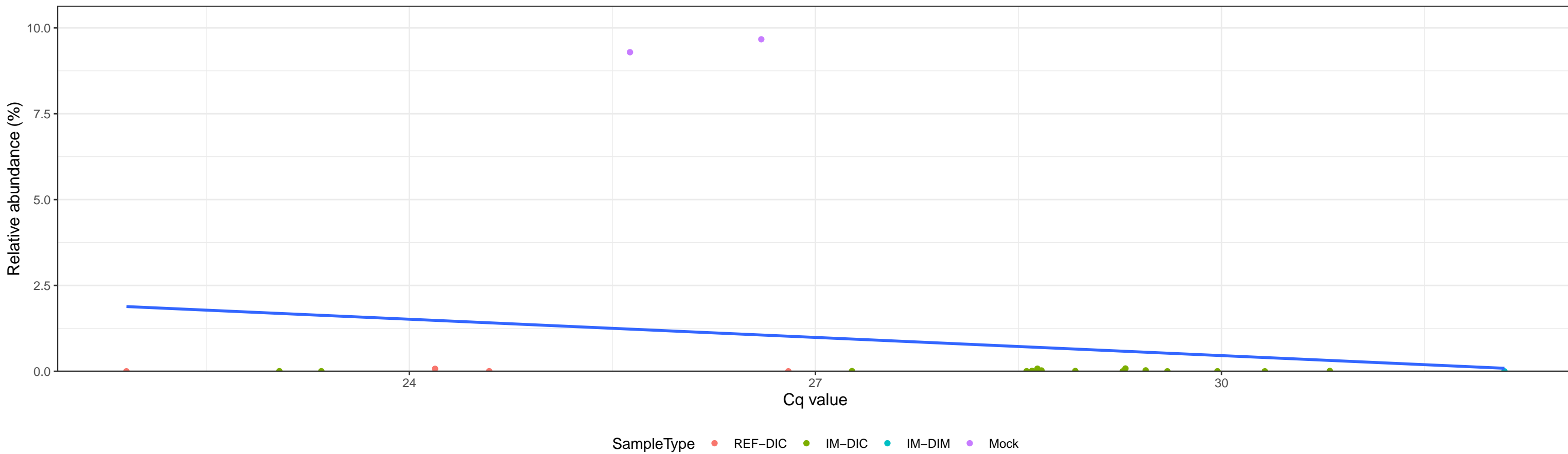


Correlation within the sample type: IM-DIM

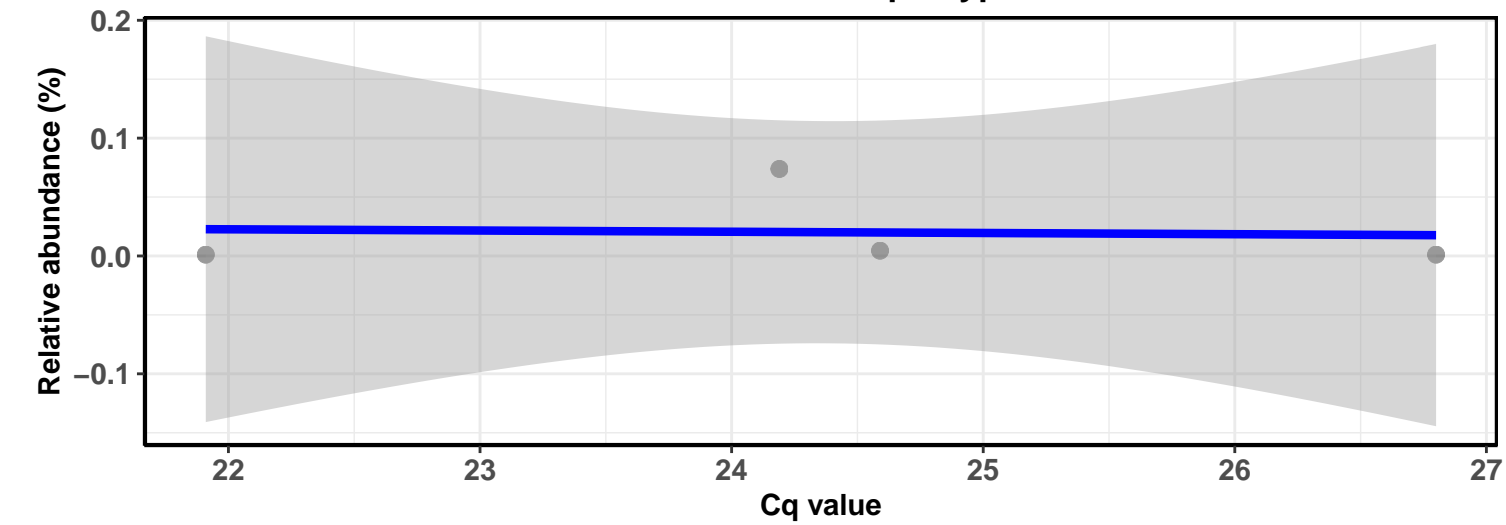


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Enterobacteriales; D_4__Enterobacteriaceae; D_5__Escherichia-Shigella

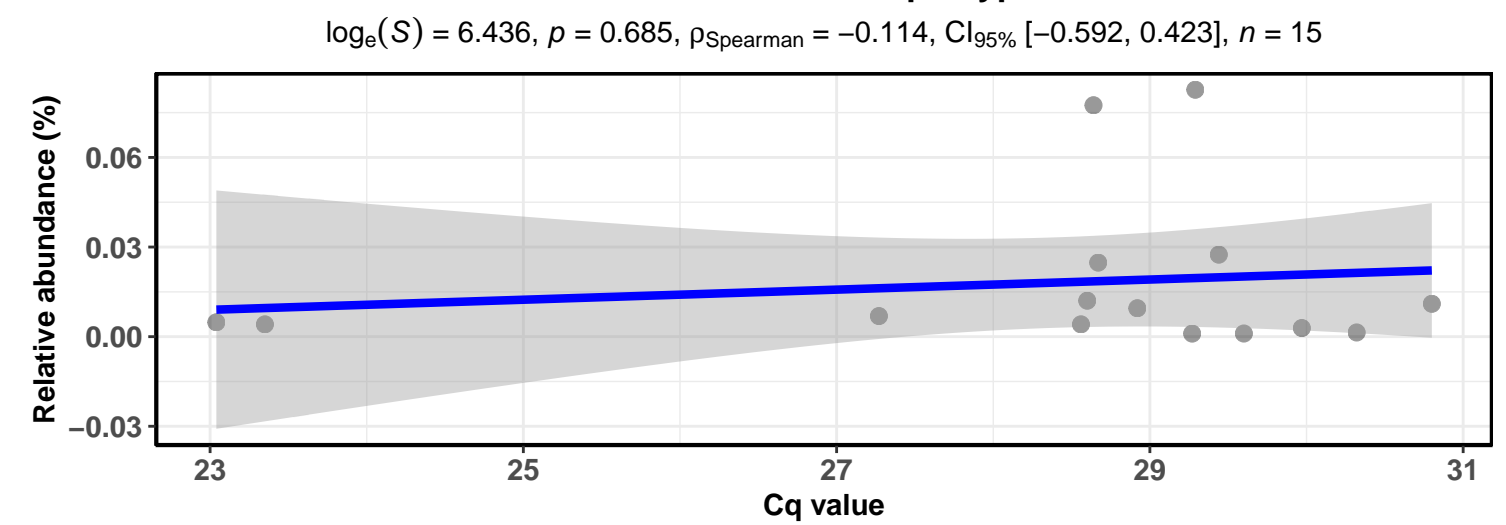
Correlation with all samples



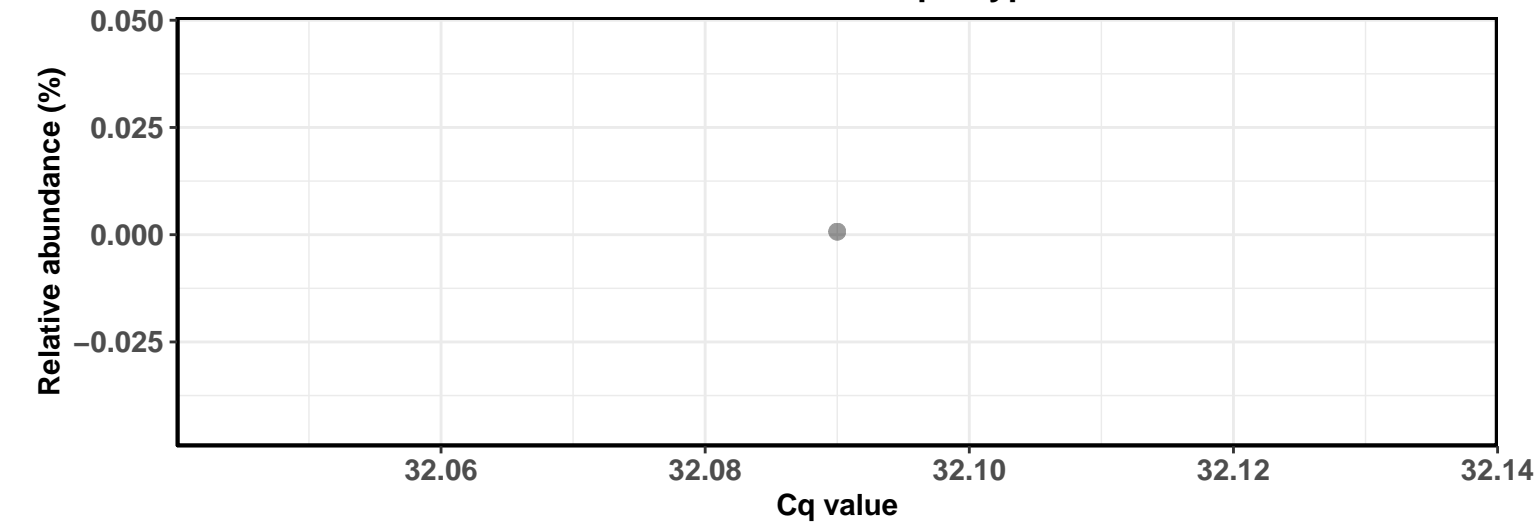
Correlation within the sample type: REF-DIC



Correlation within the sample type: IM-DIC

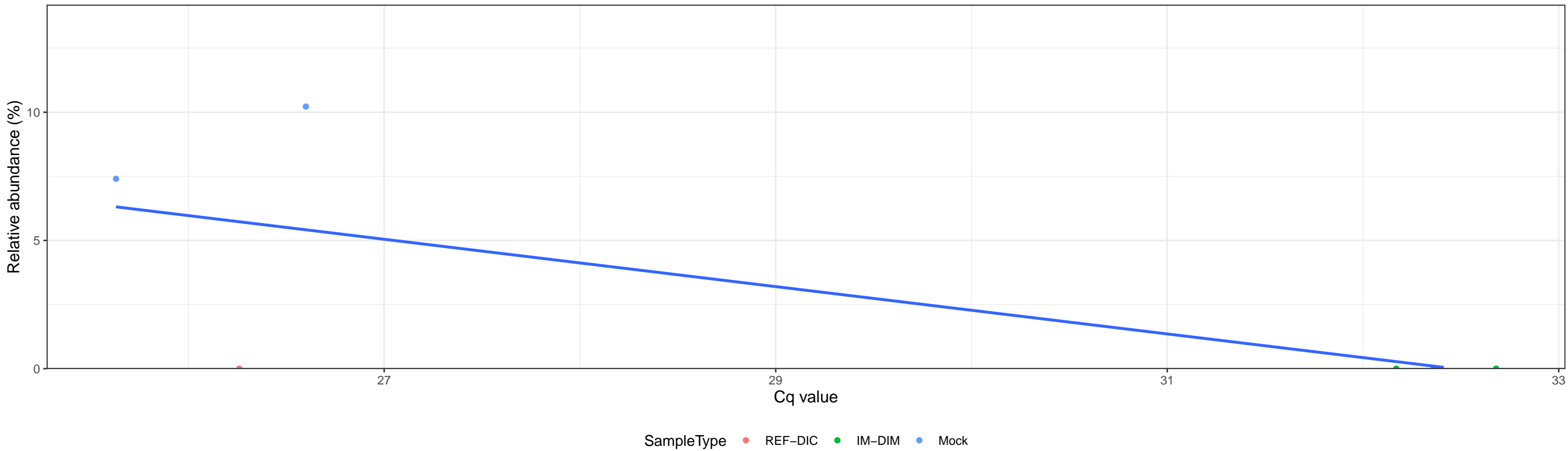


Correlation within the sample type: IM-DIM

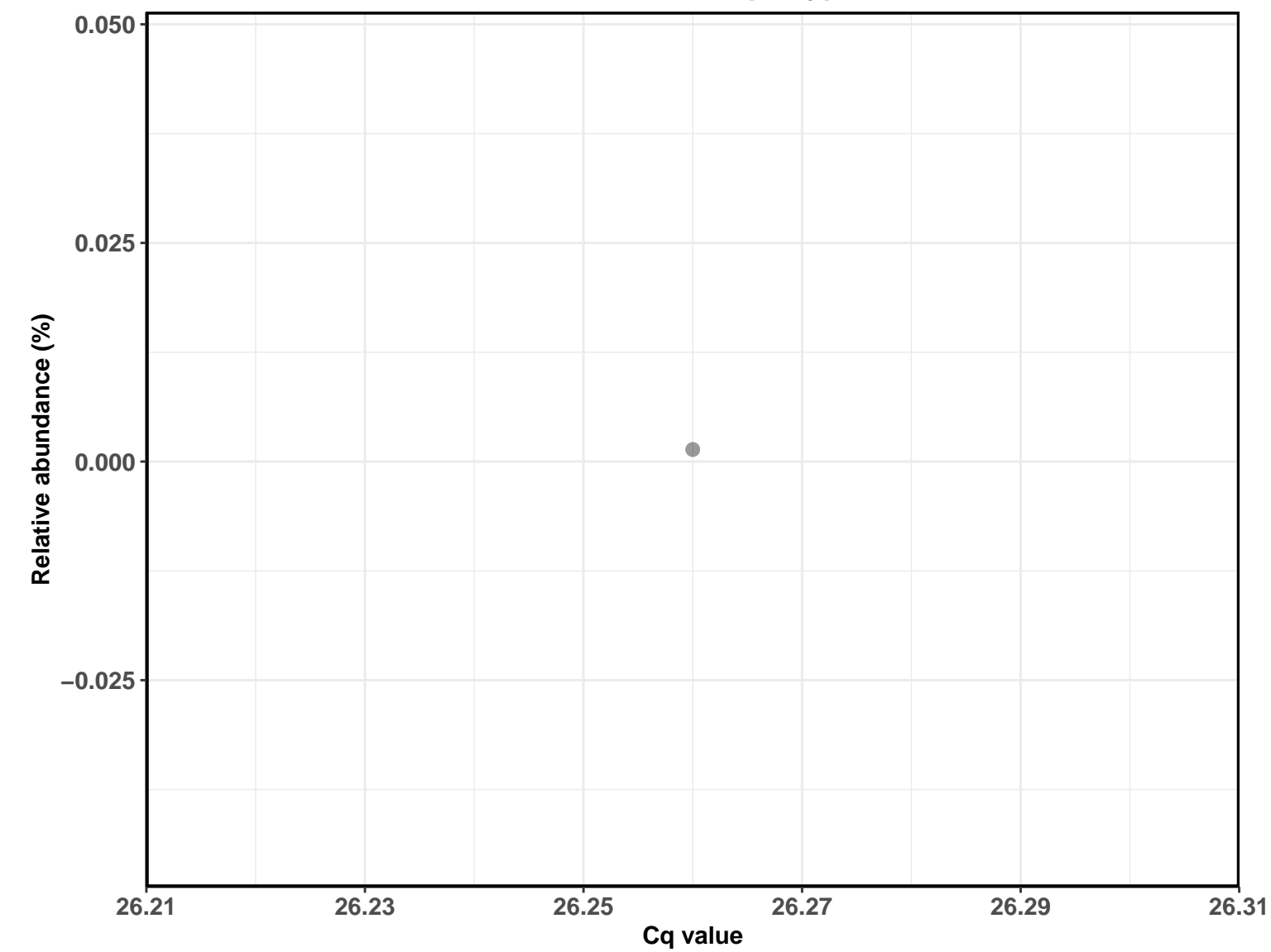


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Bacillus

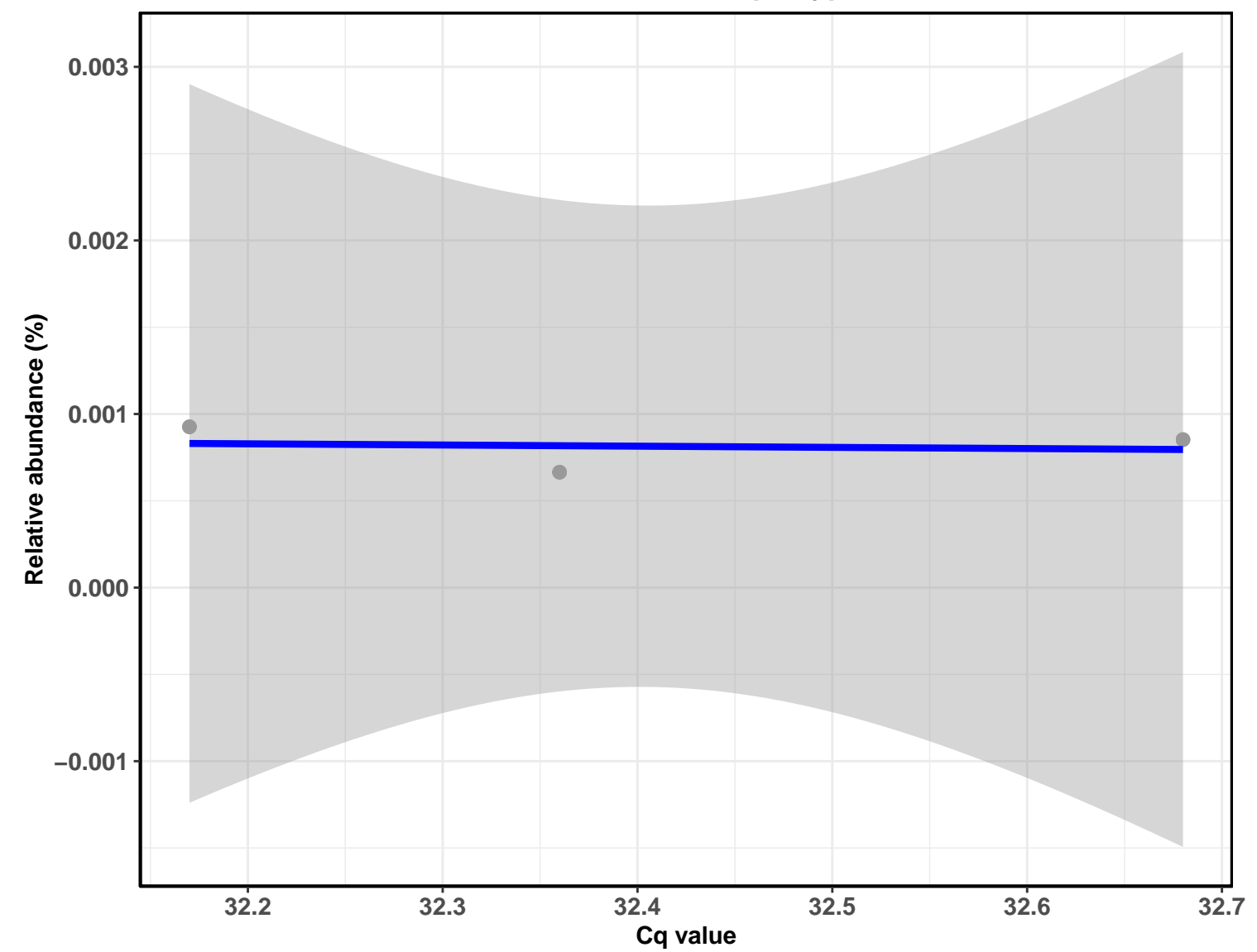
Correlation with all samples



Correlation within the sample type: REF-DIC

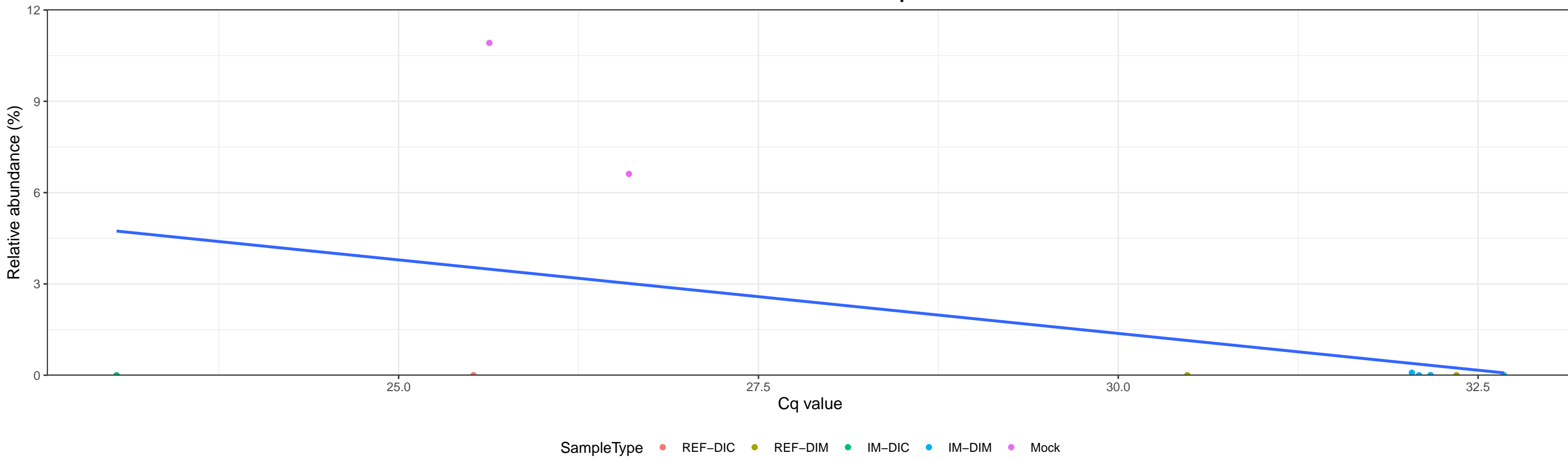


Correlation within the sample type: IM-DIM

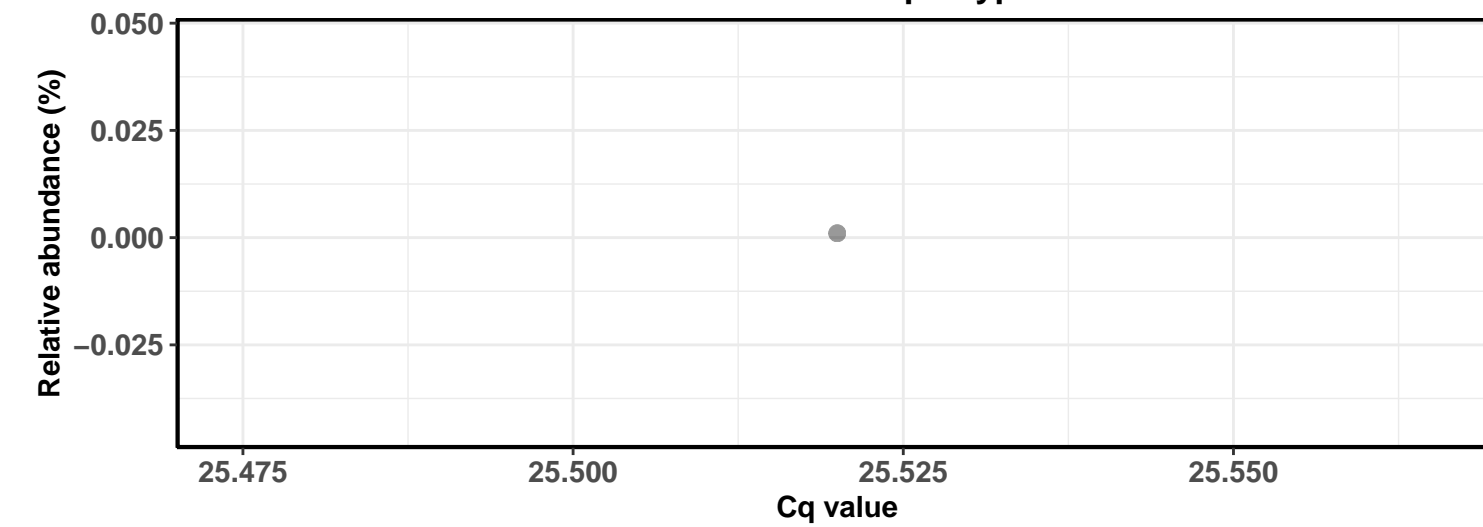


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

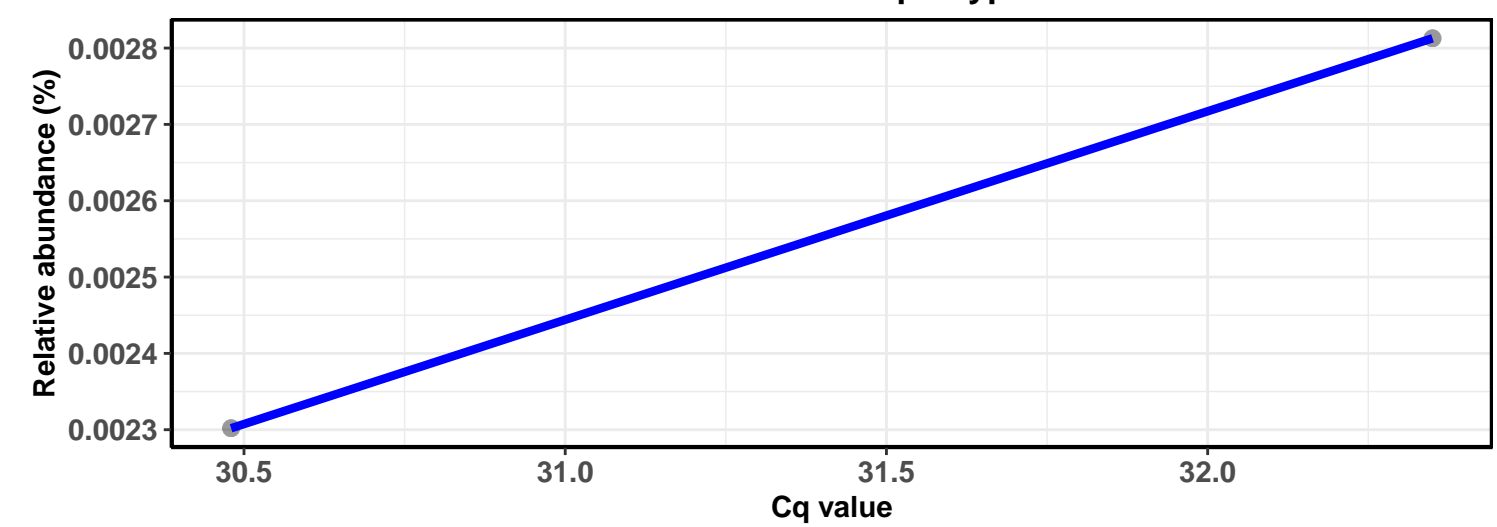
Correlation with all samples



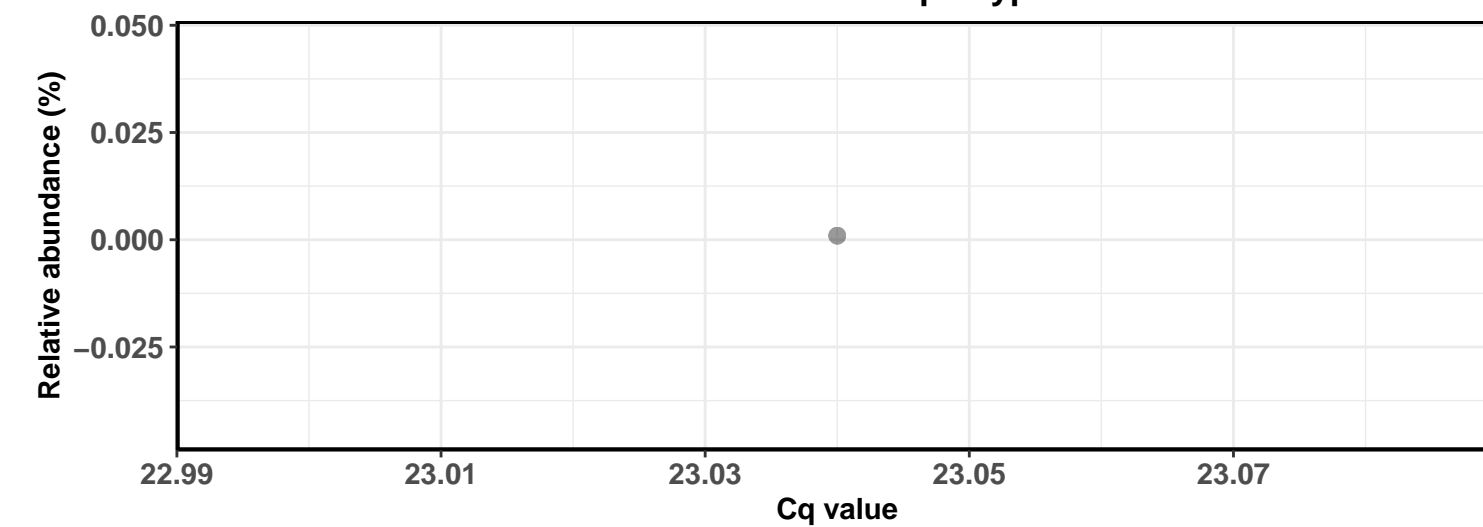
Correlation within the sample type: REF-DIC



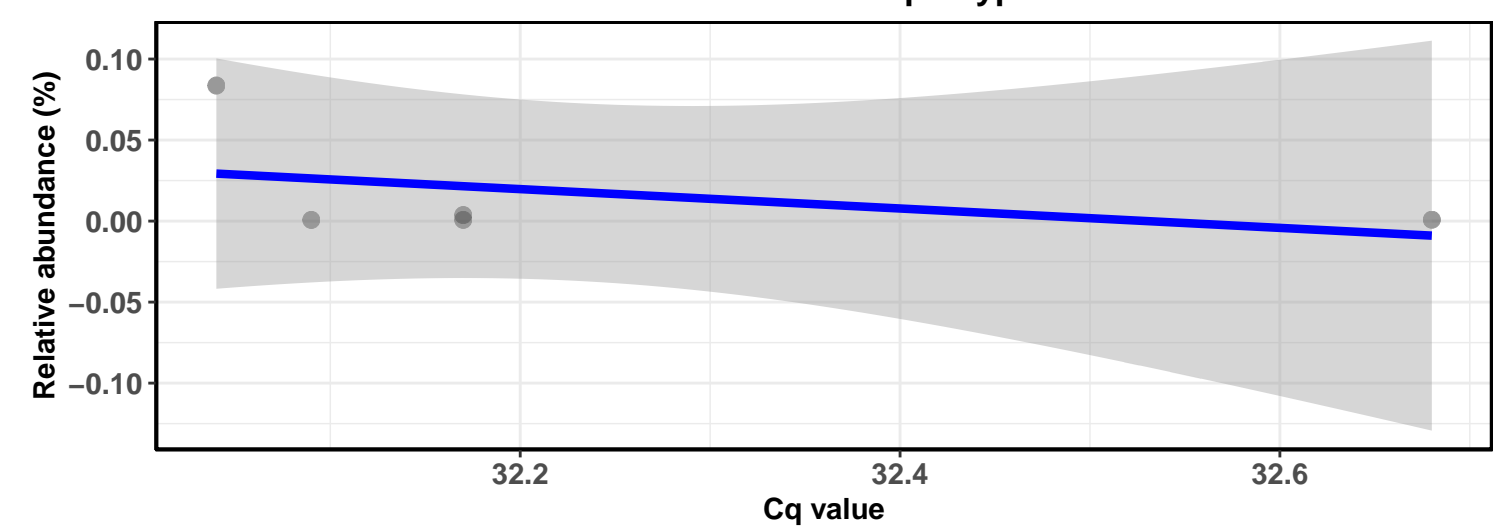
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

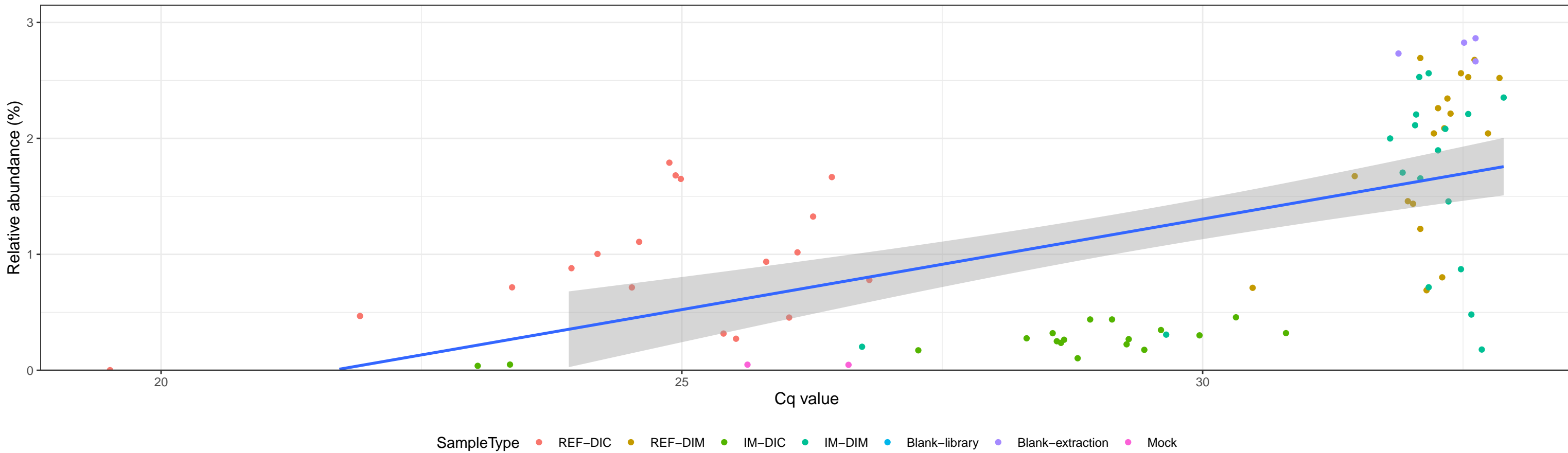


Correlation within the sample type: IM-DIM



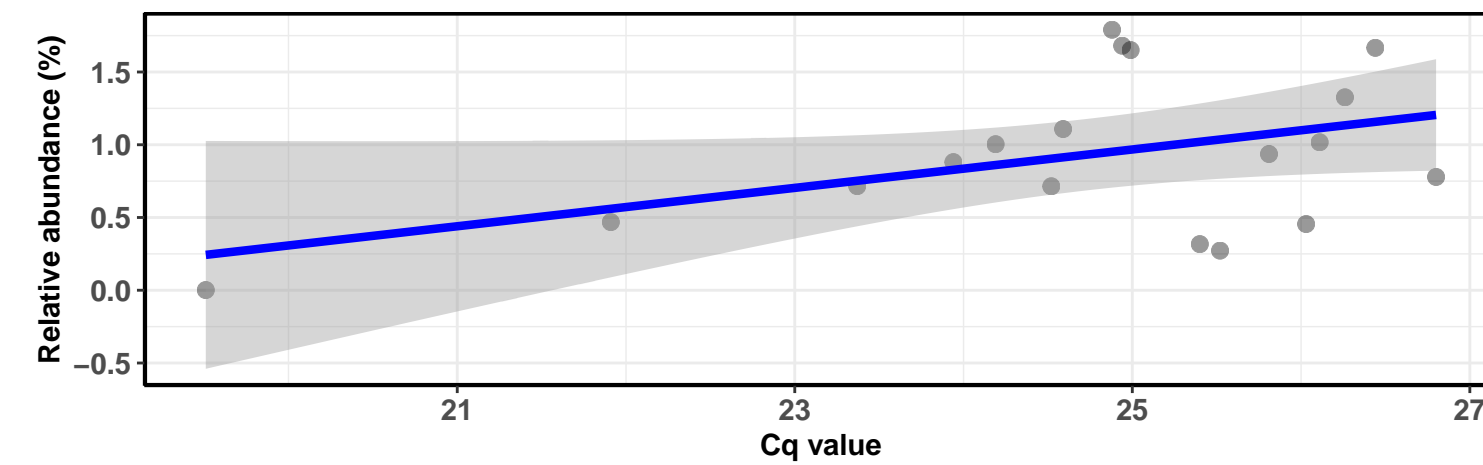
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



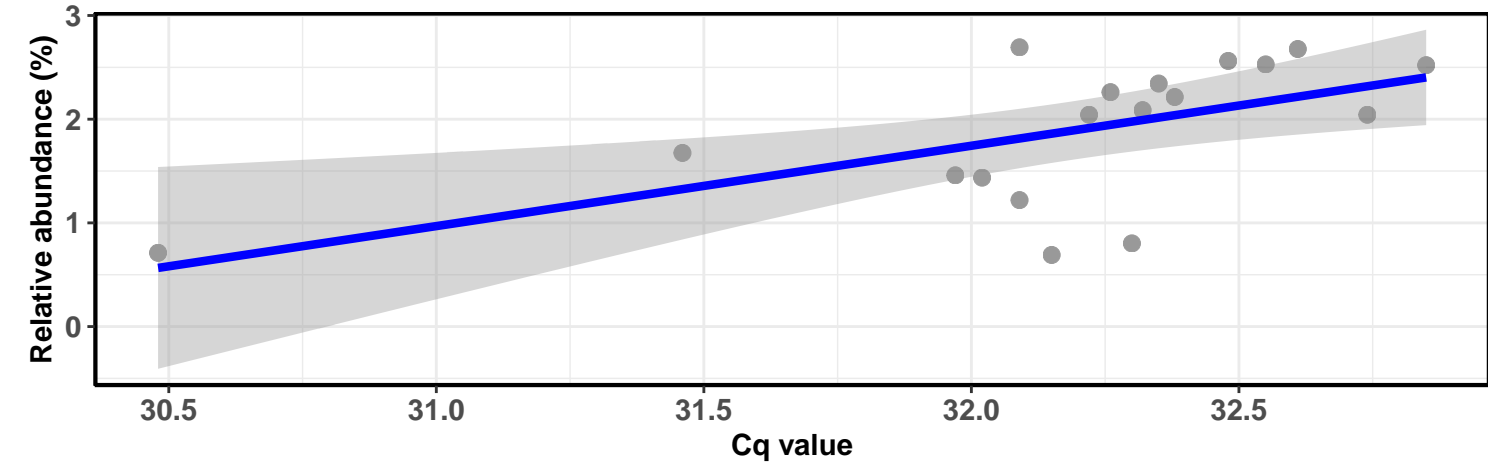
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.548$, $p = 0.261$, $\rho_{\text{Spearman}} = 0.280$, $\text{CI}_{95\%} [-0.215, 0.660]$, $n = 18$



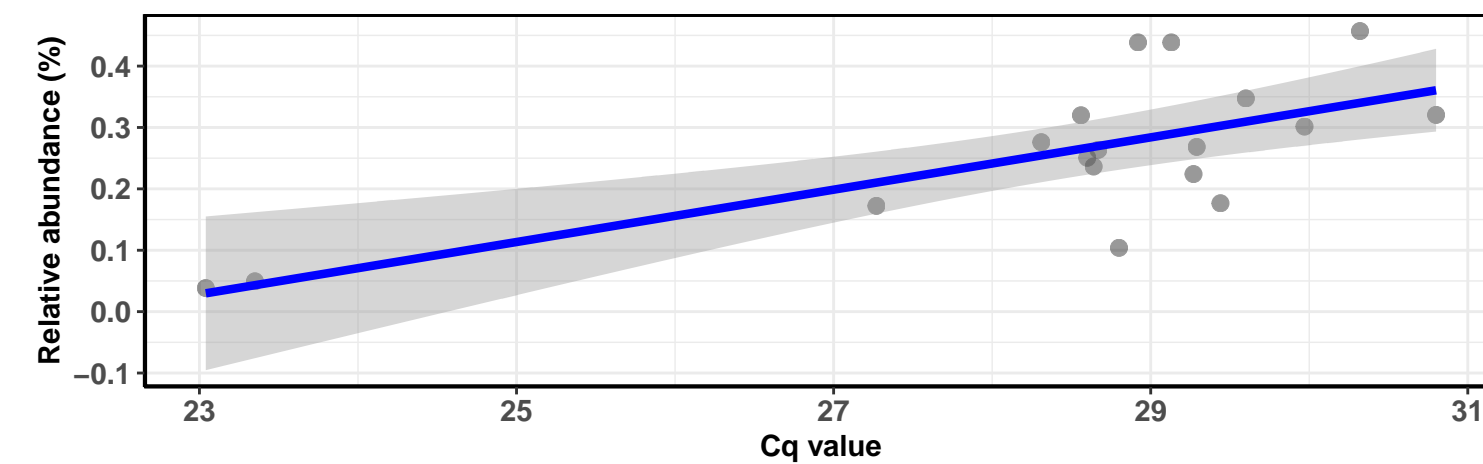
Correlation within the sample type: REF-DIM

$\log_e(S) = 5.986$, $p = 0.010$, $\rho_{\text{Spearman}} = 0.590$, $\text{CI}_{95\%} [0.169, 0.828]$, $n = 18$



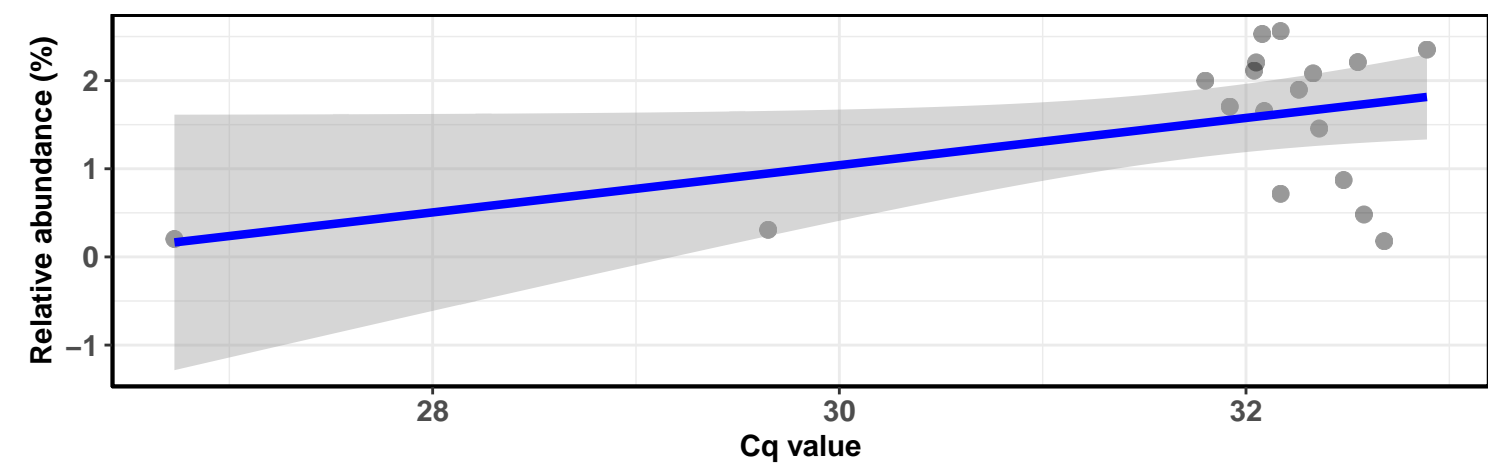
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.961$, $p = 0.009$, $\rho_{\text{Spearman}} = 0.600$, $\text{CI}_{95\%} [0.184, 0.833]$, $n = 18$

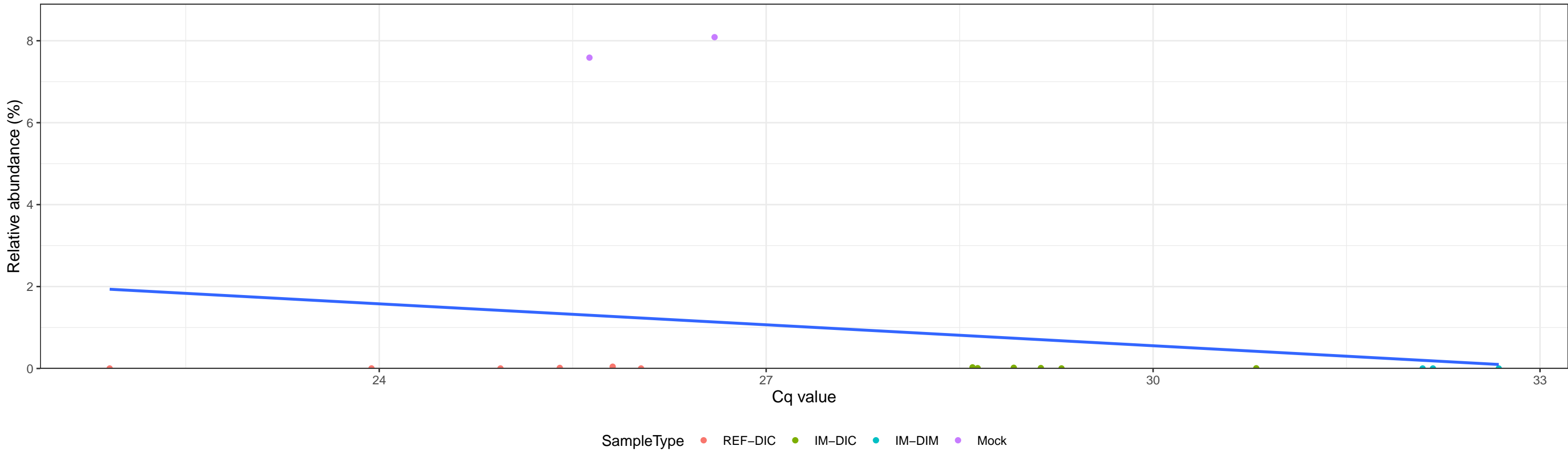


Correlation within the sample type: IM-DIM

$\log_e(S) = 6.821$, $p = 0.832$, $\rho_{\text{Spearman}} = 0.054$, $\text{CI}_{95\%} [-0.424, 0.508]$, $n = 18$

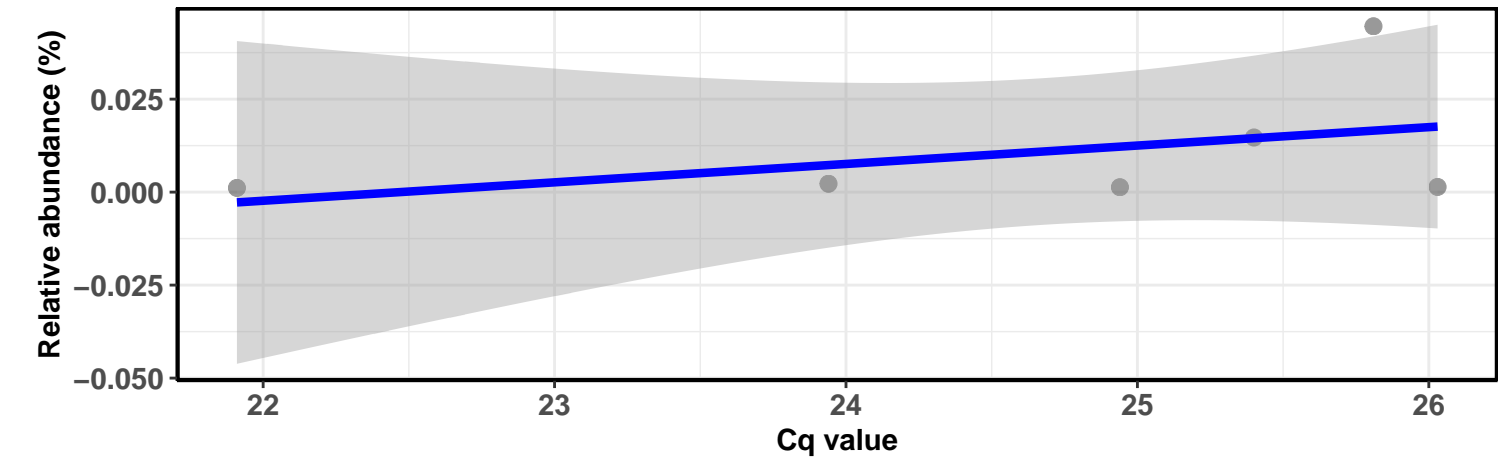


Correlation with all samples



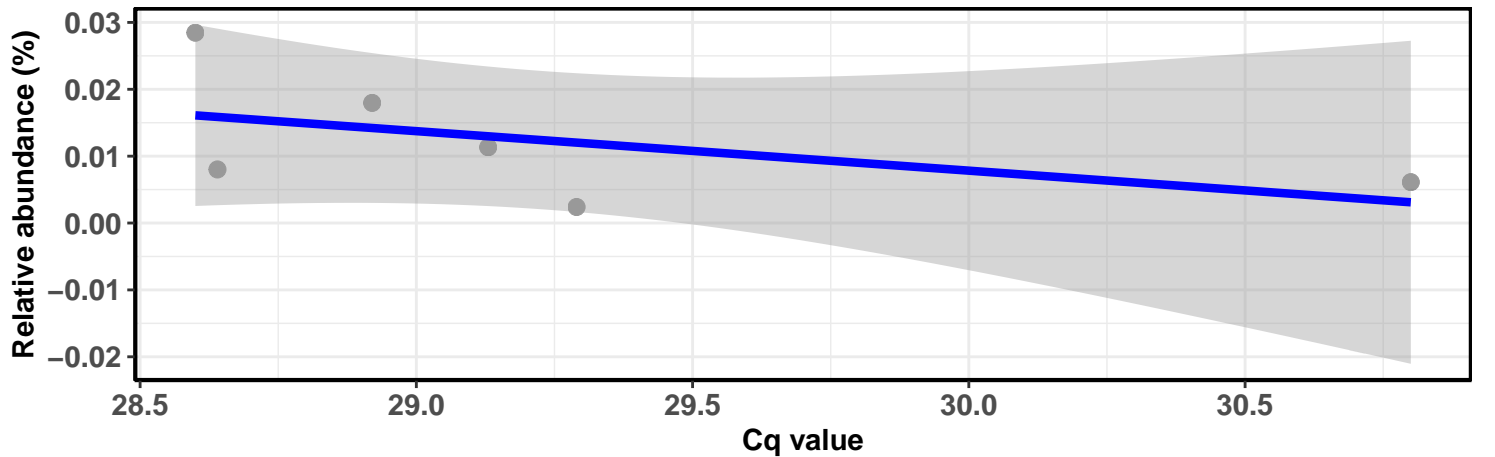
Correlation within the sample type: REF-DIC

$\log_e(S) = 2.773$, $p = 0.266$, $\rho_{\text{Spearman}} = 0.543$, $CI_{95\%} [-0.480, 0.940]$, $n = 6$

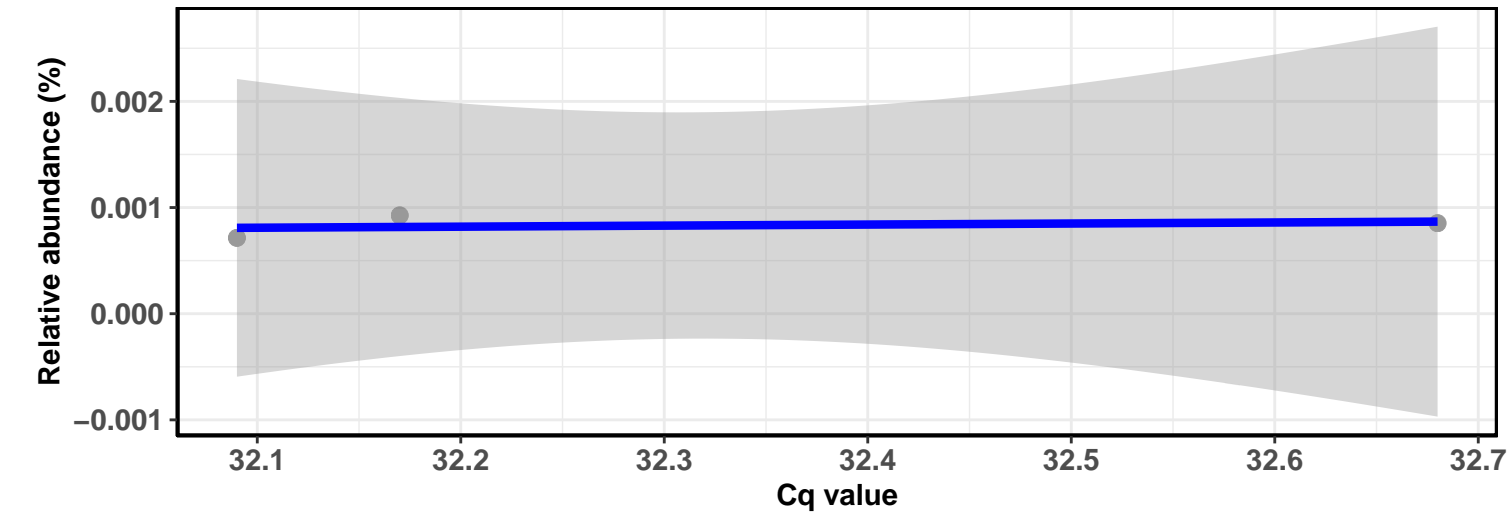


Correlation within the sample type: IM-DIC

$\log_e(S) = 4.127$, $p = 0.072$, $\rho_{\text{Spearman}} = -0.771$, $CI_{95\%} [-0.974, 0.107]$, $n = 6$

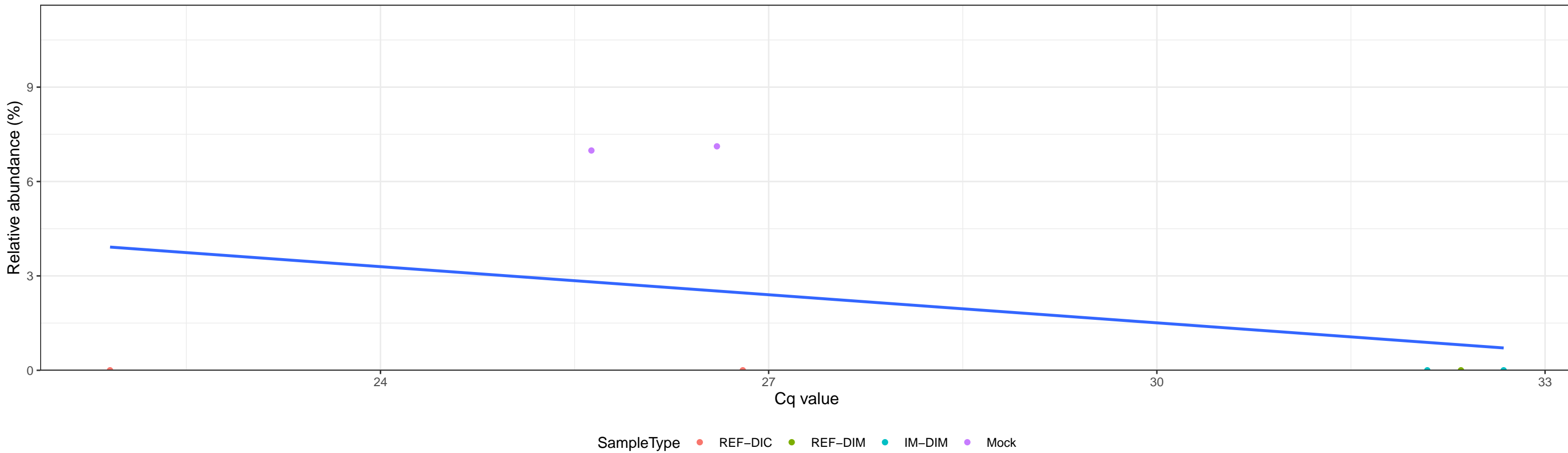


Correlation within the sample type: IM-DIM

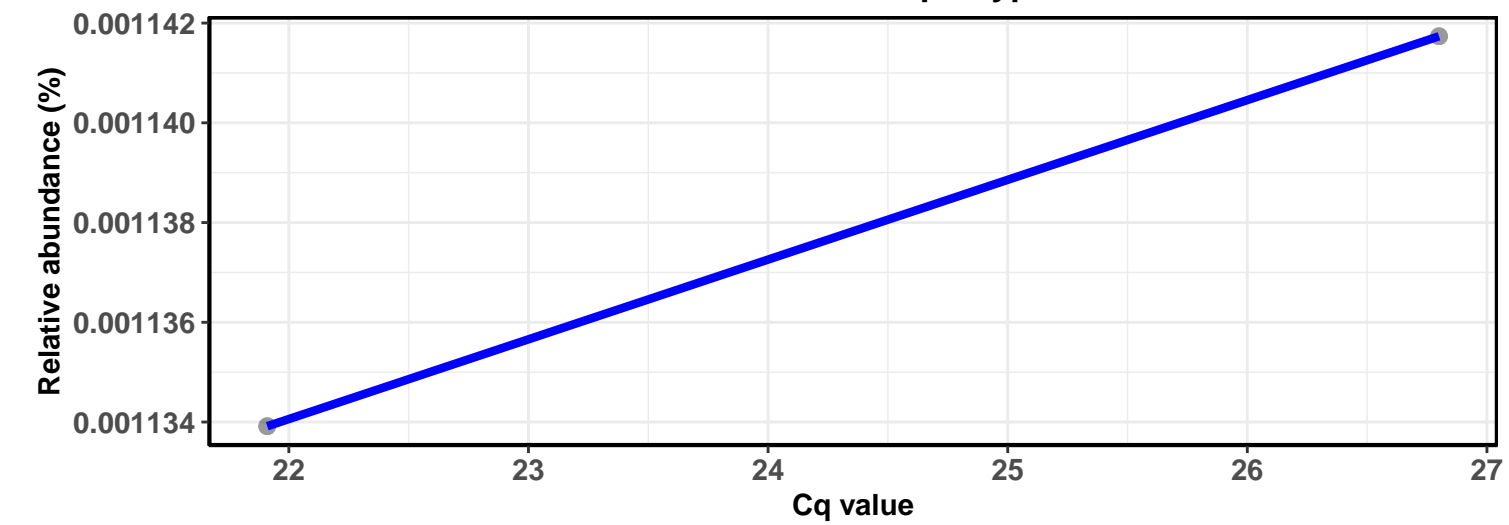


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Enterobacteriales; D_4__Enterobacteriaceae; D_5__Escherichia-Shigella

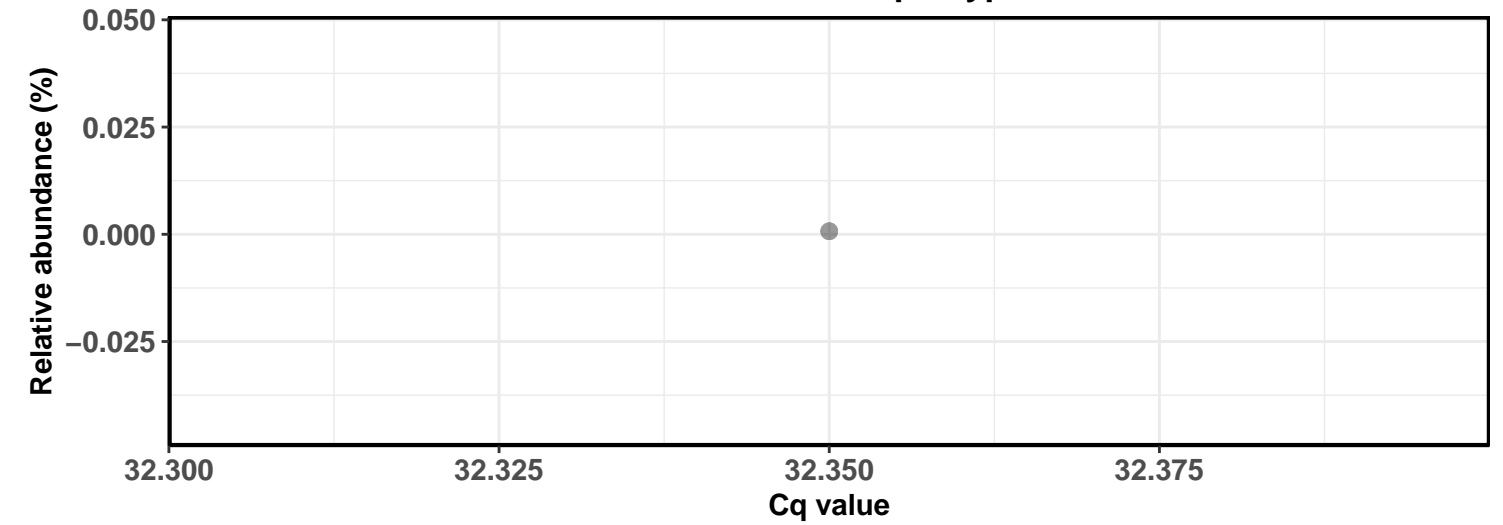
Correlation with all samples



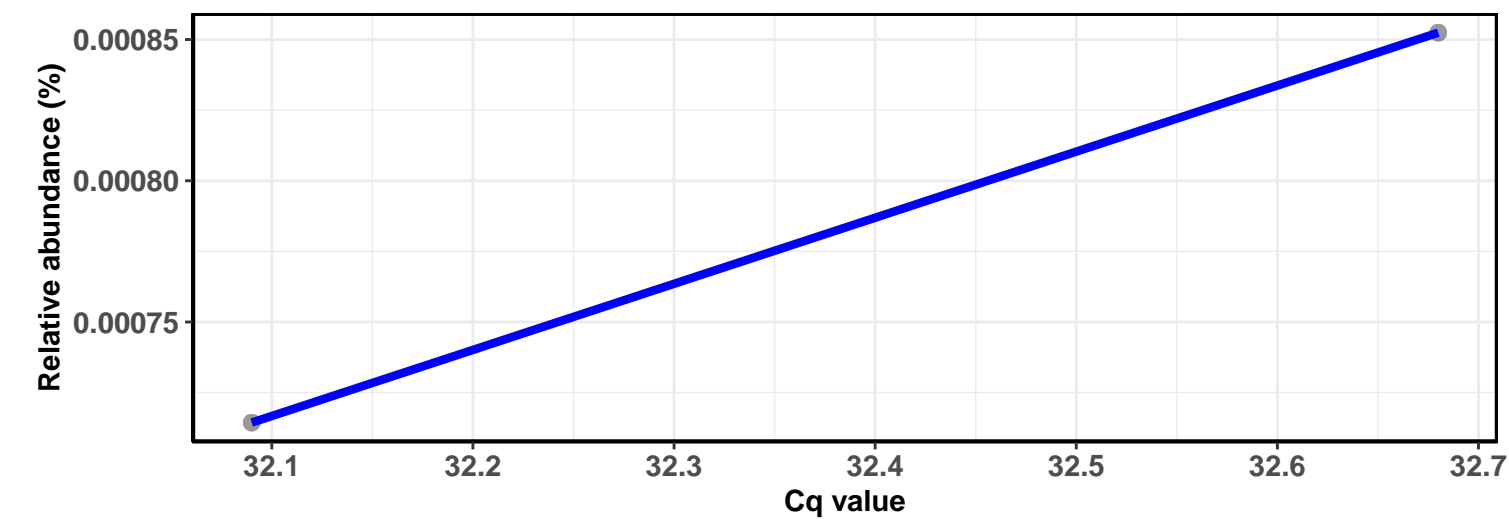
Correlation within the sample type: REF-DIC



Correlation within the sample type: REF-DIM

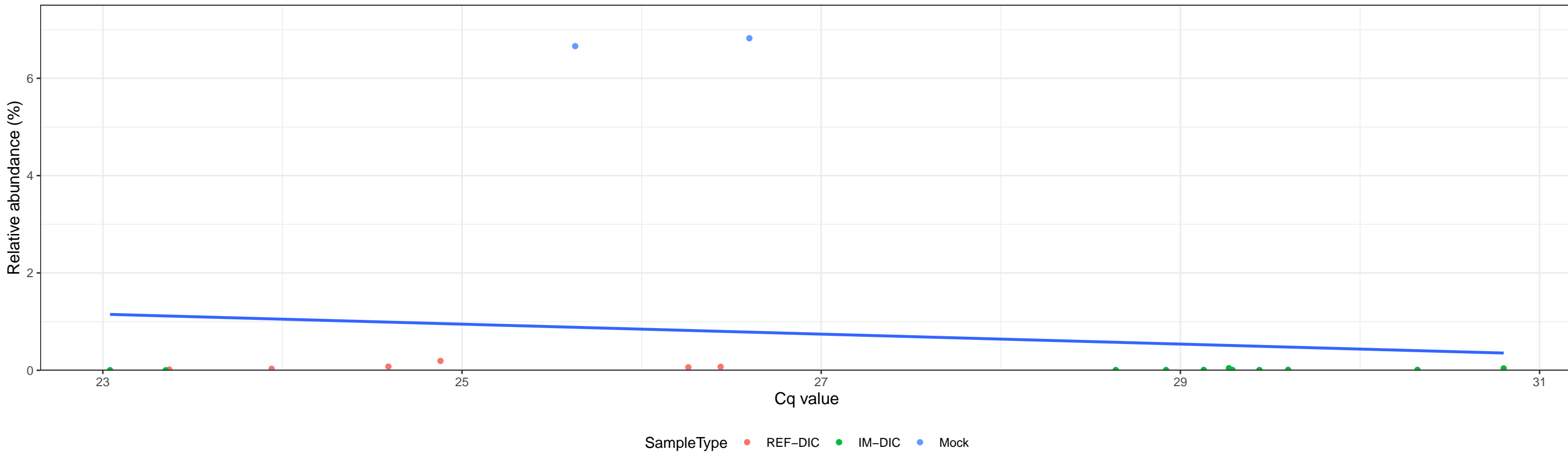


Correlation within the sample type: IM-DIM



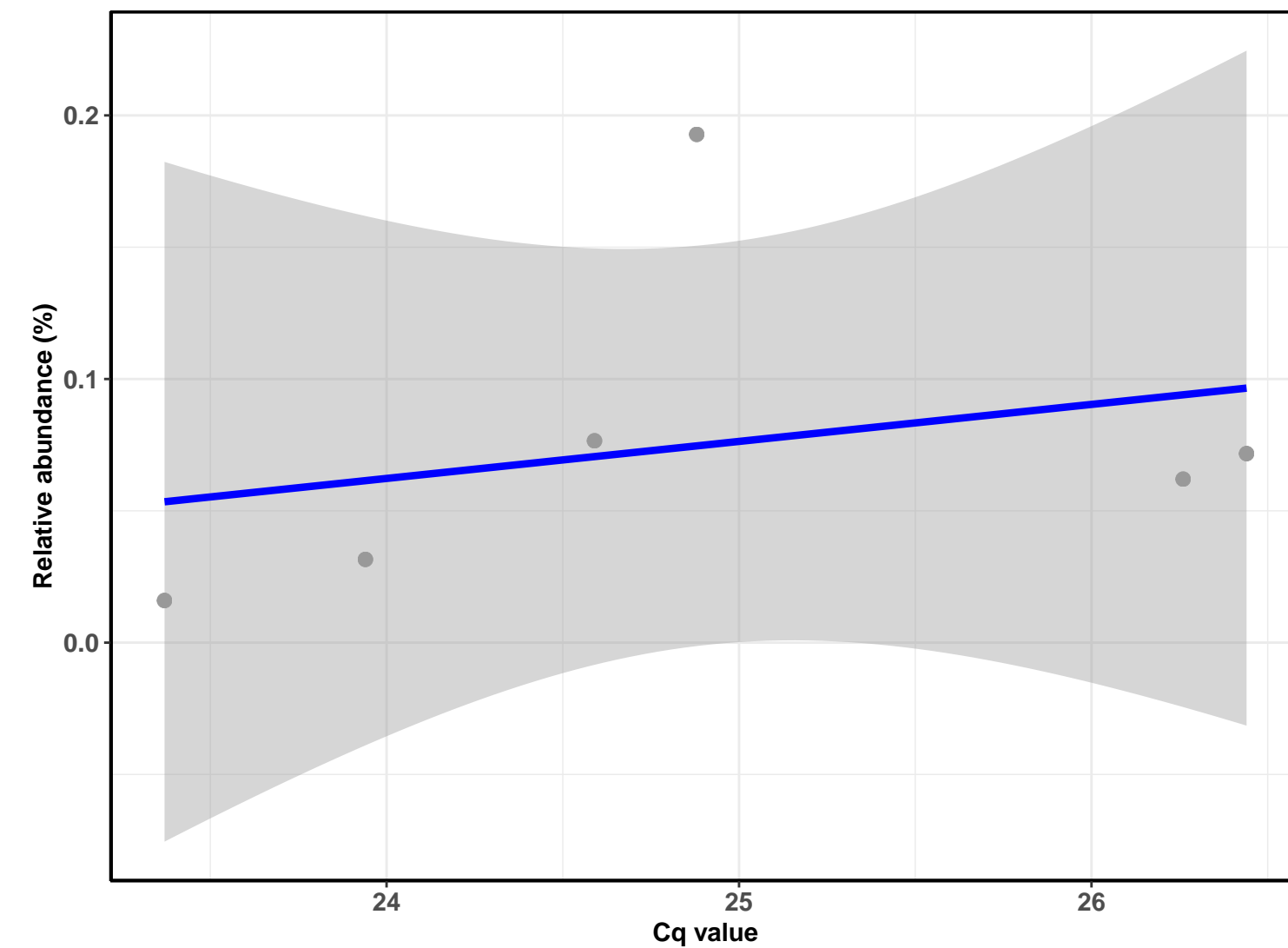
D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

Correlation with all samples



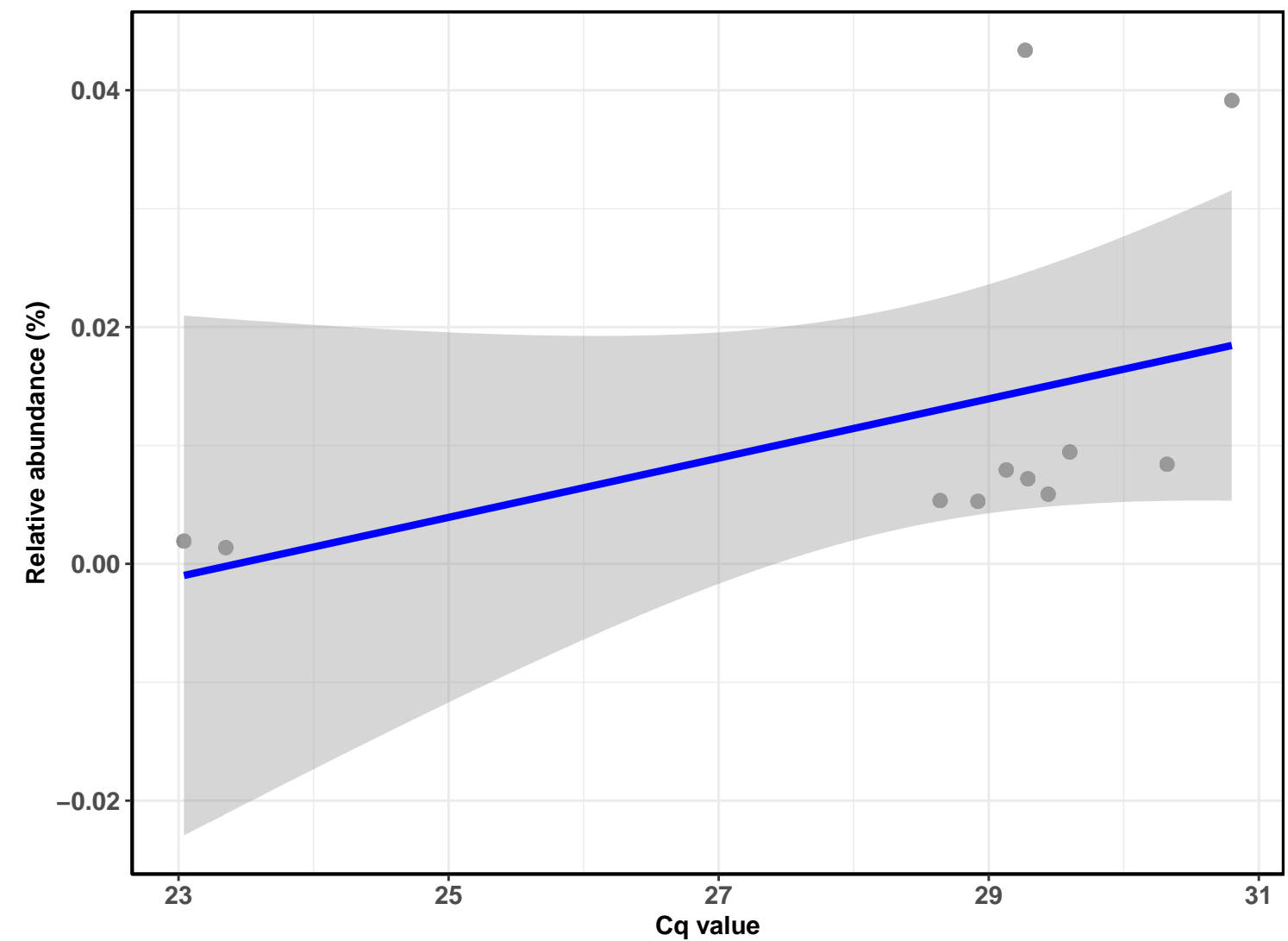
Correlation within the sample type: REF-DIC

$\log_e(S) = 2.773$, $p = 0.266$, $\rho_{\text{Spearman}} = 0.543$, $\text{CI}_{95\%} [-0.480, 0.940]$, $n = 6$

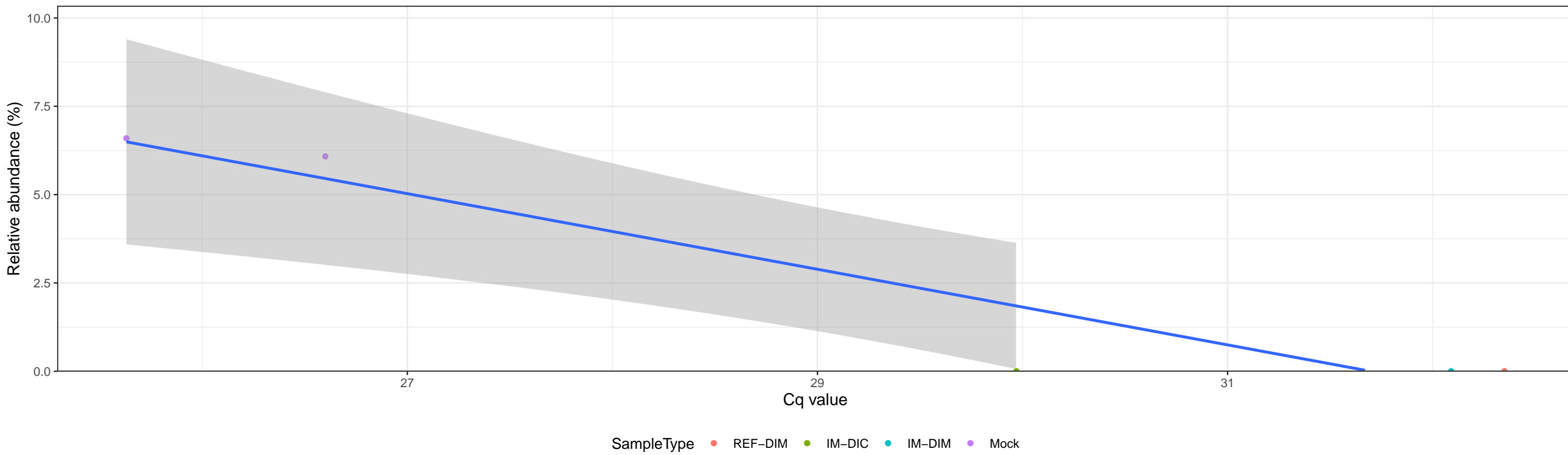


Correlation within the sample type: IM-DIC

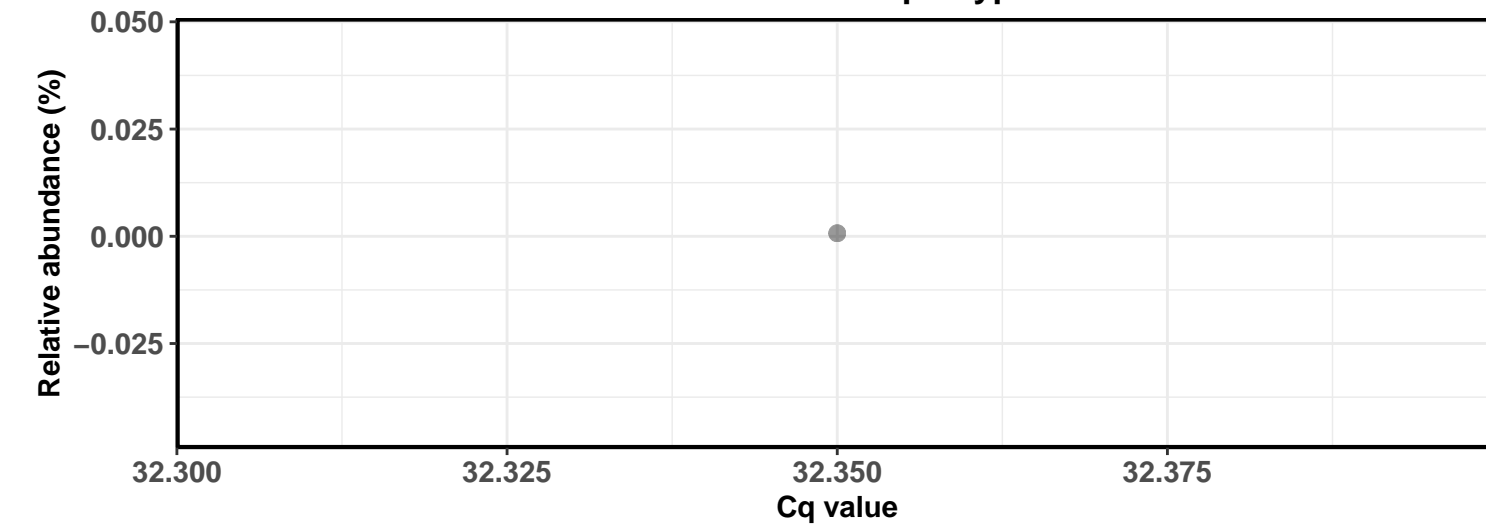
$\log_e(S) = 3.871$, $p = 0.004$, $\rho_{\text{Spearman}} = 0.782$, $\text{CI}_{95\%} [0.343, 0.941]$, $n = 11$



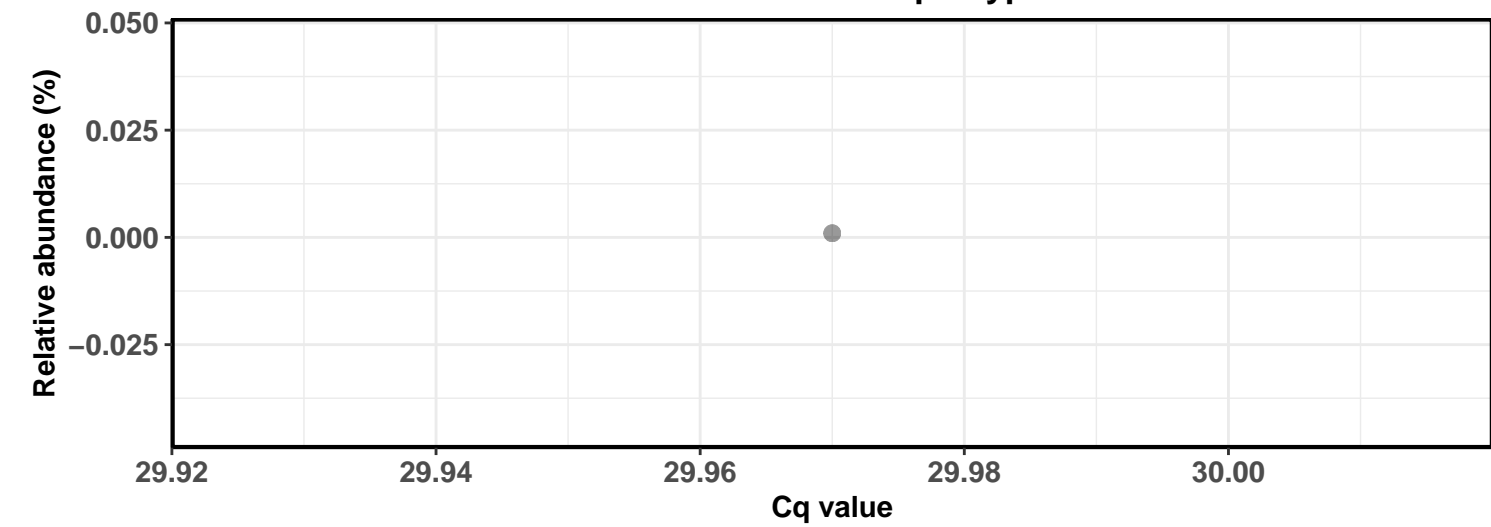
Correlation with all samples



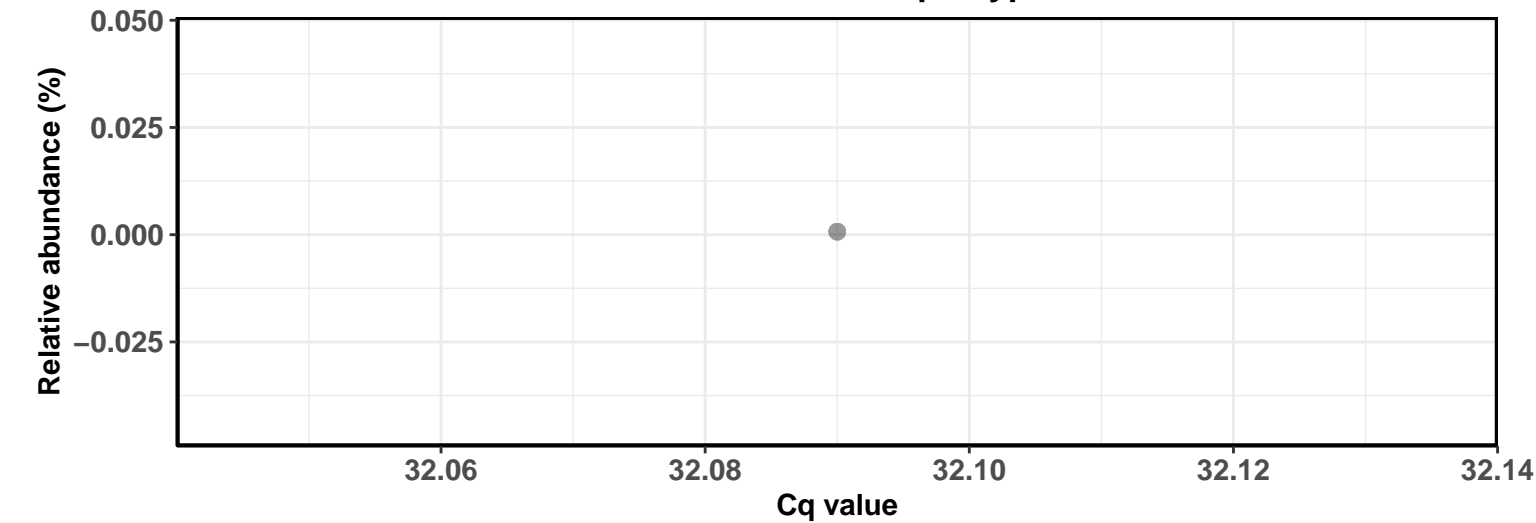
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

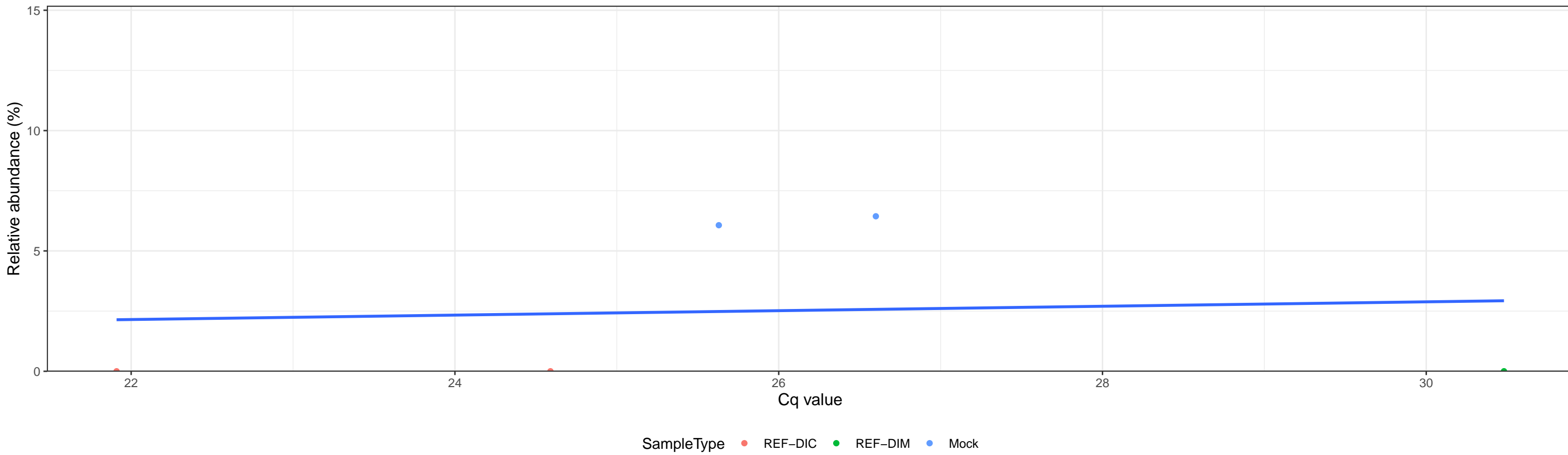


Correlation within the sample type: IM-DIM

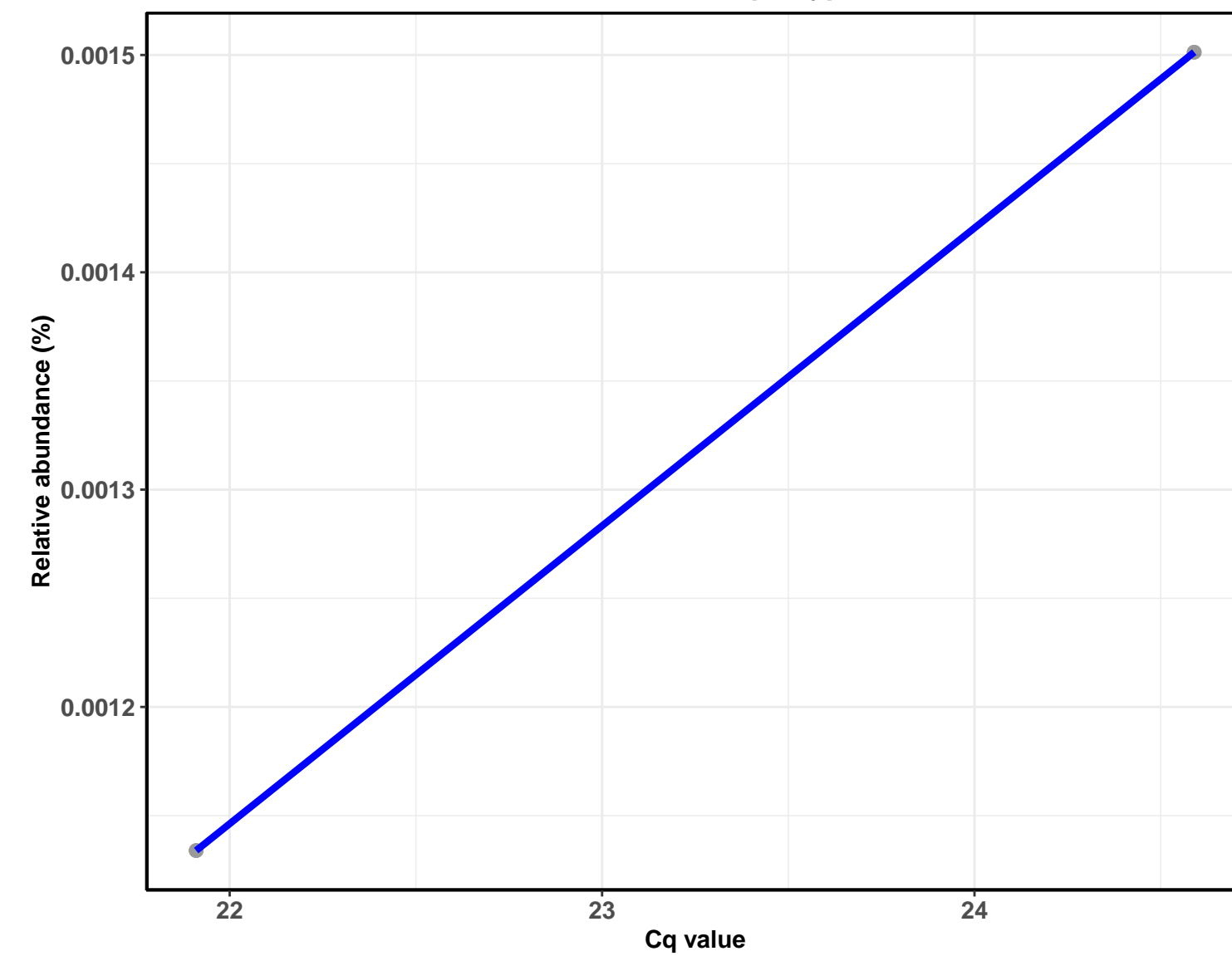


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Staphylococcaceae; D_5__Staphylococcus; D_6__Staphylococcus aureus

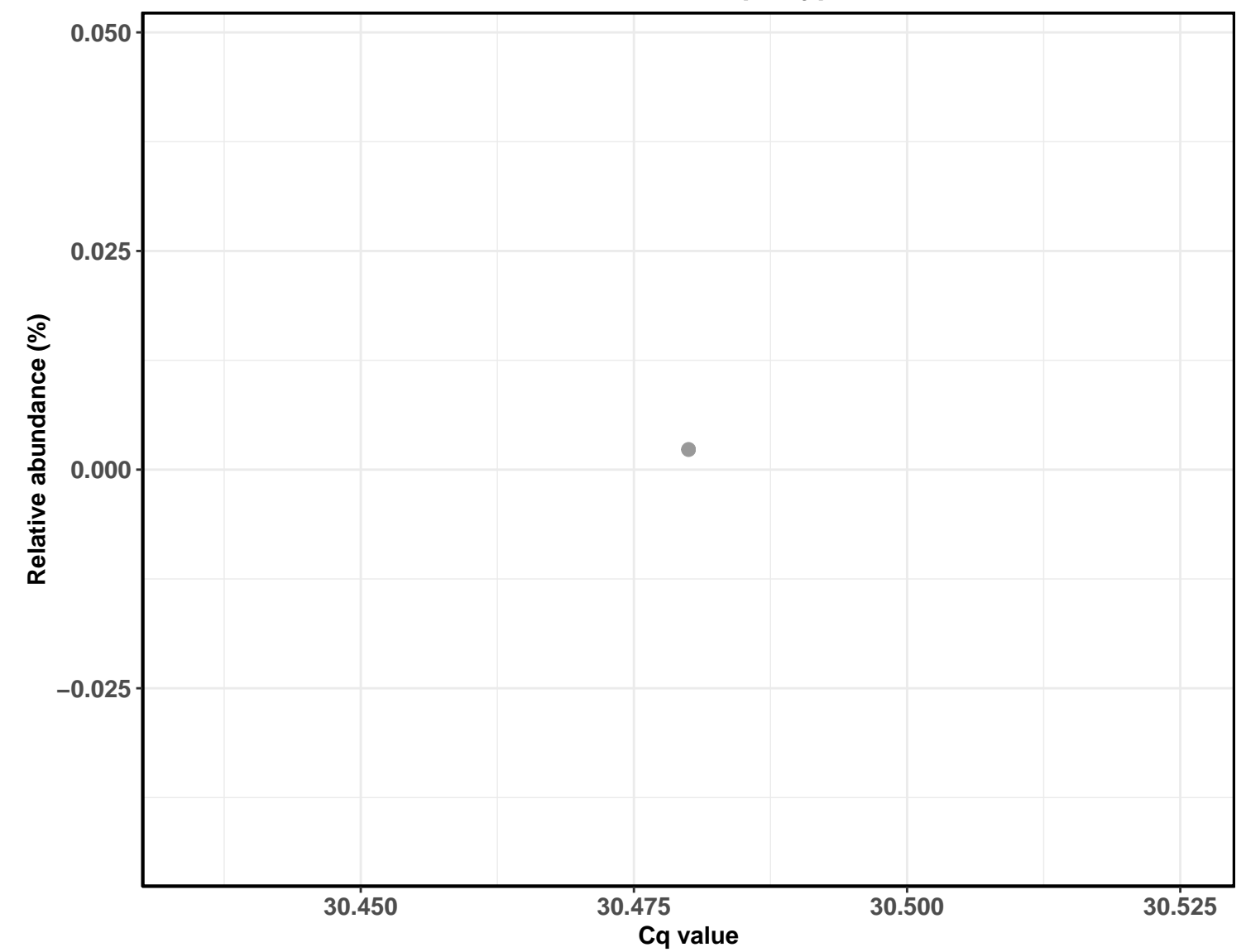
Correlation with all samples



Correlation within the sample type: REF-DIC

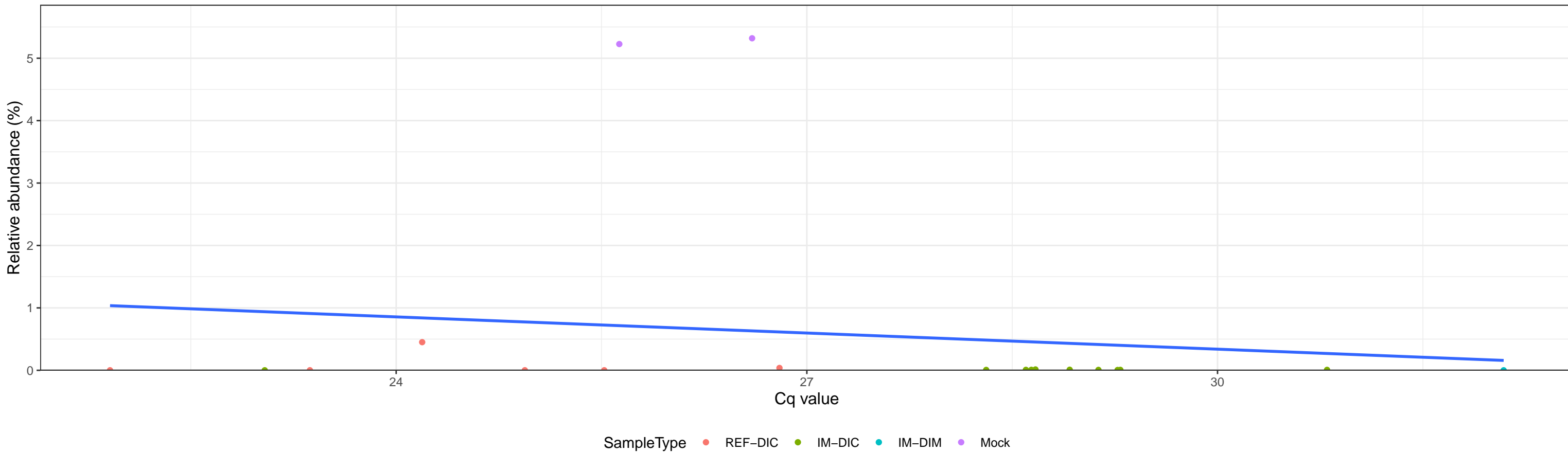


Correlation within the sample type: REF-DIM

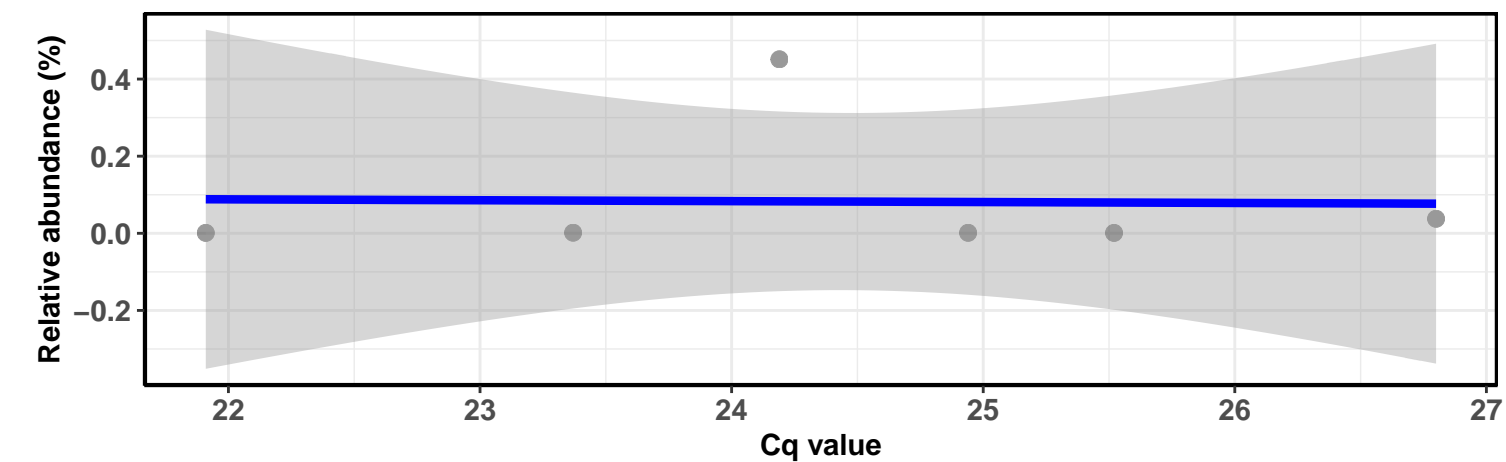


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

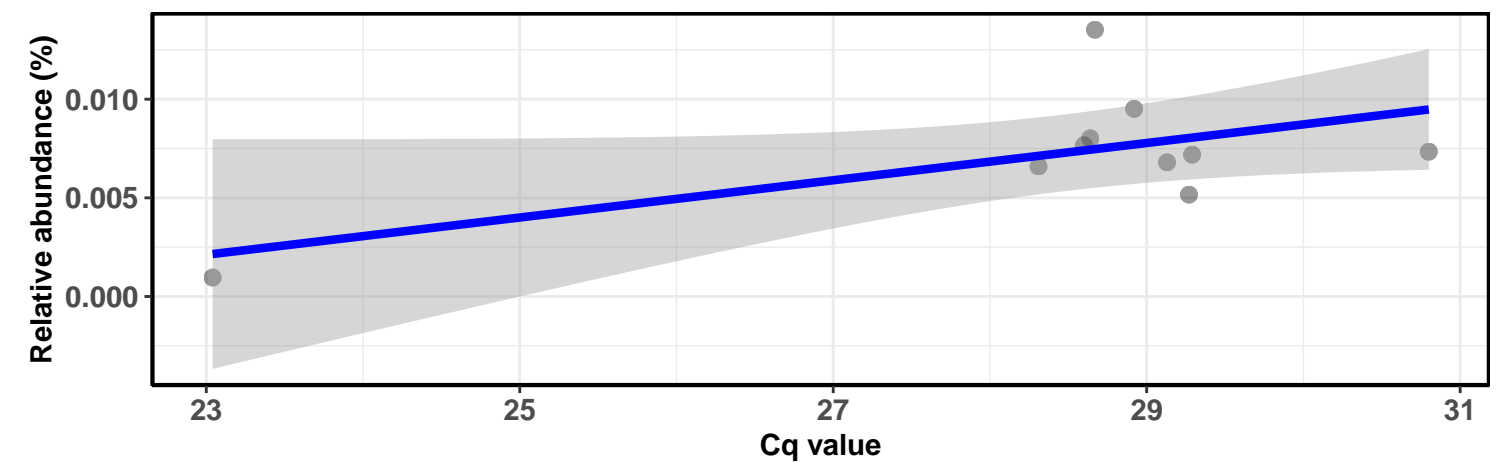
Correlation with all samples



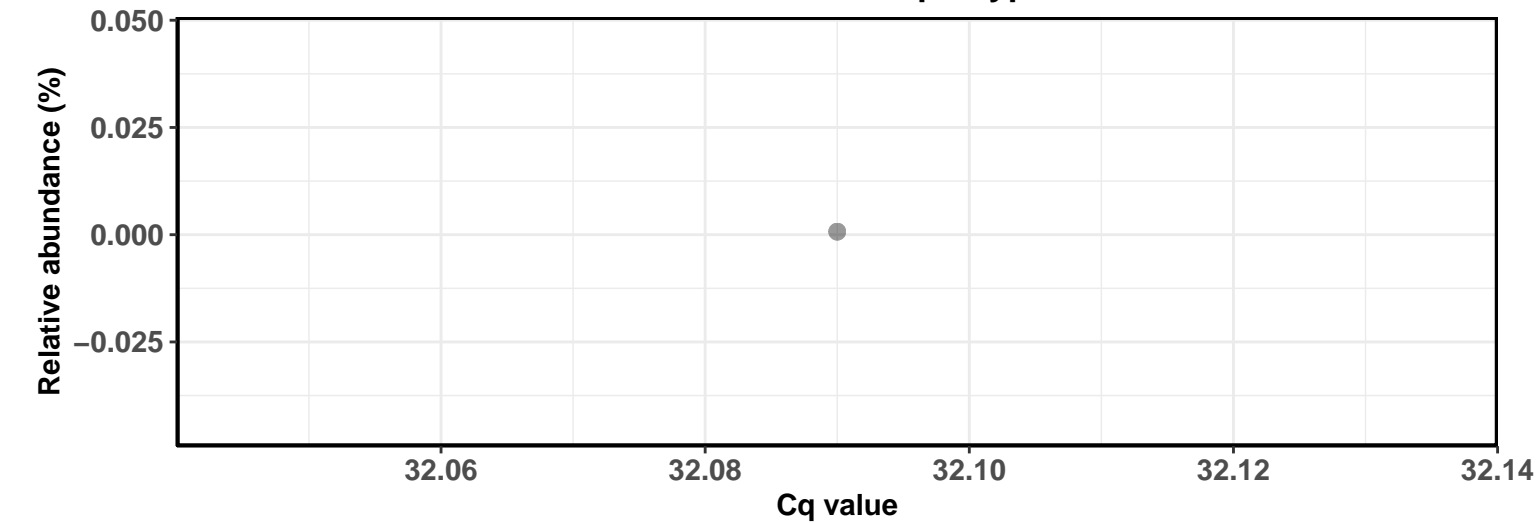
Correlation within the sample type: REF-DIC

$$\log_e(S) = 3.466, p = 0.872, \rho_{\text{Spearman}} = 0.086, \text{CI}_{95\%} [-0.780, 0.839], n = 6$$


Correlation within the sample type: IM–DIC

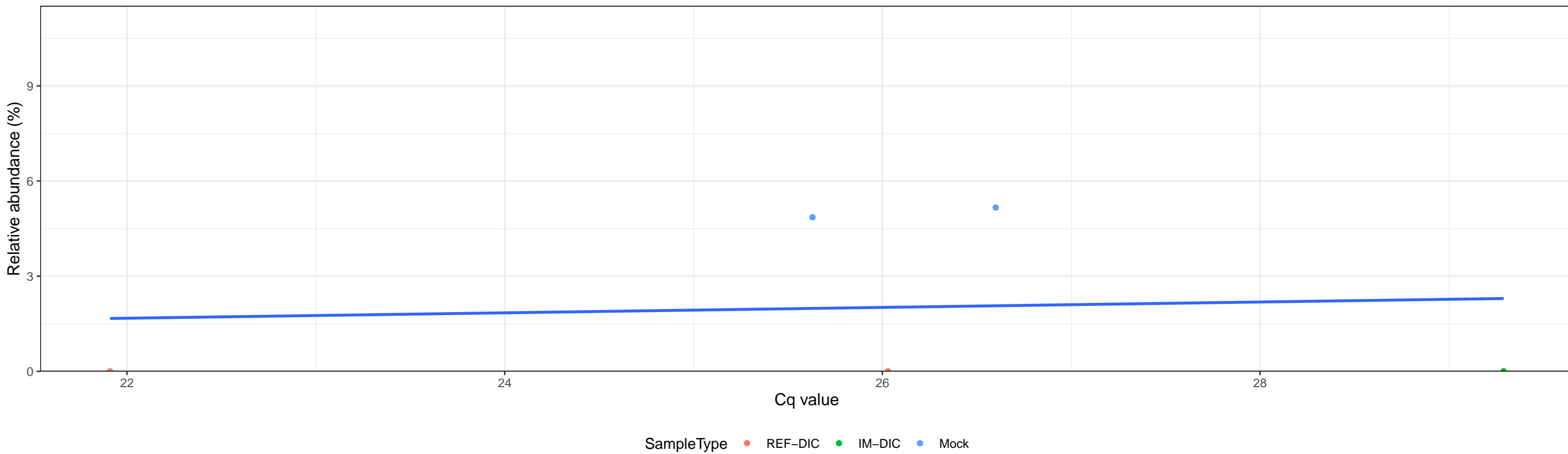
$$\log_e(S) = 4.970, p = 0.726, \rho_{\text{Spearman}} = 0.127, \text{CI}_{95\%} [-0.546, 0.701], n = 10$$


Correlation within the sample type: IM-DIM

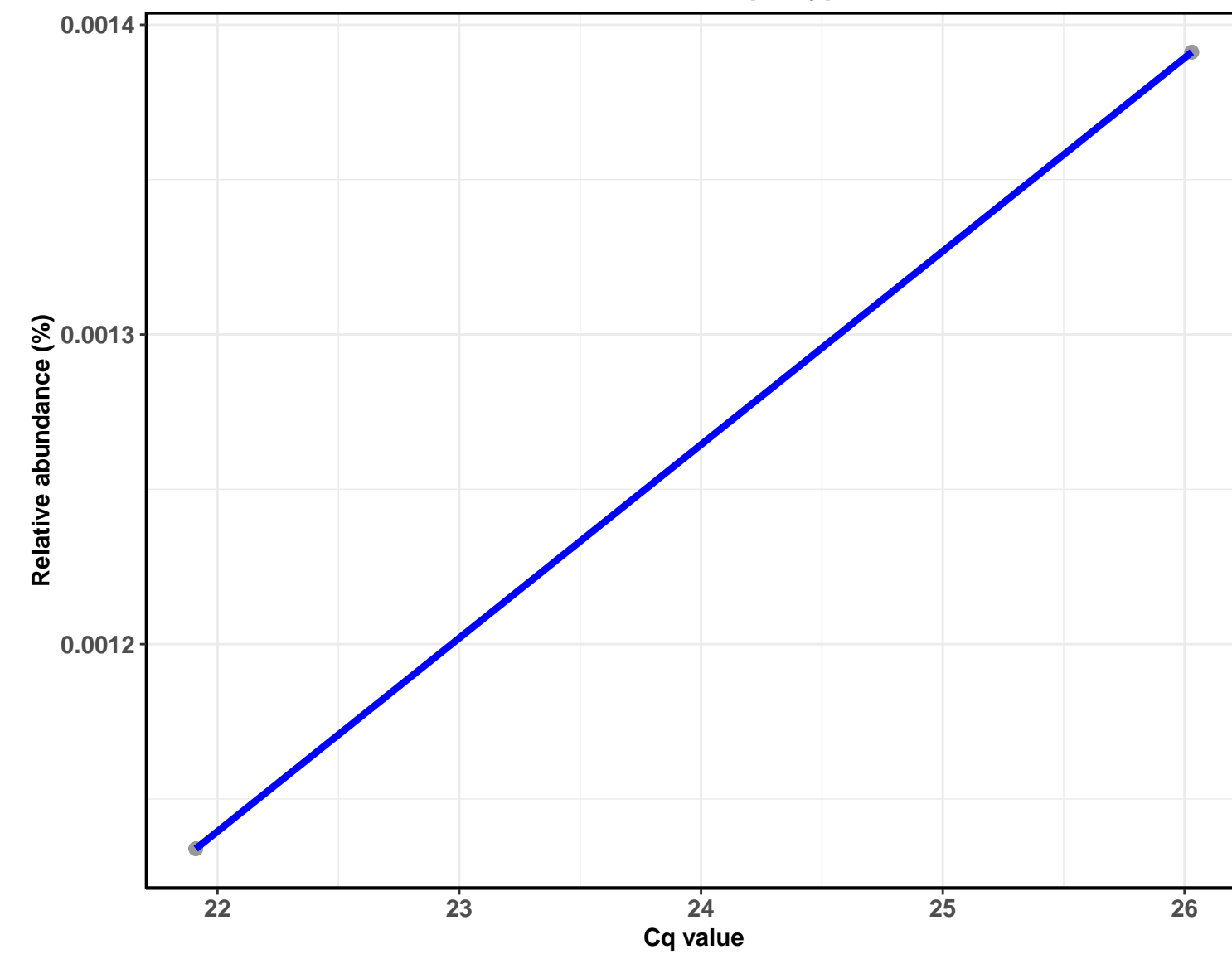


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

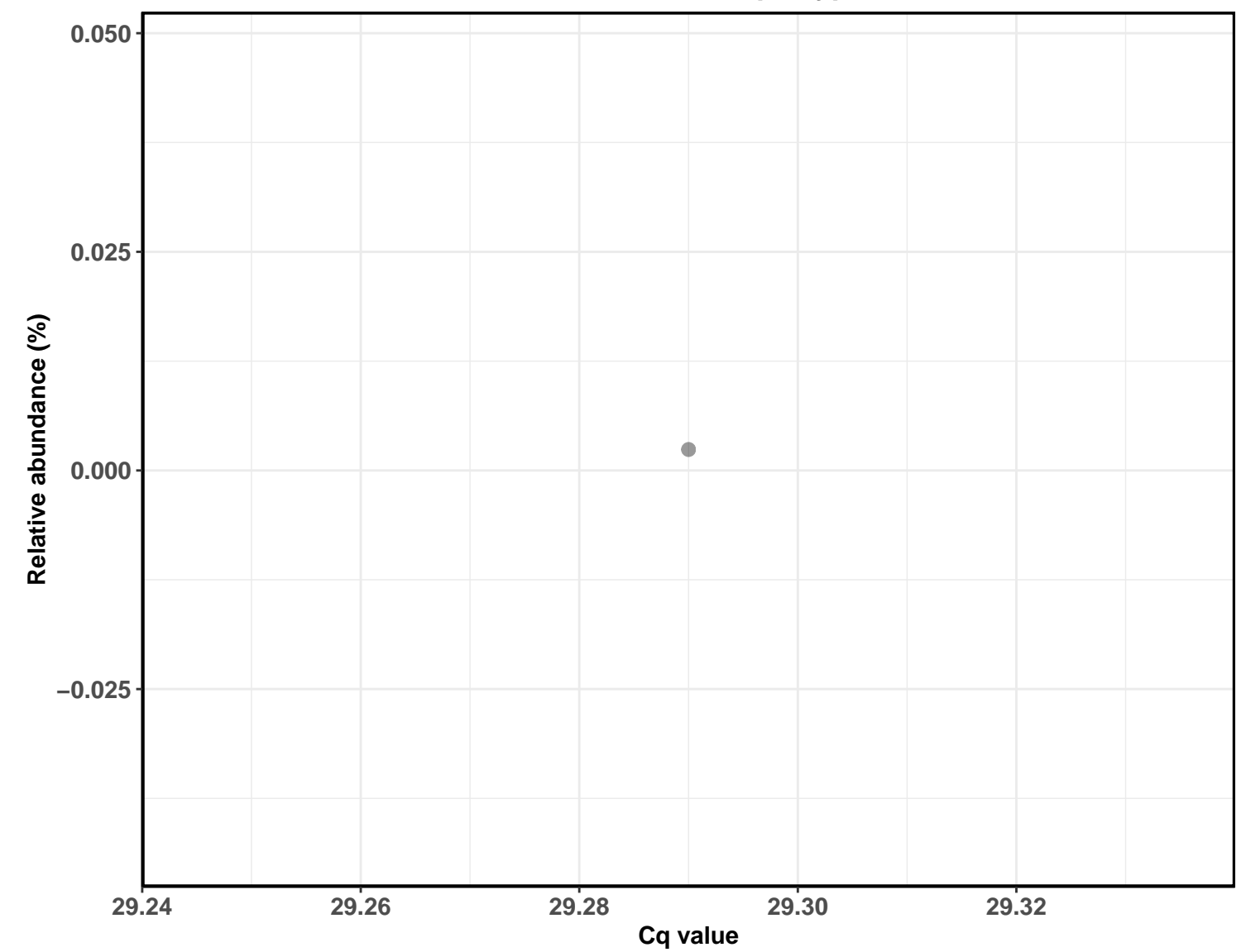
Correlation with all samples



Correlation within the sample type: REF-DIC

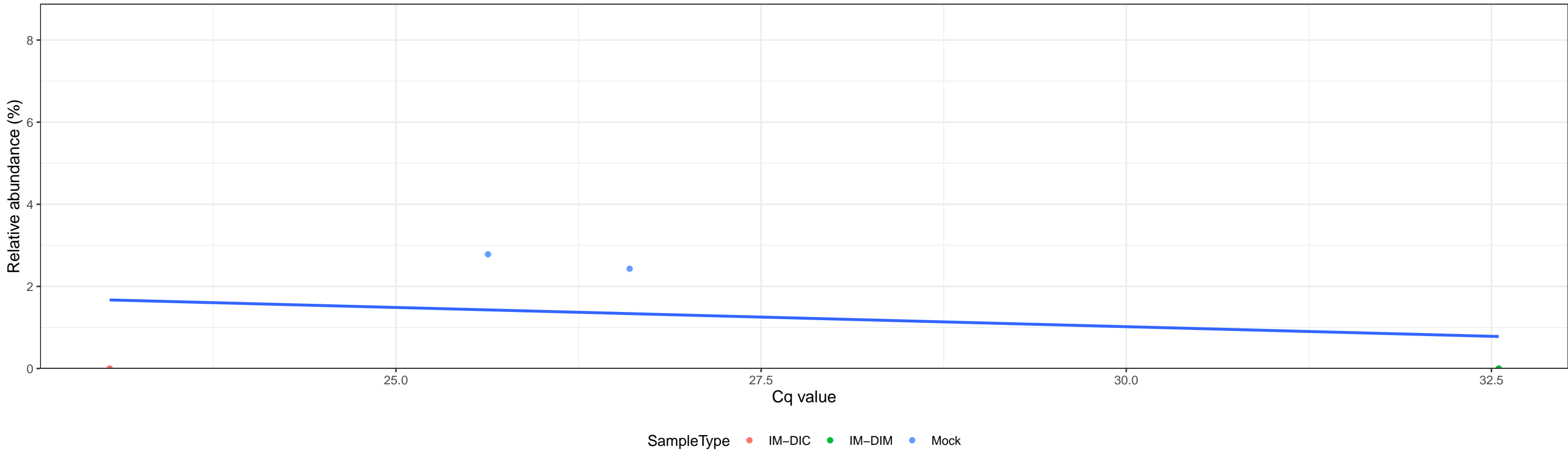


Correlation within the sample type: IM-DIC

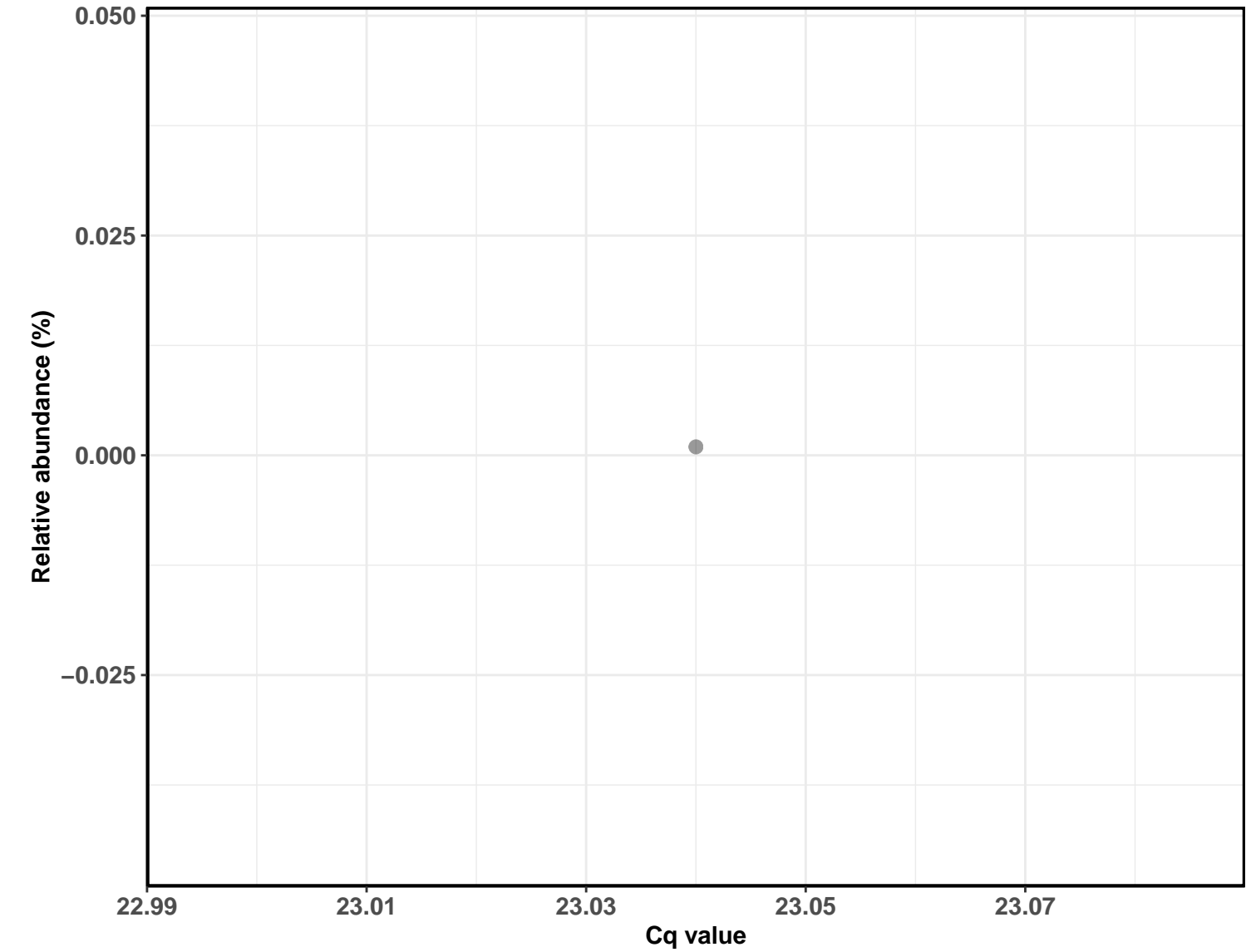


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Enterobacteriales; D_4__Enterobacteriaceae; D_5__Salmonella

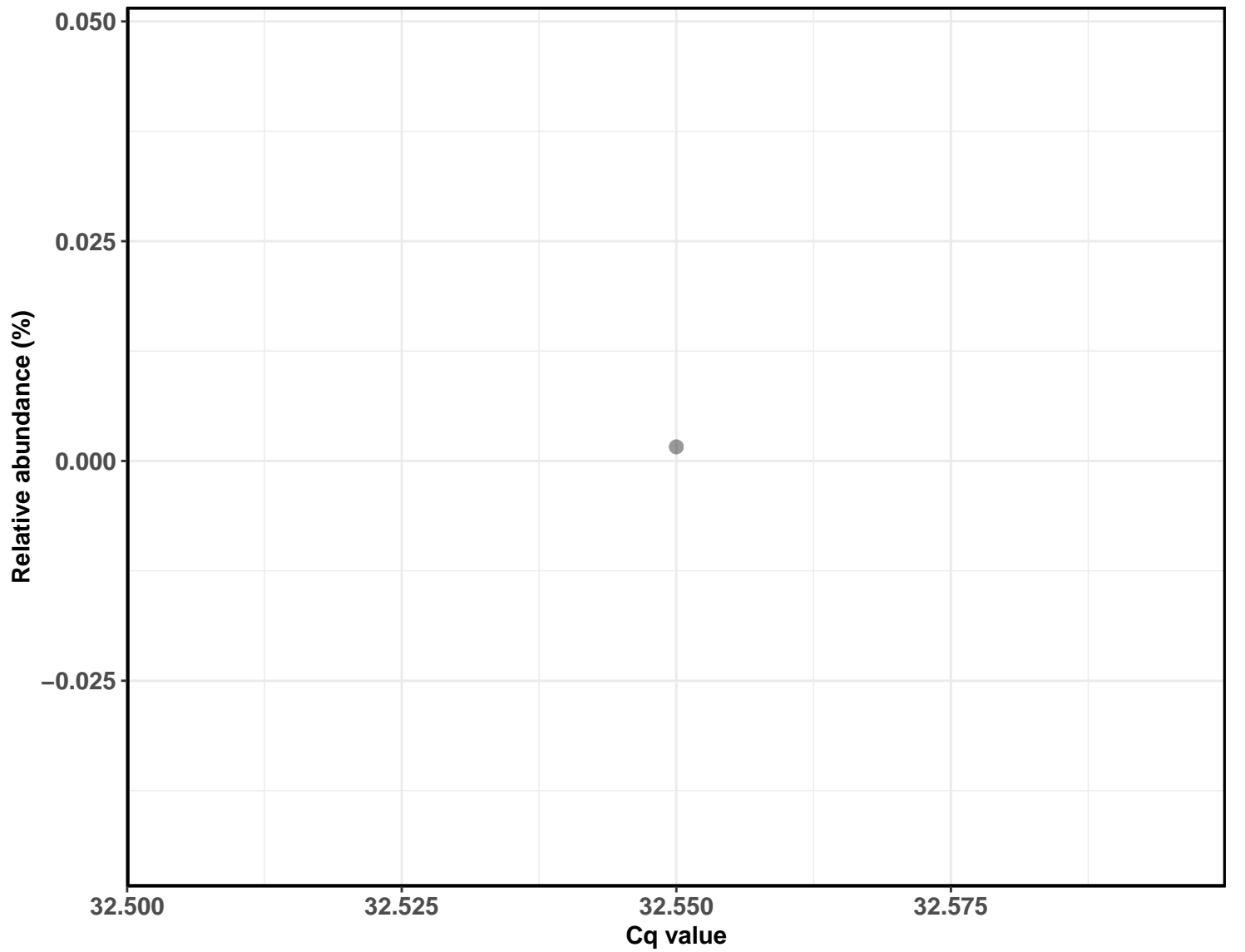
Correlation with all samples



Correlation within the sample type: IM-DIC

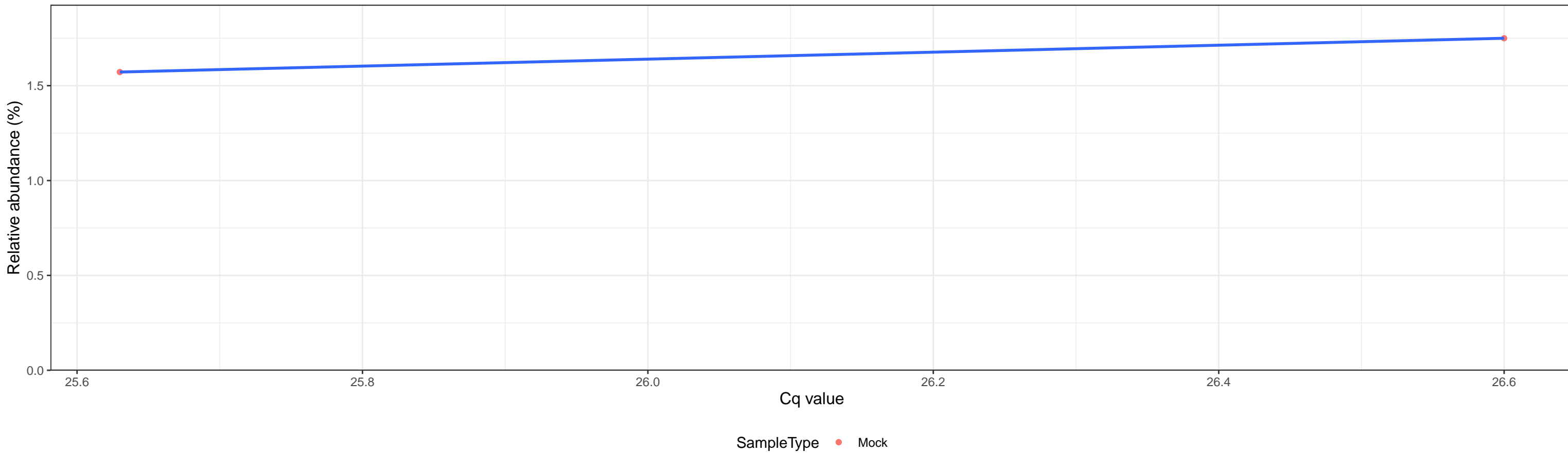


Correlation within the sample type: IM-DIM

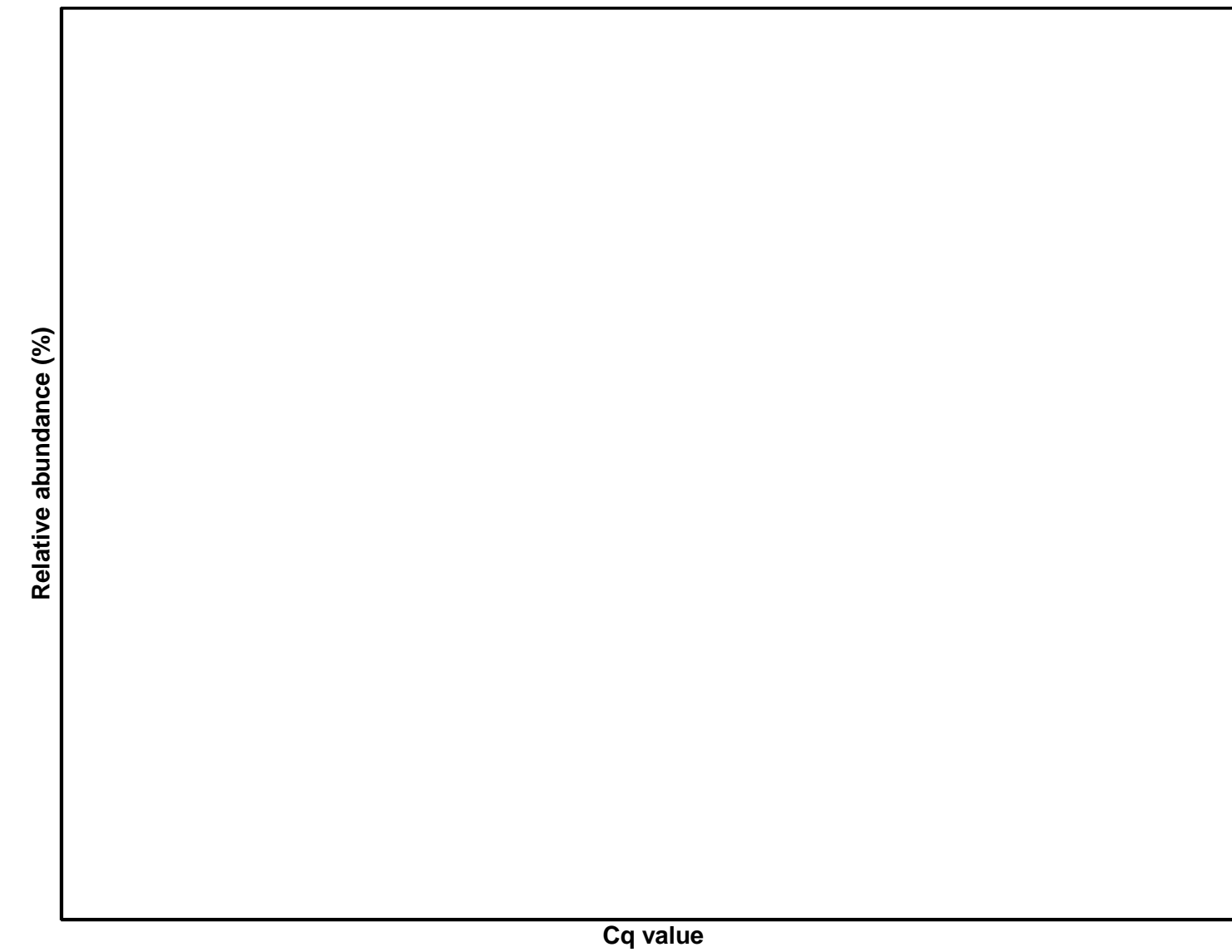


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Staphylococcaceae; D_5__Staphylococcus; D_6__Staphylococcus aureus

Correlation with all samples

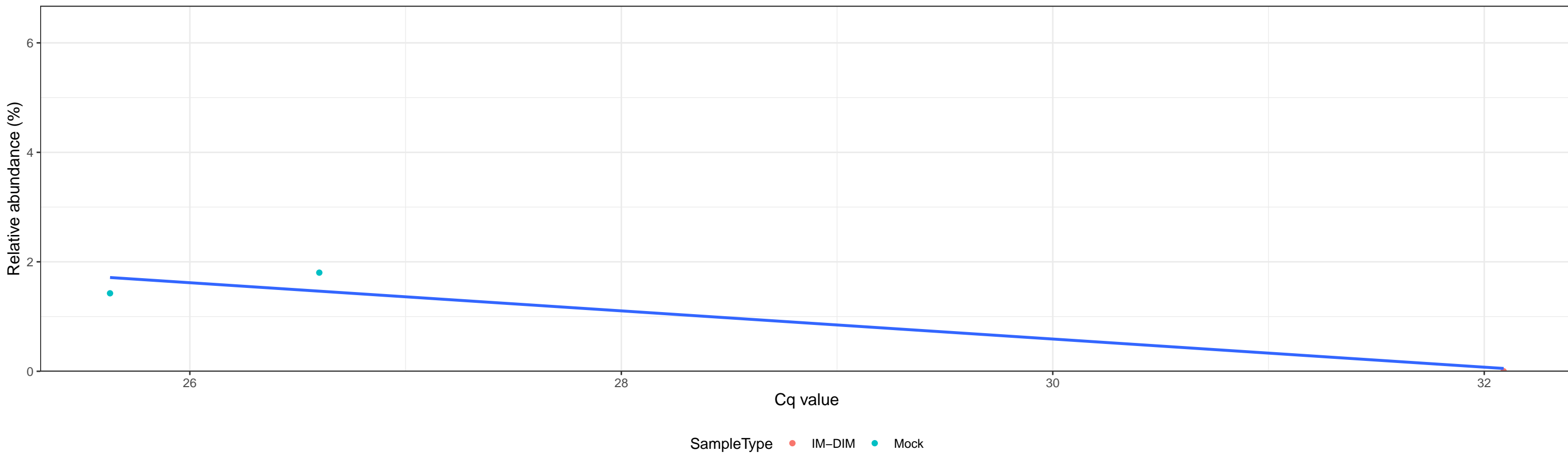


Correlation within the sample type:

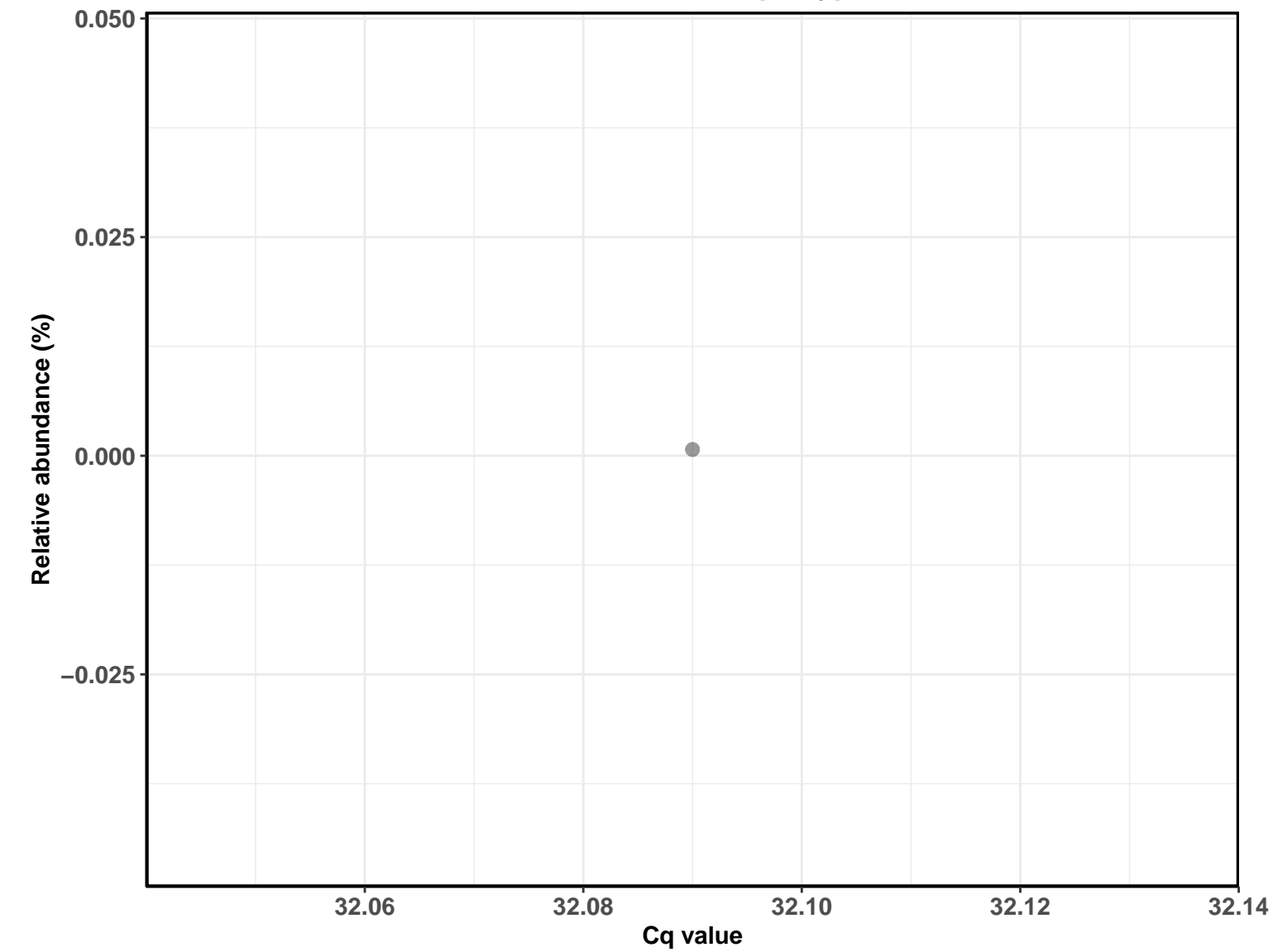


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Staphylococcaceae; D_5__Staphylococcus; D_6__Staphylococcus aureus

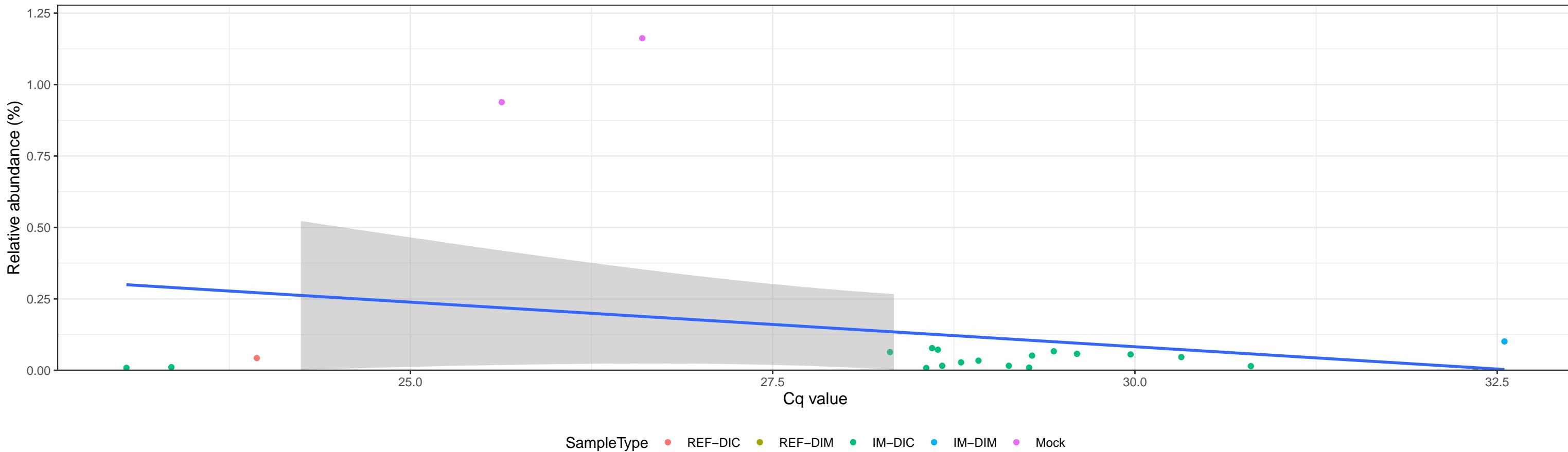
Correlation with all samples



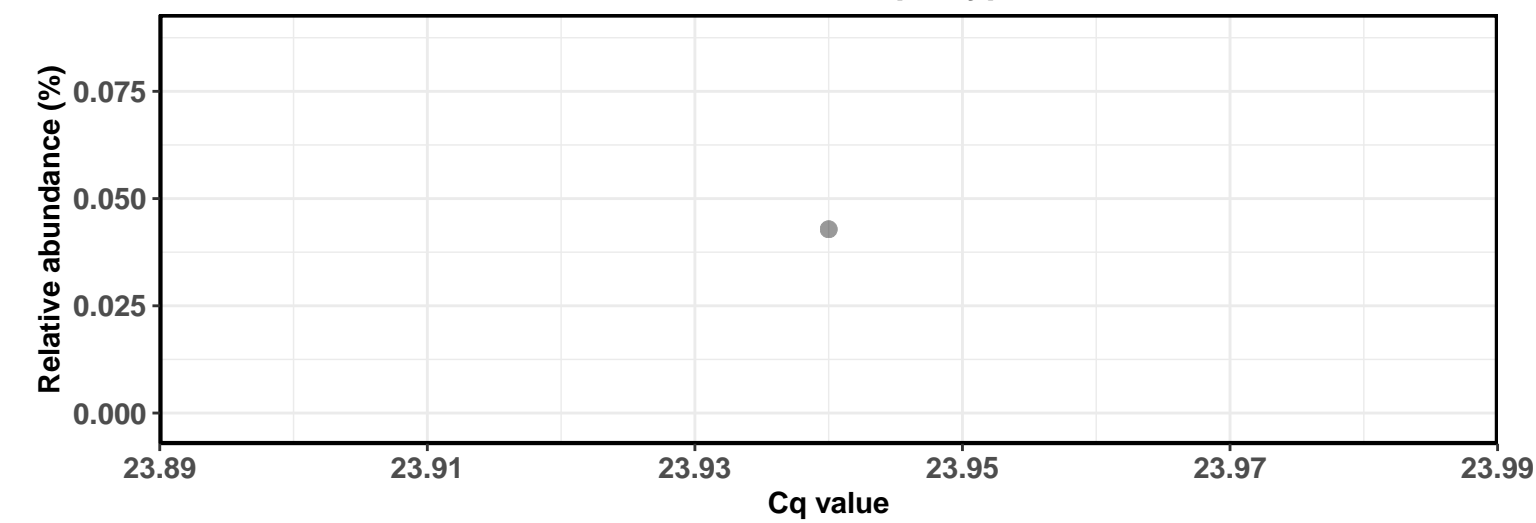
Correlation within the sample type: IM-DIM



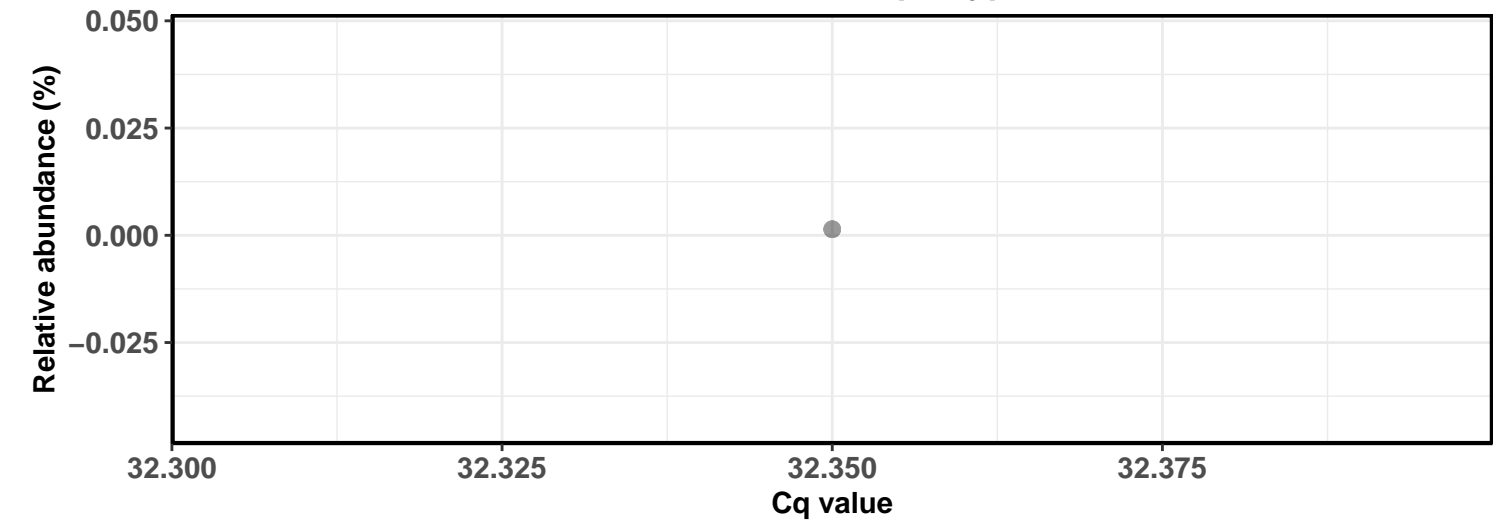
Correlation with all samples



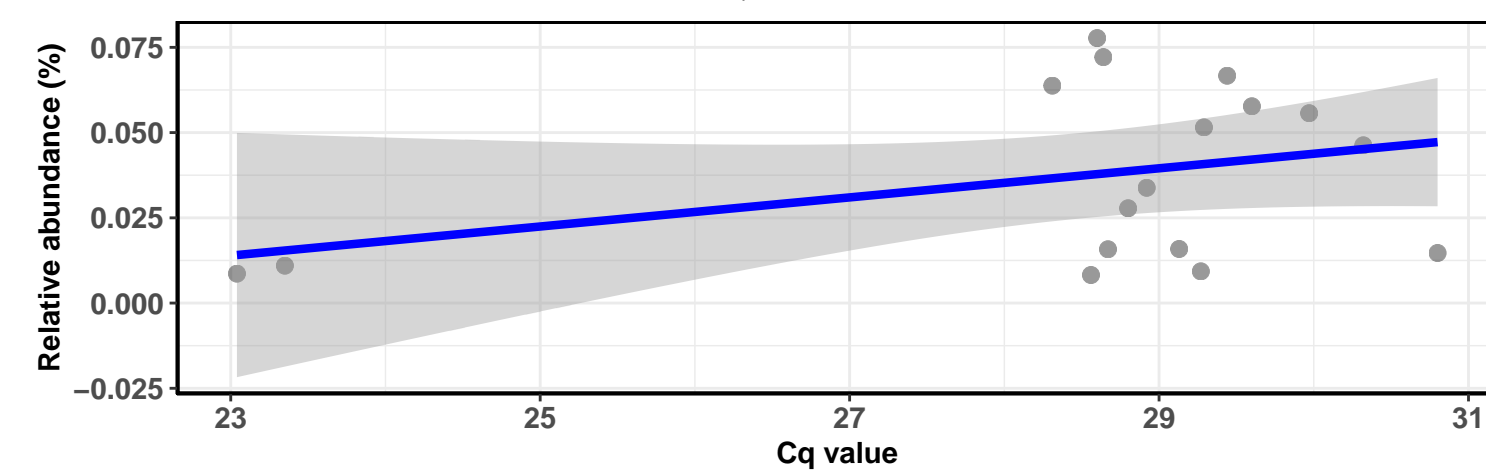
Correlation within the sample type: REF-DIC



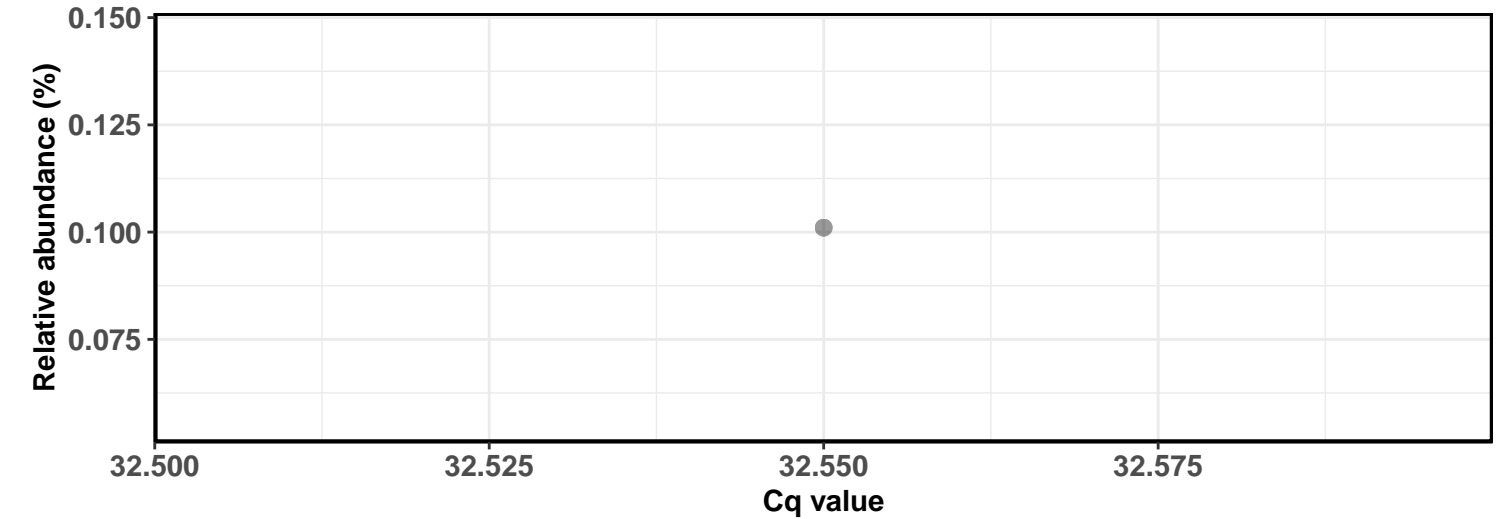
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

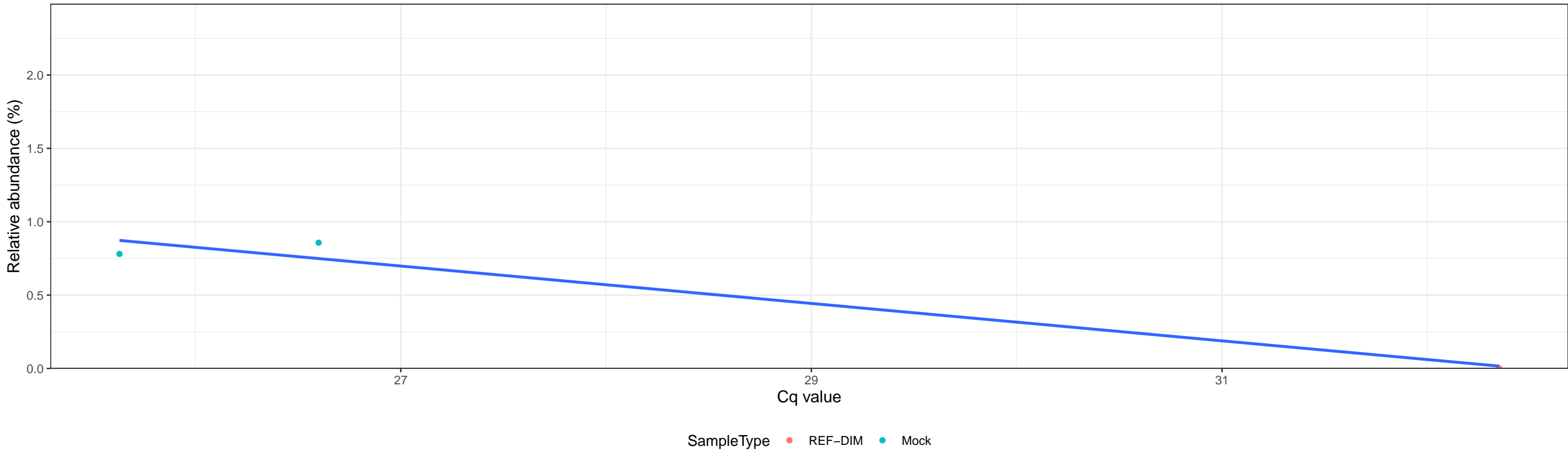
 $\log_e(S) = 6.474$, $p = 0.428$, $\rho_{\text{Spearman}} = 0.206$, $CI_{95\%} [-0.305, 0.625]$, $n = 17$ 

Correlation within the sample type: IM-DIM

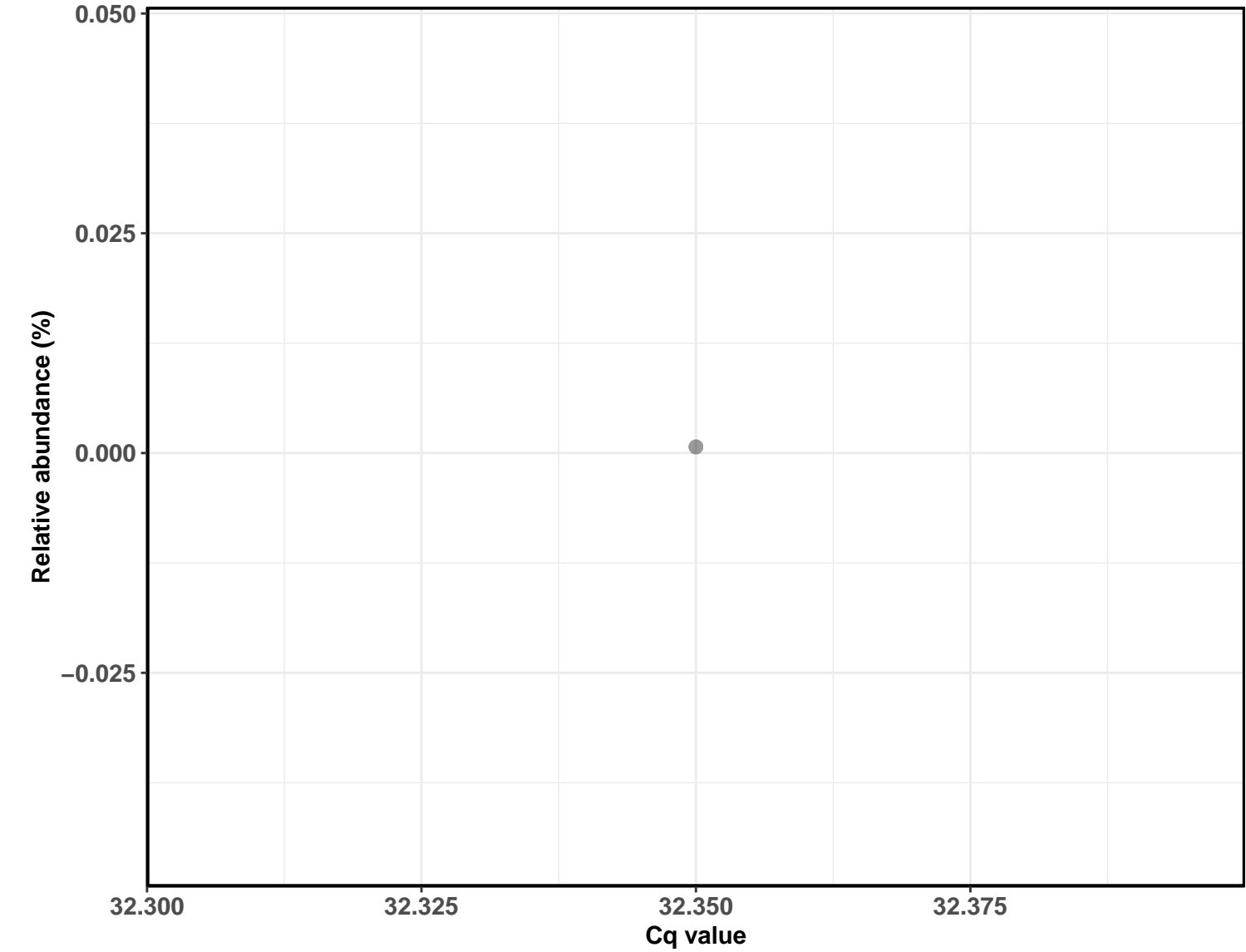


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Listeriaceae; D_5__Listeria; D_6__Listeria monocytogenes

Correlation with all samples

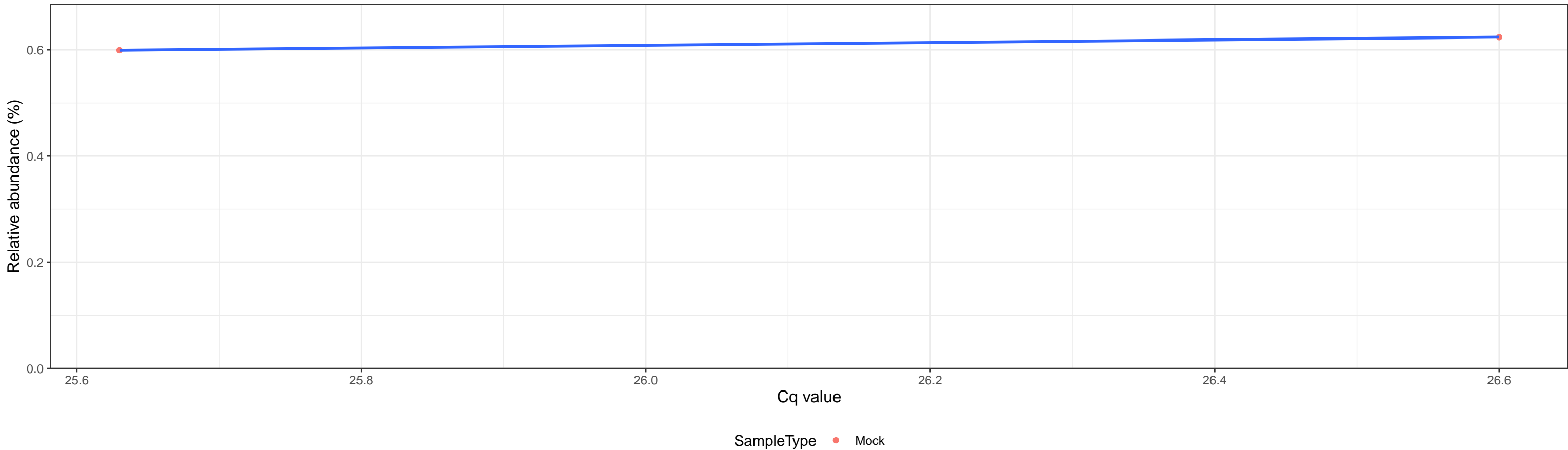


Correlation within the sample type: REF-DIM

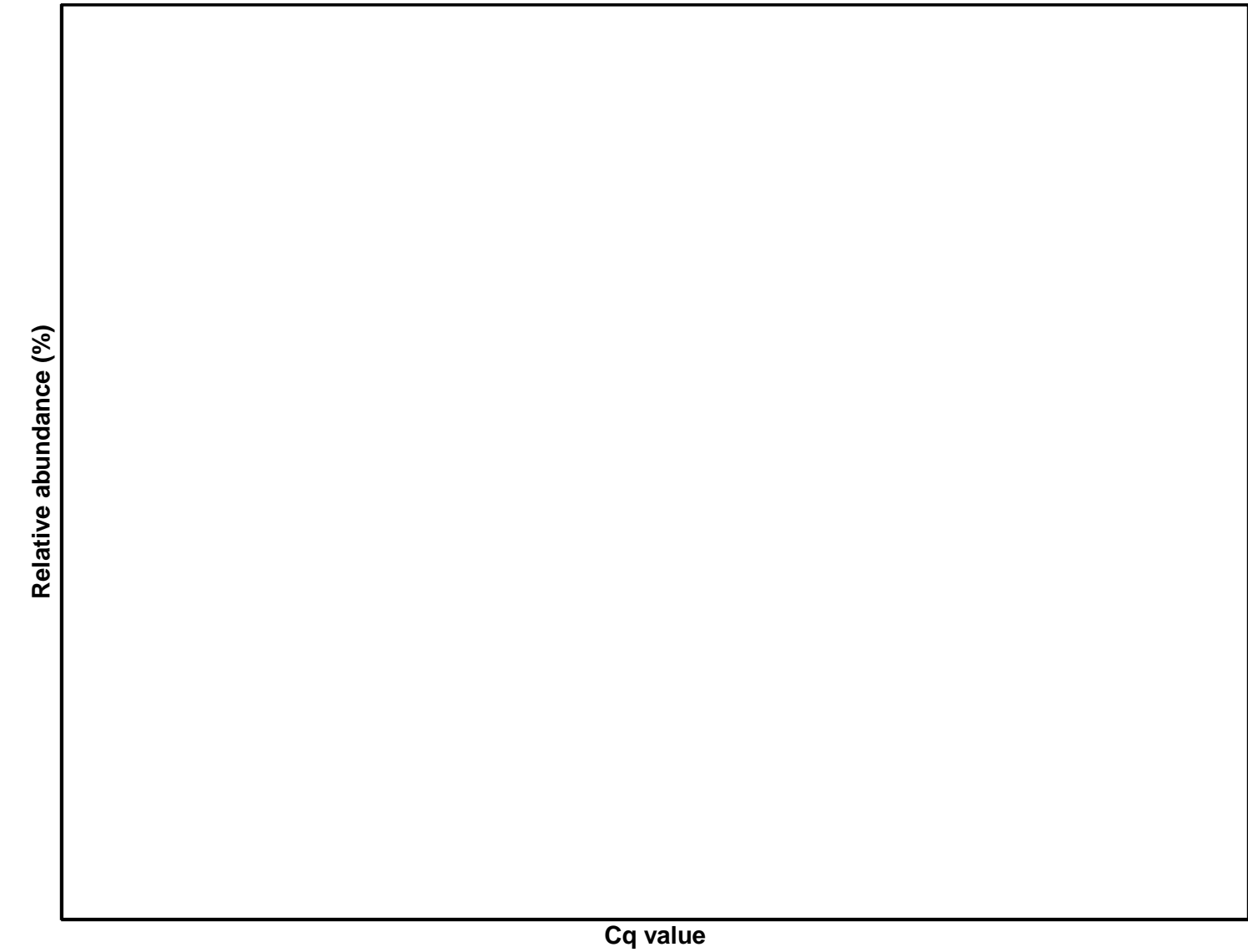


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Enterococcaceae; D_5__Enterococcus; D_6__Enterococcus faecalis

Correlation with all samples

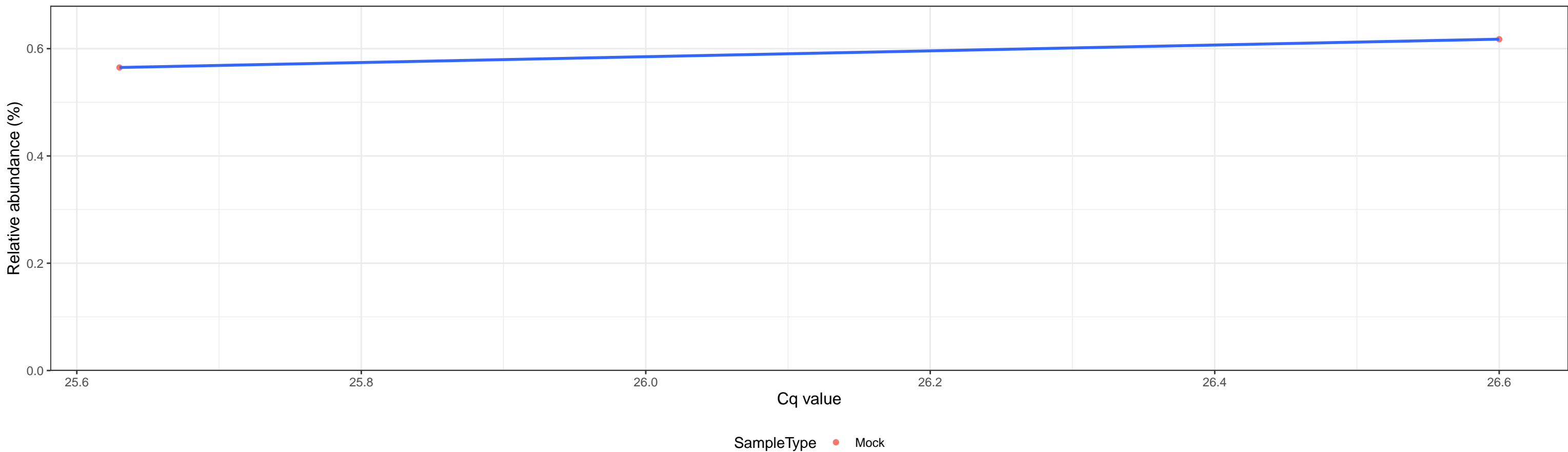


Correlation within the sample type:

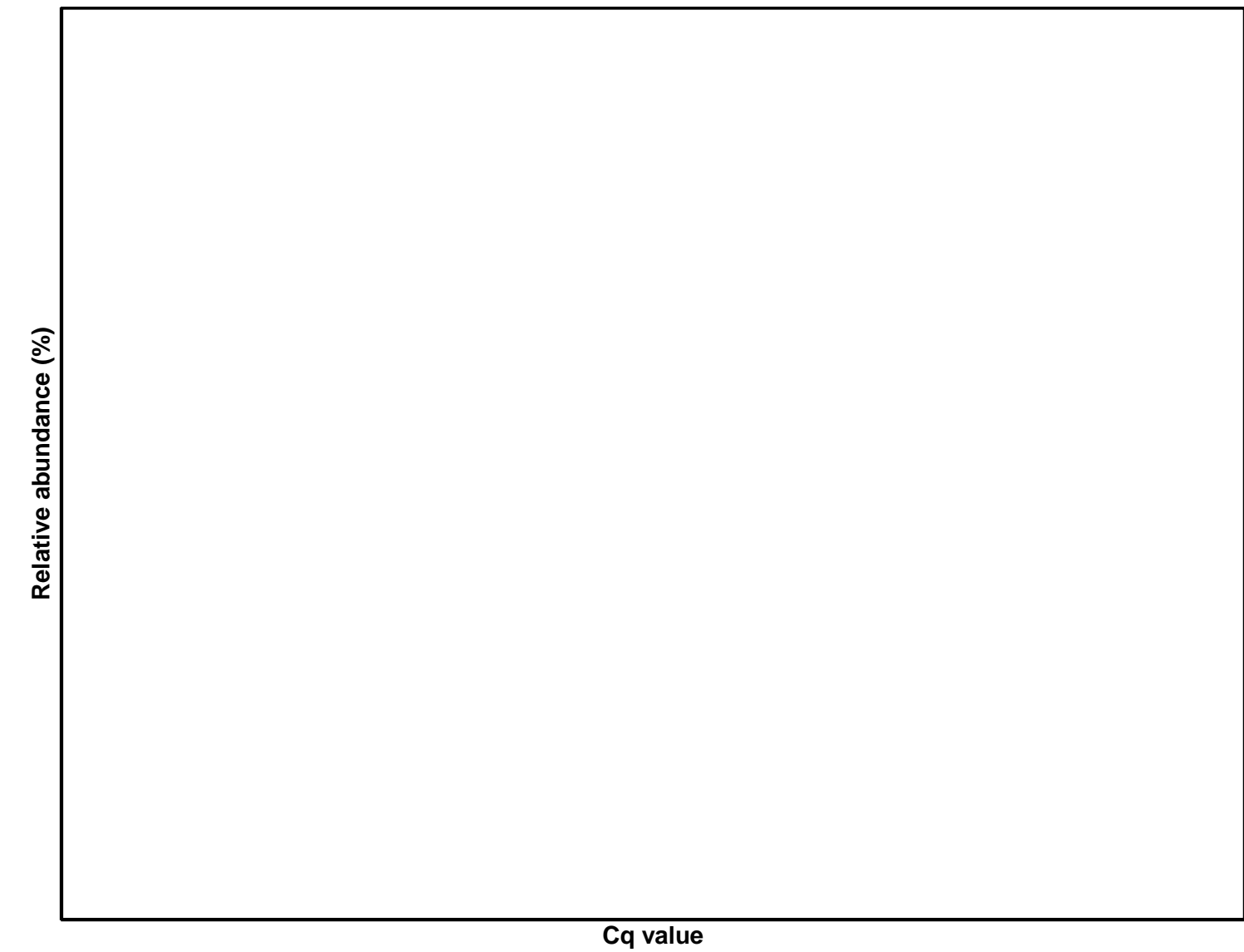


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Listeriaceae; D_5__Listeria; D_6__Listeria monocytogenes

Correlation with all samples

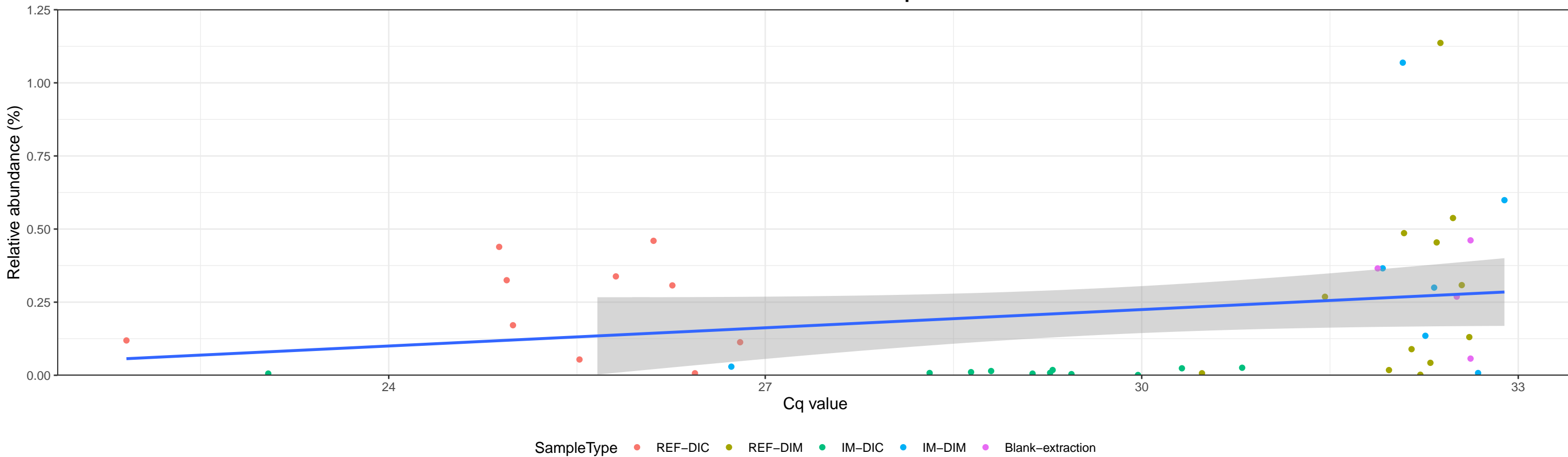


Correlation within the sample type:



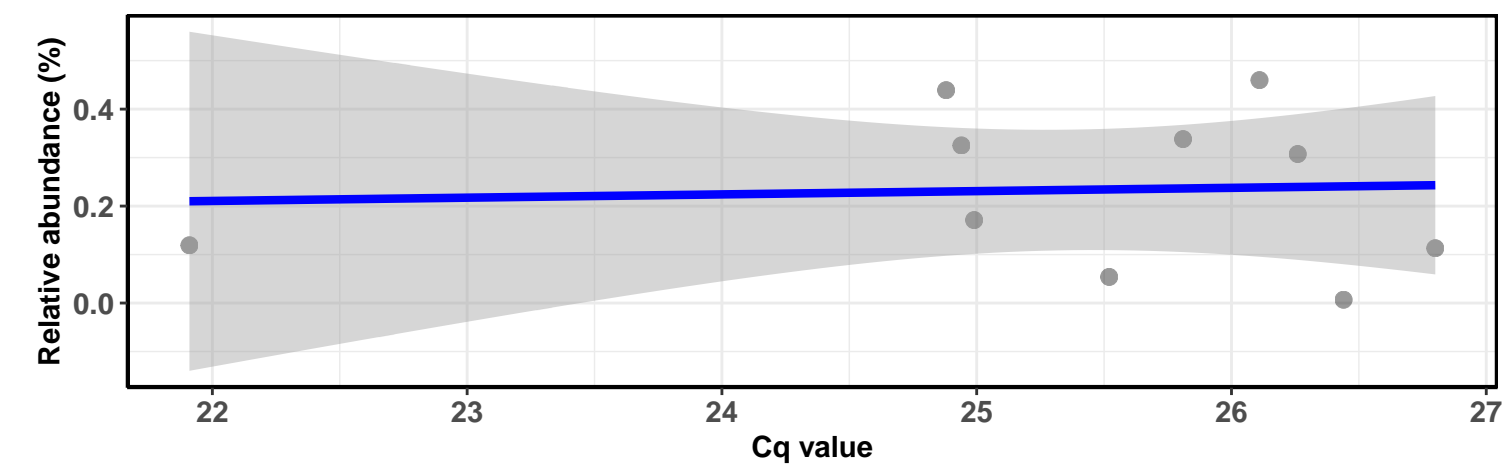
D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Propionibacteriales; D_4__Propionibacteriaceae; D_5__Cutibacterium

Correlation with all samples



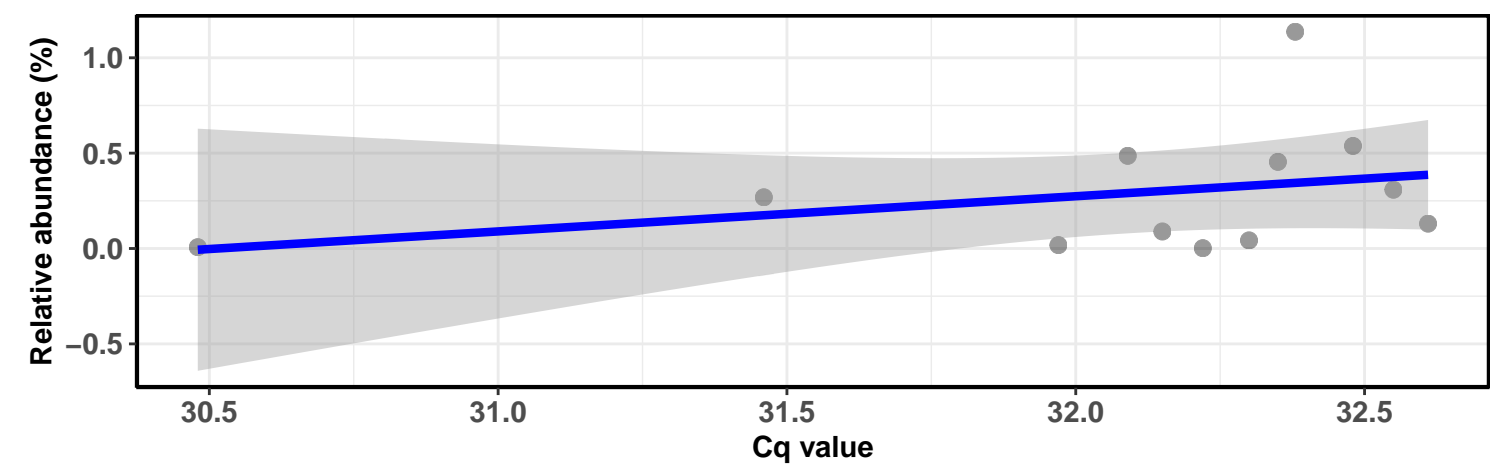
Correlation within the sample type: REF-DIC

$\log_e(S) = 5.366$, $p = 0.405$, $\rho_{\text{Spearman}} = -0.297$, $\text{CI}_{95\%} [-0.781, 0.409]$, $n = 10$



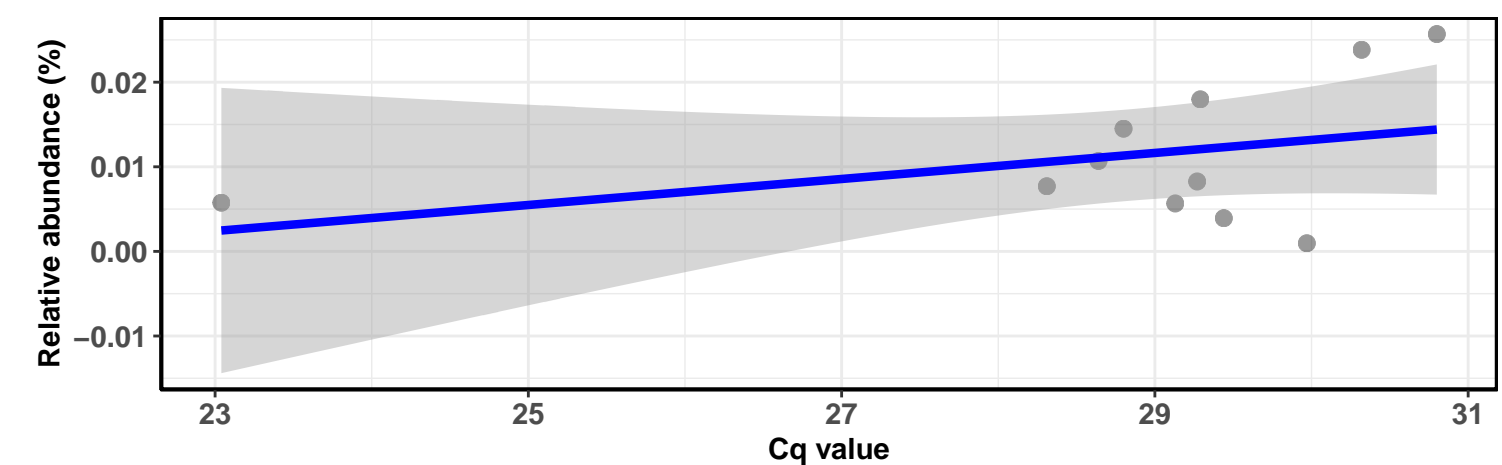
Correlation within the sample type: REF-DIM

$\log_e(S) = 5.024$, $p = 0.124$, $\rho_{\text{Spearman}} = 0.469$, $\text{CI}_{95\%} [-0.144, 0.822]$, $n = 12$



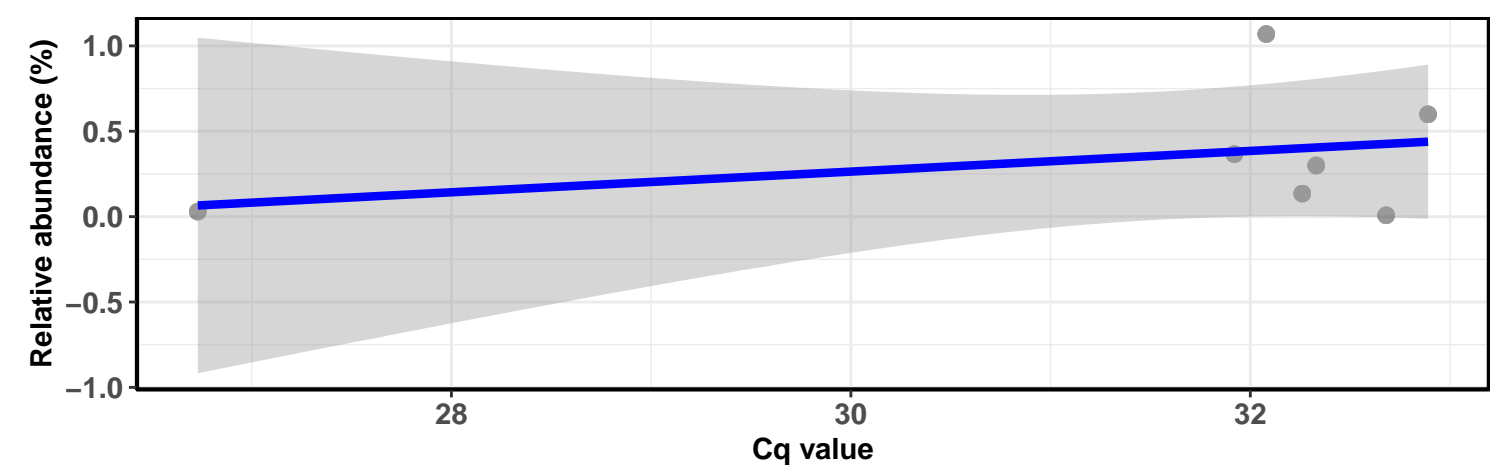
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.063$, $p = 0.401$, $\rho_{\text{Spearman}} = 0.282$, $\text{CI}_{95\%} [-0.383, 0.754]$, $n = 11$



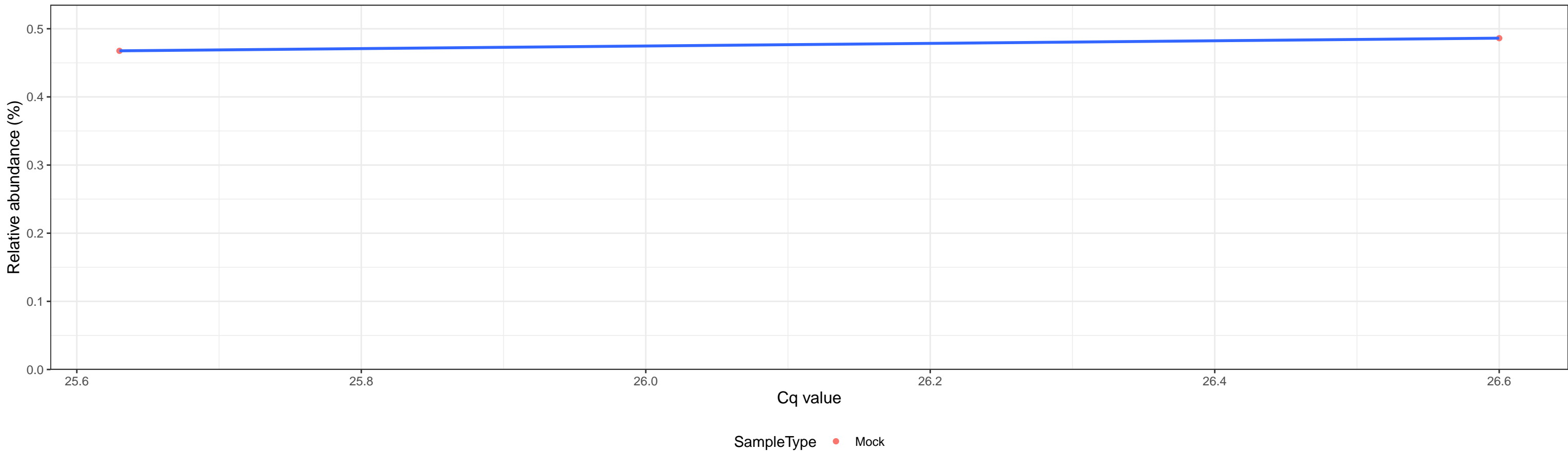
Correlation within the sample type: IM-DIM

$\log_e(S) = 3.989$, $p = 0.939$, $\rho_{\text{Spearman}} = 0.036$, $\text{CI}_{95\%} [-0.737, 0.768]$, $n = 7$

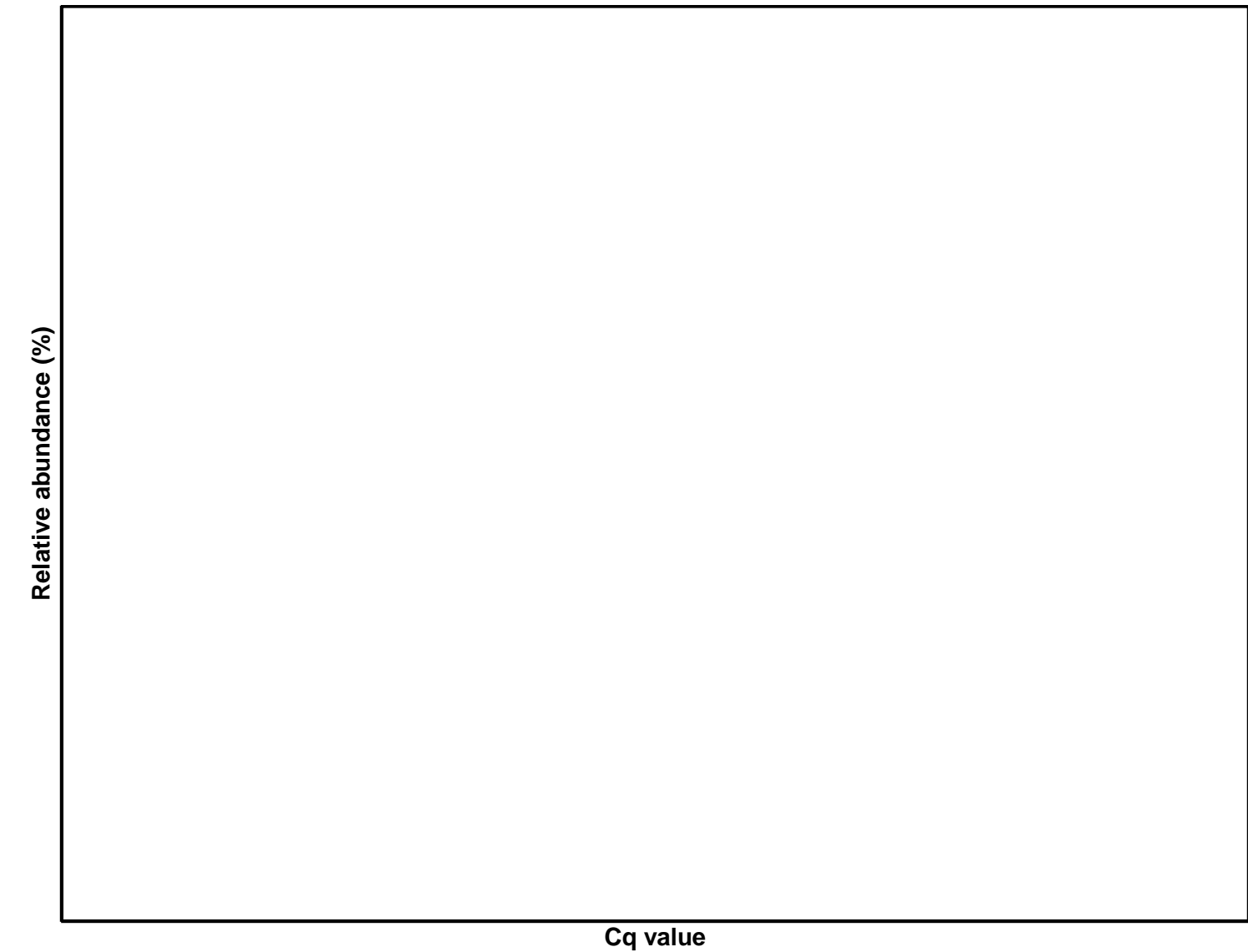


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Enterococcaceae; D_5__Enterococcus; D_6__Enterococcus faecalis

Correlation with all samples

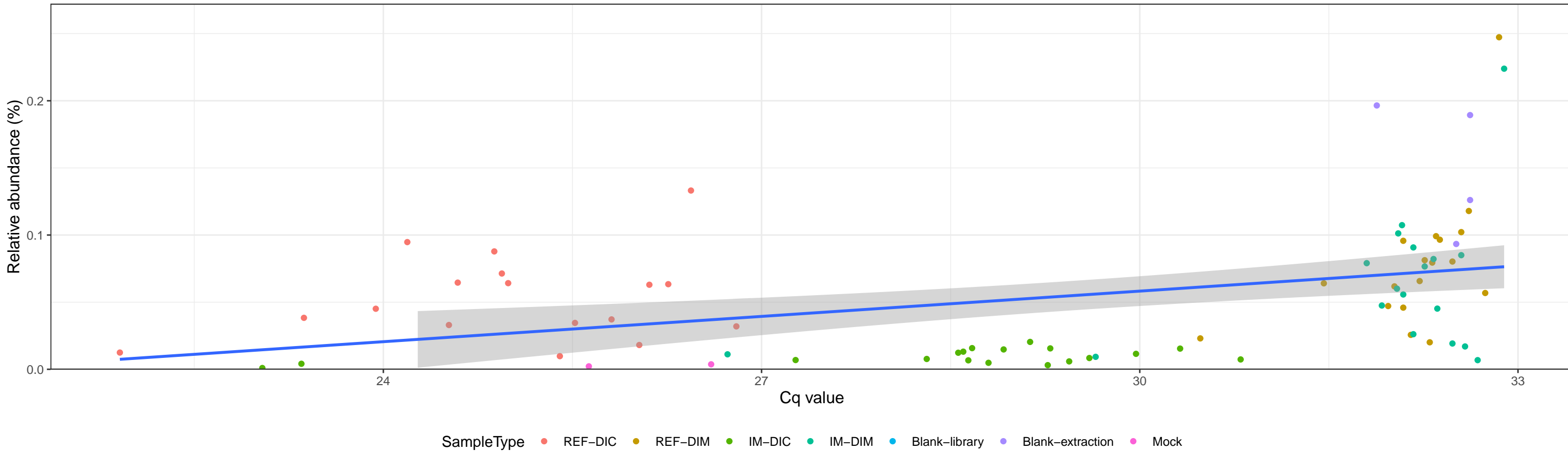


Correlation within the sample type:



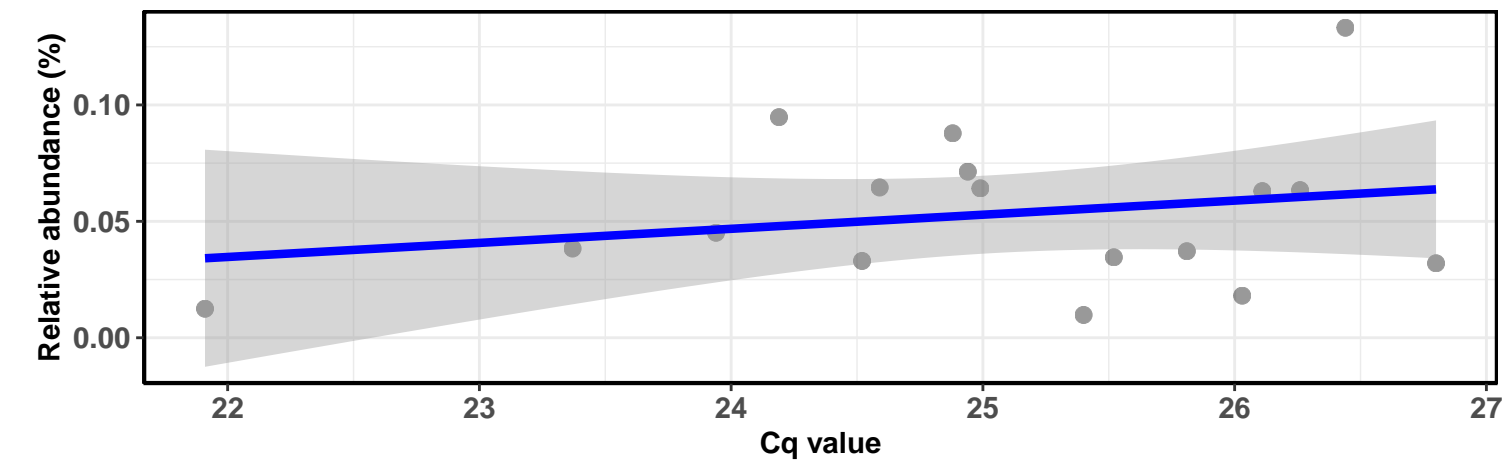
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



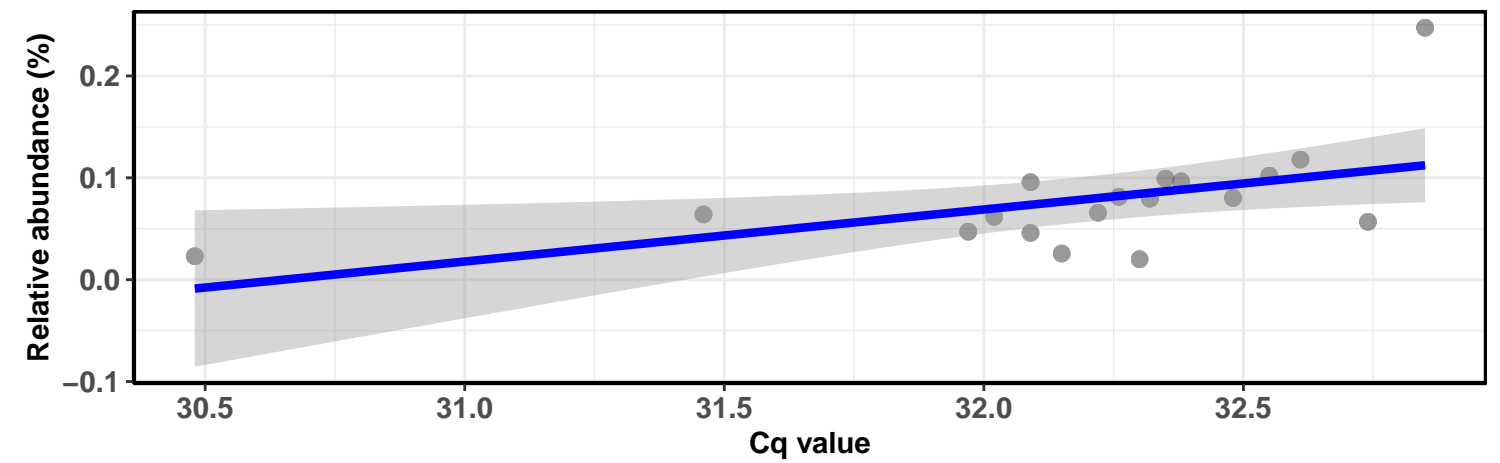
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.695$, $p = 0.970$, $\rho_{\text{Spearman}} = 0.010$, $CI_{95\%} [-0.473, 0.488]$, $n = 17$



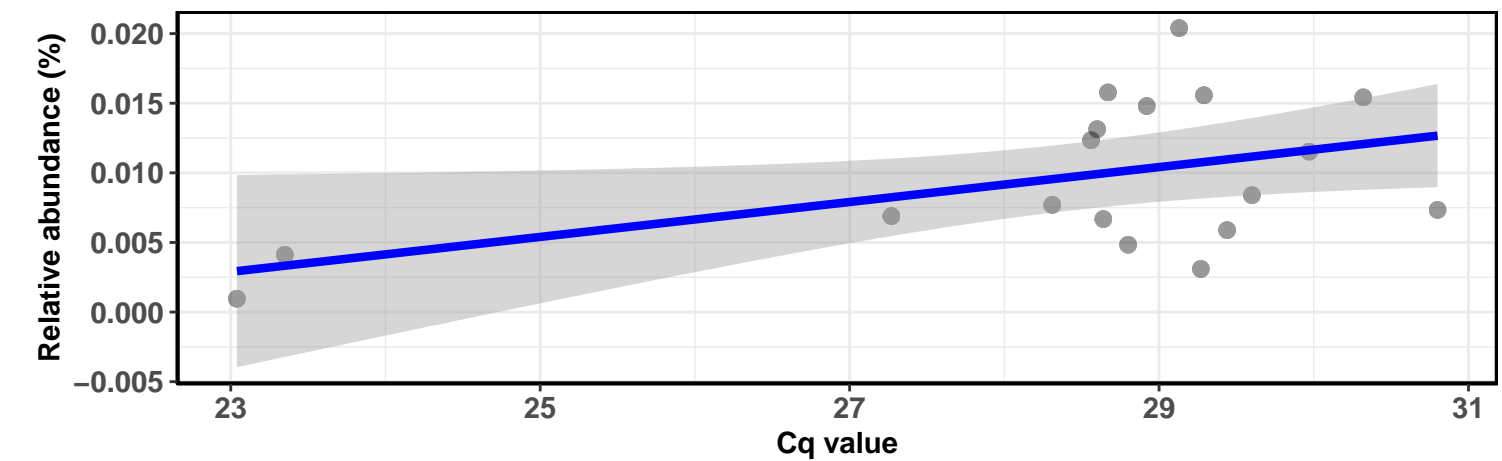
Correlation within the sample type: REF-DIM

$\log_e(S) = 5.882$, $p = 0.005$, $\rho_{\text{Spearman}} = 0.630$, $CI_{95\%} [0.231, 0.847]$, $n = 18$



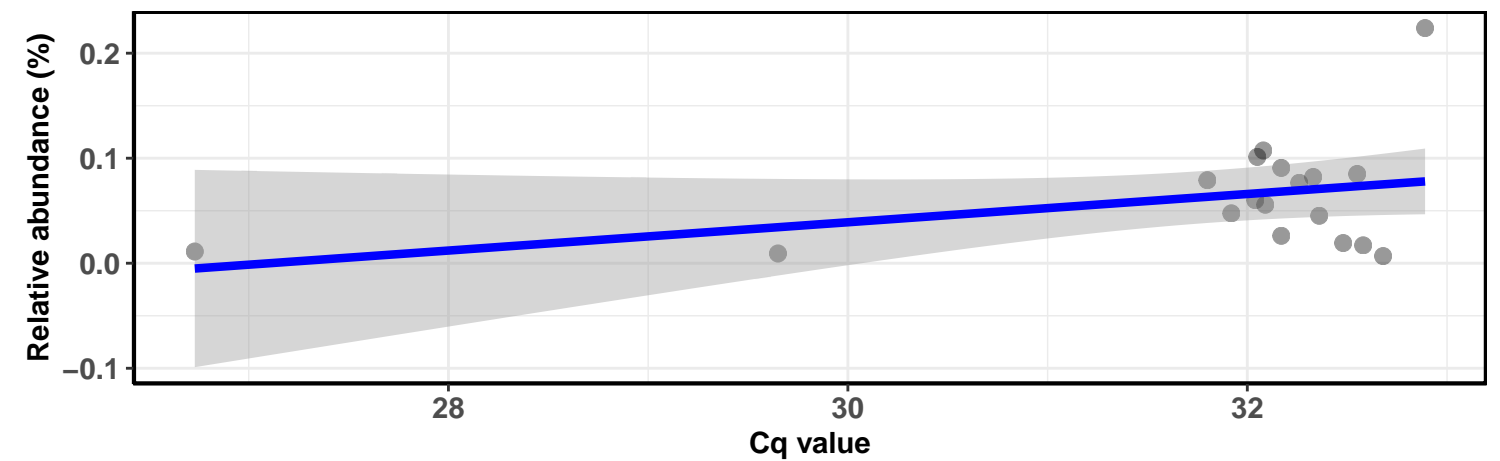
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.486$, $p = 0.191$, $\rho_{\text{Spearman}} = 0.323$, $CI_{95\%} [-0.169, 0.686]$, $n = 18$



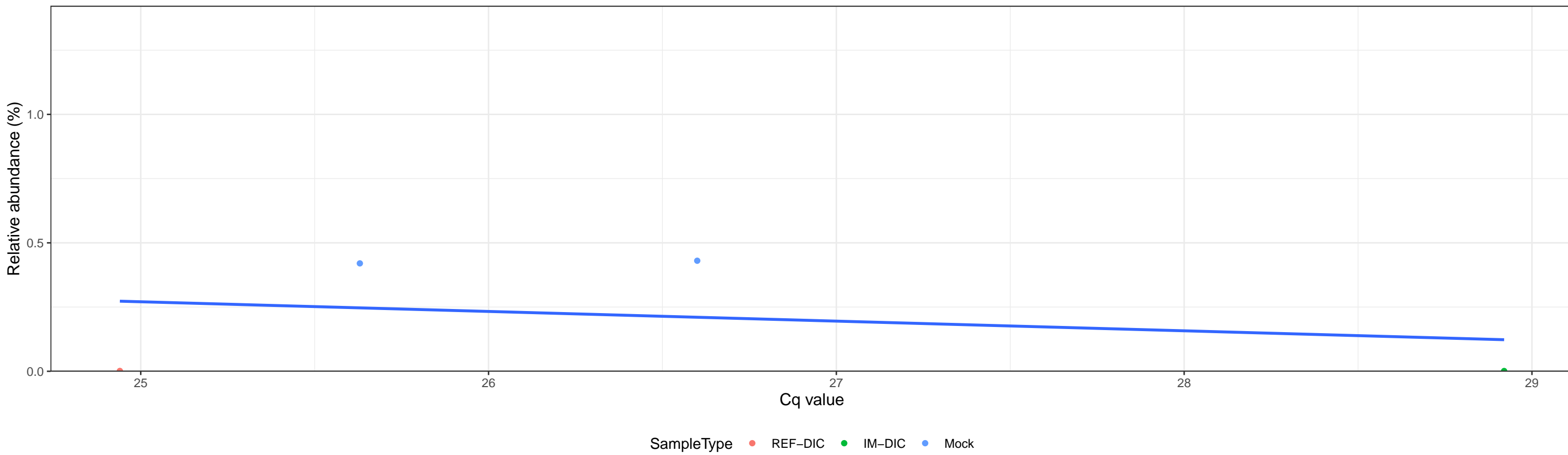
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.790$, $p = 0.745$, $\rho_{\text{Spearman}} = 0.083$, $CI_{95\%} [-0.400, 0.529]$, $n = 18$

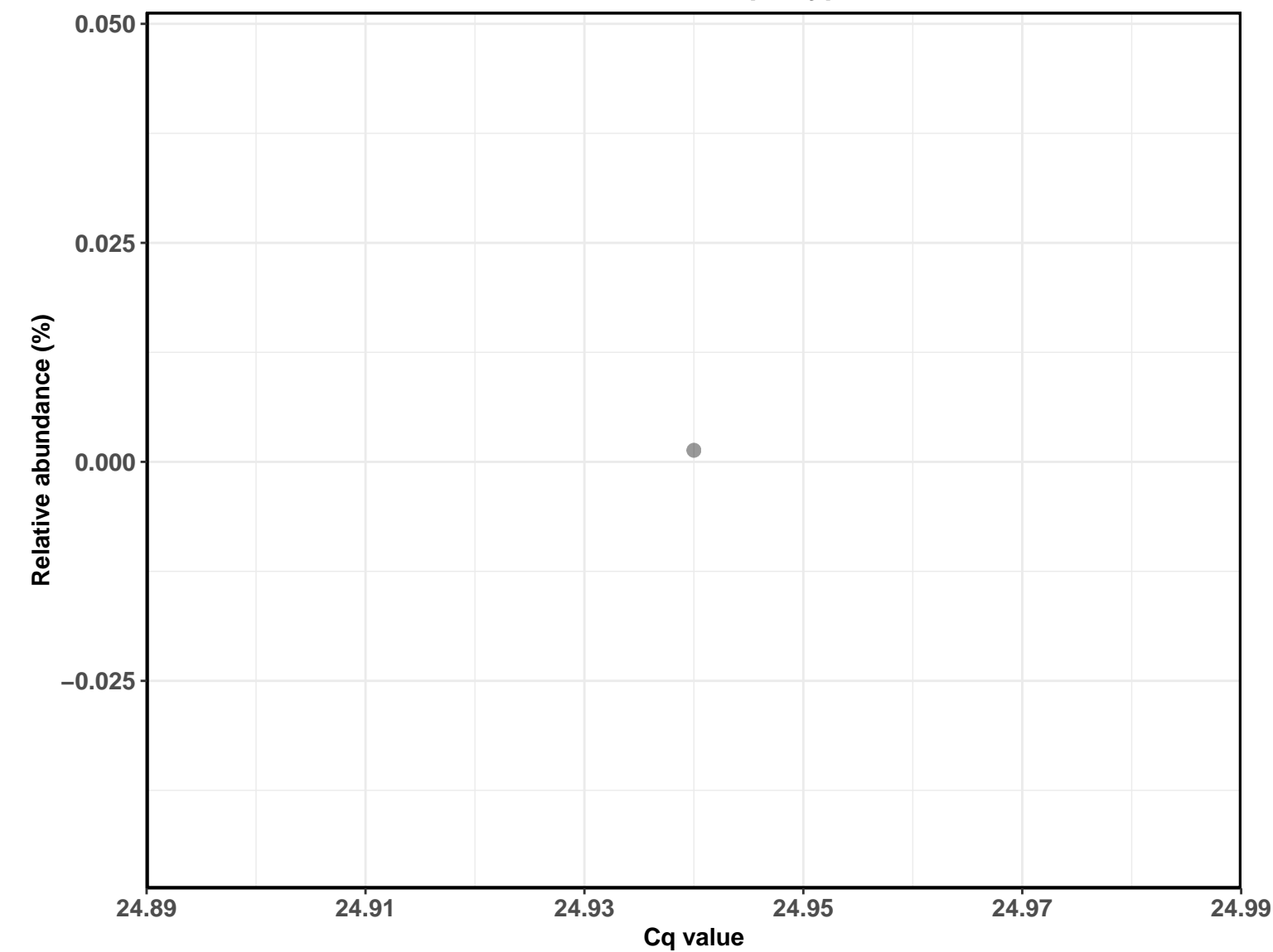


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

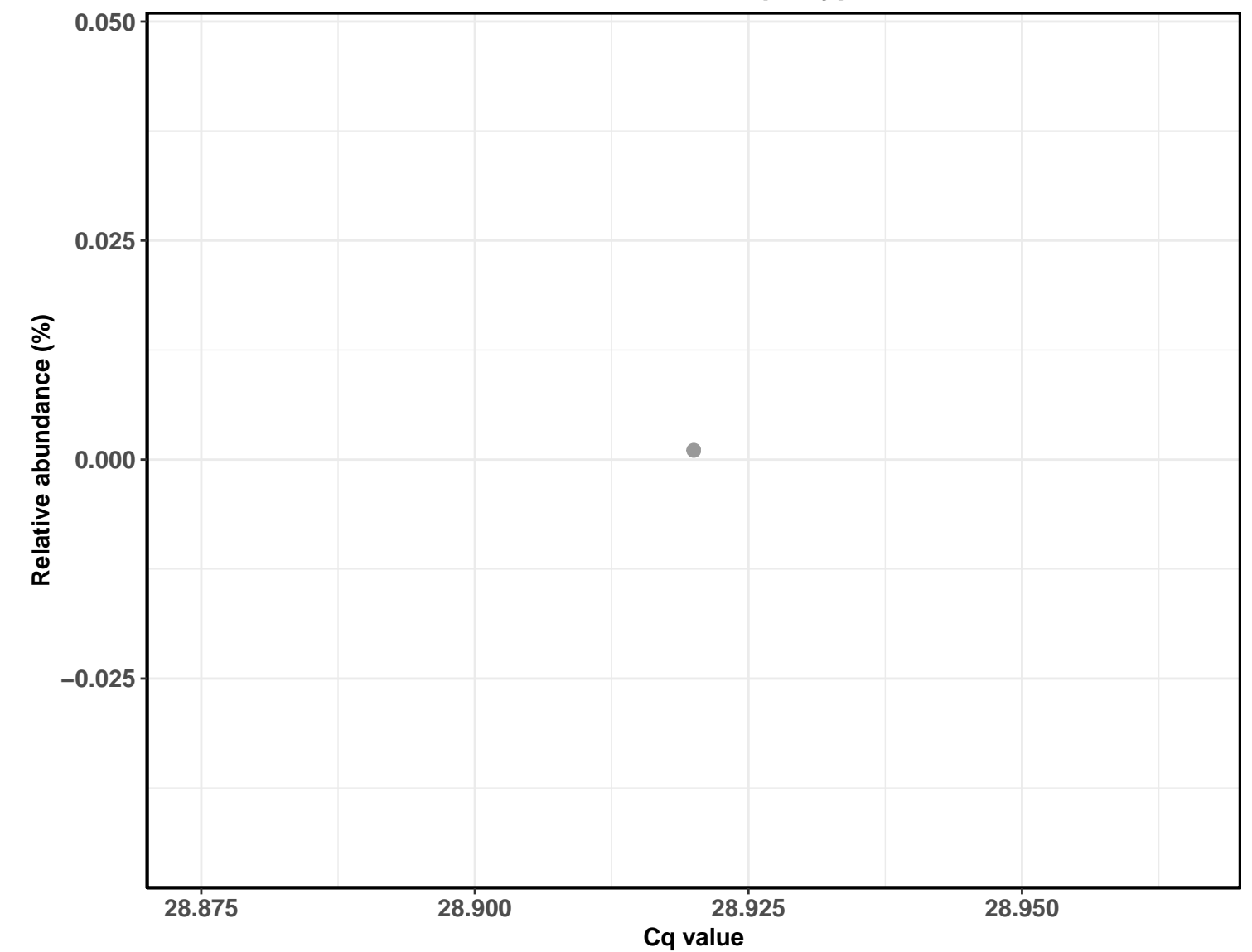
Correlation with all samples



Correlation within the sample type: REF-DIC

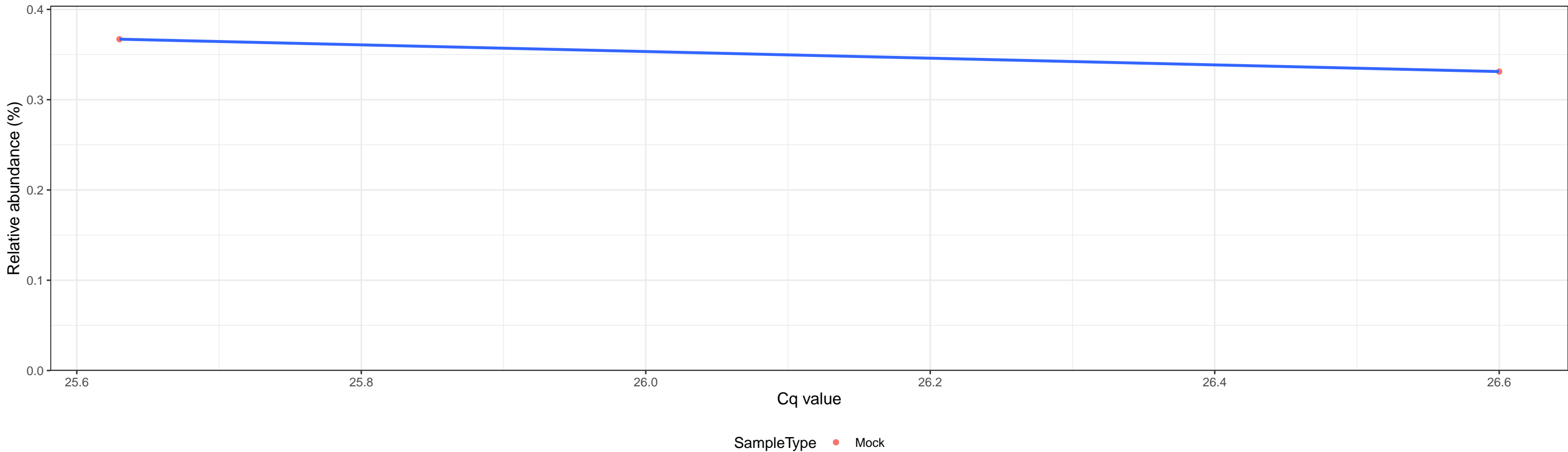


Correlation within the sample type: IM-DIC

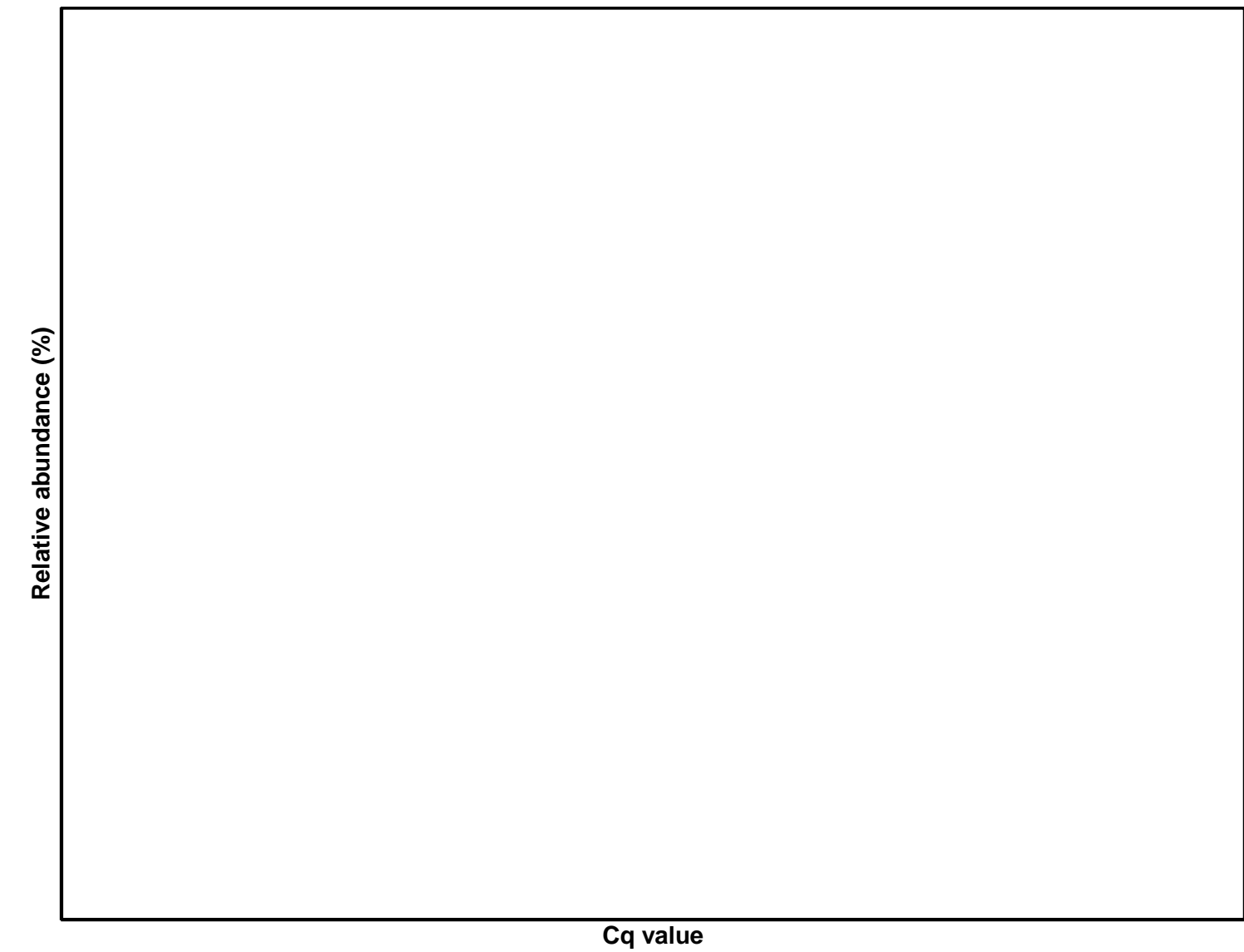


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

Correlation with all samples

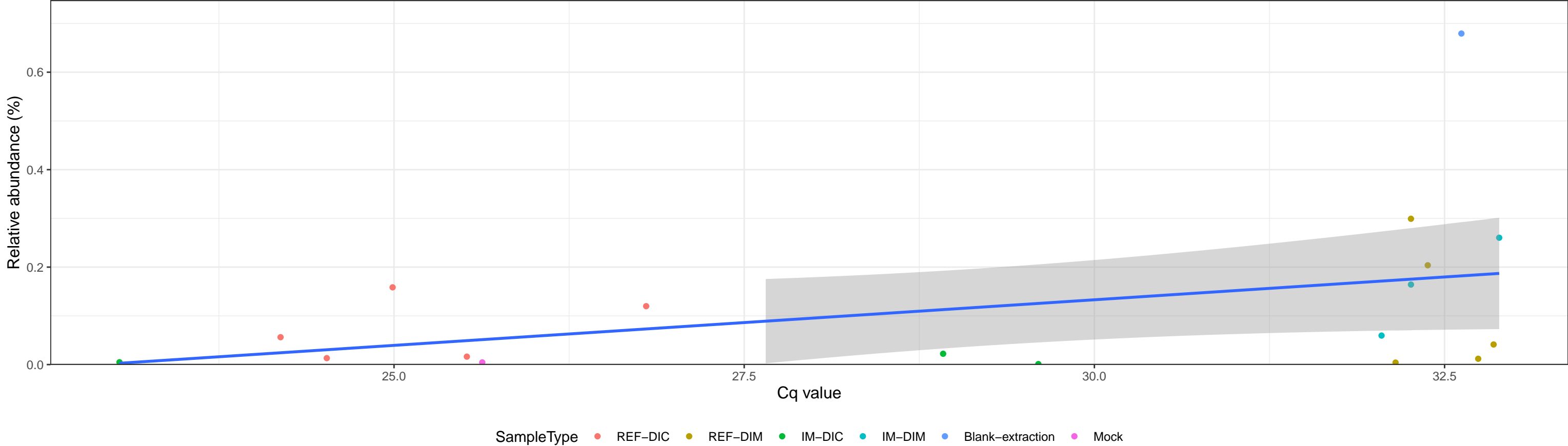


Correlation within the sample type:

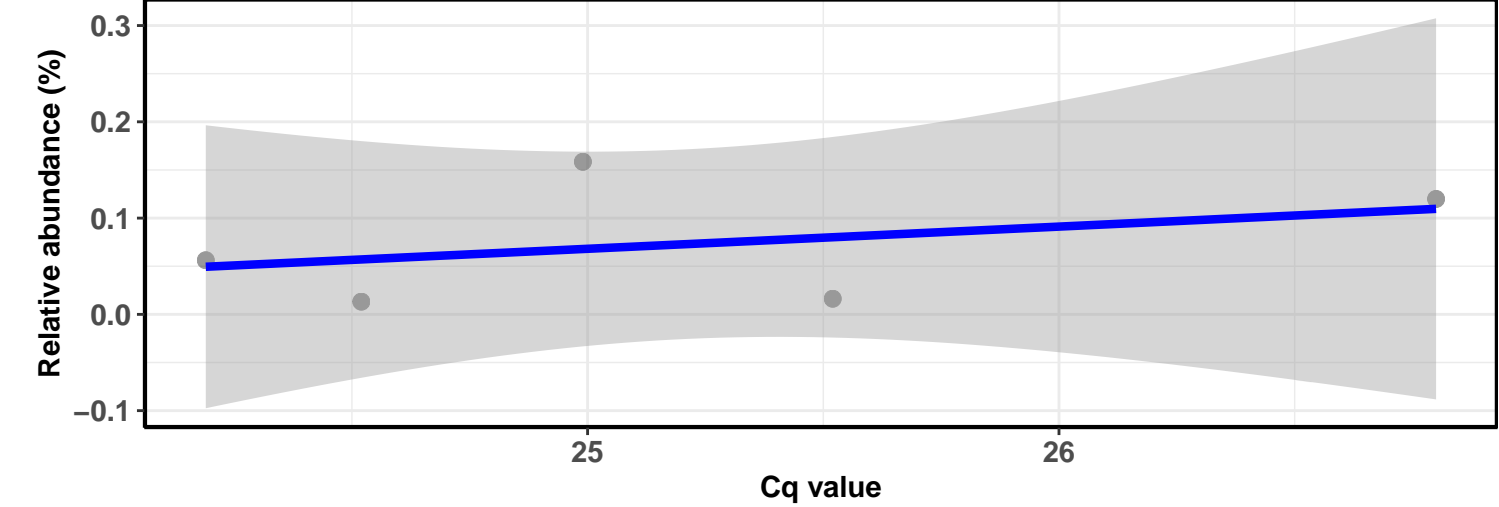


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Micrococcales; D_4__Microbacteriaceae; D_5__Curtobacterium; Ambiguous_taxa

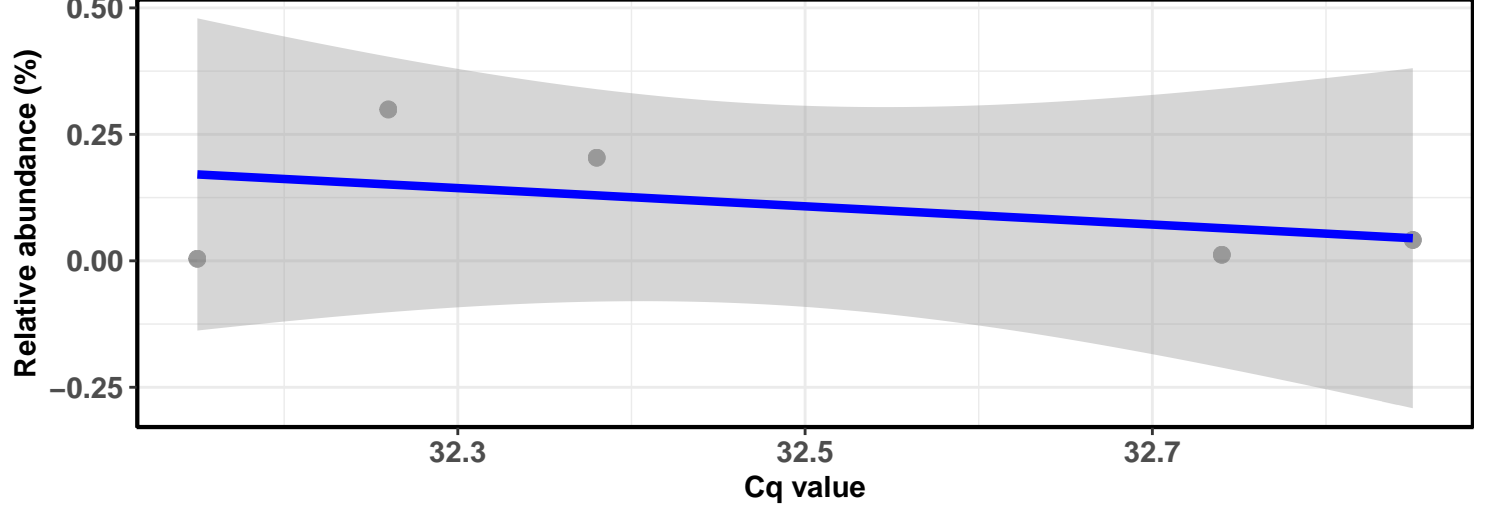
Correlation with all samples



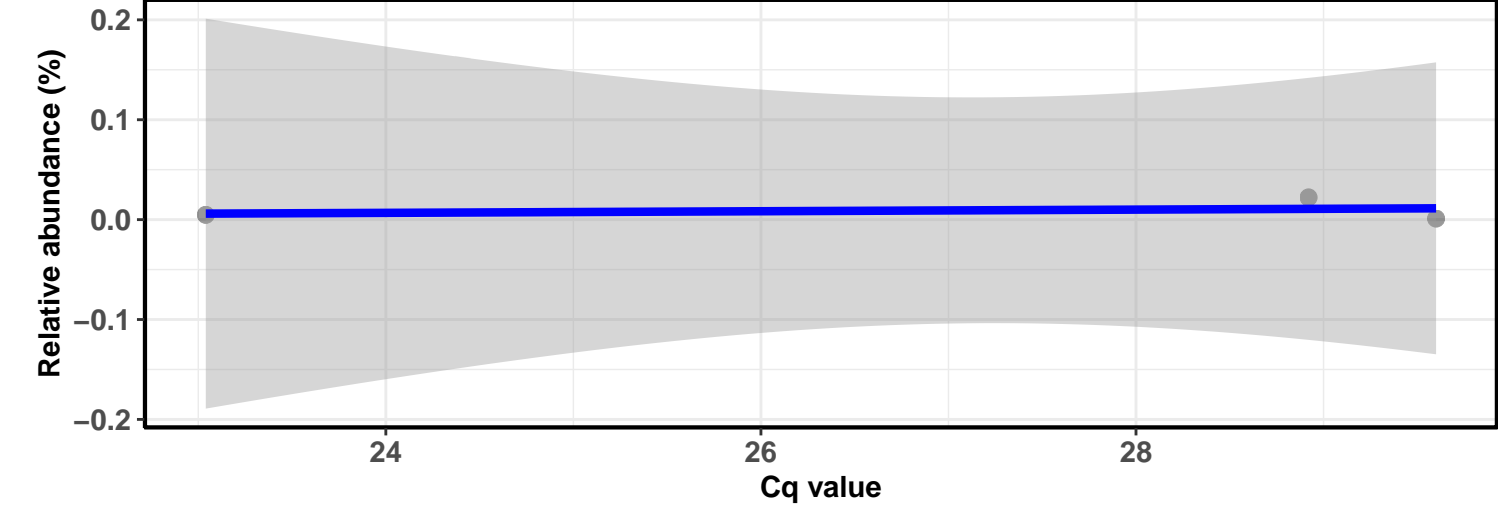
Correlation within the sample type: REF-DIC



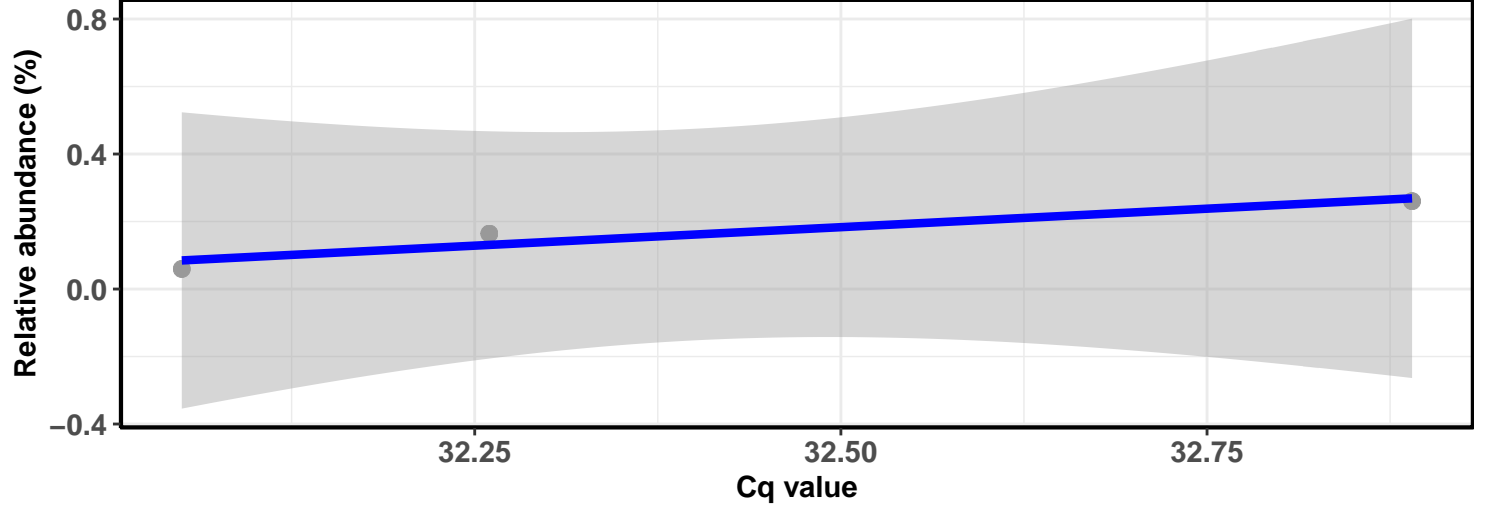
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

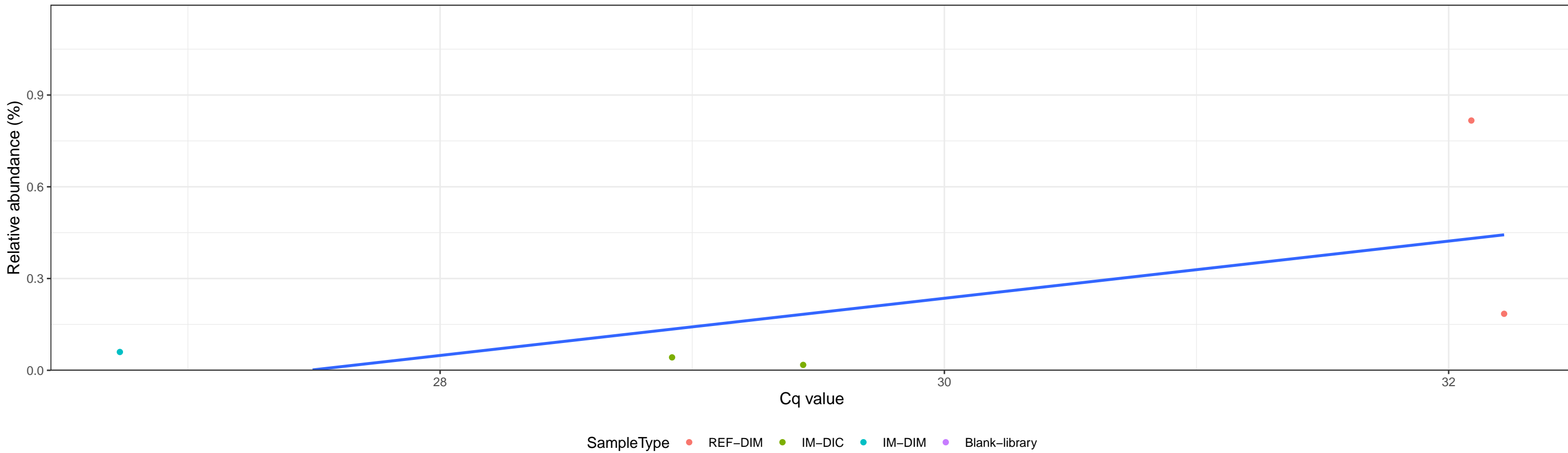


Correlation within the sample type: IM-DIM

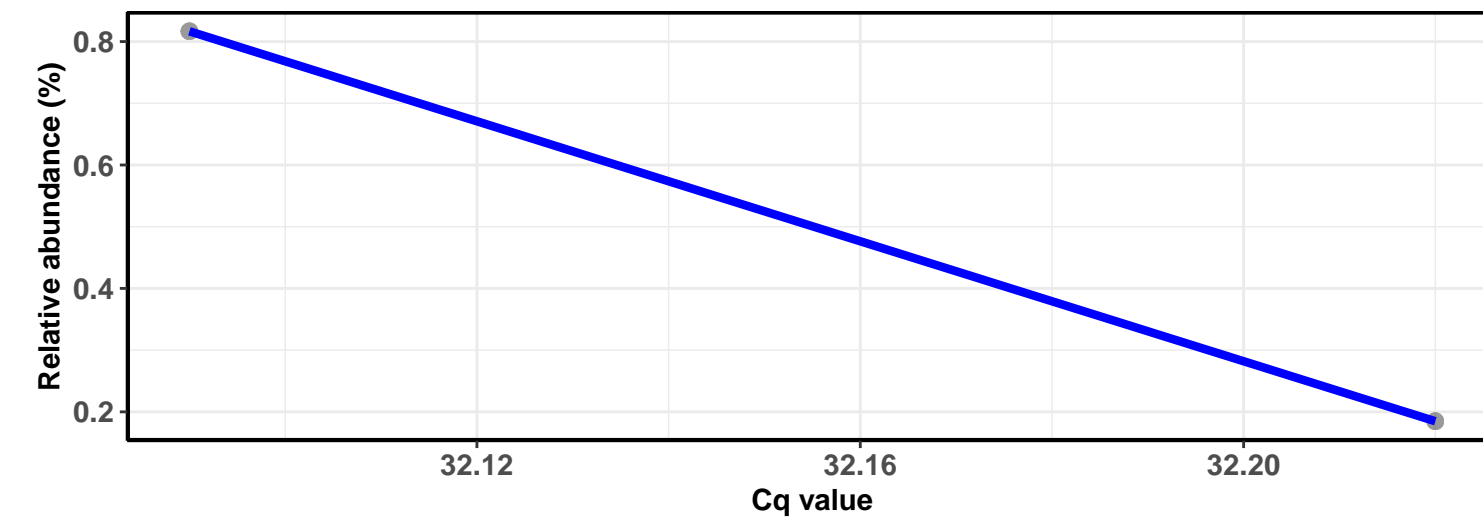


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Staphylococcaceae; D_5__Jeotgalicoccus; Ambiguous_taxa

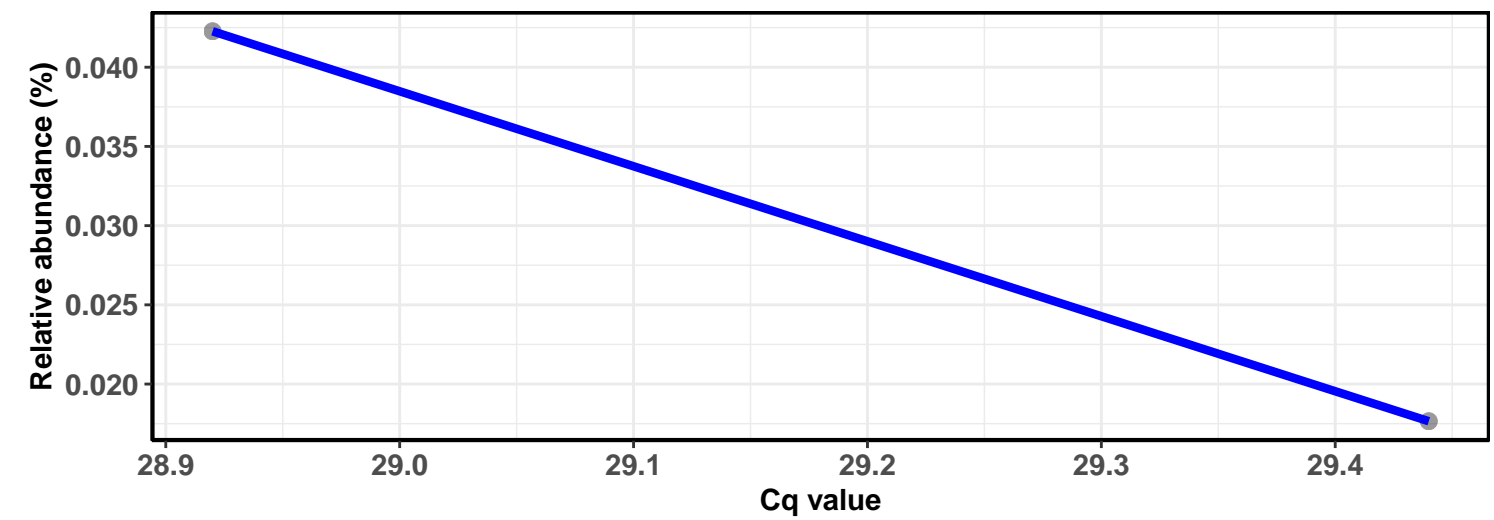
Correlation with all samples



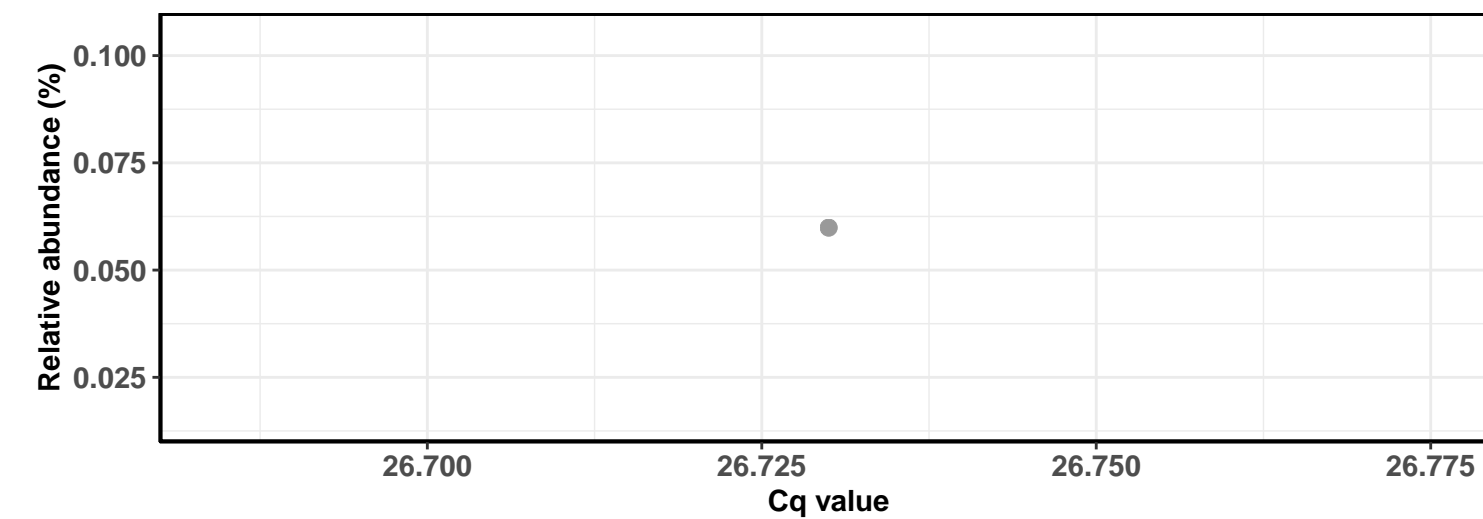
Correlation within the sample type: REF-DIM



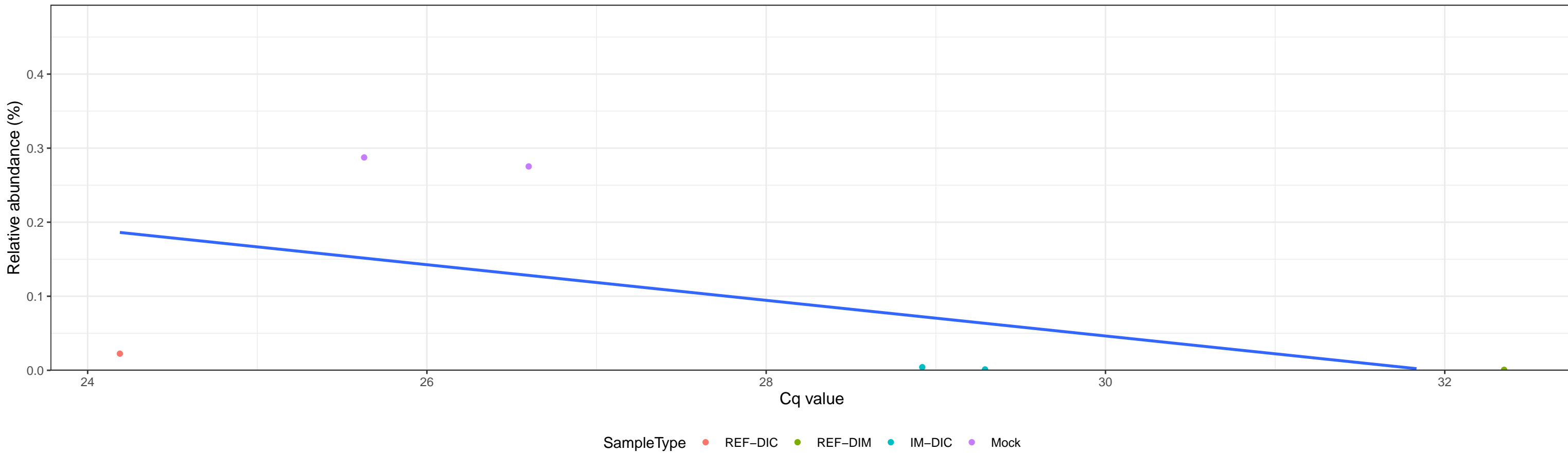
Correlation within the sample type: IM-DIC



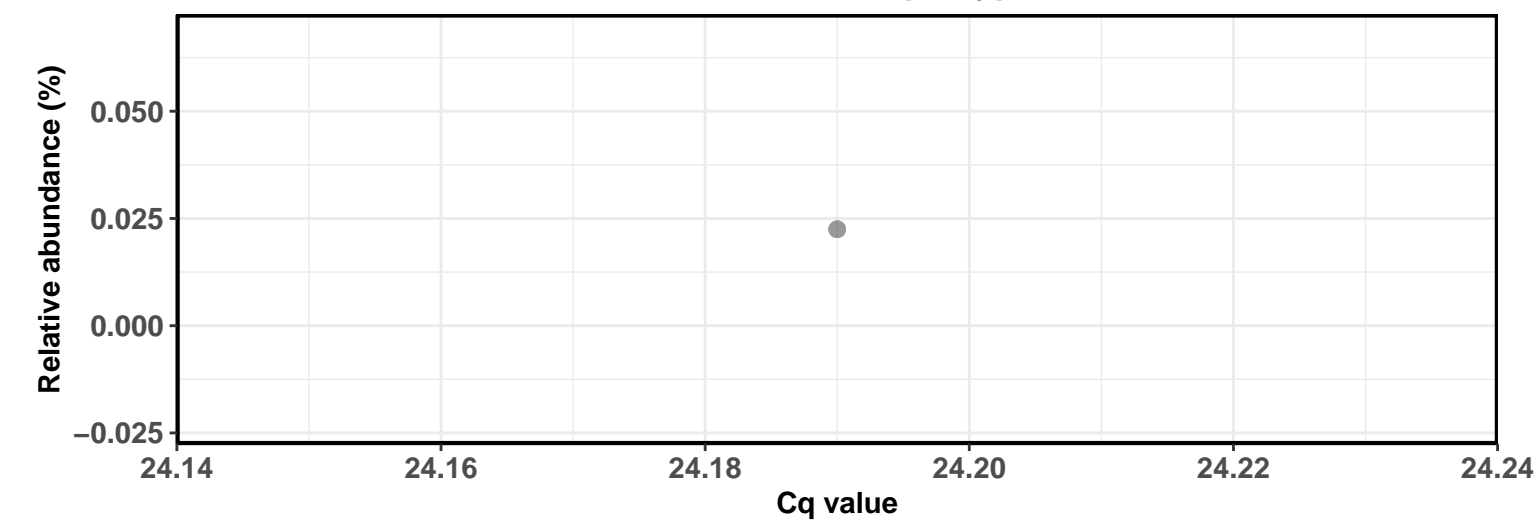
Correlation within the sample type: IM-DIM



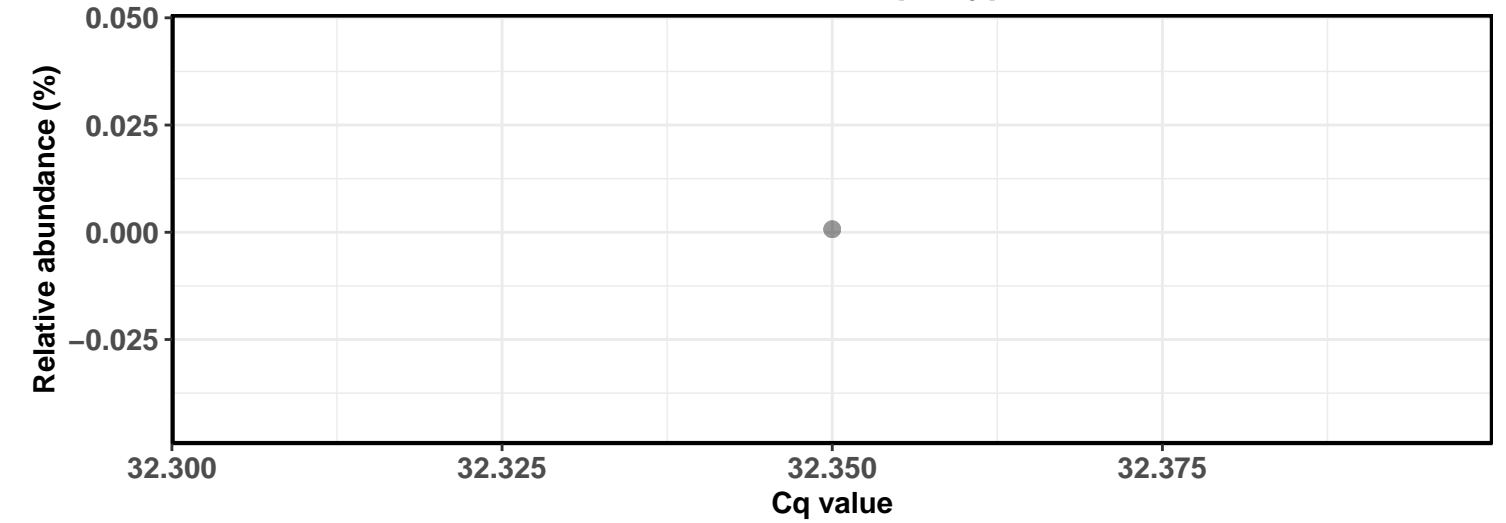
Correlation with all samples



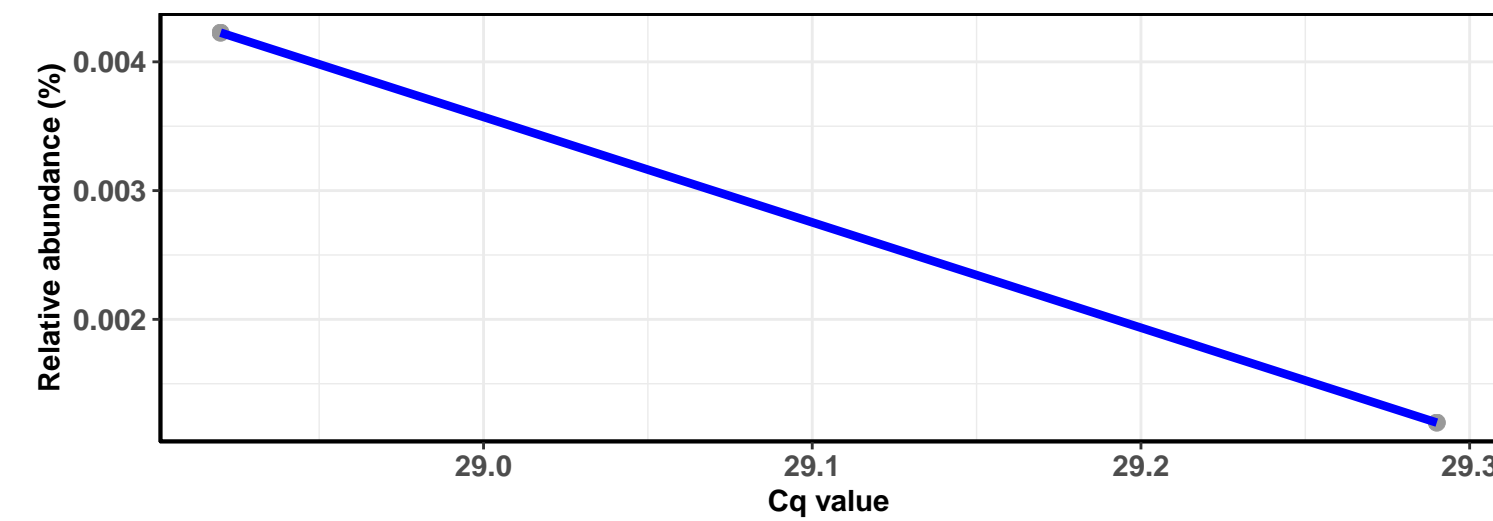
Correlation within the sample type: REF-DIC



Correlation within the sample type: REF-DIM

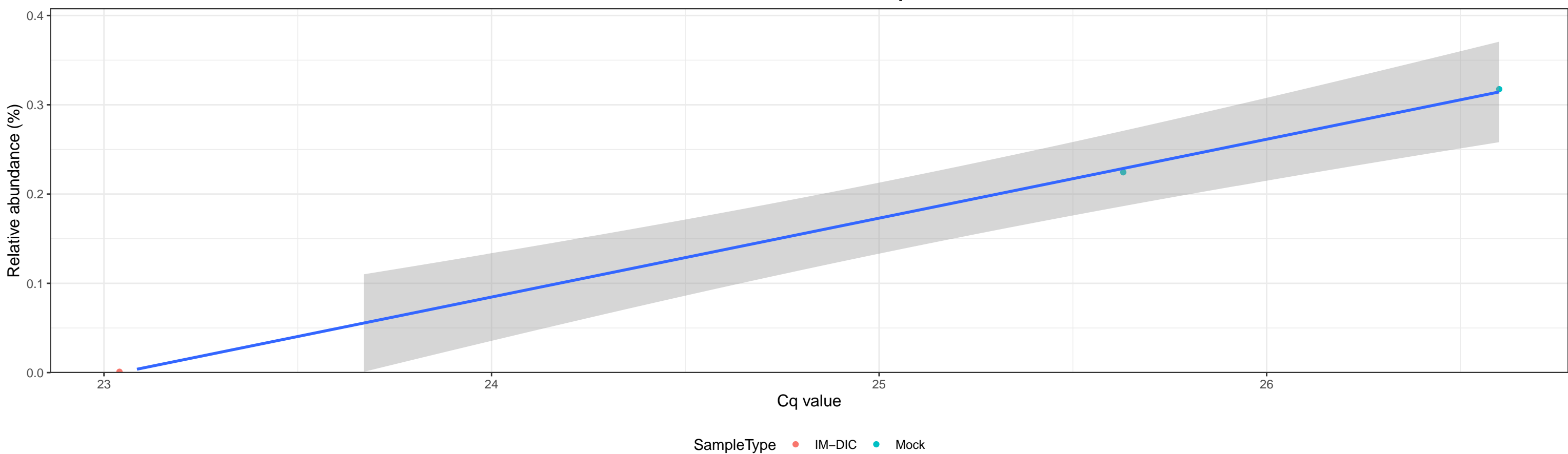


Correlation within the sample type: IM-DIC

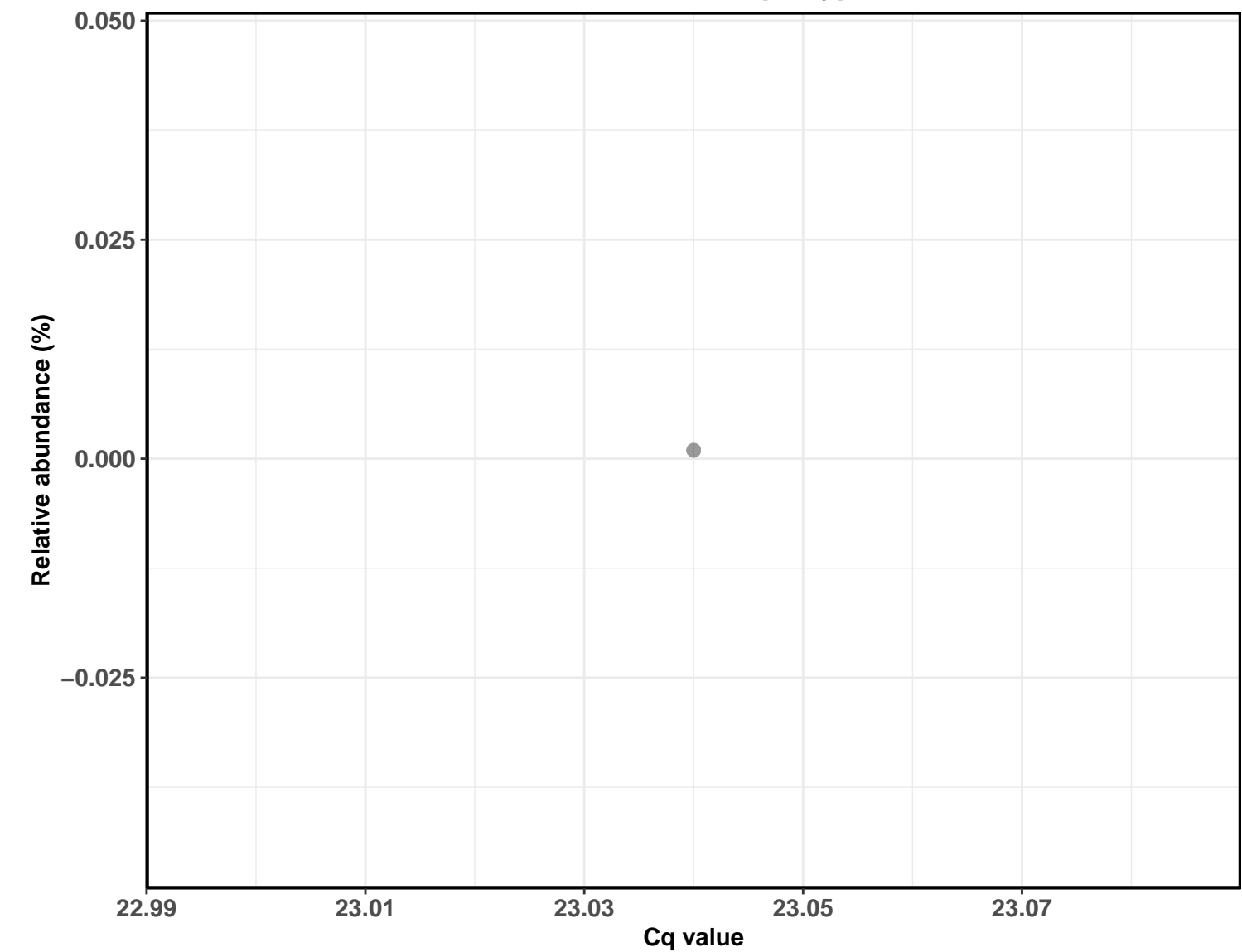


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Listeriaceae; D_5__Listeria; D_6__Listeria monocytogenes

Correlation with all samples

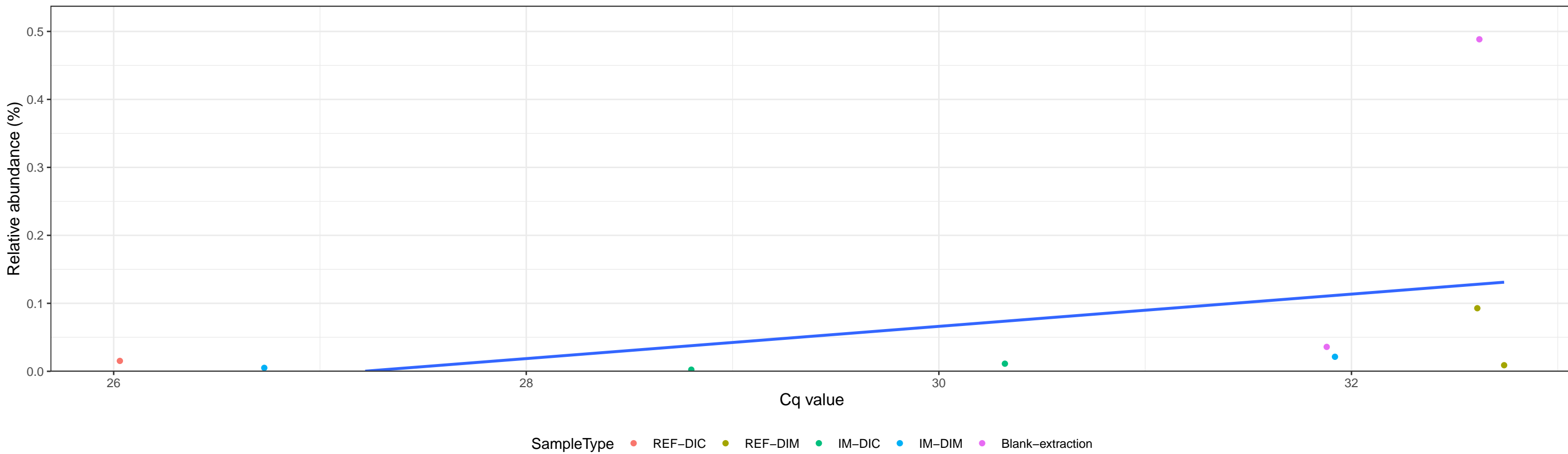


Correlation within the sample type: IM-DIC

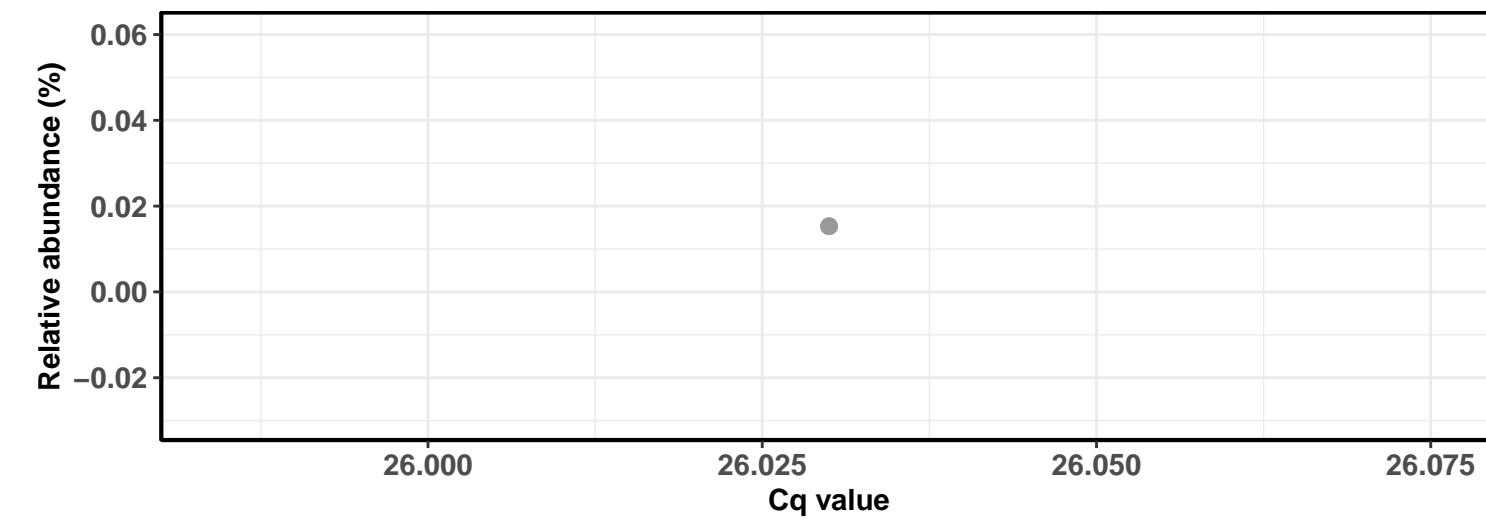


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Frankiales; D_4__Geodermatophilaceae; D_5__Modestobacter; Ambiguous_taxa

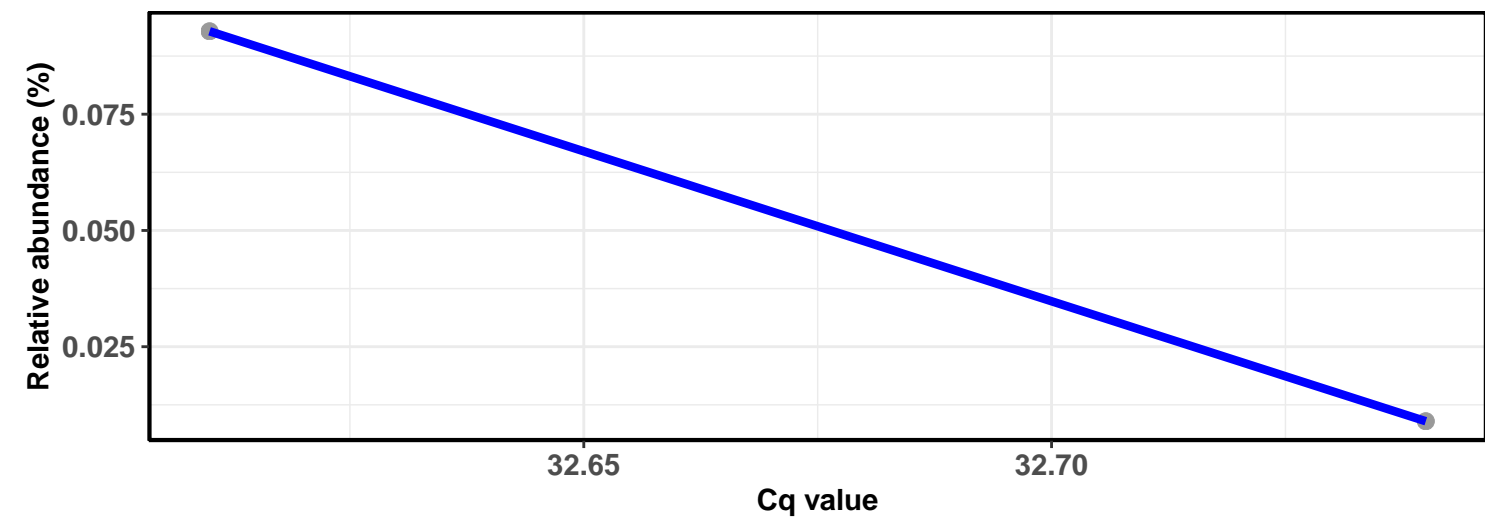
Correlation with all samples



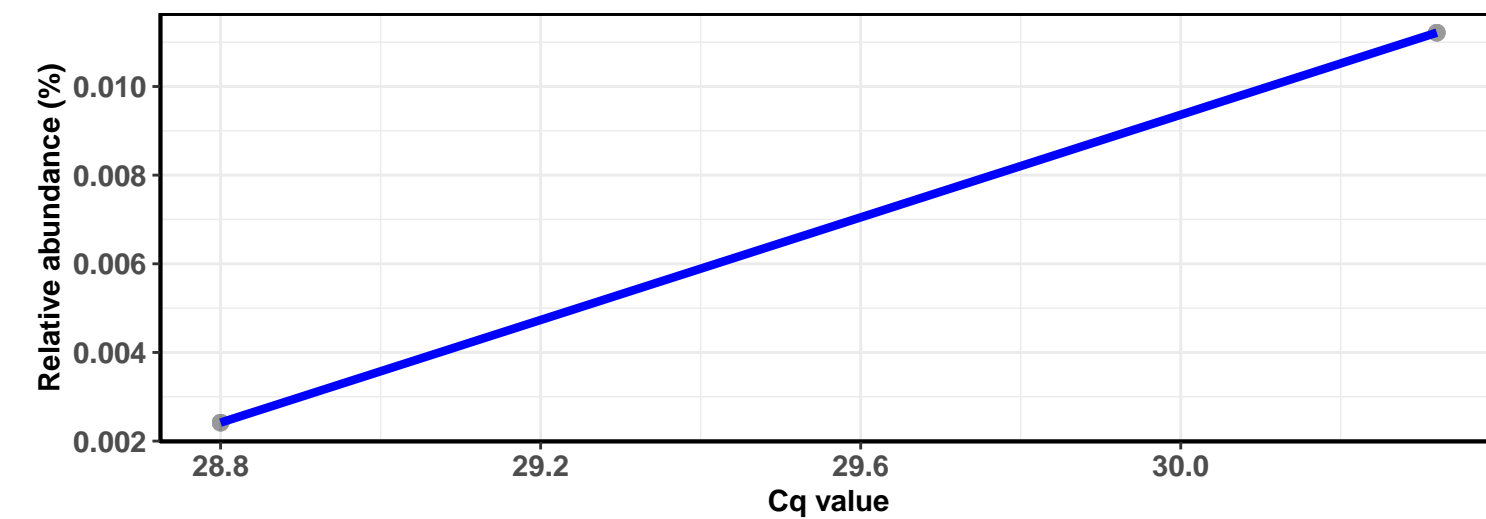
Correlation within the sample type: REF-DIC



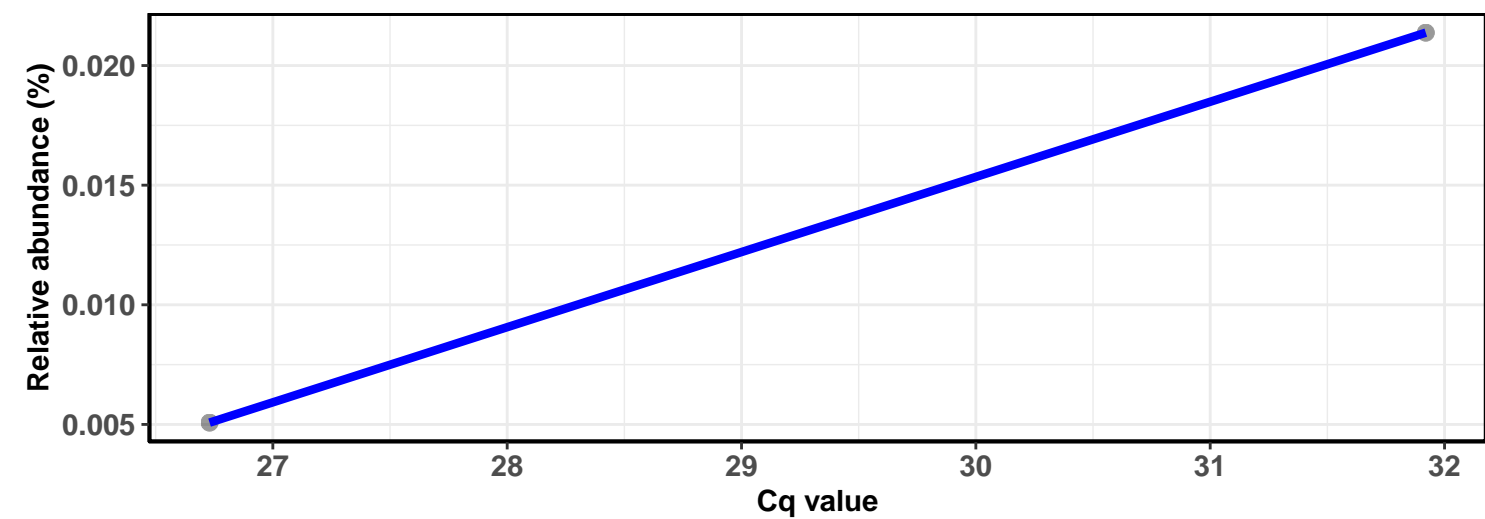
Correlation within the sample type: REF-DIM



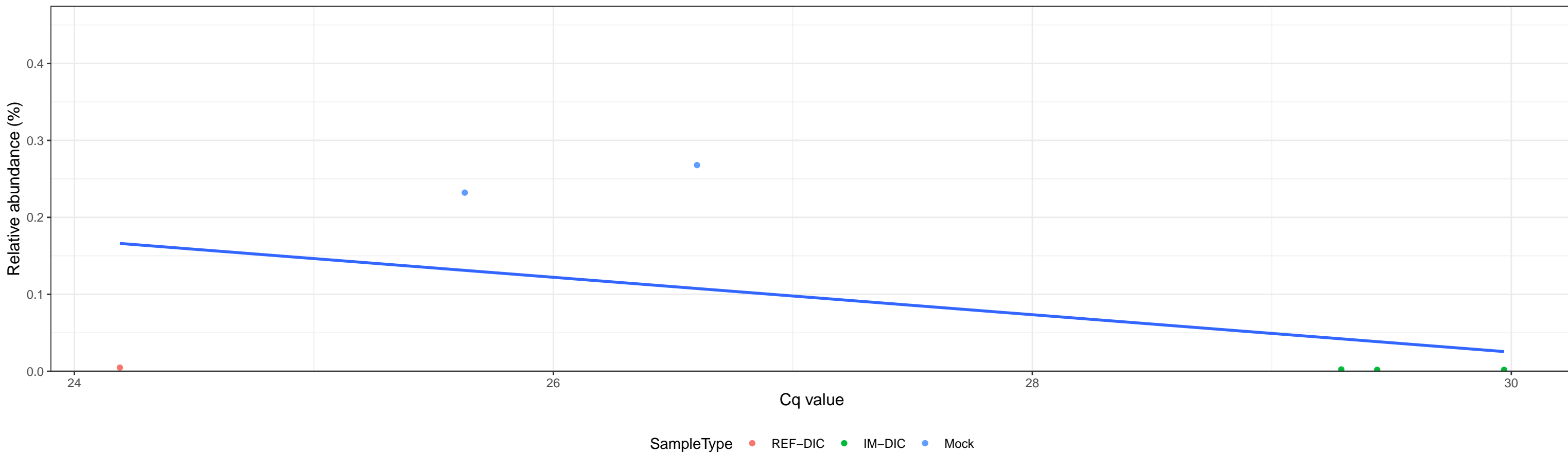
Correlation within the sample type: IM-DIC



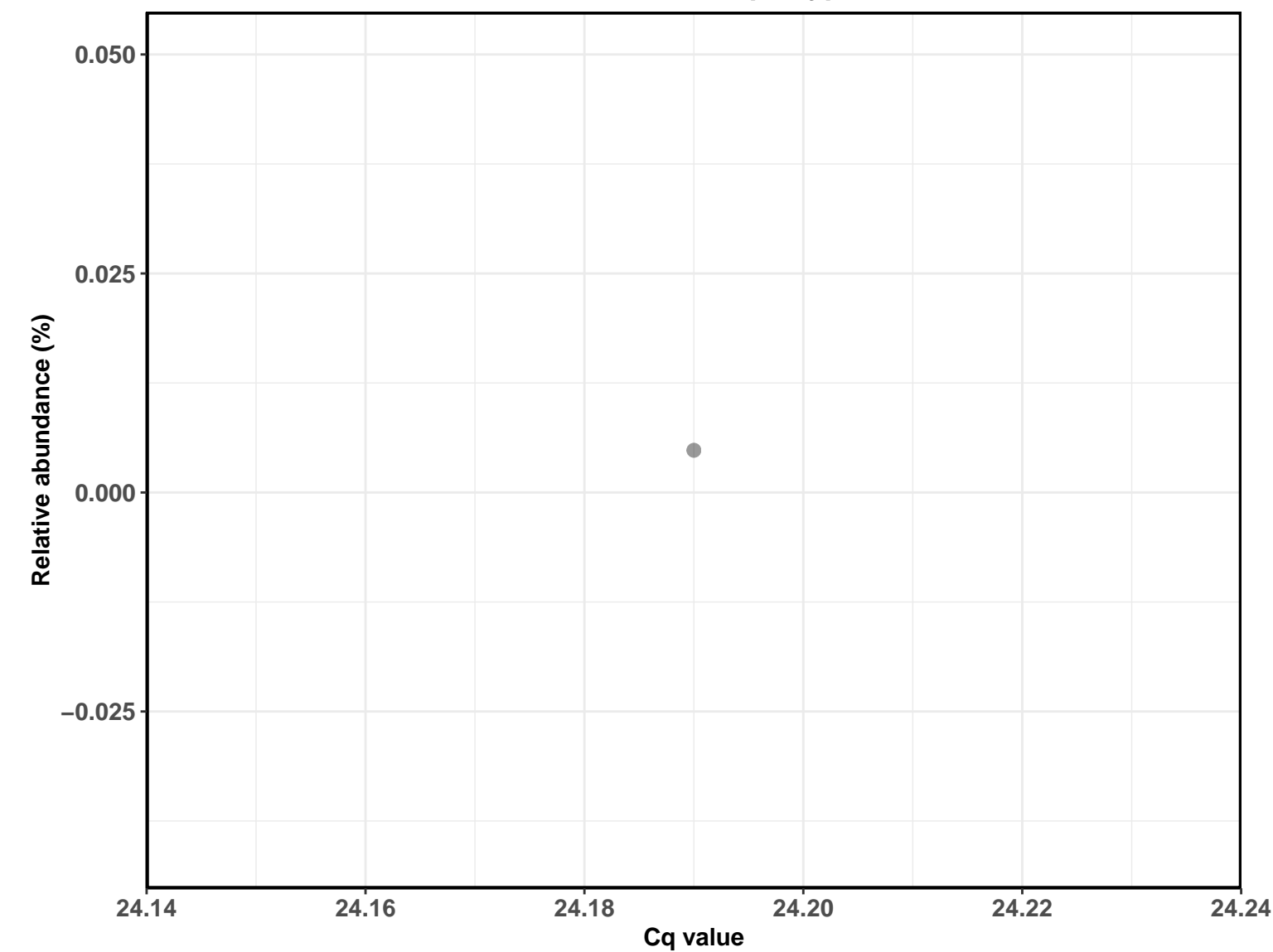
Correlation within the sample type: IM-DIM



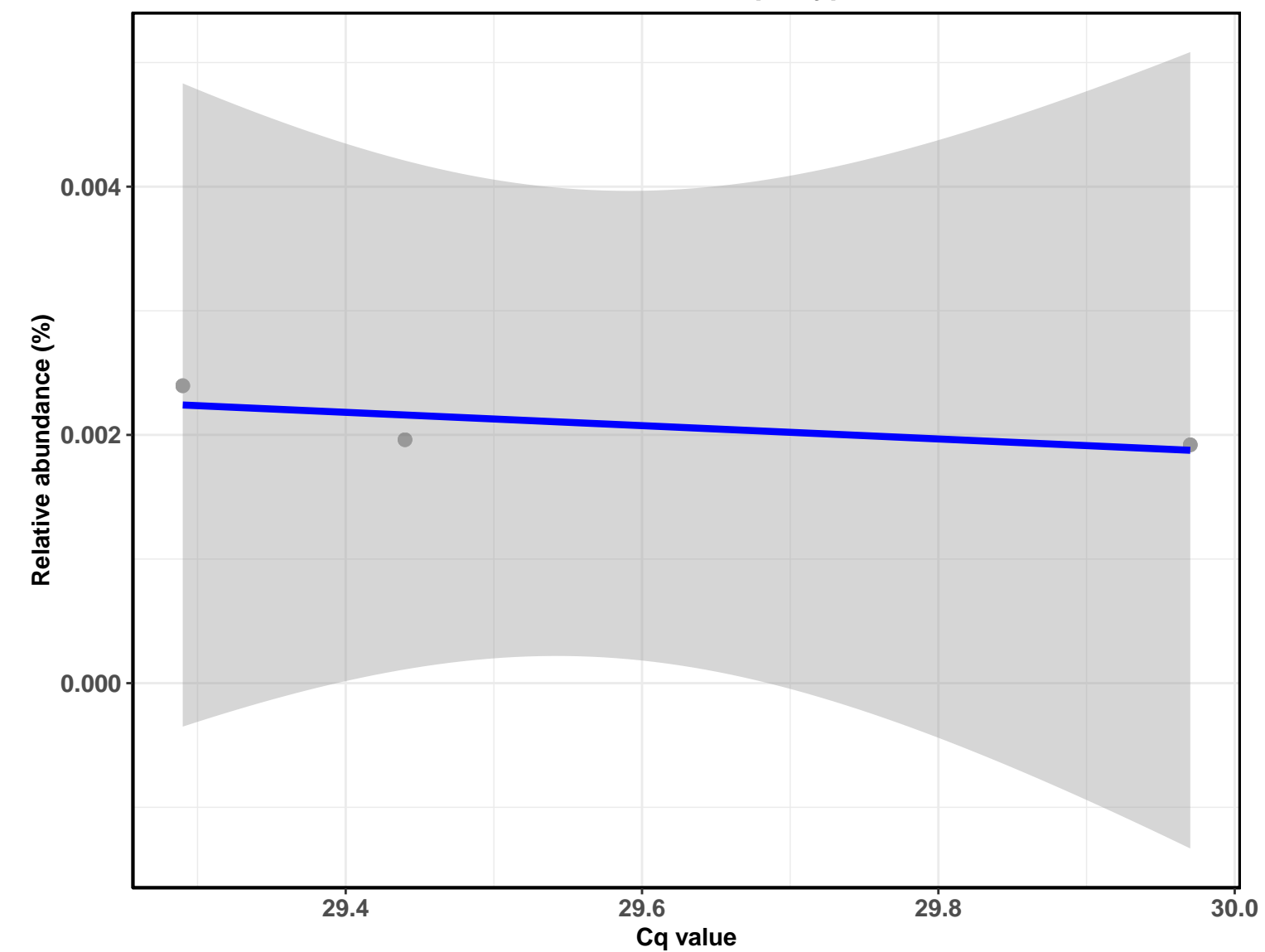
Correlation with all samples



Correlation within the sample type: REF-DIC

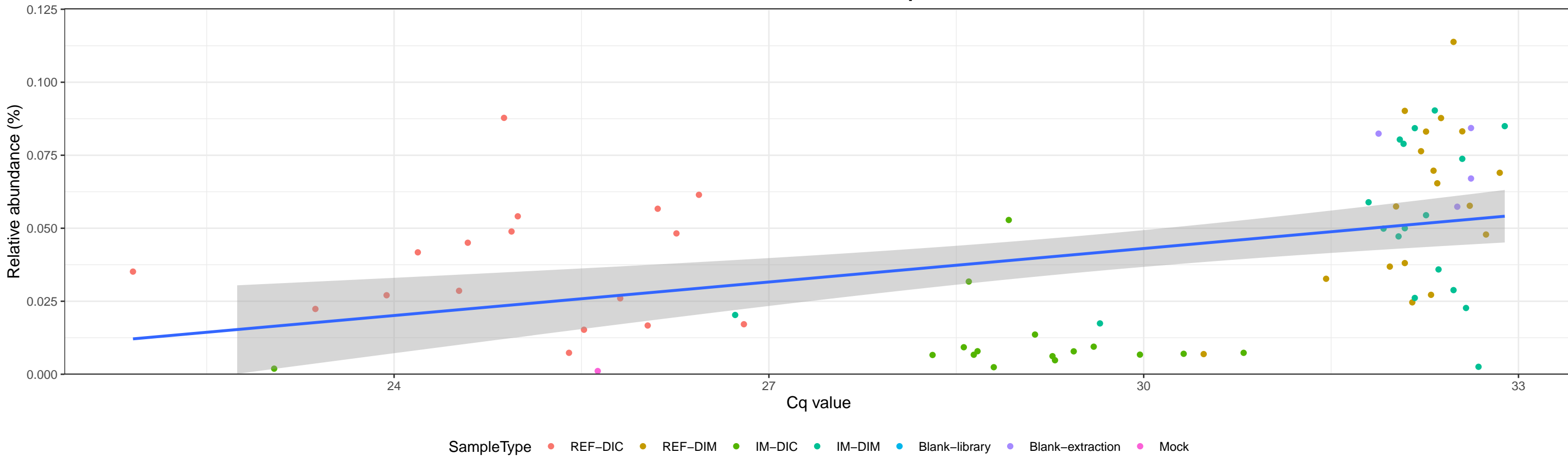


Correlation within the sample type: IM-DIC



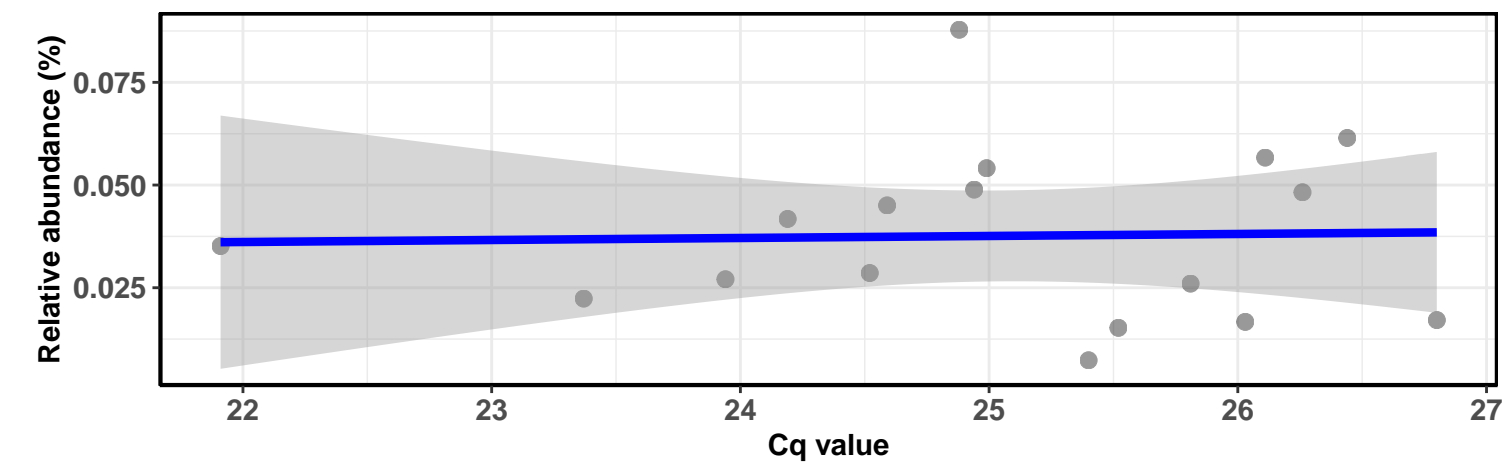
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



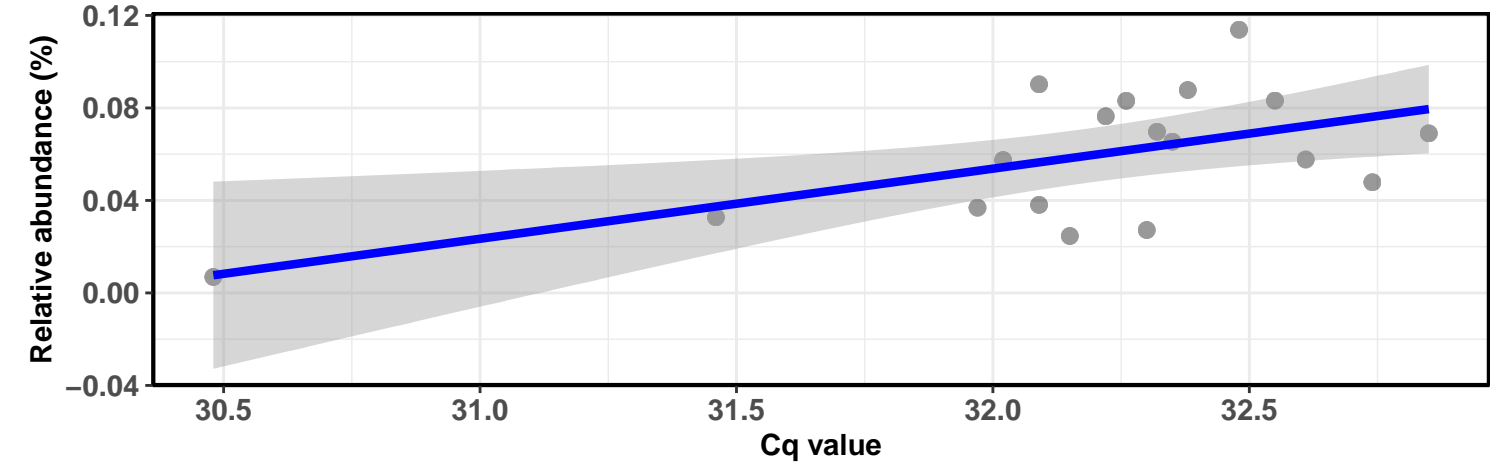
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.667$, $p = 0.889$, $\rho_{\text{Spearman}} = 0.037$, $\text{CI}_{95\%} [-0.452, 0.508]$, $n = 17$



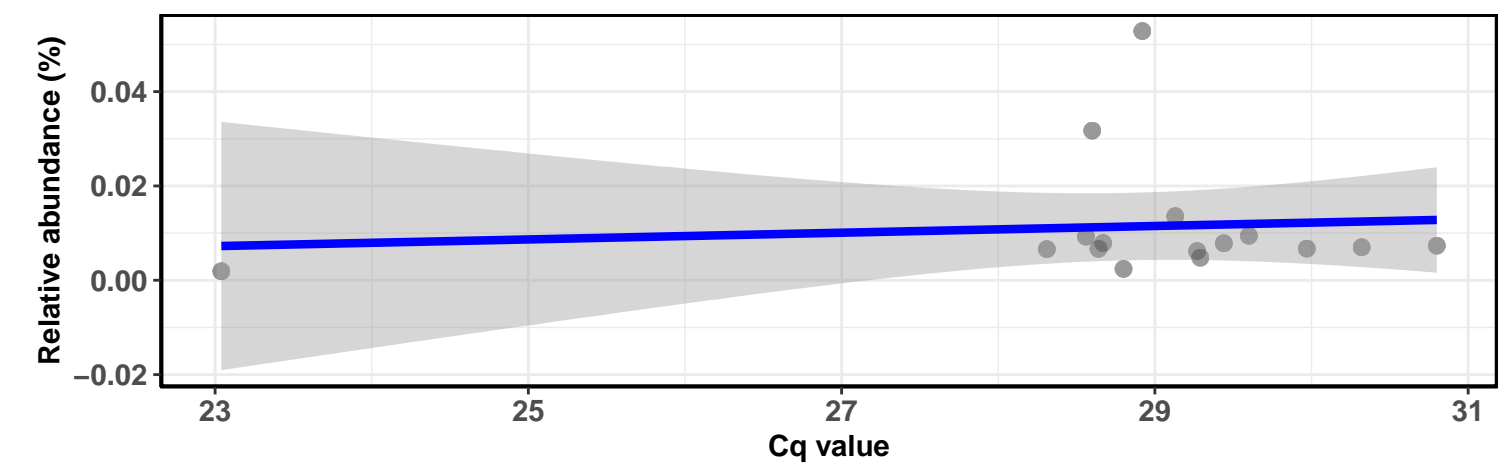
Correlation within the sample type: REF-DIM

$\log_e(S) = 6.232$, $p = 0.046$, $\rho_{\text{Spearman}} = 0.475$, $\text{CI}_{95\%} [0.010, 0.771]$, $n = 18$



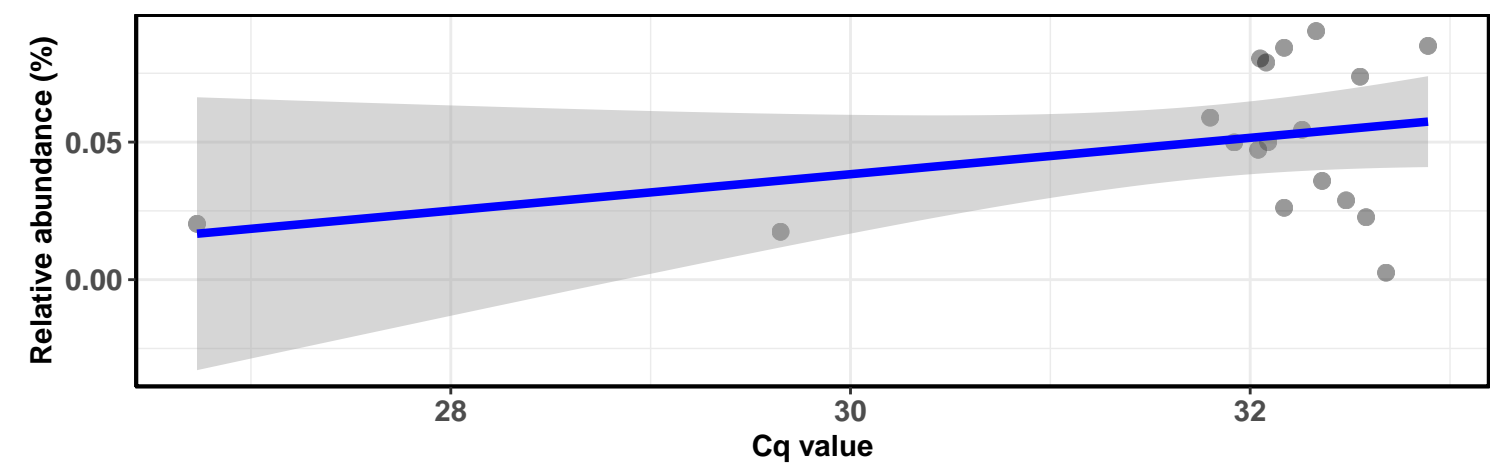
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.400$, $p = 0.672$, $\rho_{\text{Spearman}} = 0.115$, $\text{CI}_{95\%} [-0.404, 0.578]$, $n = 16$



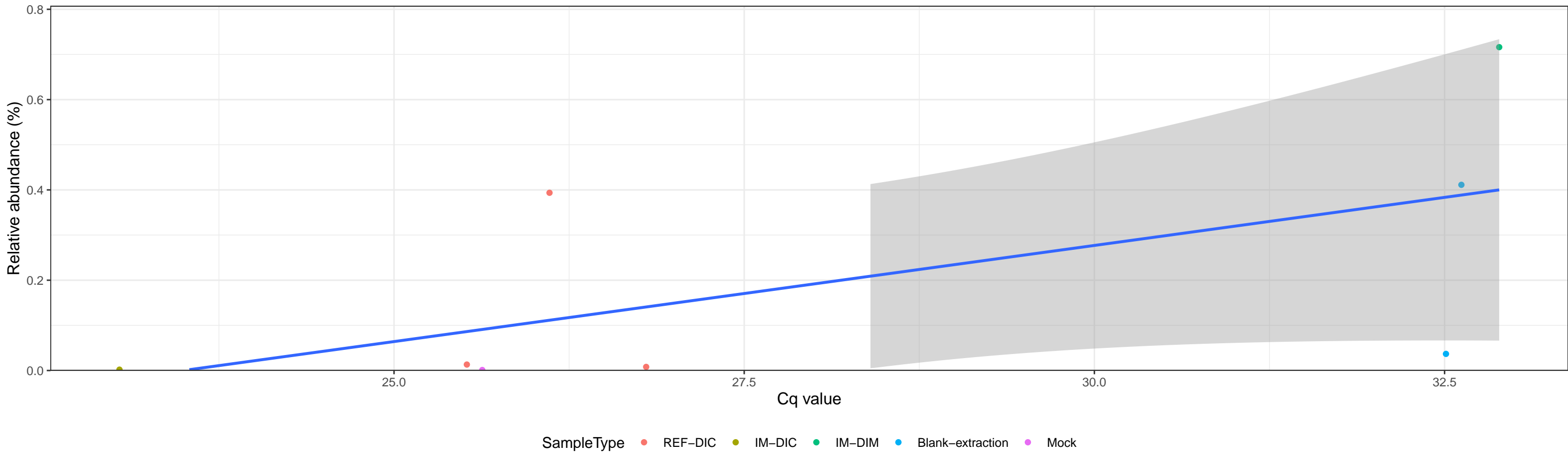
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.753$, $p = 0.648$, $\rho_{\text{Spearman}} = 0.116$, $\text{CI}_{95\%} [-0.371, 0.553]$, $n = 18$

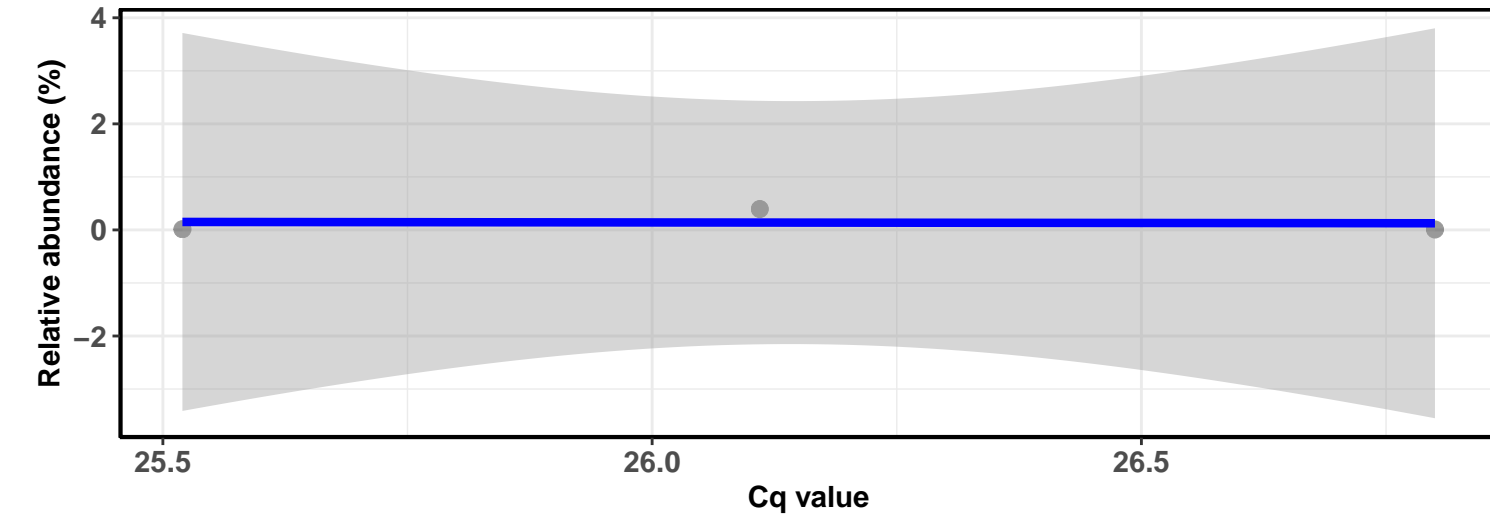


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

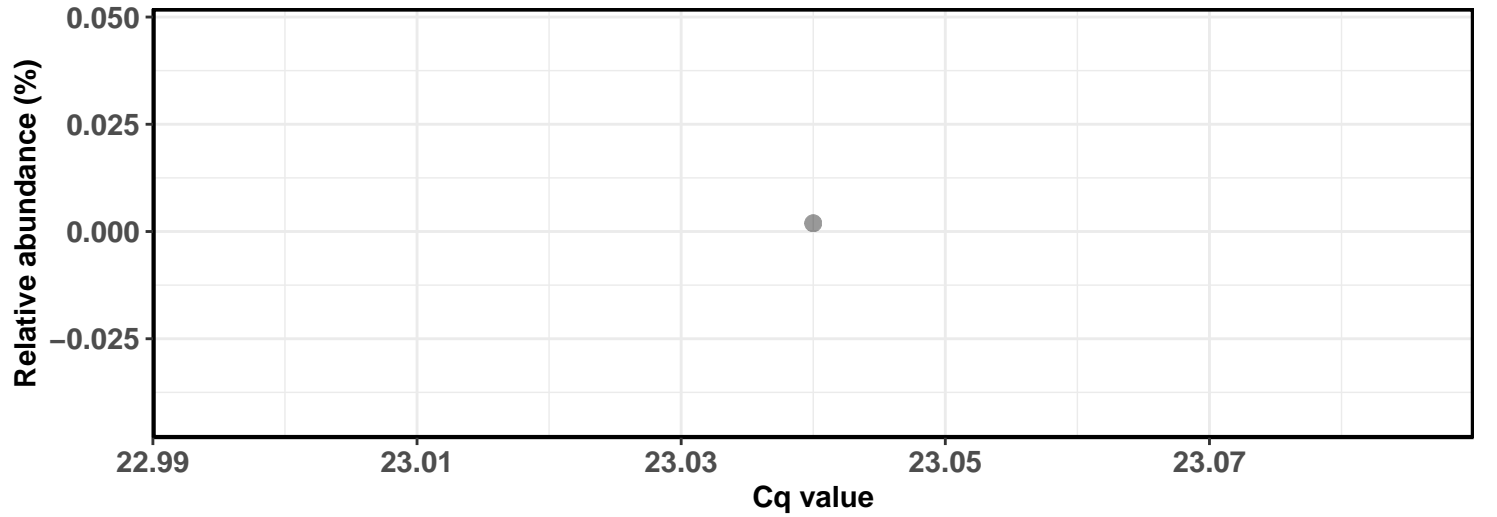
Correlation with all samples



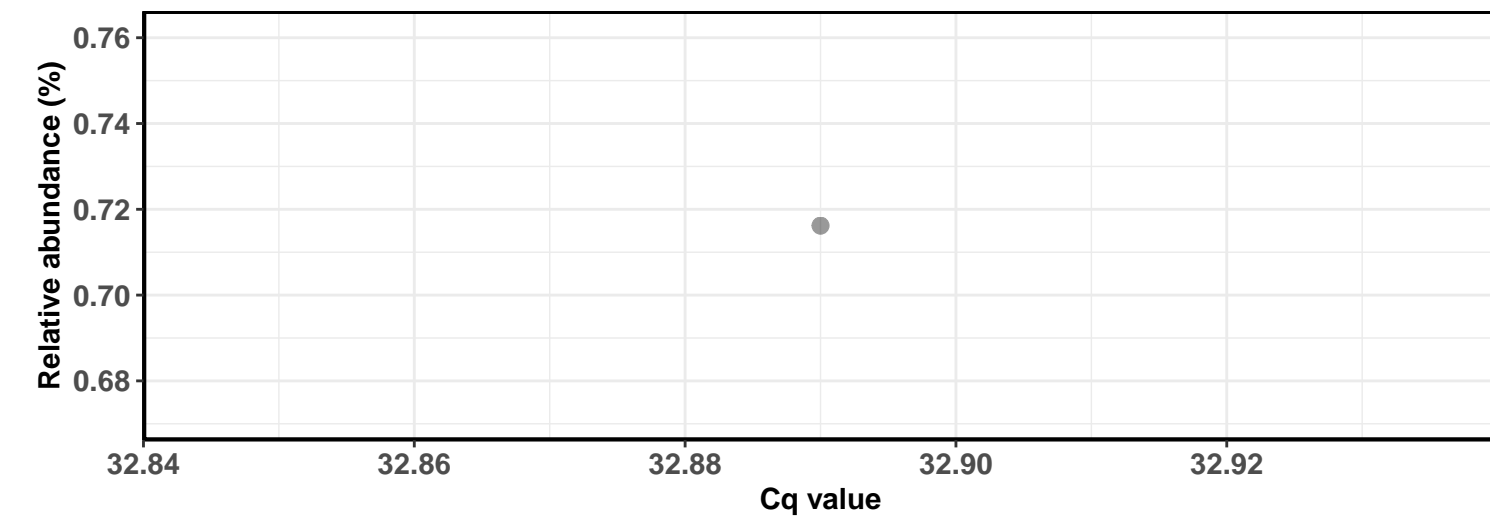
Correlation within the sample type: REF-DIC



Correlation within the sample type: IM-DIC

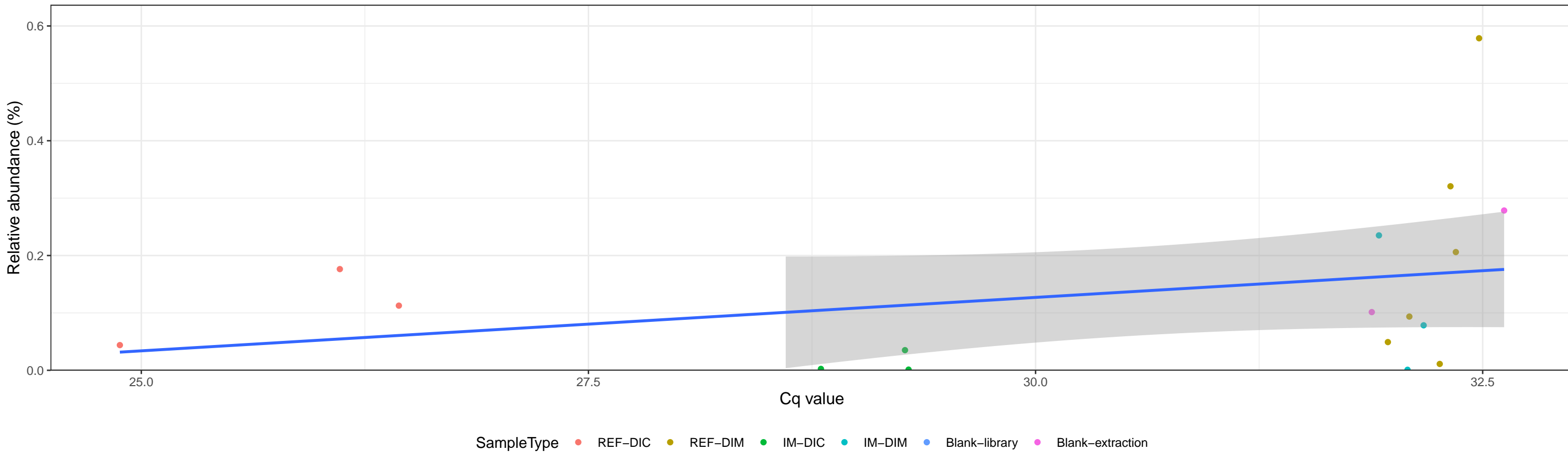


Correlation within the sample type: IM-DIM

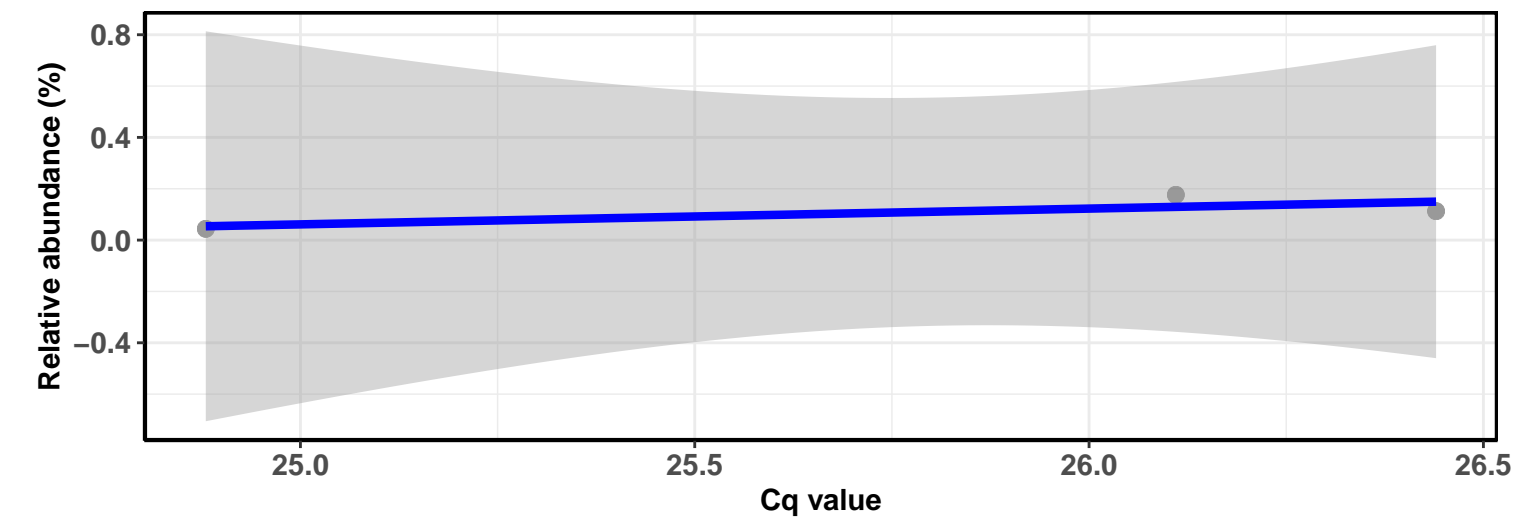


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Caulobacterales; D_4__Caulobacteraceae; D_5__Brevundimonas; Ambiguous_taxa

Correlation with all samples

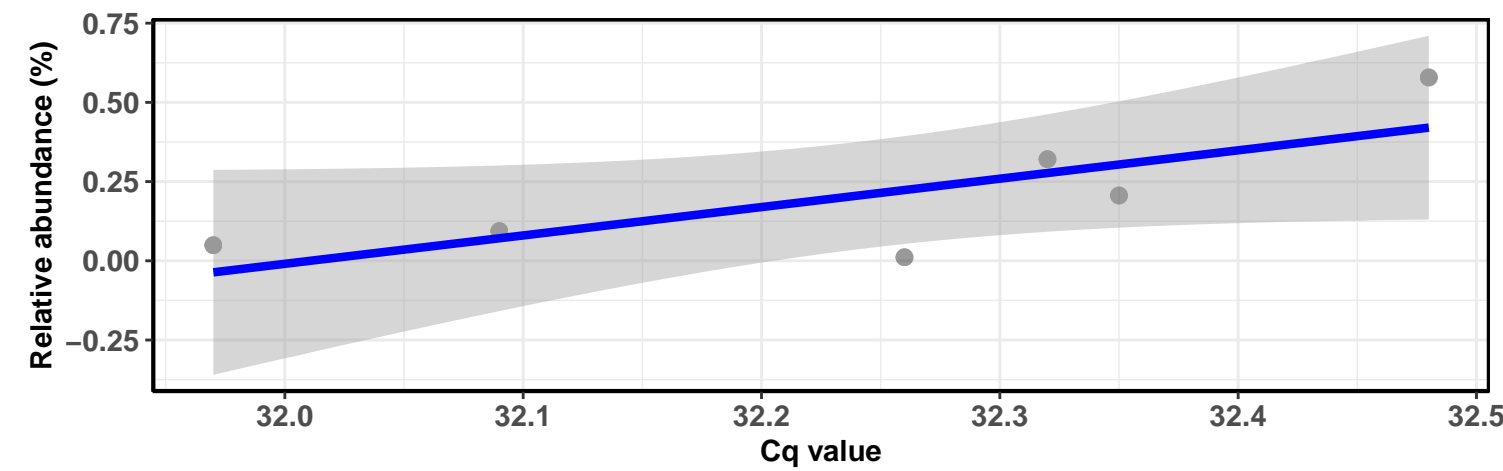


Correlation within the sample type: REF-DIC

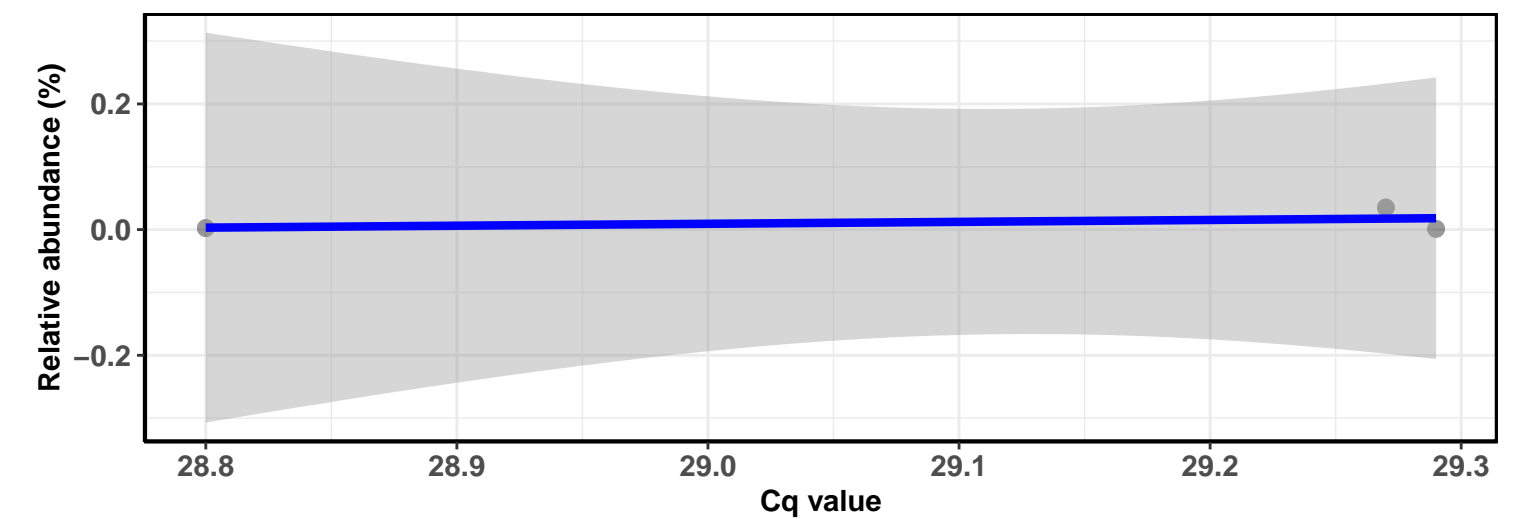


Correlation within the sample type: REF-DIM

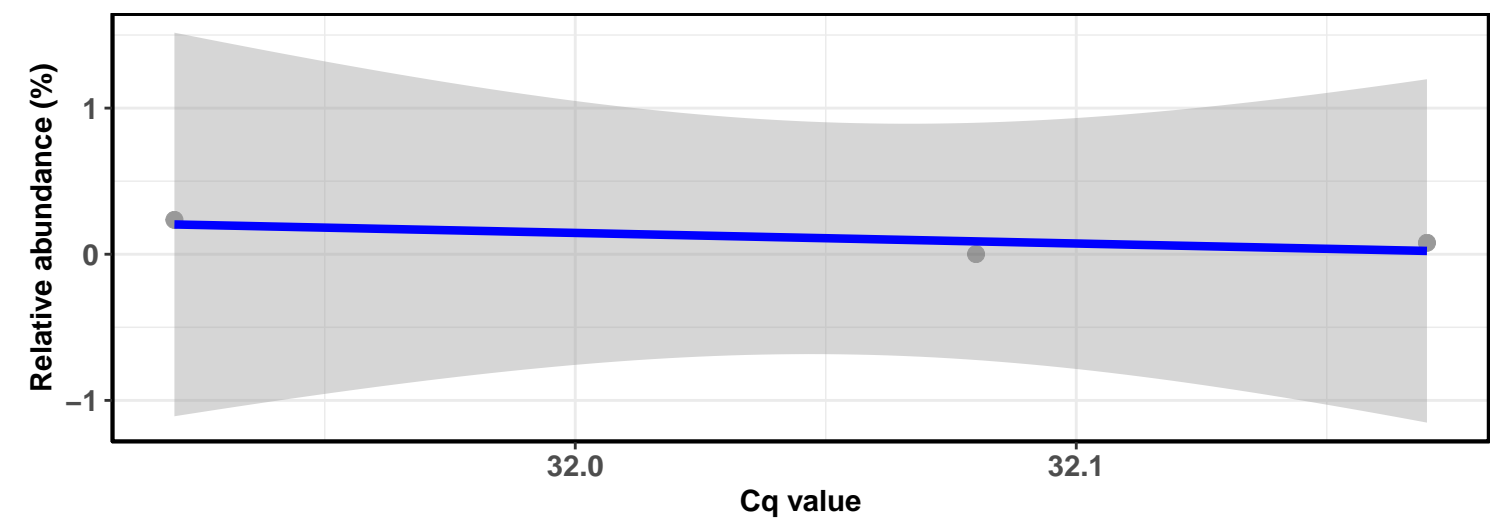
$\log_e(S) = 2.079$, $p = 0.072$, $\rho_{\text{Spearman}} = 0.771$, $CI_{95\%} [-0.107, 0.974]$, $n = 6$



Correlation within the sample type: IM-DIC

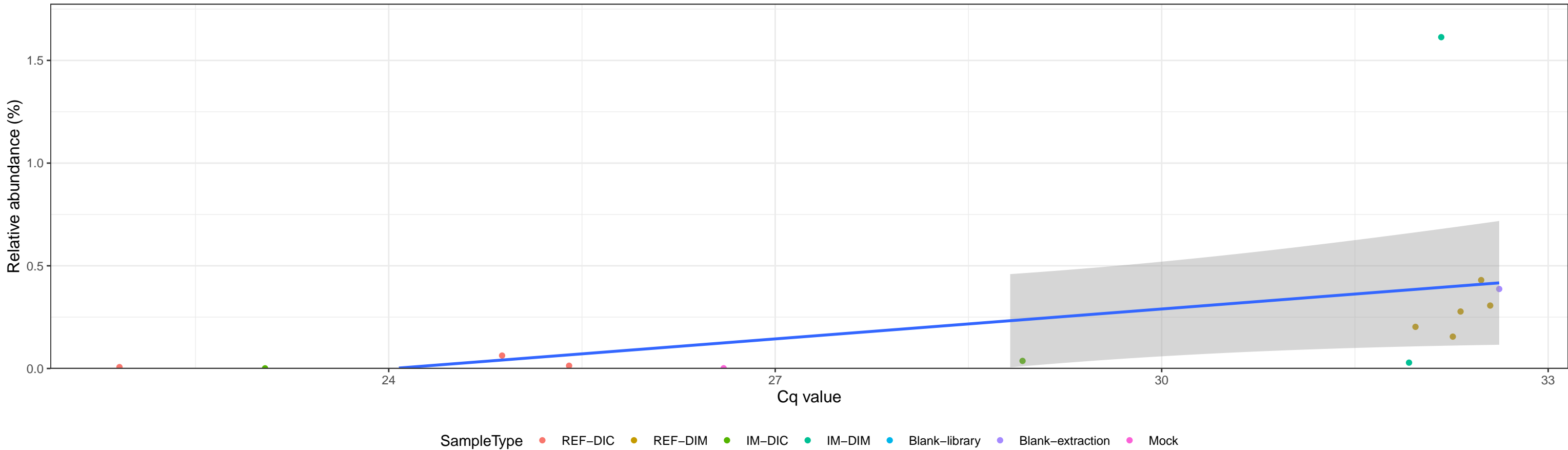


Correlation within the sample type: IM-DIM

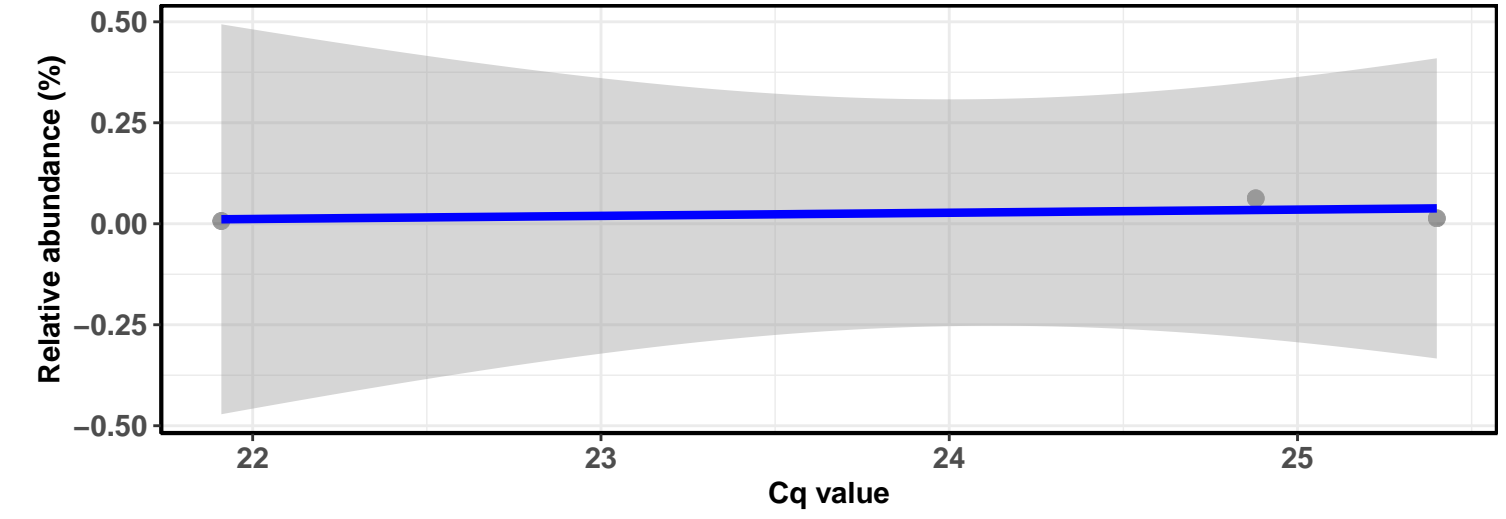


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Caulobacterales; D_4__Caulobacteraceae; D_5__Brevundimonas; Ambiguous_taxa

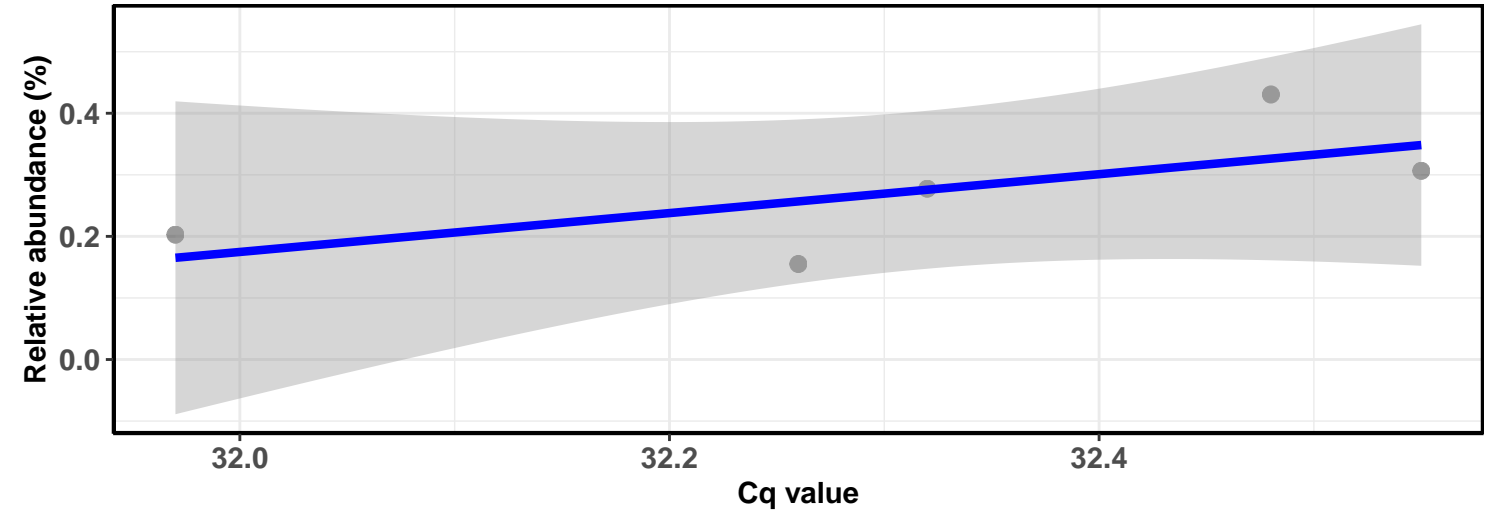
Correlation with all samples



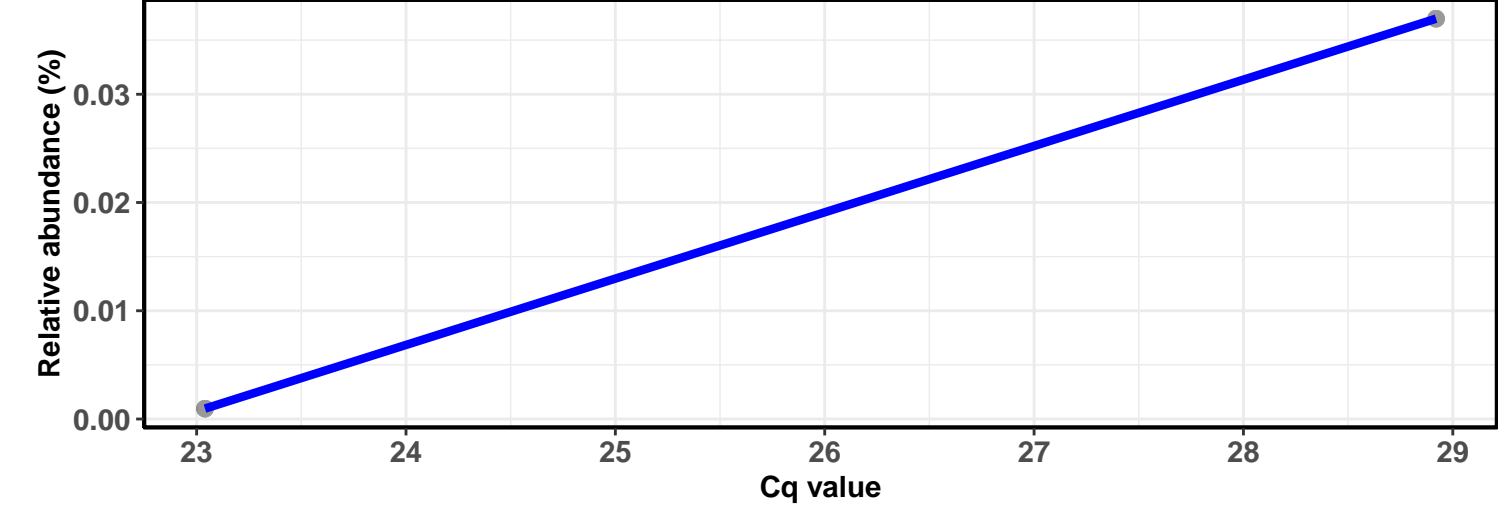
Correlation within the sample type: REF-DIC



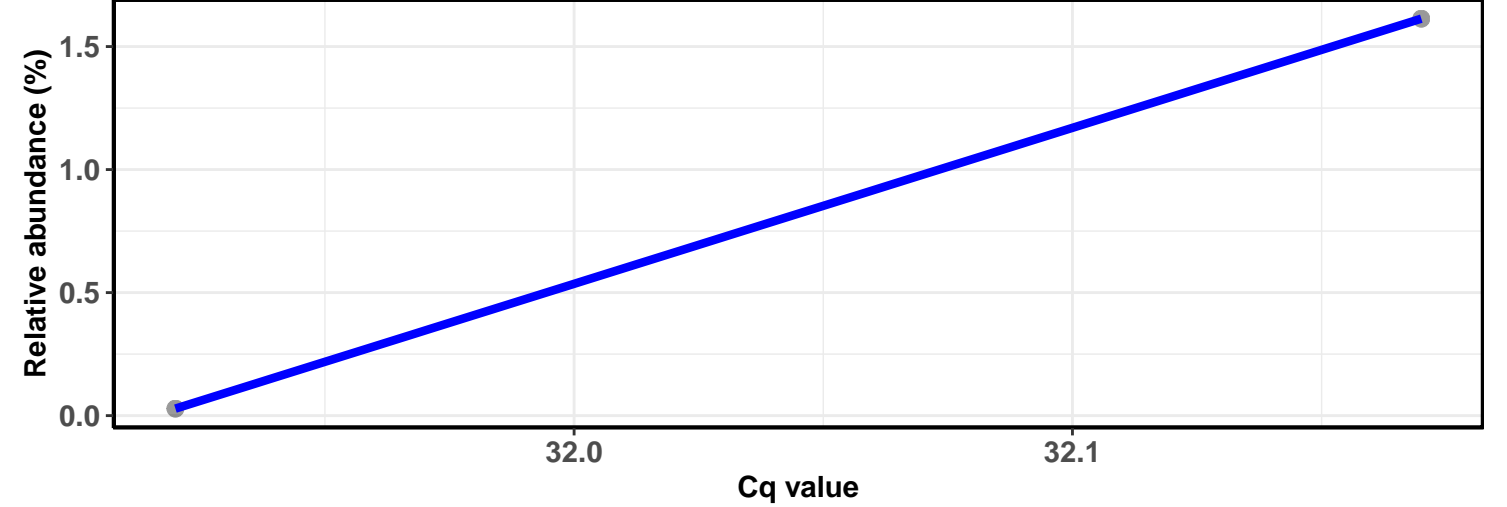
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

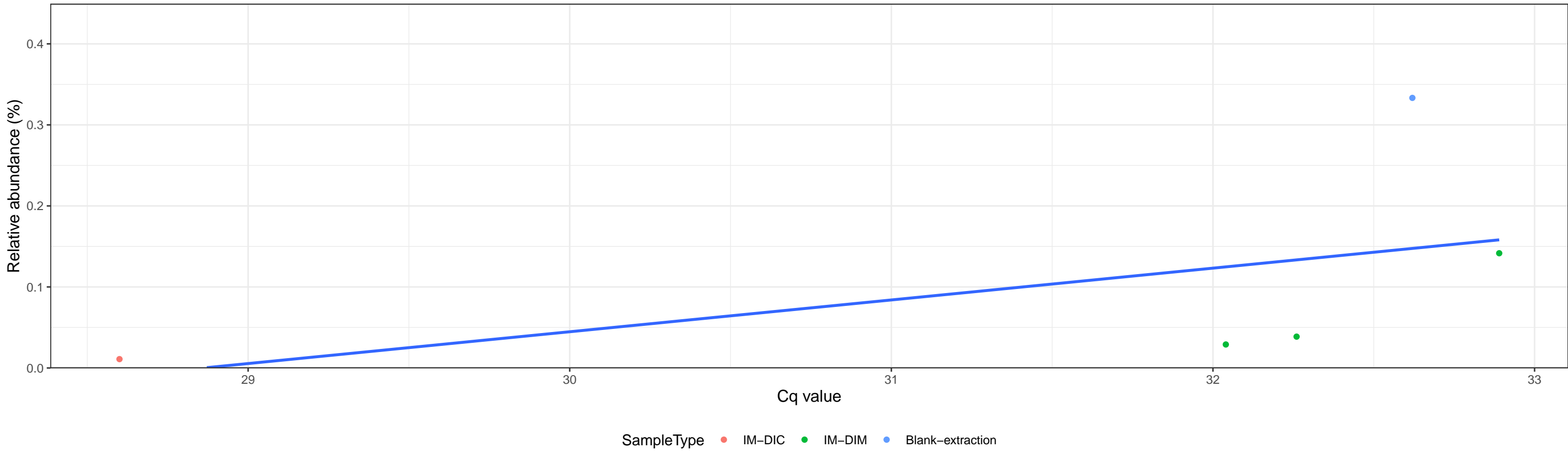


Correlation within the sample type: IM-DIM

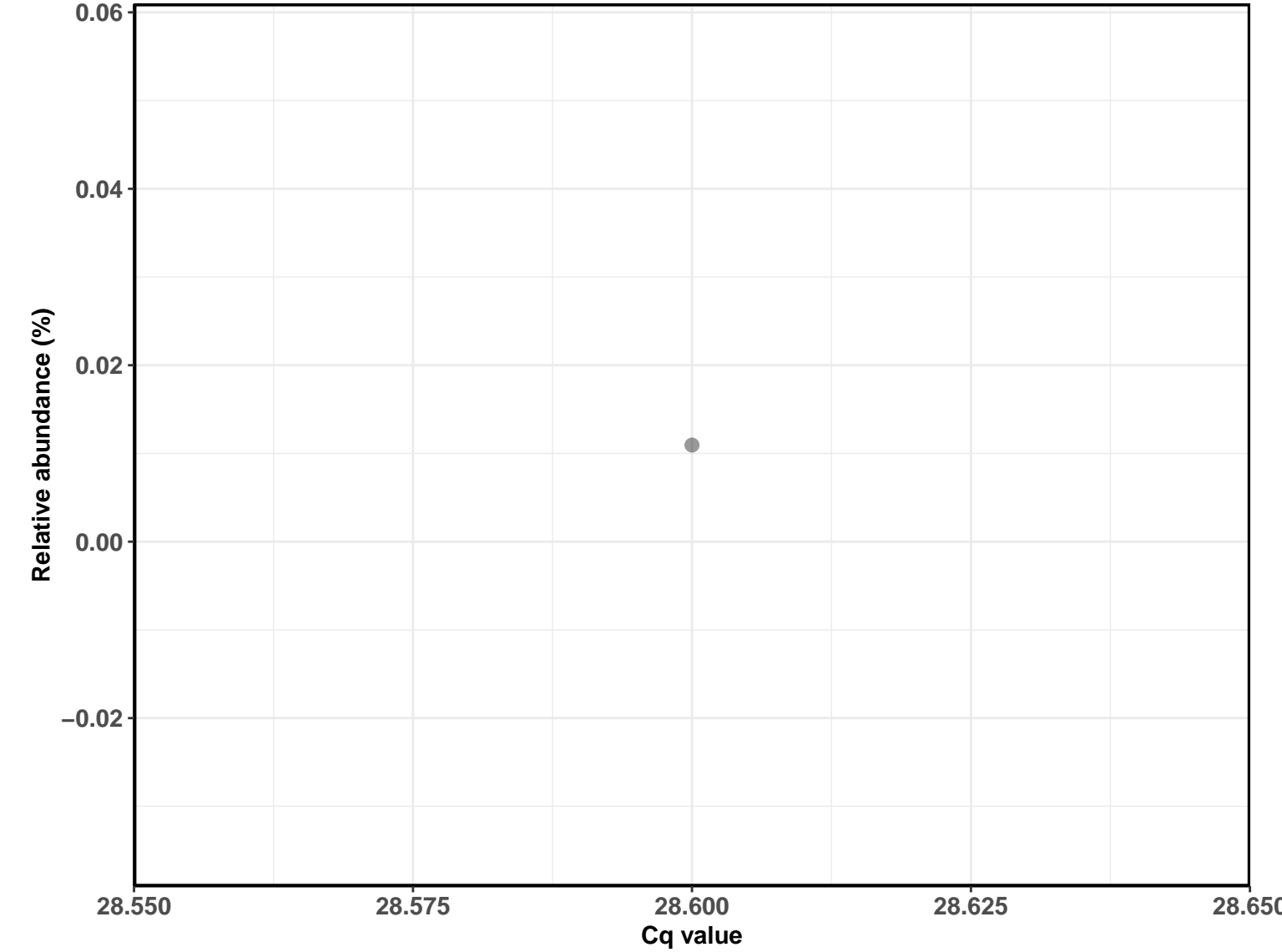


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

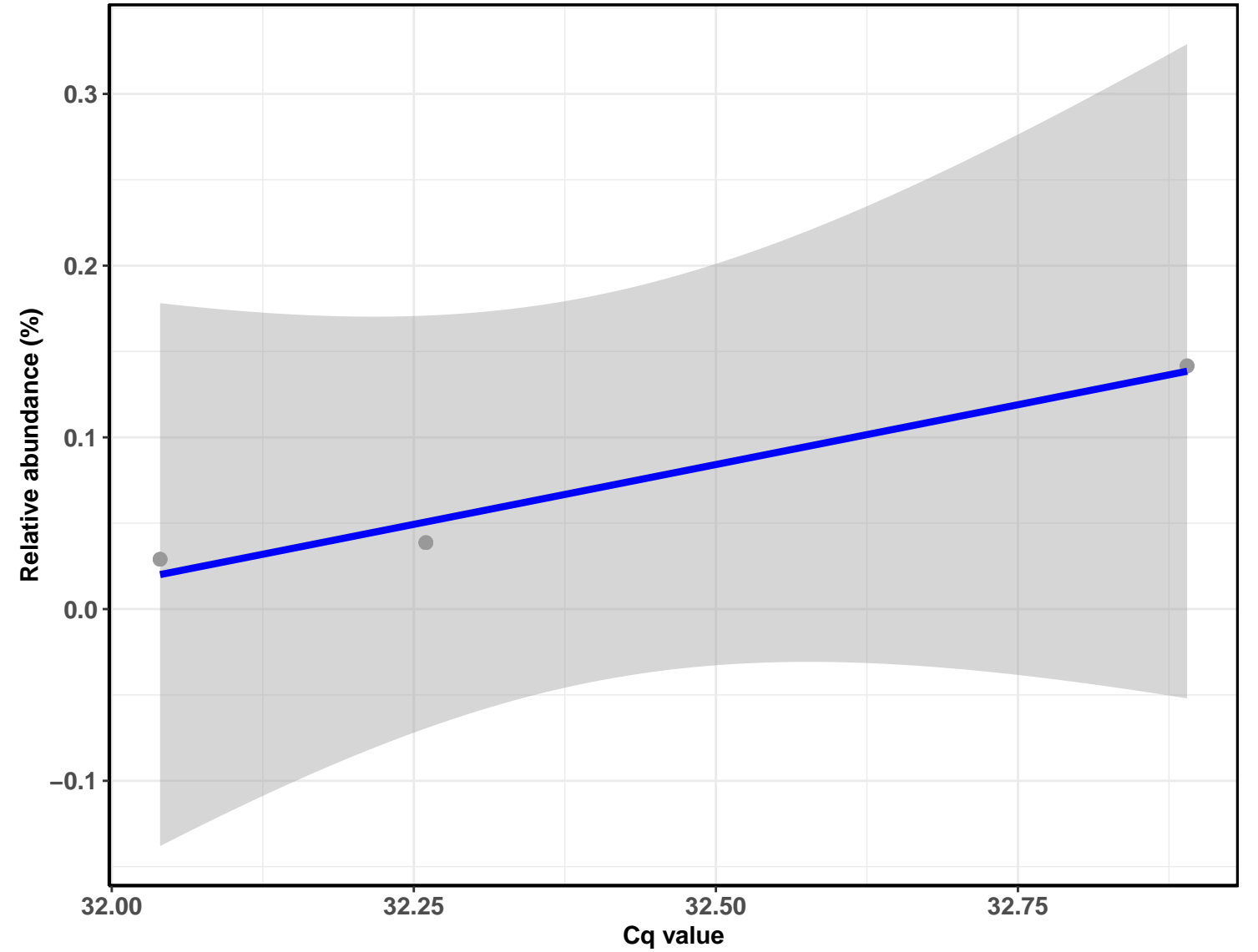
Correlation with all samples



Correlation within the sample type: IM-DIC

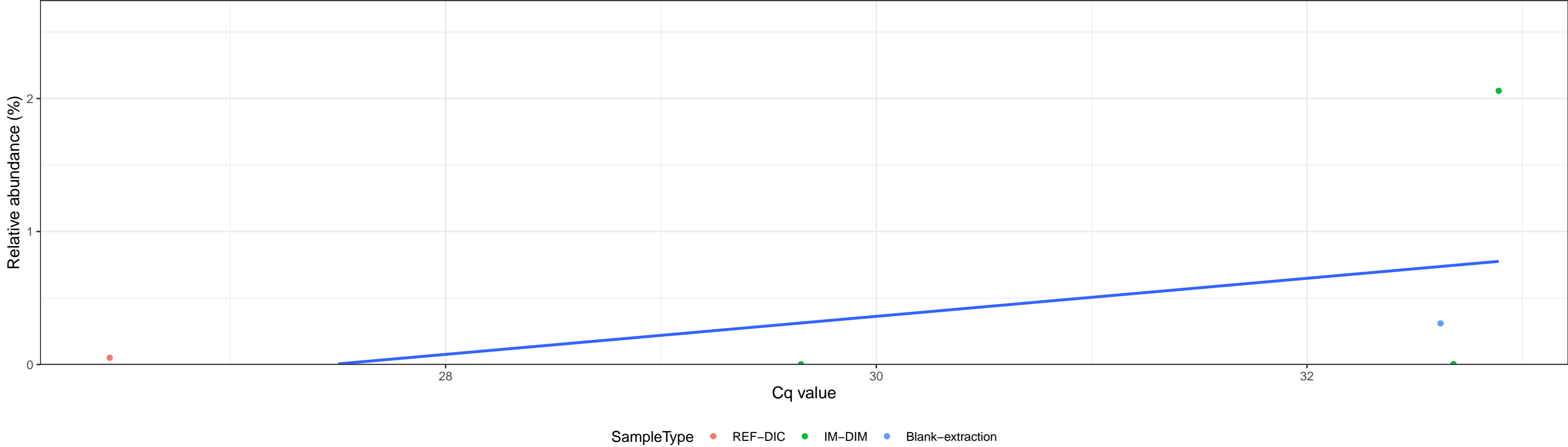


Correlation within the sample type: IM-DIM

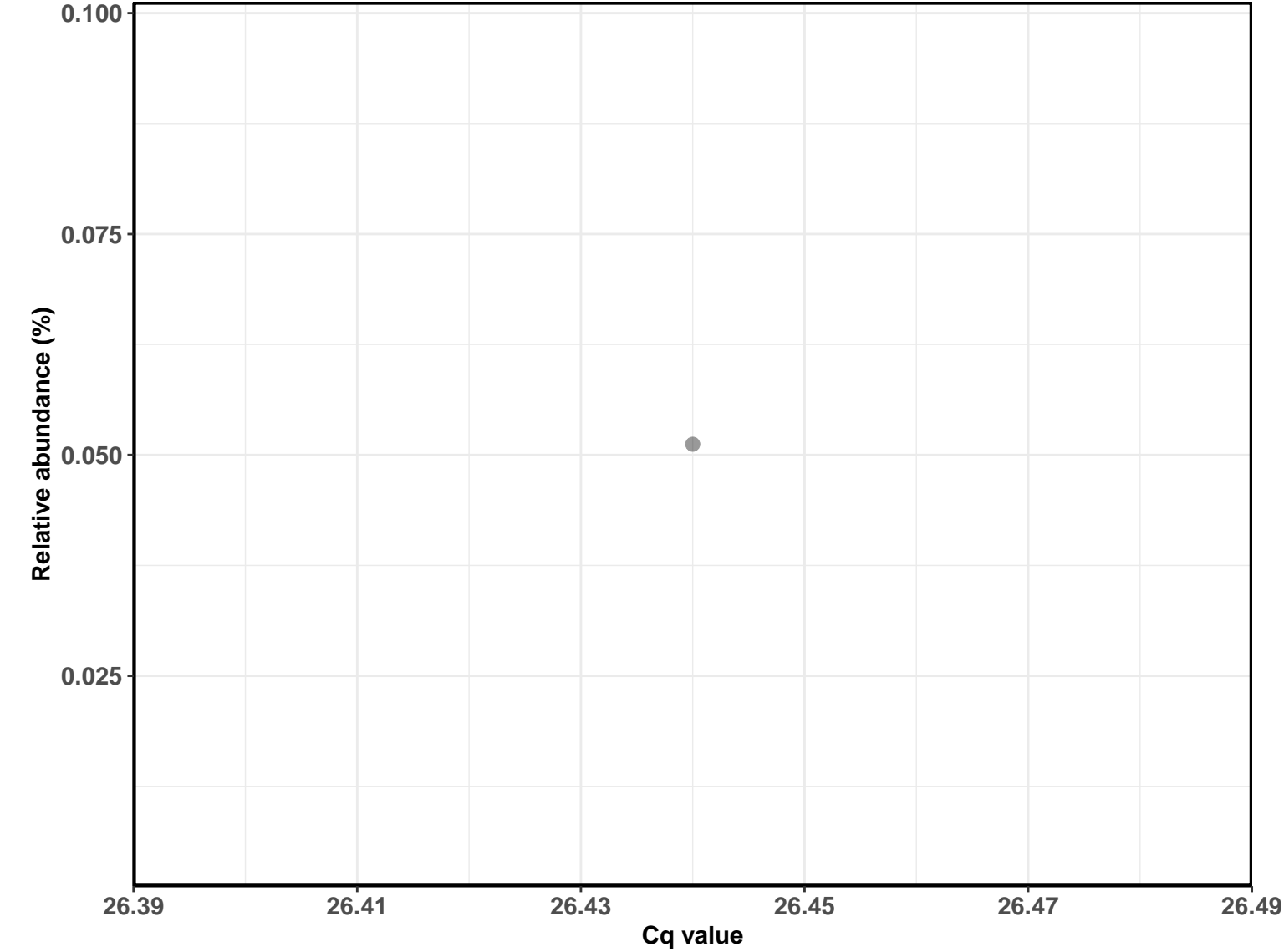


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

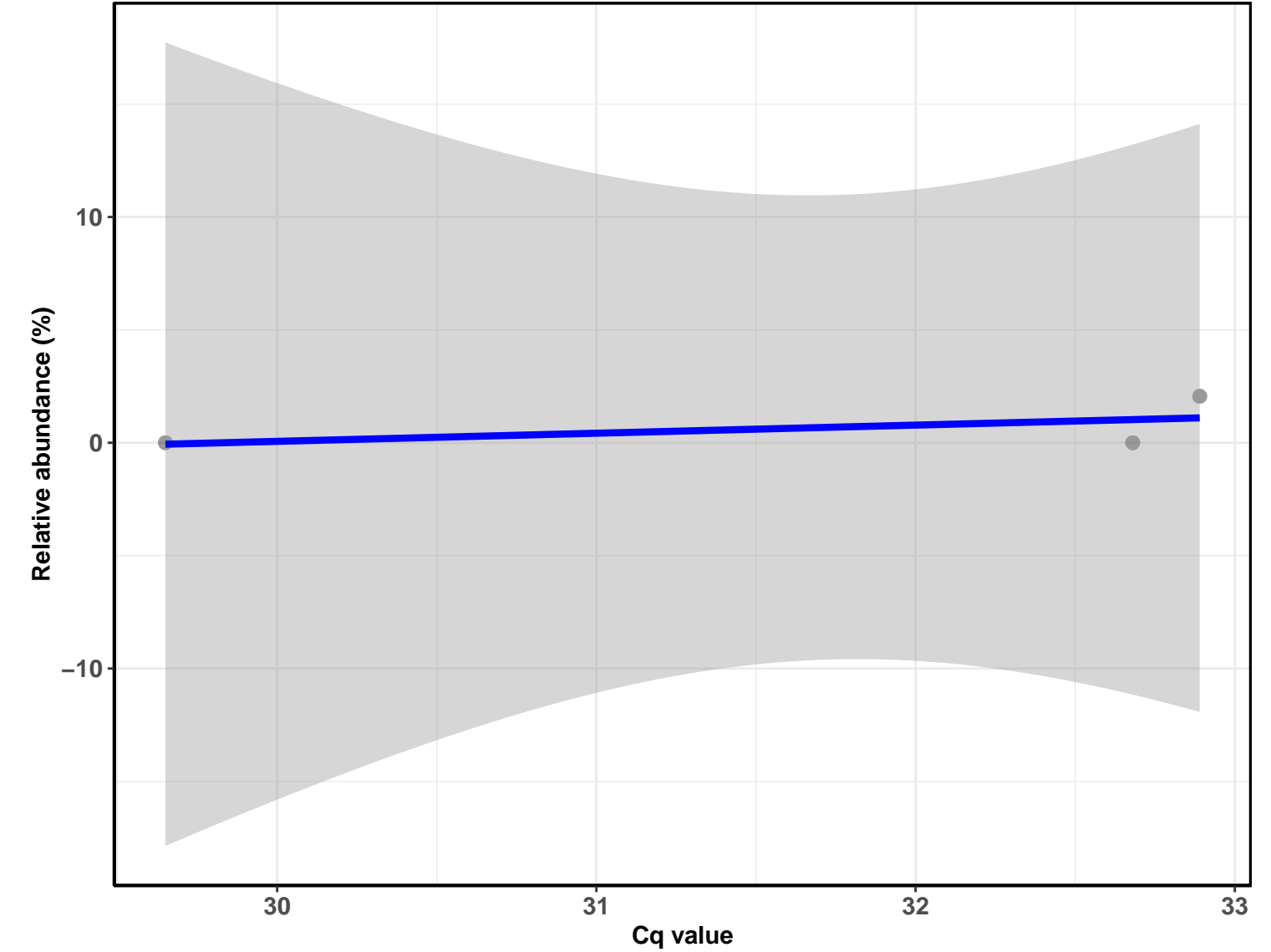
Correlation with all samples



Correlation within the sample type: REF-DIC

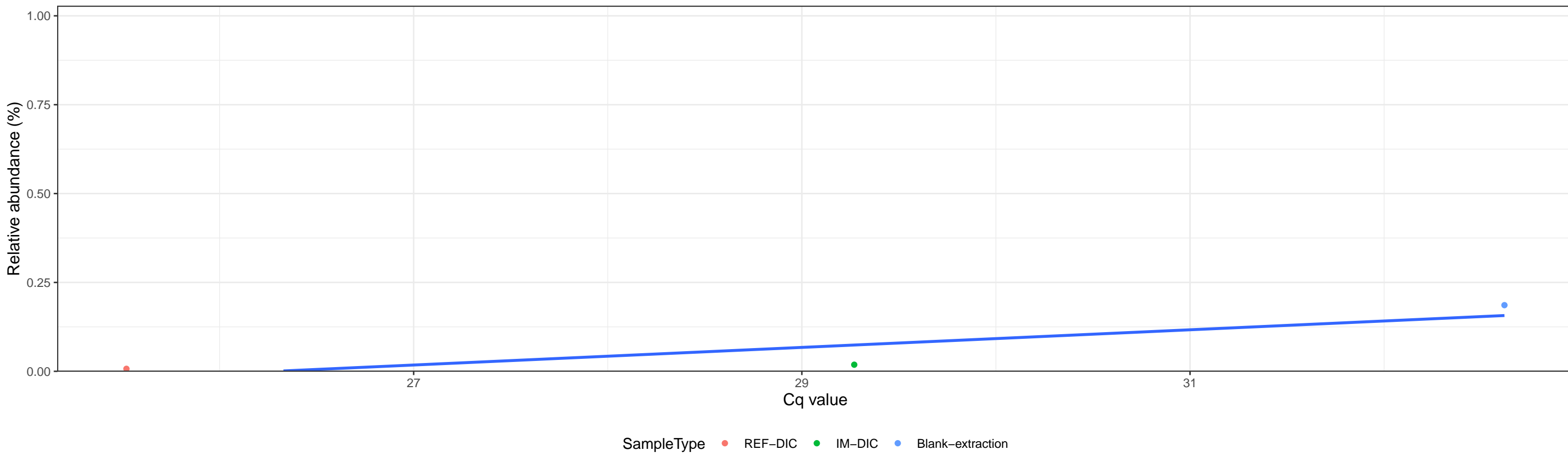


Correlation within the sample type: IM-DIM

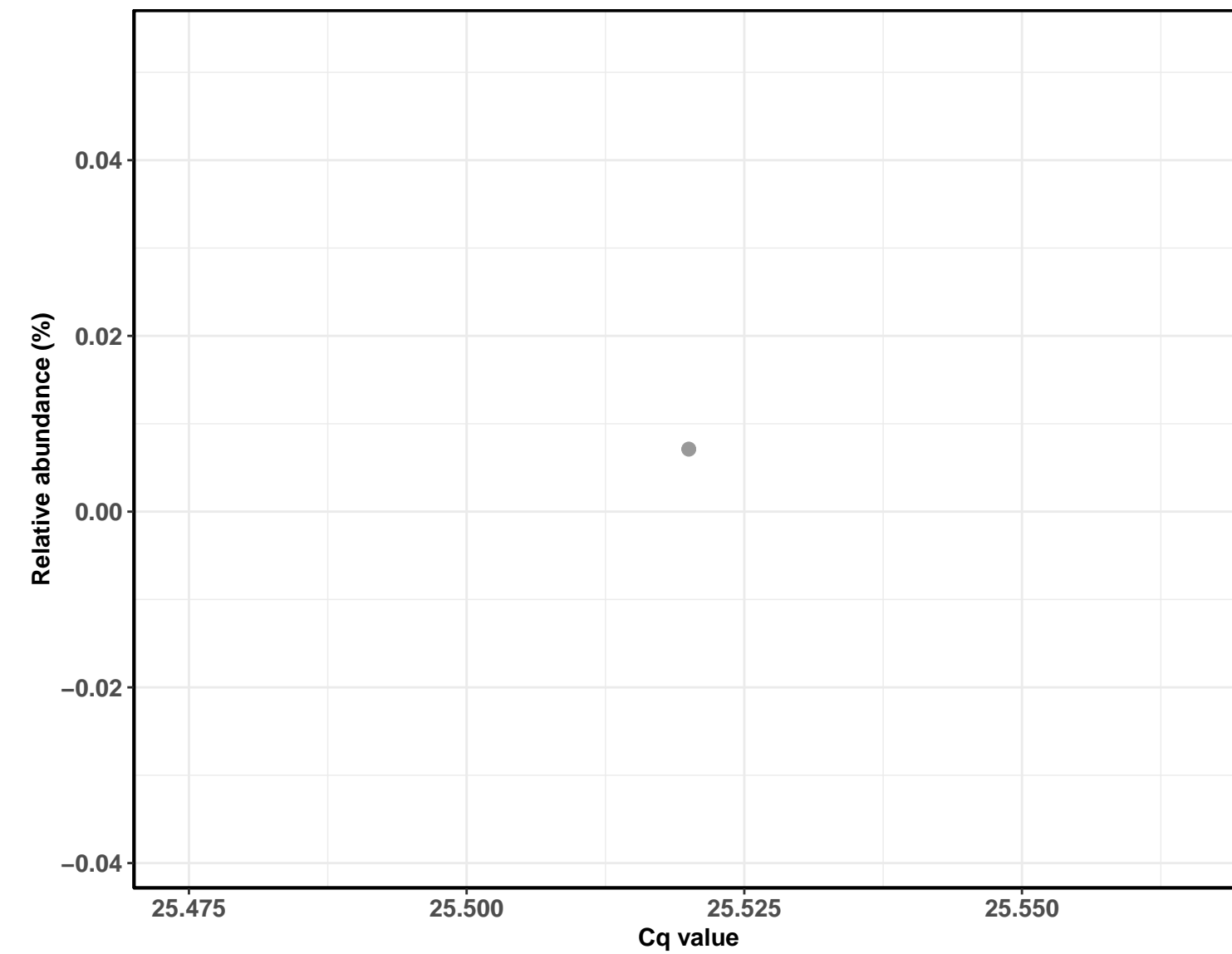


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Micrococcales; D_4__Micrococcaceae; D_5__Micrococcus; Ambiguous_taxa

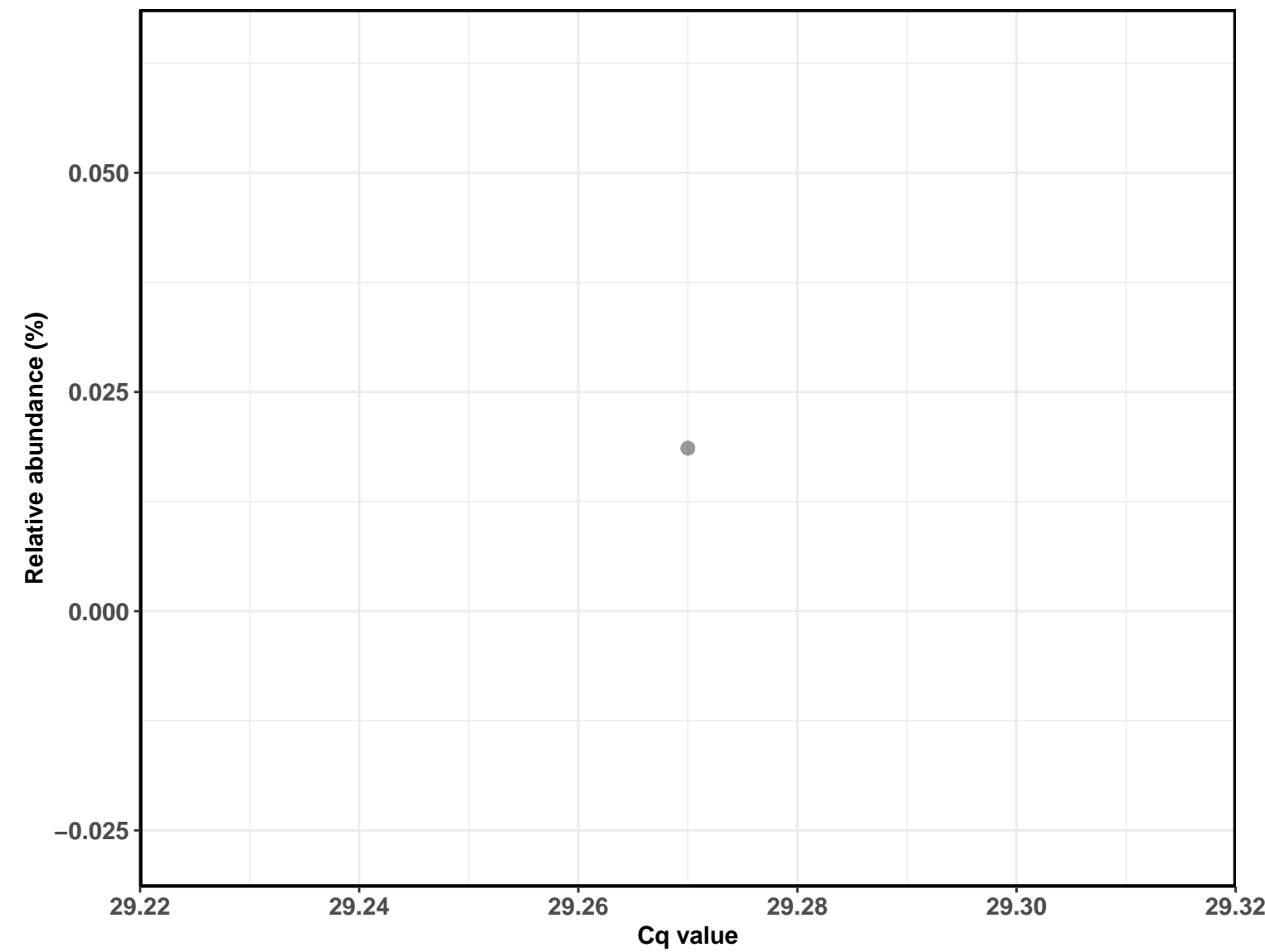
Correlation with all samples



Correlation within the sample type: REF-DIC

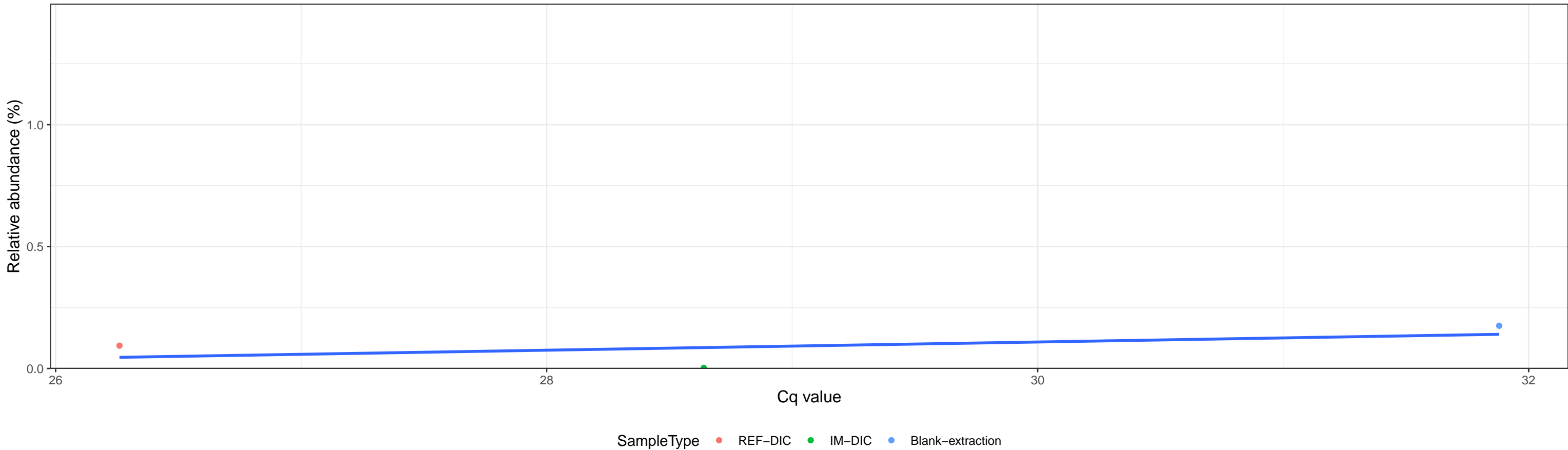


Correlation within the sample type: IM-DIC

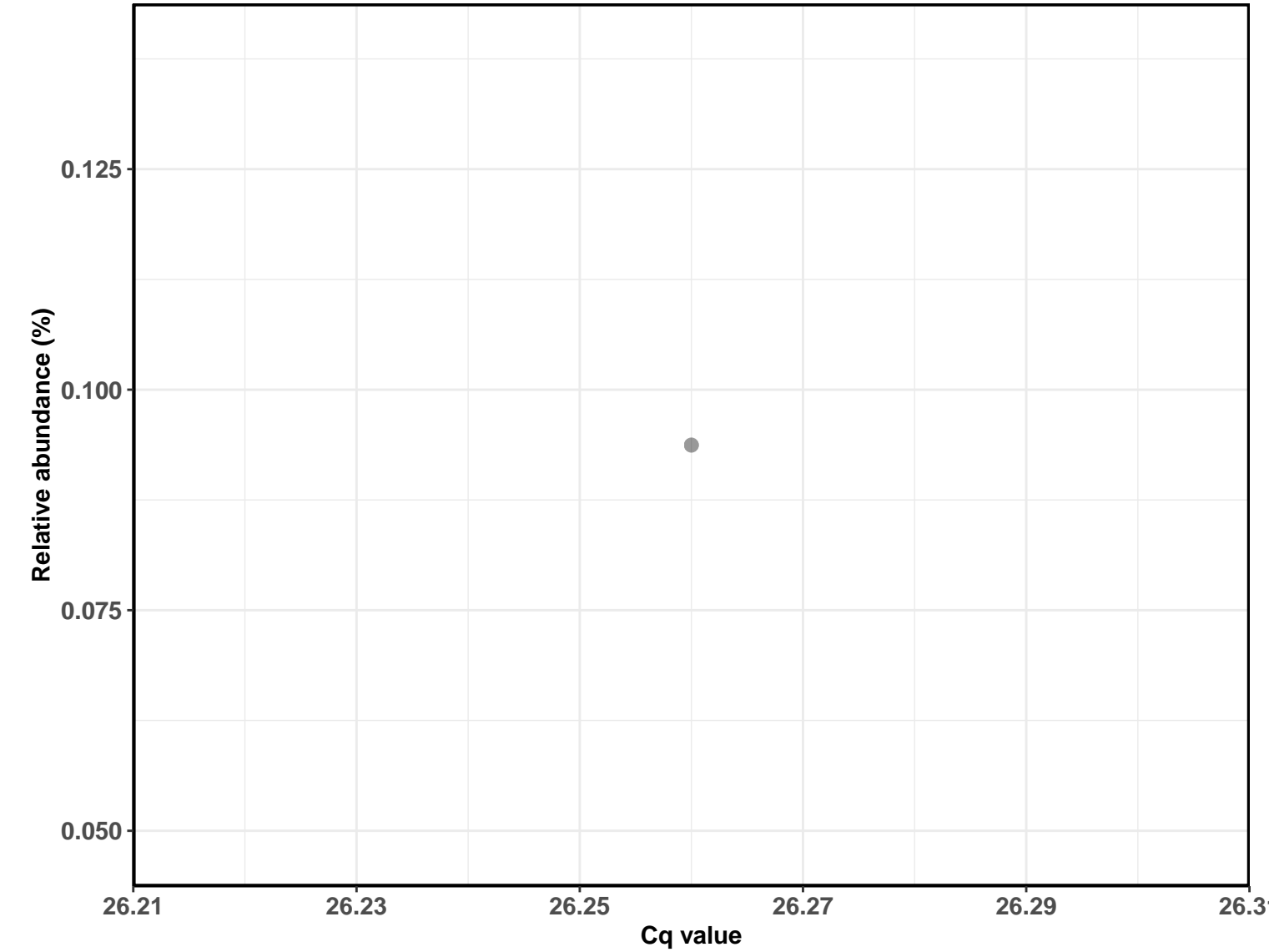


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

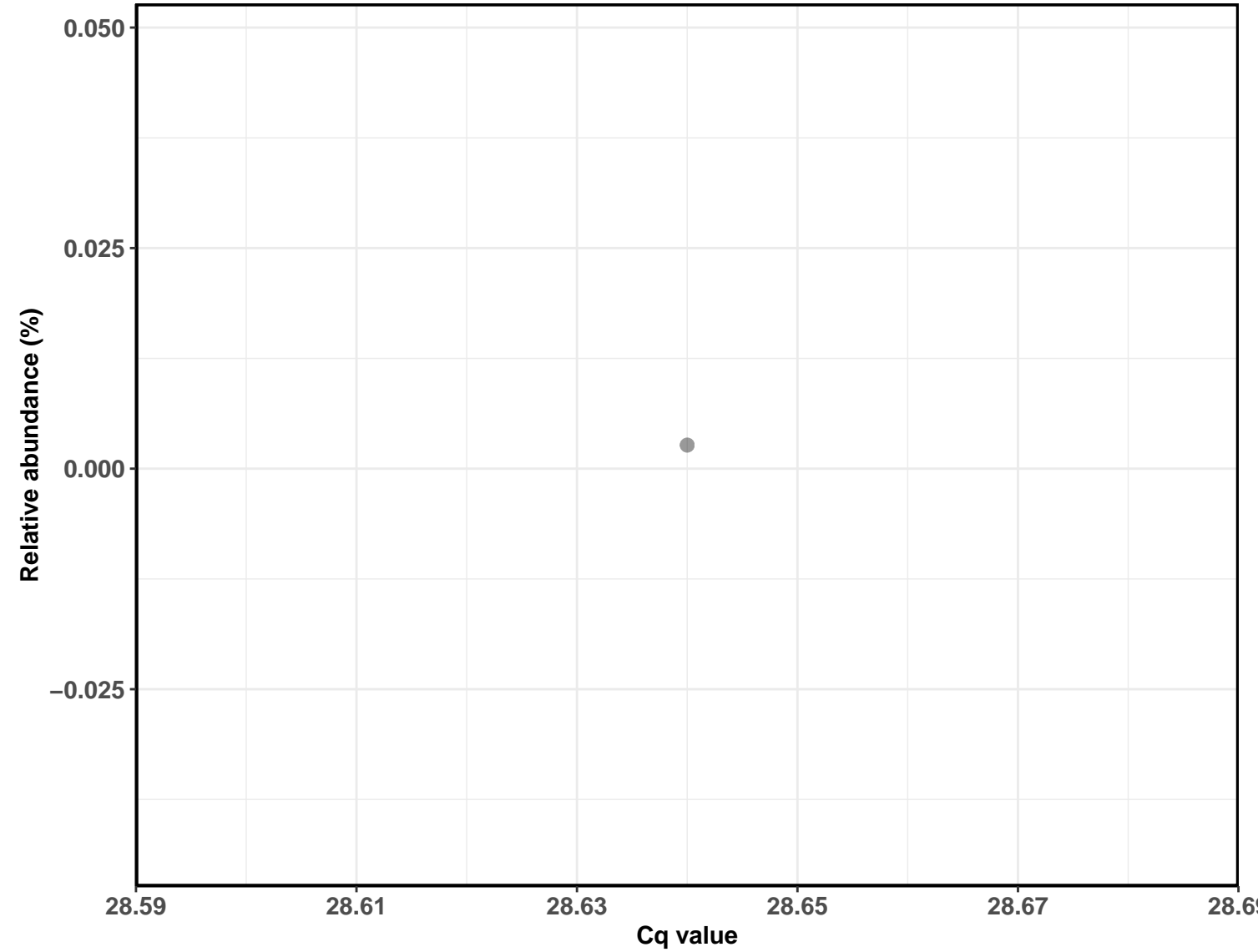
Correlation with all samples



Correlation within the sample type: REF-DIC

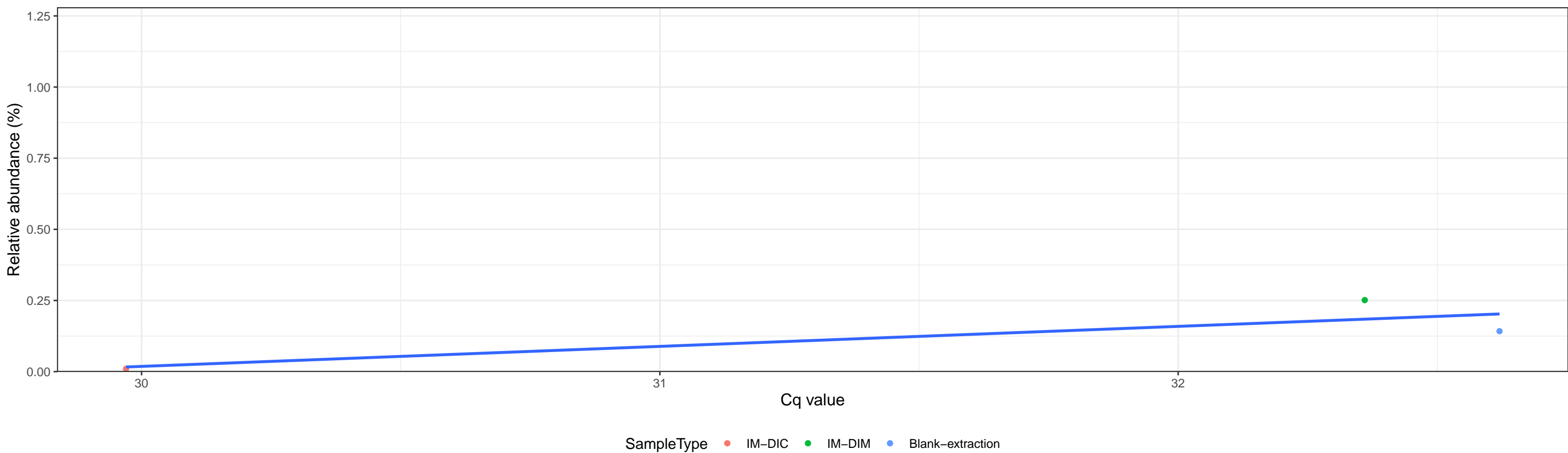


Correlation within the sample type: IM-DIC

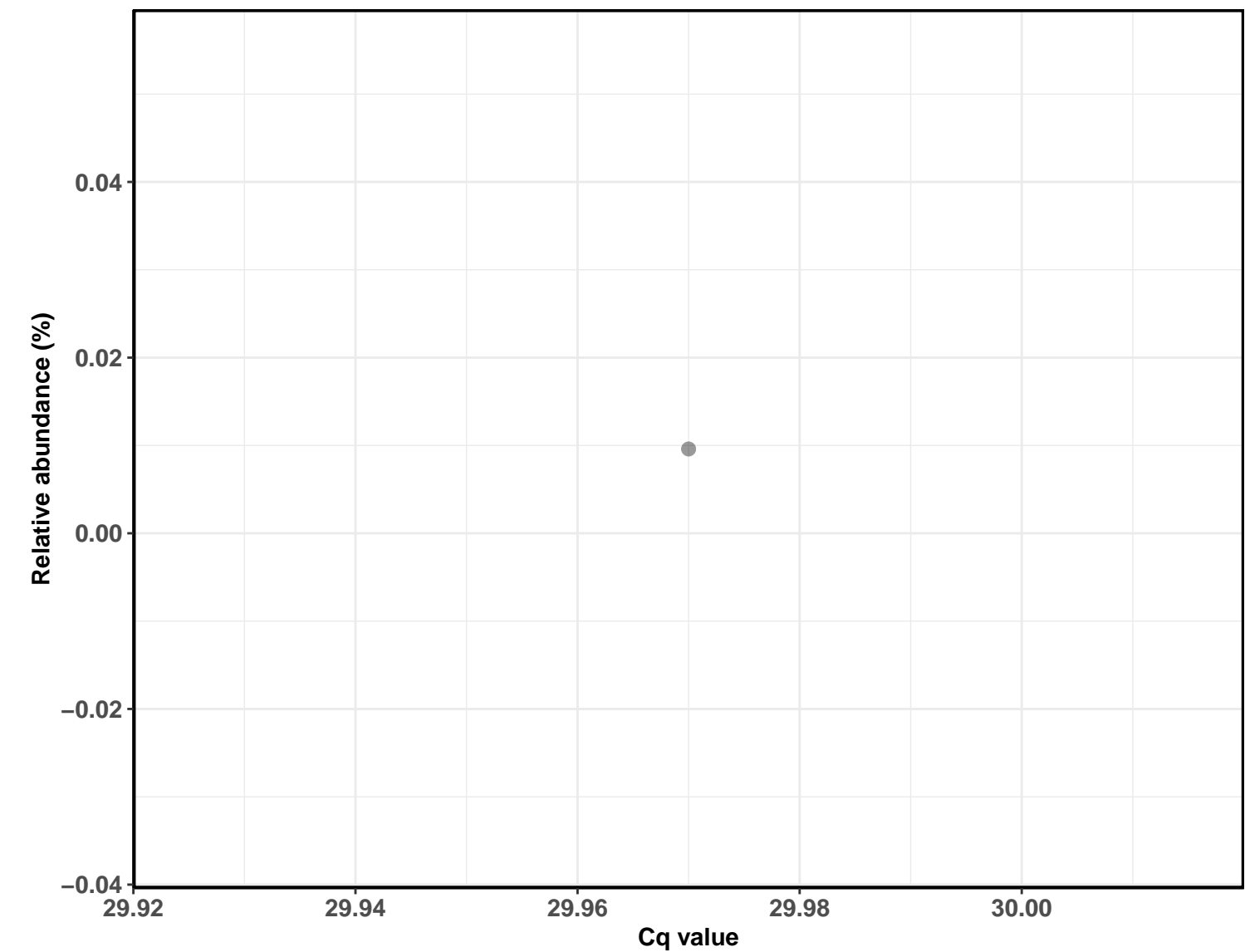


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Sphingomonadales; D_4__Sphingomonadaceae; D_5__Sphingomonas; Ambiguous_taxa

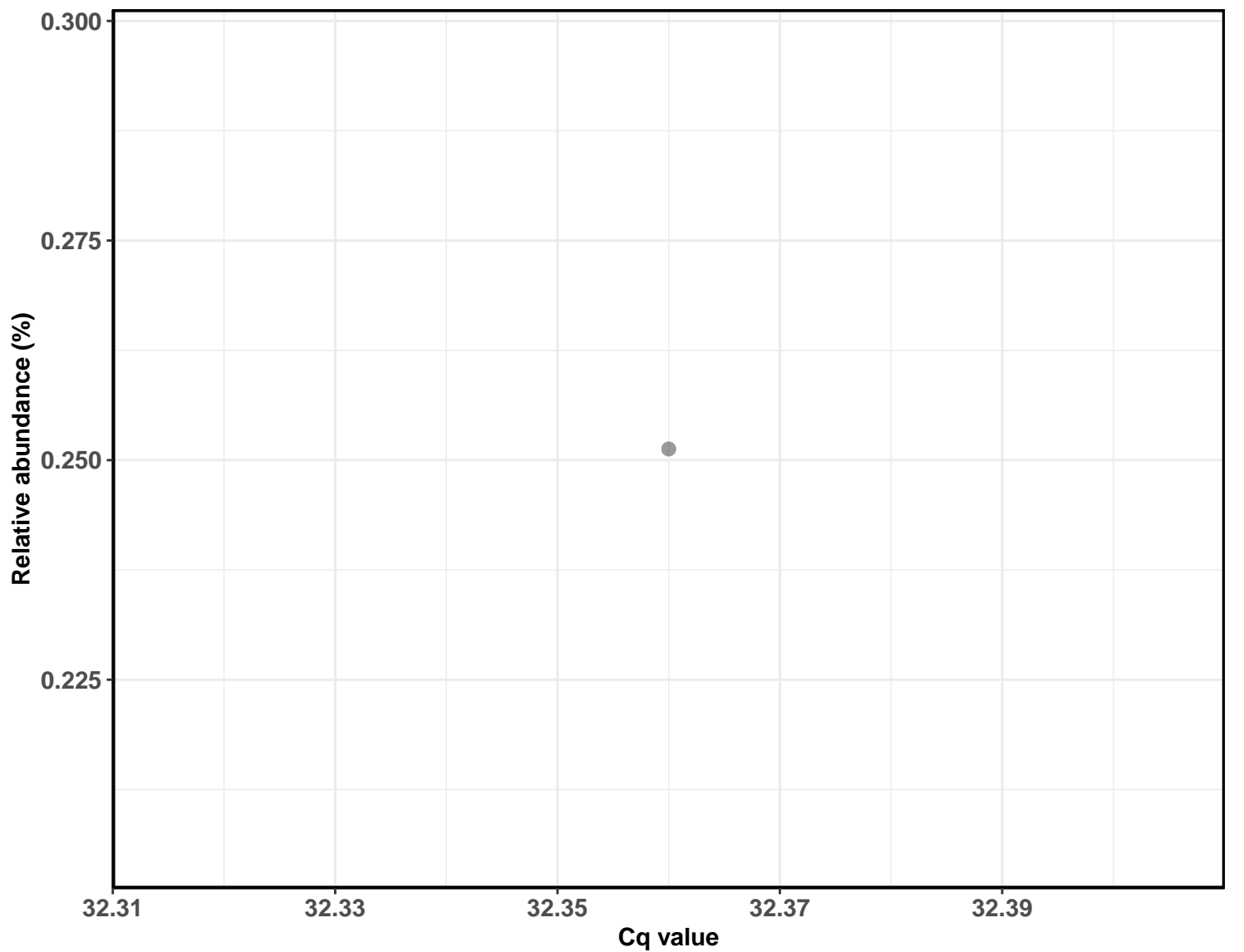
Correlation with all samples



Correlation within the sample type: IM-DIC

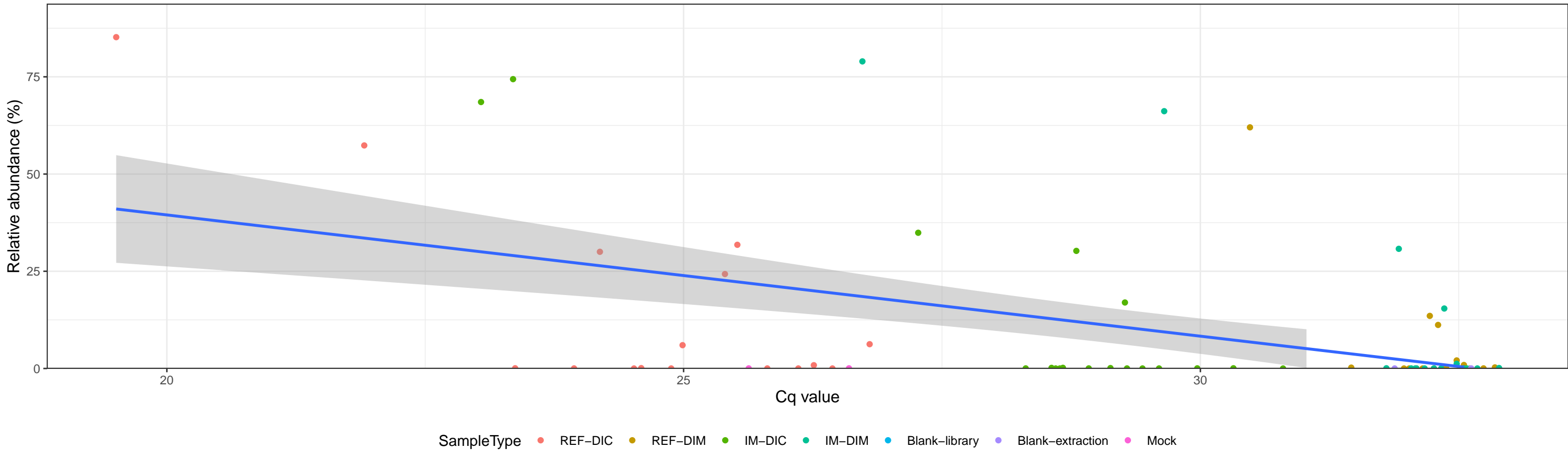


Correlation within the sample type: IM-DIM



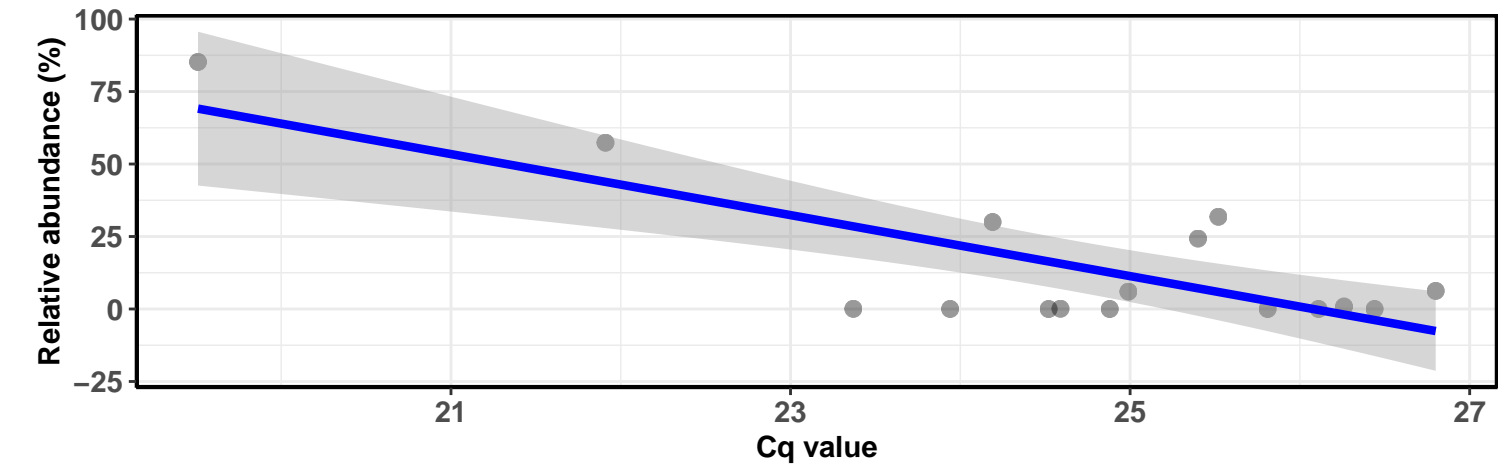
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Aliivibrio; D_6__uncultured bacterium

Correlation with all samples



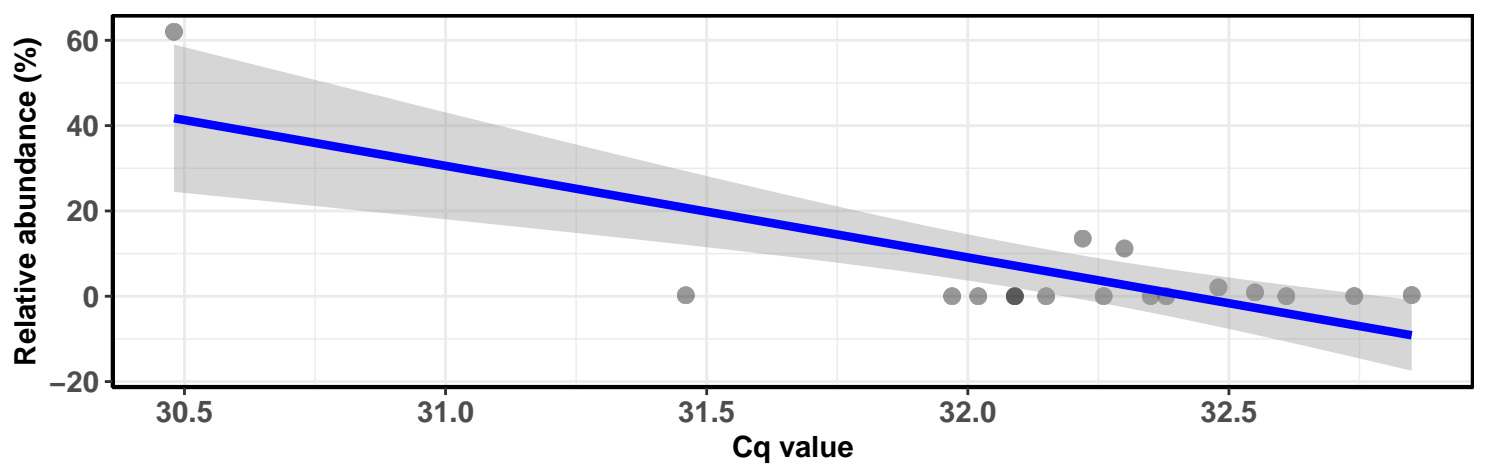
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.793$, $p = 0.240$, $\rho_{\text{Spearman}} = -0.312$, $CI_{95\%} [-0.699, 0.218]$, $n = 16$



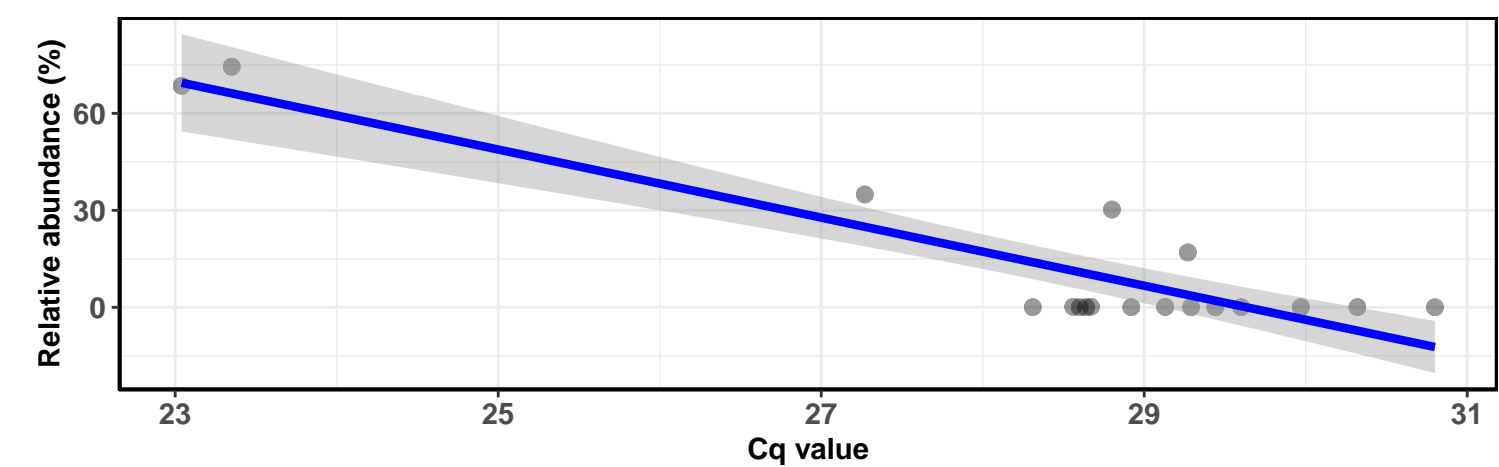
Correlation within the sample type: REF-DIM

$\log_e(S) = 6.525$, $p = 0.529$, $\rho_{\text{Spearman}} = 0.164$, $CI_{95\%} [-0.343, 0.598]$, $n = 17$



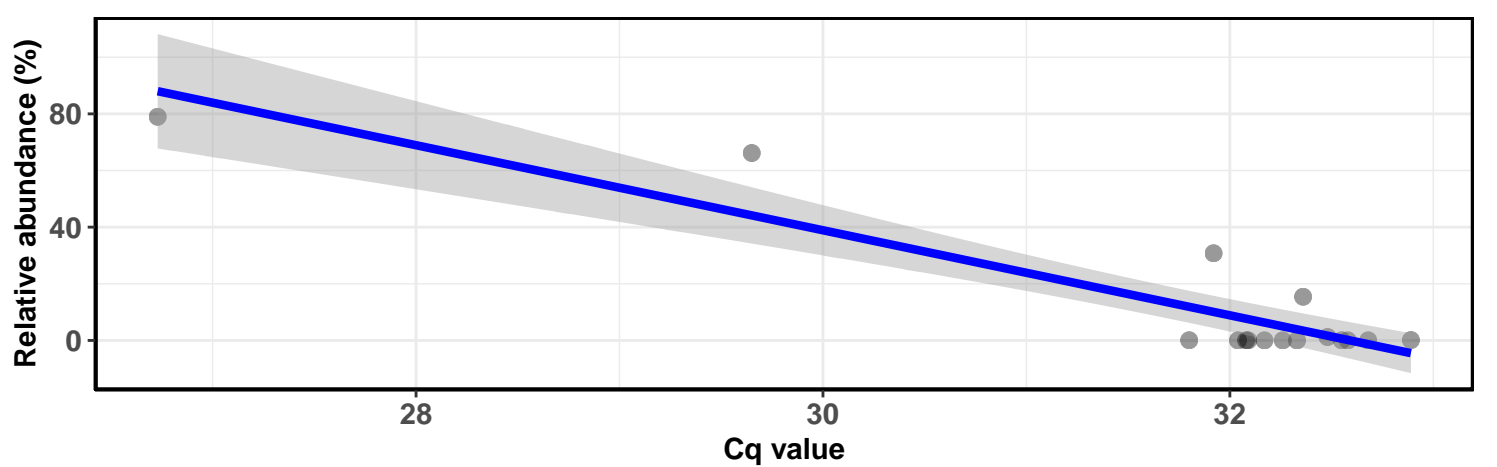
Correlation within the sample type: IM-DIC

$\log_e(S) = 7.305$, $p = 0.022$, $\rho_{\text{Spearman}} = -0.536$, $CI_{95\%} [-0.802, -0.092]$, $n = 18$



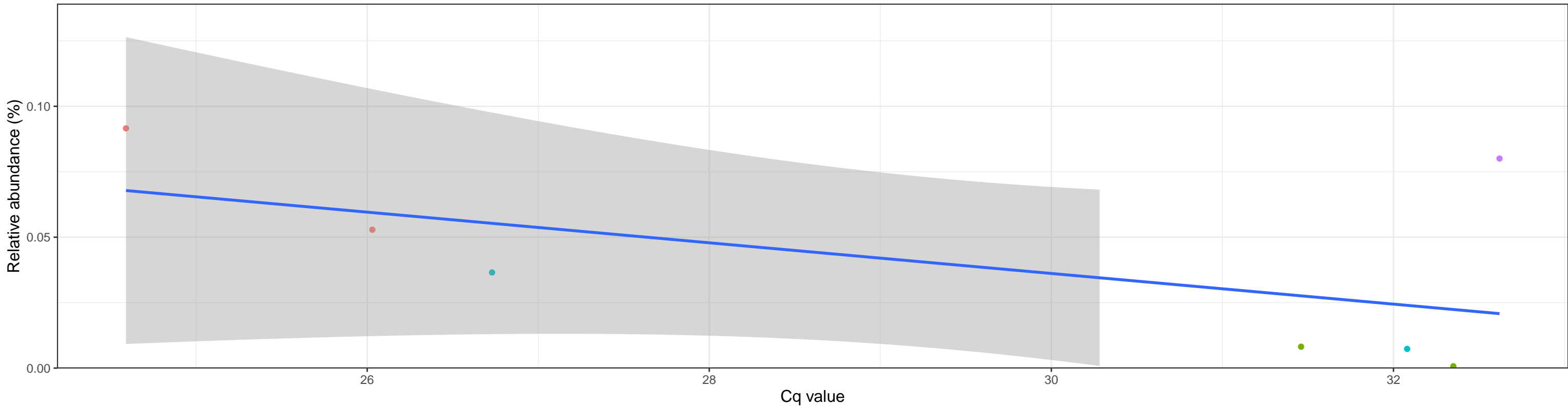
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.859$, $p = 0.125$, $\rho_{\text{Spearman}} = -0.400$, $CI_{95\%} [-0.747, 0.119]$, $n = 16$



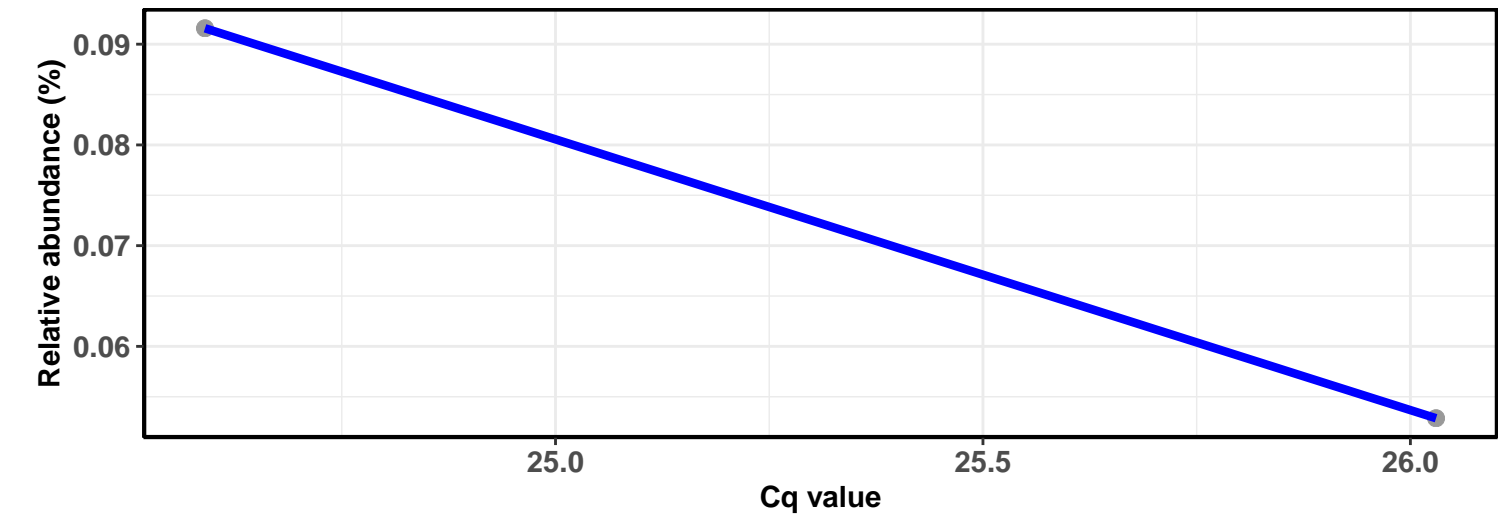
D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Sphingomonadales; D_4__Sphingomonadaceae; D_5__Sphingomonas; Ambiguous_taxa

Correlation with all samples

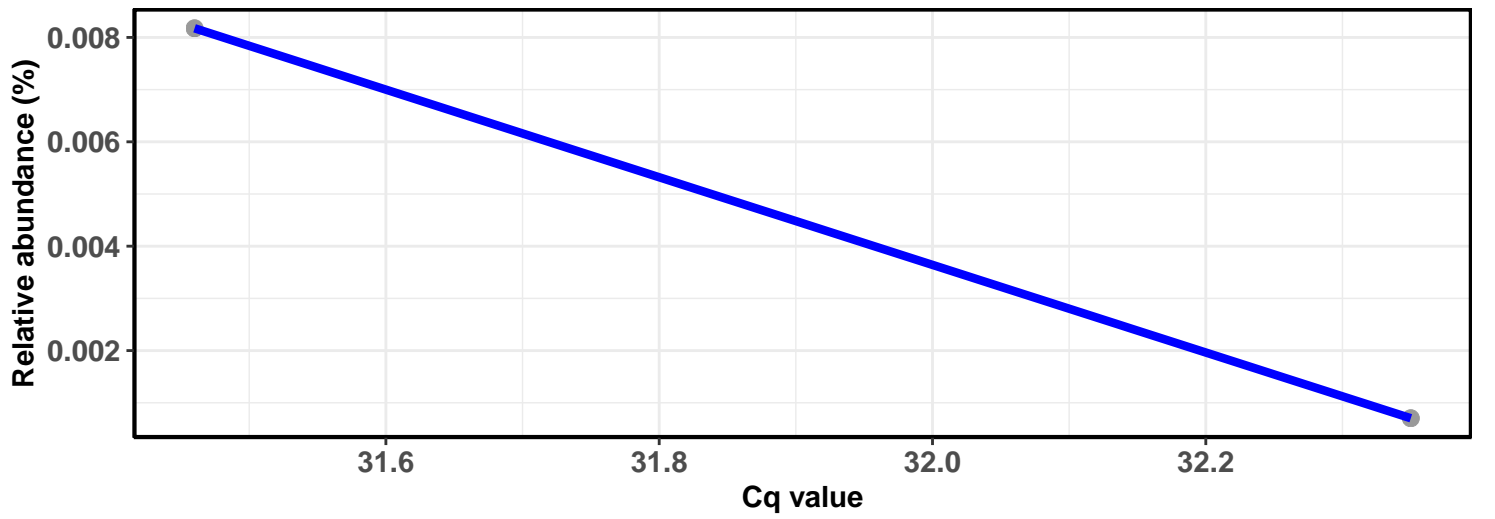


SampleType REF-DIC REF-DIM IM-DIM Blank-extraction

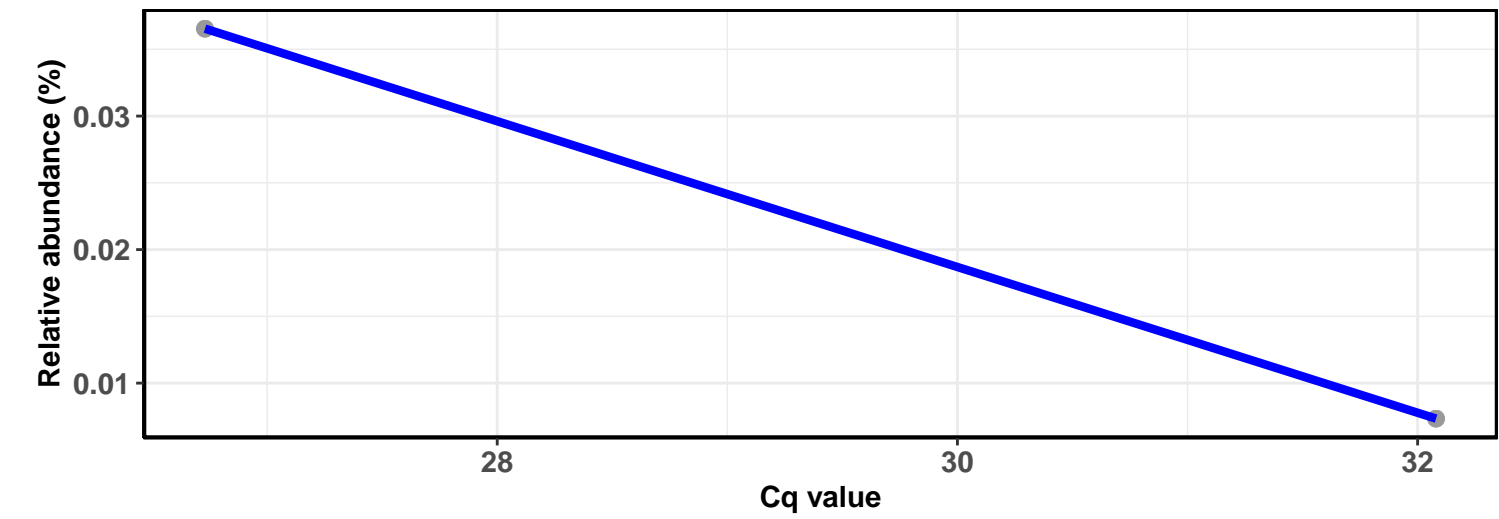
Correlation within the sample type: REF-DIC



Correlation within the sample type: REF-DIM

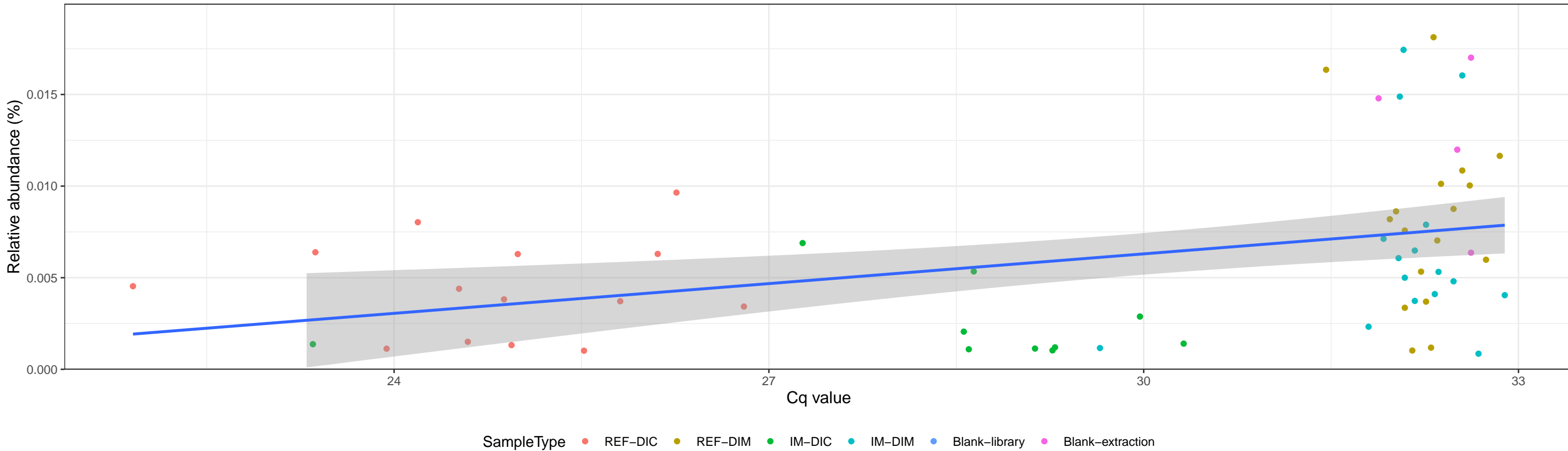


Correlation within the sample type: IM-DIM



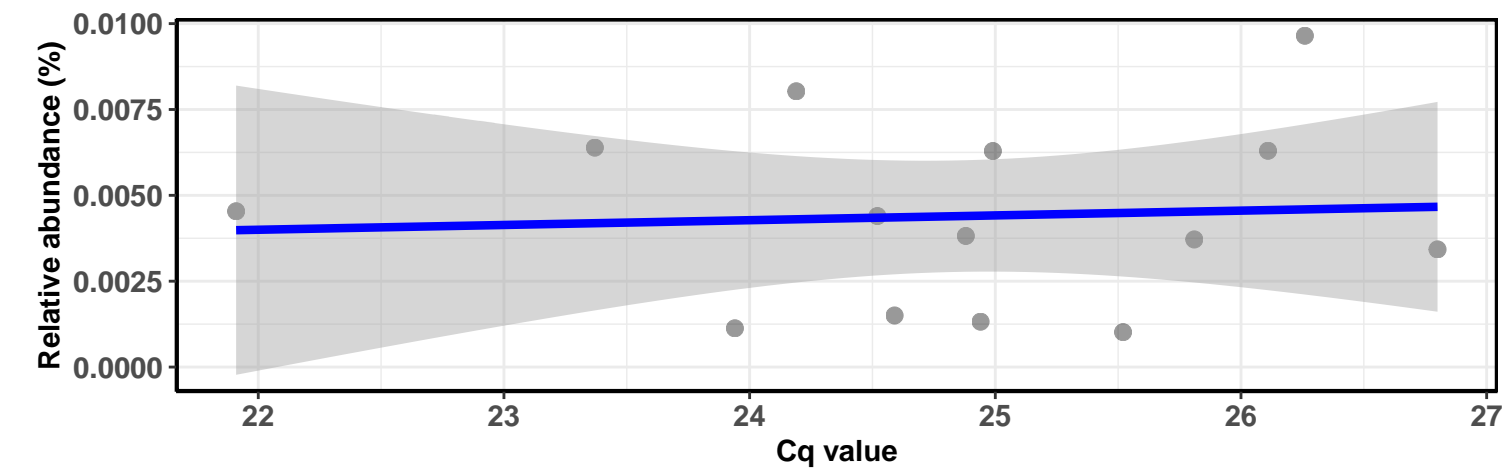
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



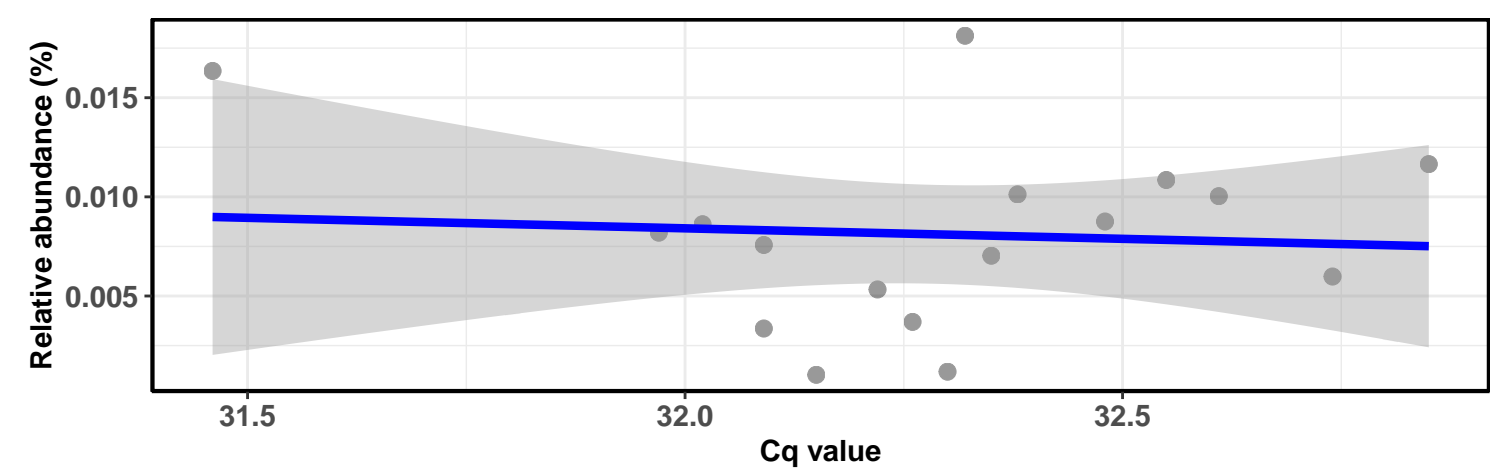
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.161$, $p = 0.887$, $\rho_{\text{Spearman}} = -0.042$, $CI_{95\%} [-0.560, 0.500]$, $n = 14$



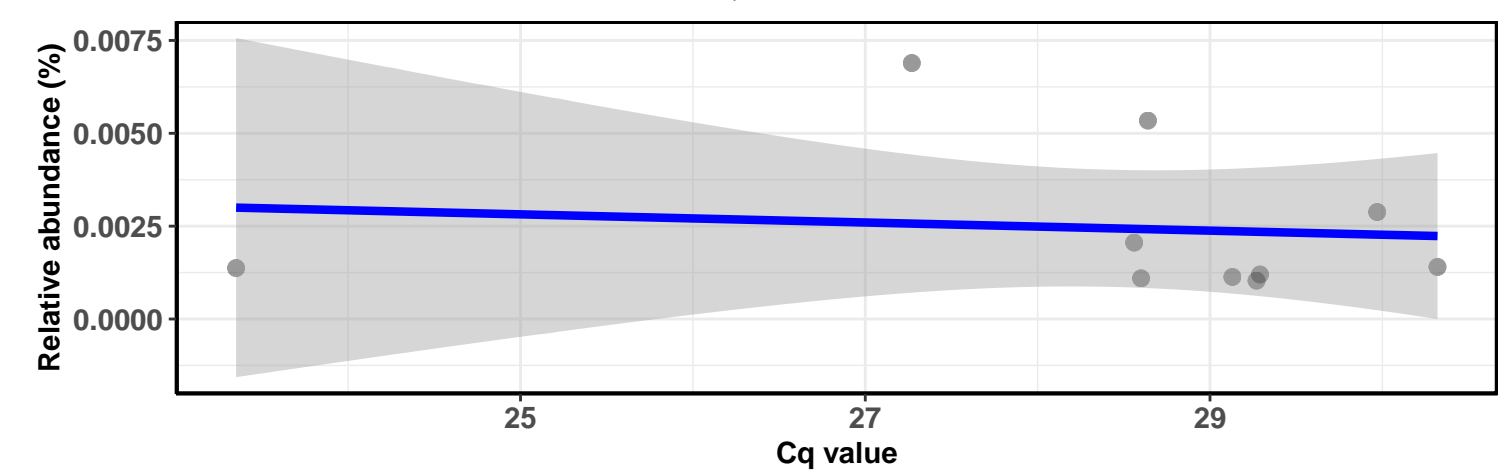
Correlation within the sample type: REF-DIM

$\log_e(S) = 6.421$, $p = 0.340$, $\rho_{\text{Spearman}} = 0.246$, $CI_{95\%} [-0.266, 0.650]$, $n = 17$



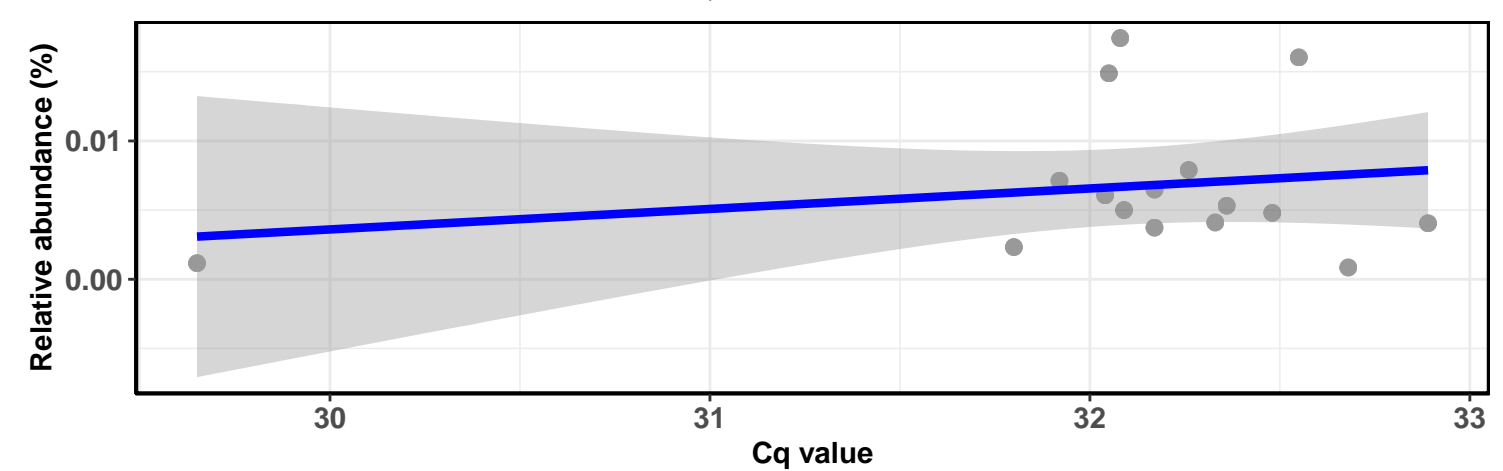
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.268$, $p = 0.627$, $\rho_{\text{Spearman}} = -0.176$, $CI_{95\%} [-0.725, 0.510]$, $n = 10$



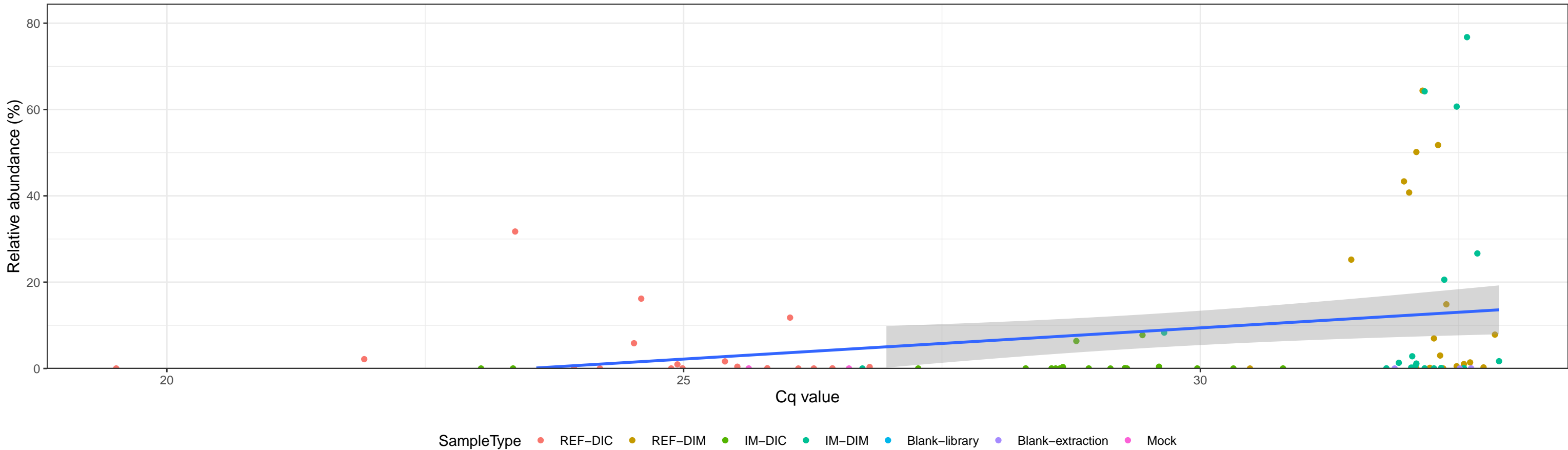
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.586$, $p = 0.807$, $\rho_{\text{Spearman}} = -0.066$, $CI_{95\%} [-0.544, 0.444]$, $n = 16$



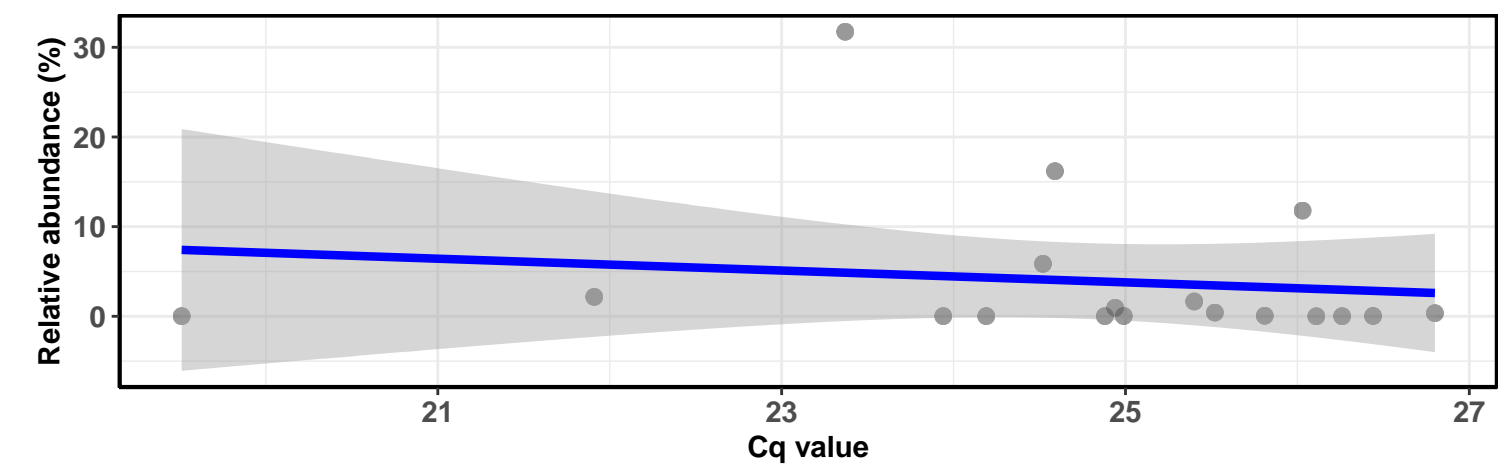
D_0__Bacteria; D_1__Spirochaetes; D_2__Spirochaetia; D_3__Brevinematales; D_4__Brevinemataceae; D_5__Brevinema; D_6__Brevinema andersonii

Correlation with all samples



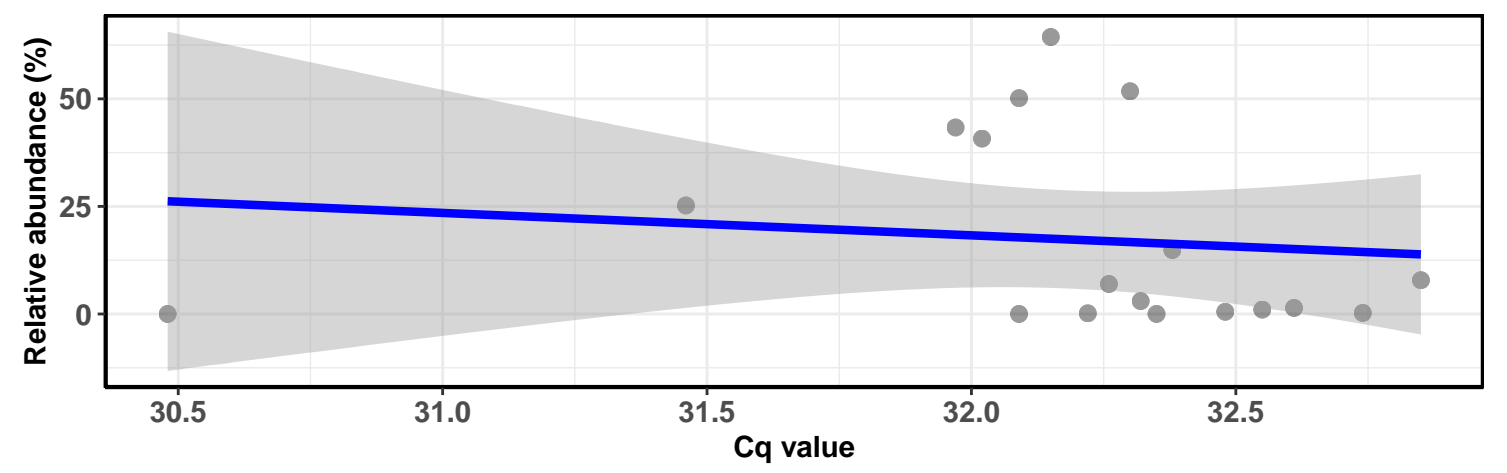
Correlation within the sample type: REF-DIC

$\log_e(S) = 7.051$, $p = 0.448$, $\rho_{\text{Spearman}} = -0.191$, $CI_{95\%} [-0.604, 0.303]$, $n = 18$



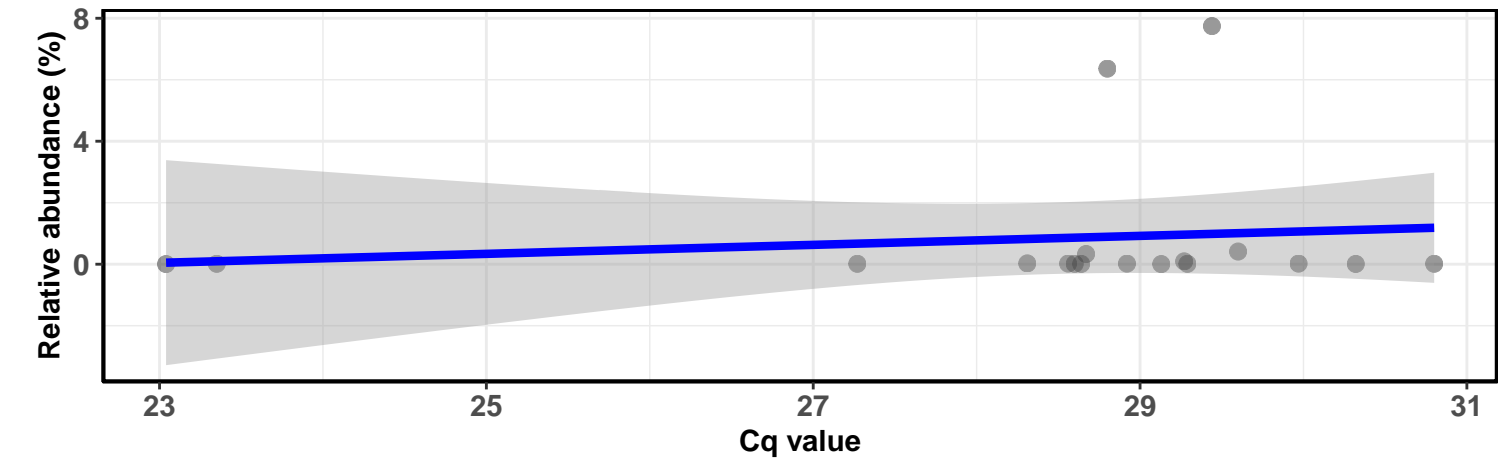
Correlation within the sample type: REF-DIM

$\log_e(S) = 7.044$, $p = 0.468$, $\rho_{\text{Spearman}} = -0.183$, $CI_{95\%} [-0.599, 0.311]$, $n = 18$



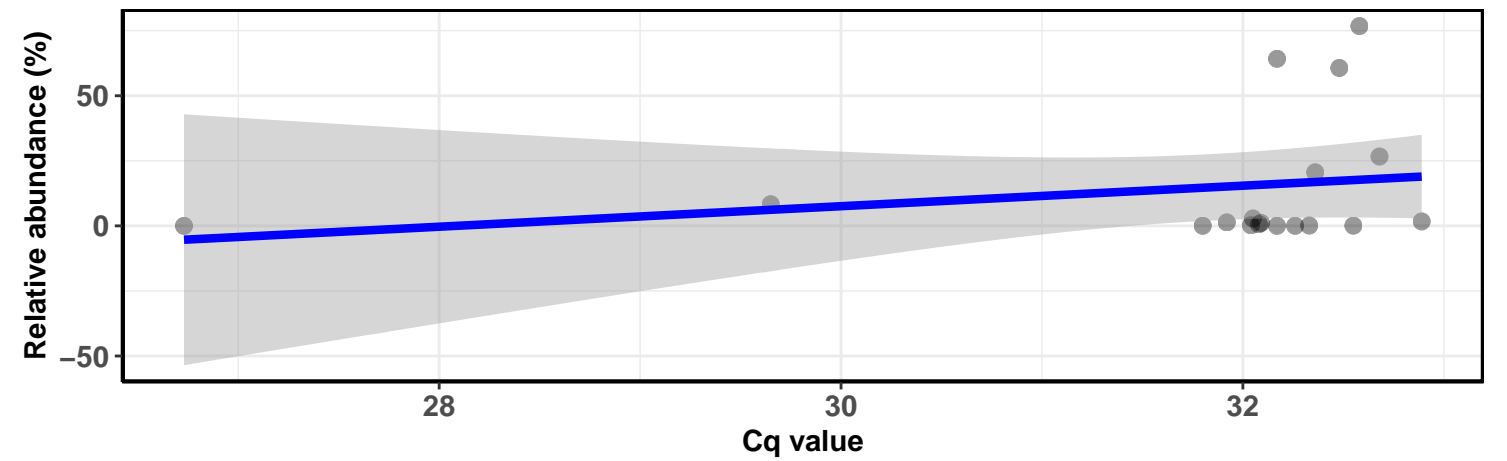
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.654$, $p = 0.428$, $\rho_{\text{Spearman}} = 0.199$, $CI_{95\%} [-0.295, 0.609]$, $n = 18$



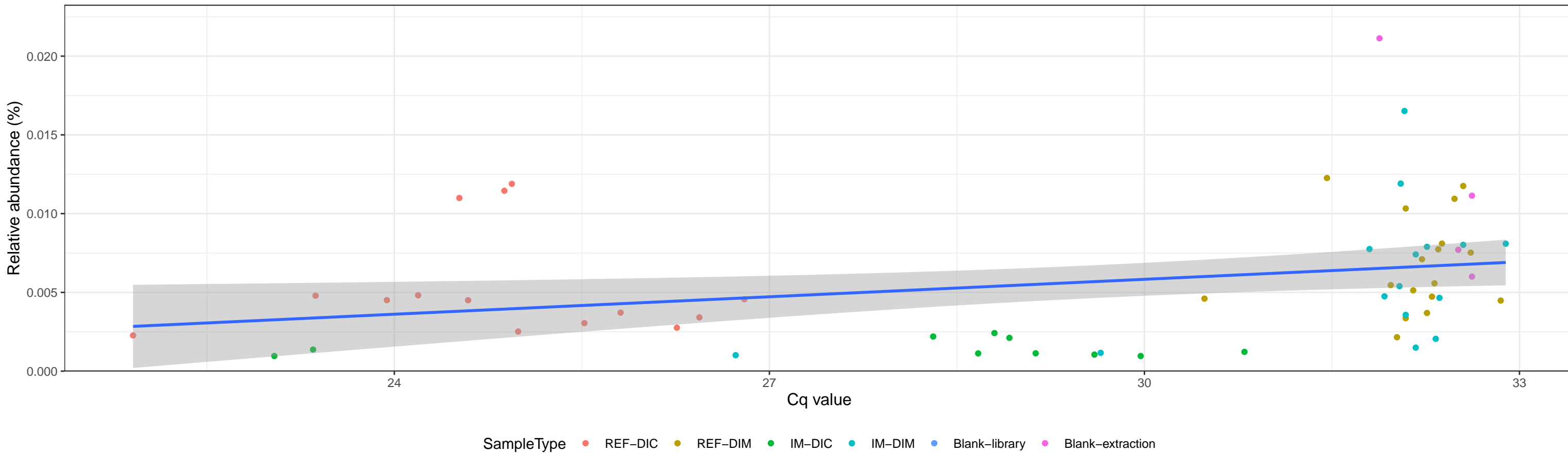
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.359$, $p = 0.097$, $\rho_{\text{Spearman}} = 0.404$, $CI_{95\%} [-0.078, 0.733]$, $n = 18$



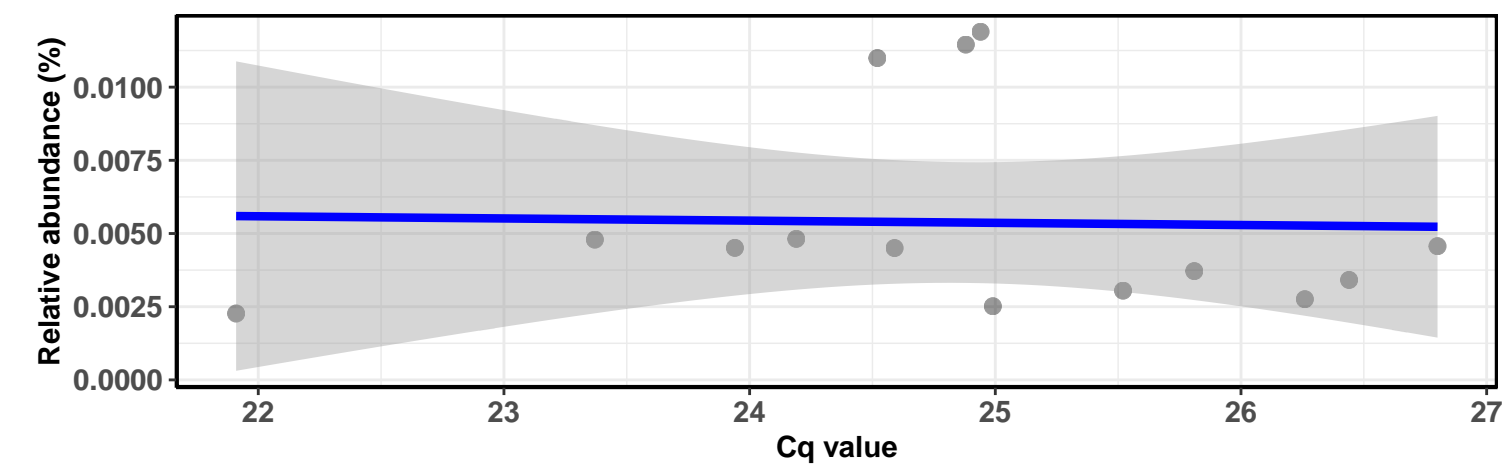
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



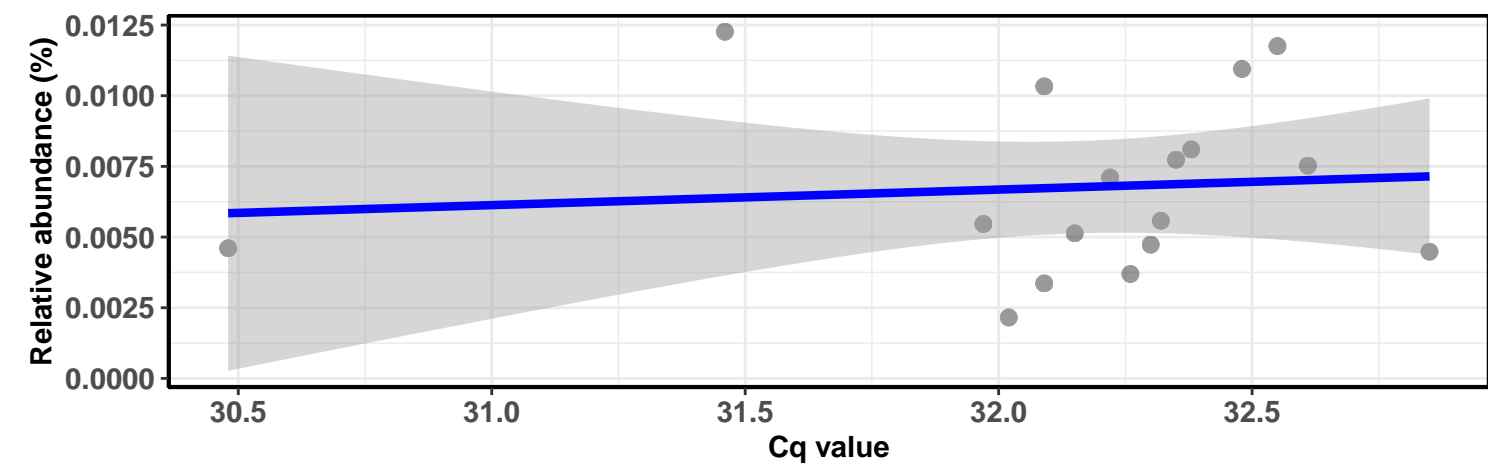
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.292$, $p = 0.523$, $\rho_{\text{Spearman}} = -0.187$, $\text{CI}_{95\%} [-0.653, 0.382]$, $n = 14$



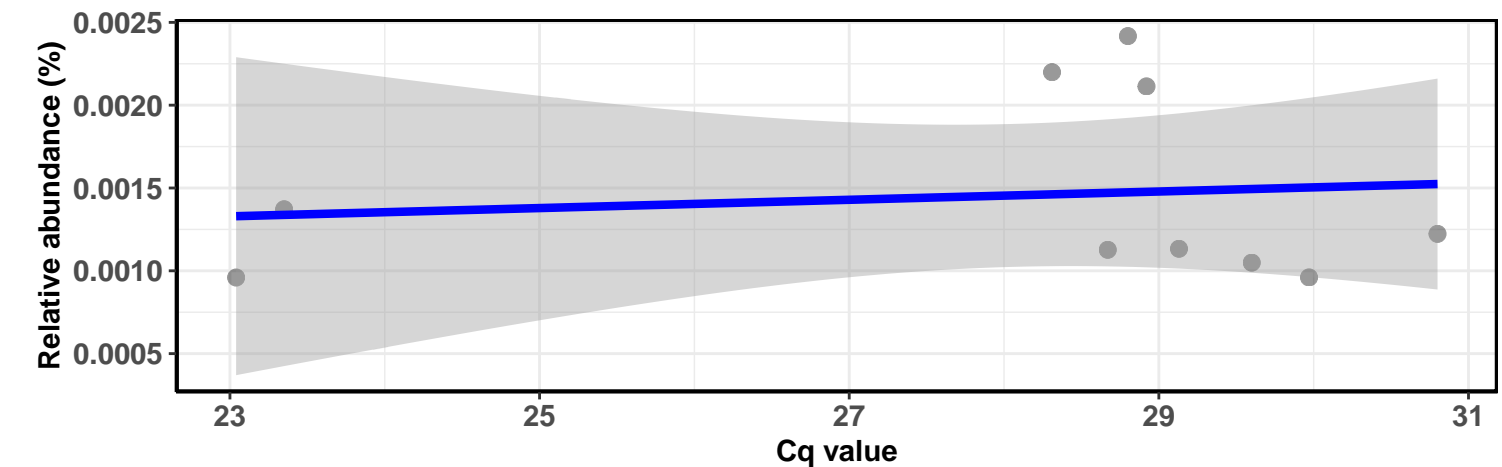
Correlation within the sample type: REF-DIM

$\log_e(S) = 6.423$, $p = 0.343$, $\rho_{\text{Spearman}} = 0.245$, $\text{CI}_{95\%} [-0.267, 0.649]$, $n = 17$



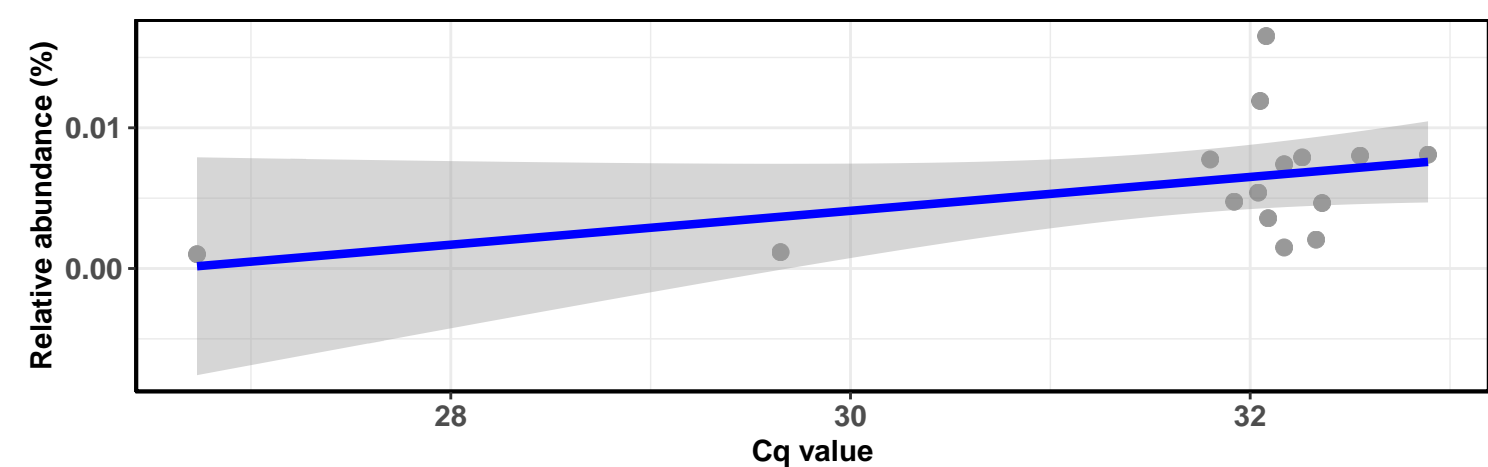
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.215$, $p = 0.751$, $\rho_{\text{Spearman}} = -0.115$, $\text{CI}_{95\%} [-0.694, 0.555]$, $n = 10$



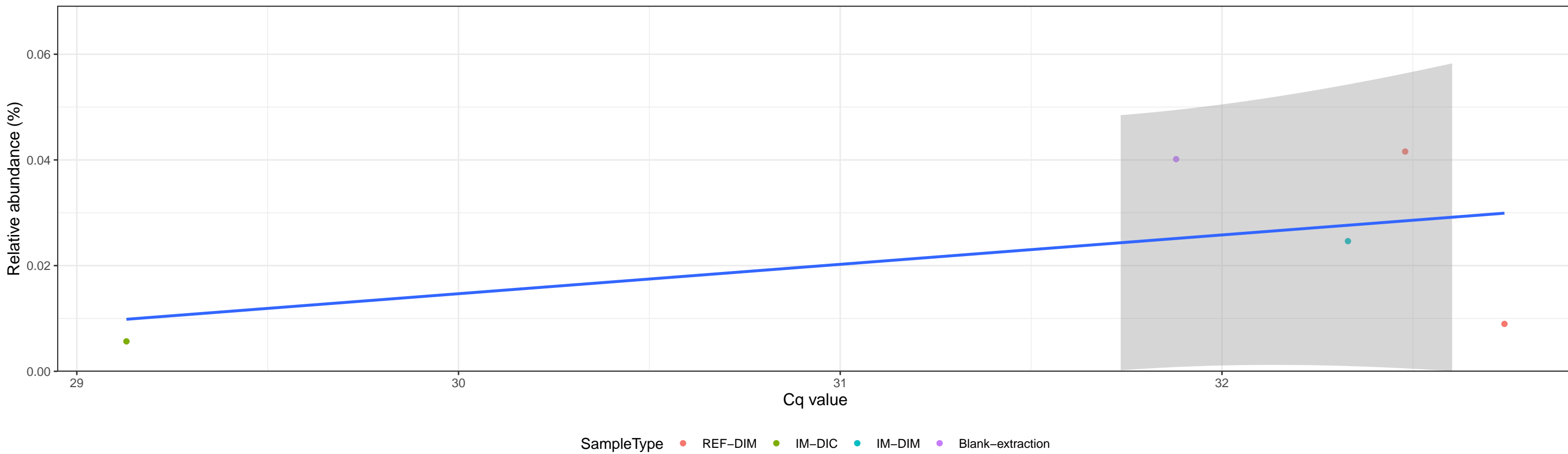
Correlation within the sample type: IM-DIM

$\log_e(S) = 5.908$, $p = 0.210$, $\rho_{\text{Spearman}} = 0.343$, $\text{CI}_{95\%} [-0.205, 0.728]$, $n = 15$

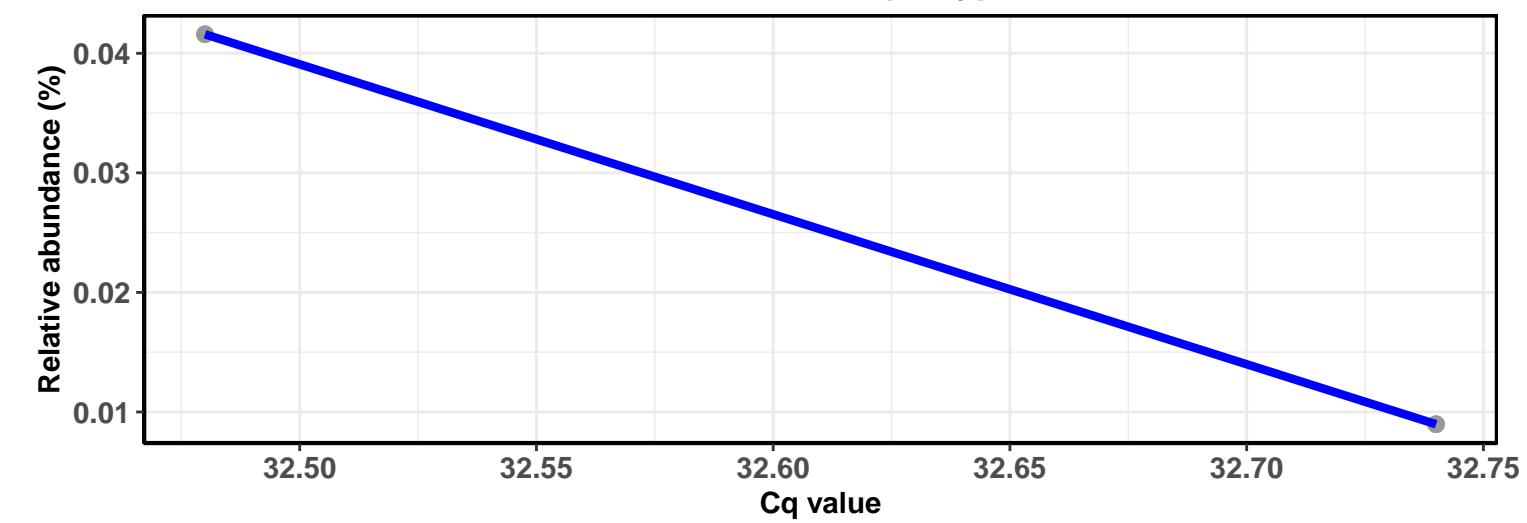


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Rhizobiales; D_4__Devosiaceae; D_5__Devosia

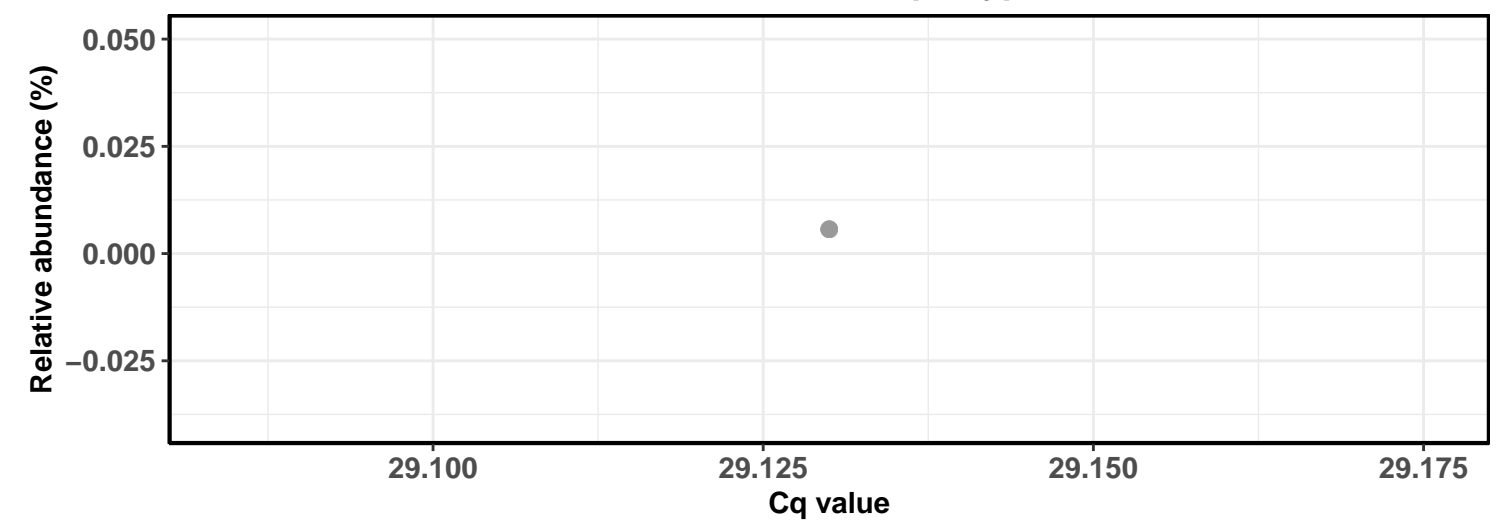
Correlation with all samples



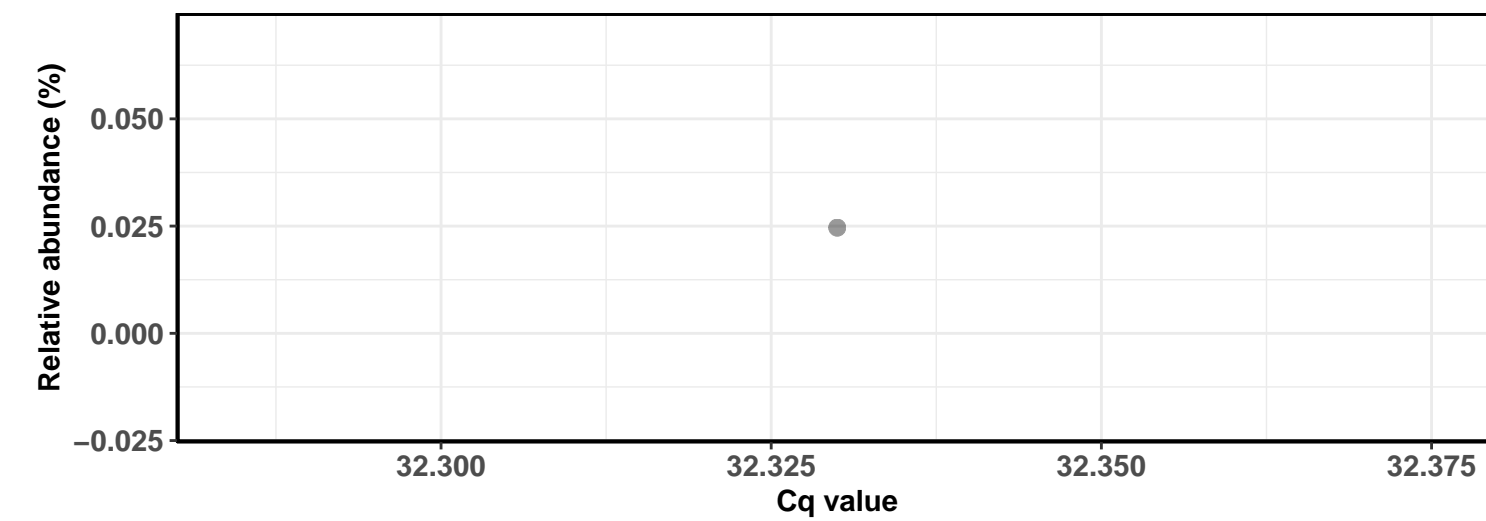
Correlation within the sample type: REF-DIM



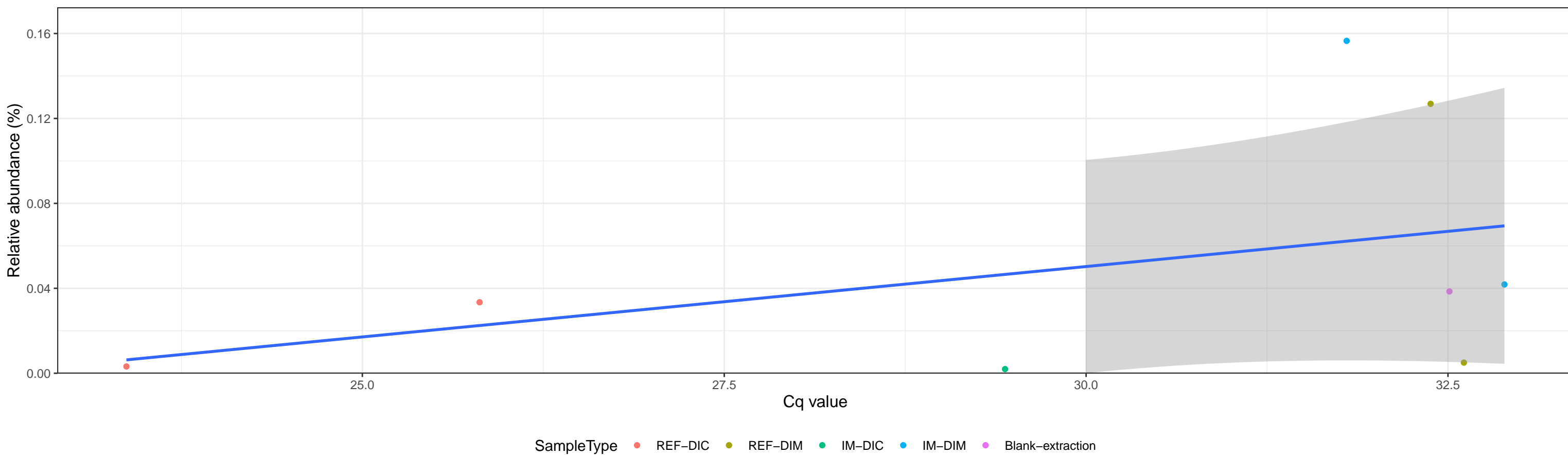
Correlation within the sample type: IM-DIC



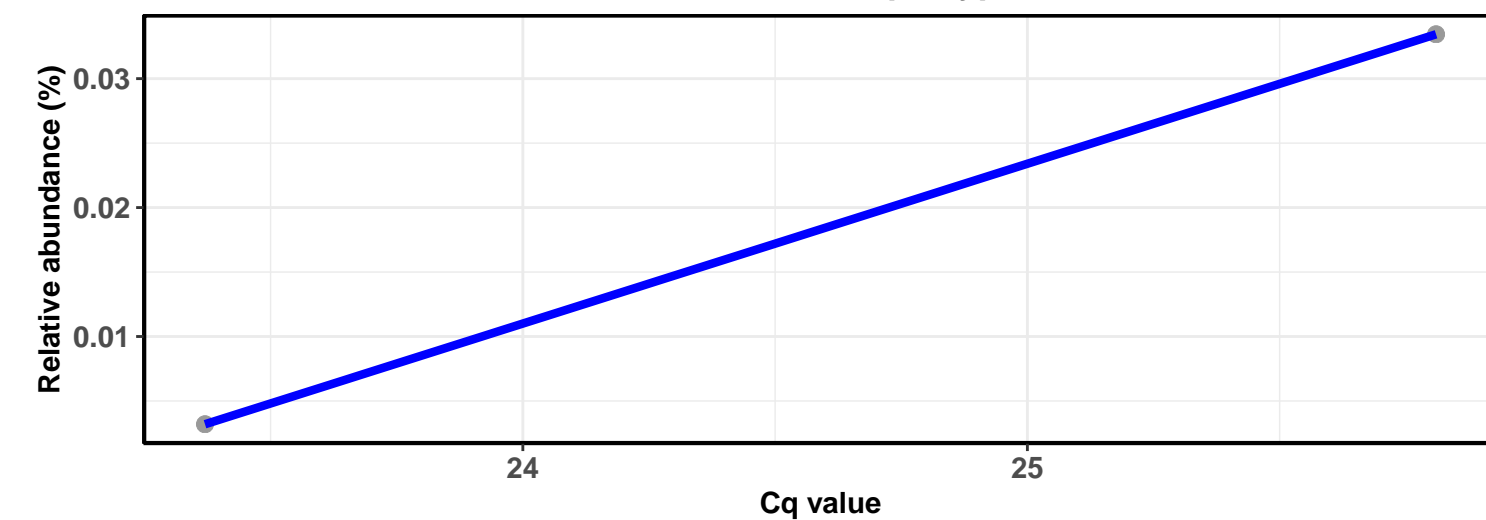
Correlation within the sample type: IM-DIM



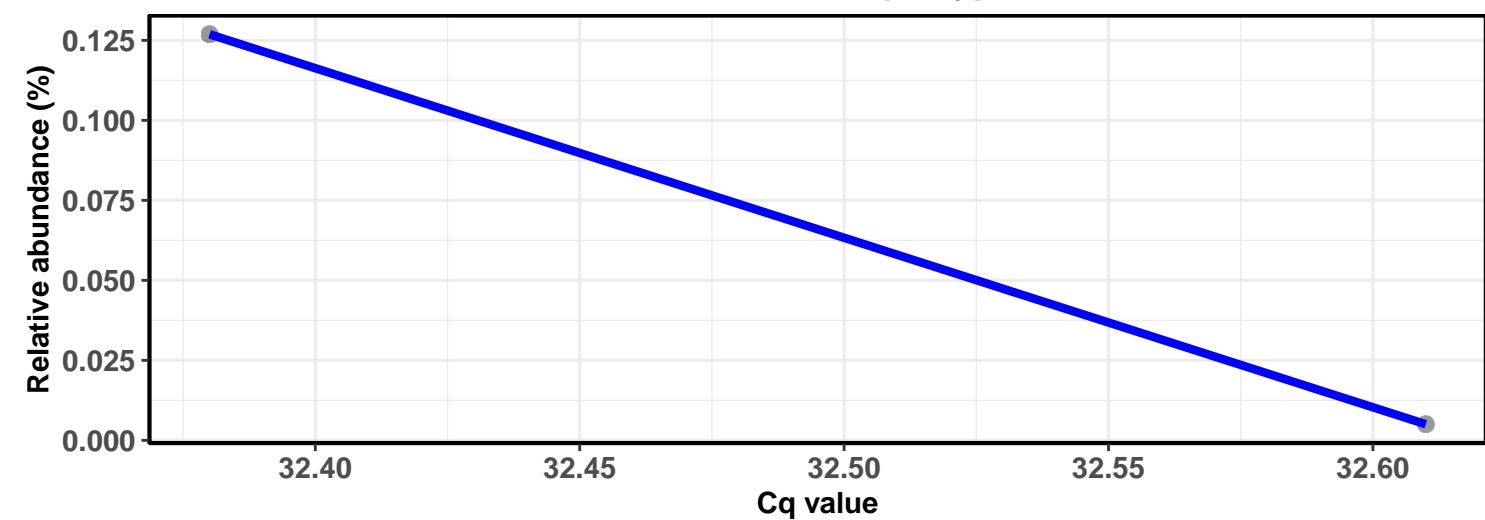
Correlation with all samples



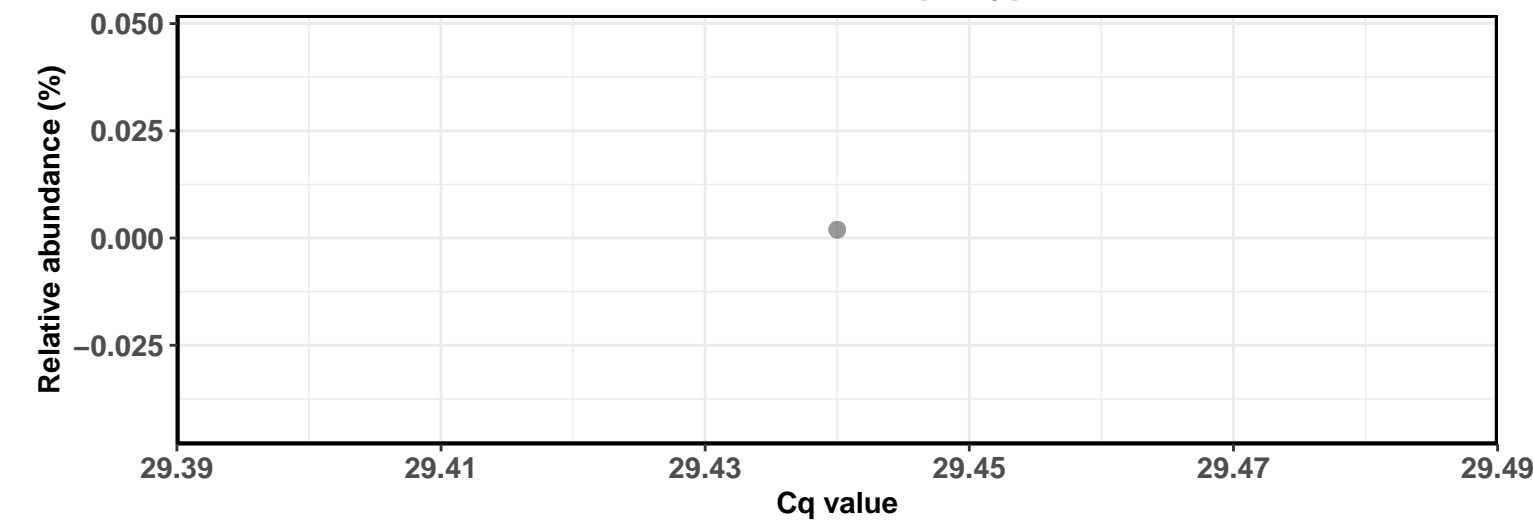
Correlation within the sample type: REF-DIC



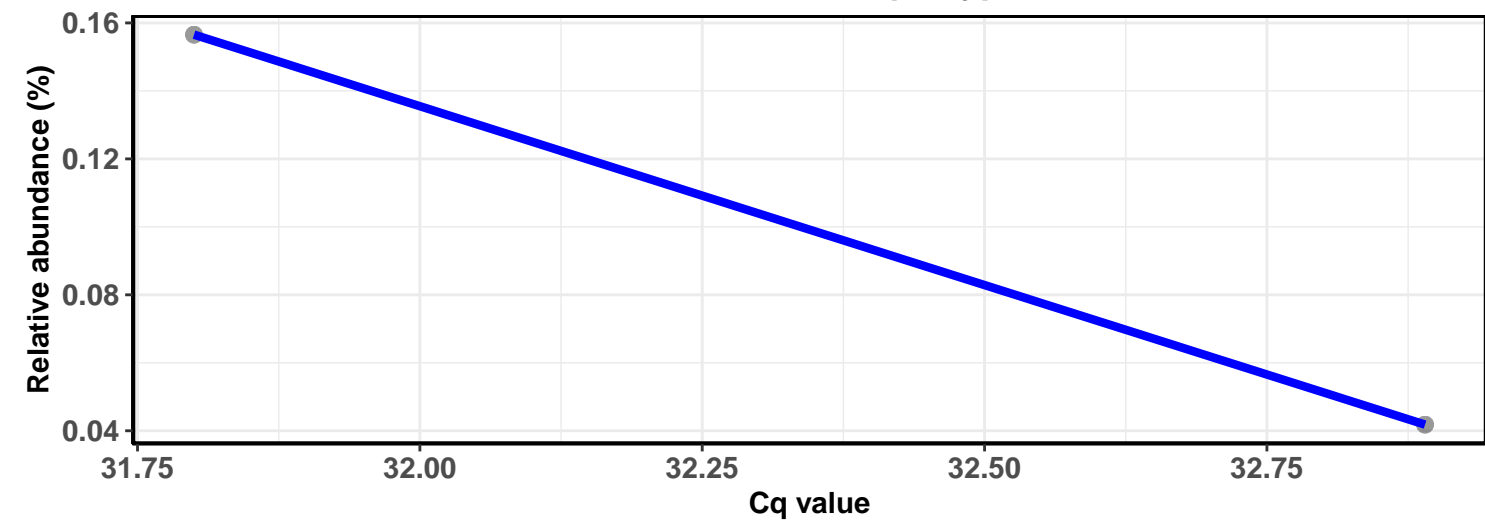
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

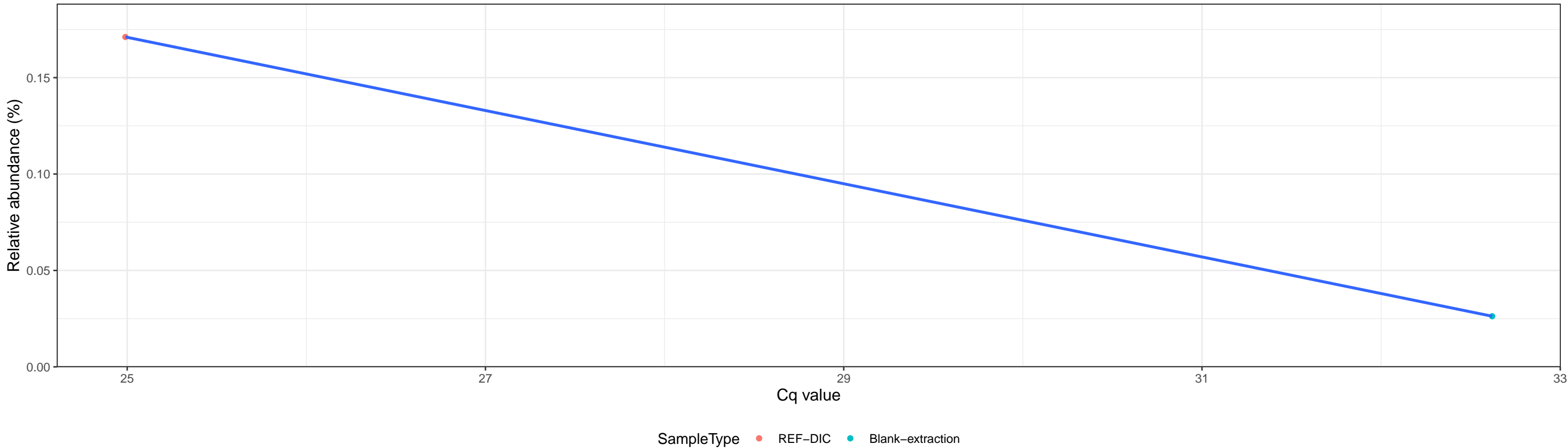


Correlation within the sample type: IM-DIM

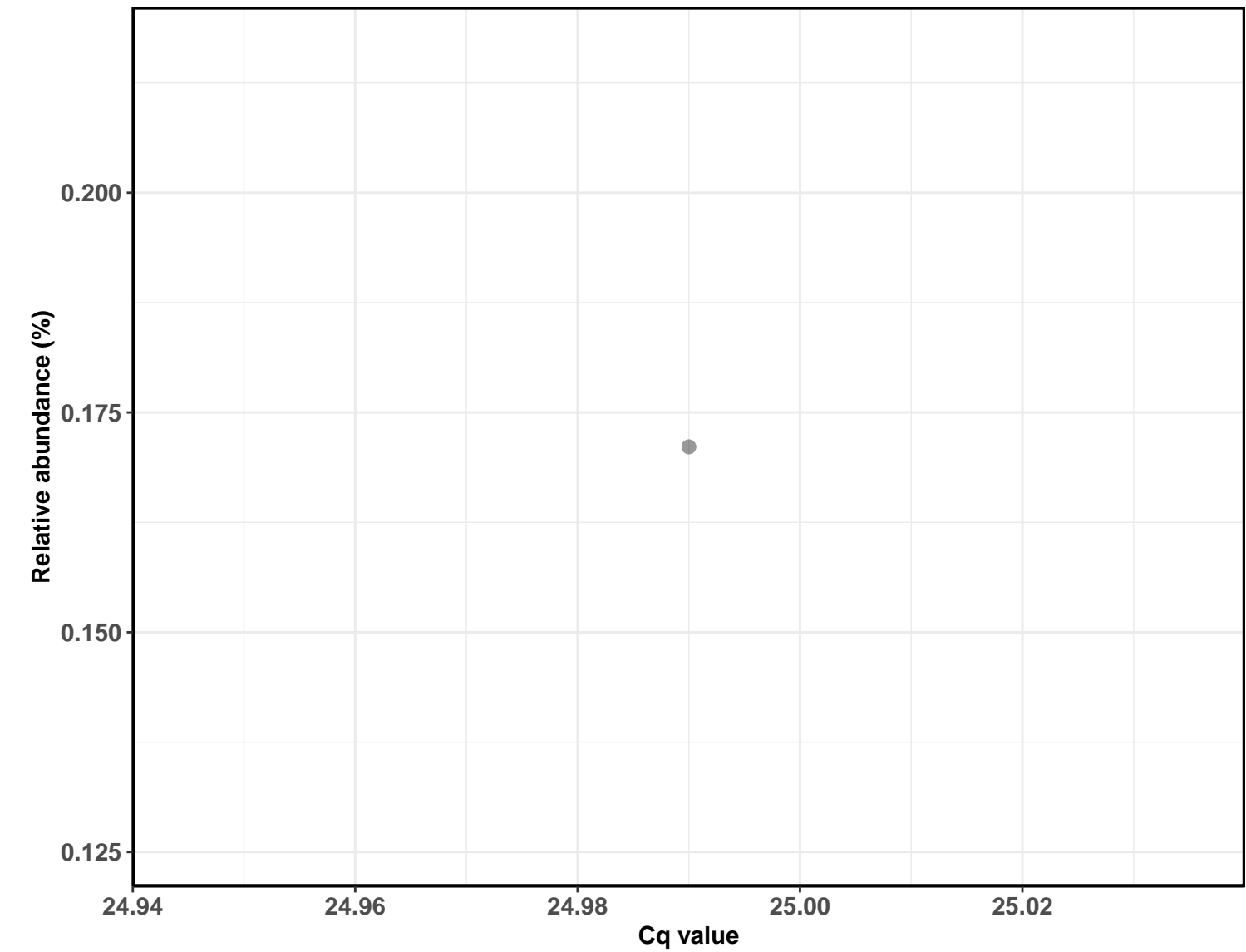


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured Hymenobacter sp.

Correlation with all samples

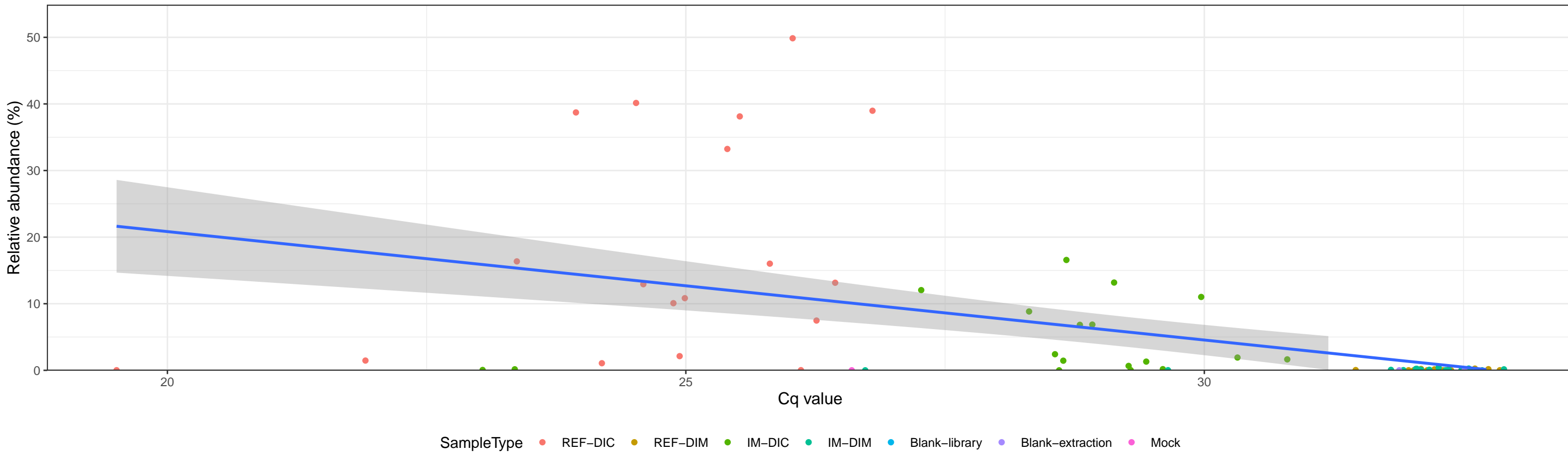


Correlation within the sample type: REF-DIC



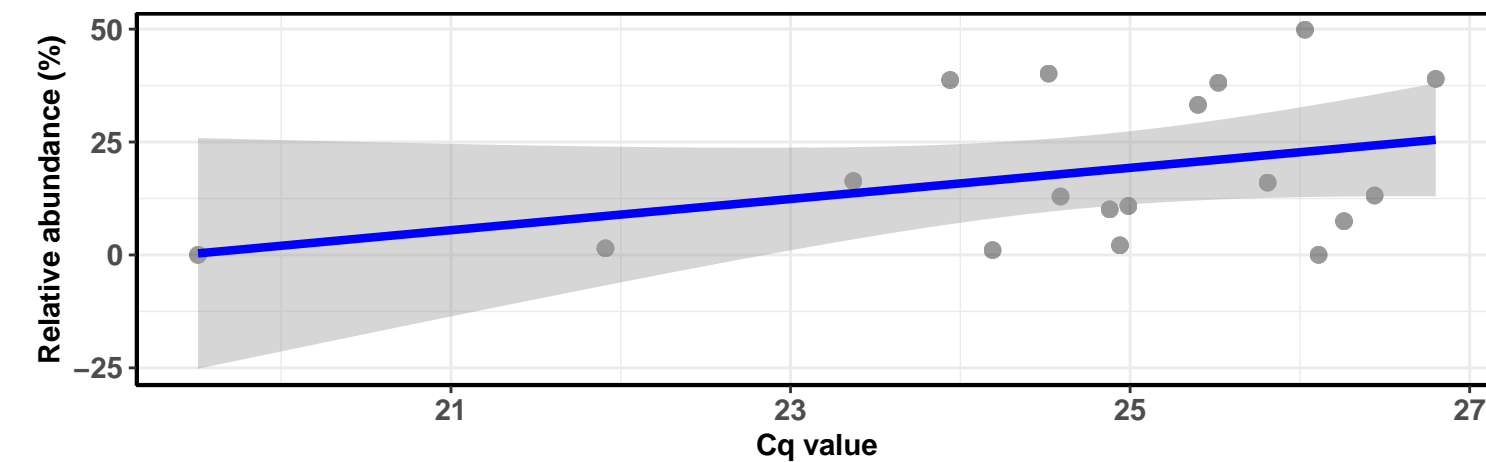
D_0__Bacteria; D_1__Tenericutes; D_2__Mollicutes; D_3__Mycoplasmatales; D_4__Mycoplasmataceae; D_5__Mycoplasma; D_6__uncultured bacterium

Correlation with all samples



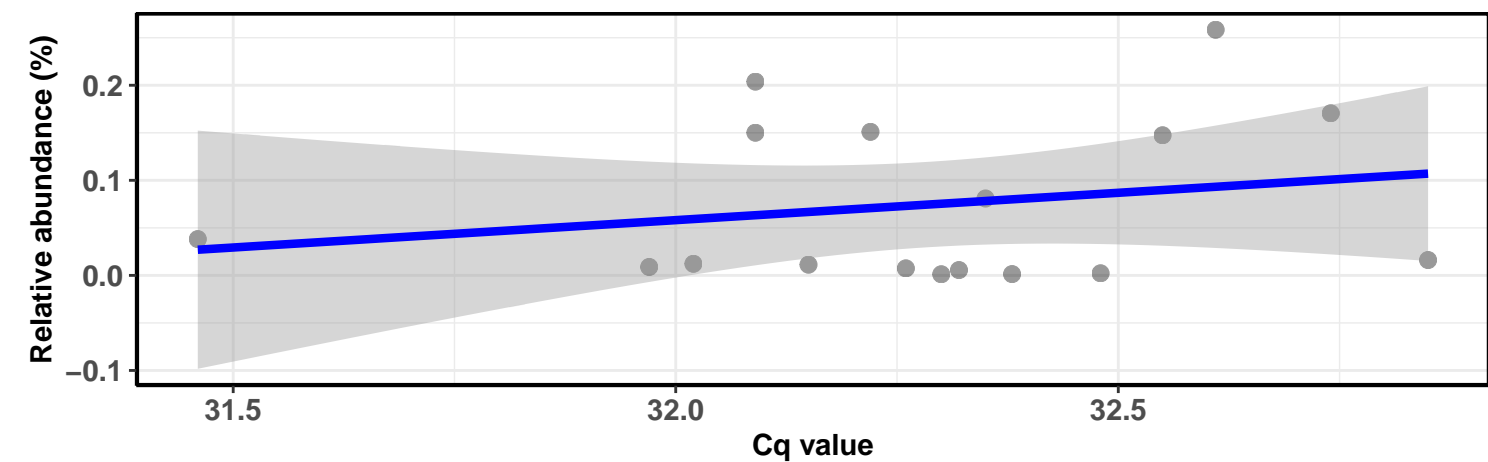
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.560$, $p = 0.276$, $\rho_{\text{Spearman}} = 0.271$, $CI_{95\%} [-0.224, 0.655]$, $n = 18$



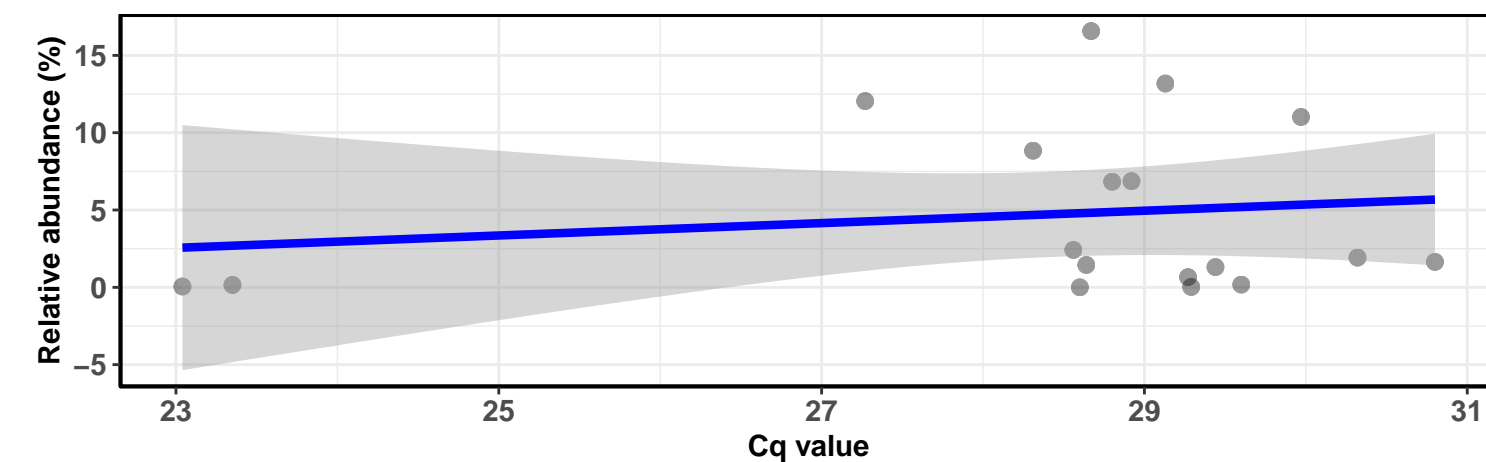
Correlation within the sample type: REF-DIM

$\log_e(S) = 6.632$, $p = 0.790$, $\rho_{\text{Spearman}} = 0.070$, $CI_{95\%} [-0.425, 0.533]$, $n = 17$



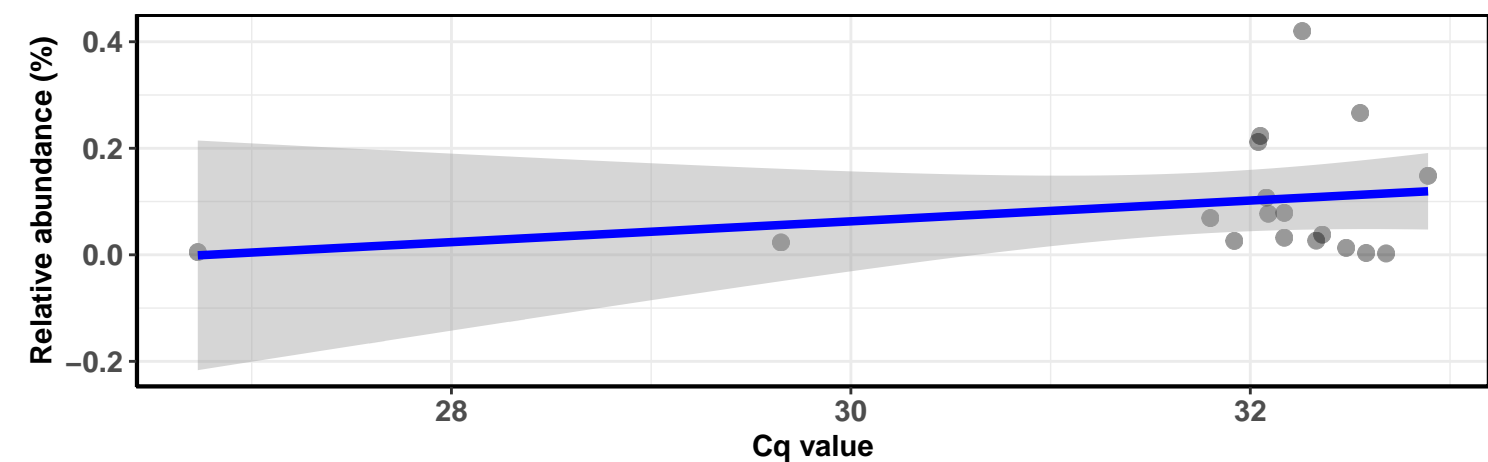
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.835$, $p = 0.874$, $\rho_{\text{Spearman}} = 0.040$, $CI_{95\%} [-0.435, 0.498]$, $n = 18$



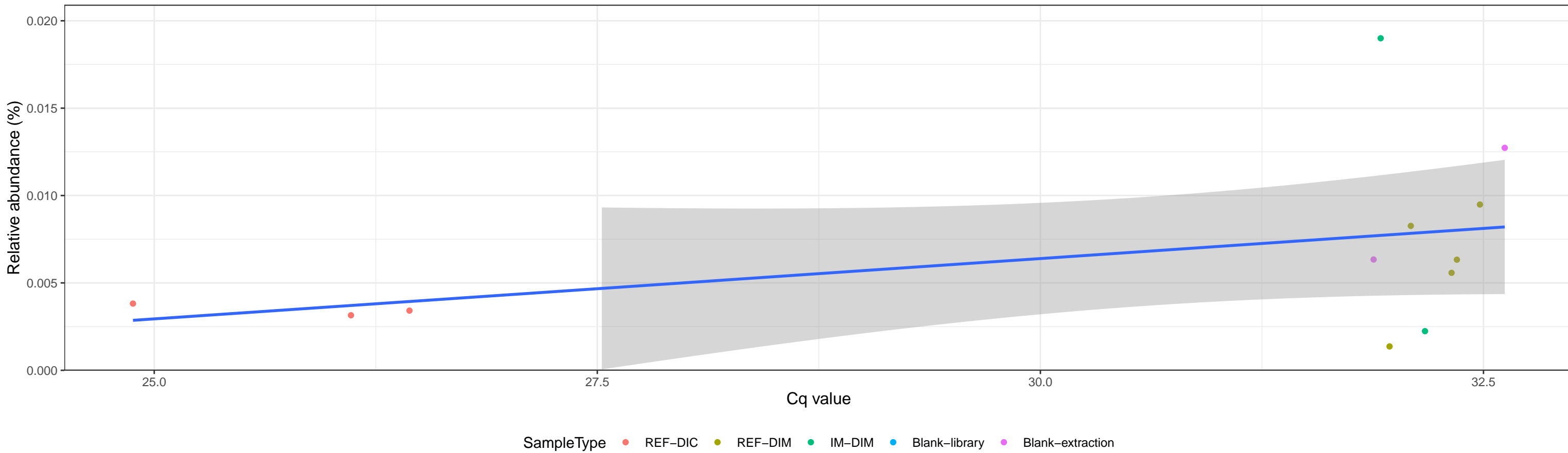
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.890$, $p = 0.958$, $\rho_{\text{Spearman}} = -0.013$, $CI_{95\%} [-0.477, 0.456]$, $n = 18$

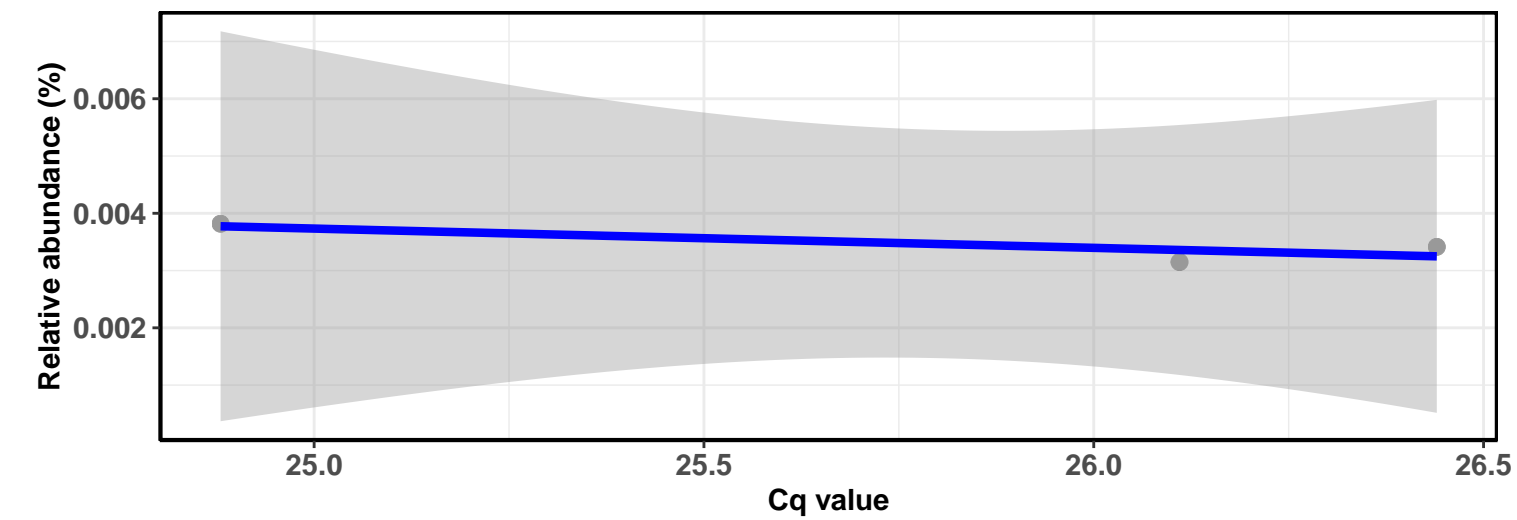


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Caulobacterales; D_4__Caulobacteraceae; D_5__Brevundimonas; Ambiguous_taxa

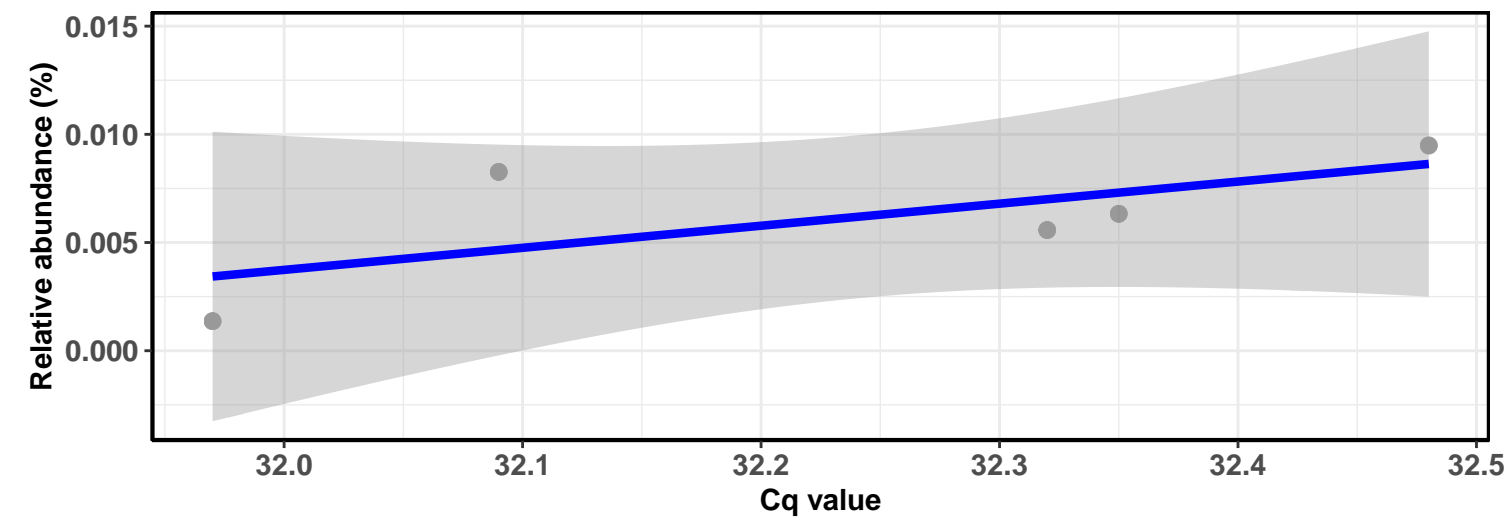
Correlation with all samples



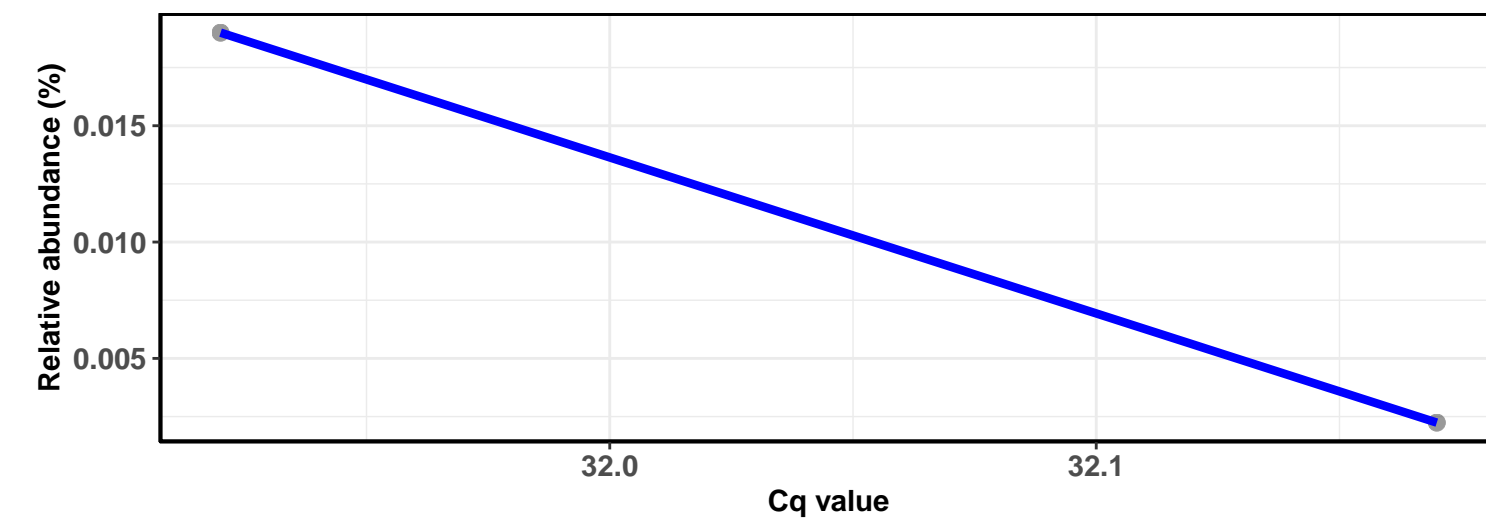
Correlation within the sample type: REF-DIC



Correlation within the sample type: REF-DIM

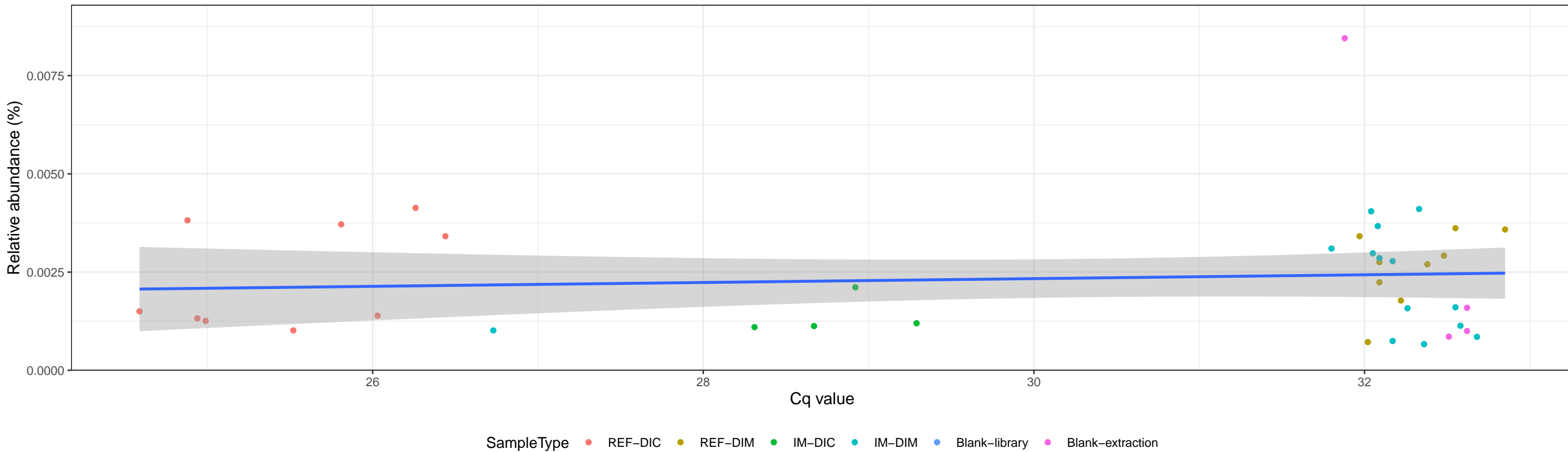


Correlation within the sample type: IM-DIM



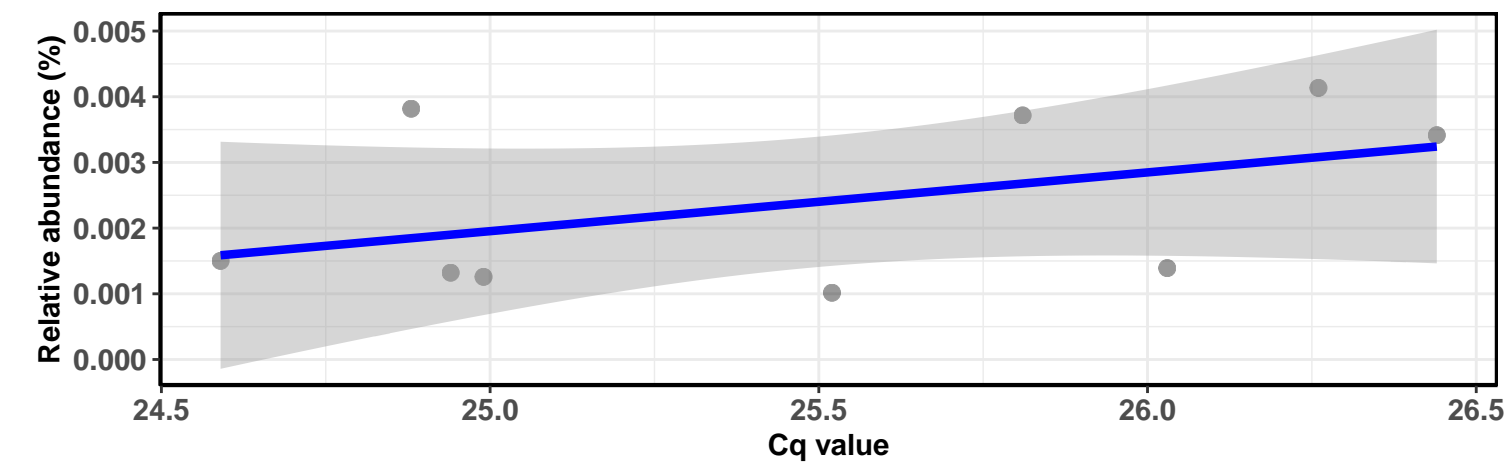
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



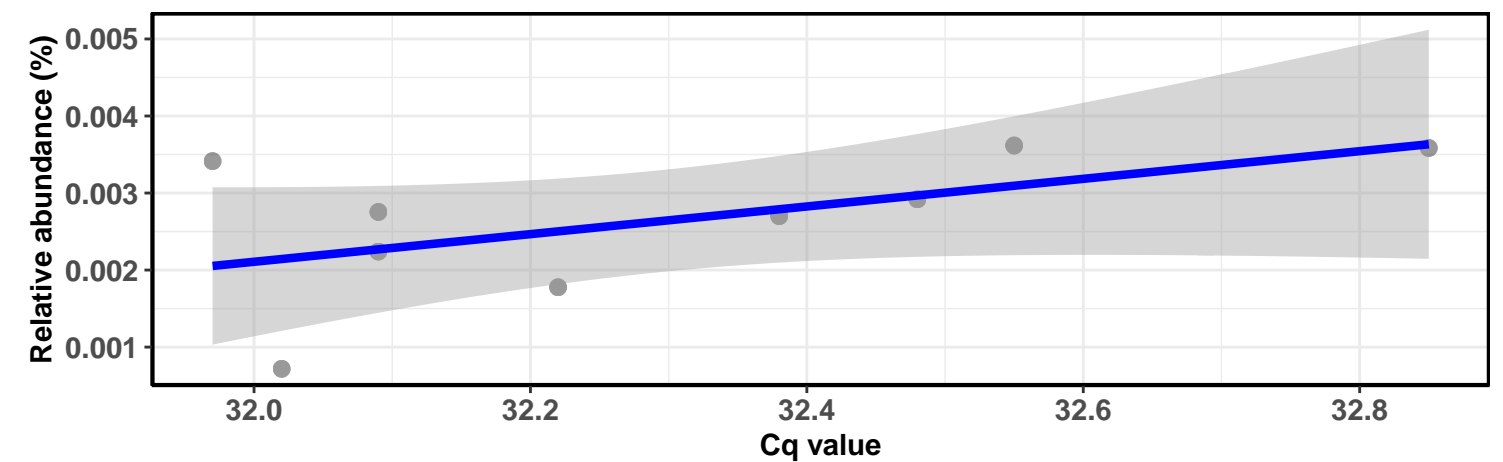
Correlation within the sample type: REF-DIC

$\log_e(S) = 4.522$, $p = 0.546$, $\rho_{\text{Spearman}} = 0.233$, $CI_{95\%} [-0.510, 0.777]$, $n = 9$

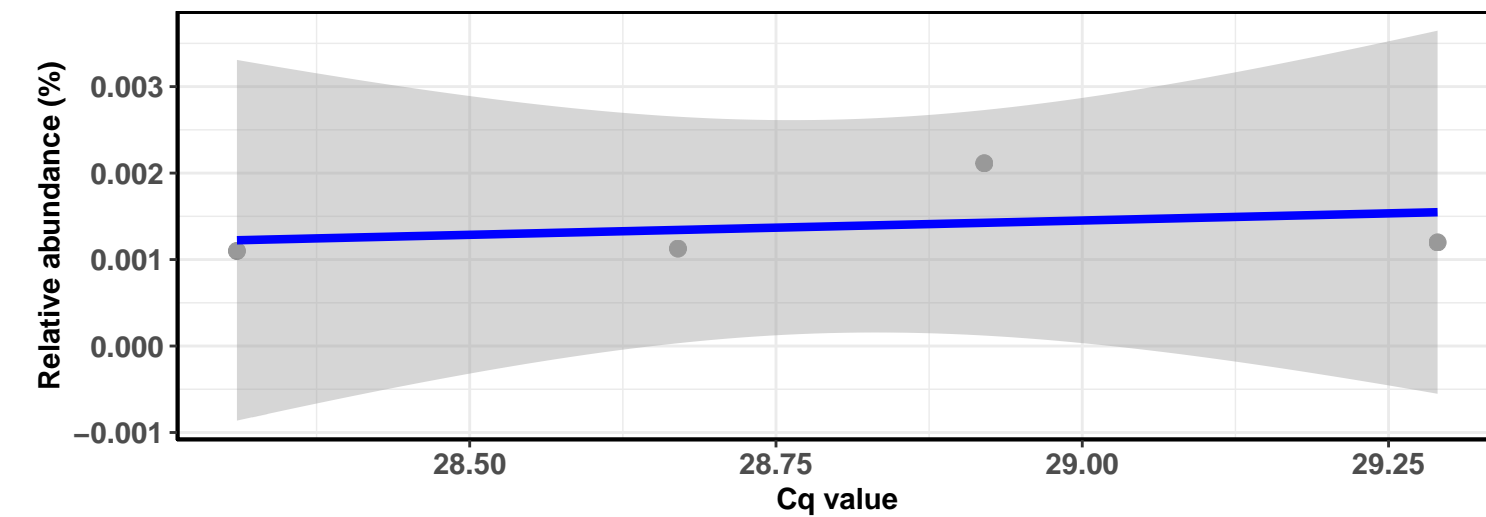


Correlation within the sample type: REF-DIM

$\log_e(S) = 4.021$, $p = 0.137$, $\rho_{\text{Spearman}} = 0.536$, $CI_{95\%} [-0.200, 0.885]$, $n = 9$

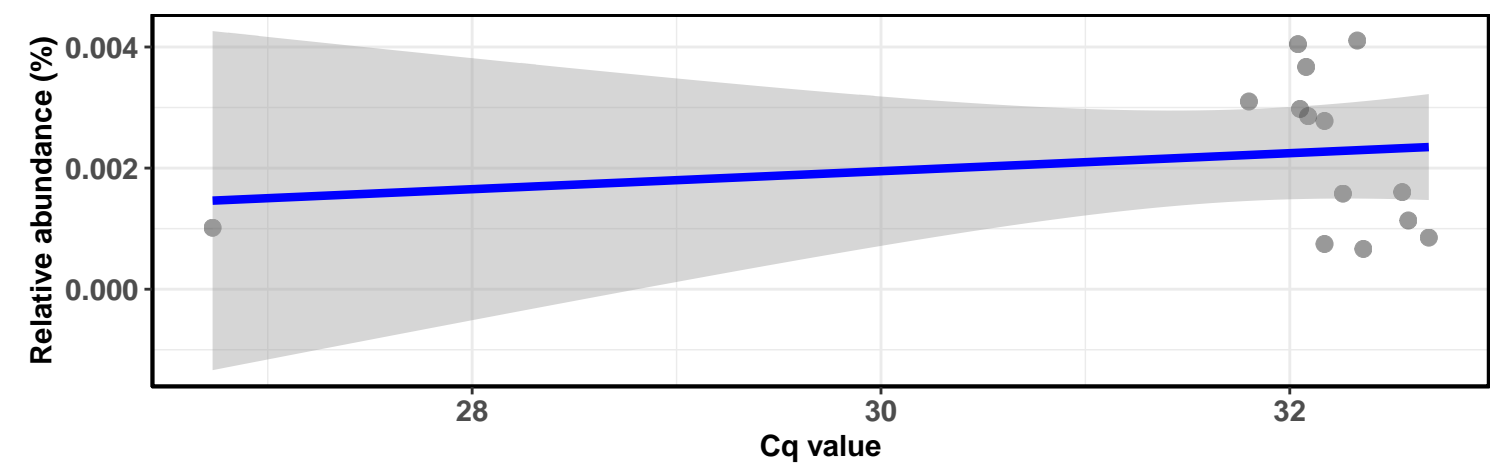


Correlation within the sample type: IM-DIC



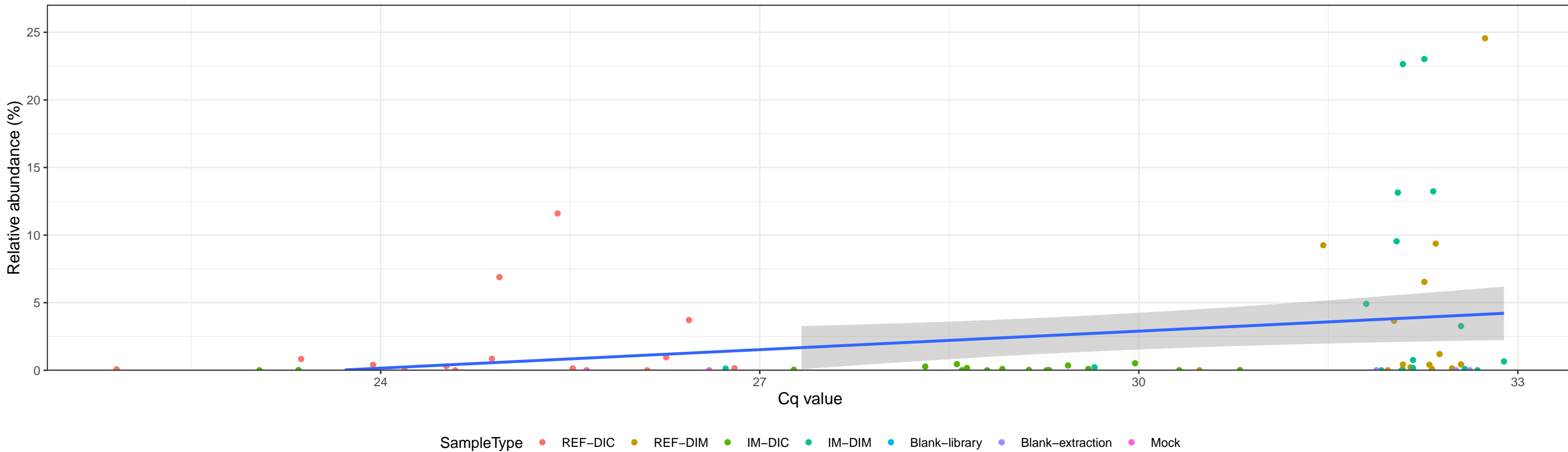
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.477$, $p = 0.126$, $\rho_{\text{Spearman}} = -0.429$, $CI_{95\%} [-0.782, 0.131]$, $n = 14$



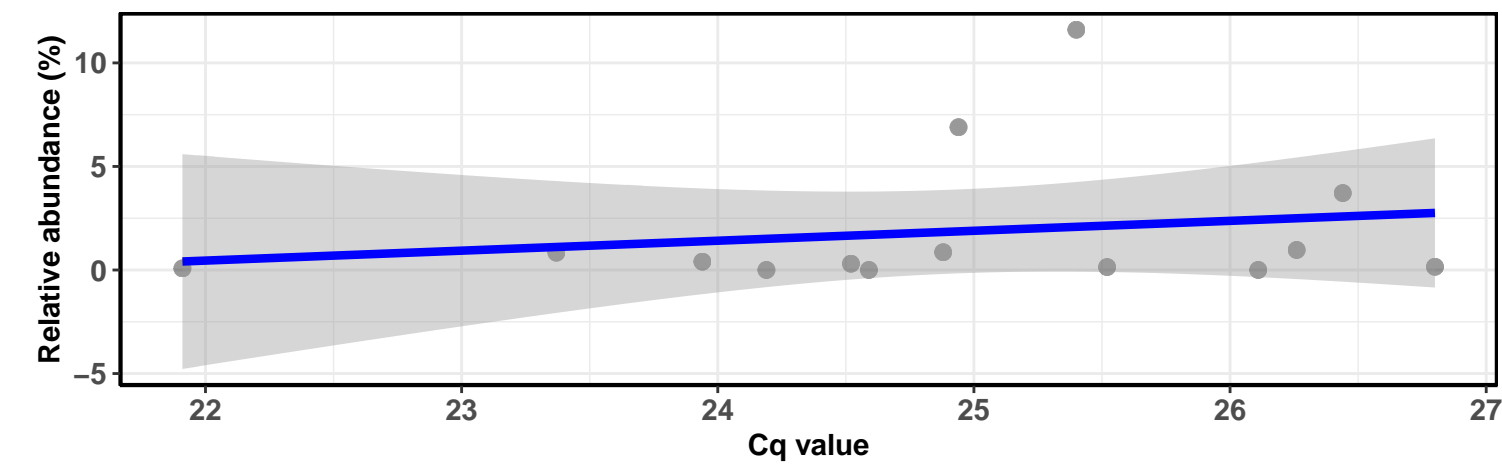
D_0__Bacteria; D_1__Spirochaetes; D_2__Spirochaetia; D_3__Spirochaetales; D_4__Spirochaetaceae

Correlation with all samples



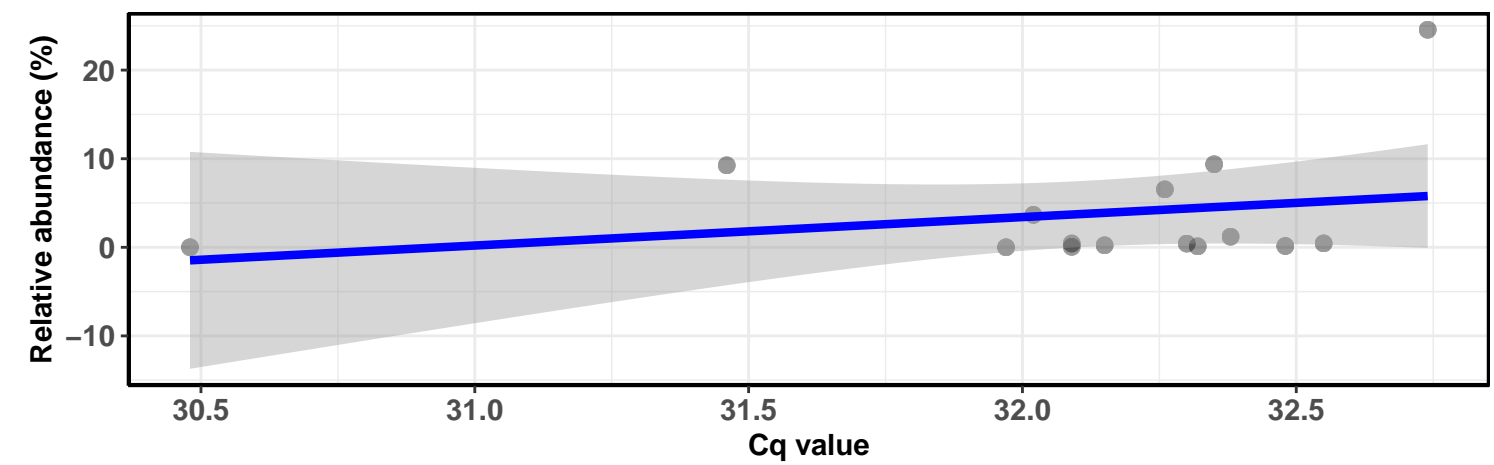
Correlation within the sample type: REF-DIC

$\log_e(S) = 5.799$, $p = 0.342$, $\rho_{\text{Spearman}} = 0.275$, $CI_{95\%} [-0.300, 0.703]$, $n = 14$



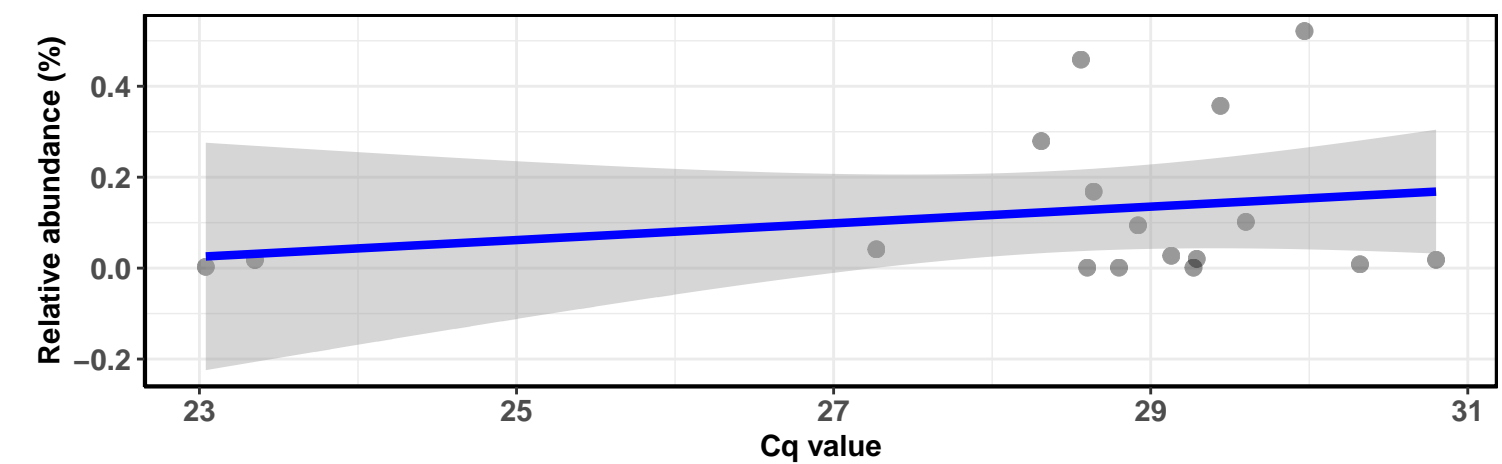
Correlation within the sample type: REF-DIM

$\log_e(S) = 5.849$, $p = 0.162$, $\rho_{\text{Spearman}} = 0.381$, $CI_{95\%} [-0.163, 0.747]$, $n = 15$



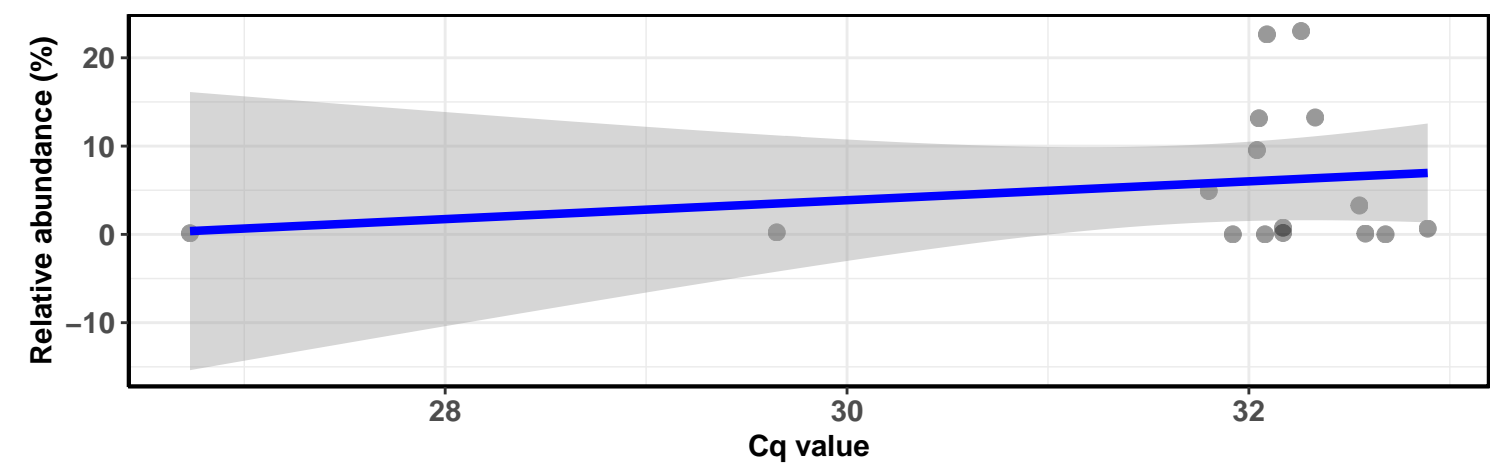
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.588$, $p = 0.673$, $\rho_{\text{Spearman}} = 0.110$, $CI_{95\%} [-0.391, 0.561]$, $n = 17$



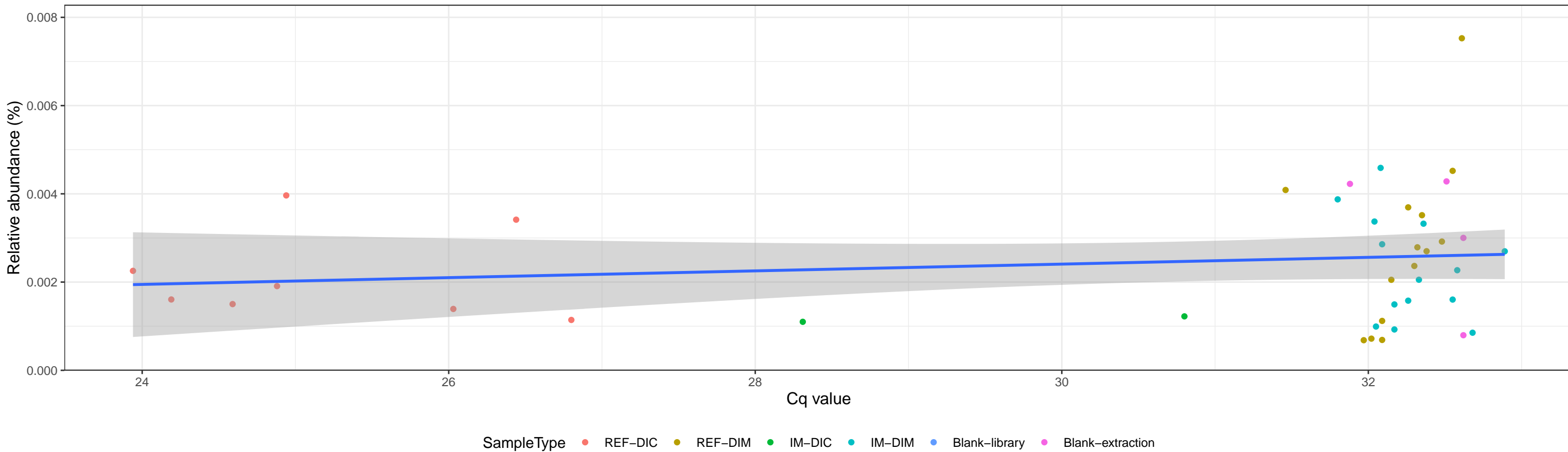
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.494$, $p = 0.918$, $\rho_{\text{Spearman}} = 0.028$, $CI_{95\%} [-0.474, 0.517]$, $n = 16$



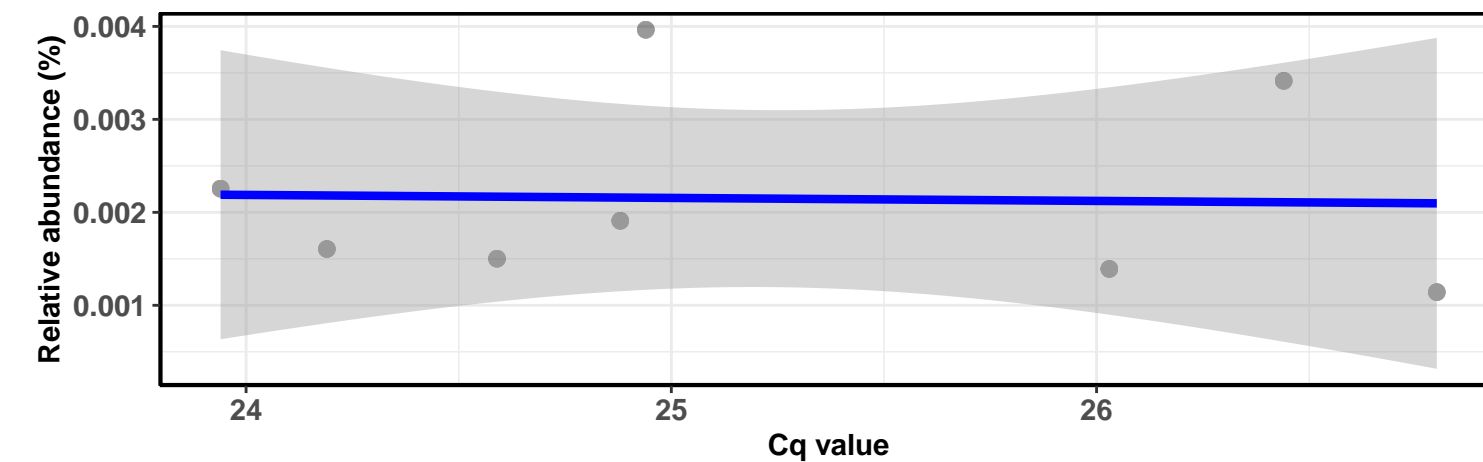
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



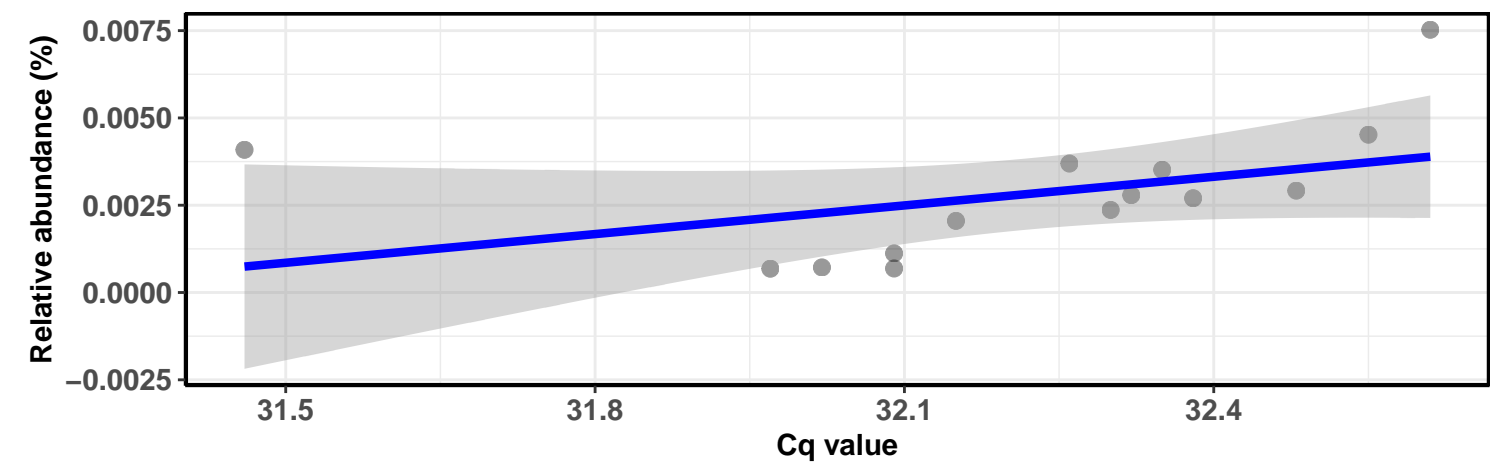
Correlation within the sample type: REF-DIC

$\log_e(S) = 4.644$, $p = 0.570$, $\rho_{\text{Spearman}} = -0.238$, $\text{CI}_{95\%} [-0.807, 0.561]$, $n = 8$

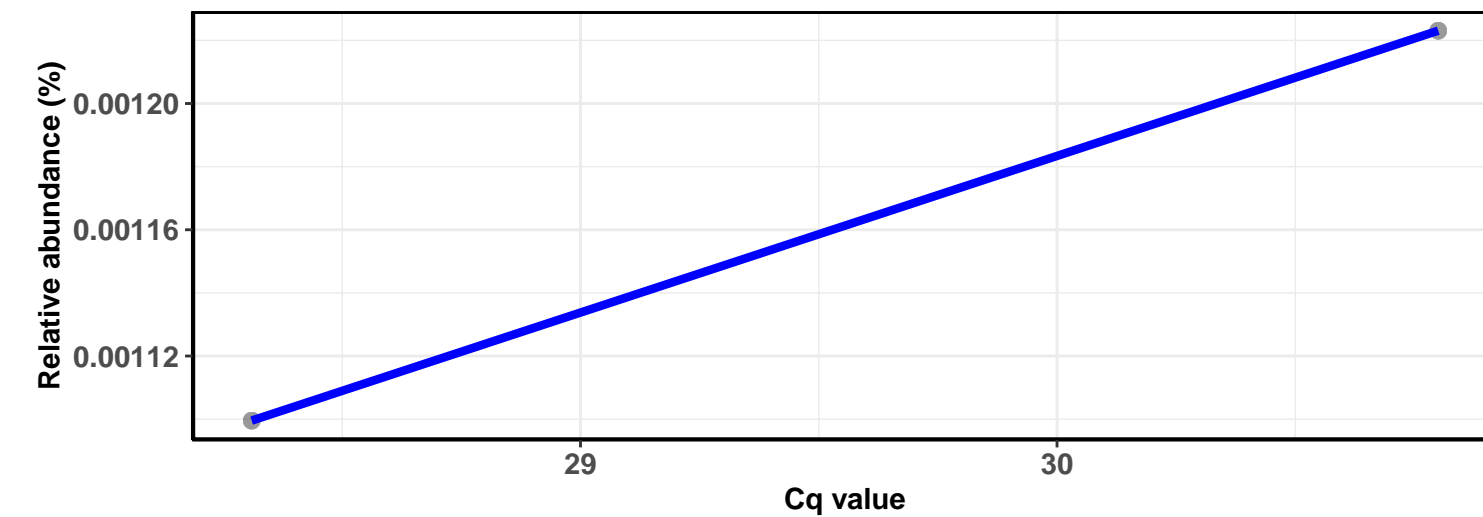


Correlation within the sample type: REF-DIM

$\log_e(S) = 5.169$, $p = 0.020$, $\rho_{\text{Spearman}} = 0.614$, $\text{CI}_{95\%} [0.124, 0.863]$, $n = 14$

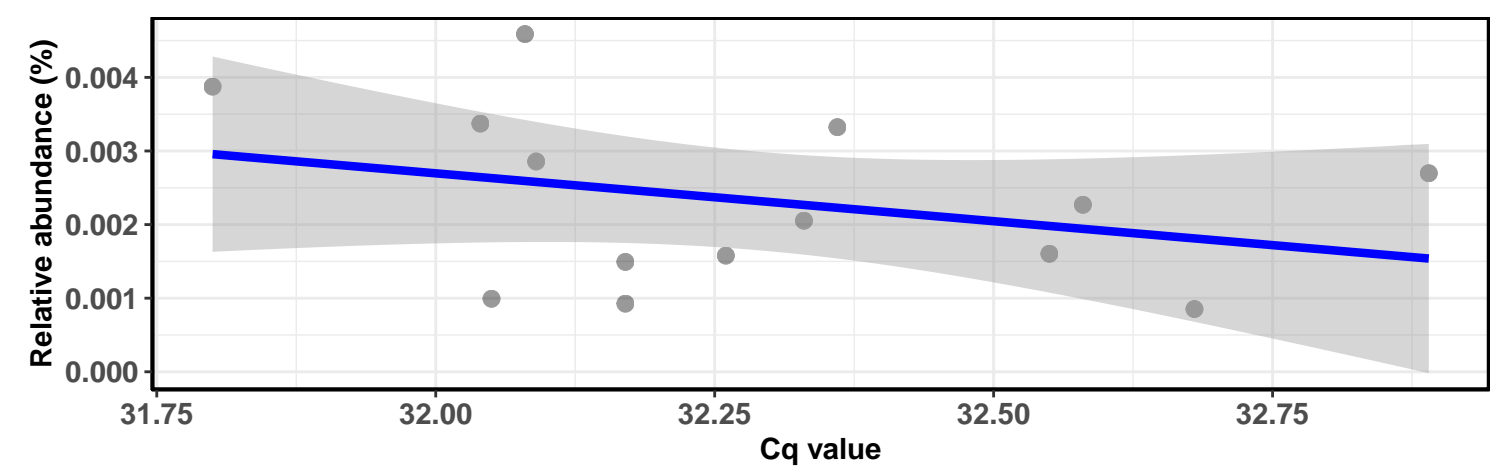


Correlation within the sample type: IM-DIC



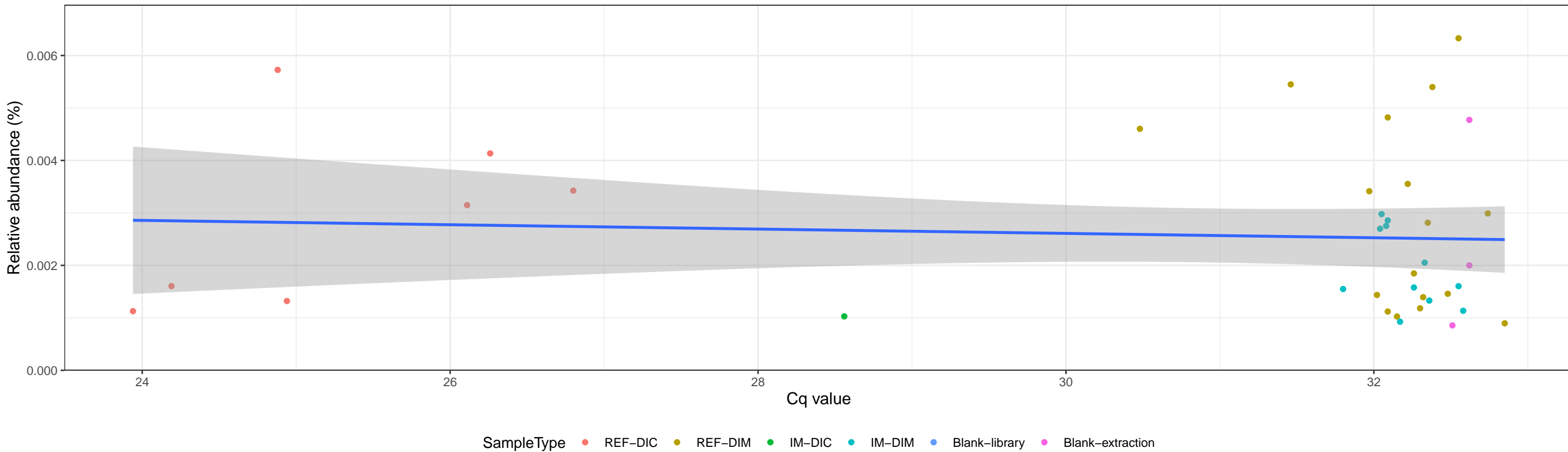
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.430$, $p = 0.202$, $\rho_{\text{Spearman}} = -0.363$, $\text{CI}_{95\%} [-0.749, 0.208]$, $n = 14$



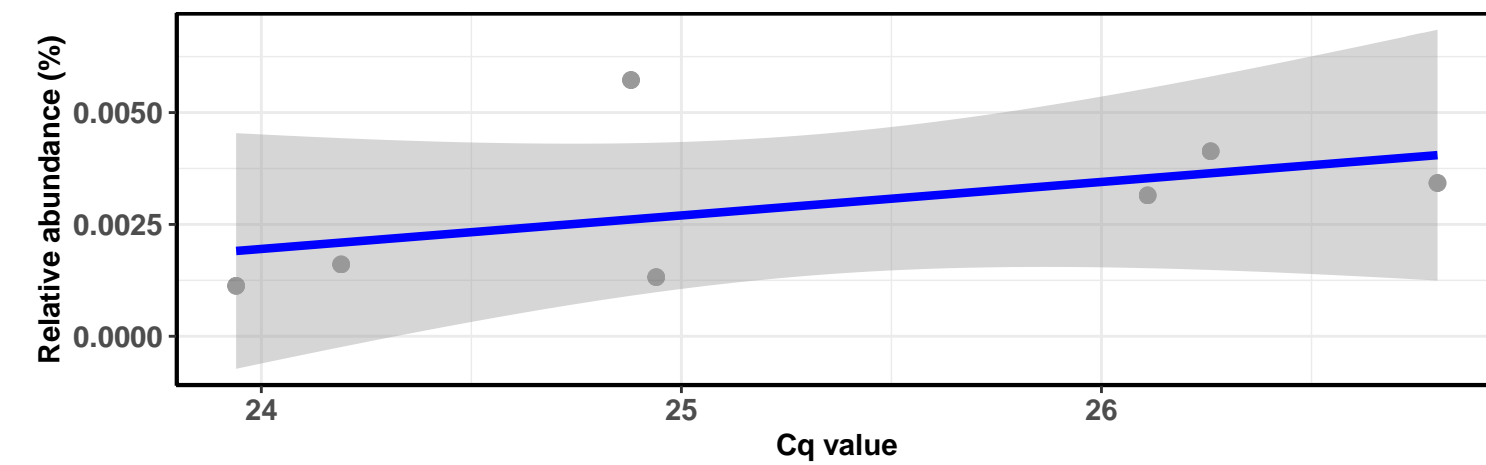
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



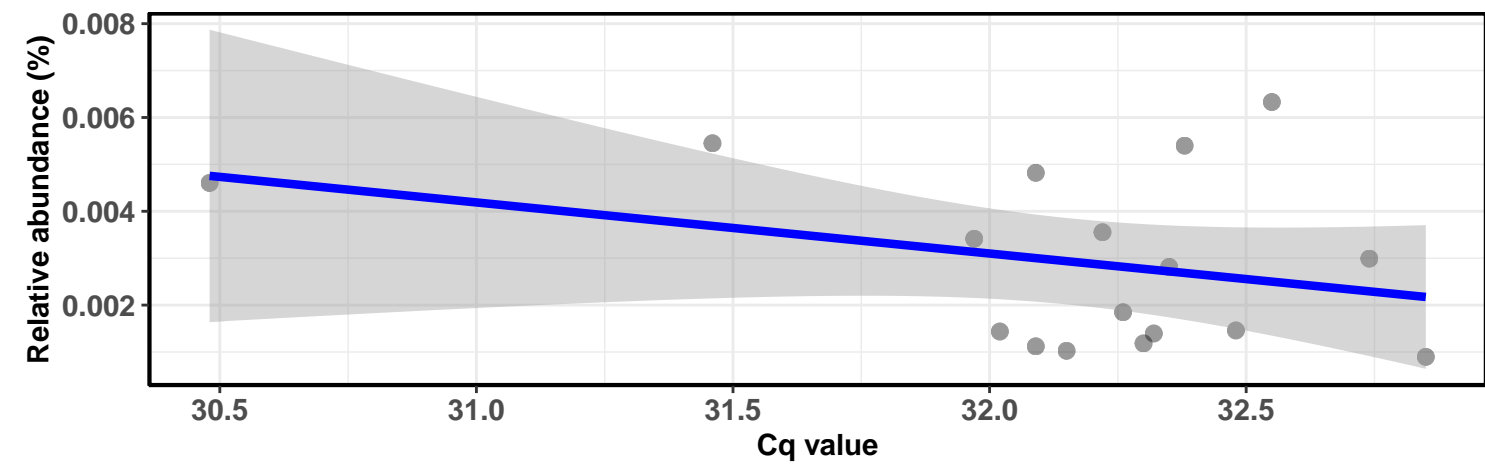
Correlation within the sample type: REF-DIC

$\log_e(S) = 3.258$, $p = 0.215$, $\rho_{\text{Spearman}} = 0.536$, $CI_{95\%} [-0.364, 0.918]$, $n = 7$

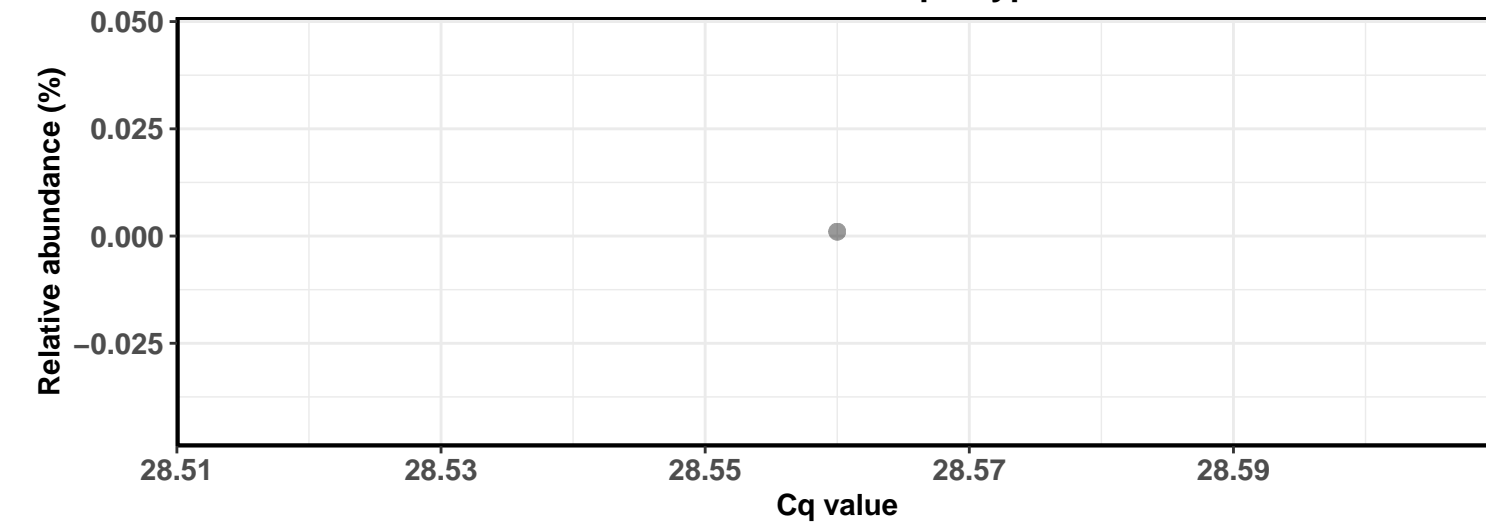


Correlation within the sample type: REF-DIM

$\log_e(S) = 6.866$, $p = 0.501$, $\rho_{\text{Spearman}} = -0.175$, $CI_{95\%} [-0.605, 0.333]$, $n = 17$

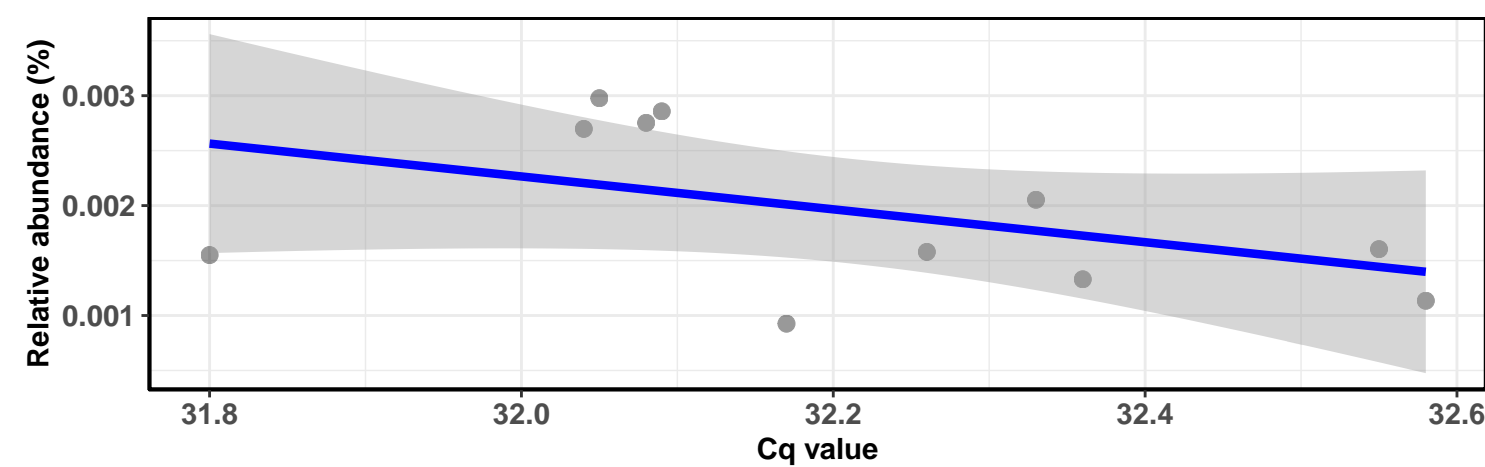


Correlation within the sample type: IM-DIC



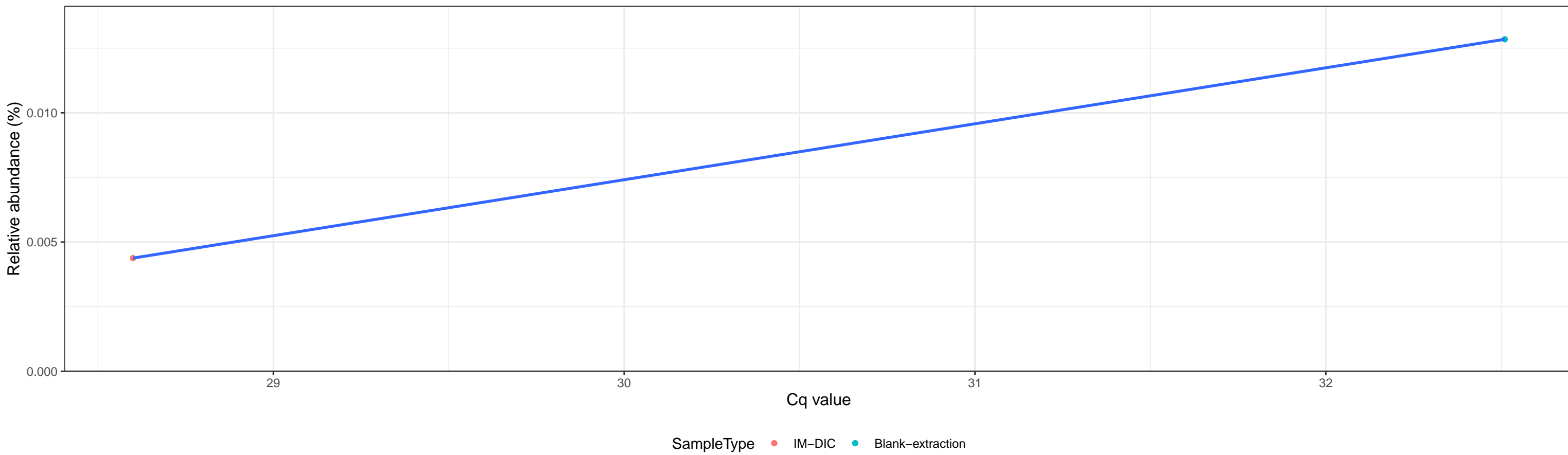
Correlation within the sample type: IM-DIM

$\log_e(S) = 5.775$, $p = 0.151$, $\rho_{\text{Spearman}} = -0.464$, $CI_{95\%} [-0.832, 0.189]$, $n = 11$

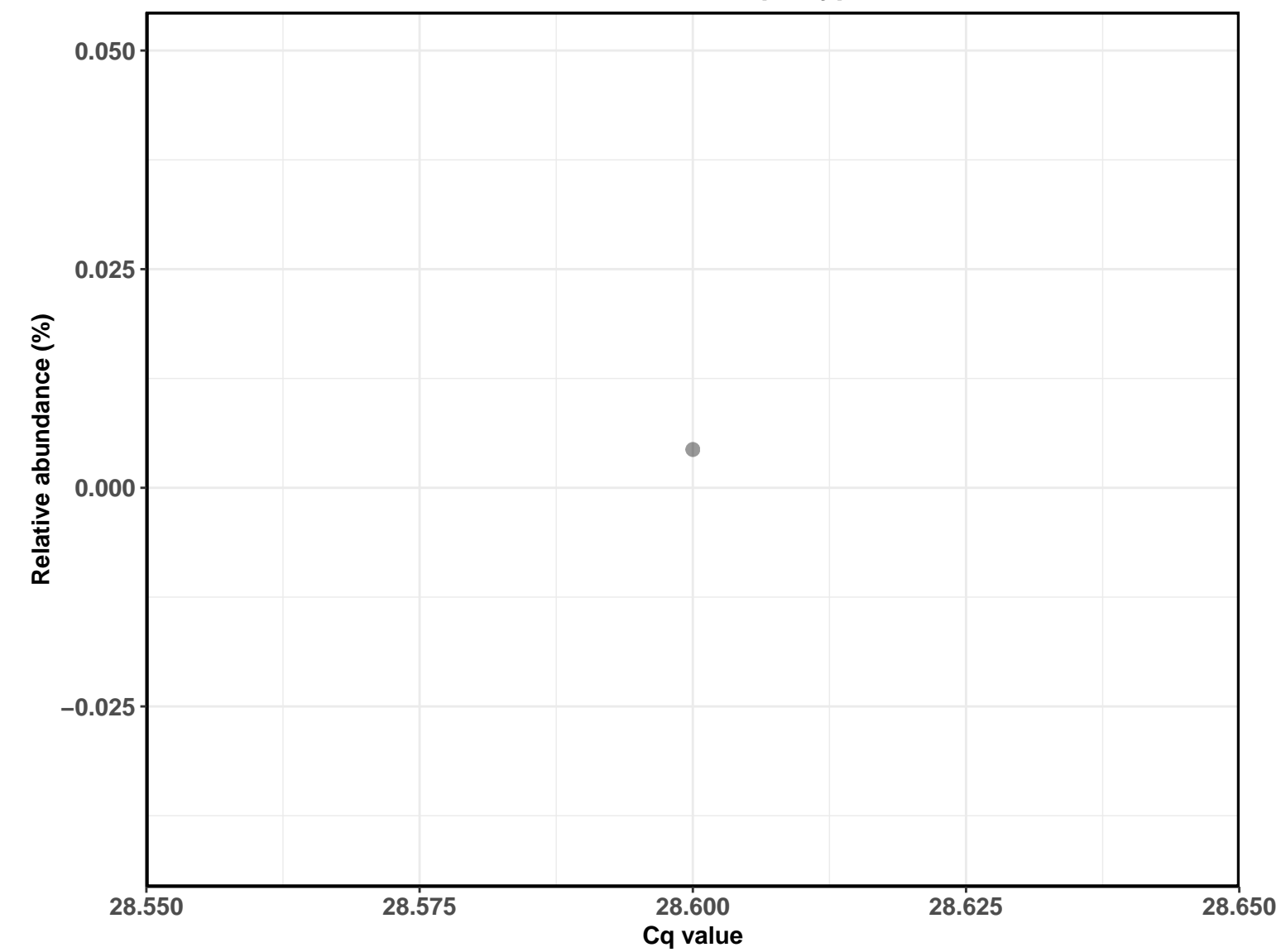


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Sphingobacteriales; D_4__Sphingobacteriaceae; D_5__Pedobacter

Correlation with all samples

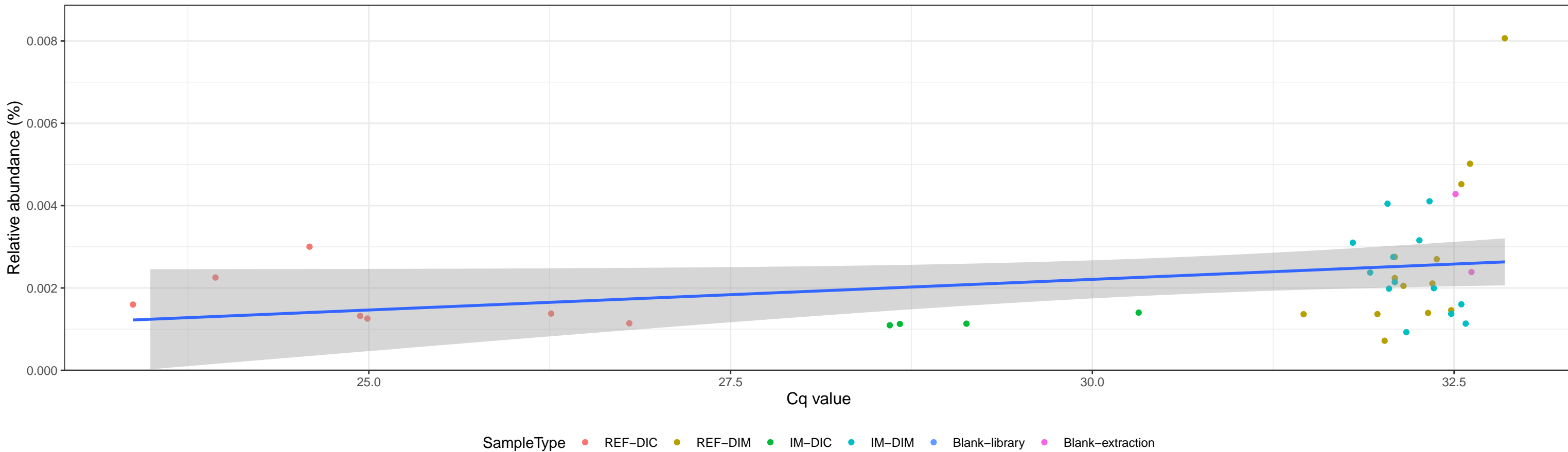


Correlation within the sample type: IM-DIC



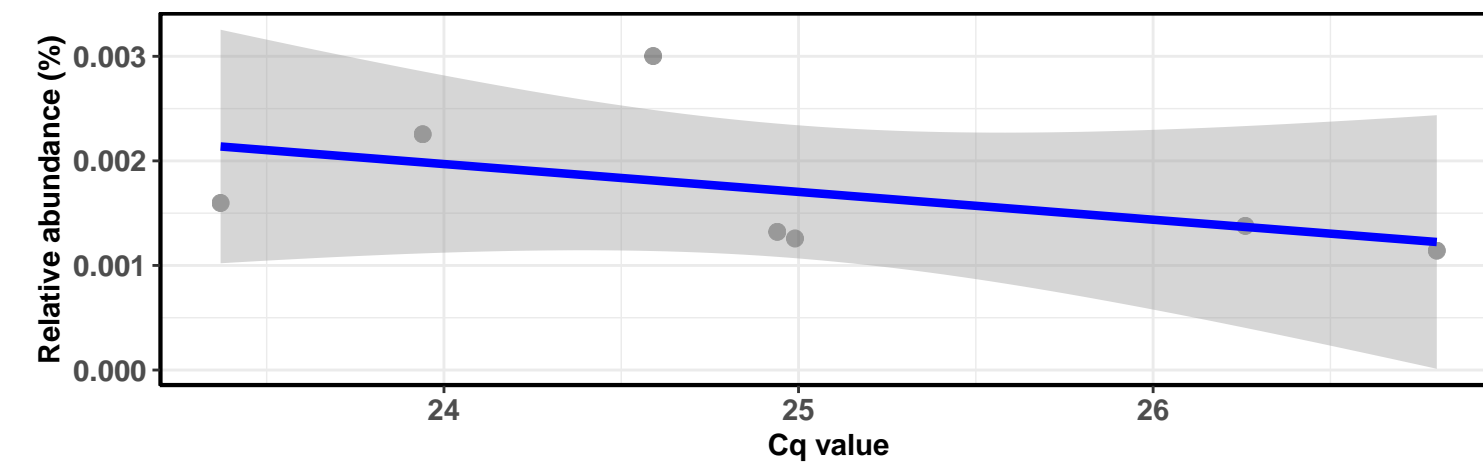
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



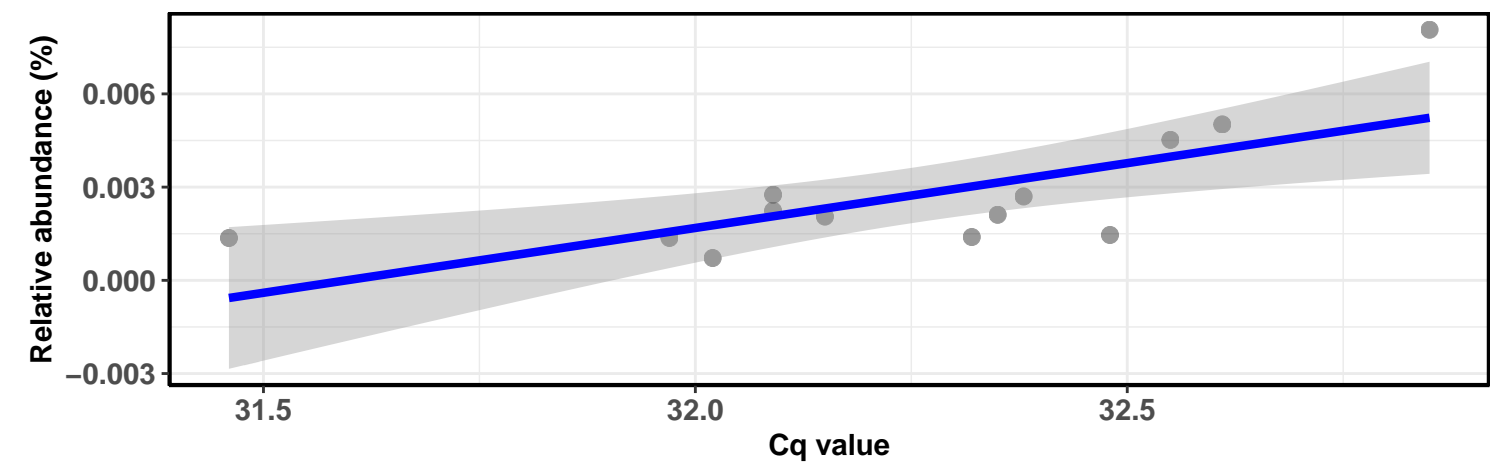
Correlation within the sample type: REF-DIC

$\log_e(S) = 4.585$, $p = 0.052$, $\rho_{\text{Spearman}} = -0.750$, $CI_{95\%} [-0.961, 0.007]$, $n = 7$

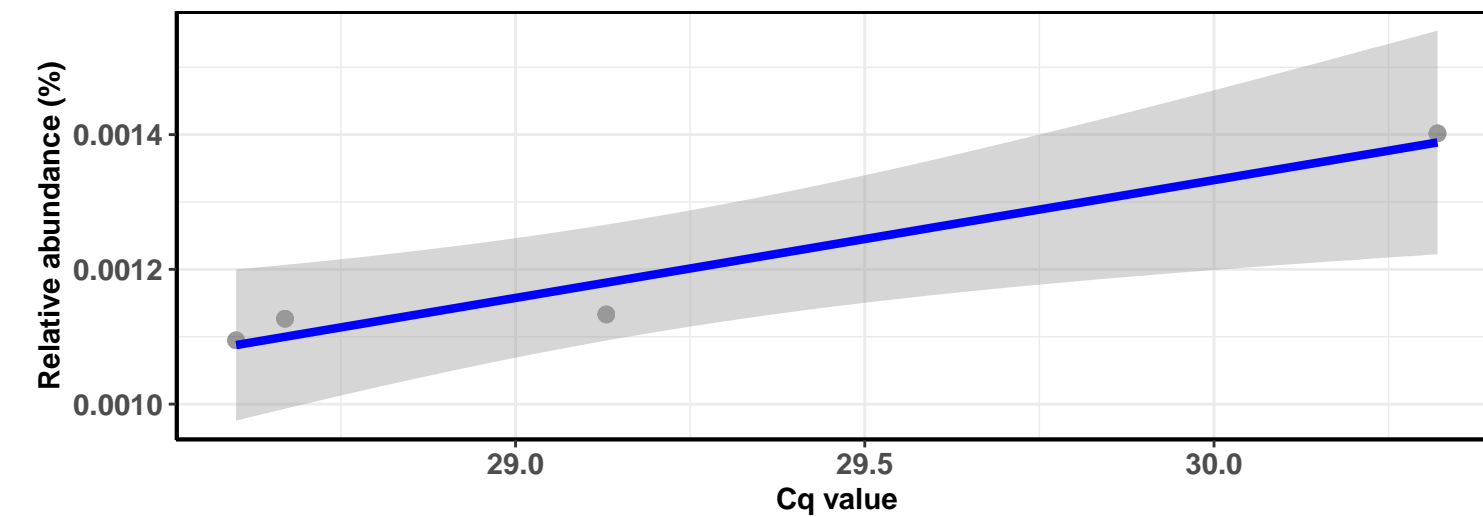


Correlation within the sample type: REF-DIM

$\log_e(S) = 4.426$, $p = 0.002$, $\rho_{\text{Spearman}} = 0.770$, $CI_{95\%} [0.381, 0.928]$, $n = 13$

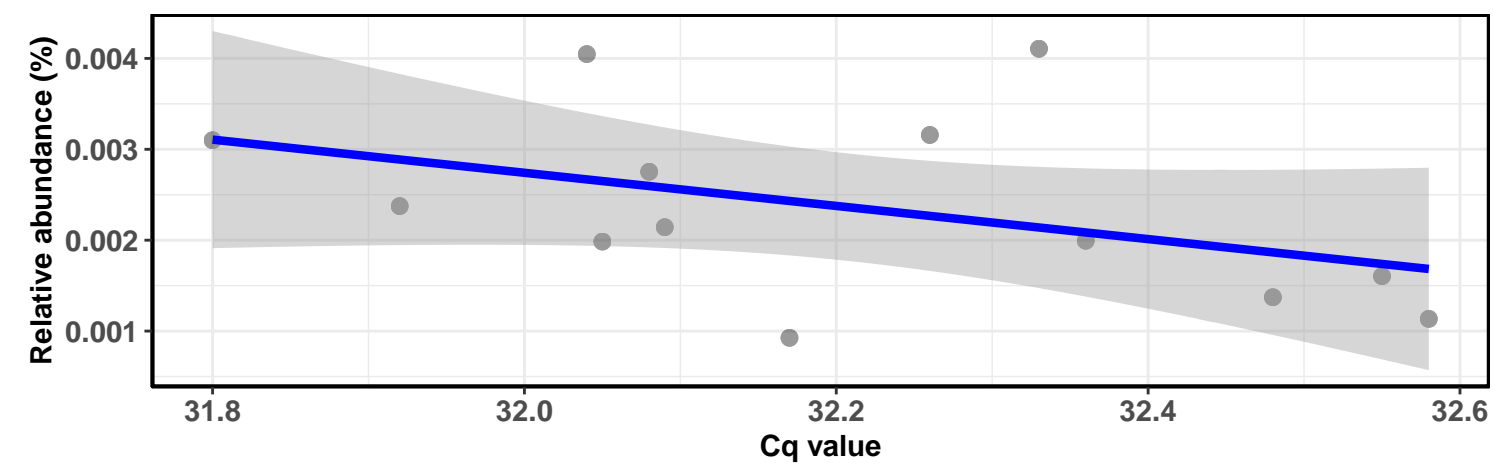


Correlation within the sample type: IM-DIC

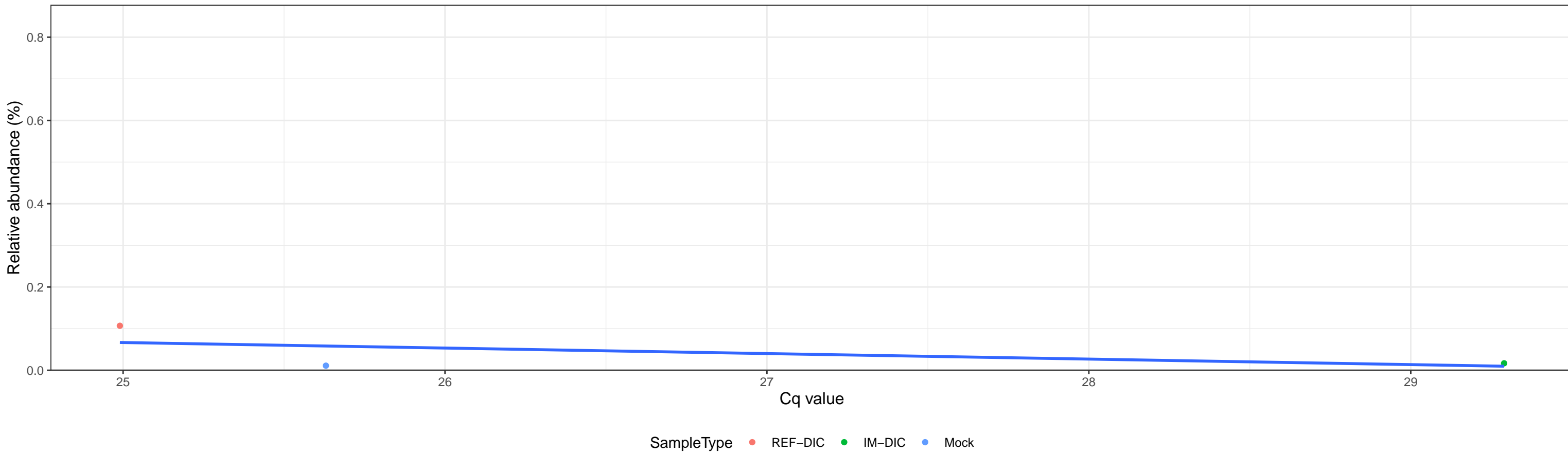


Correlation within the sample type: IM-DIM

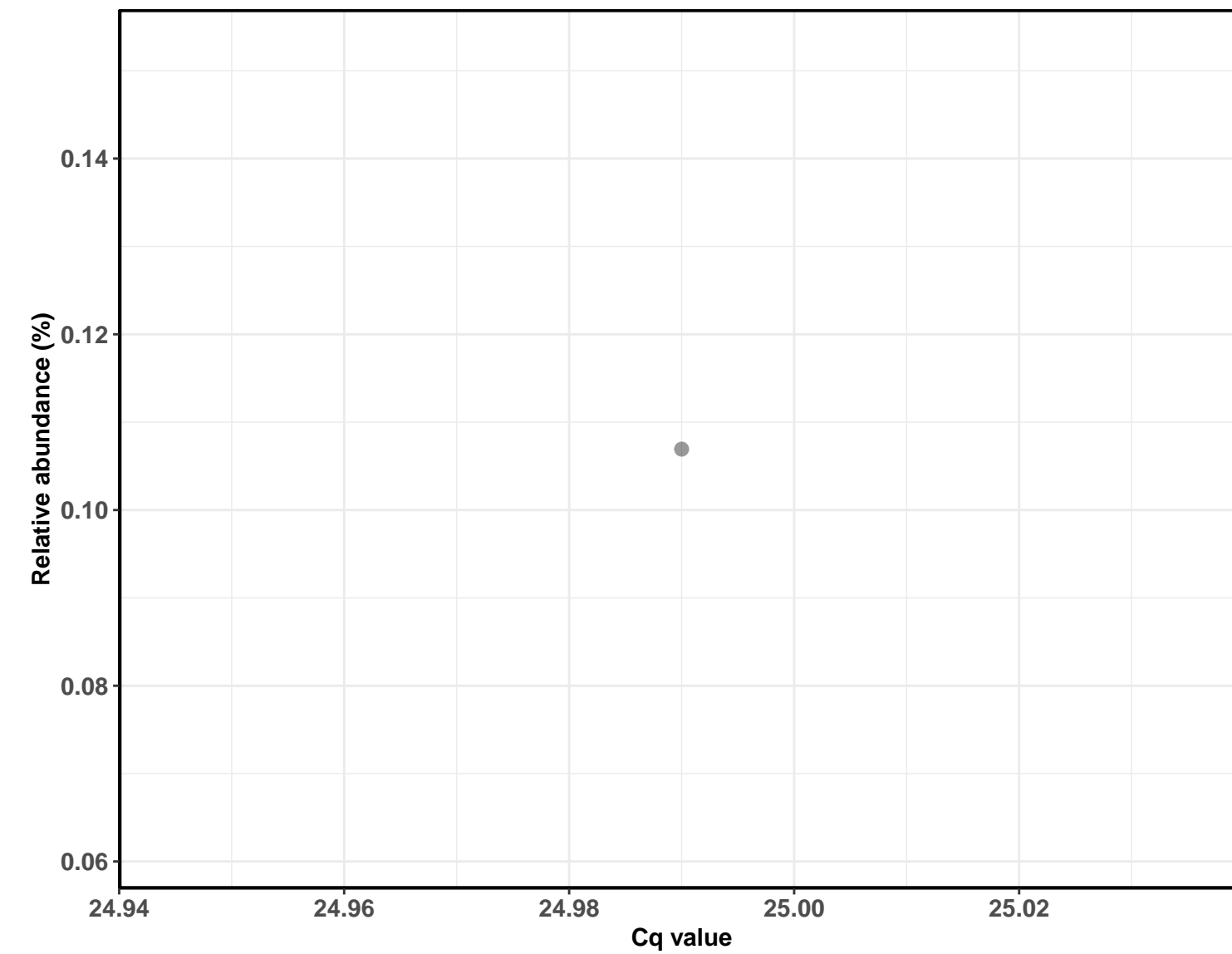
$\log_e(S) = 6.295$, $p = 0.090$, $\rho_{\text{Spearman}} = -0.489$, $CI_{95\%} [-0.819, 0.085]$, $n = 13$



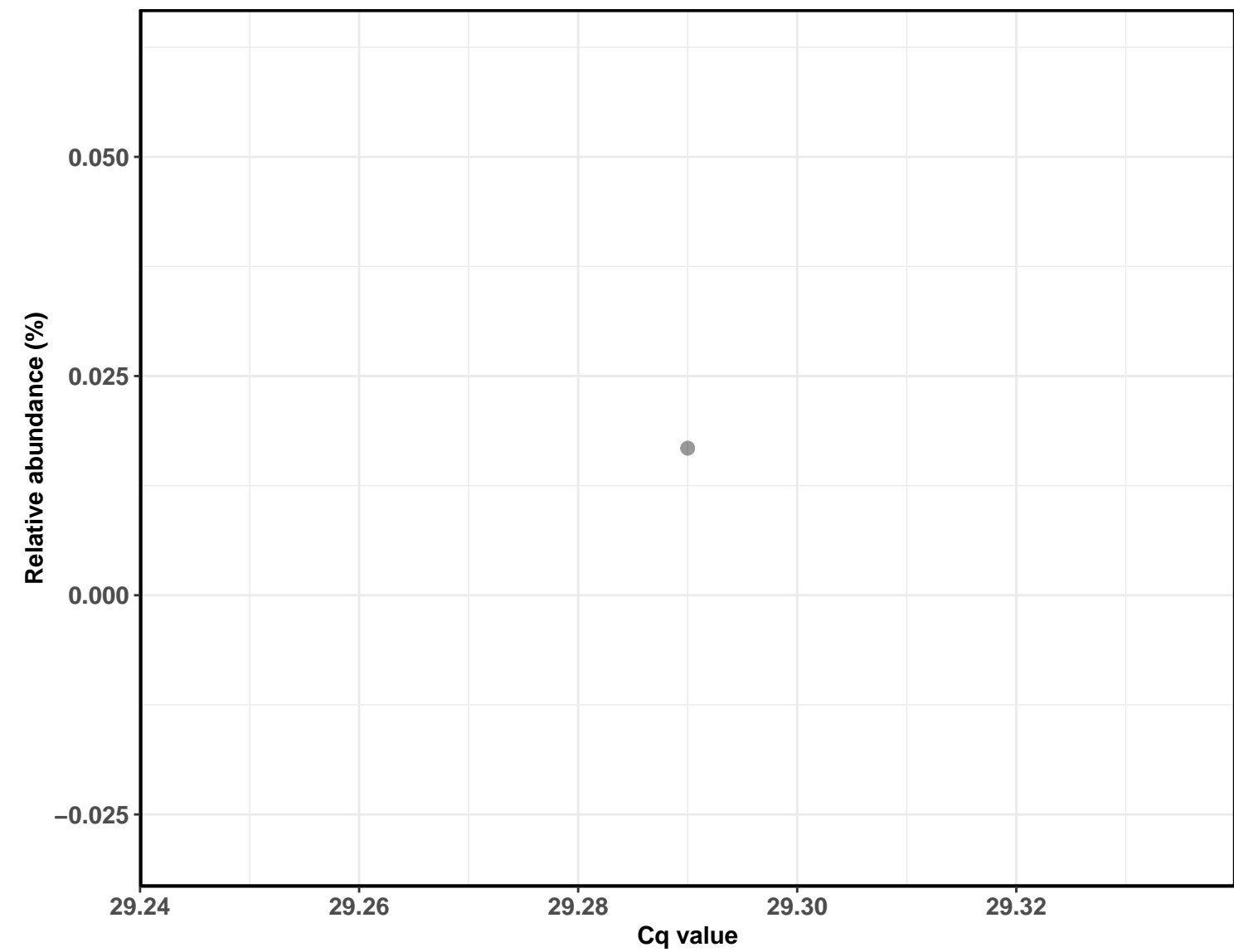
Correlation with all samples



Correlation within the sample type: REF-DIC

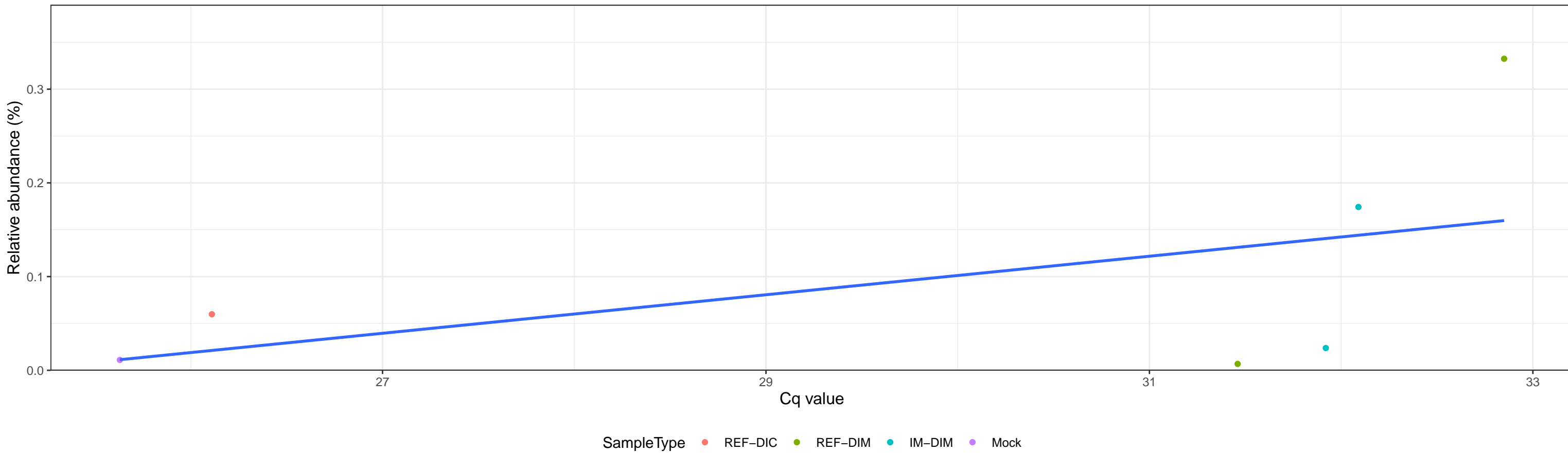


Correlation within the sample type: IM-DIC

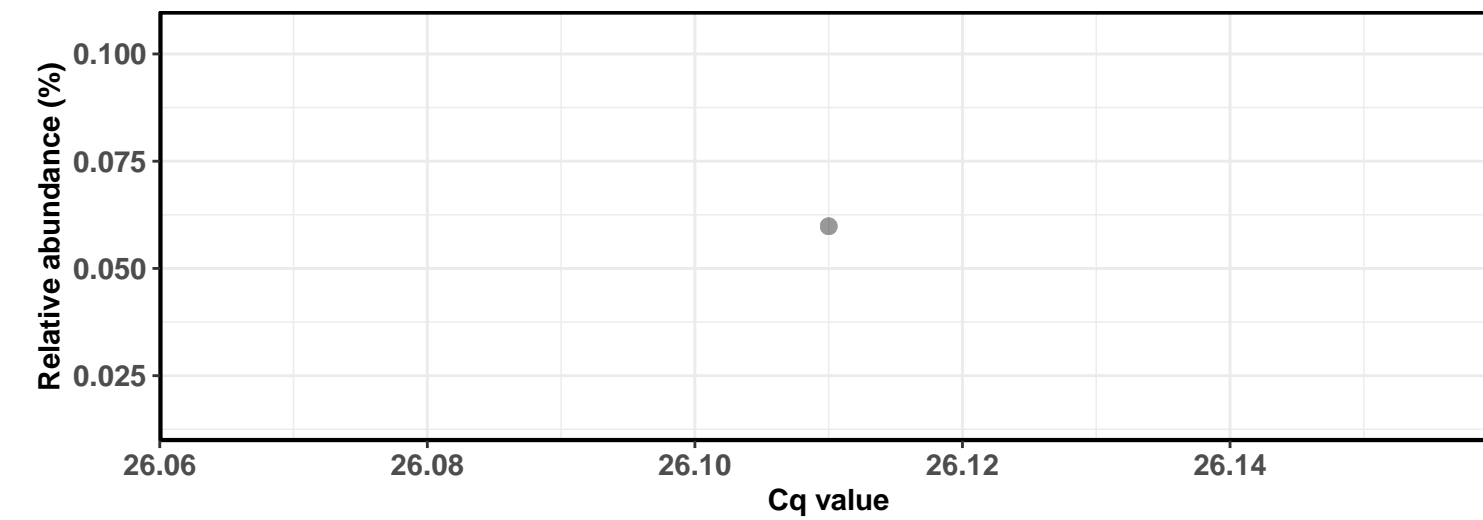


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Sphingomonadales; D_4__Sphingomonadaceae; D_5__Sphingomonas

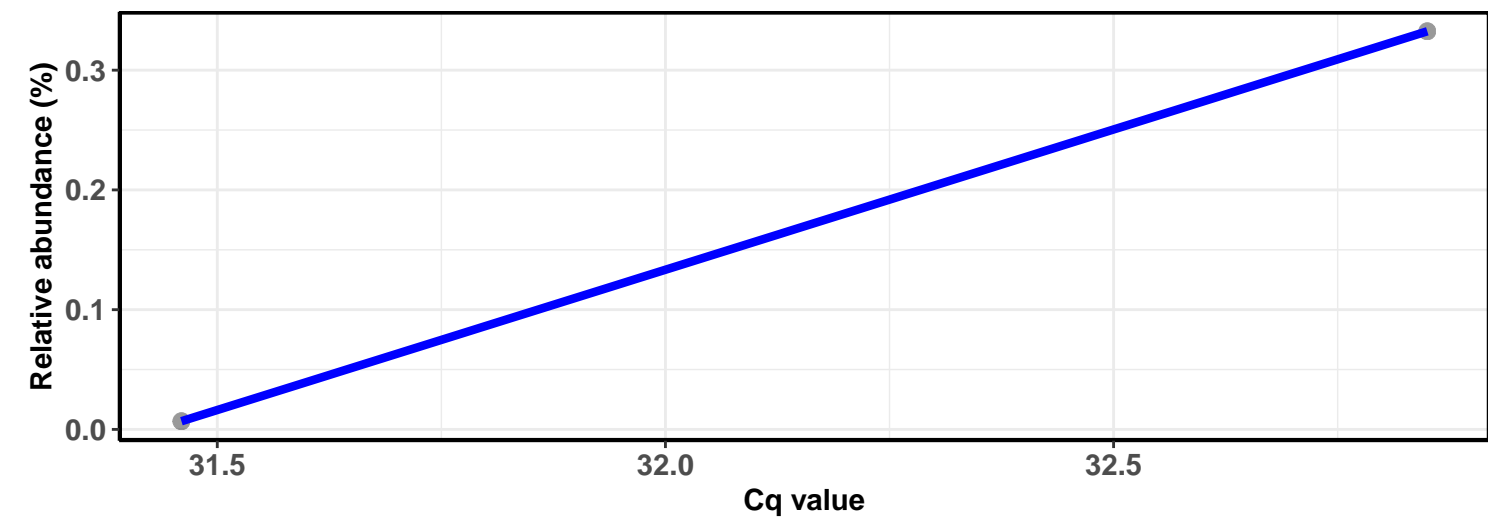
Correlation with all samples



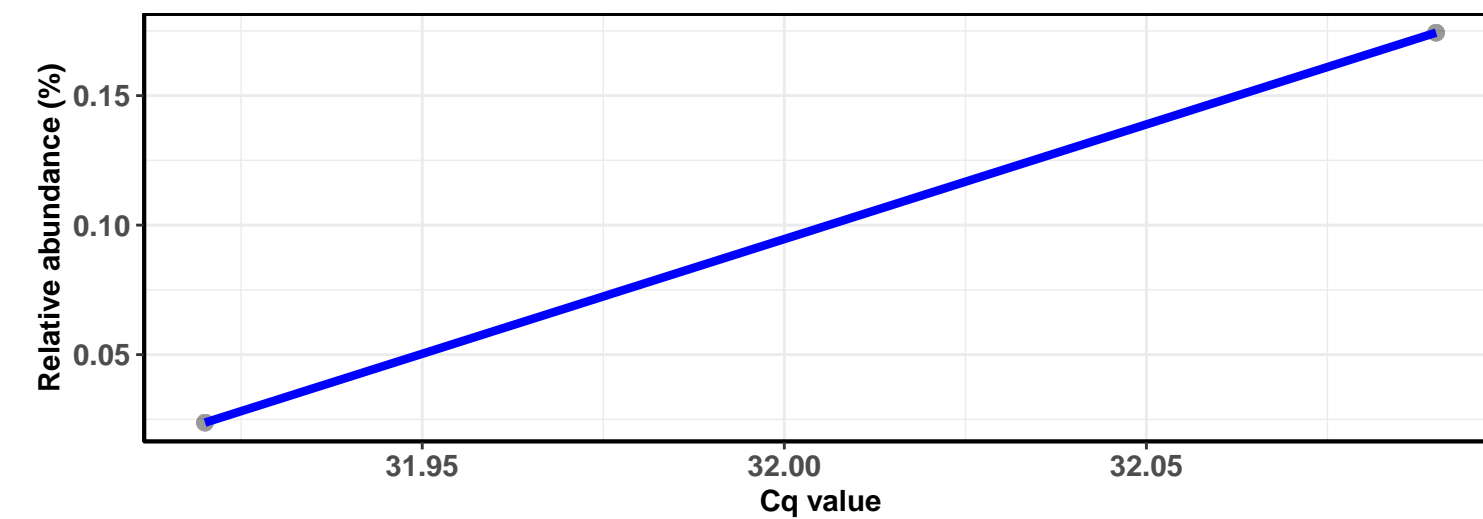
Correlation within the sample type: REF-DIC



Correlation within the sample type: REF-DIM

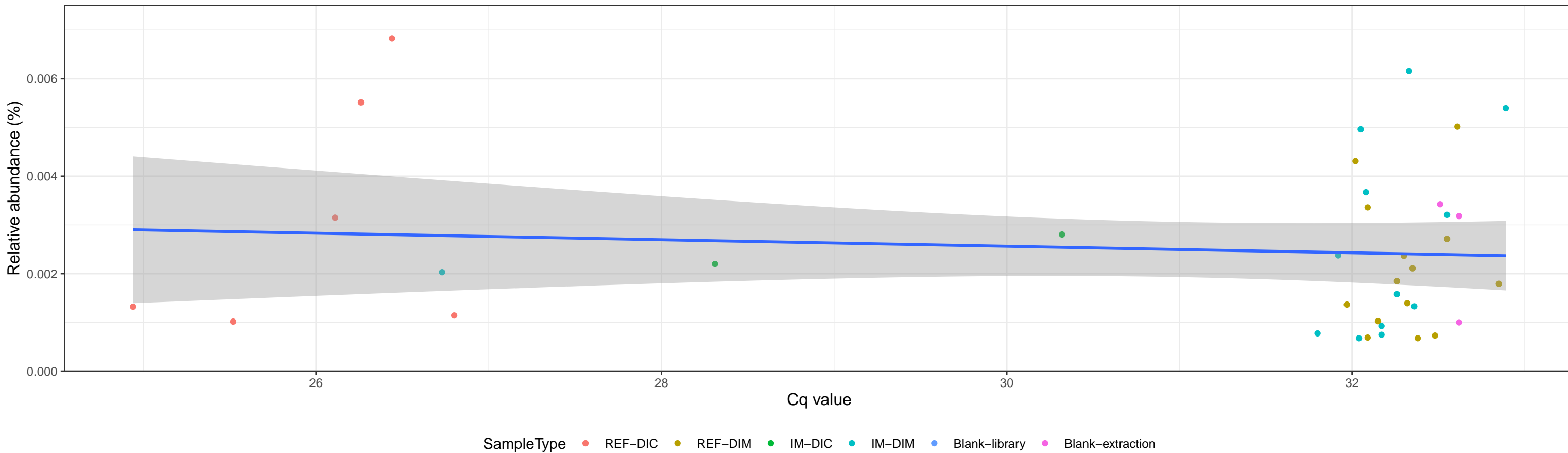


Correlation within the sample type: IM-DIM



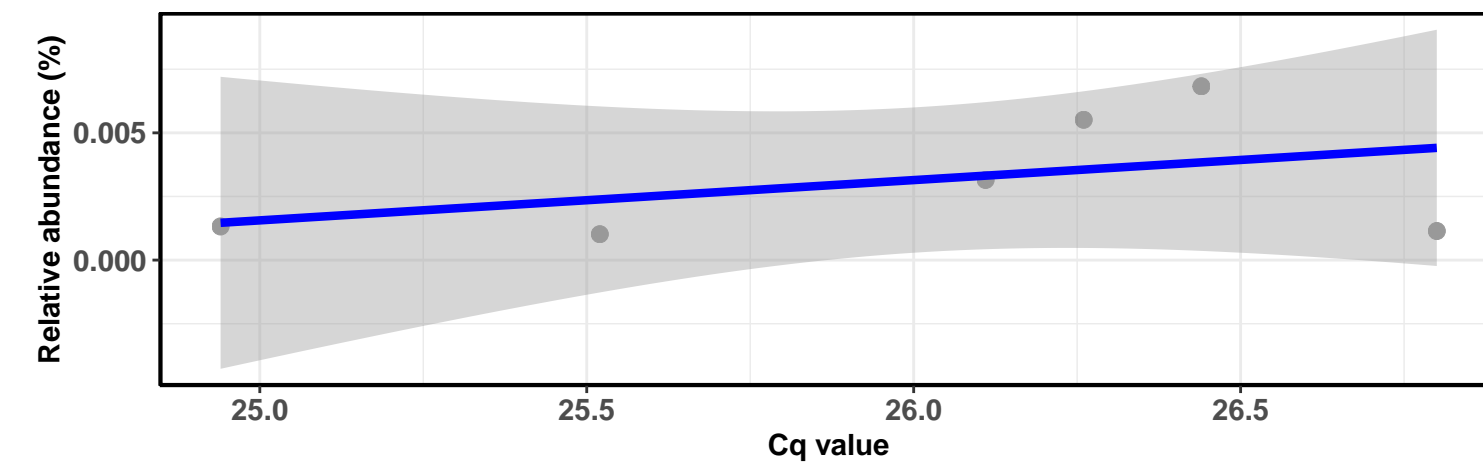
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



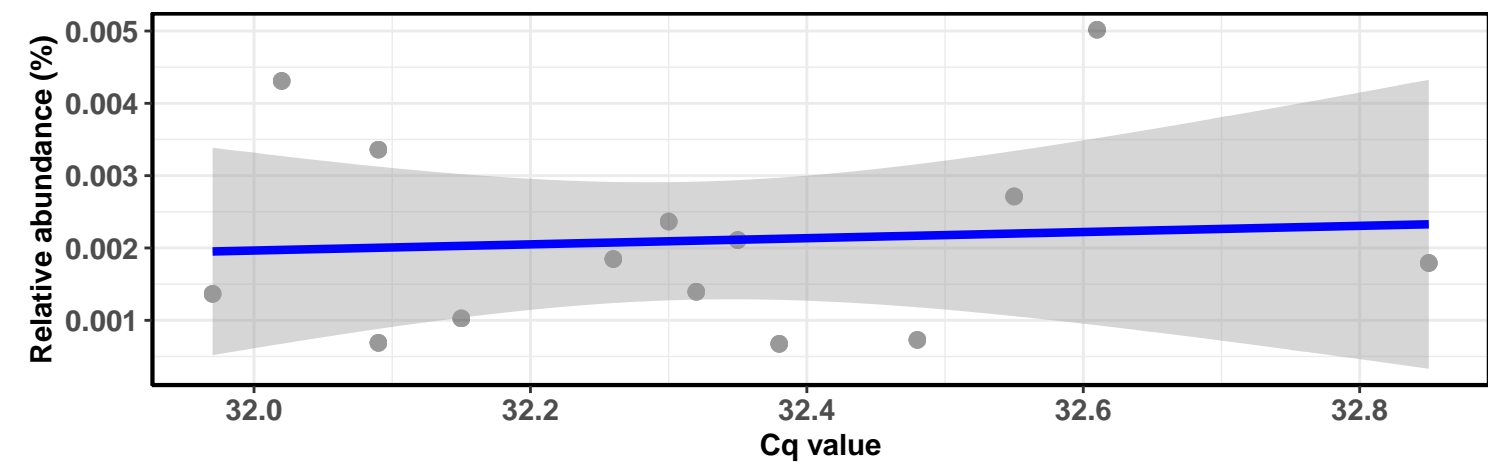
Correlation within the sample type: REF-DIC

$\log_e(S) = 3.178$, $p = 0.544$, $\rho_{\text{Spearman}} = 0.314$, $CI_{95\%} [-0.668, 0.897]$, $n = 6$

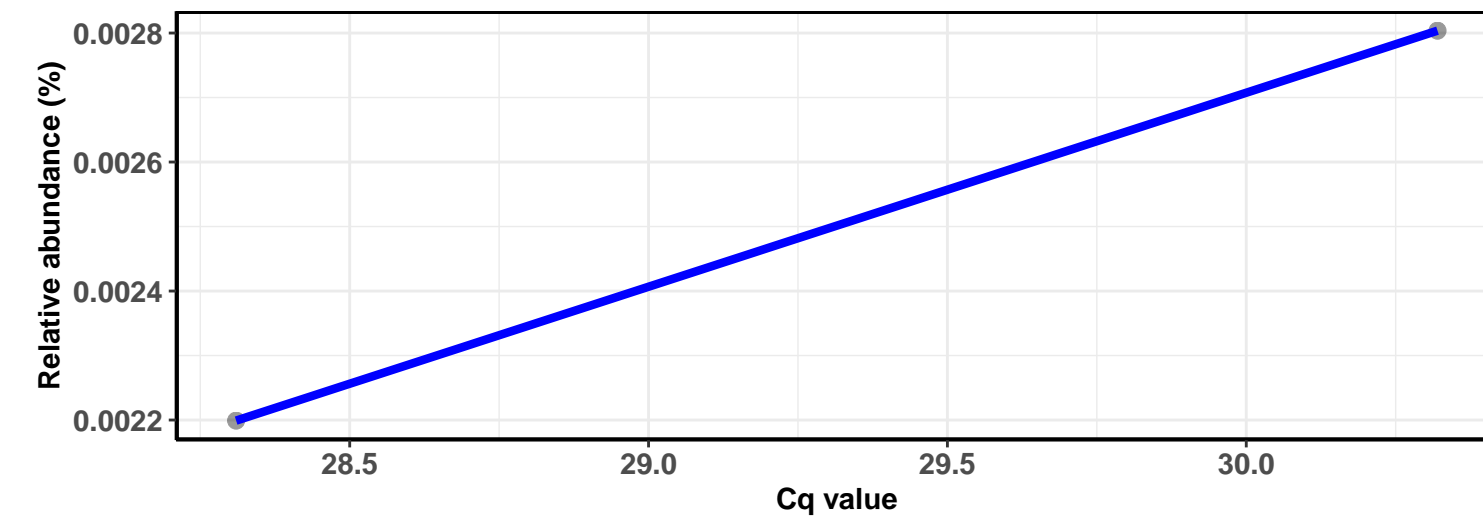


Correlation within the sample type: REF-DIM

$\log_e(S) = 6.054$, $p = 0.828$, $\rho_{\text{Spearman}} = 0.064$, $CI_{95\%} [-0.483, 0.575]$, $n = 14$

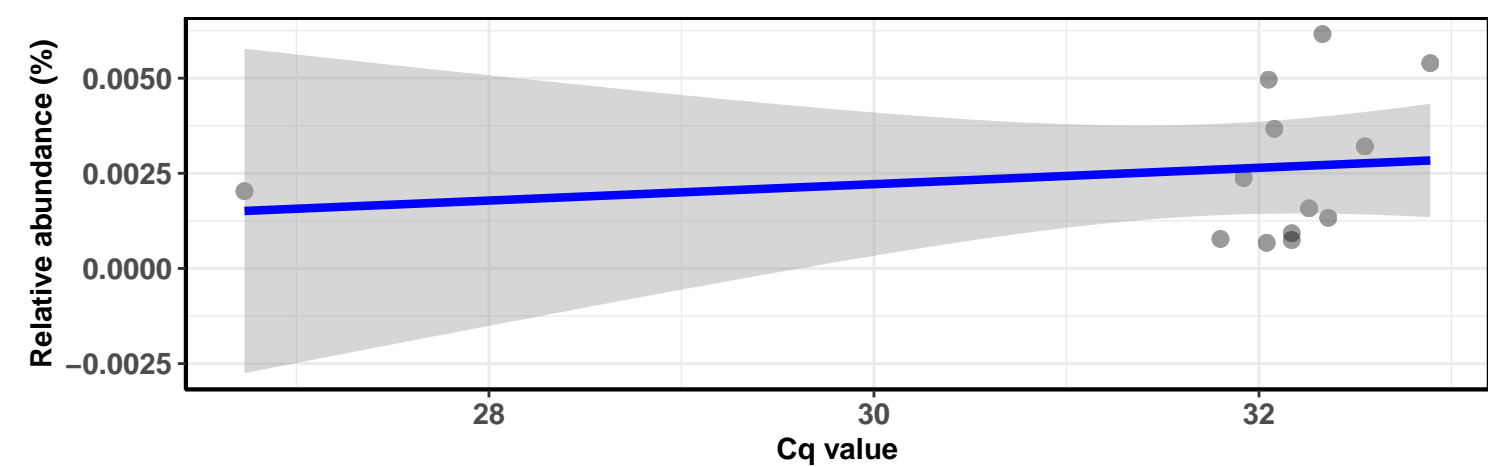


Correlation within the sample type: IM-DIC



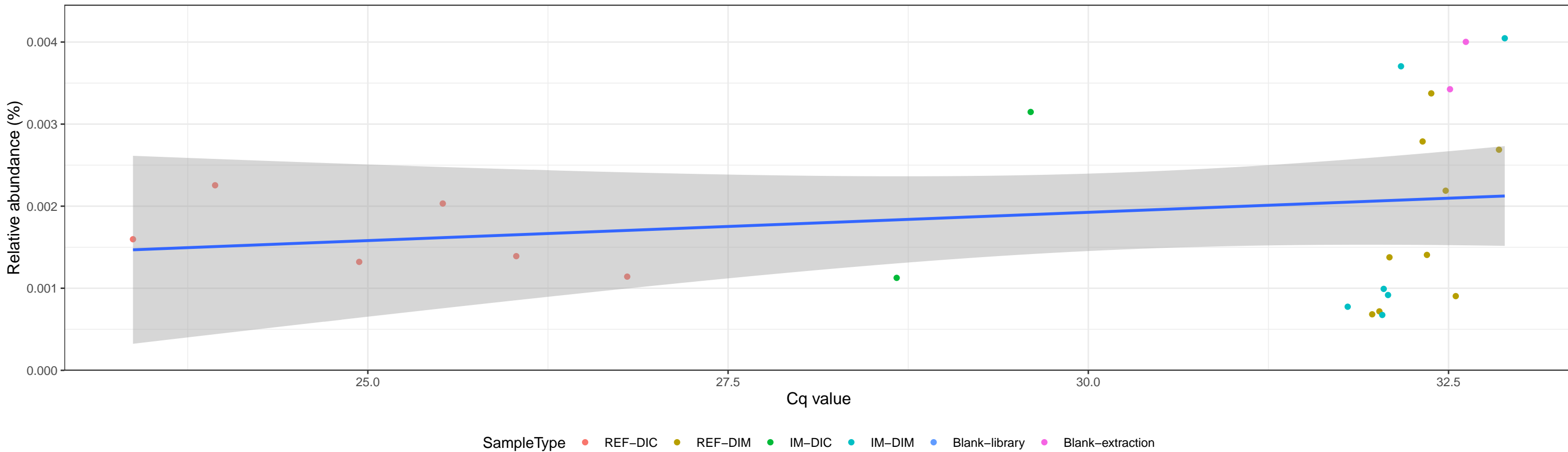
Correlation within the sample type: IM-DIM

$\log_e(S) = 5.437$, $p = 0.215$, $\rho_{\text{Spearman}} = 0.369$, $CI_{95\%} [-0.229, 0.764]$, $n = 13$



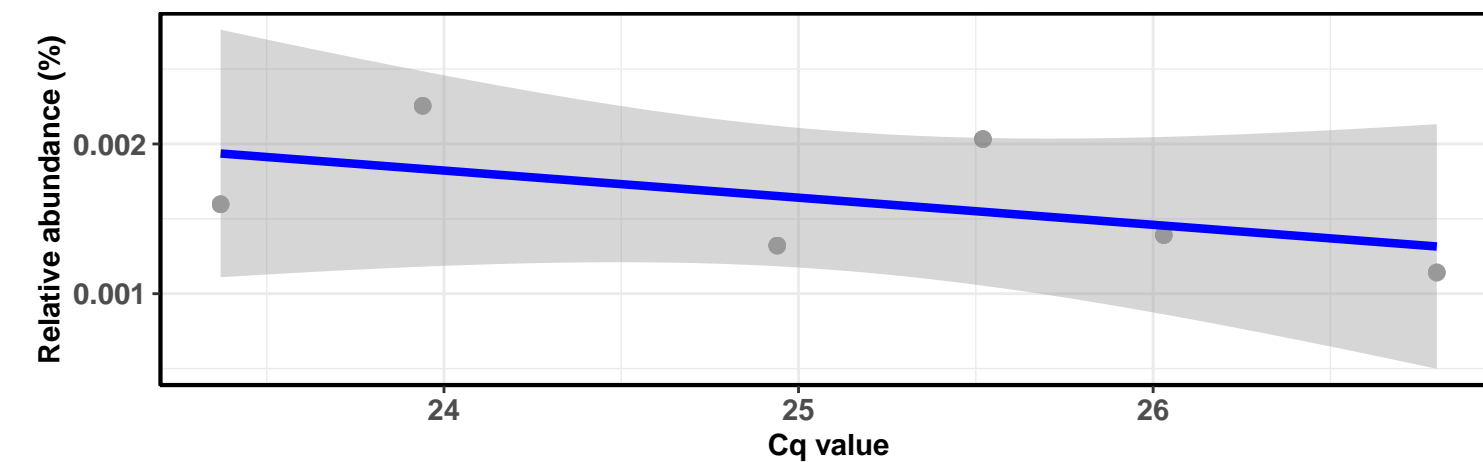
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

Correlation with all samples



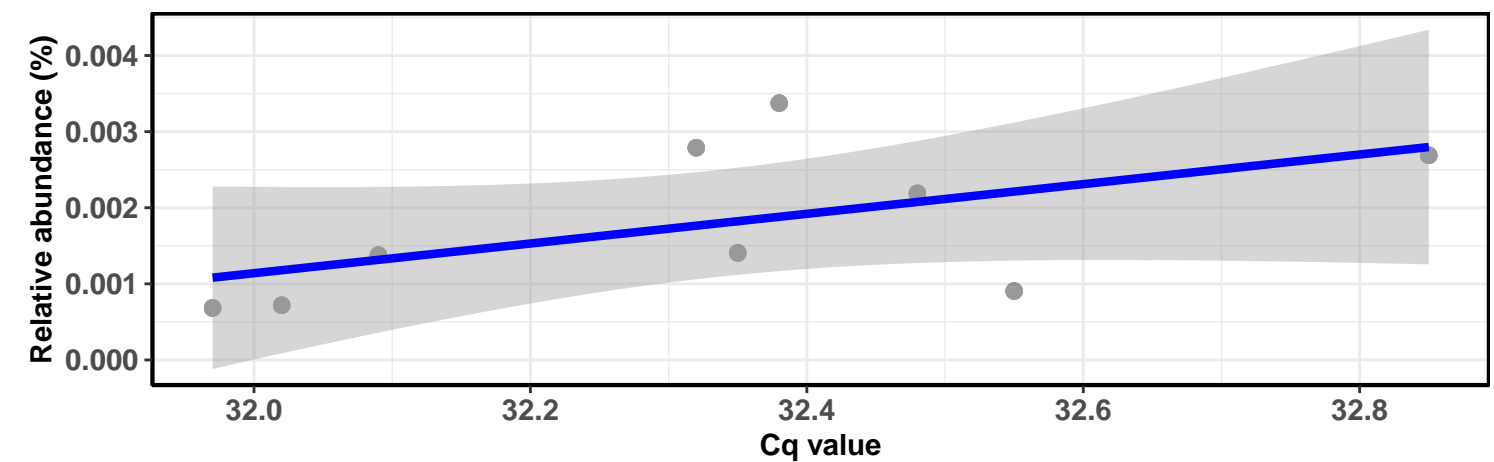
Correlation within the sample type: REF-DIC

$\log_e(S) = 4.025$, $p = 0.208$, $\rho_{\text{Spearman}} = -0.600$, $CI_{95\%} [-0.949, 0.412]$, $n = 6$

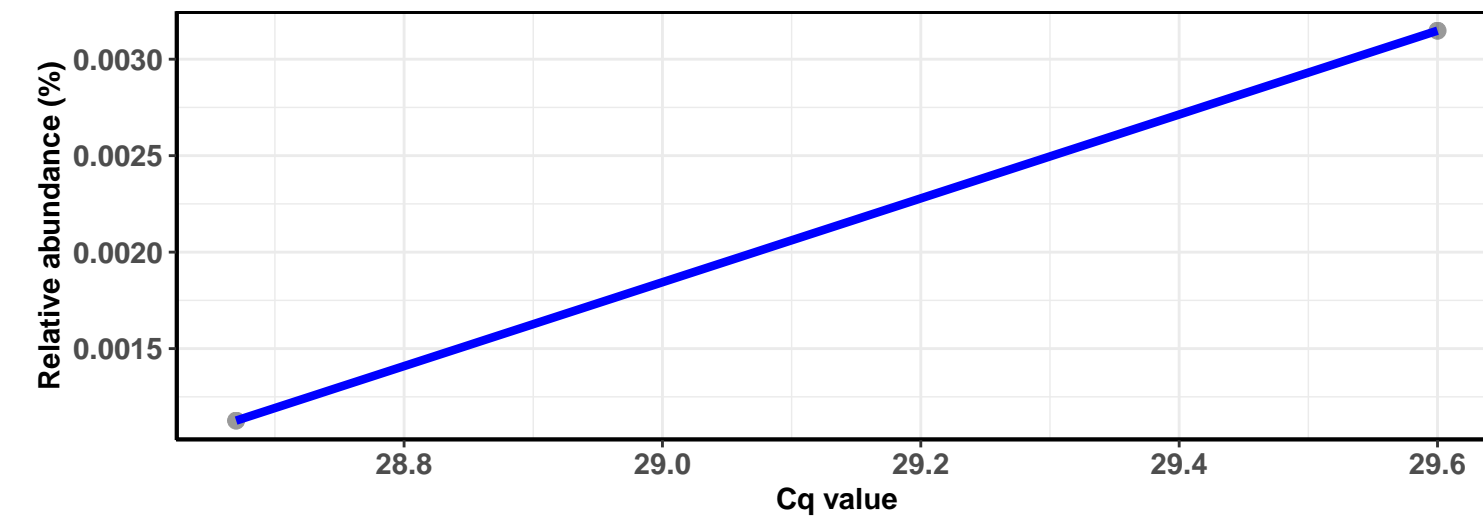


Correlation within the sample type: REF-DIM

$\log_e(S) = 4.025$, $p = 0.139$, $\rho_{\text{Spearman}} = 0.533$, $CI_{95\%} [-0.203, 0.884]$, $n = 9$

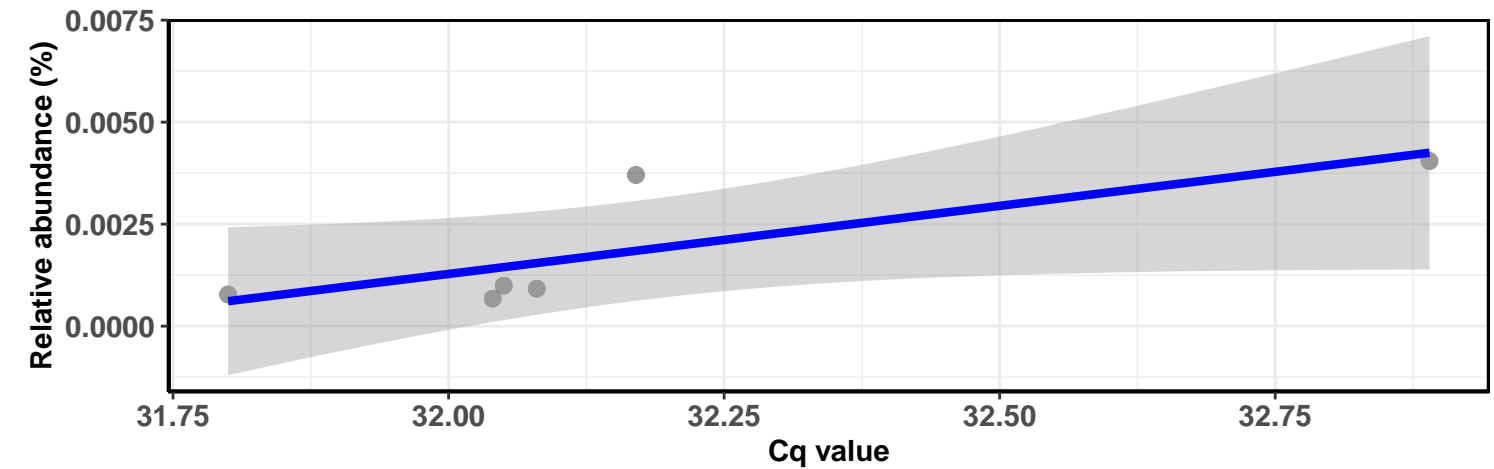


Correlation within the sample type: IM-DIC



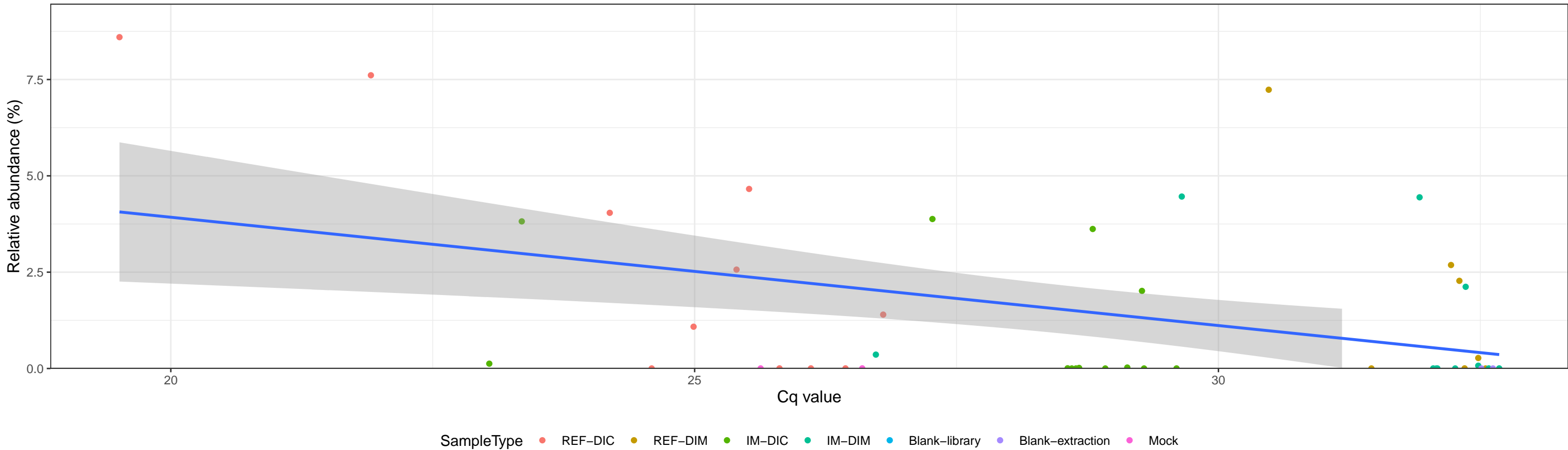
Correlation within the sample type: IM-DIM

$\log_e(S) = 1.386$, $p = 0.019$, $\rho_{\text{Spearman}} = 0.886$, $CI_{95\%} [0.264, 0.987]$, $n = 6$



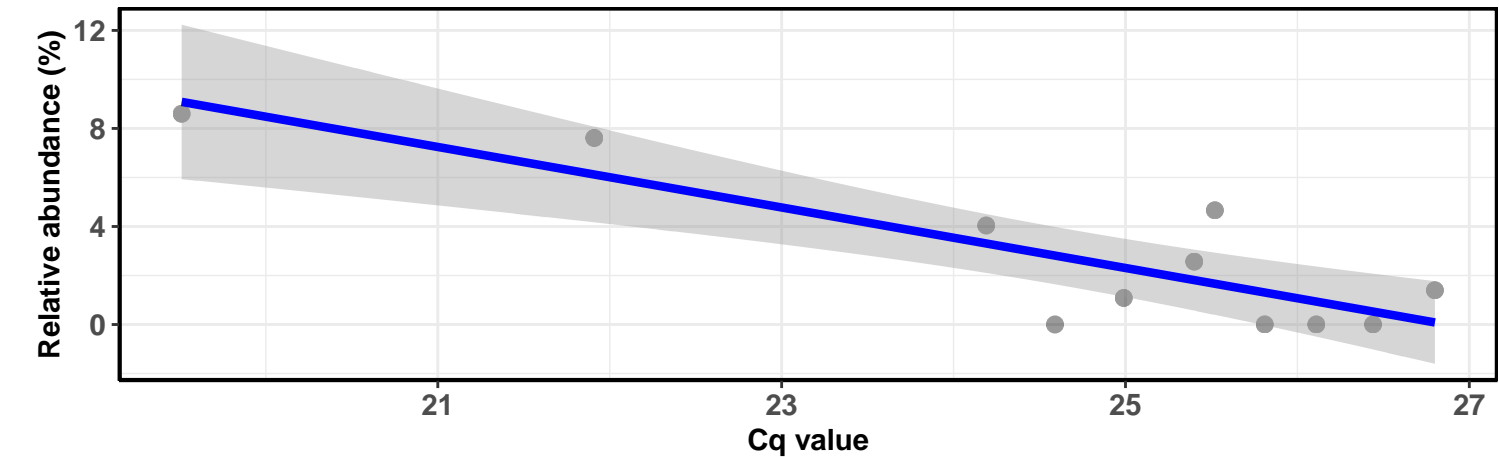
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Aliivibrio; Ambiguous_taxa

Correlation with all samples



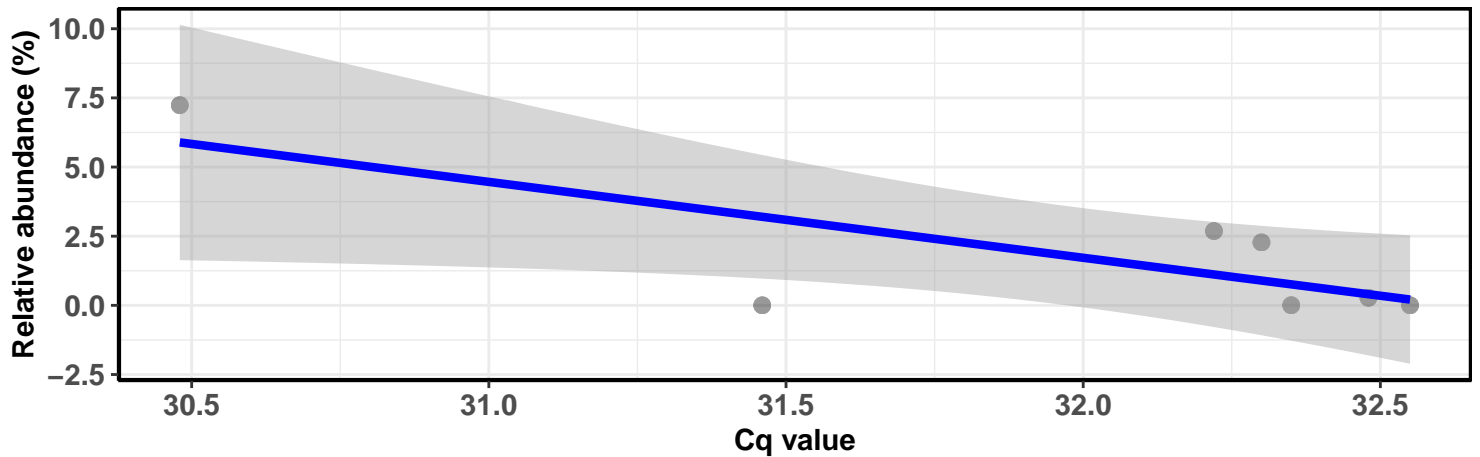
Correlation within the sample type: REF-DIC

$\log_e(S) = 5.835$, $p = 0.077$, $\rho_{\text{Spearman}} = -0.555$, $CI_{95\%} [-0.866, 0.068]$, $n = 11$



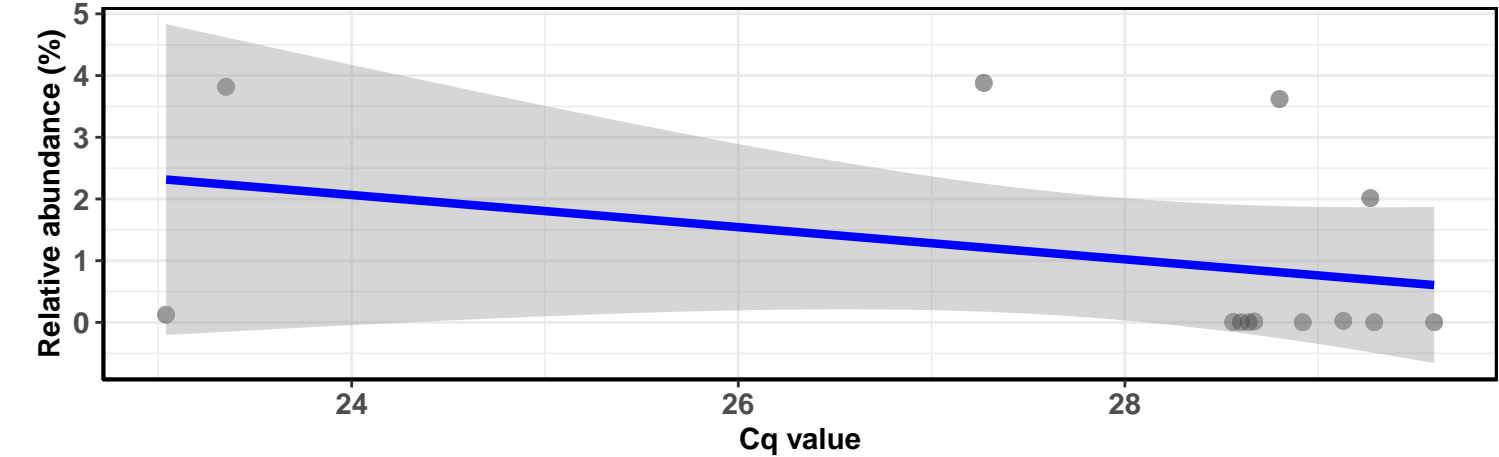
Correlation within the sample type: REF-DIM

$\log_e(S) = 4.500$, $p = 0.148$, $\rho_{\text{Spearman}} = -0.607$, $CI_{95\%} [-0.933, 0.269]$, $n = 7$



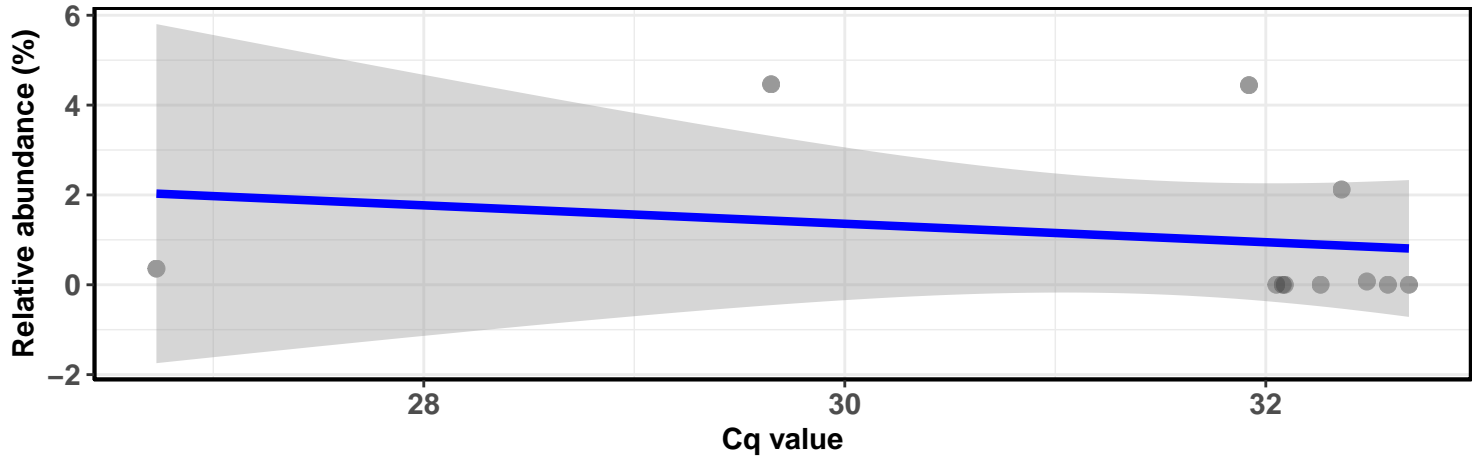
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.223$, $p = 0.194$, $\rho_{\text{Spearman}} = -0.385$, $CI_{95\%} [-0.772, 0.211]$, $n = 13$



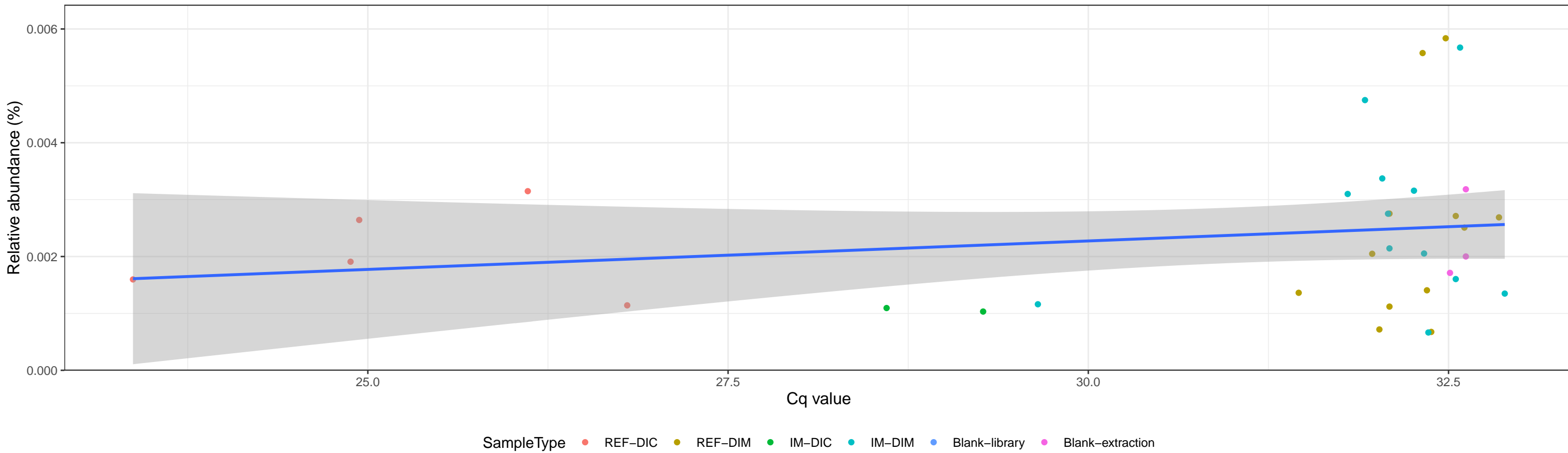
Correlation within the sample type: IM-DIM

$\log_e(S) = 5.642$, $p = 0.401$, $\rho_{\text{Spearman}} = -0.282$, $CI_{95\%} [-0.754, 0.383]$, $n = 11$

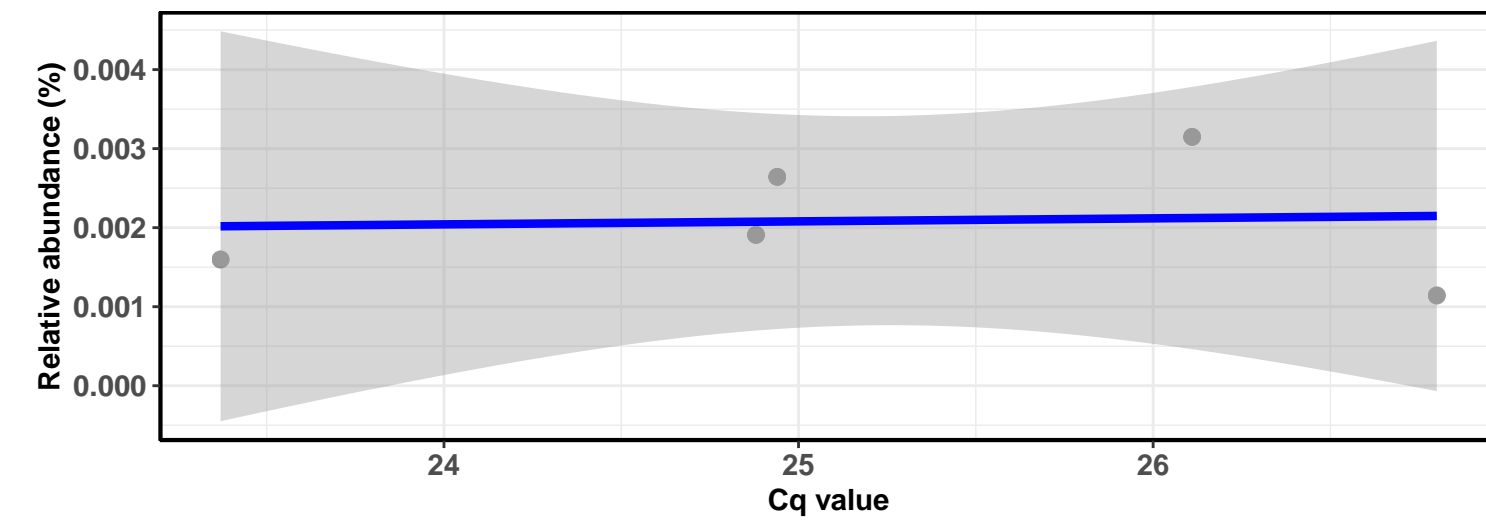


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Pseudomonadales; D_4__Pseudomonadaceae; D_5__Pseudomonas

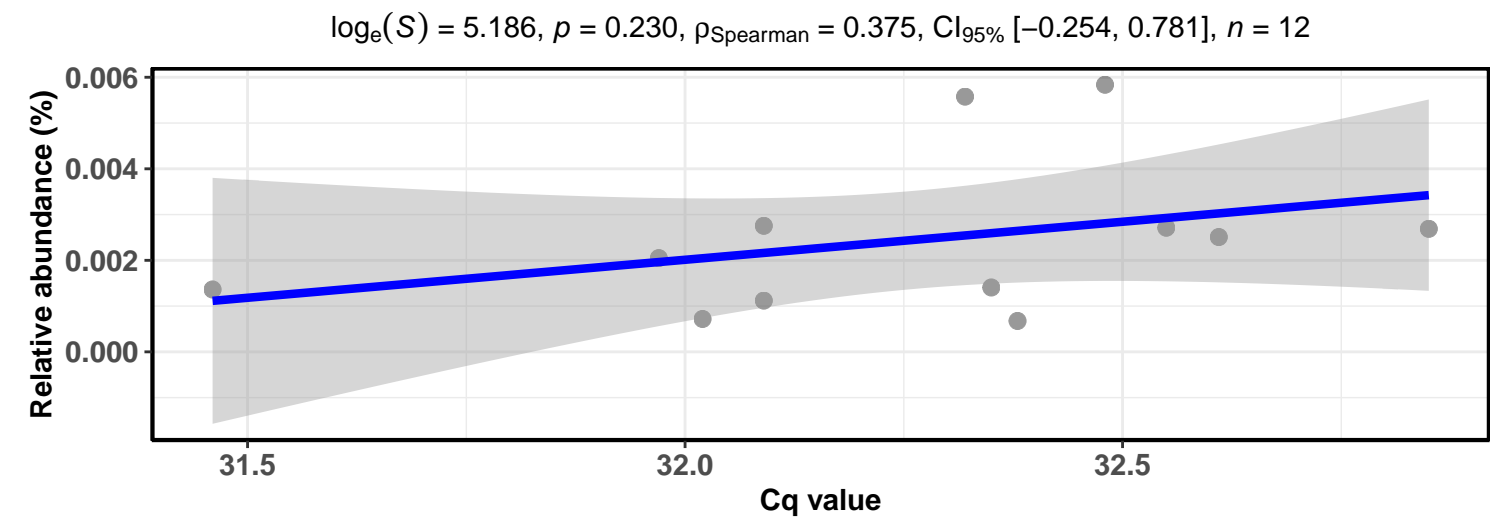
Correlation with all samples



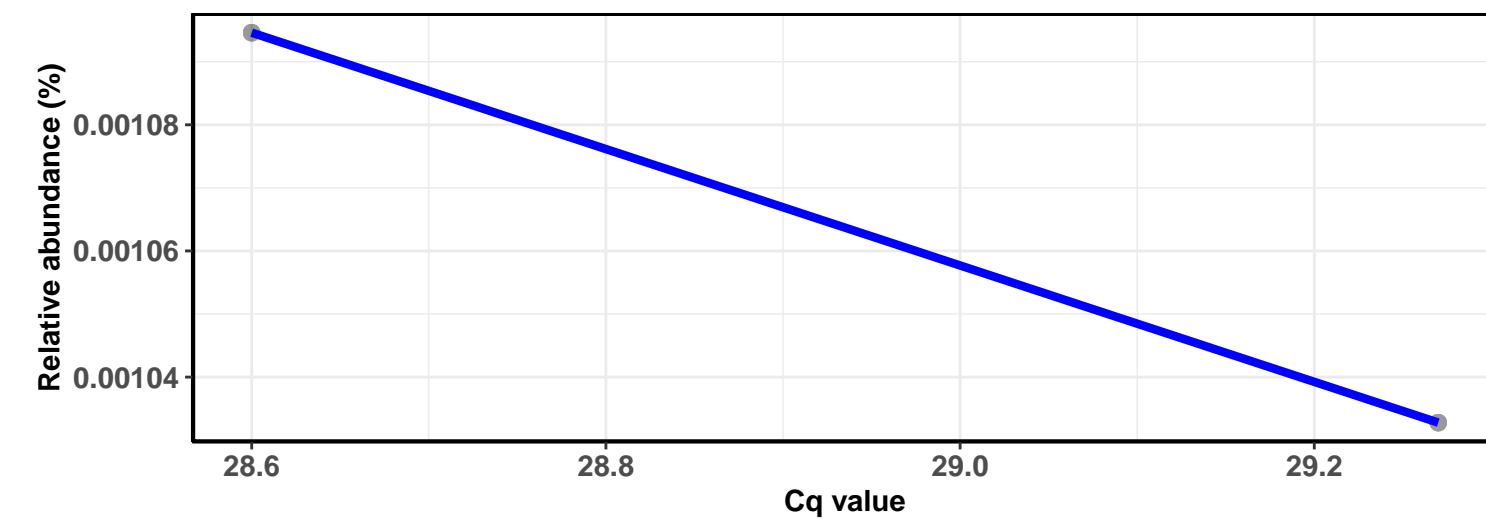
Correlation within the sample type: REF-DIC



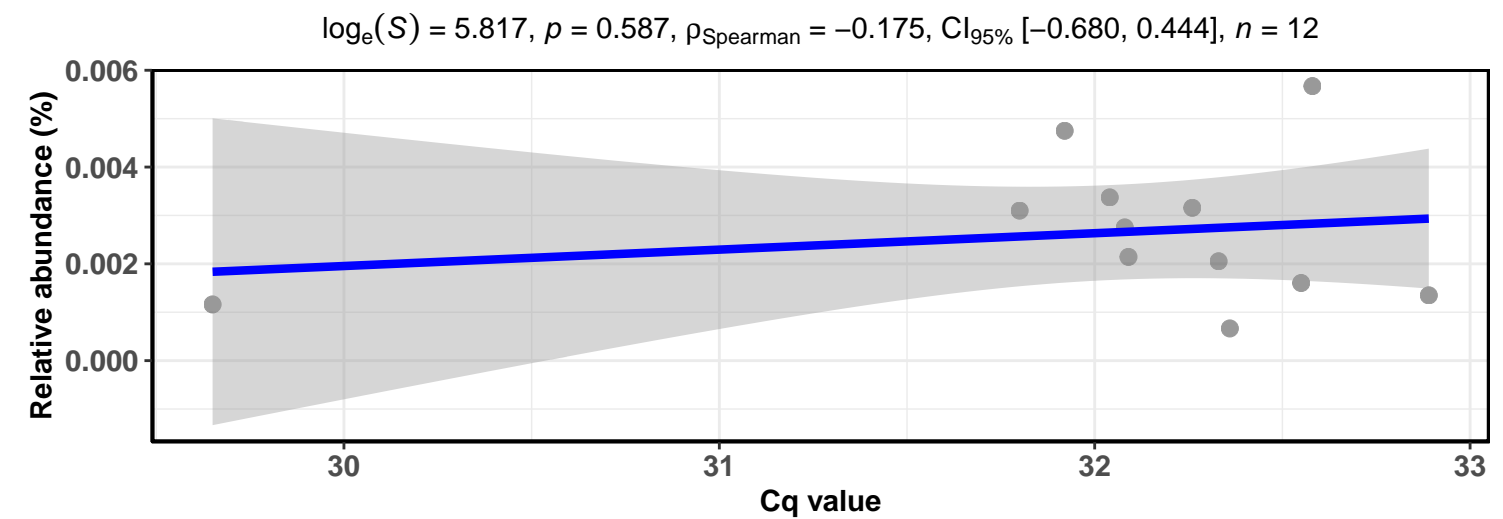
Correlation within the sample type: REF-DIM



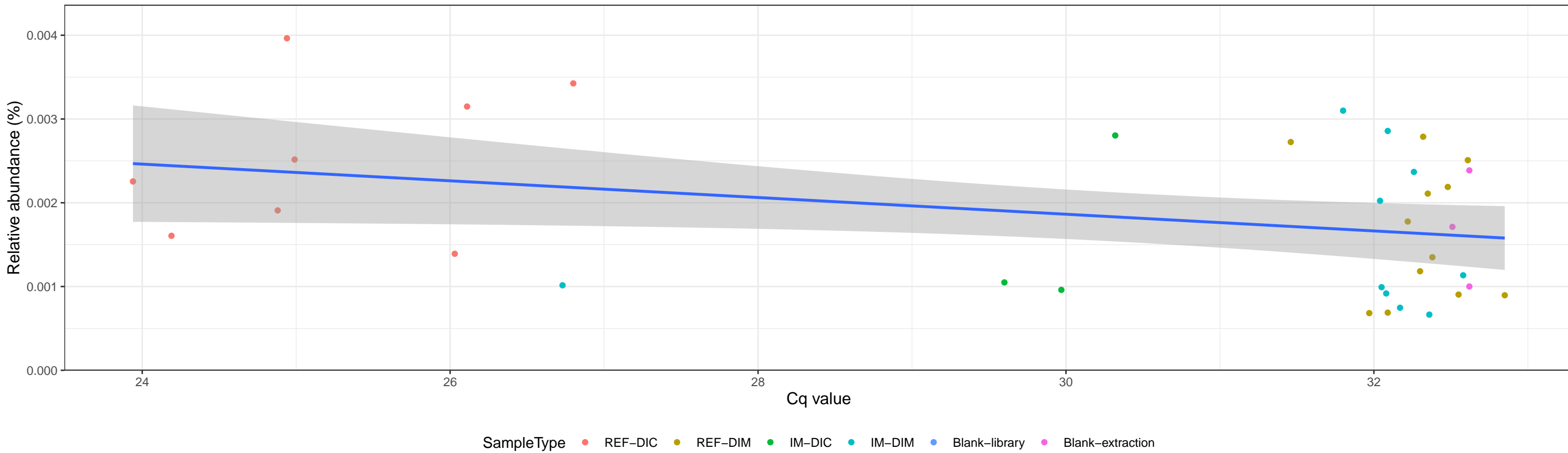
Correlation within the sample type: IM-DIC



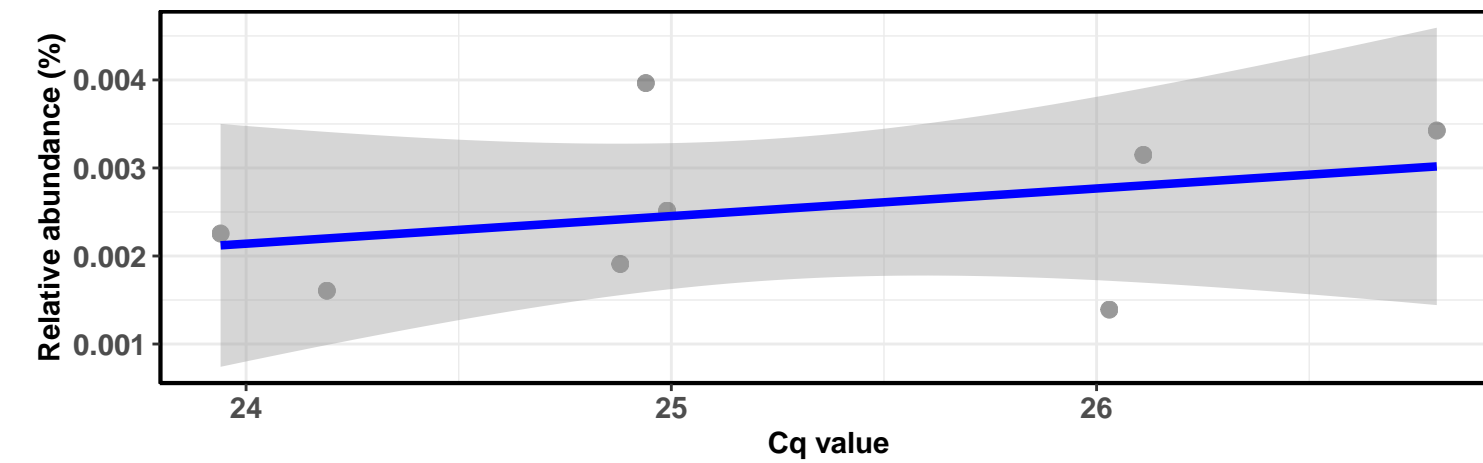
Correlation within the sample type: IM-DIM



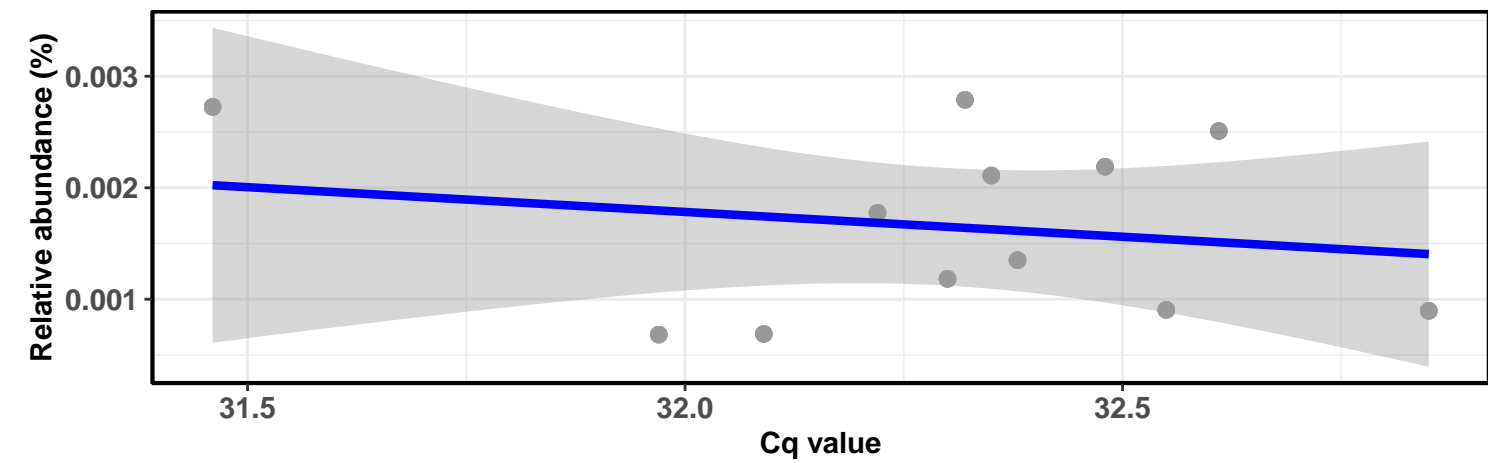
Correlation with all samples



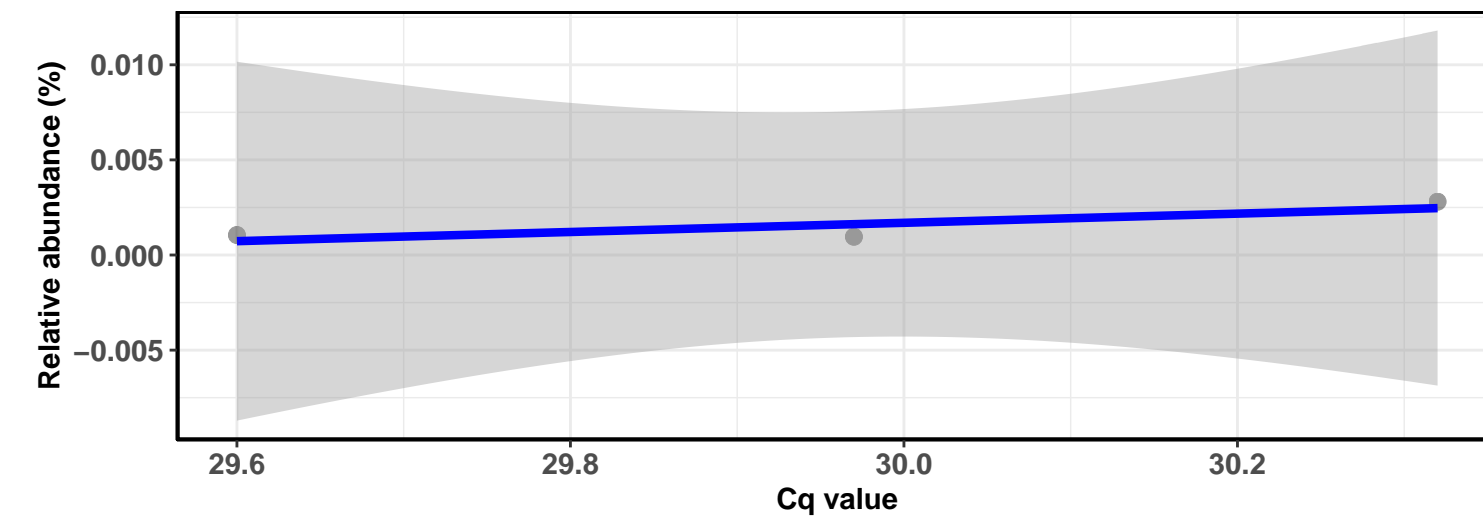
Correlation within the sample type: REF-DIC

 $\log_e(S) = 3.951$, $p = 0.352$, $\rho_{\text{Spearman}} = 0.381$, $CI_{95\%} [-0.443, 0.856]$, $n = 8$ 

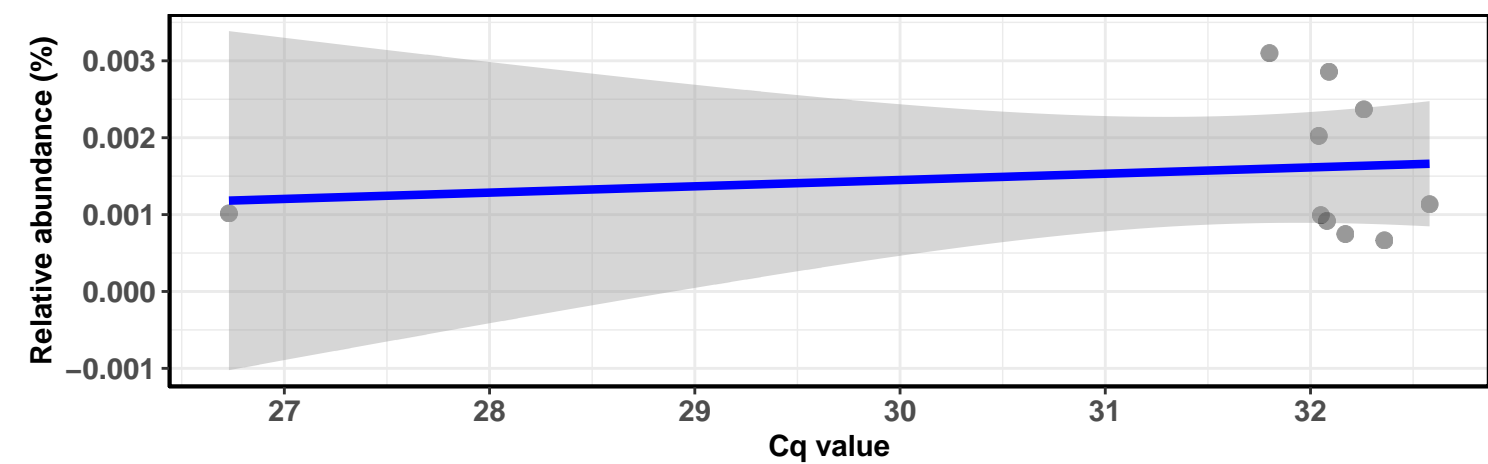
Correlation within the sample type: REF-DIM

 $\log_e(S) = 5.598$, $p = 0.863$, $\rho_{\text{Spearman}} = 0.056$, $CI_{95\%} [-0.535, 0.610]$, $n = 12$ 

Correlation within the sample type: IM-DIC

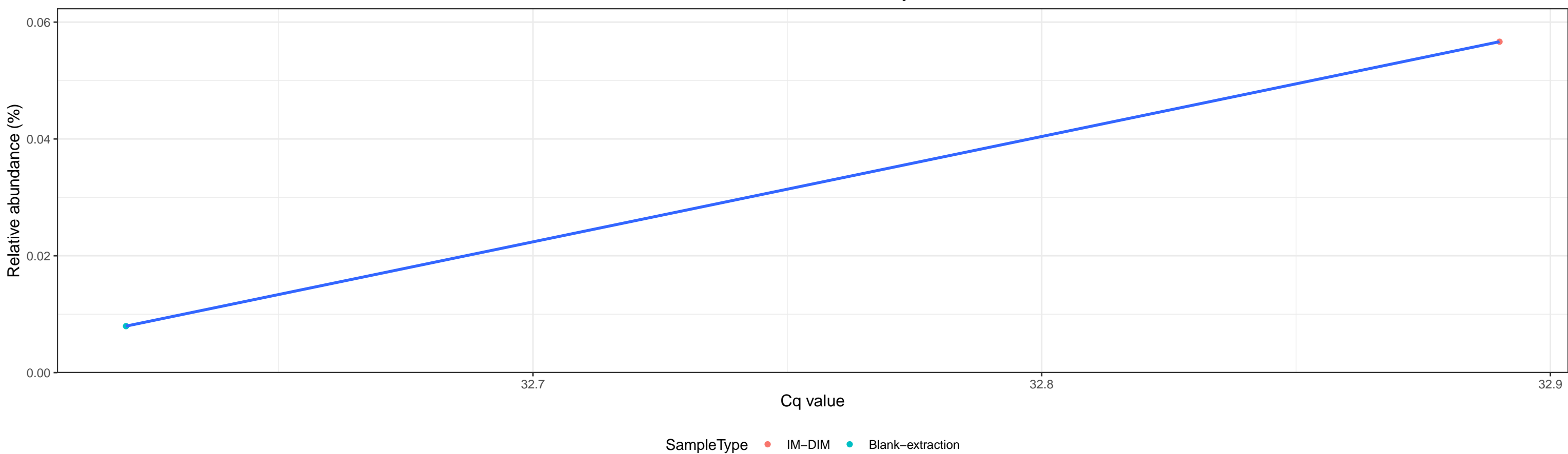


Correlation within the sample type: IM-DIM

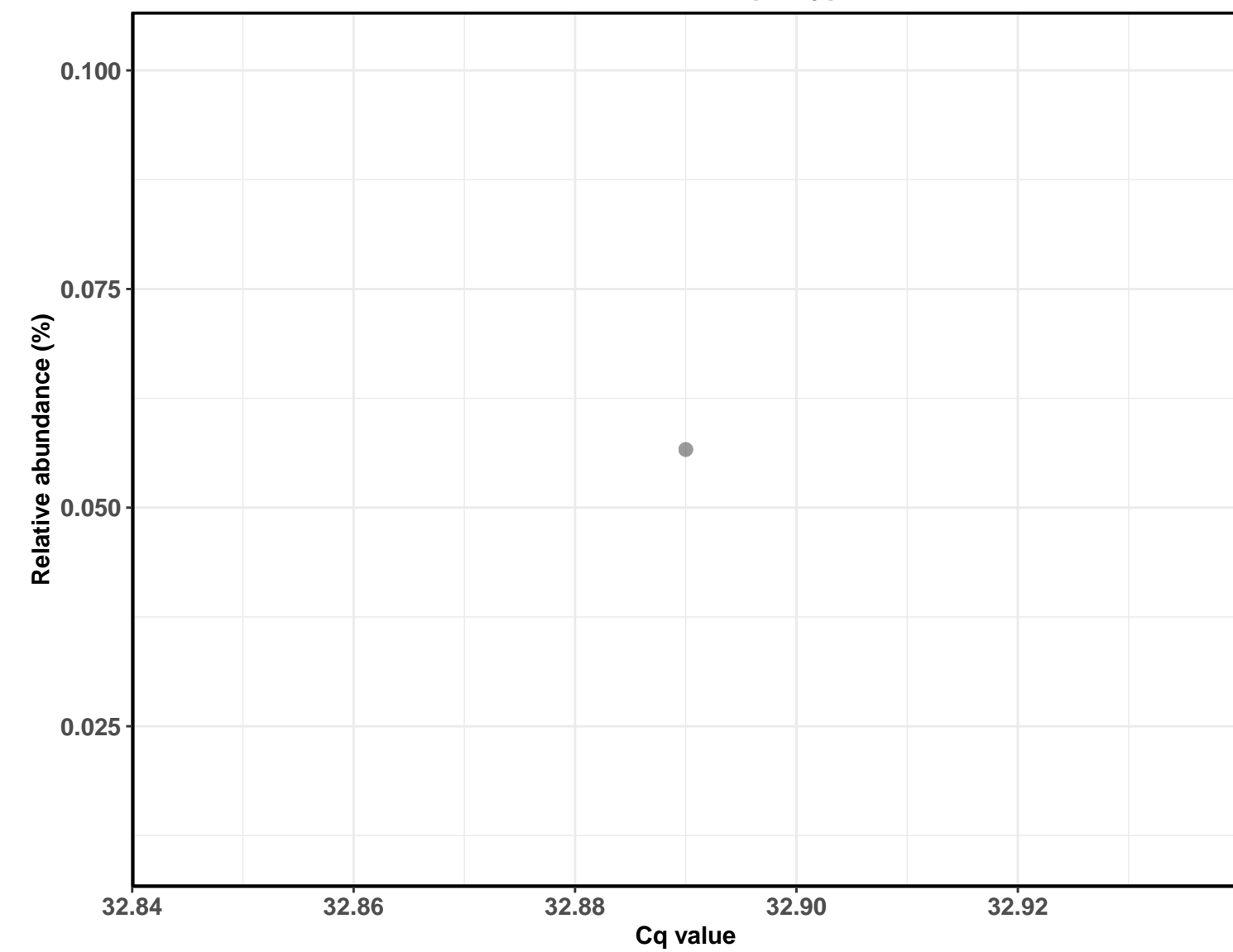
 $\log_e(S) = 5.366$, $p = 0.405$, $\rho_{\text{Spearman}} = -0.297$, $CI_{95\%} [-0.781, 0.409]$, $n = 10$ 

D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

Correlation with all samples

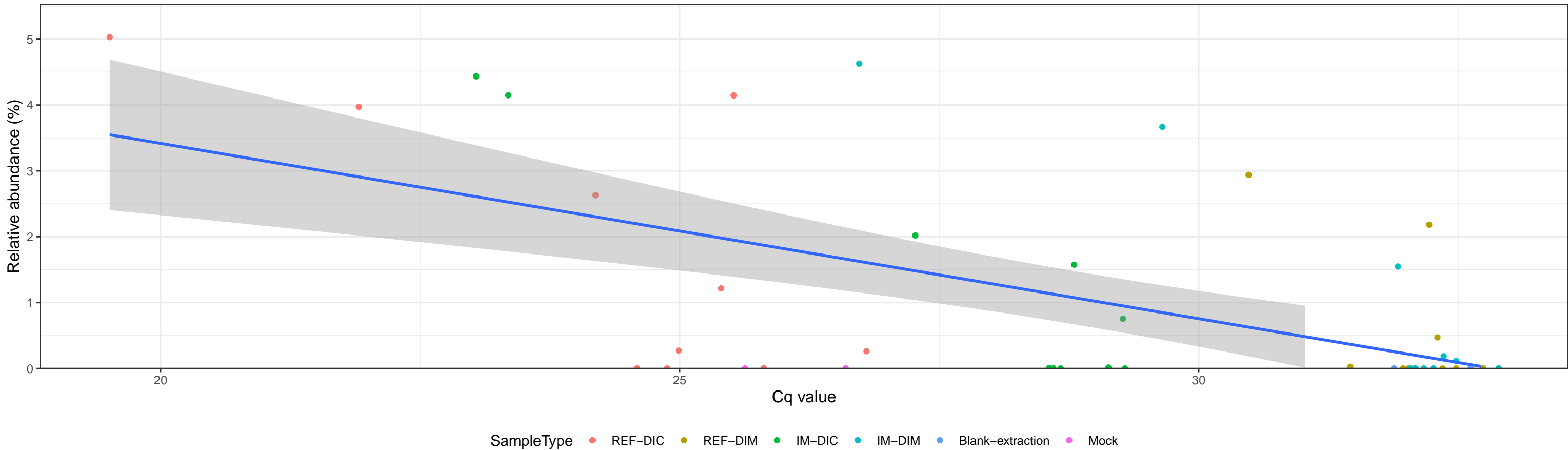


Correlation within the sample type: IM-DIM



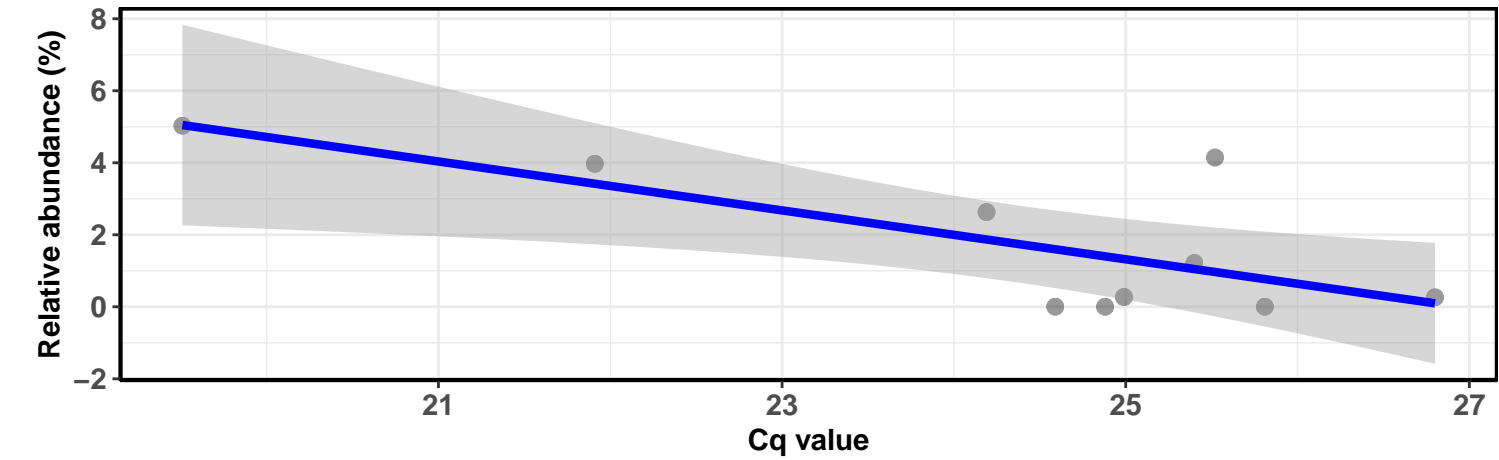
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Aliivibrio; D_6__uncultured bacterium

Correlation with all samples



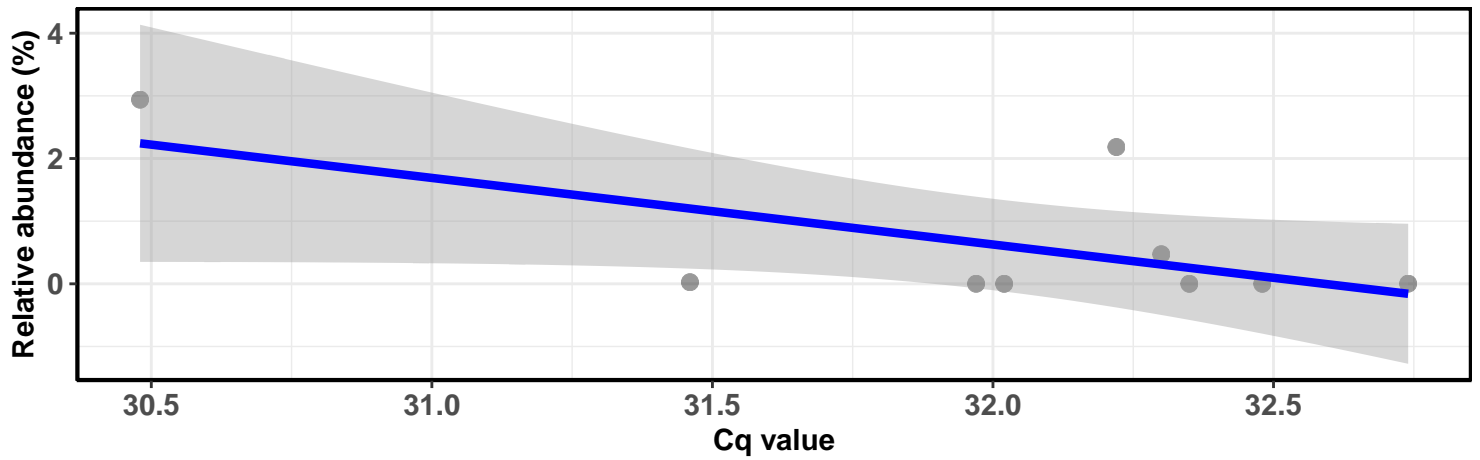
Correlation within the sample type: REF-DIC

$\log_e(S) = 5.429$, $p = 0.276$, $\rho_{\text{Spearman}} = -0.382$, $CI_{95\%} [-0.815, 0.326]$, $n = 10$



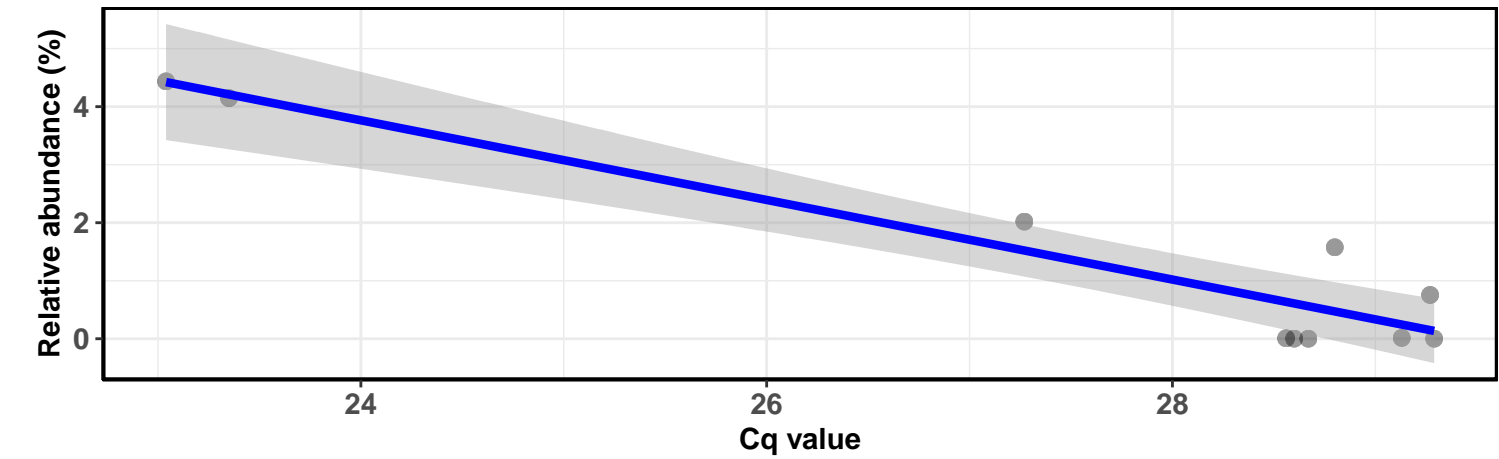
Correlation within the sample type: REF-DIM

$\log_e(S) = 5.147$, $p = 0.244$, $\rho_{\text{Spearman}} = -0.433$, $CI_{95\%} [-0.852, 0.324]$, $n = 9$



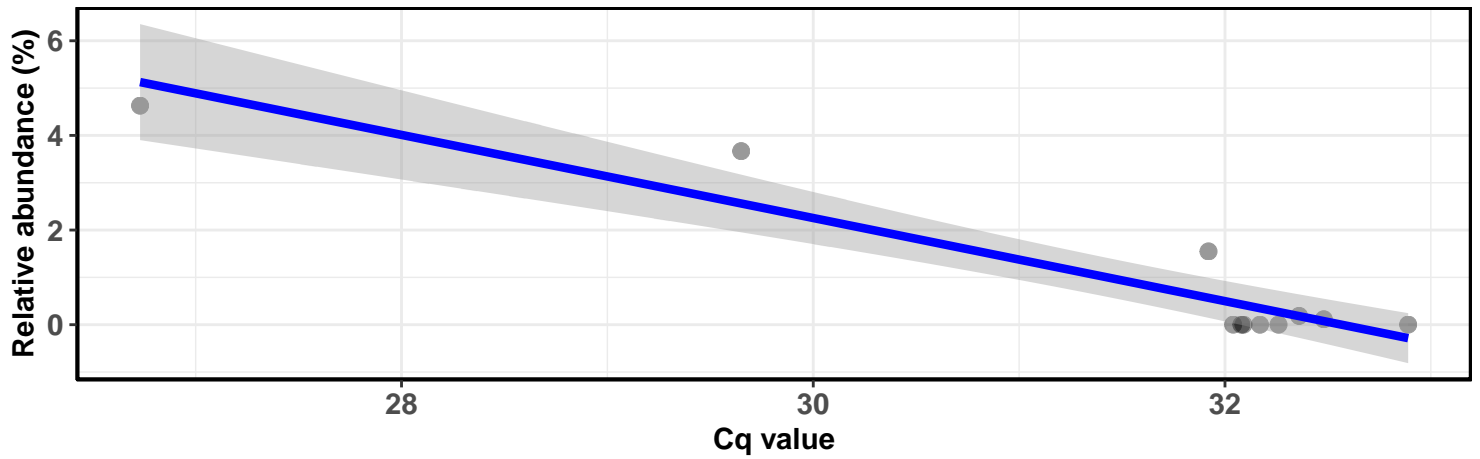
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.583$, $p = 0.060$, $\rho_{\text{Spearman}} = -0.612$, $CI_{95\%} [-0.896, 0.028]$, $n = 10$



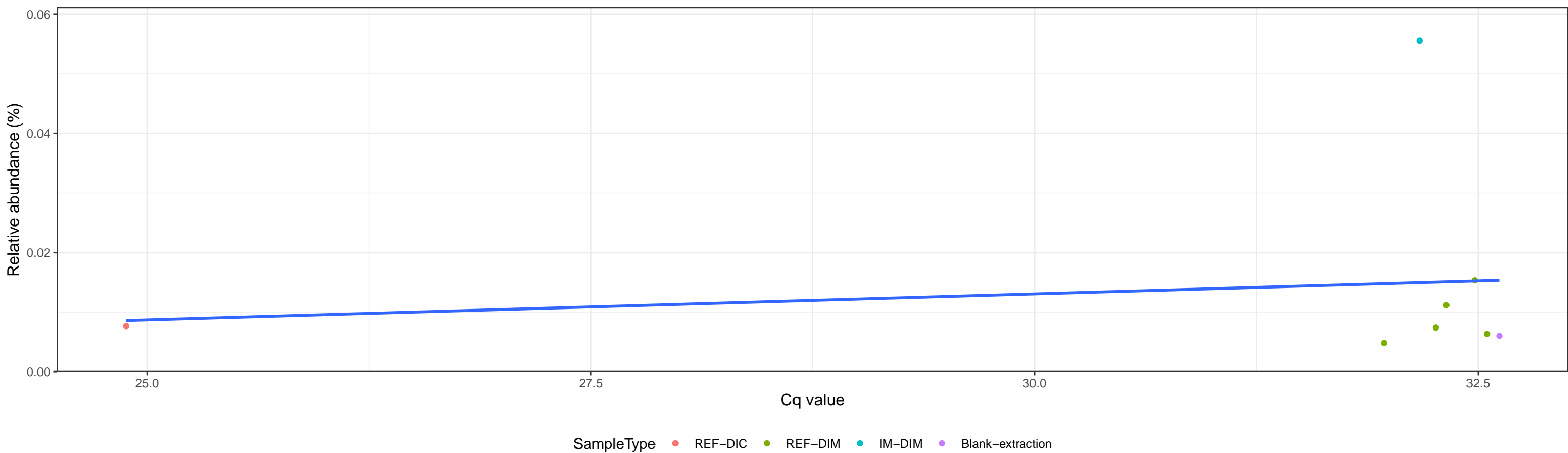
Correlation within the sample type: IM-DIM

$\log_e(S) = 5.710$, $p = 0.259$, $\rho_{\text{Spearman}} = -0.373$, $CI_{95\%} [-0.795, 0.293]$, $n = 11$

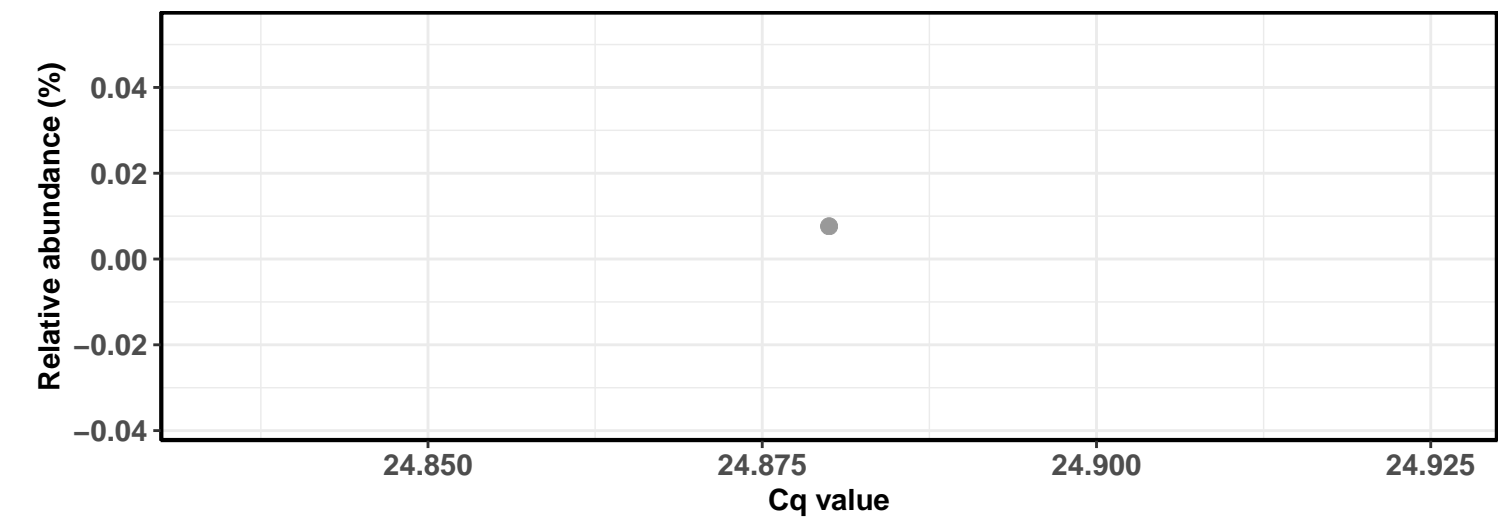


D_0__Bacteria; D_1__Proteobacteria; D_2__Alphaproteobacteria; D_3__Caulobacterales; D_4__Caulobacteraceae; D_5__Brevundimonas

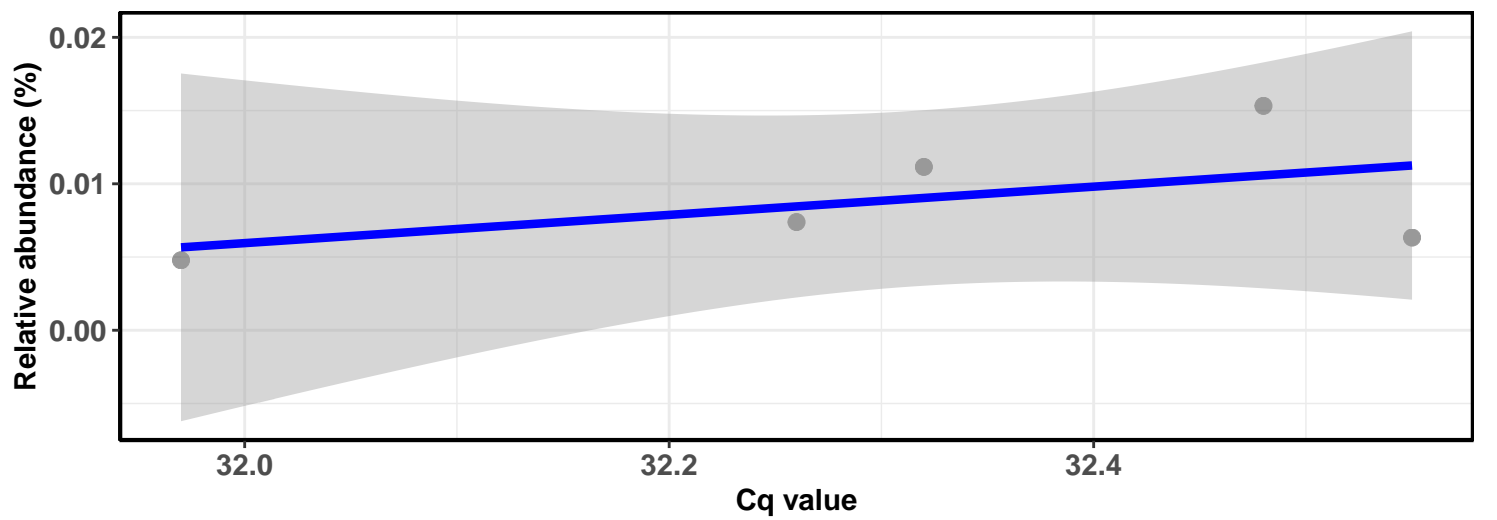
Correlation with all samples



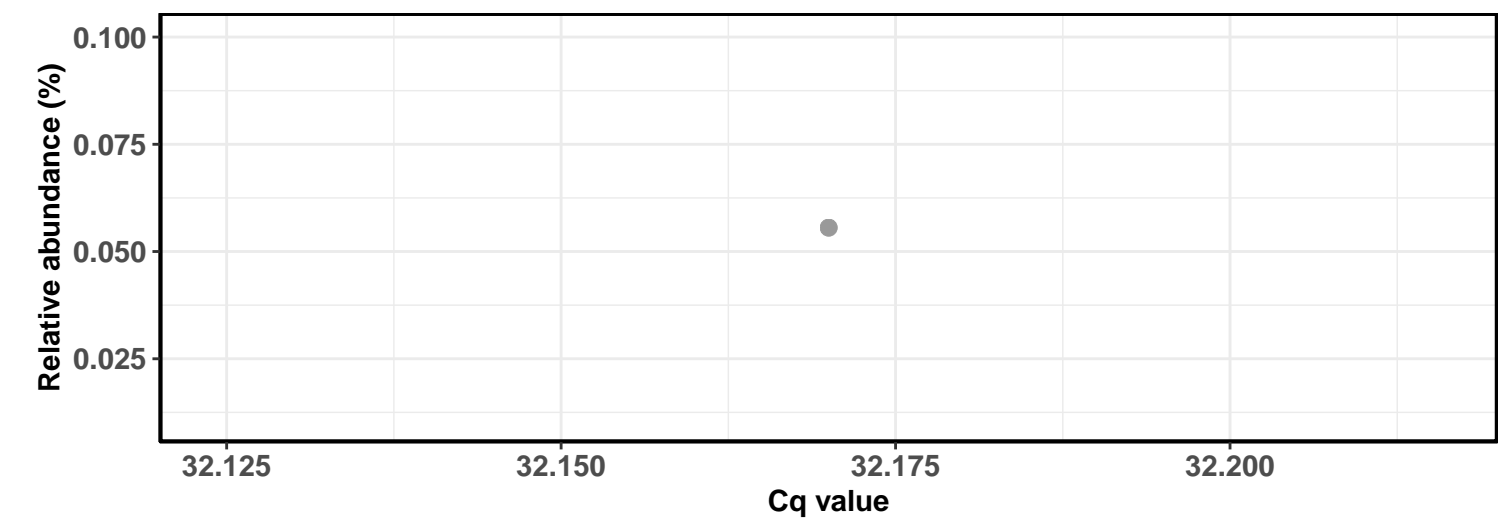
Correlation within the sample type: REF-DIC



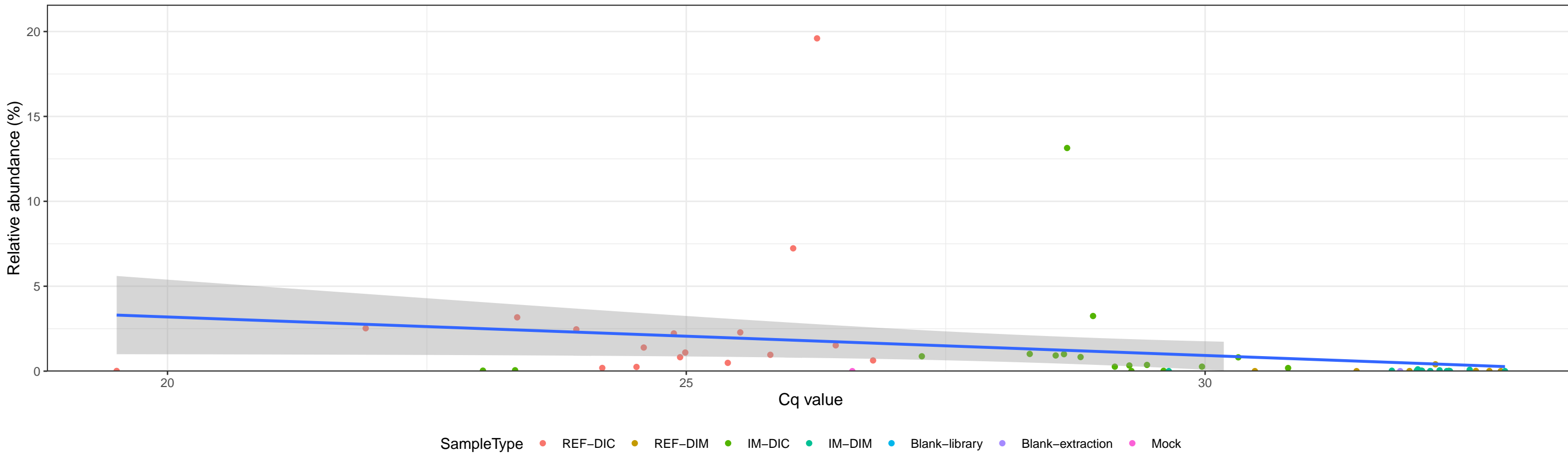
Correlation within the sample type: REF-DIM



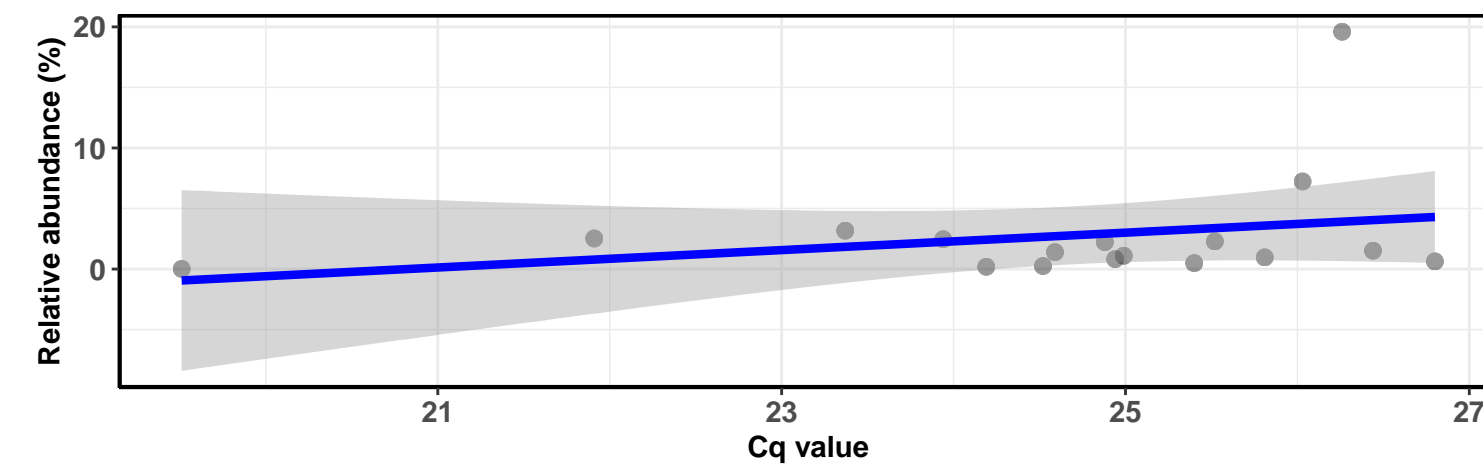
Correlation within the sample type: IM-DIM



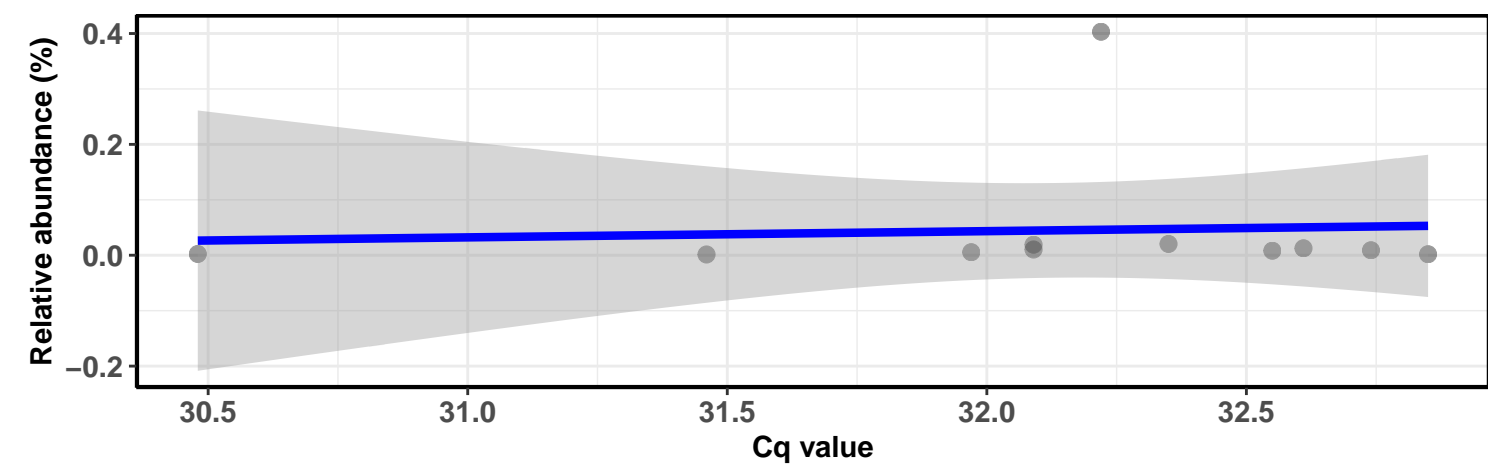
Correlation with all samples



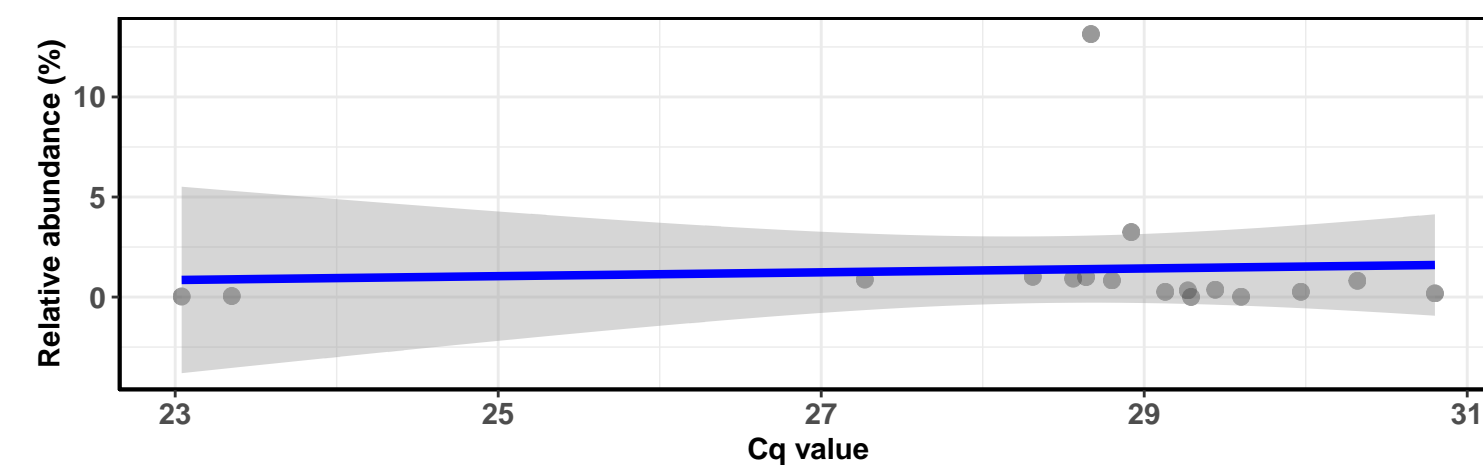
Correlation within the sample type: REF-DIC

 $\log_e(S) = 6.531$, $p = 0.541$, $\rho_{\text{Spearman}} = 0.159$, $CI_{95\%} [-0.348, 0.594]$, $n = 17$ 

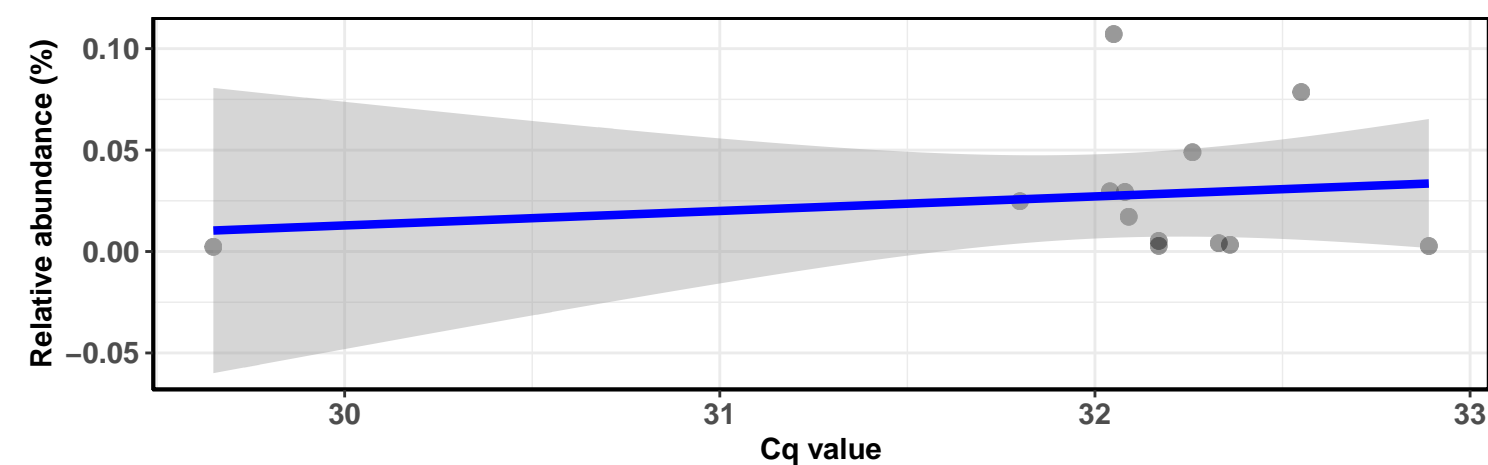
Correlation within the sample type: REF-DIM

 $\log_e(S) = 5.158$, $p = 0.536$, $\rho_{\text{Spearman}} = 0.210$, $CI_{95\%} [-0.446, 0.719]$, $n = 11$ 

Correlation within the sample type: IM-DIC

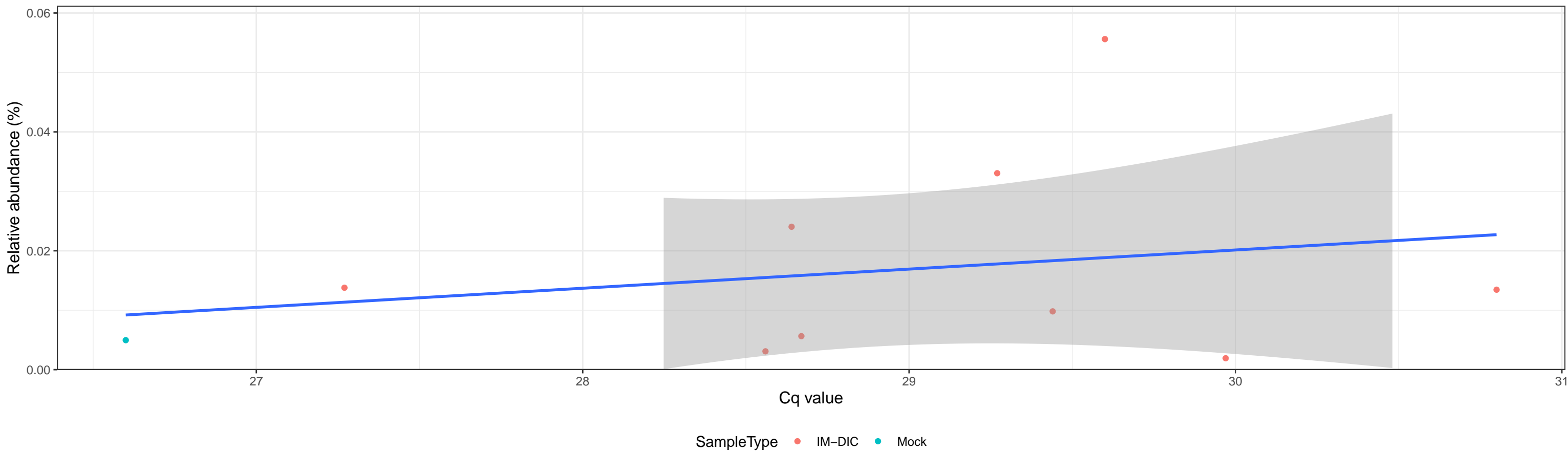
 $\log_e(S) = 6.953$, $p = 0.273$, $\rho_{\text{Spearman}} = -0.282$, $CI_{95\%} [-0.672, 0.230]$, $n = 17$ 

Correlation within the sample type: IM-DIM

 $\log_e(S) = 6.004$, $p = 0.714$, $\rho_{\text{Spearman}} = -0.113$, $CI_{95\%} [-0.625, 0.467]$, $n = 13$ 

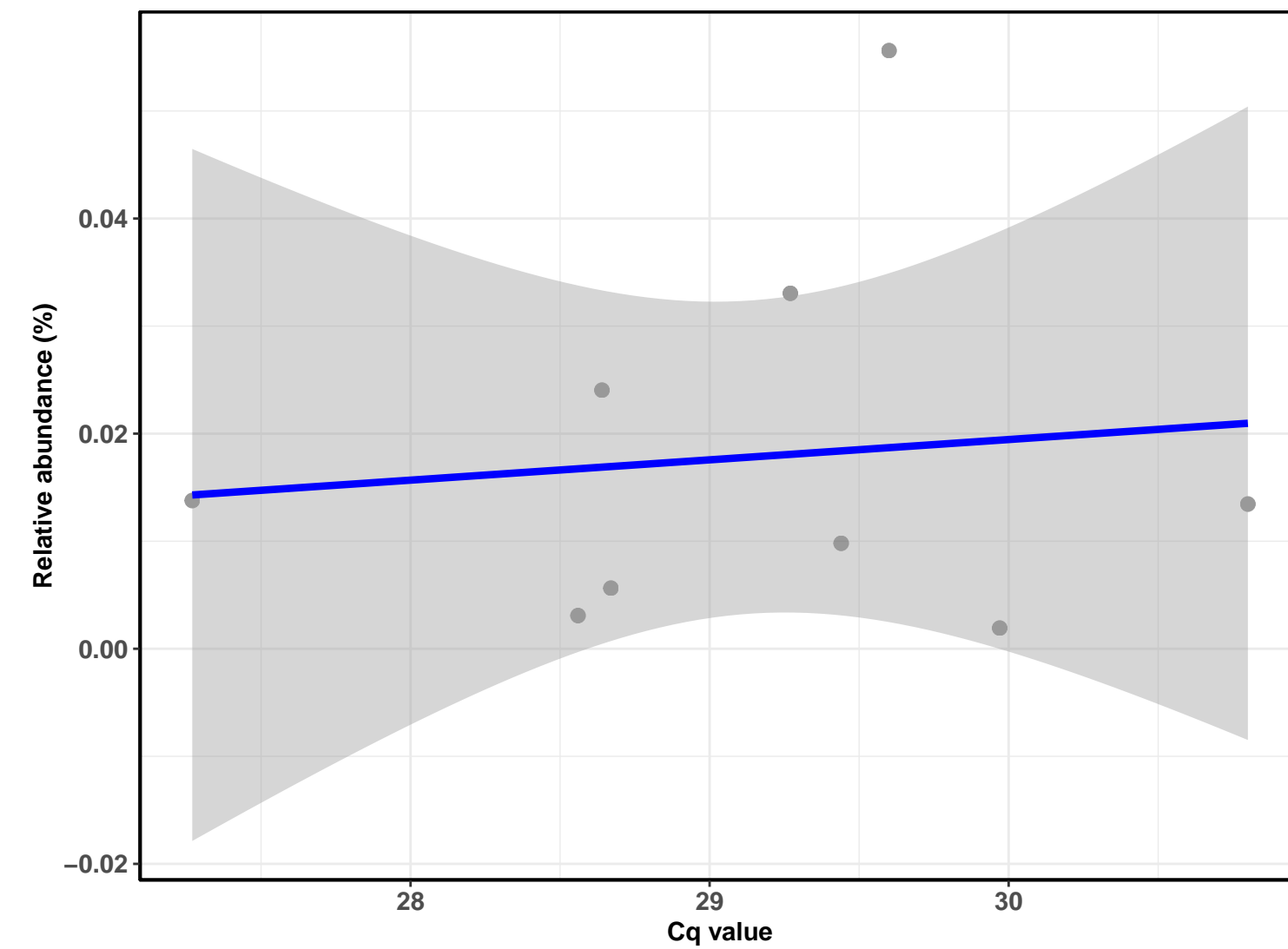
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Enterobacteriales; D_4__Enterobacteriaceae; D_5__Escherichia-Shigella

Correlation with all samples



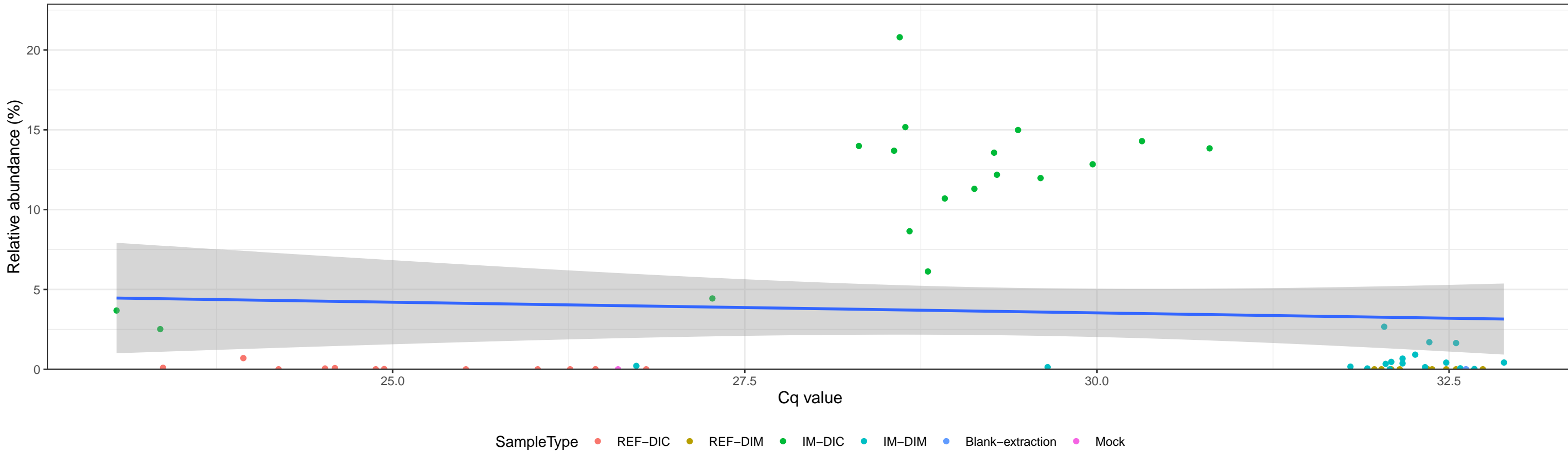
Correlation within the sample type: IM-DIC

$\log_e(S) = 4.820$, $p = 0.932$, $\rho_{\text{Spearman}} = -0.033$, $CI_{95\%} [-0.682, 0.645]$, $n = 9$



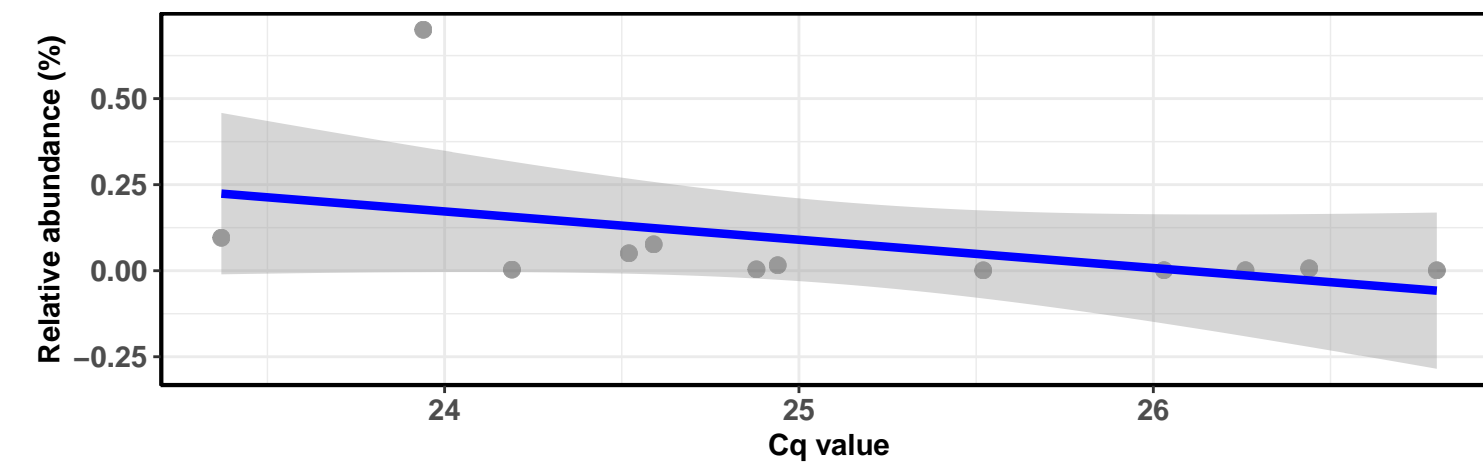
D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales

Correlation with all samples



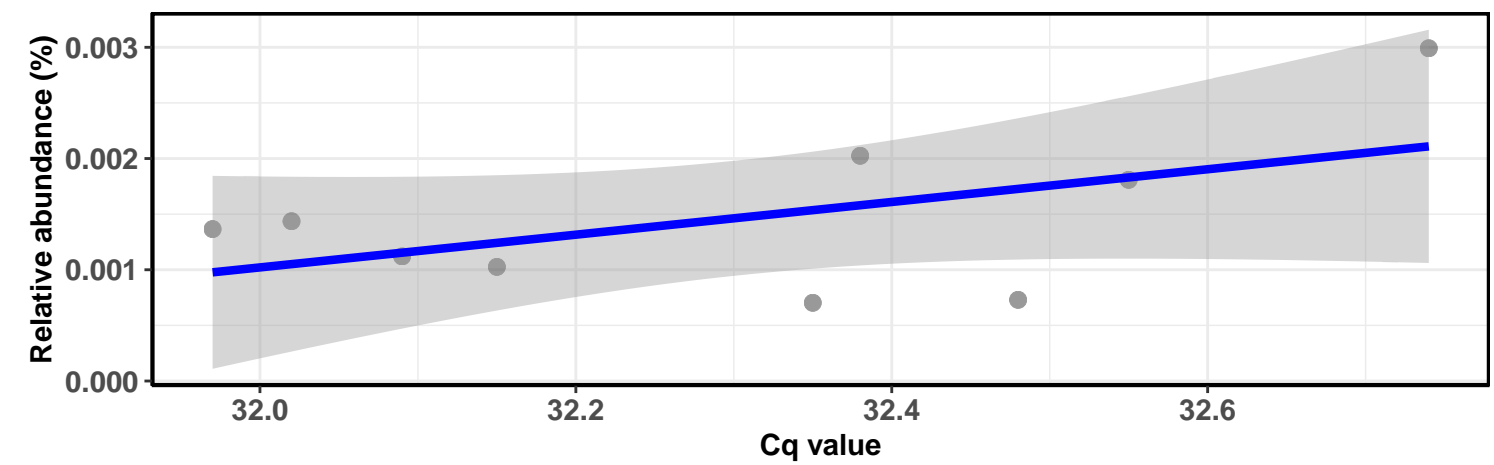
Correlation within the sample type: REF-DIC

$\log_e(S) = 6.203$, $p = 0.007$, $\rho_{\text{Spearman}} = -0.727$, $\text{CI}_{95\%} [-0.918, -0.263]$, $n = 12$



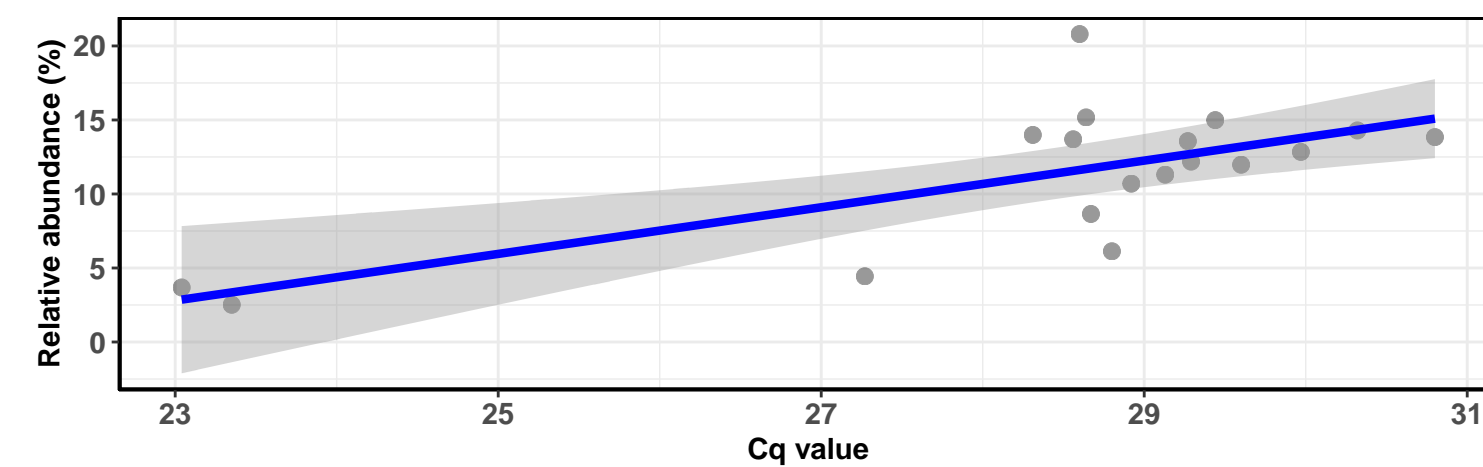
Correlation within the sample type: REF-DIM

$\log_e(S) = 4.382$, $p = 0.381$, $\rho_{\text{Spearman}} = 0.333$, $\text{CI}_{95\%} [-0.425, 0.817]$, $n = 9$



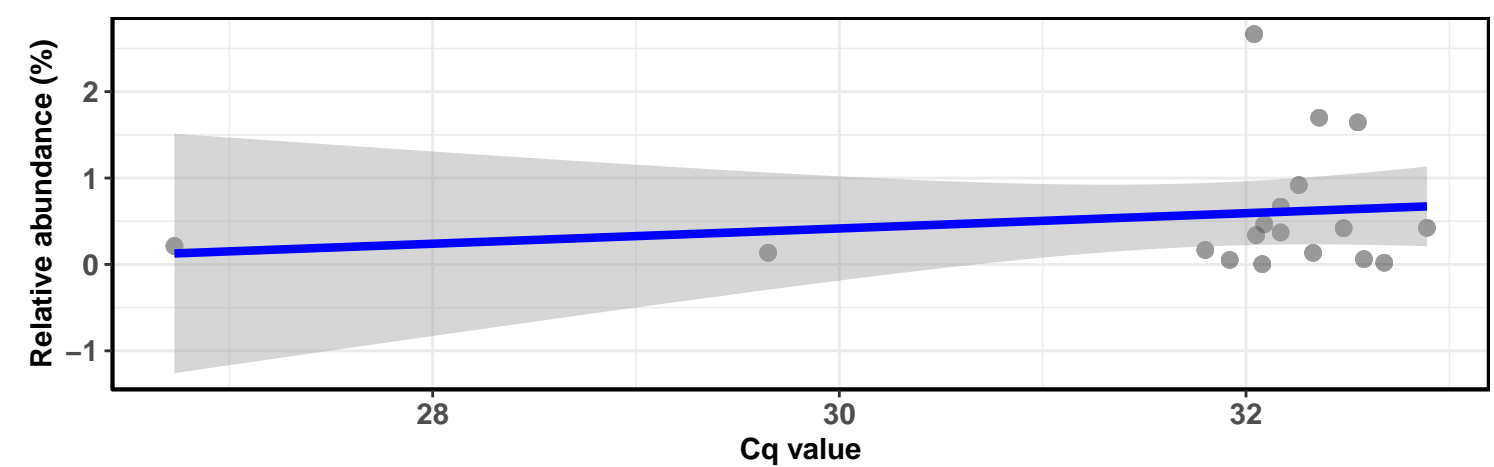
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.390$, $p = 0.115$, $\rho_{\text{Spearman}} = 0.385$, $\text{CI}_{95\%} [-0.100, 0.722]$, $n = 18$



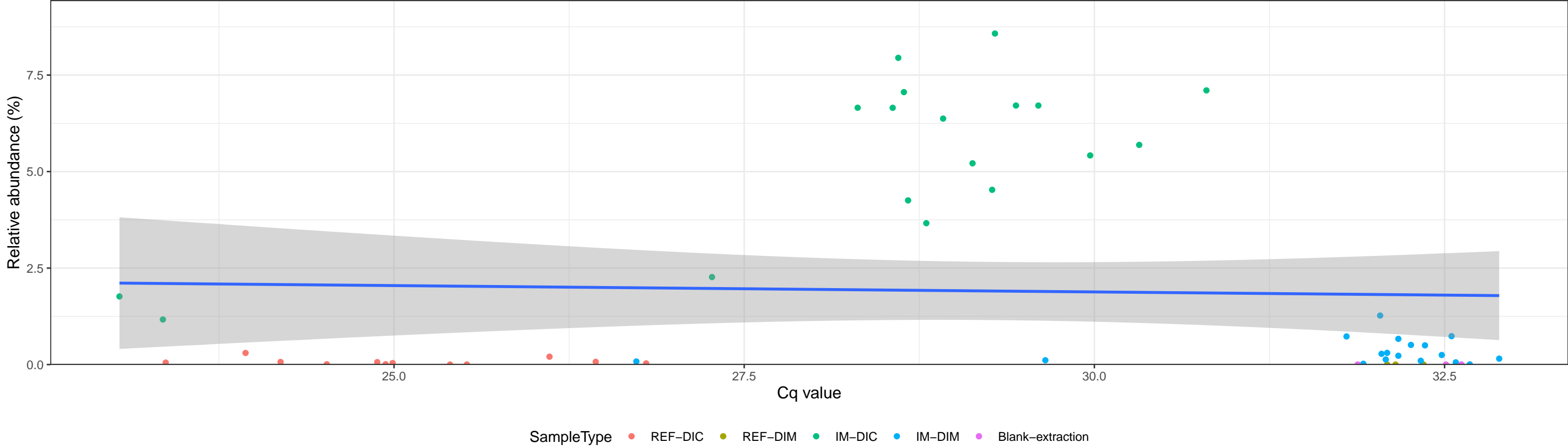
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.731$, $p = 0.593$, $\rho_{\text{Spearman}} = 0.135$, $\text{CI}_{95\%} [-0.354, 0.566]$, $n = 18$



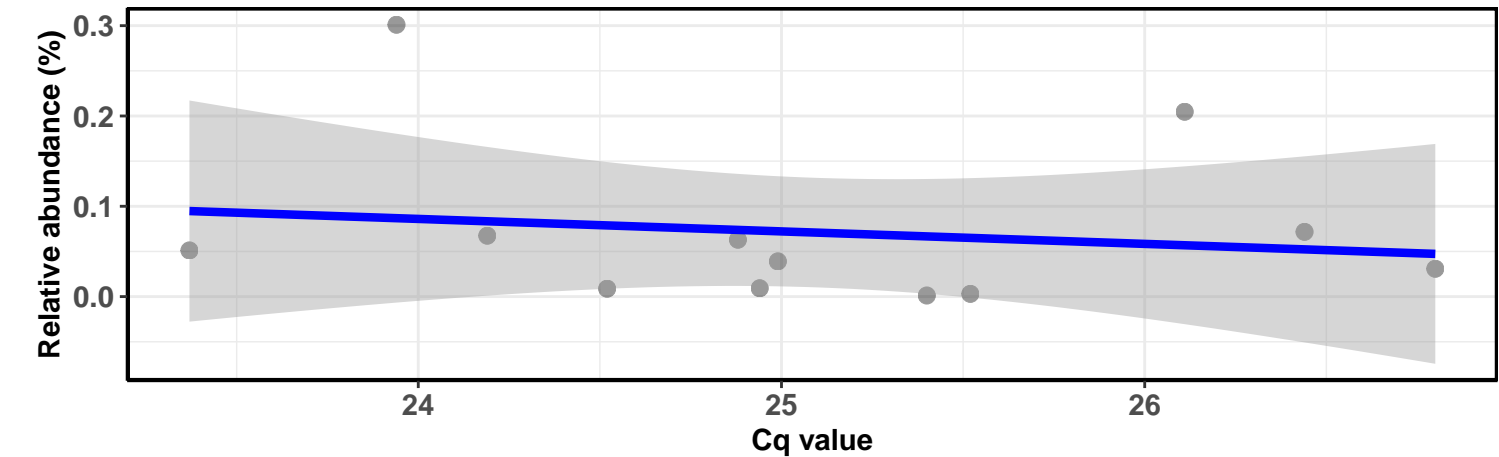
D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Corynebacteriales; D_4__Corynebacteriaceae; D_5__Corynebacterium 1; Ambiguous_taxa

Correlation with all samples

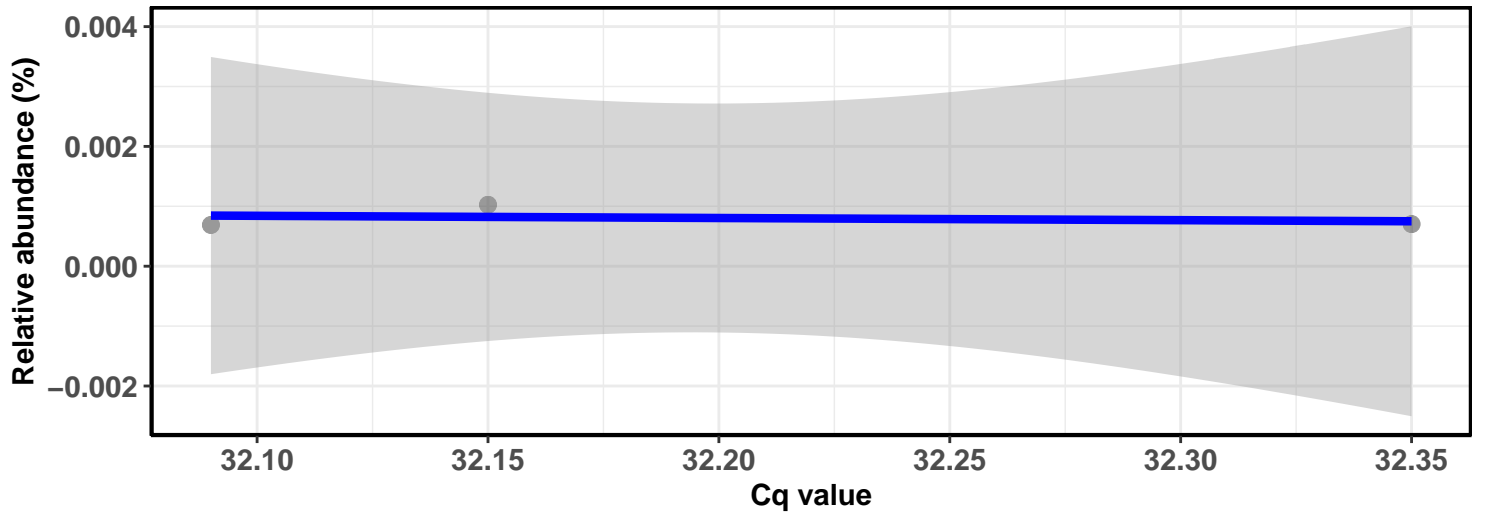


Correlation within the sample type: REF-DIC

$\log_e(S) = 5.817$, $p = 0.587$, $\rho_{\text{Spearman}} = -0.175$, $CI_{95\%} [-0.680, 0.444]$, $n = 12$

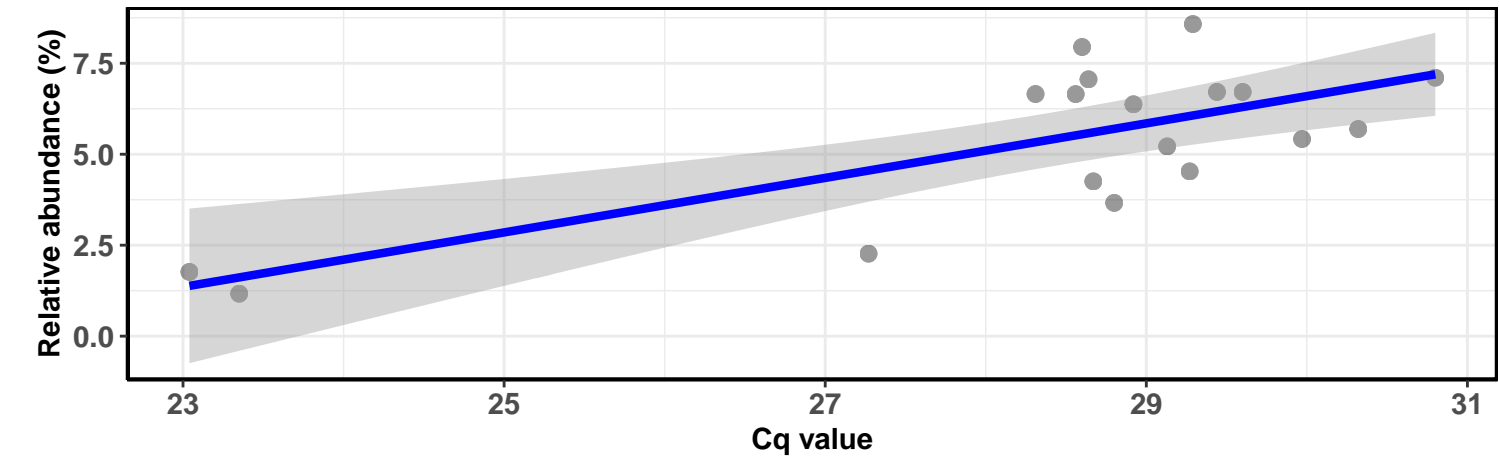


Correlation within the sample type: REF-DIM



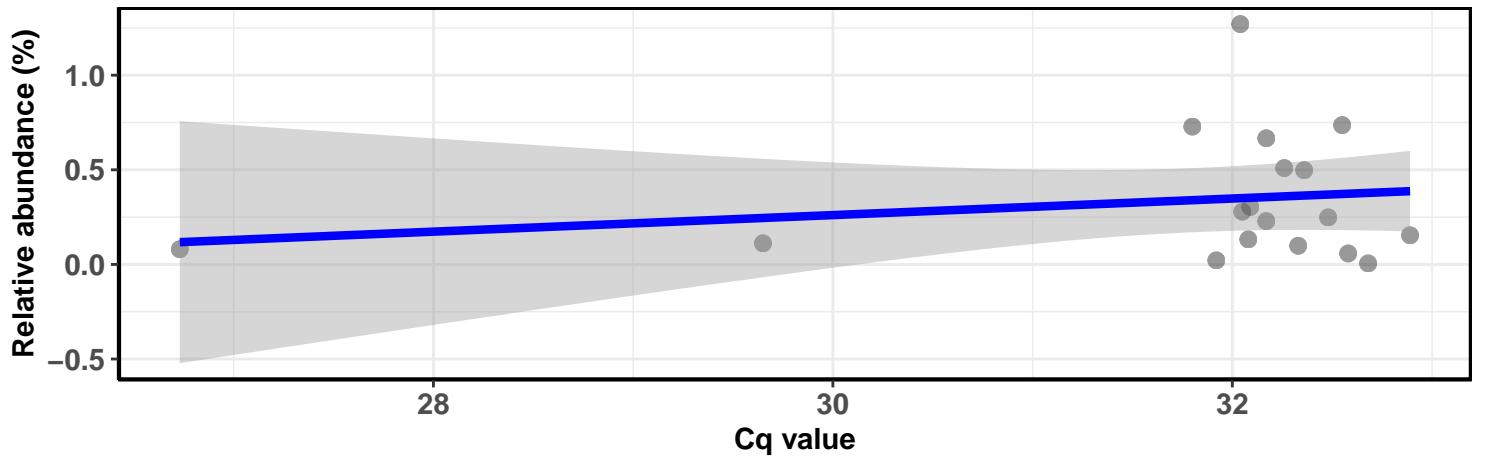
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.280$, $p = 0.062$, $\rho_{\text{Spearman}} = 0.449$, $CI_{95\%} [-0.023, 0.757]$, $n = 18$



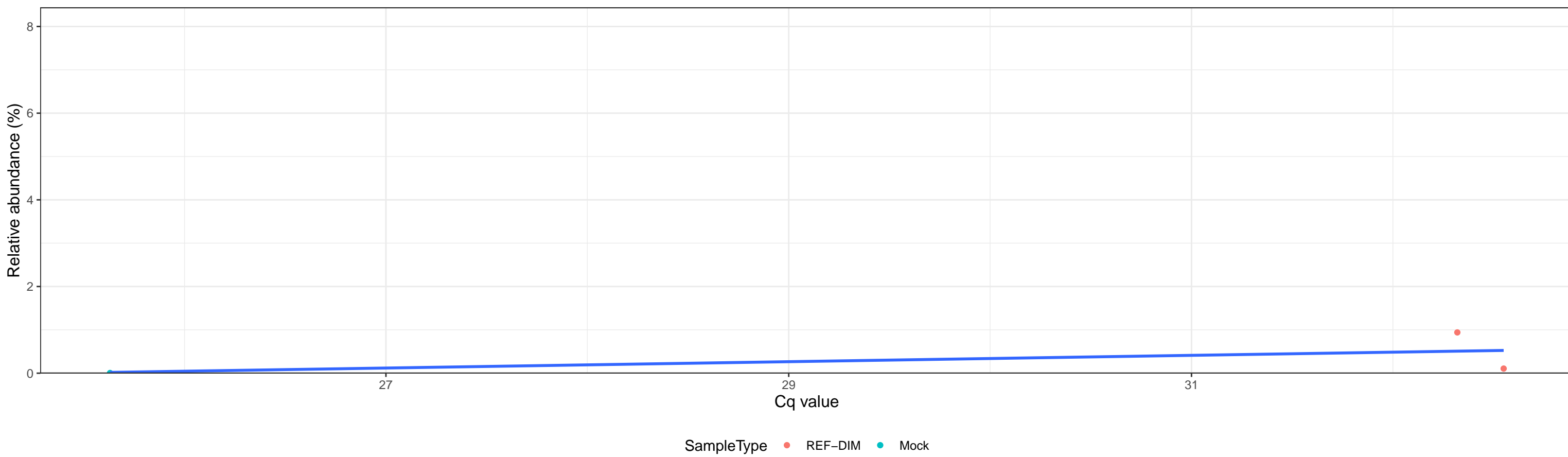
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.949$, $p = 0.766$, $\rho_{\text{Spearman}} = -0.075$, $CI_{95\%} [-0.524, 0.406]$, $n = 18$

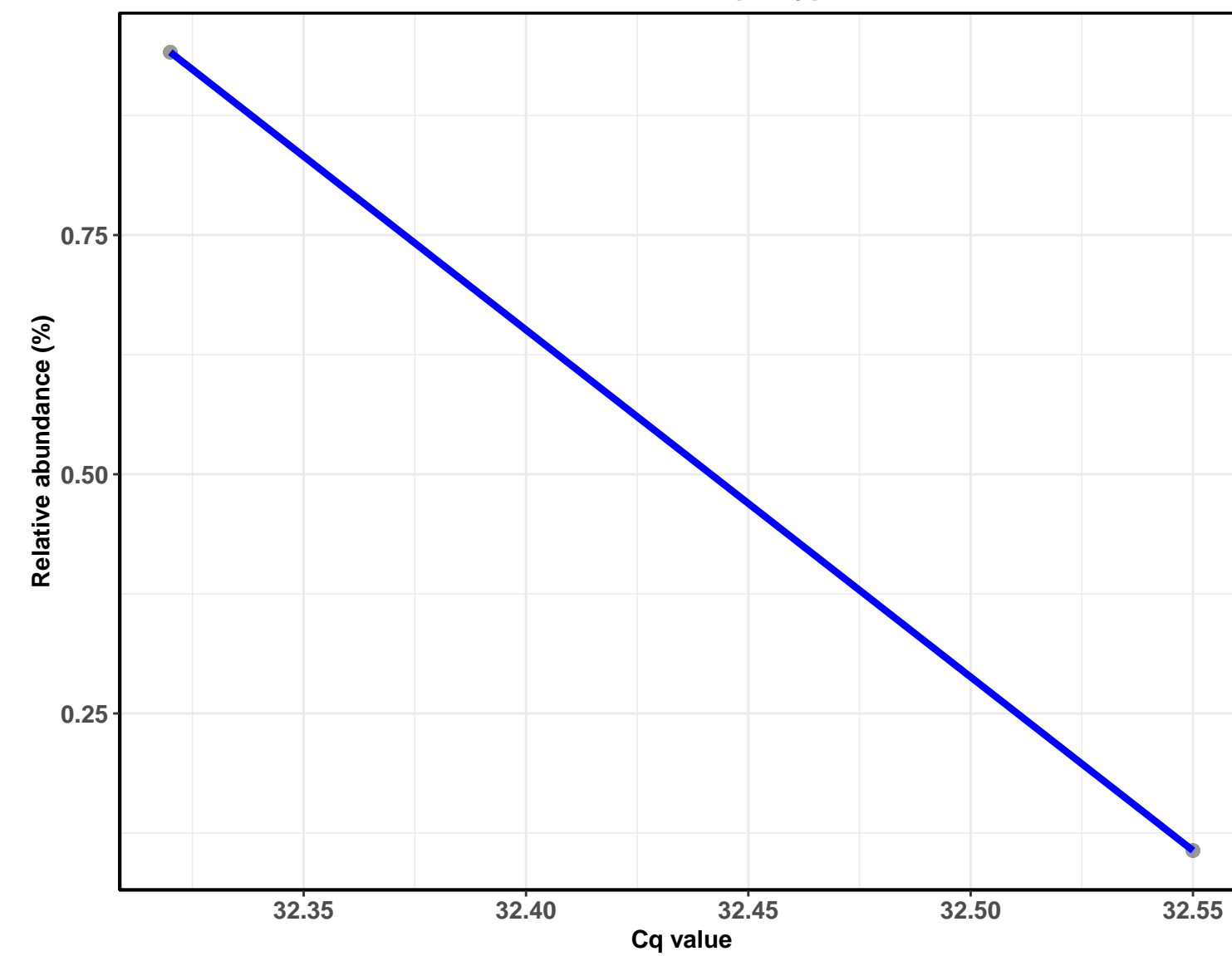


D_0__Bacteria; D_1__Cyanobacteria; D_2__Melainabacteria; D_3__Obscuribacterales; Ambiguous_taxa; Ambiguous_taxa; Ambiguous_taxa

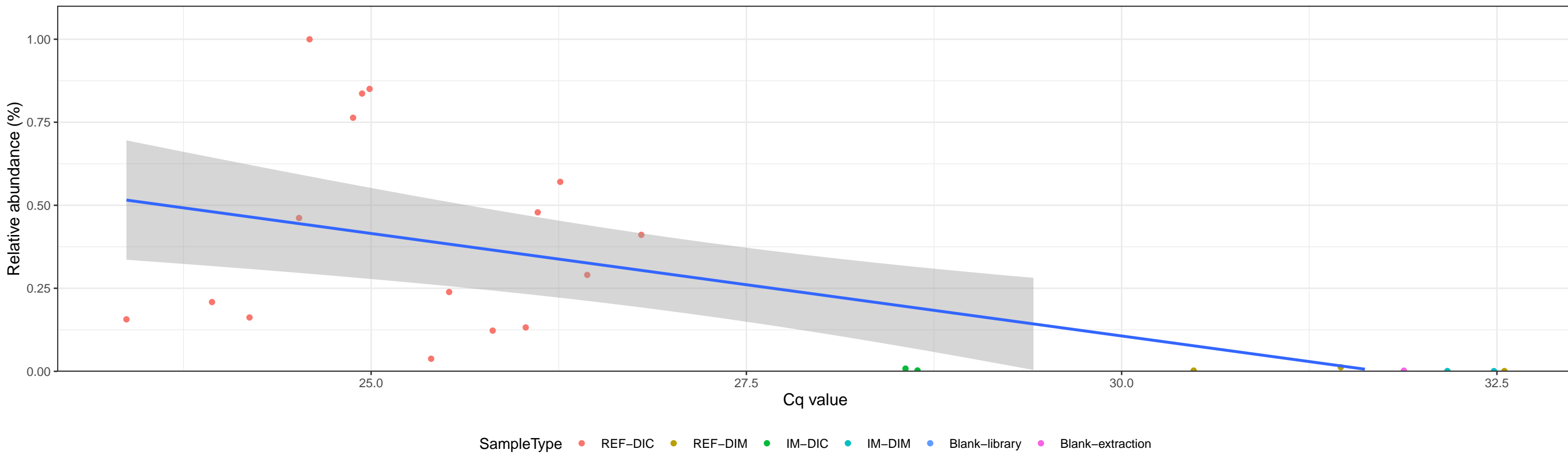
Correlation with all samples



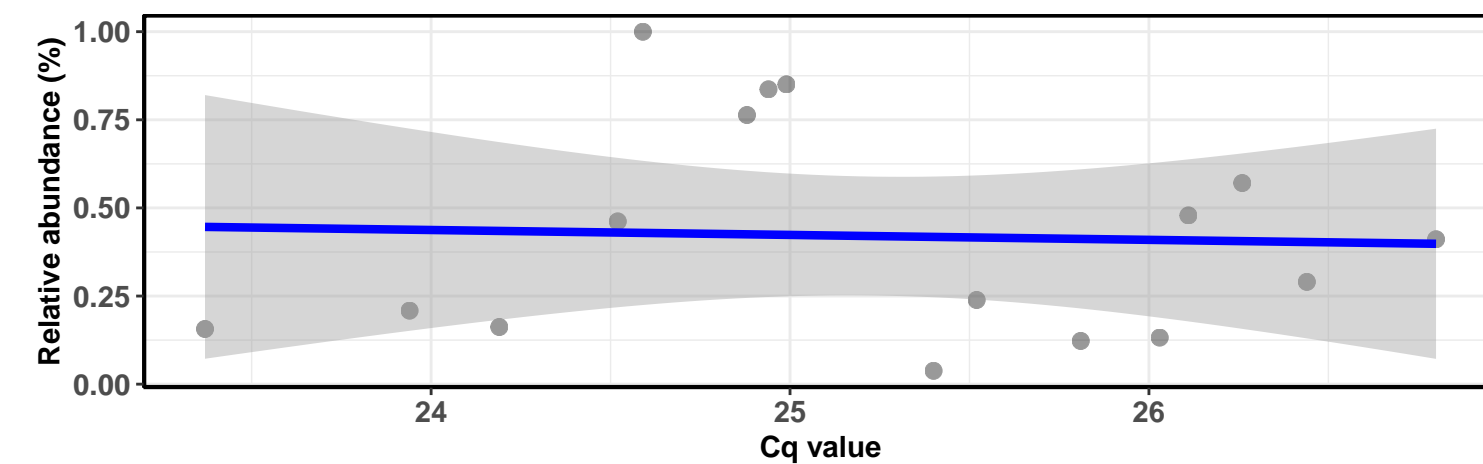
Correlation within the sample type: REF-DIM



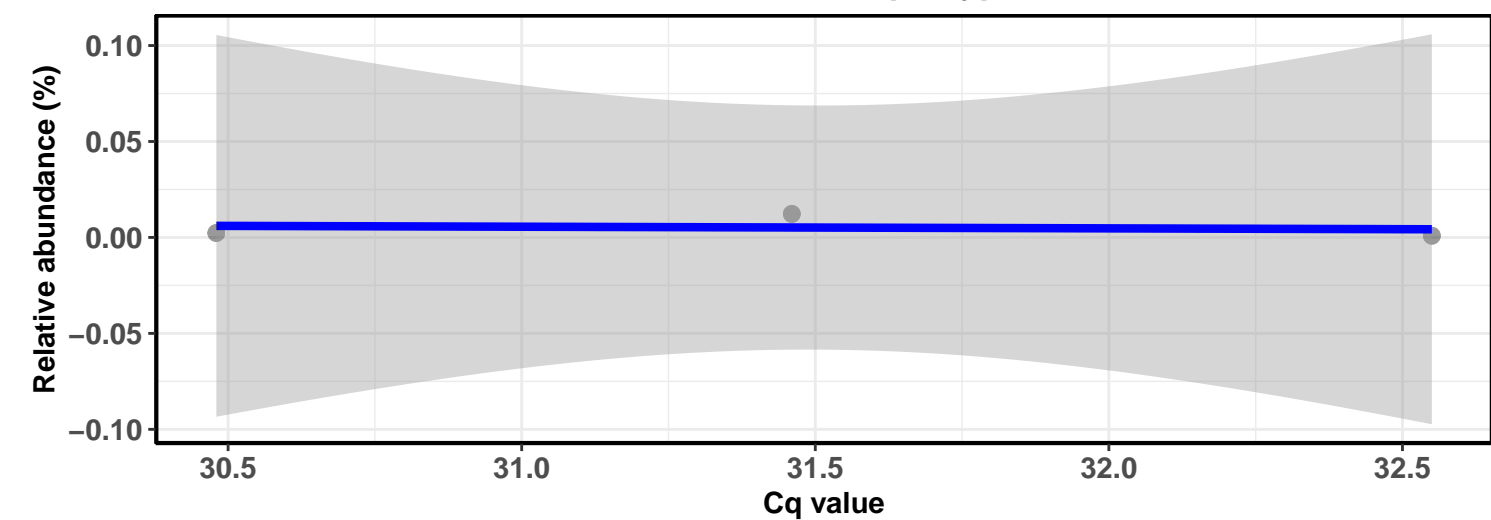
Correlation with all samples



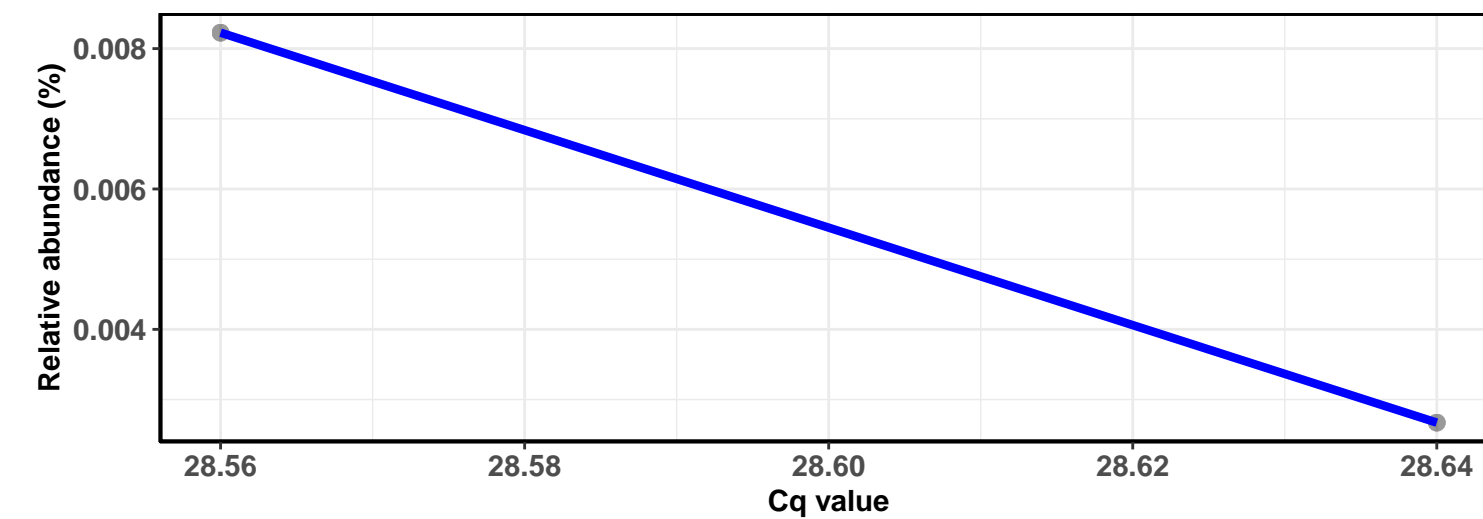
Correlation within the sample type: REF-DIC

 $\log_e(S) = 6.513$, $p = 0.974$, $\rho_{\text{Spearman}} = 0.009$, $CI_{95\%} [-0.489, 0.502]$, $n = 16$ 

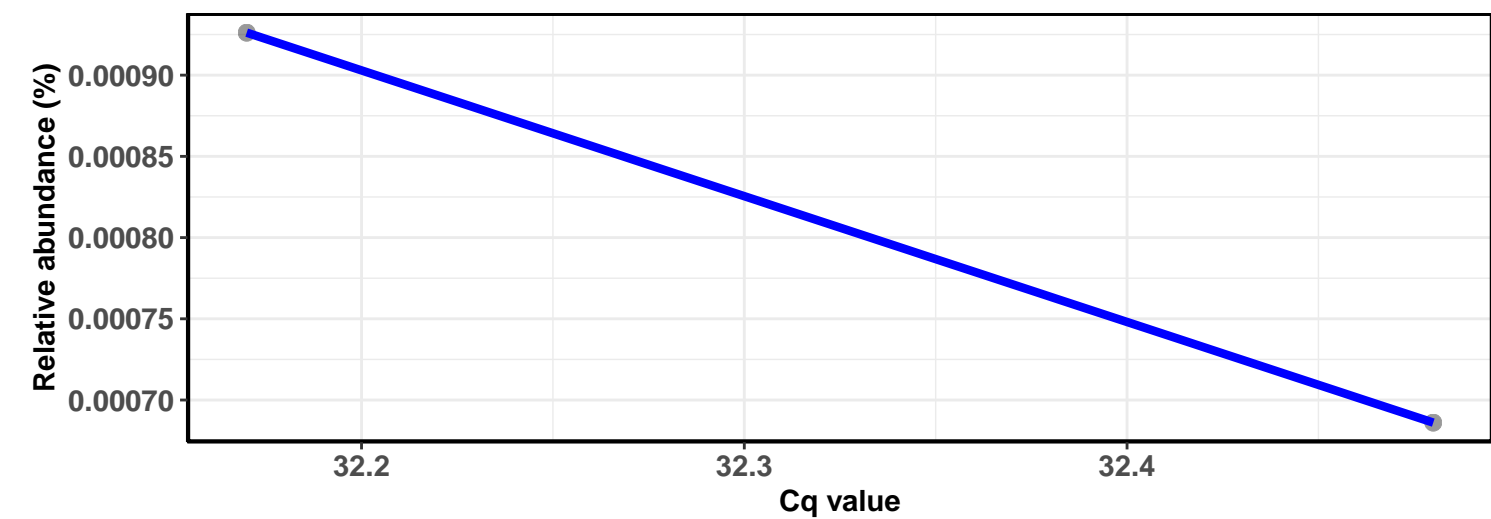
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

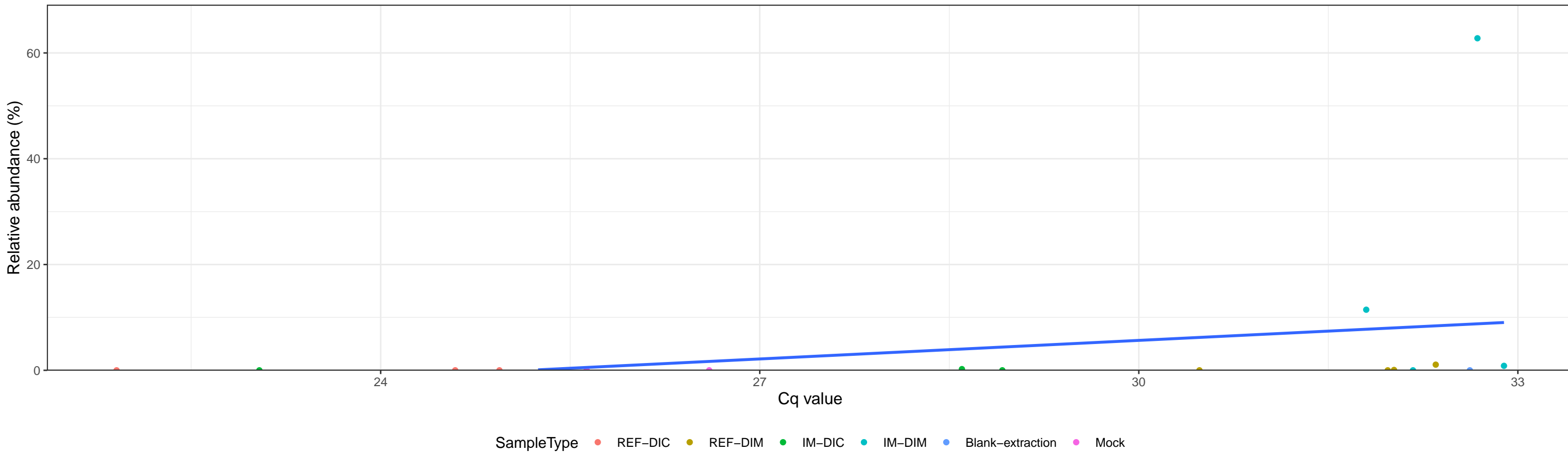


Correlation within the sample type: IM-DIM

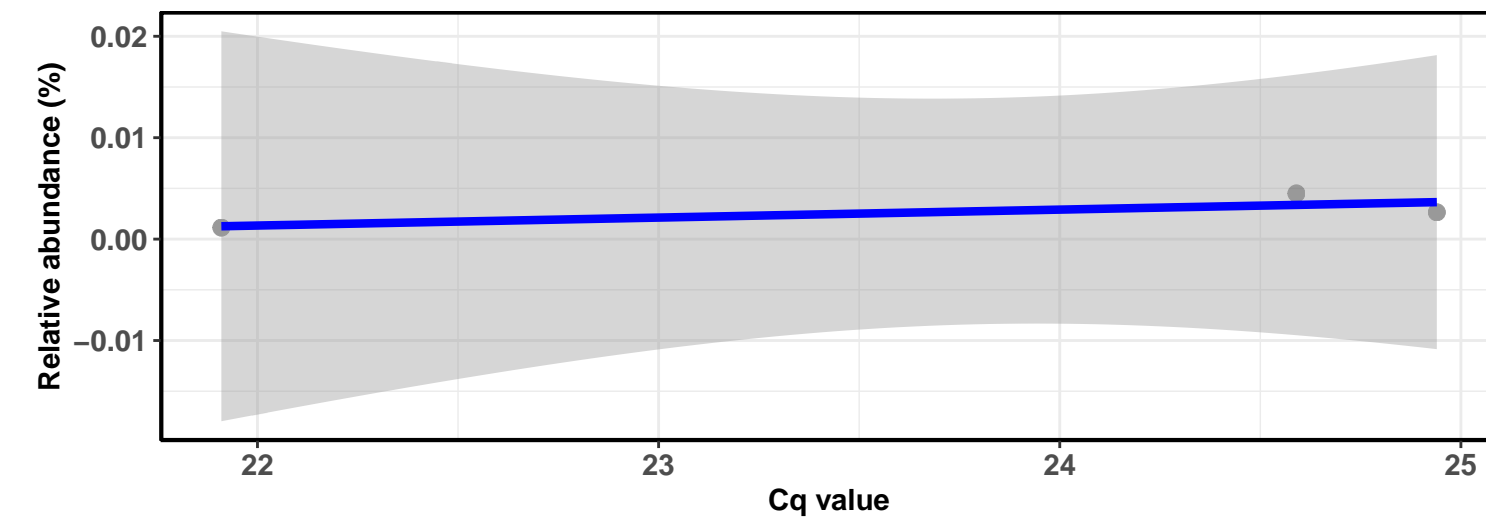


D_0__Bacteria; D_1__Tenericutes; D_2__Mollicutes; D_3__Mycoplasmatales; D_4__Mycoplasmataceae; D_5__Mycoplasma; D_6__uncultured Mycoplasma sp.

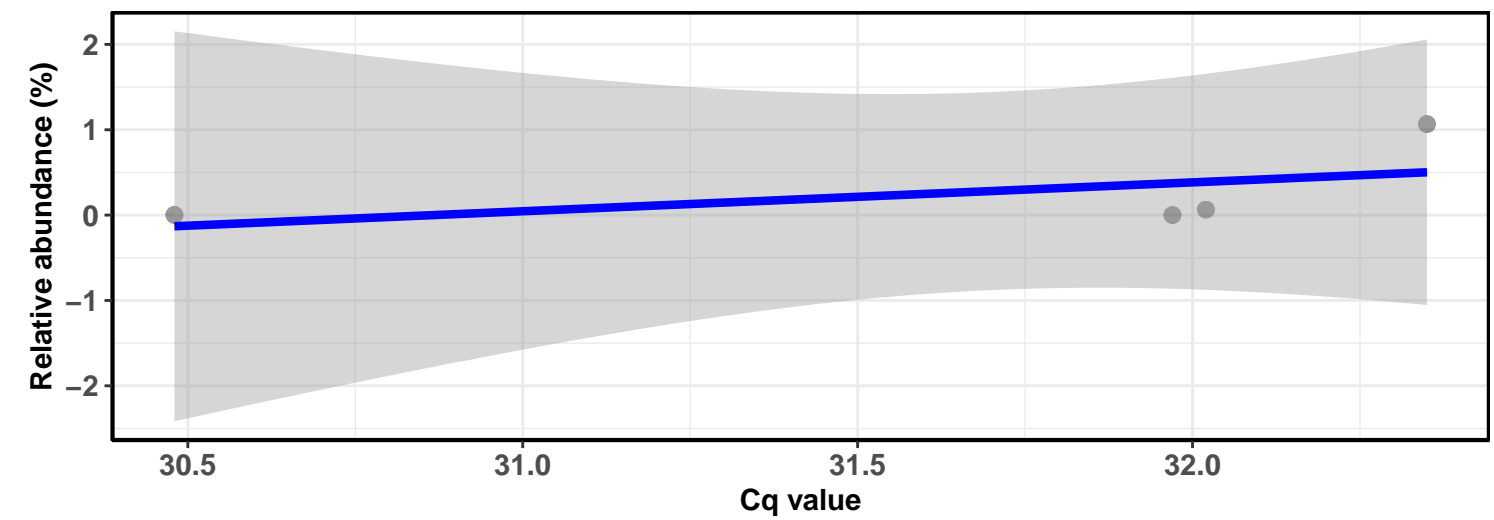
Correlation with all samples



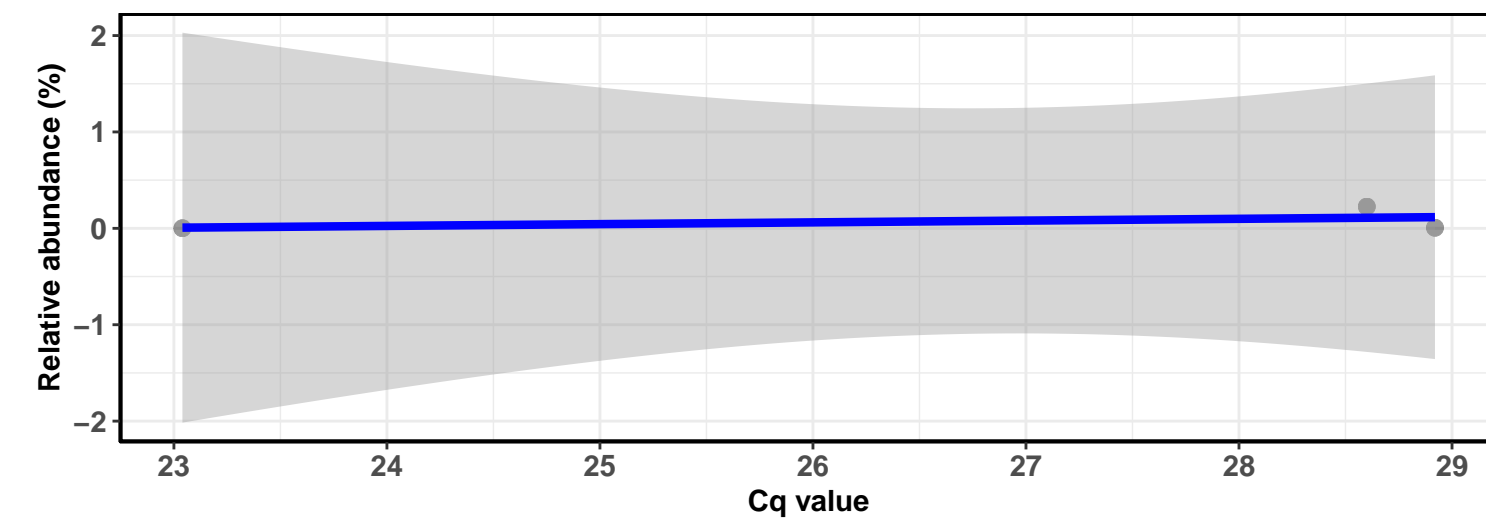
Correlation within the sample type: REF-DIC



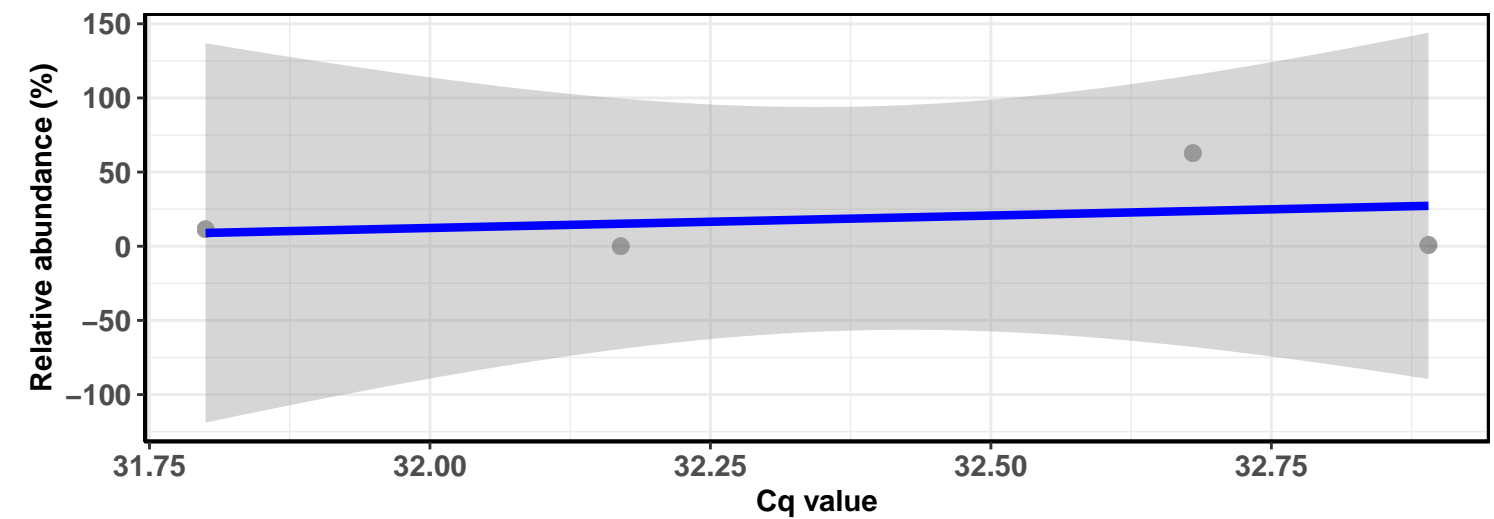
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

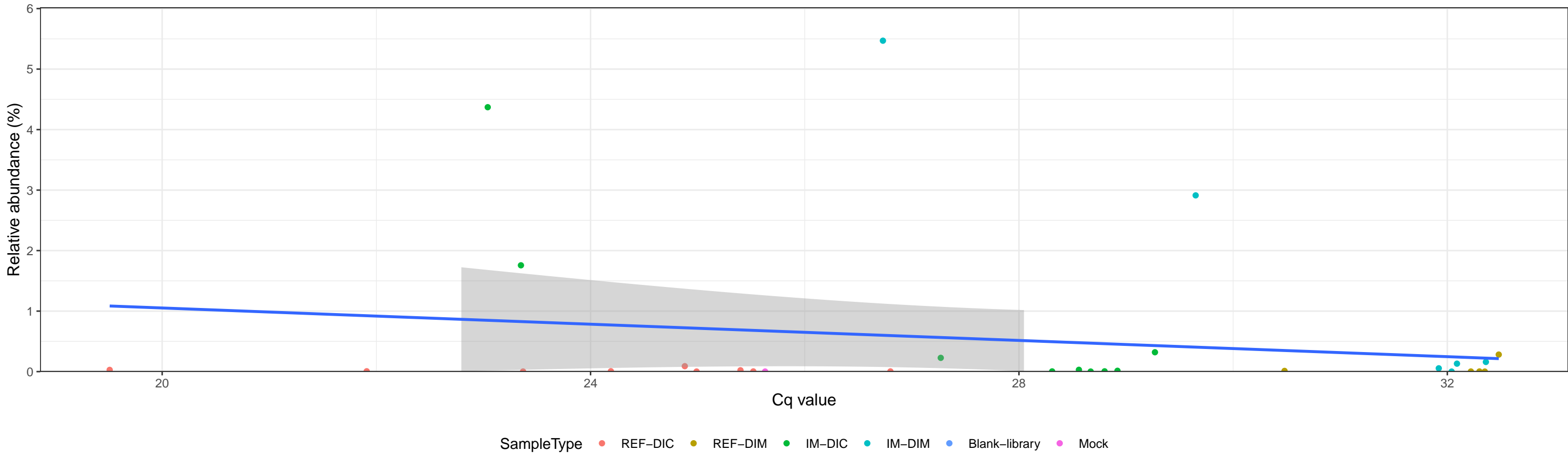


Correlation within the sample type: IM-DIM



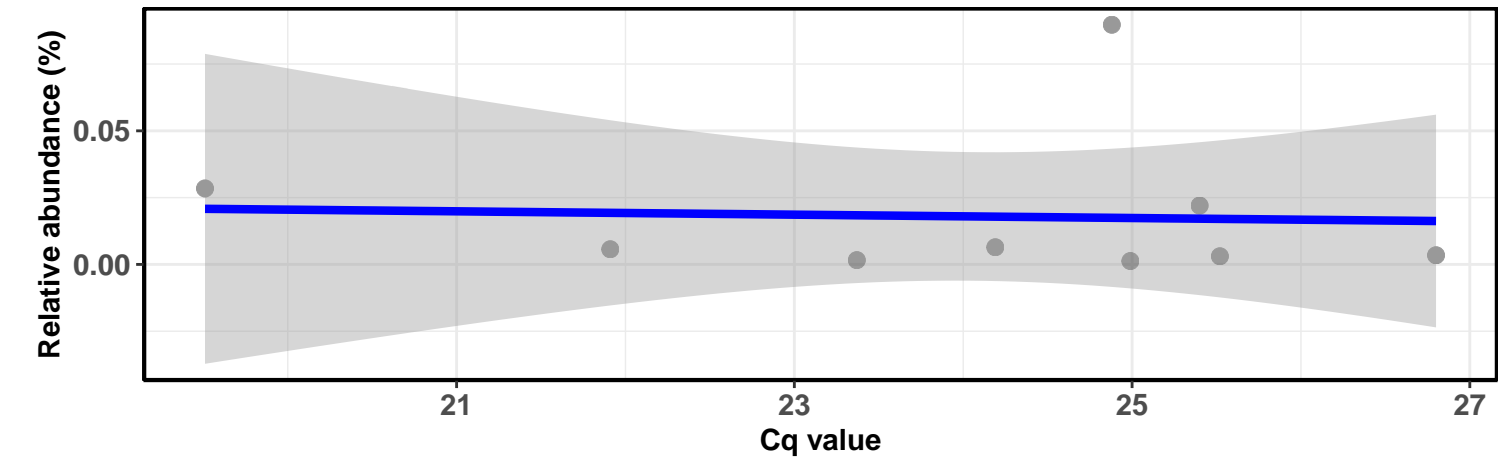
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Aliivibrio; D_6__uncultured bacterium

Correlation with all samples

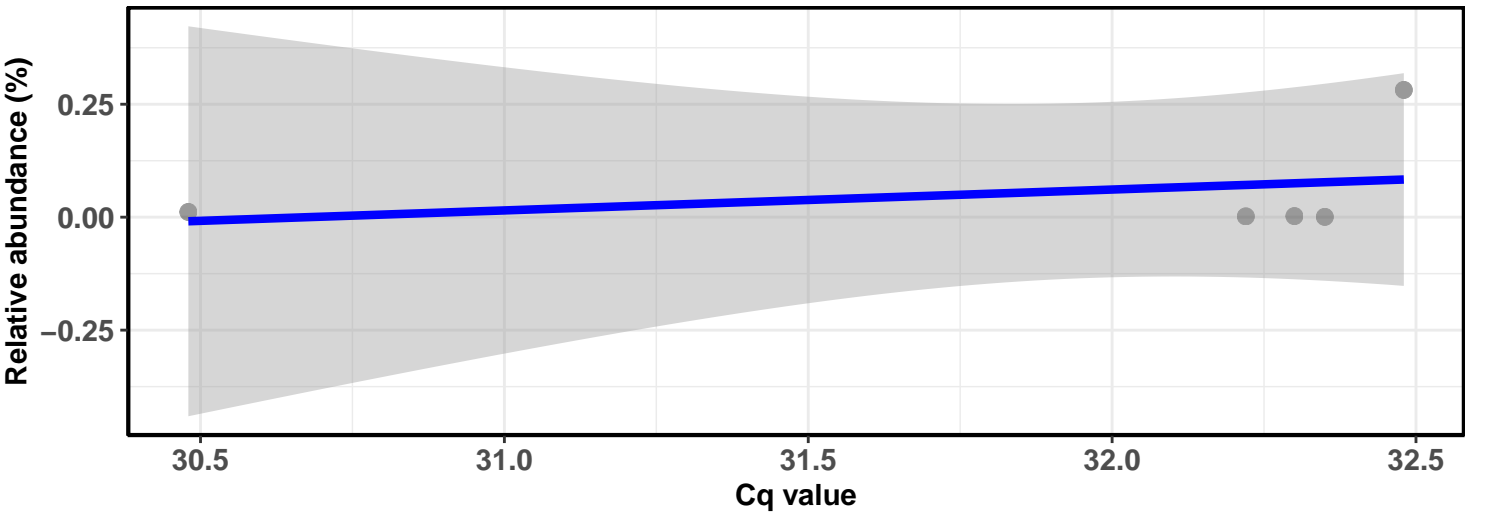


Correlation within the sample type: REF-DIC

$\log_e(S) = 5.037$, $p = 0.460$, $\rho_{\text{Spearman}} = -0.283$, $CI_{95\%} [-0.797, 0.469]$, $n = 9$

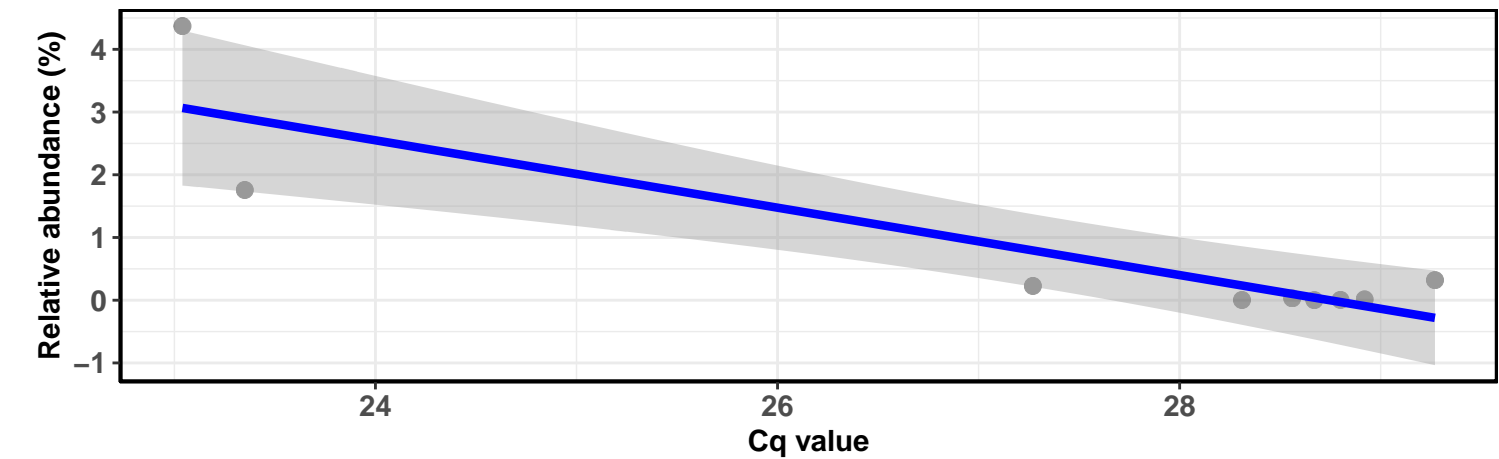


Correlation within the sample type: REF-DIM



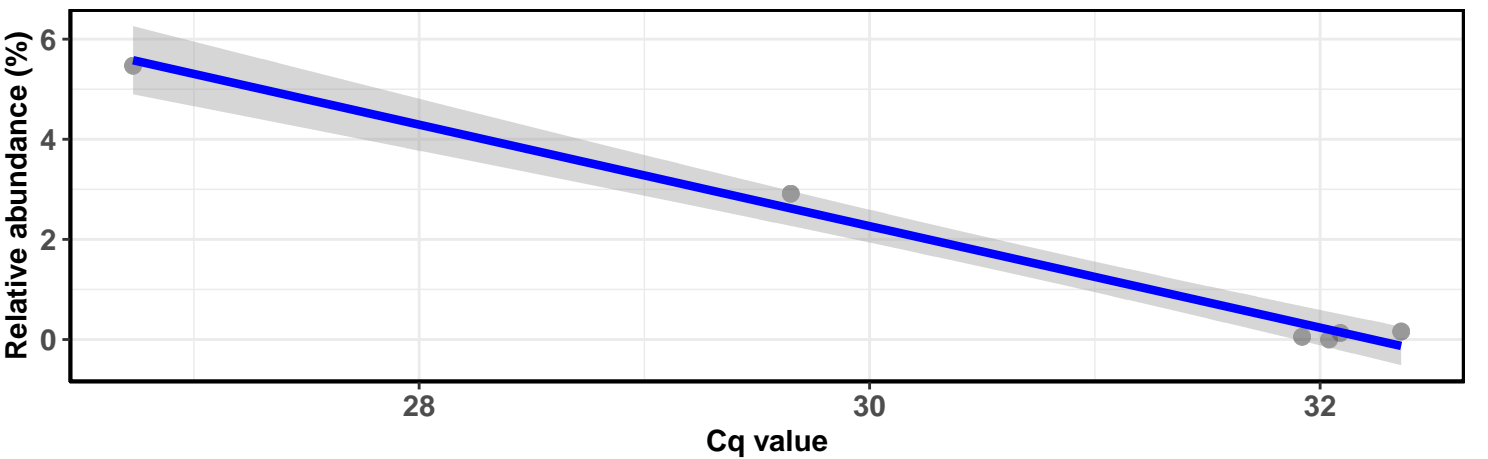
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.159$, $p = 0.224$, $\rho_{\text{Spearman}} = -0.450$, $CI_{95\%} [-0.858, 0.305]$, $n = 9$



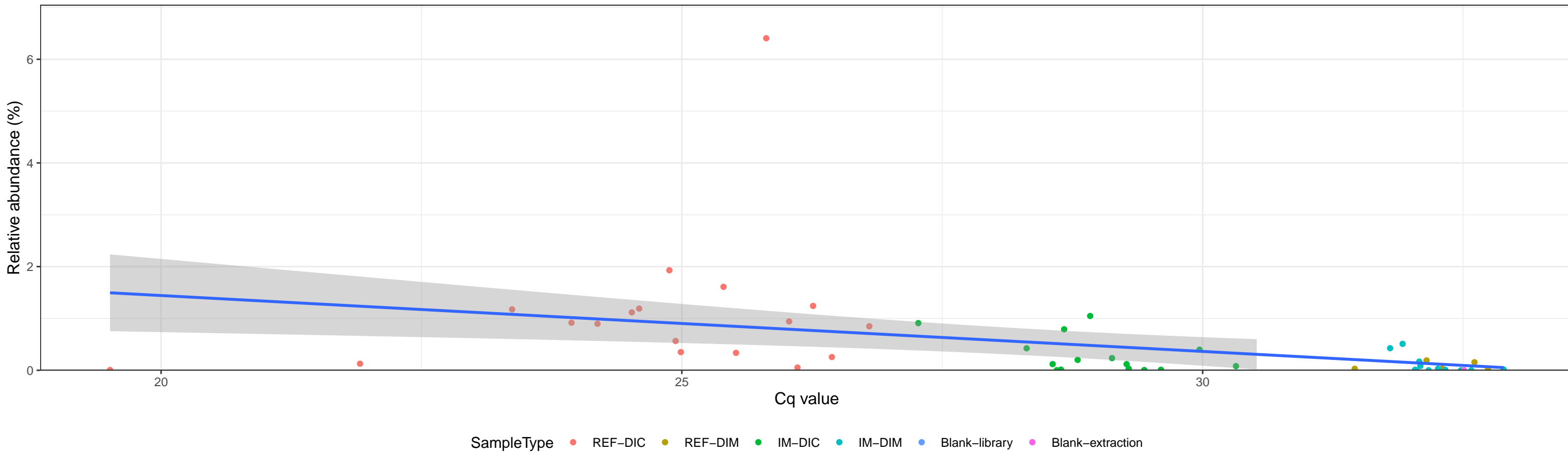
Correlation within the sample type: IM-DIM

$\log_e(S) = 3.951$, $p = 0.329$, $\rho_{\text{Spearman}} = -0.486$, $CI_{95\%} [-0.930, 0.538]$, $n = 6$



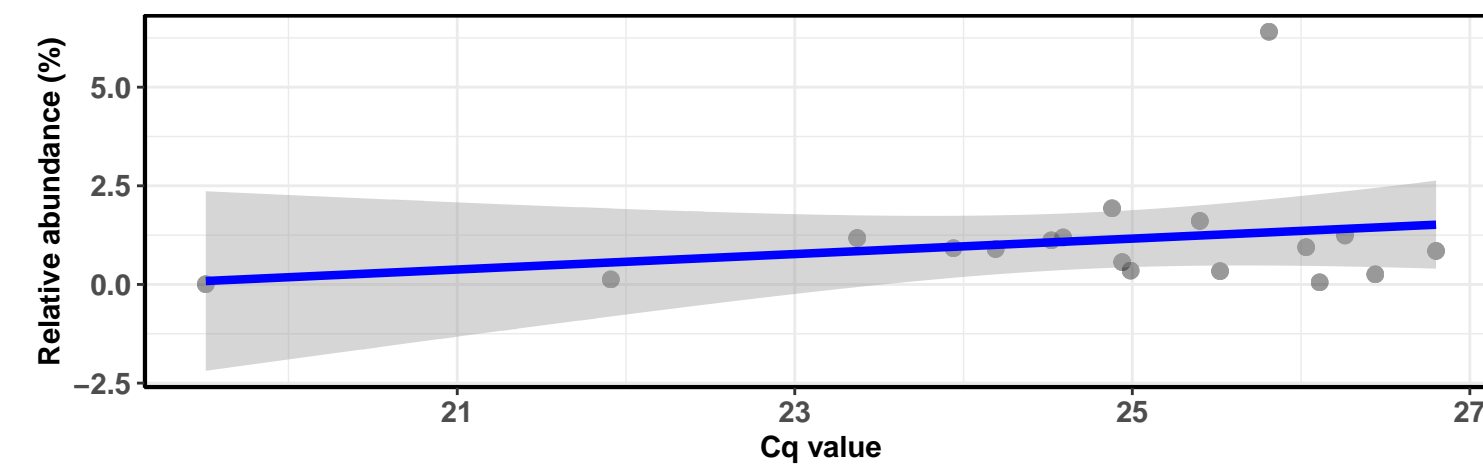
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Photobacterium

Correlation with all samples

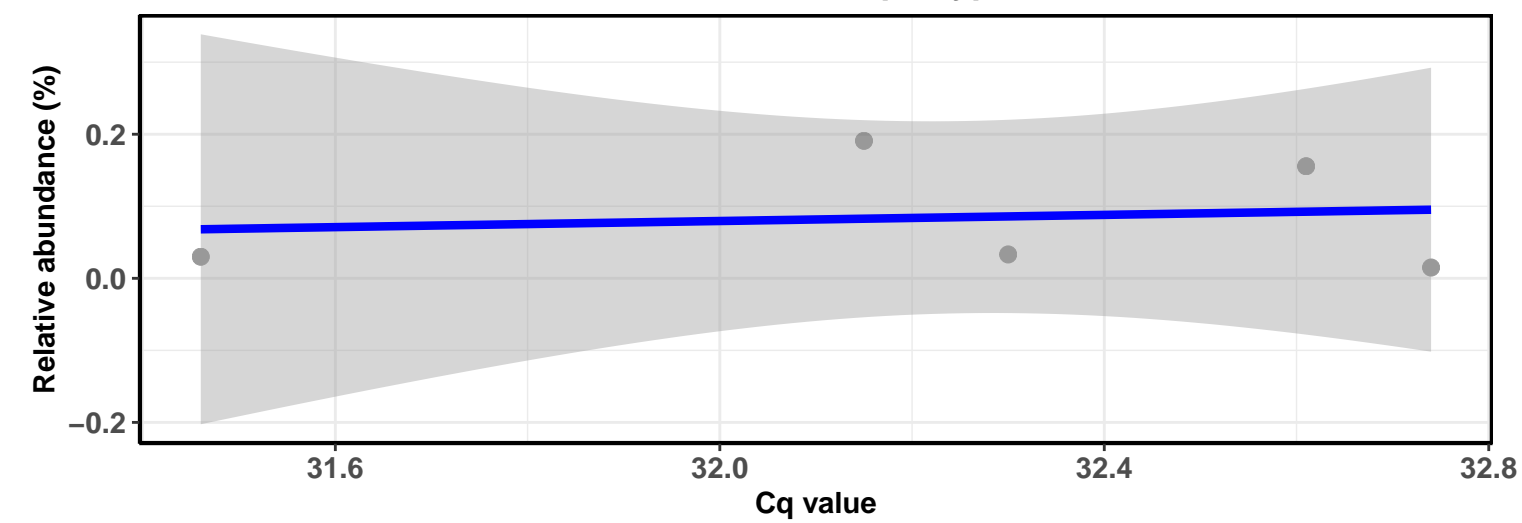


Correlation within the sample type: REF-DIC

$\log_e(S) = 6.787$, $p = 0.735$, $\rho_{\text{Spearman}} = 0.086$, $CI_{95\%} [-0.397, 0.531]$, $n = 18$

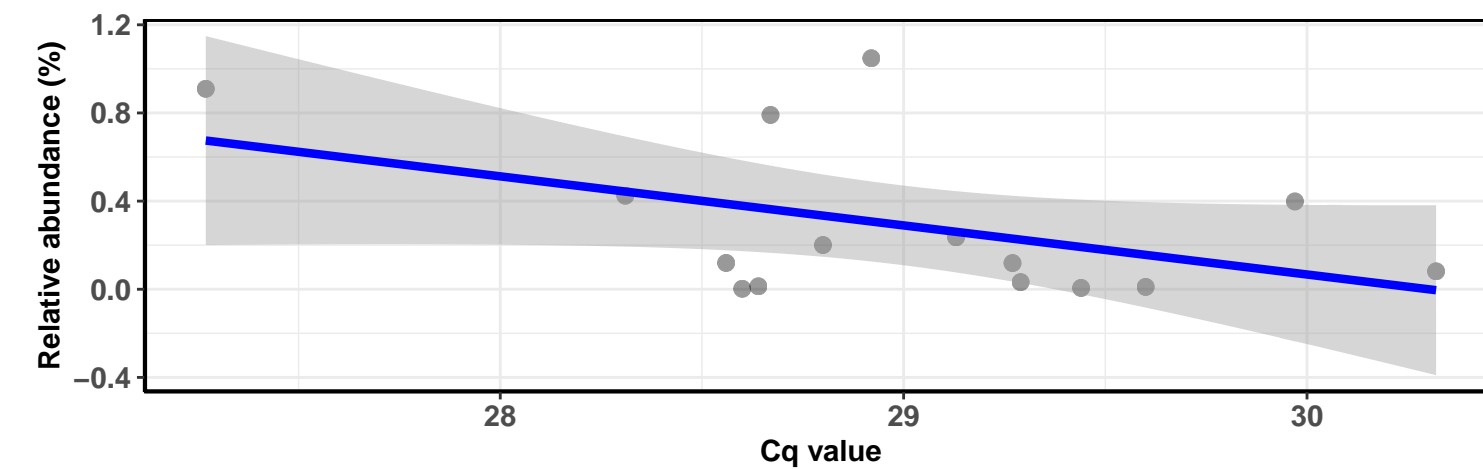


Correlation within the sample type: REF-DIM



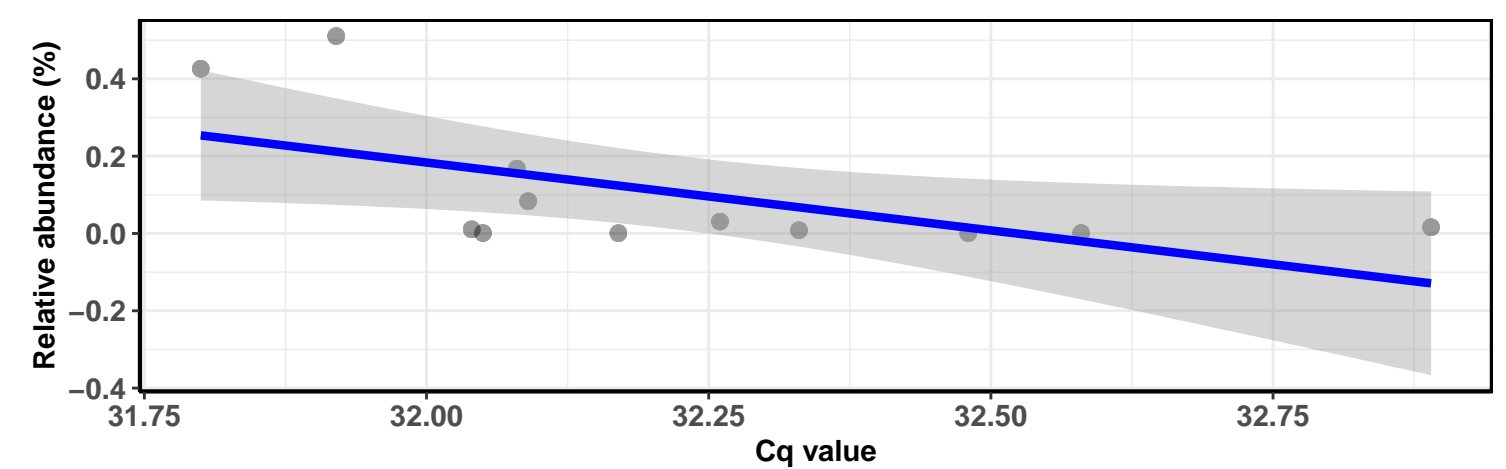
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.609$, $p = 0.237$, $\rho_{\text{Spearman}} = -0.325$, $CI_{95\%} [-0.718, 0.225]$, $n = 15$



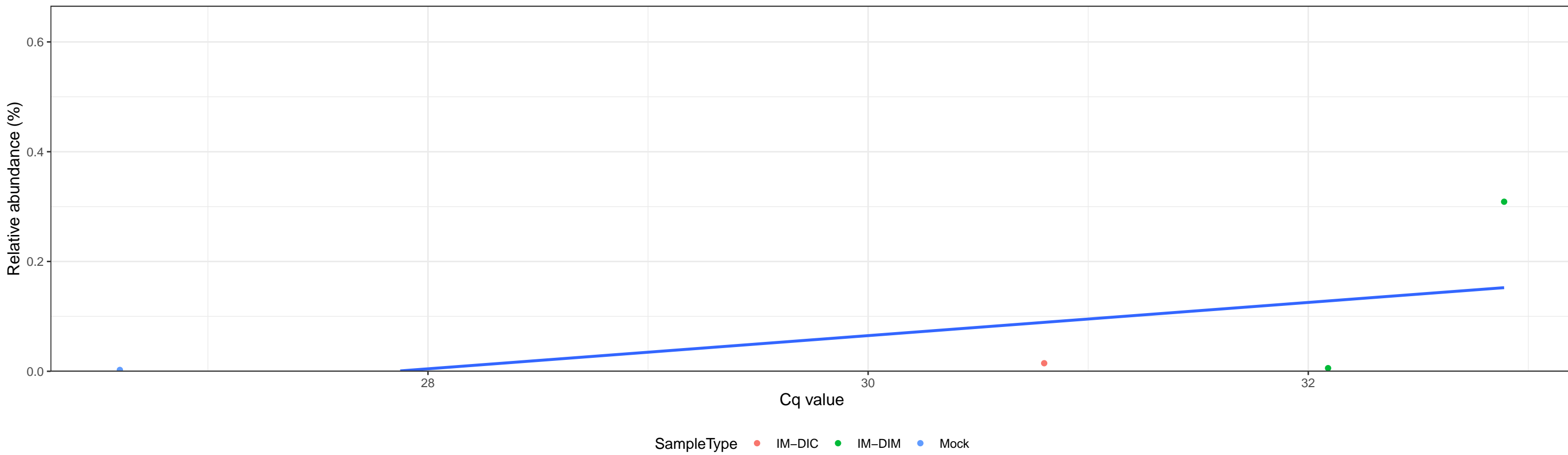
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.087$, $p = 0.071$, $\rho_{\text{Spearman}} = -0.538$, $CI_{95\%} [-0.850, 0.051]$, $n = 12$

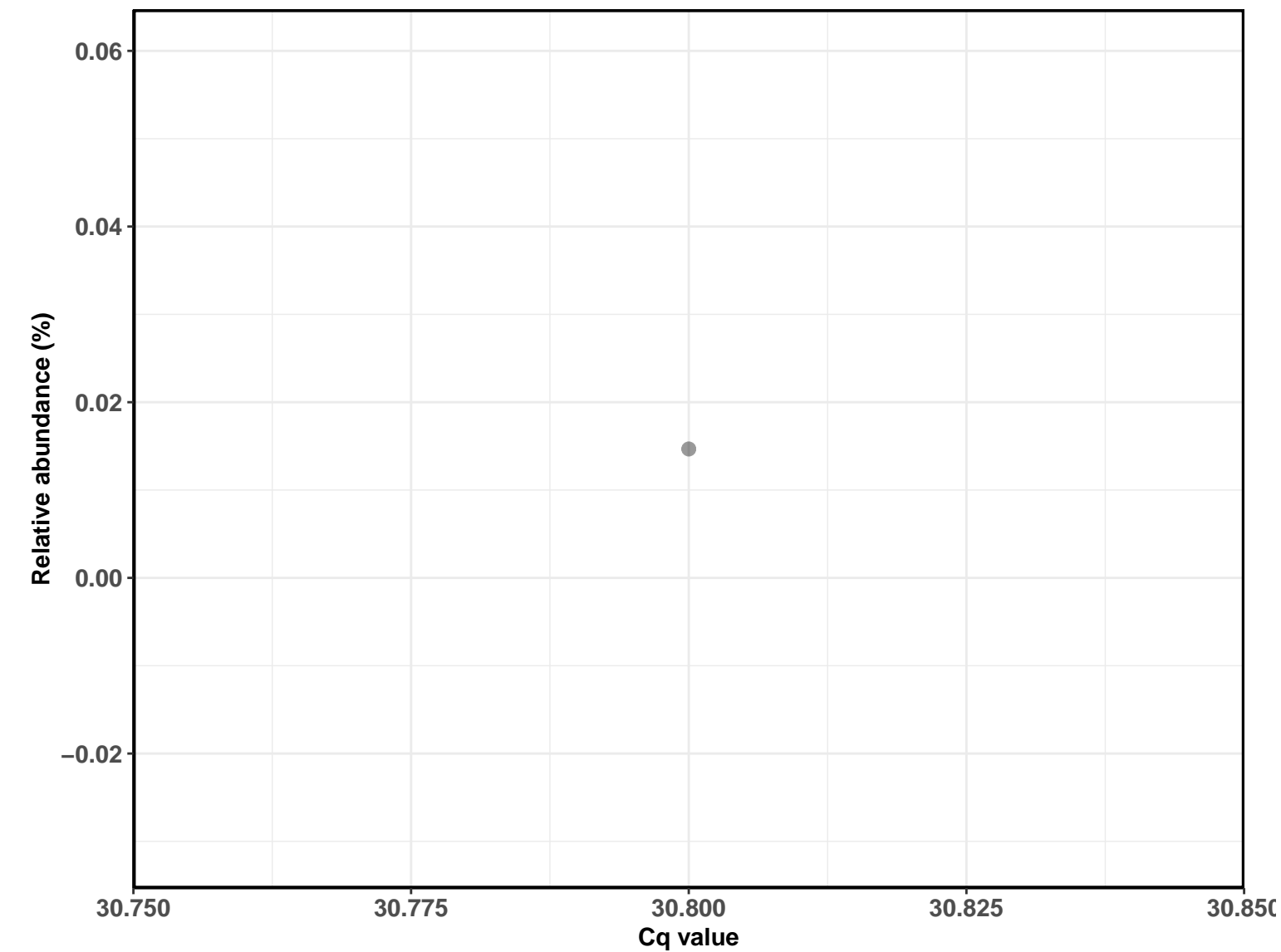


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Micrococcales; D_4__Micrococcaceae; D_5__Arthrobacter; Ambiguous_taxa

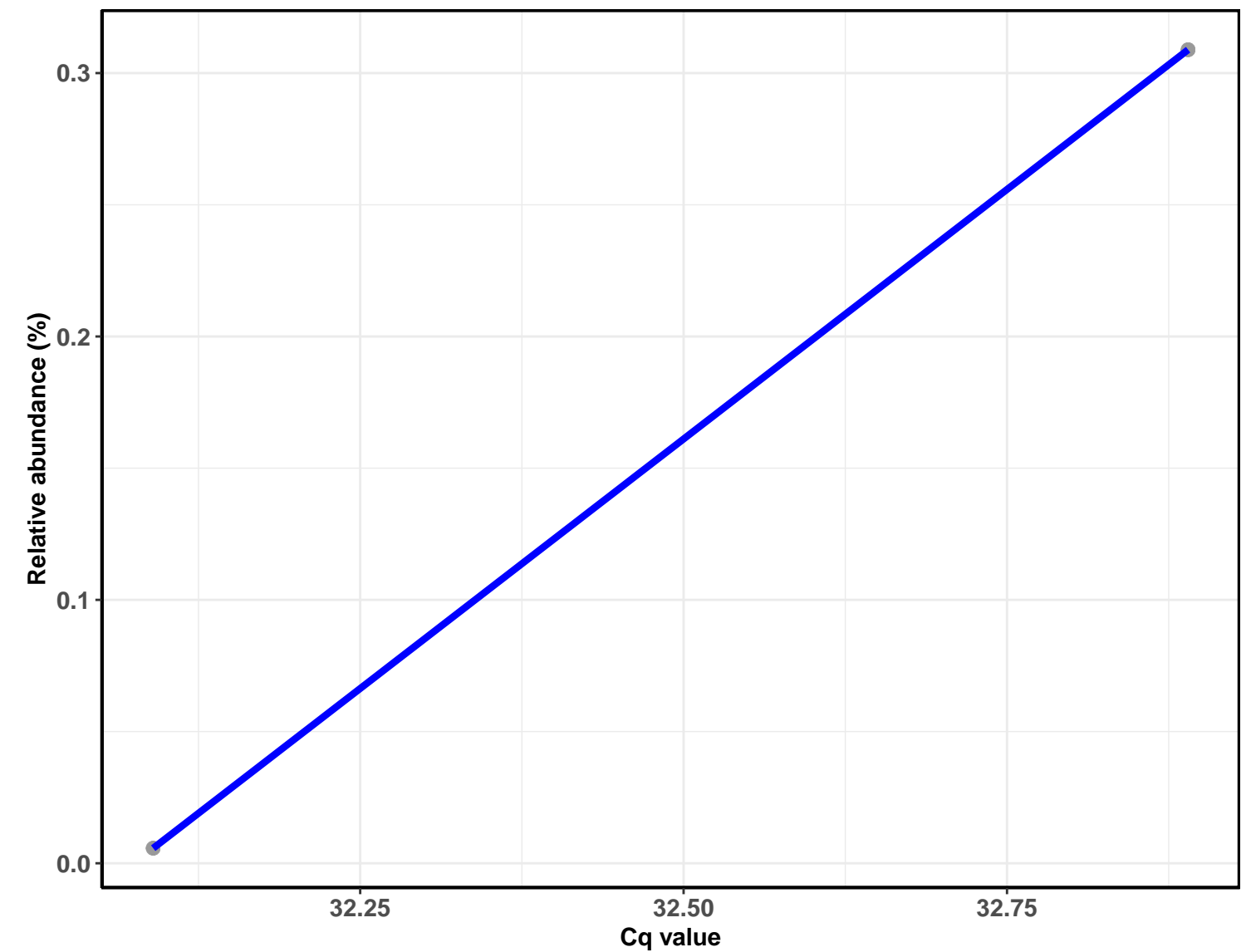
Correlation with all samples



Correlation within the sample type: IM-DIC

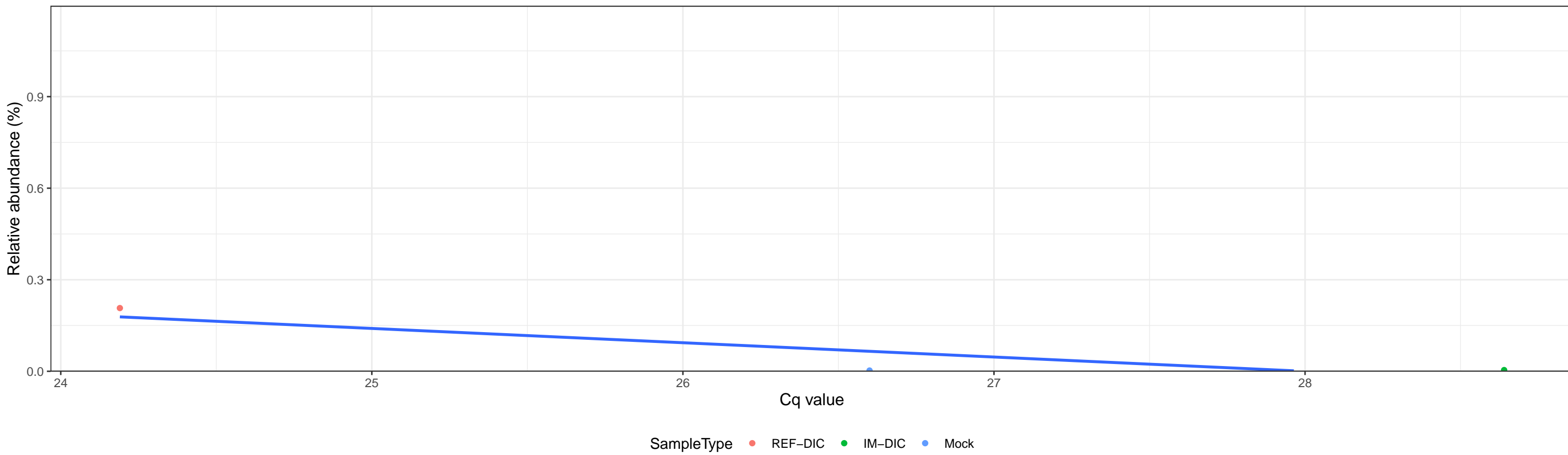


Correlation within the sample type: IM-DIM

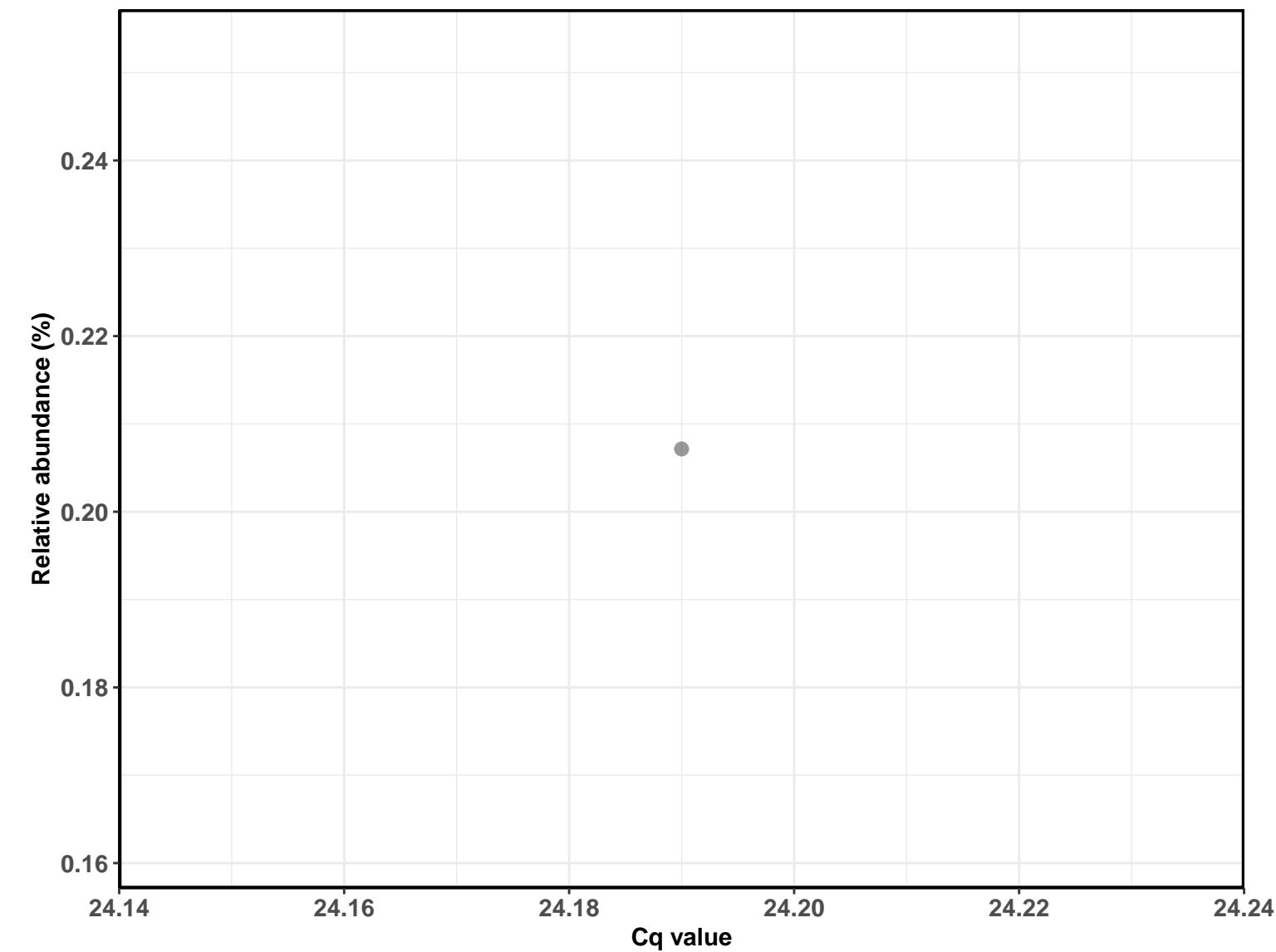


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

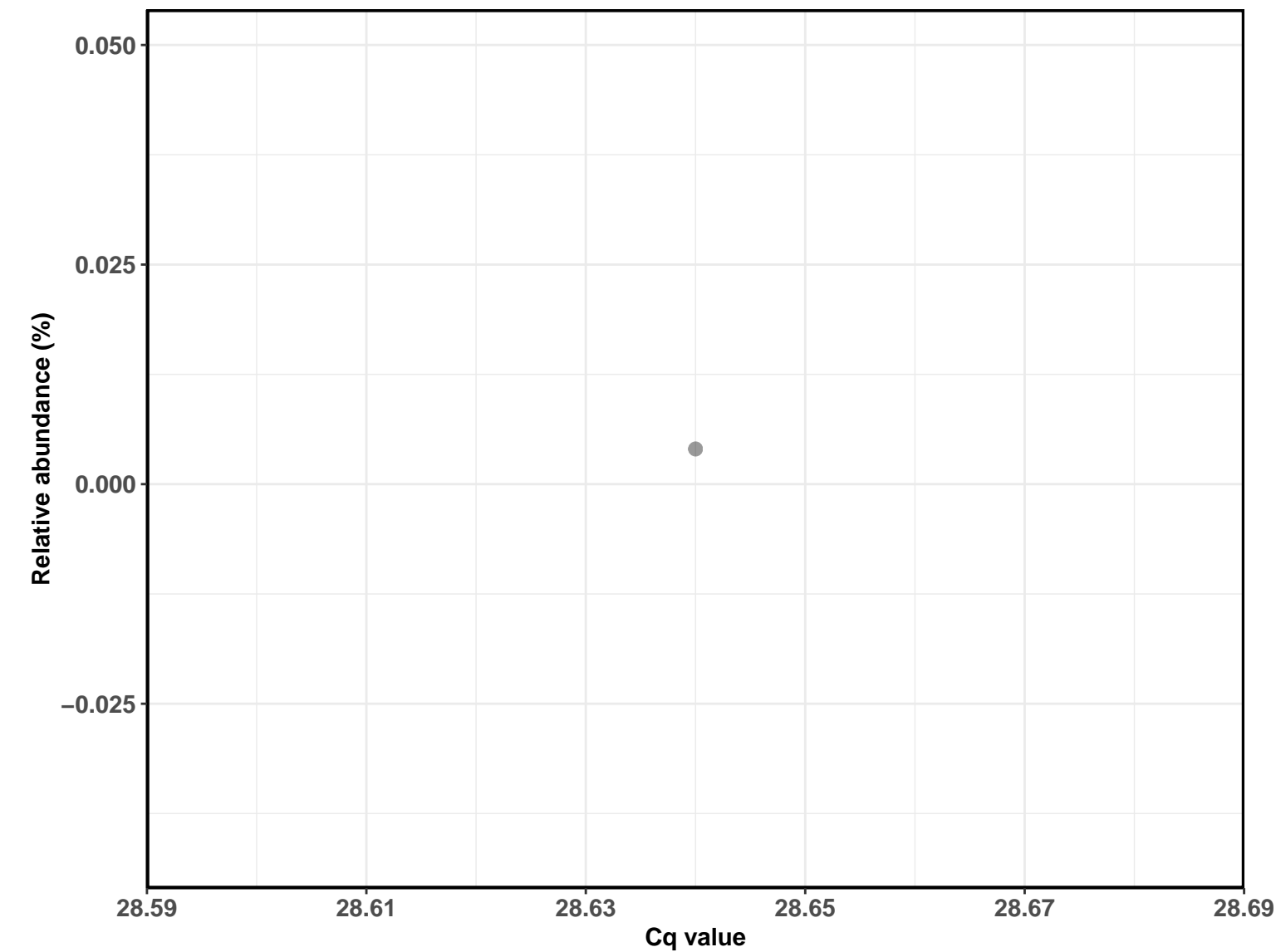
Correlation with all samples



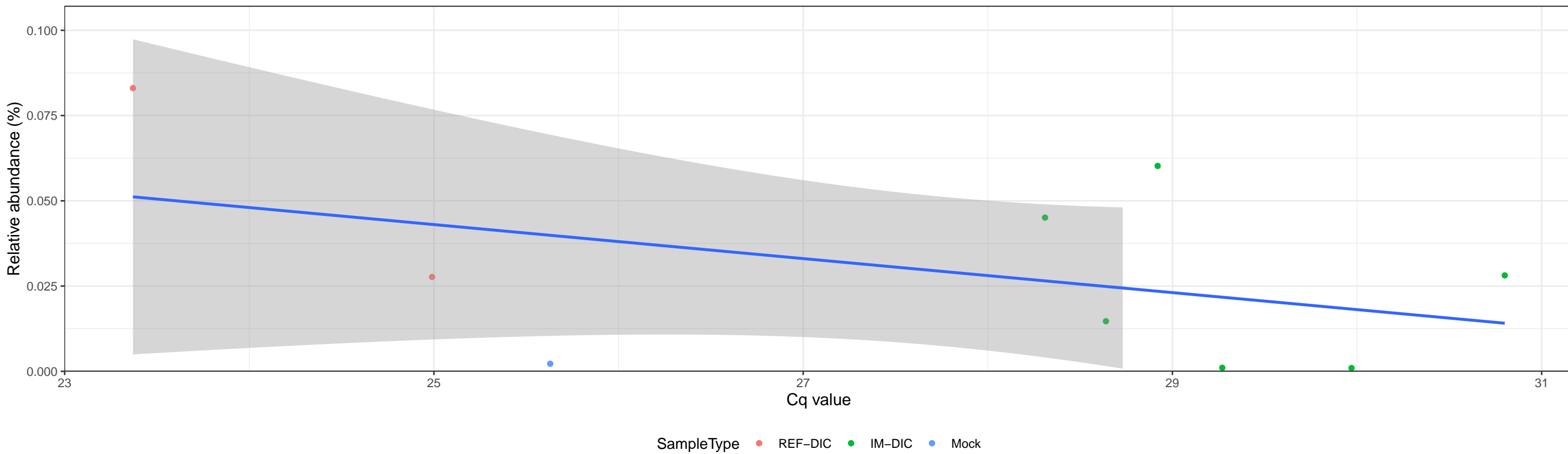
Correlation within the sample type: REF-DIC



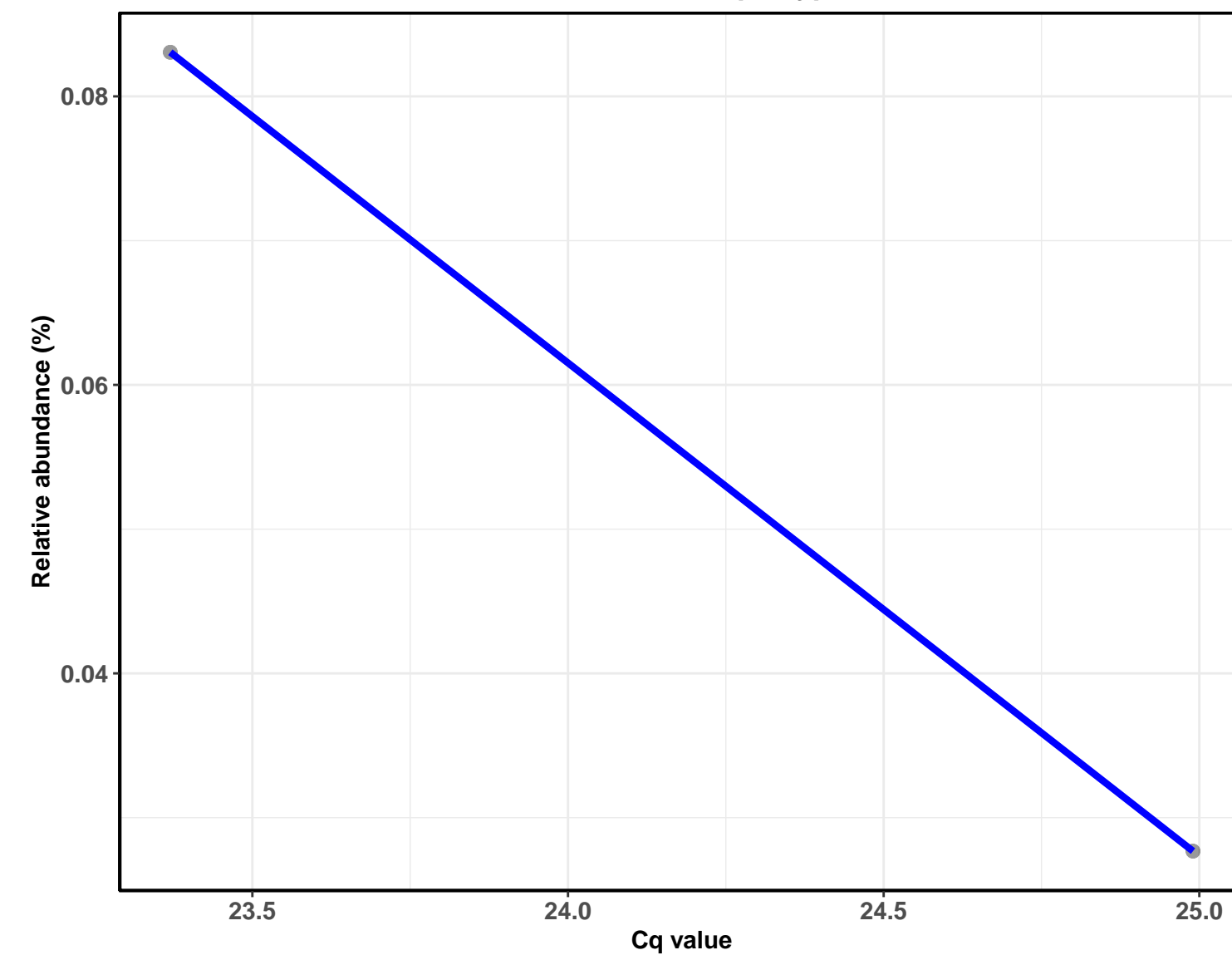
Correlation within the sample type: IM-DIC



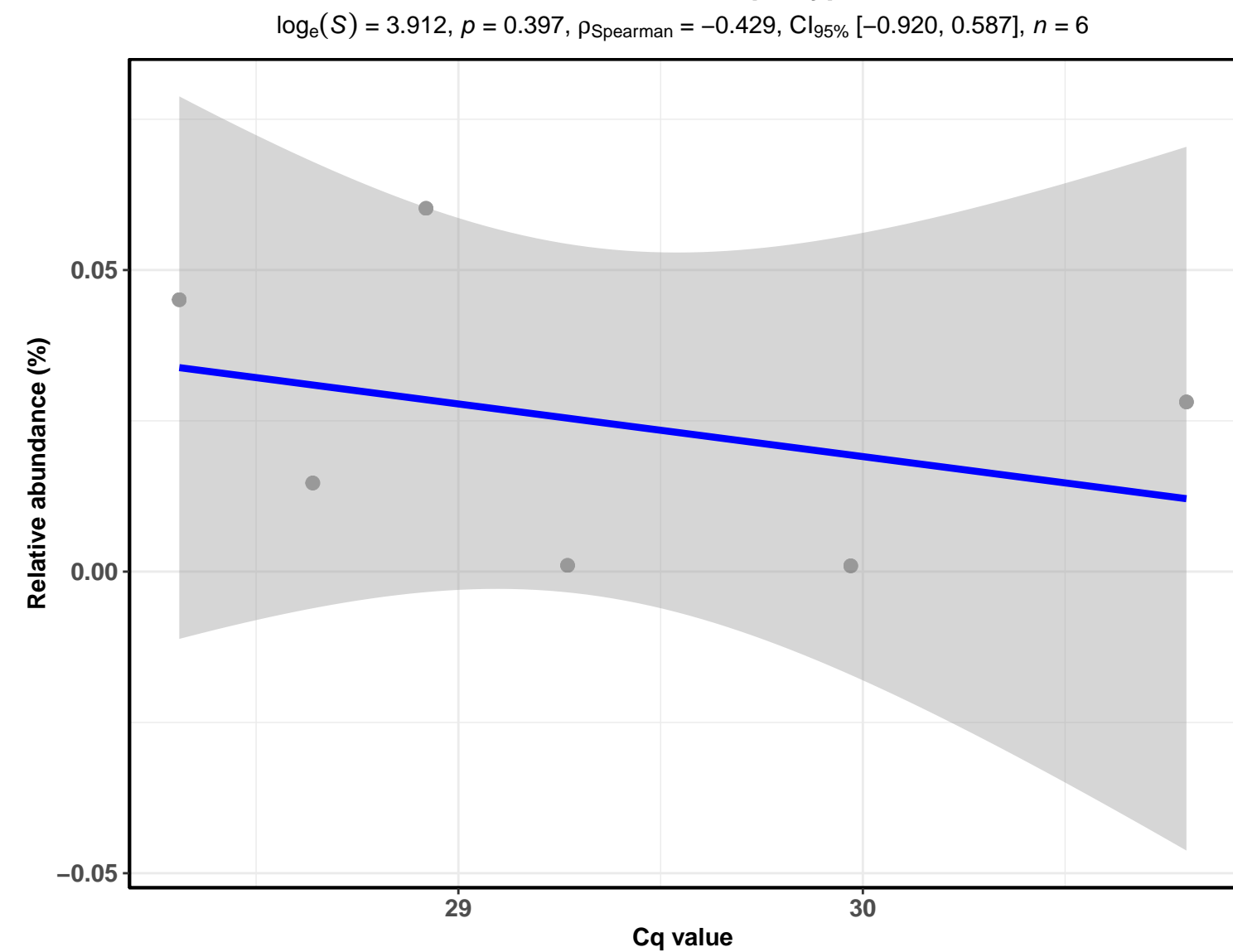
Correlation with all samples



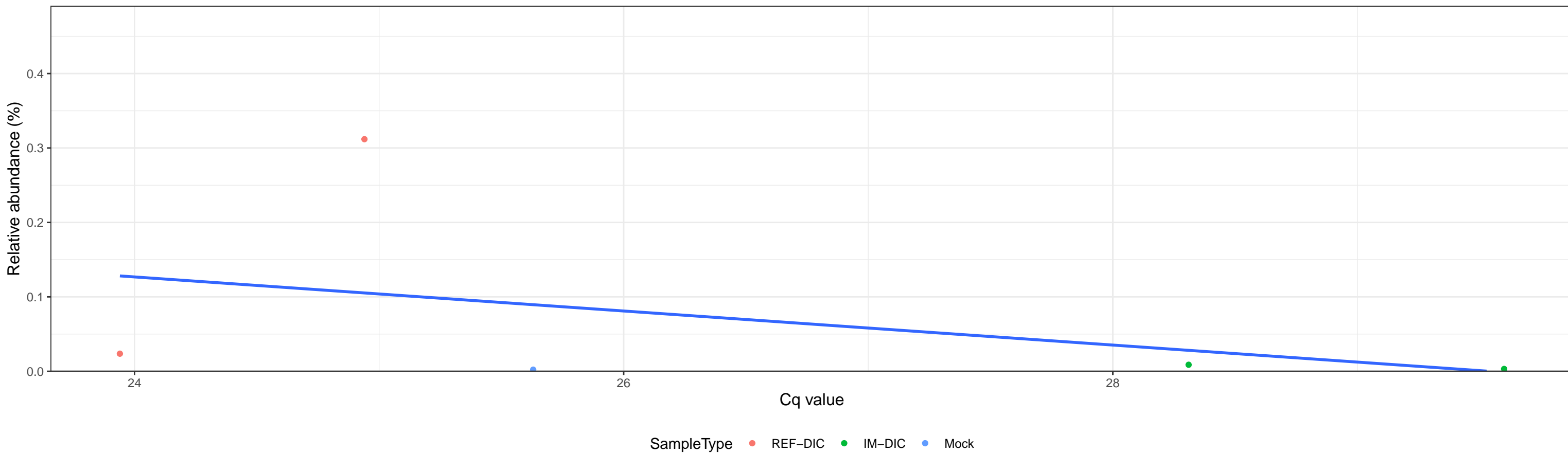
Correlation within the sample type: REF-DIC



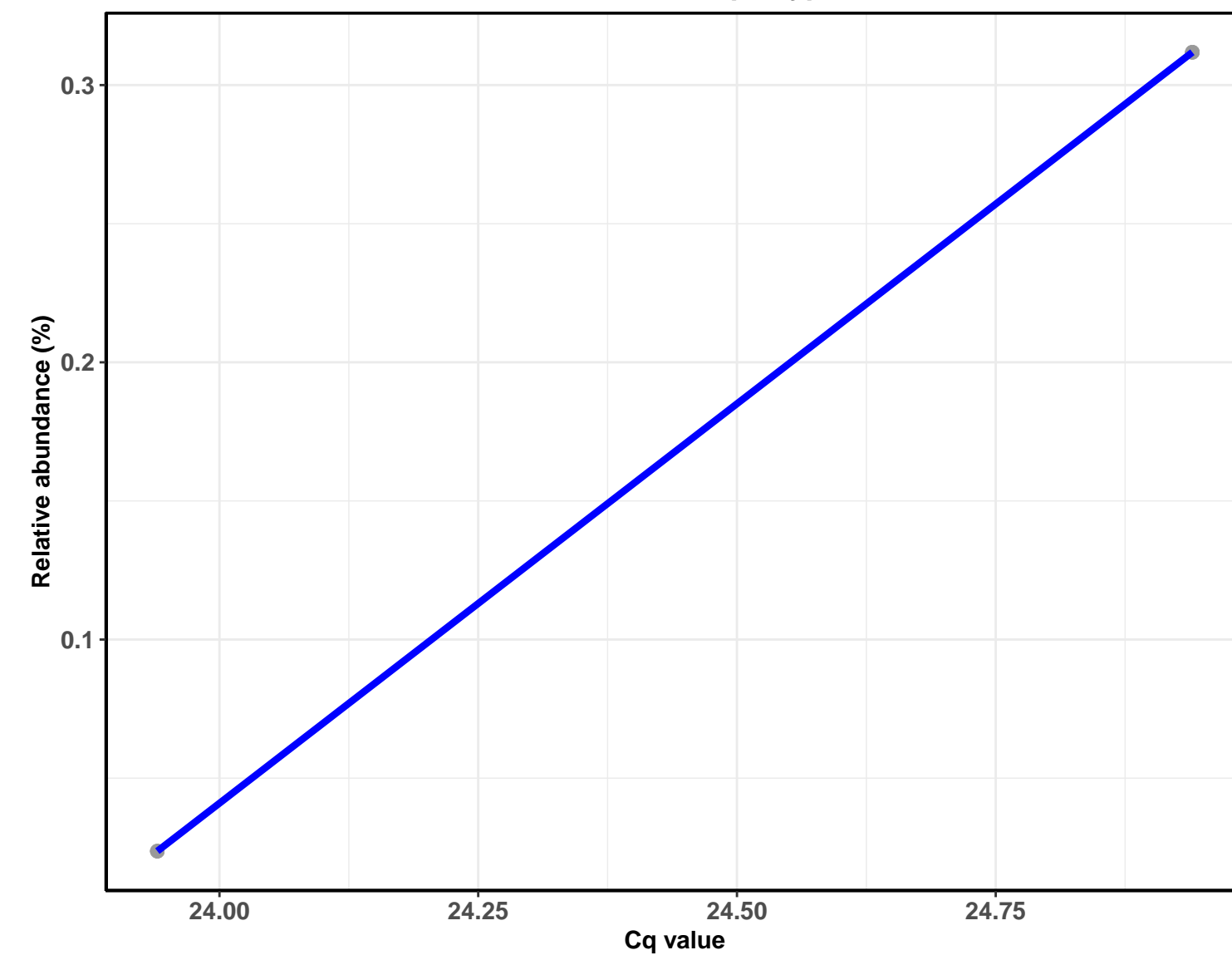
Correlation within the sample type: IM-DIC



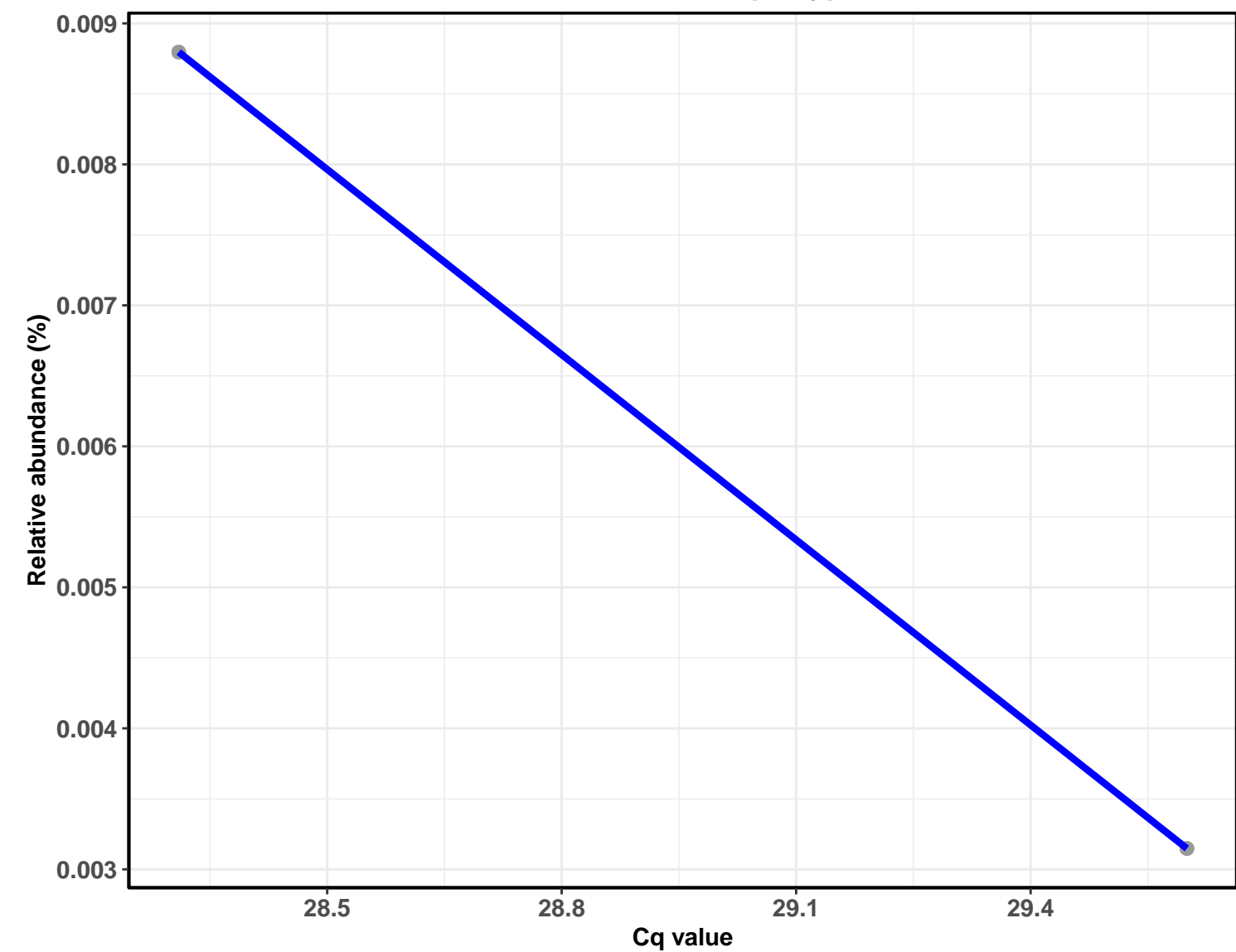
Correlation with all samples



Correlation within the sample type: REF-DIC

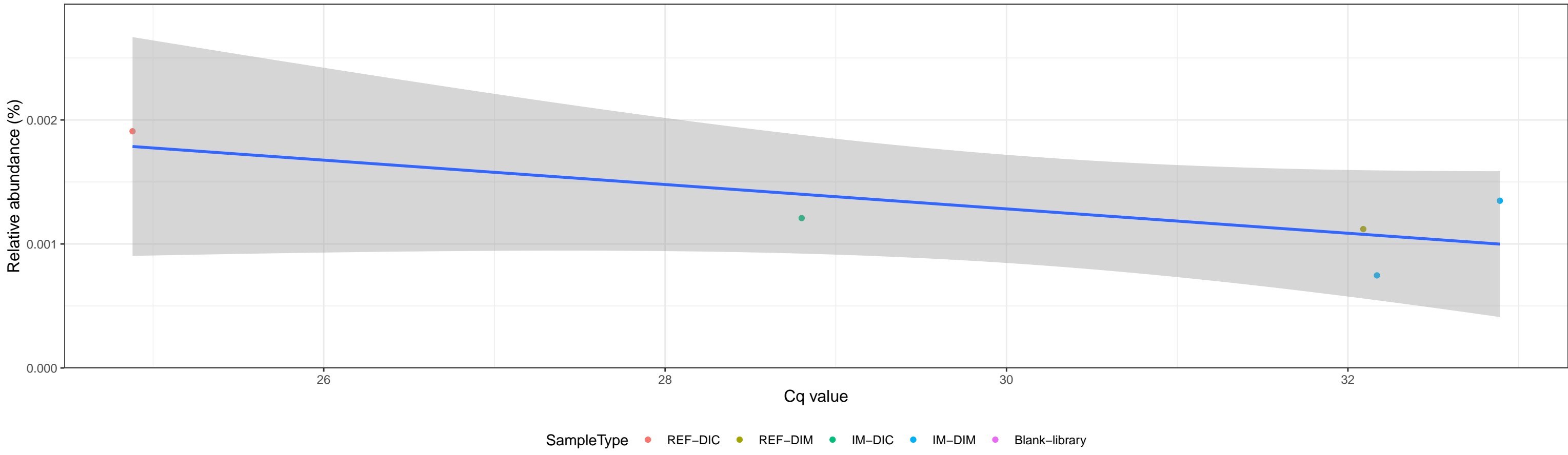


Correlation within the sample type: IM-DIC

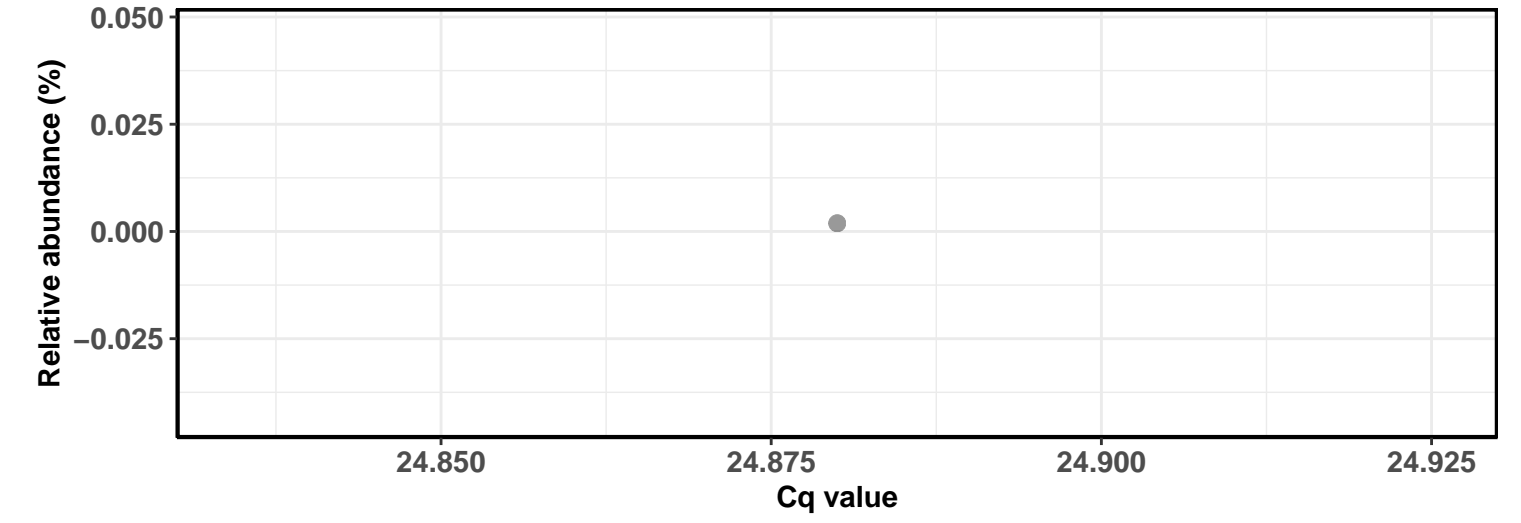


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Alteromonadales; D_4__Marinobacteraceae; D_5__Marinobacter; D_6__Marinobacter adhaerens

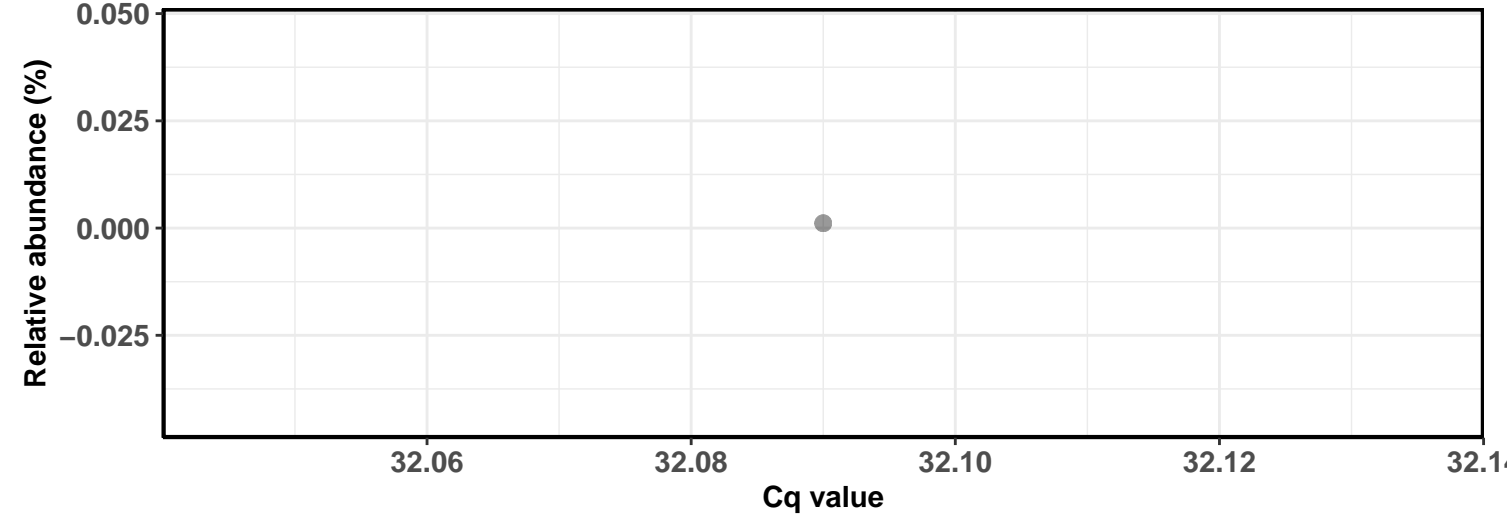
Correlation with all samples



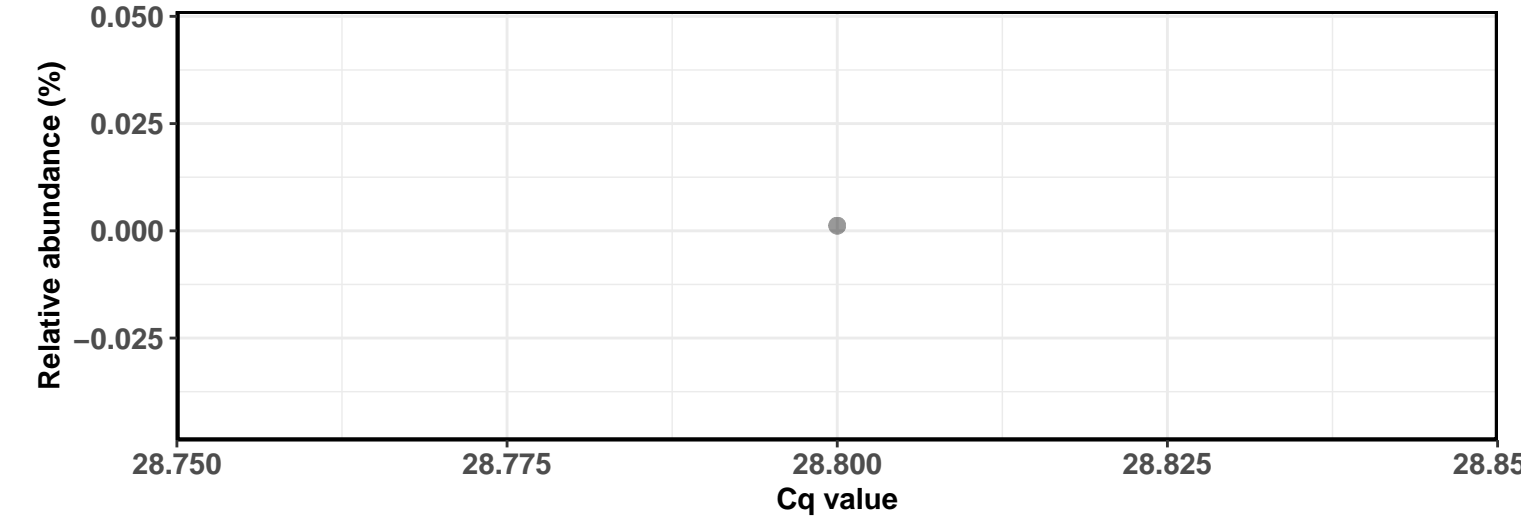
Correlation within the sample type: REF-DIC



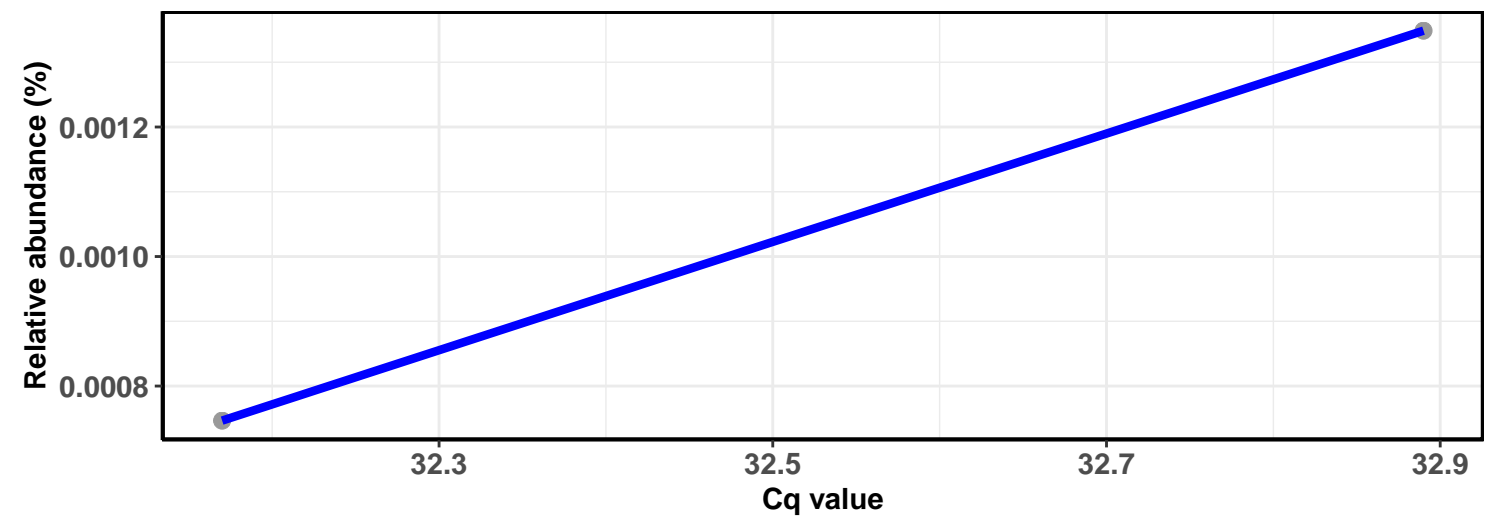
Correlation within the sample type: REF-DIM



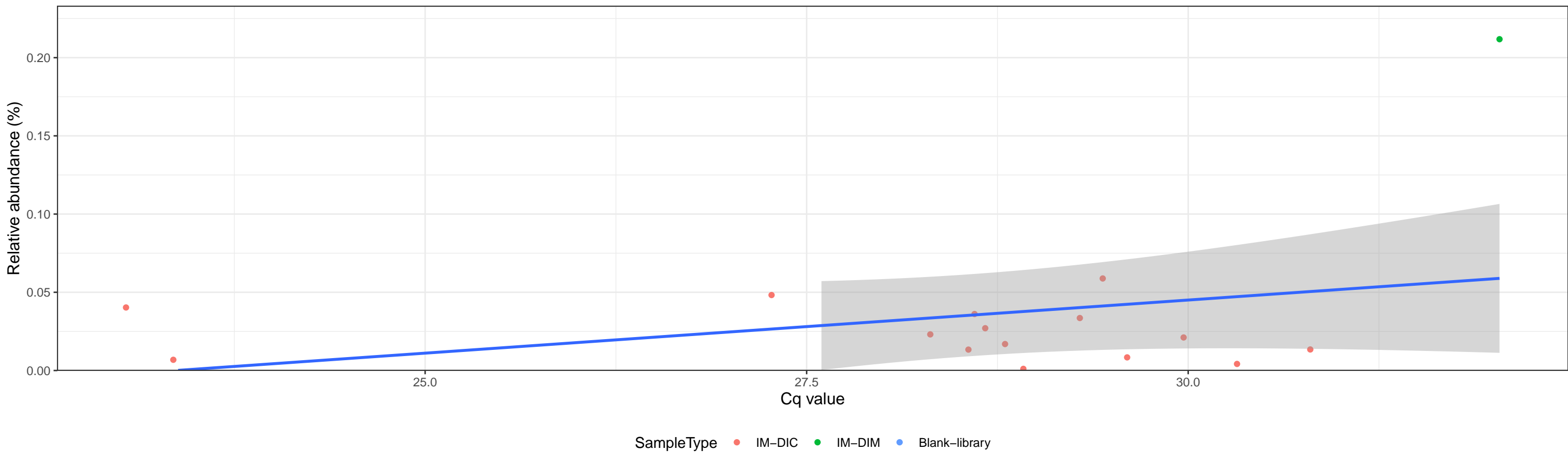
Correlation within the sample type: IM-DIC



Correlation within the sample type: IM-DIM

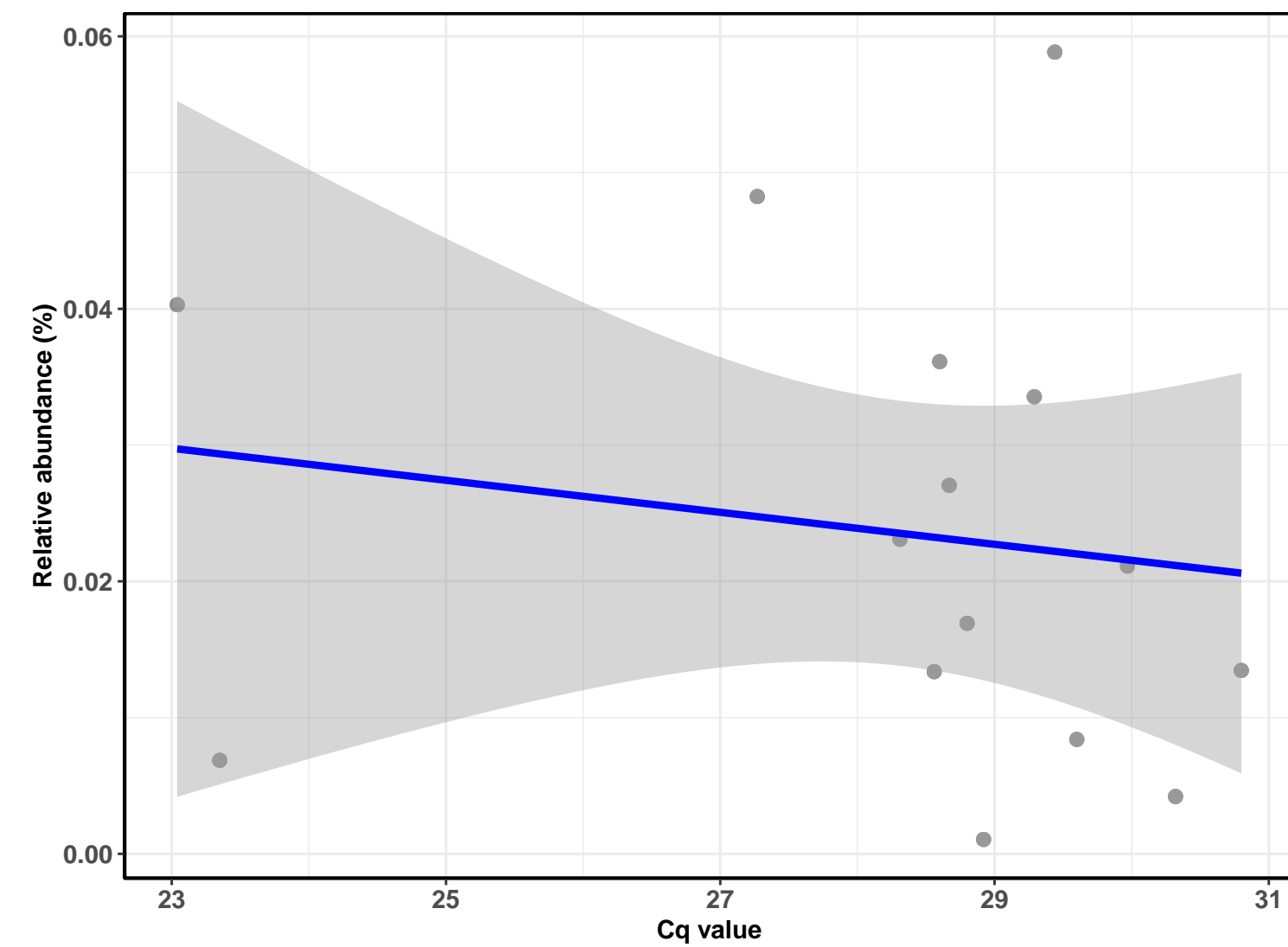


Correlation with all samples

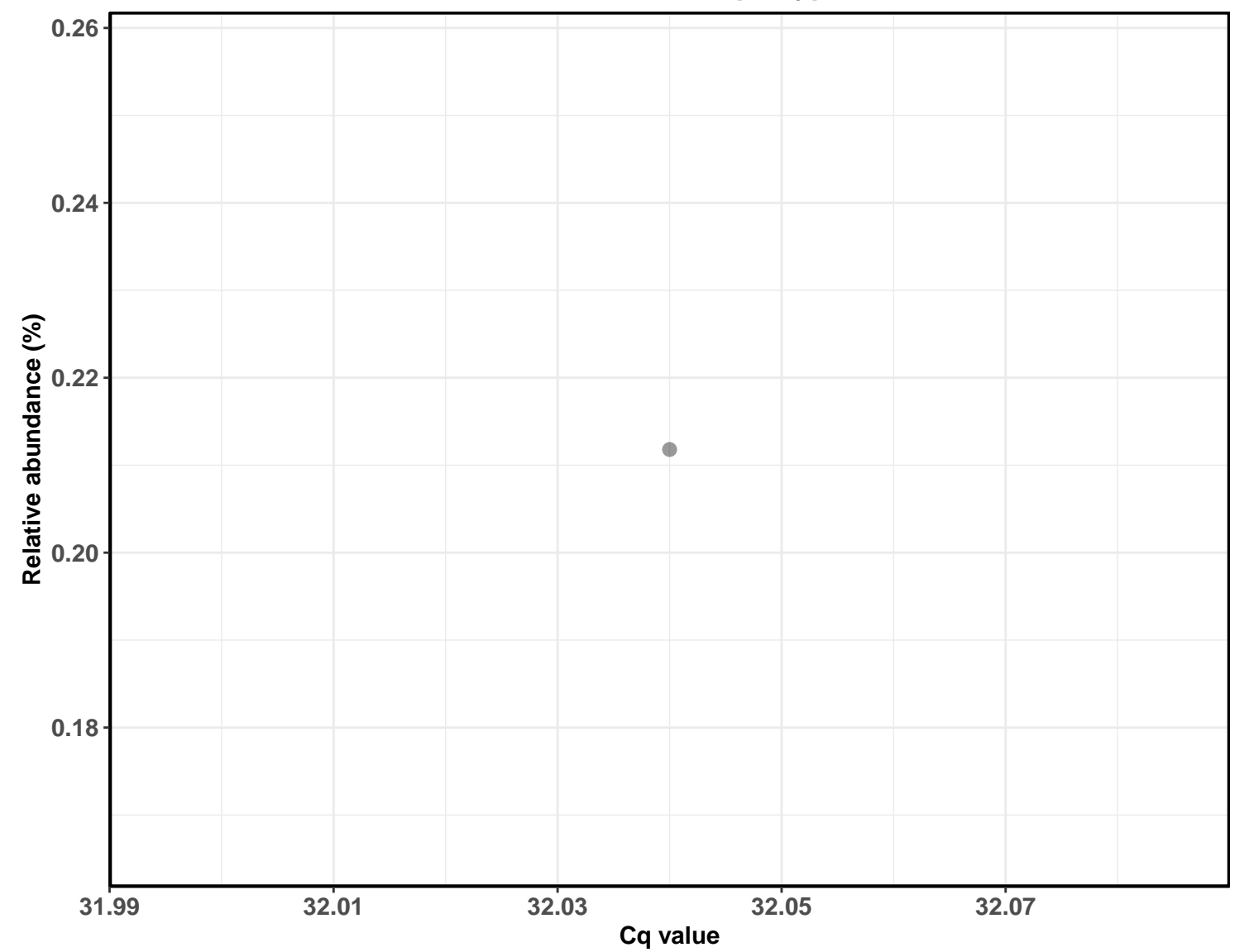


Correlation within the sample type: IM-DIC

$\log_e(S) = 6.596$, $p = 0.265$, $\rho_{\text{Spearman}} = -0.307$, $CI_{95\%} [-0.708, 0.243]$, $n = 15$

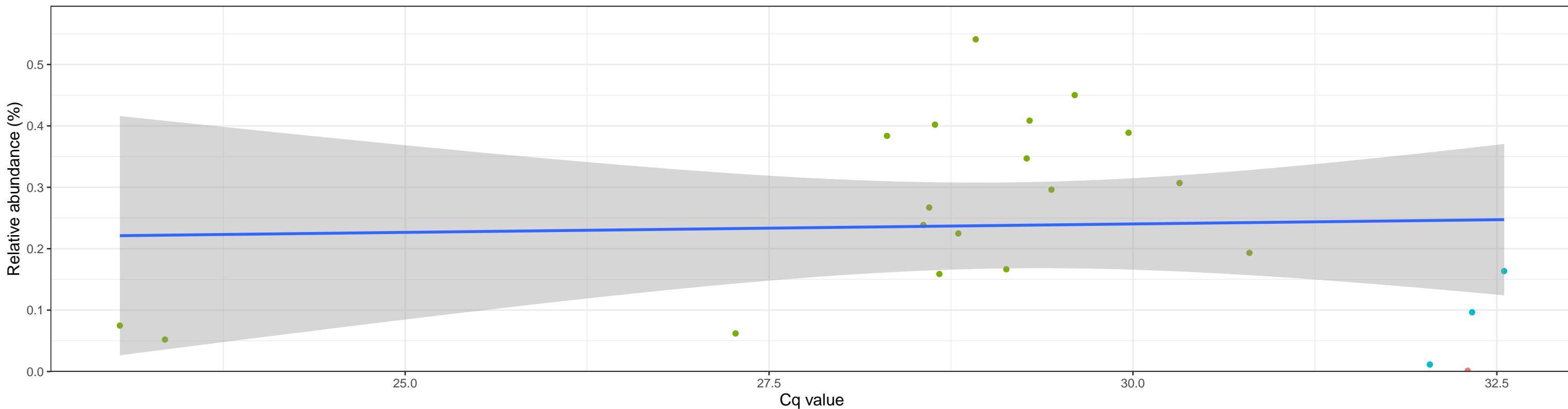


Correlation within the sample type: IM-DIM

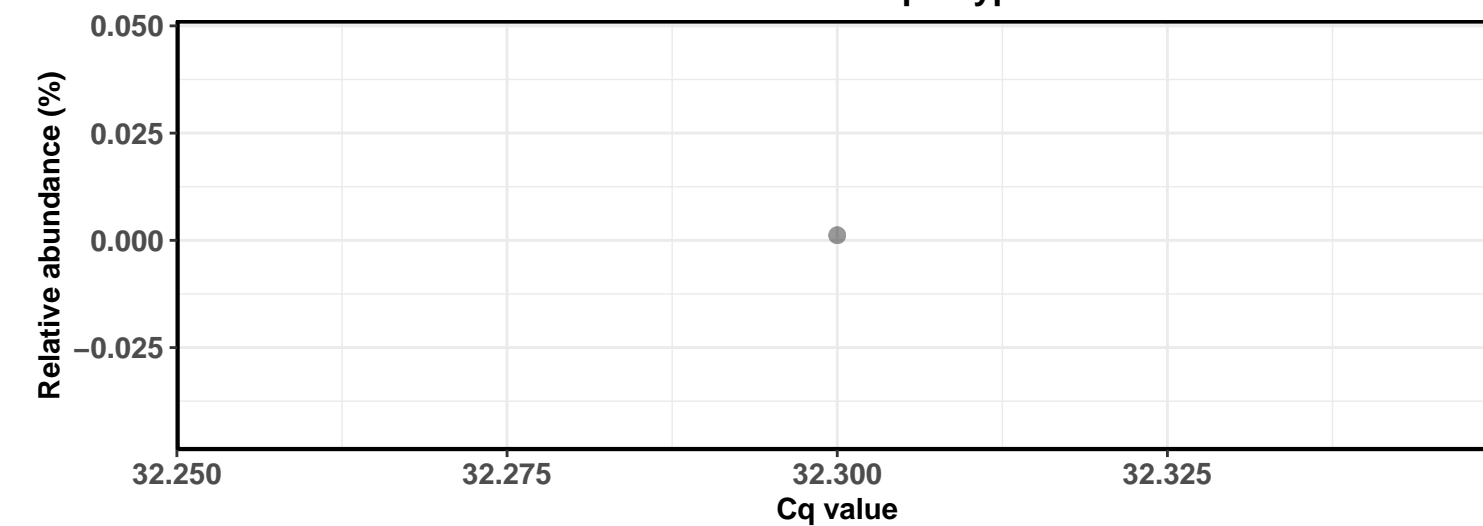


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Micrococcales; D_4__Brevibacteriaceae; D_5__Brevibacterium; D_6__Brevibacterium album

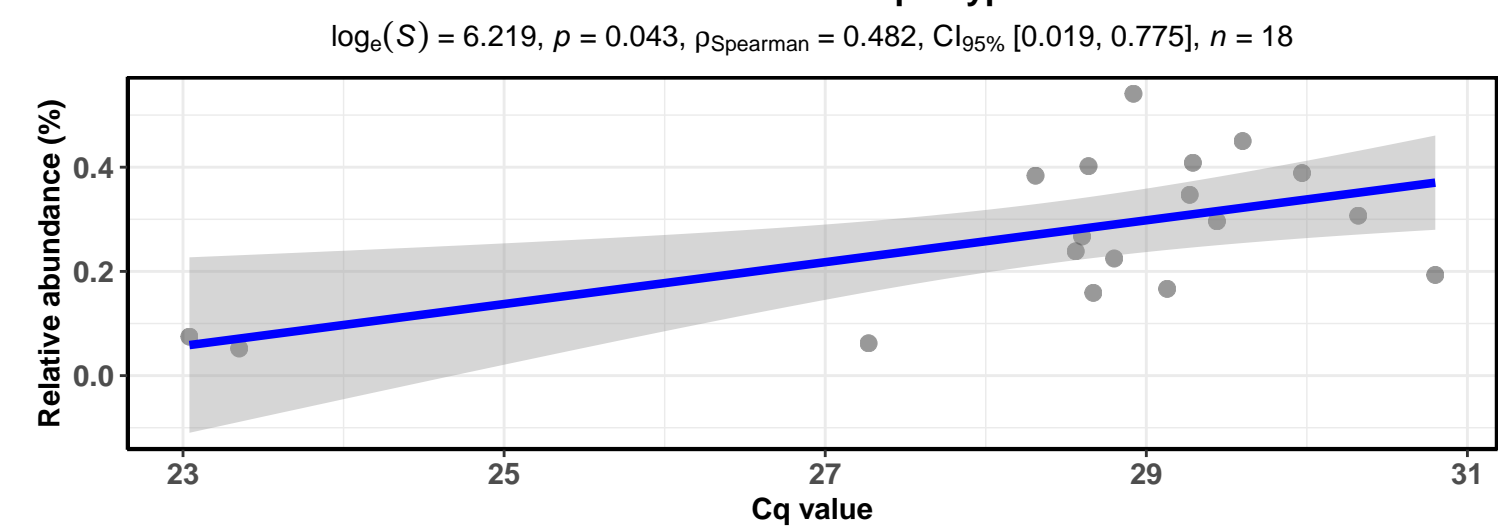
Correlation with all samples



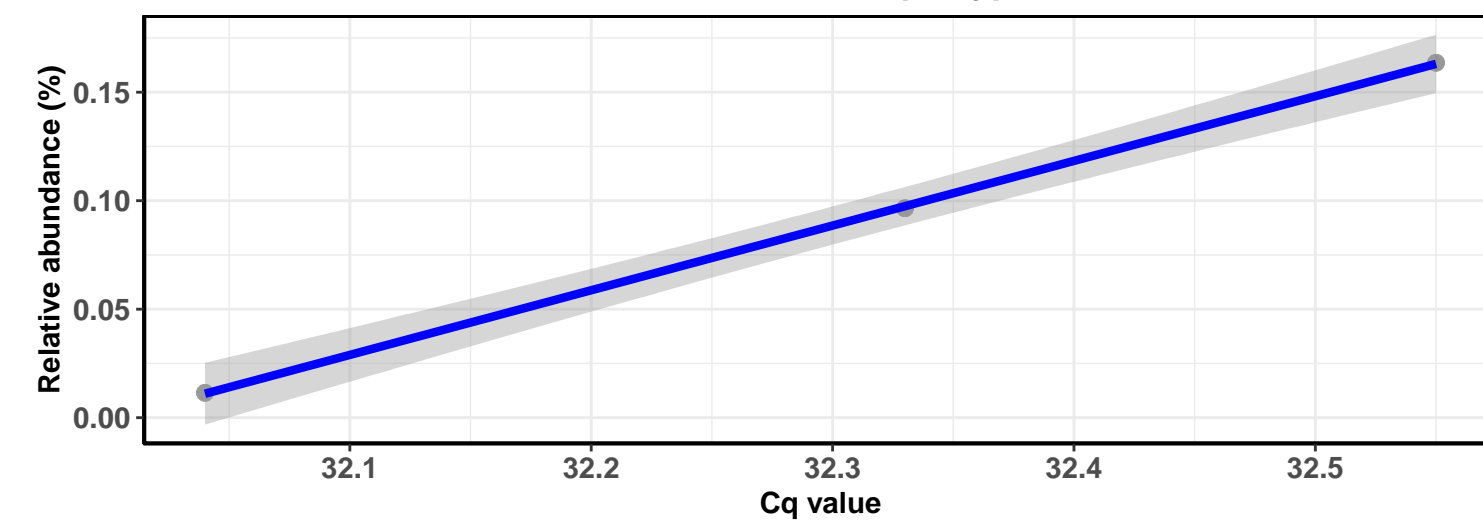
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

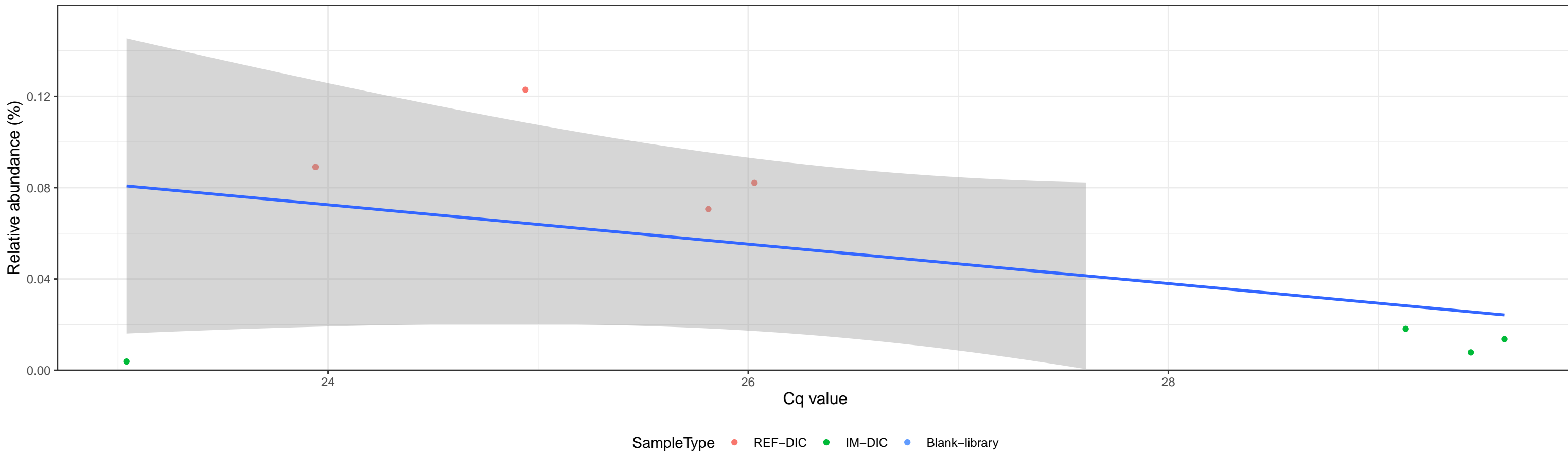


Correlation within the sample type: IM-DIM

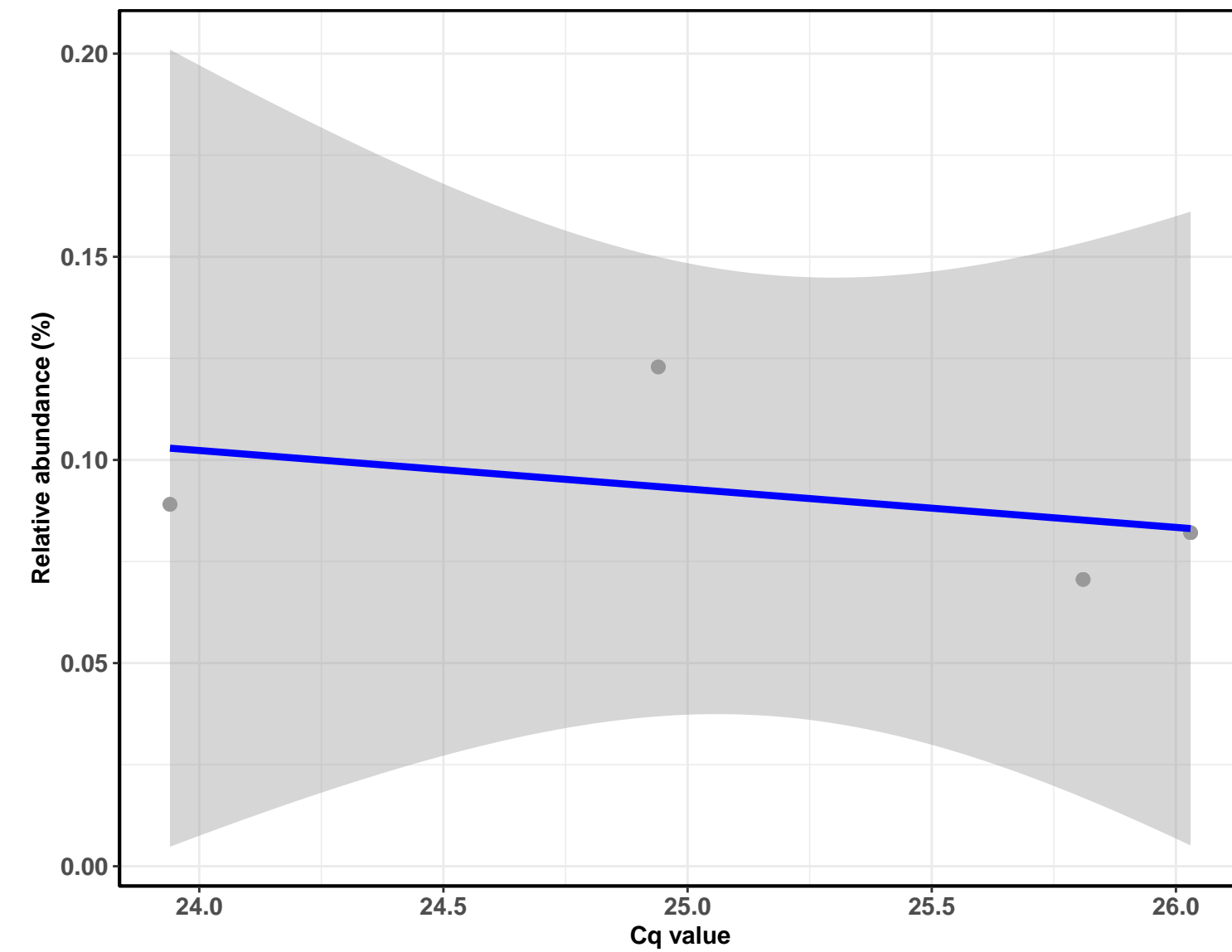


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Bacillus

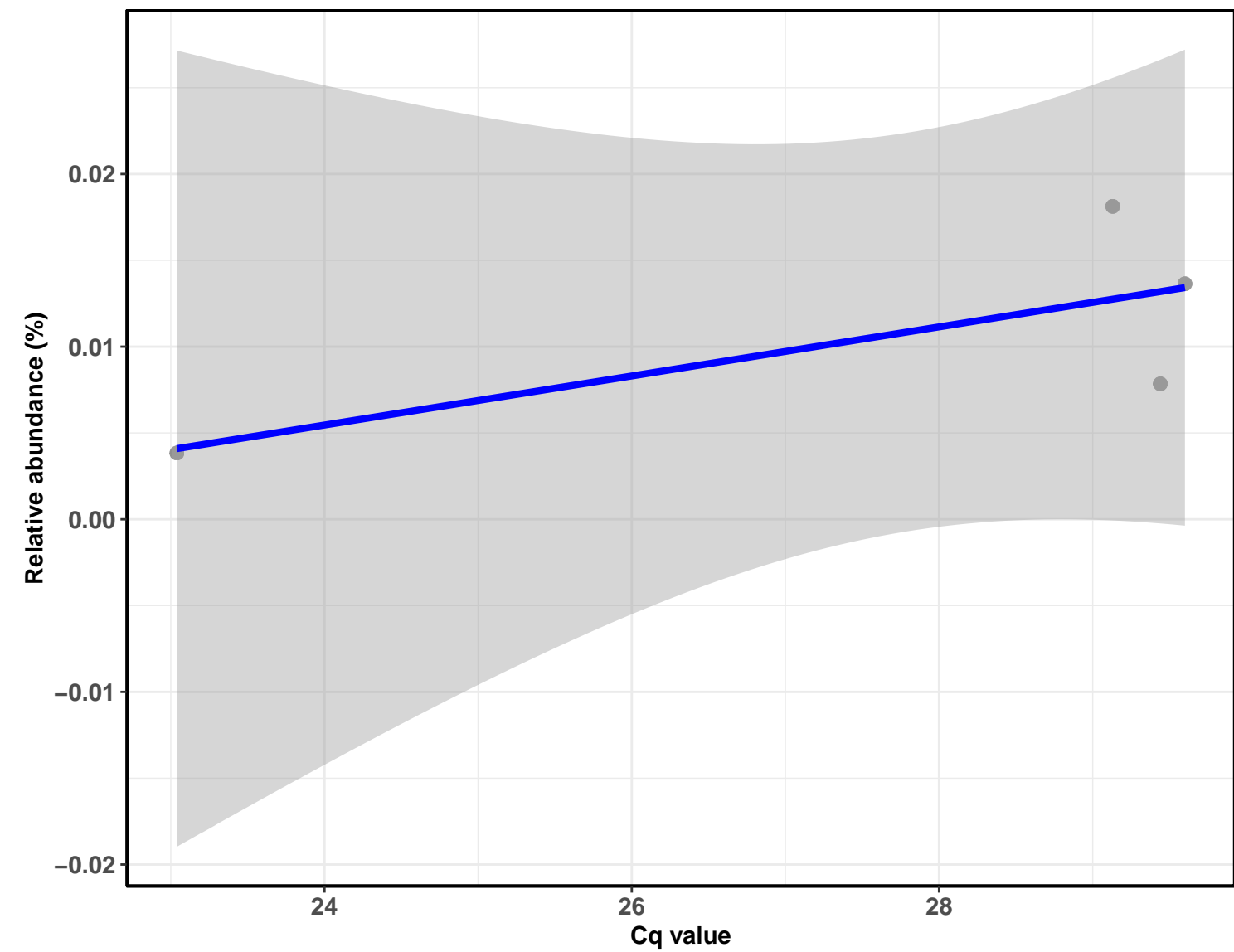
Correlation with all samples



Correlation within the sample type: REF-DIC

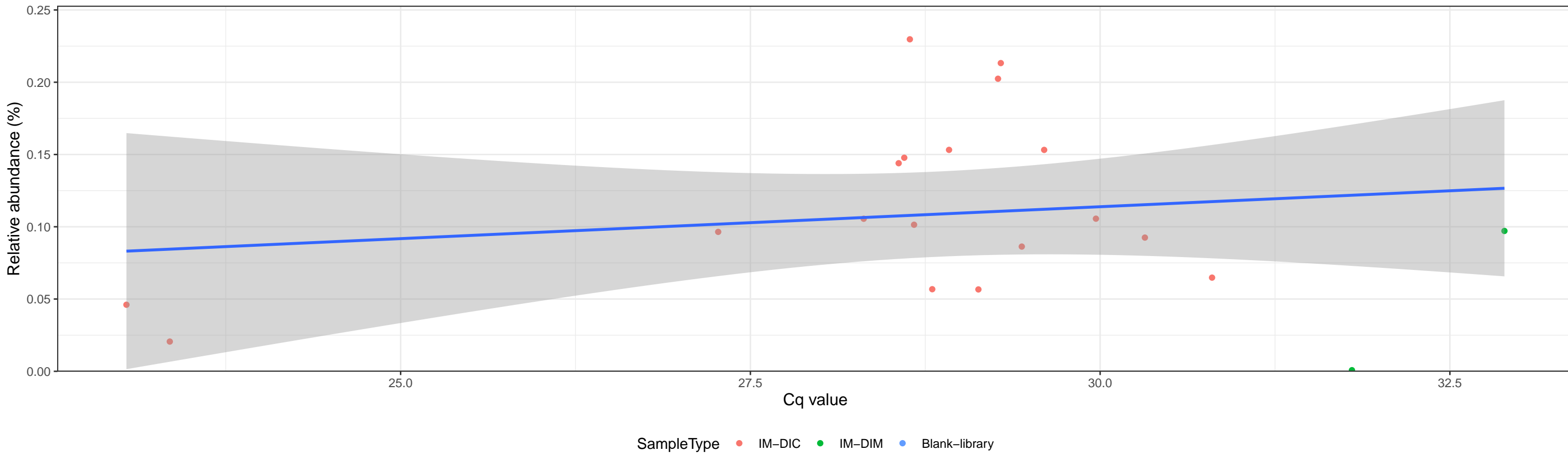


Correlation within the sample type: IM-DIC



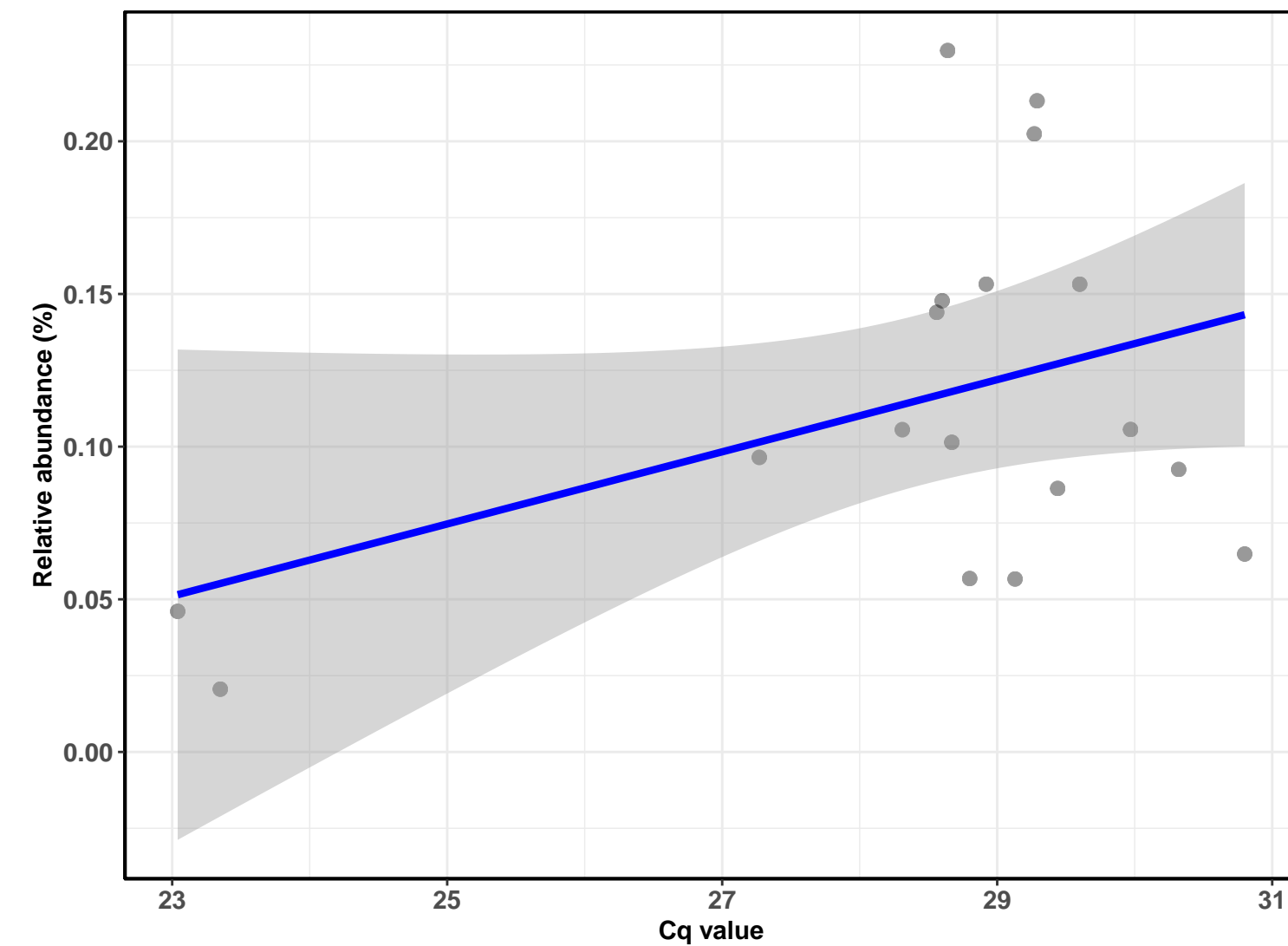
D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Micrococcales; D_4__Brevibacteriaceae; D_5__Brevibacterium

Correlation with all samples

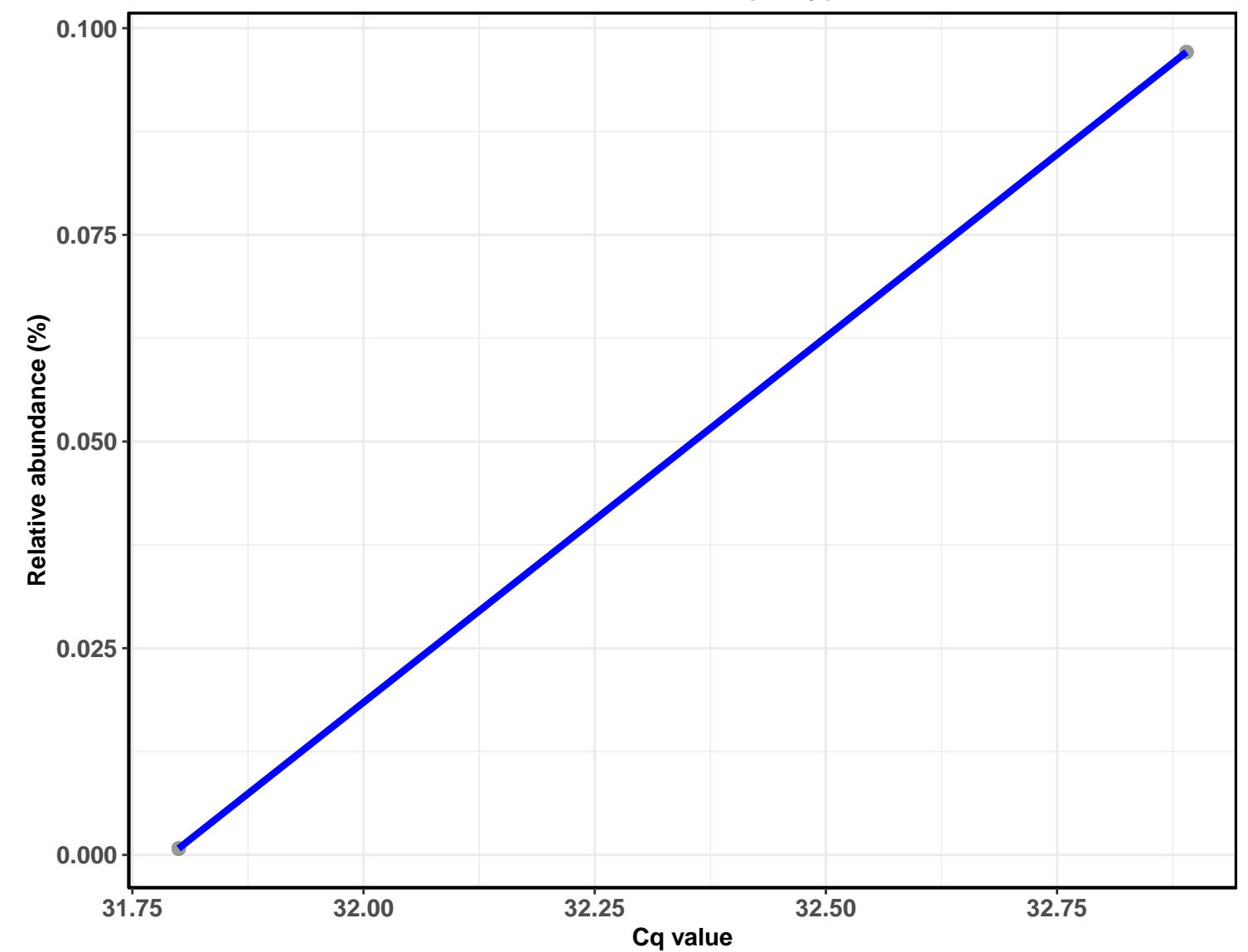


Correlation within the sample type: IM-DIC

$\log_e(S) = 6.669$, $p = 0.458$, $\rho_{\text{Spearman}} = 0.187$, $CI_{95\%} [-0.307, 0.601]$, $n = 18$

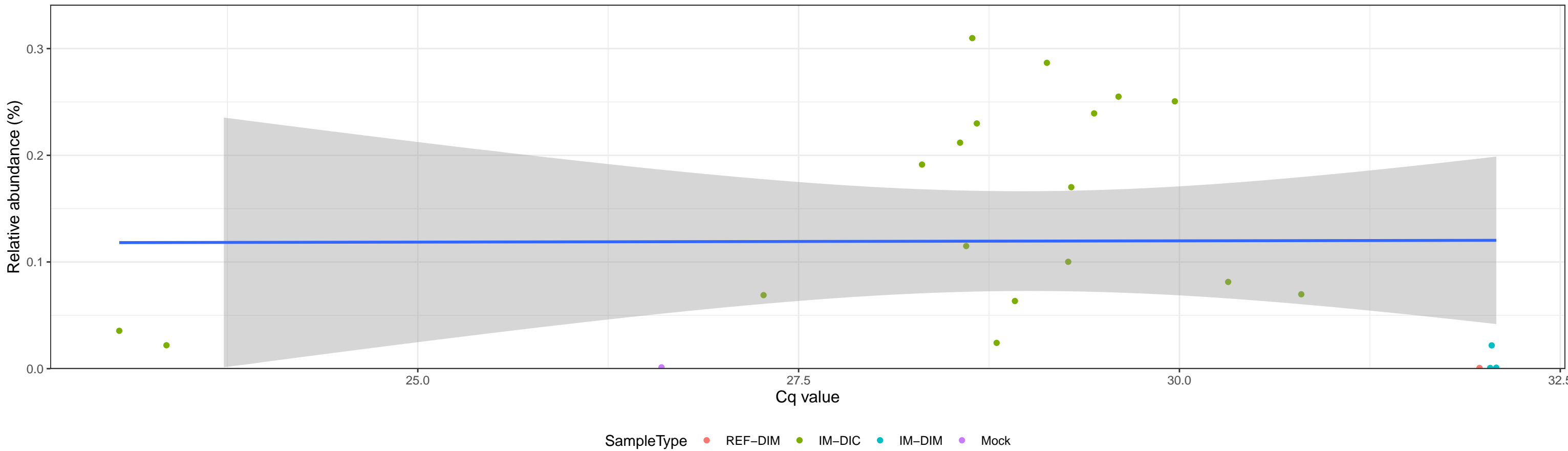


Correlation within the sample type: IM-DIM

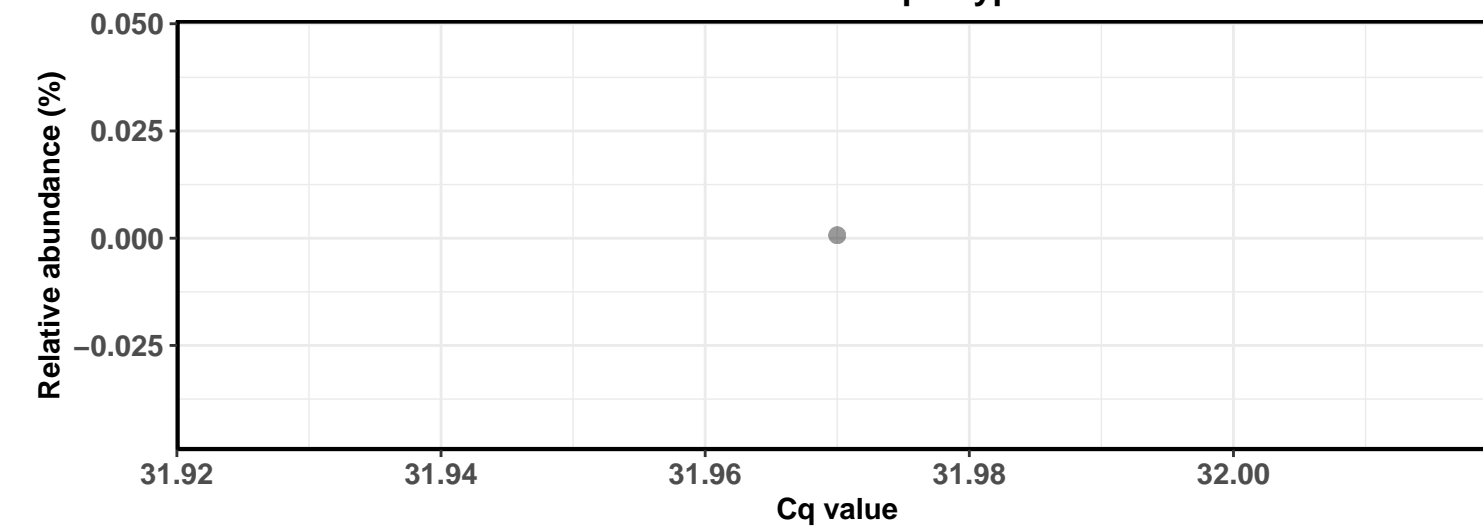


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Flavobacteriales; D_4__Flavobacteriaceae; D_5__Flavobacterium

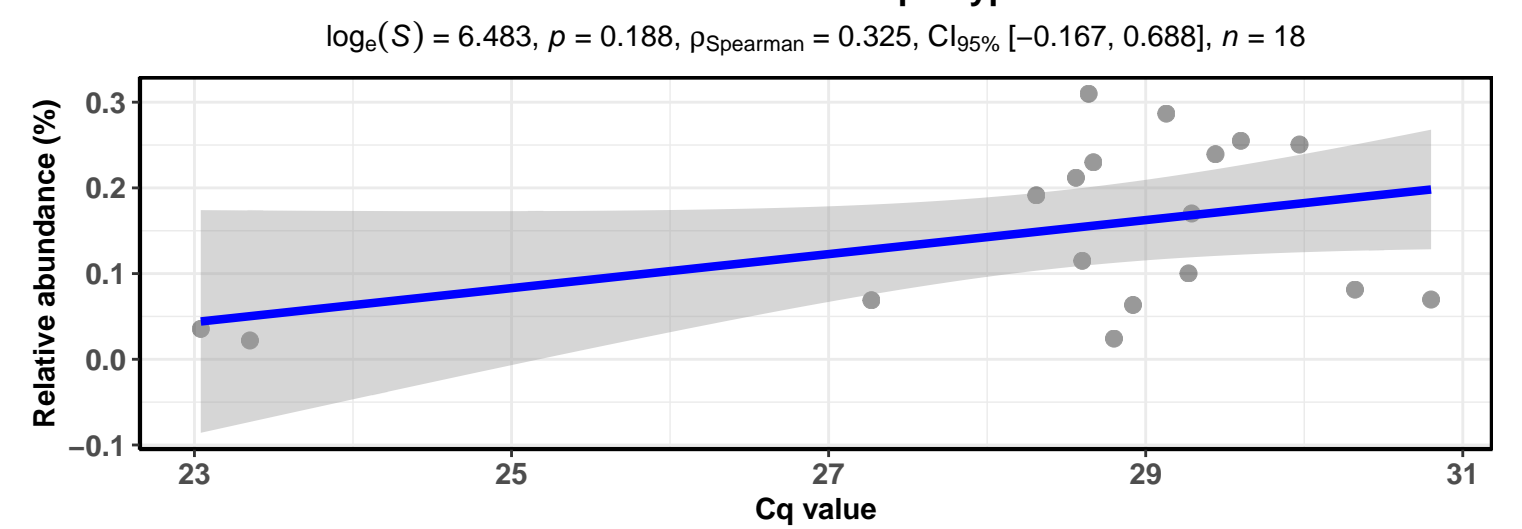
Correlation with all samples



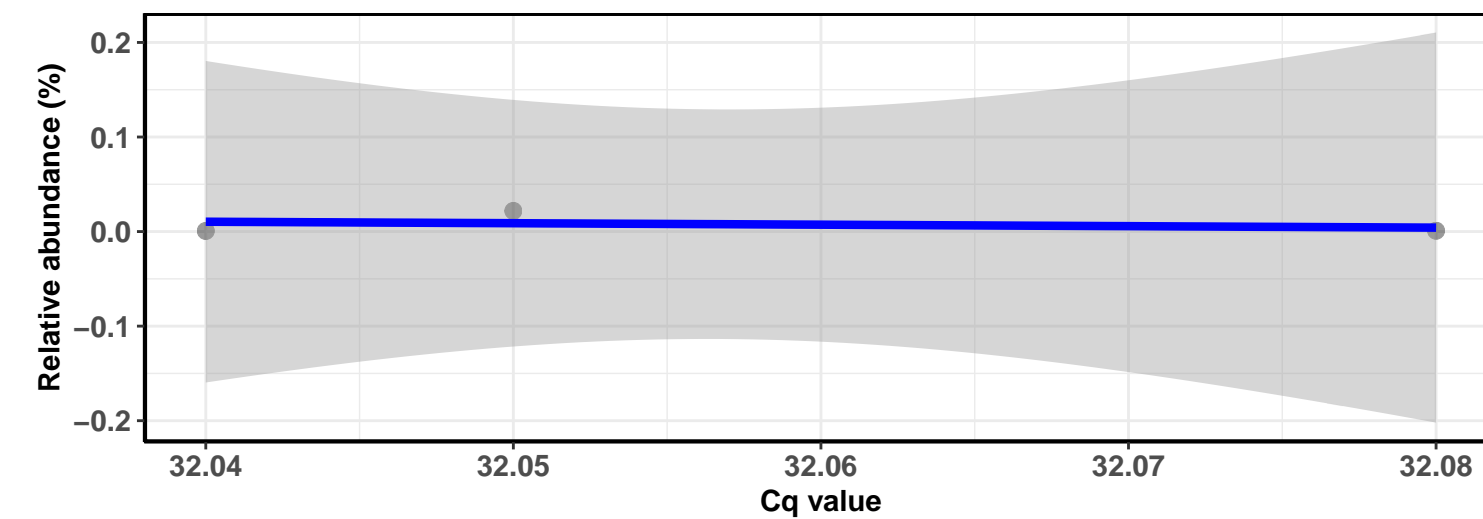
Correlation within the sample type: REF-DIM



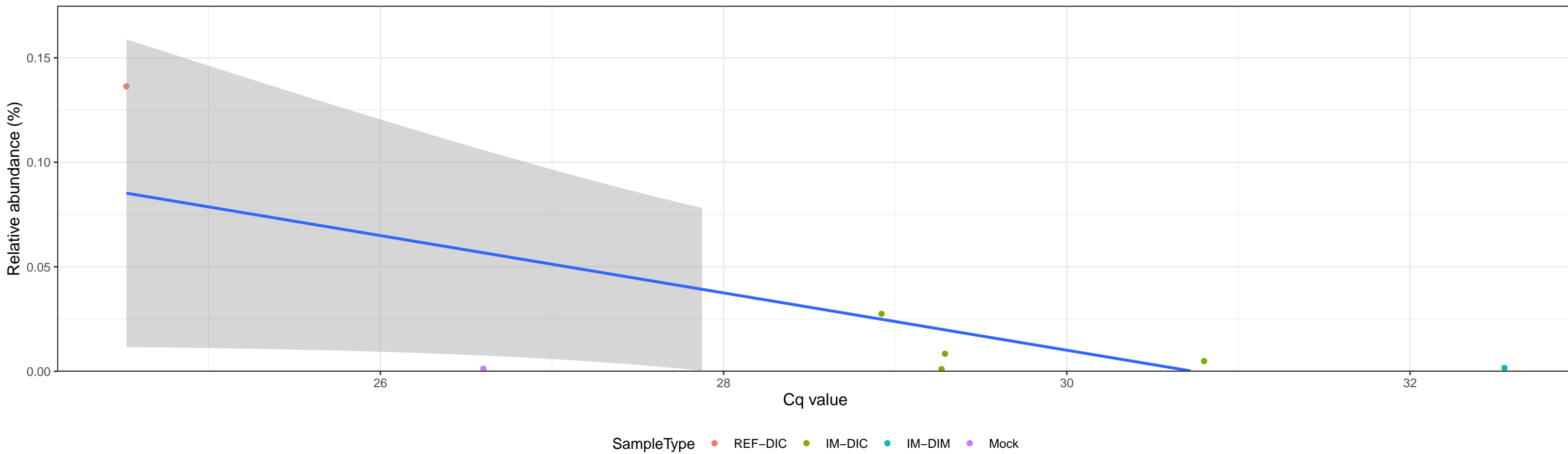
Correlation within the sample type: IM-DIC



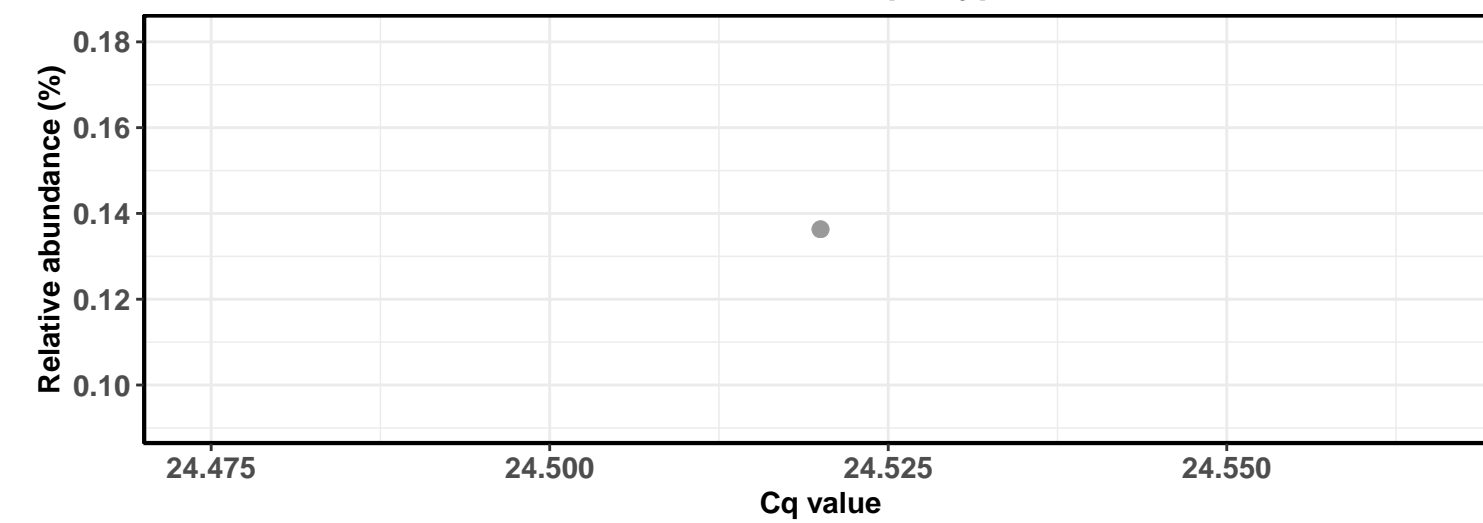
Correlation within the sample type: IM-DIM



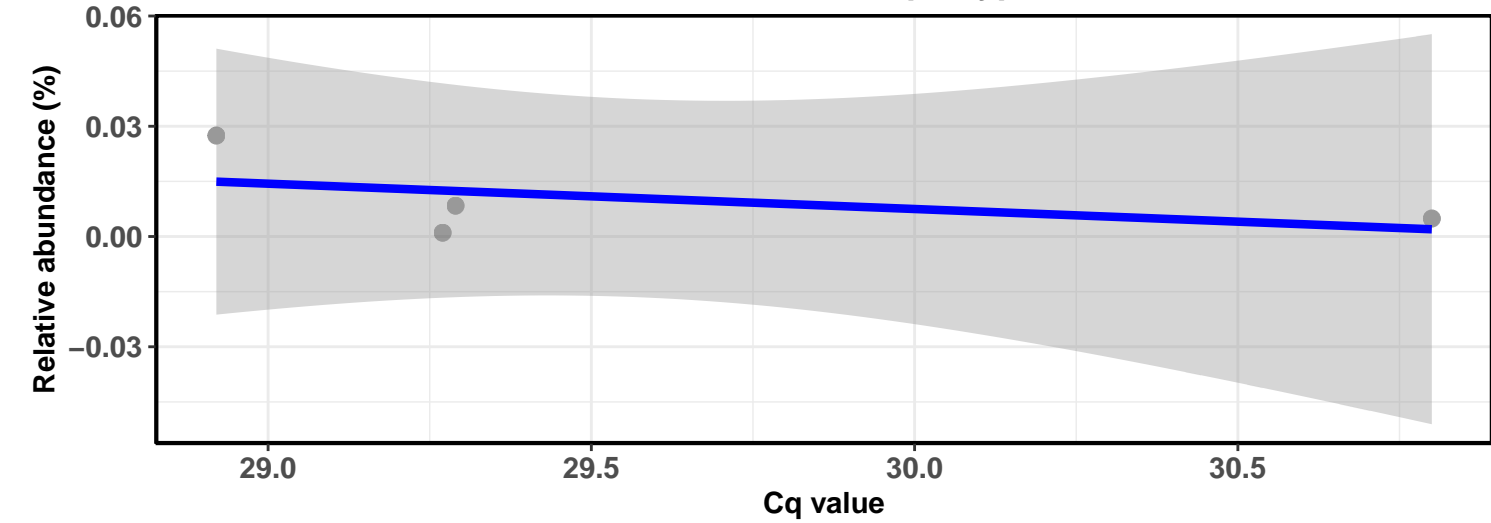
Correlation with all samples



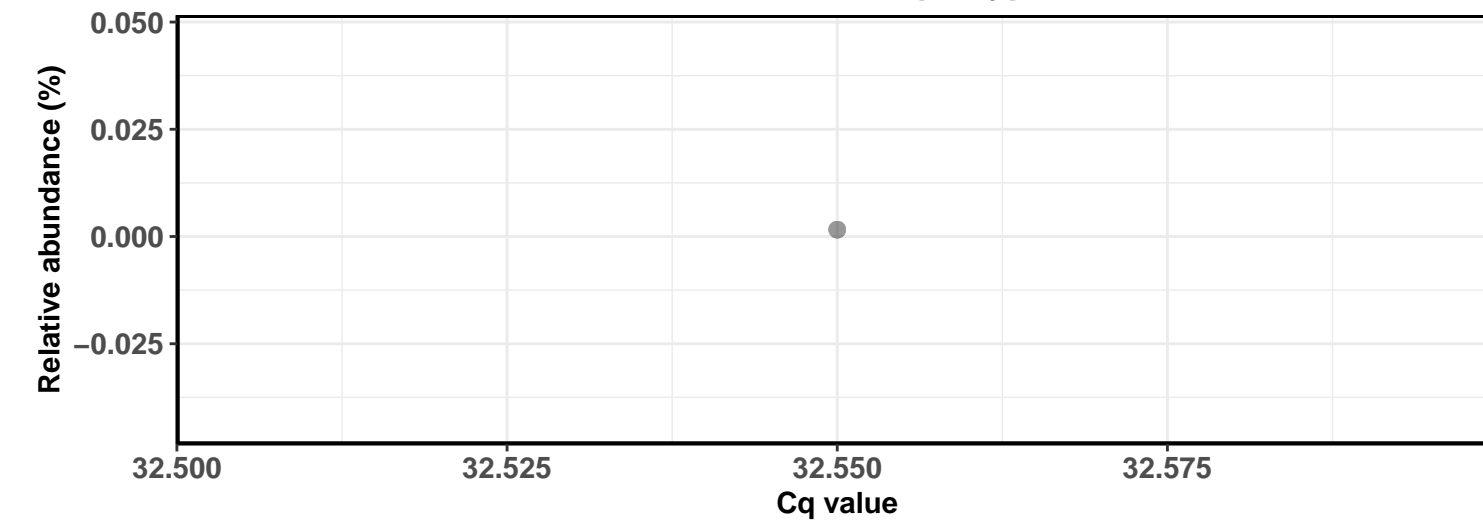
Correlation within the sample type: REF-DIC



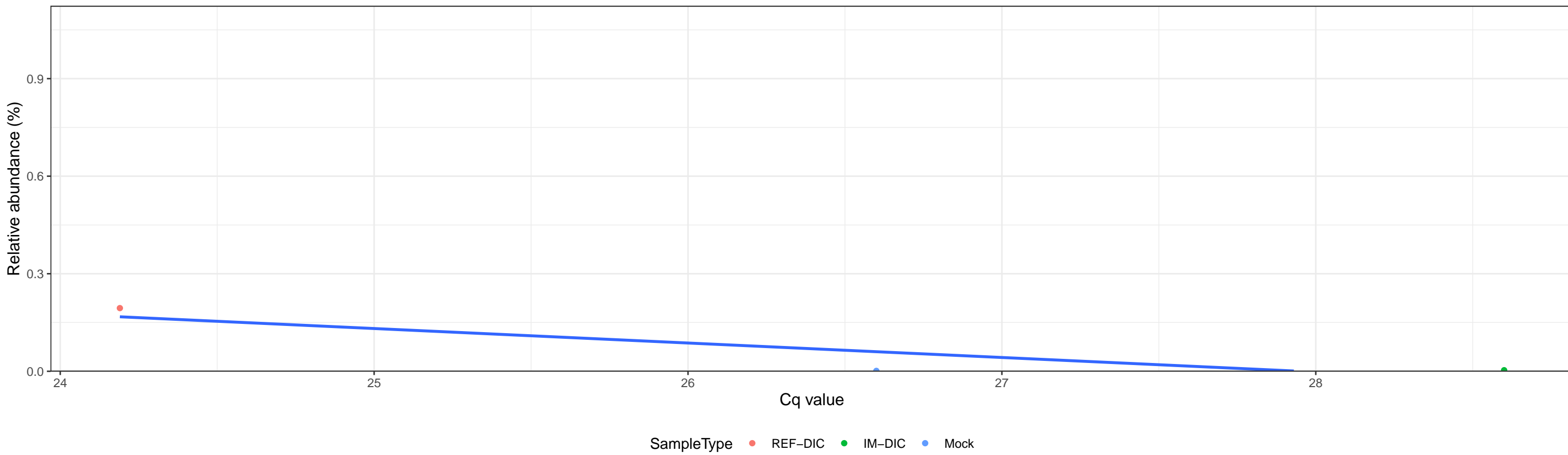
Correlation within the sample type: IM-DIC



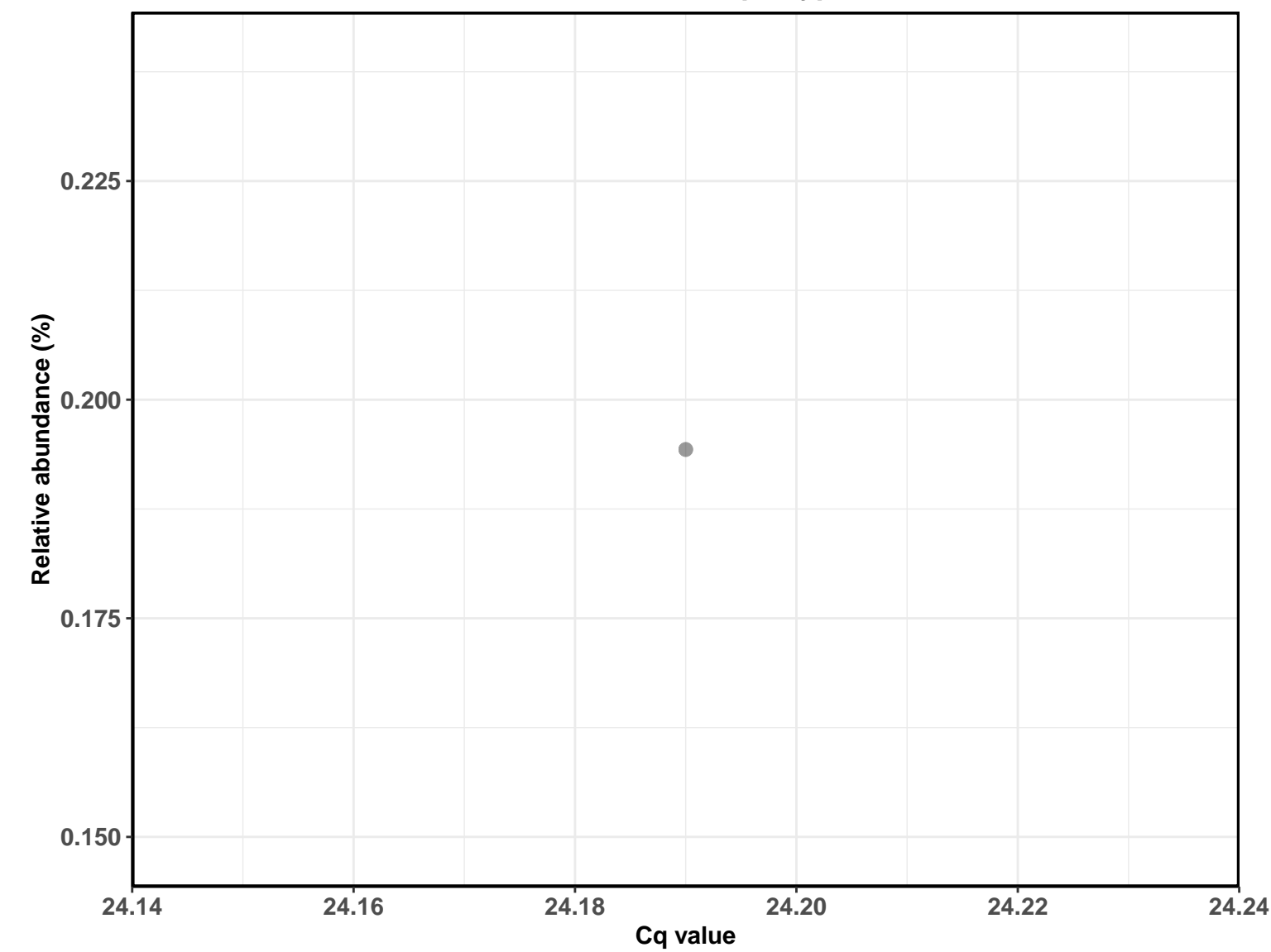
Correlation within the sample type: IM-DIM



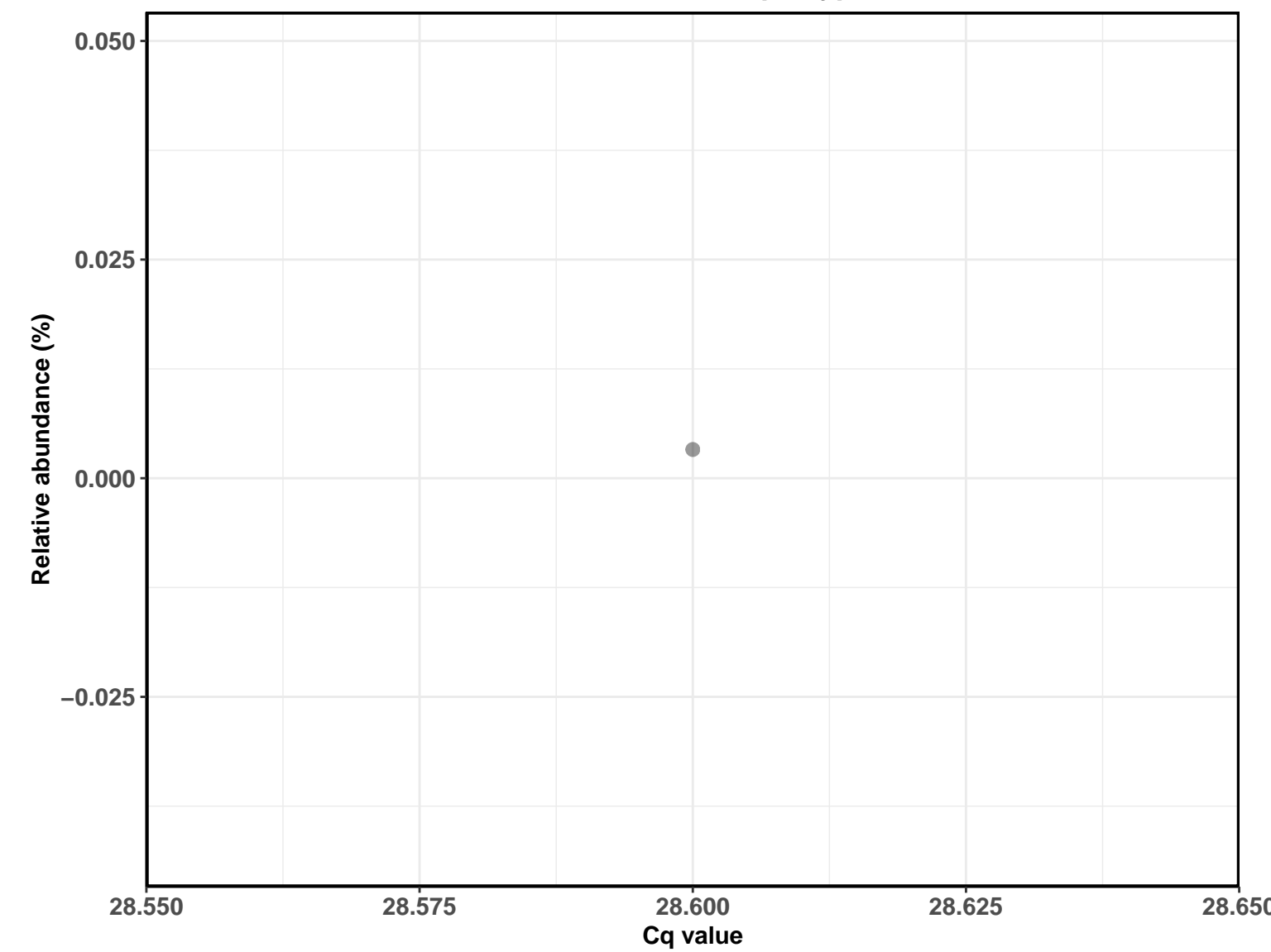
Correlation with all samples



Correlation within the sample type: REF-DIC

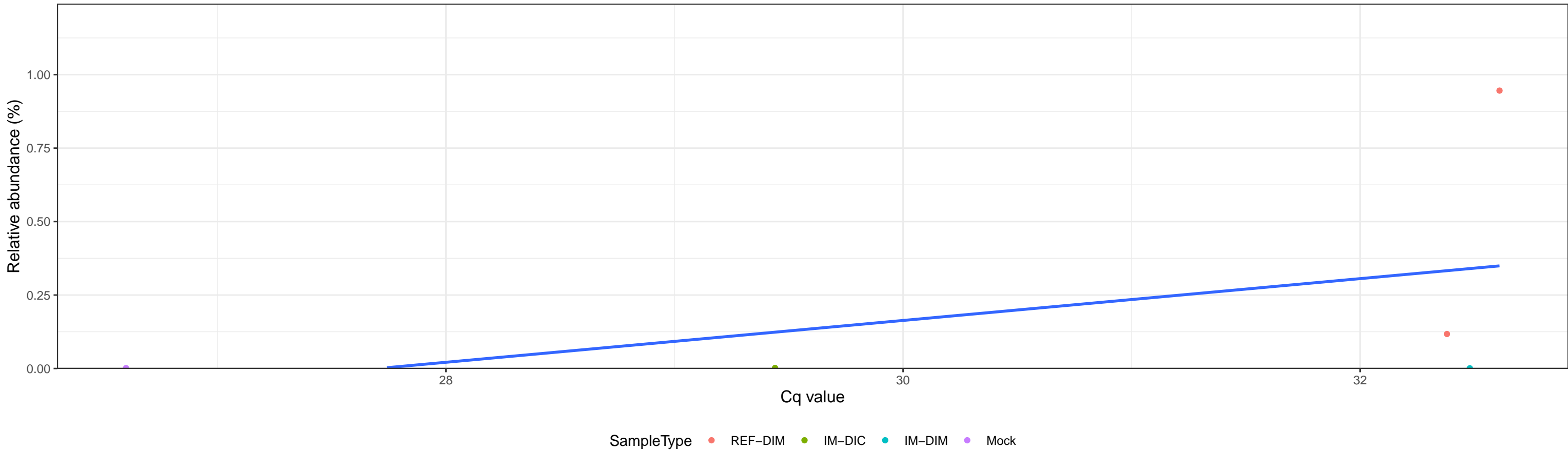


Correlation within the sample type: IM-DIC

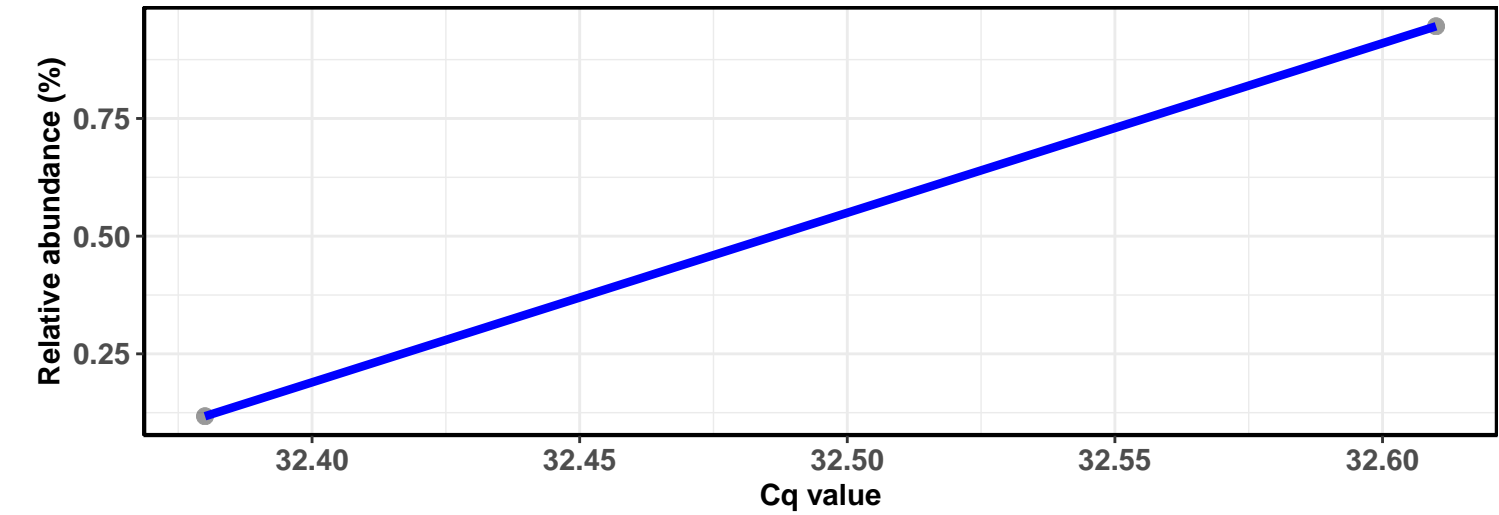


D_0__Bacteria; D_1__Bacteroidetes; D_2__Bacteroidia; D_3__Cytophagales; D_4__Hymenobacteraceae; D_5__Hymenobacter; D_6__uncultured bacterium

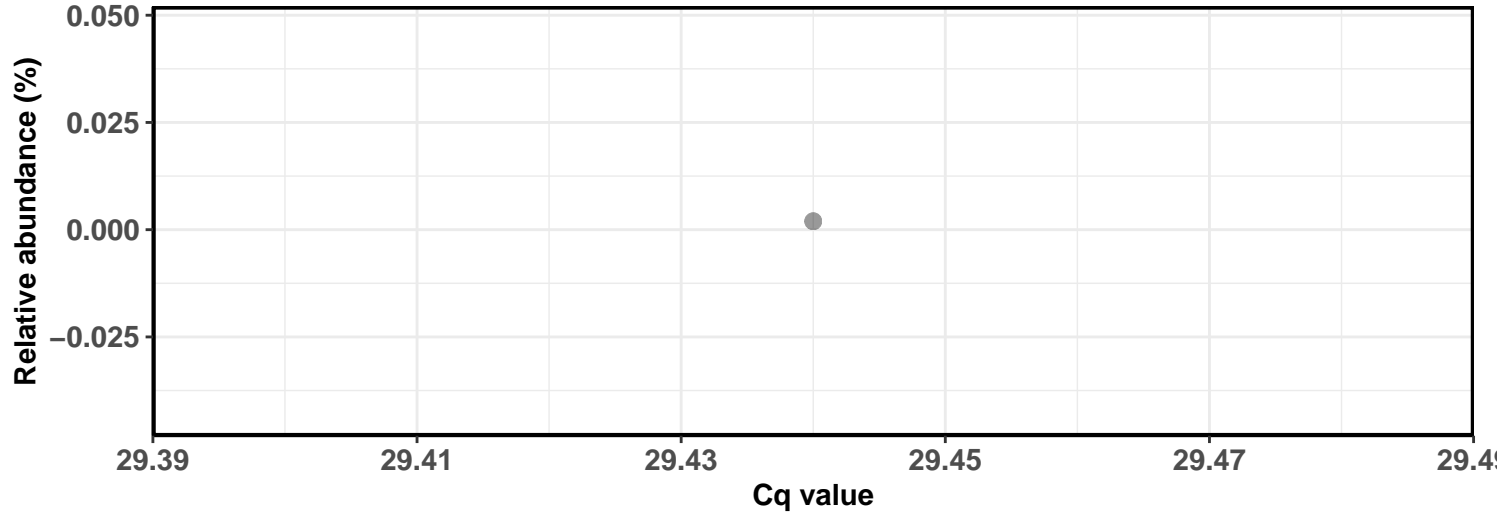
Correlation with all samples



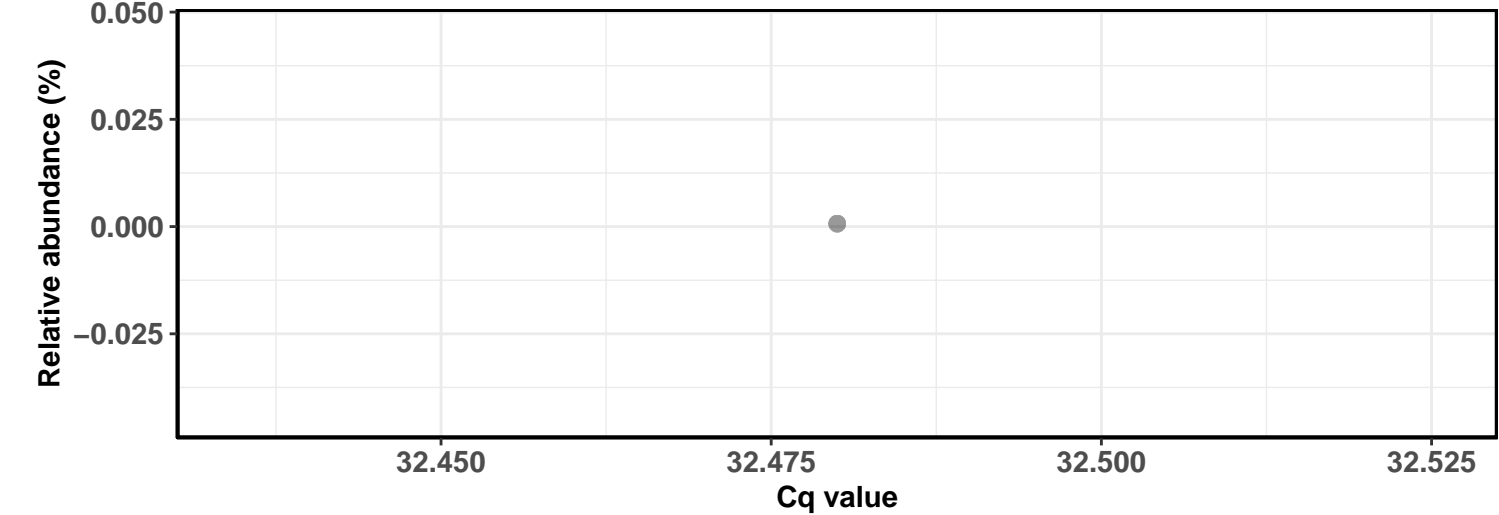
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

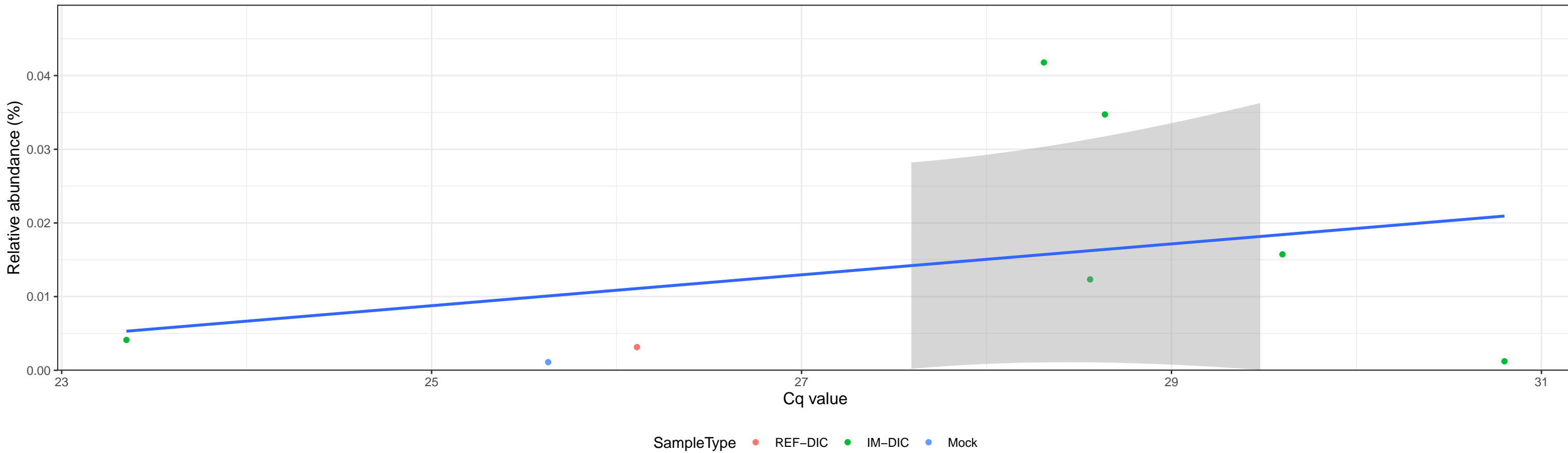


Correlation within the sample type: IM-DIM

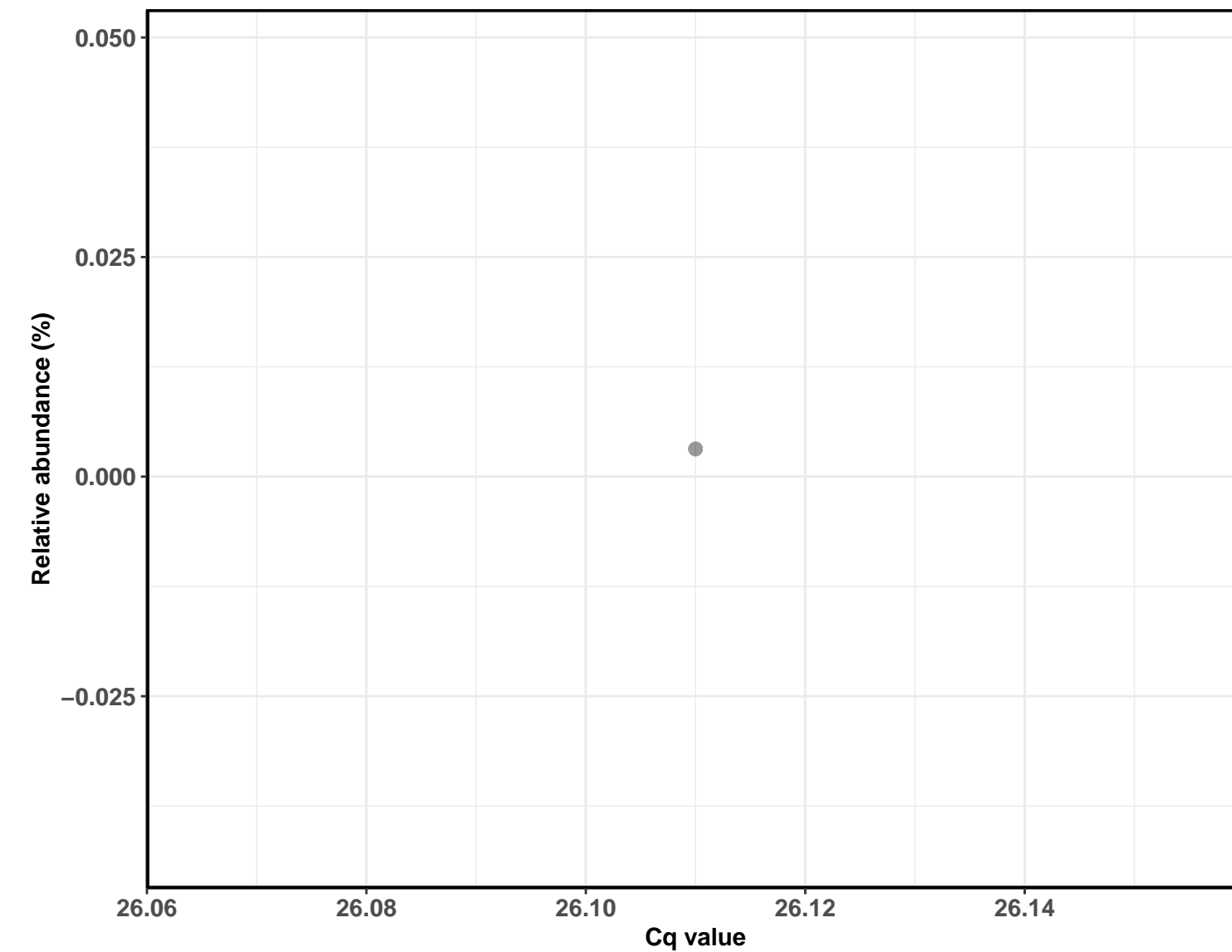


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; D_6__Lactobacillus fermentum

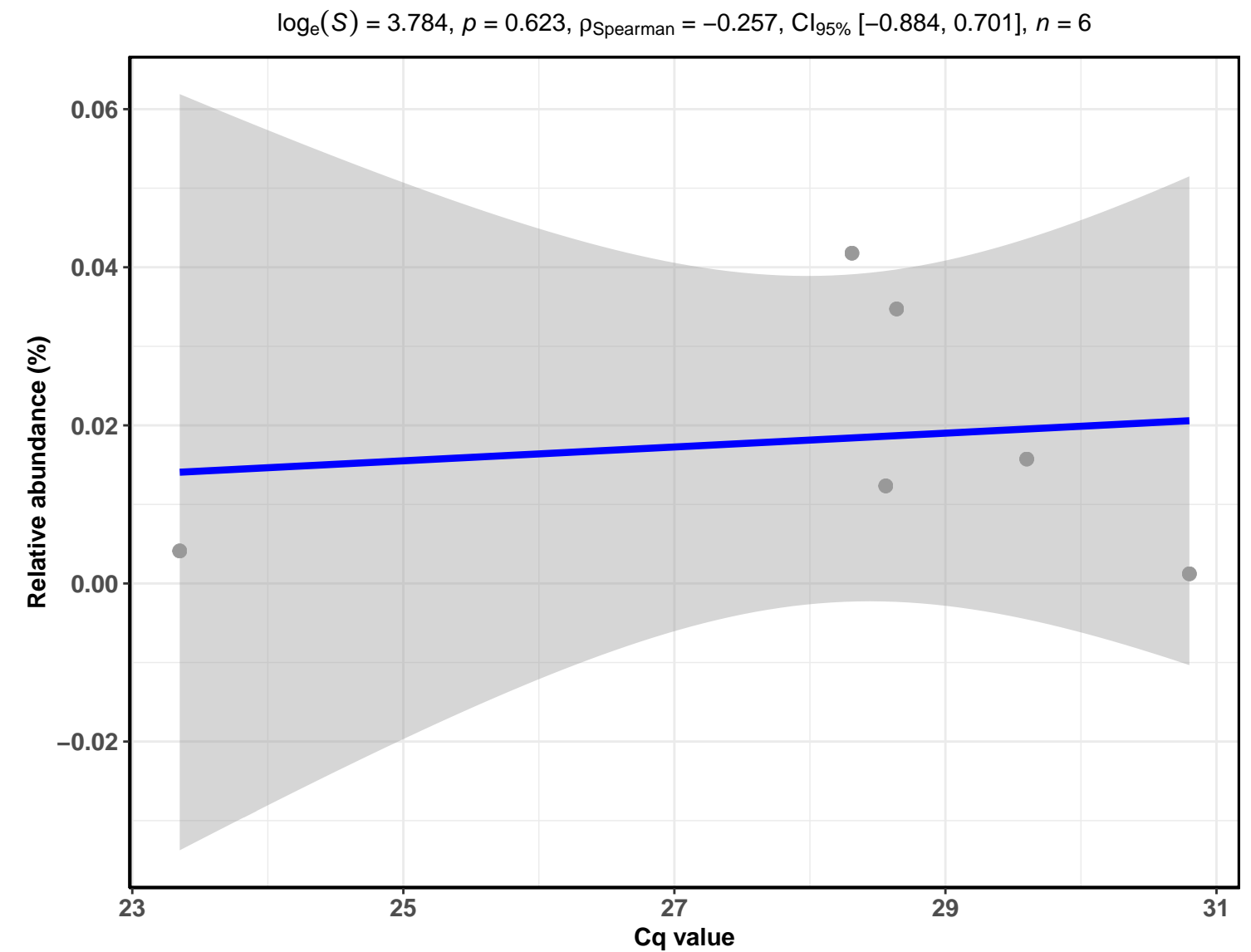
Correlation with all samples



Correlation within the sample type: REF-DIC

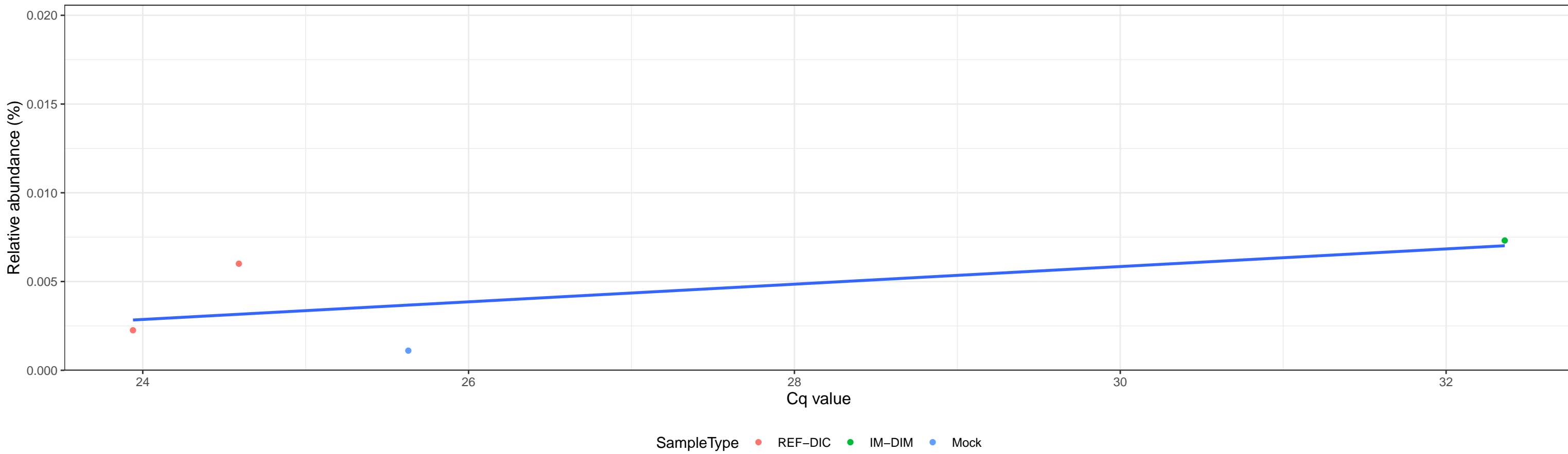


Correlation within the sample type: IM-DIC

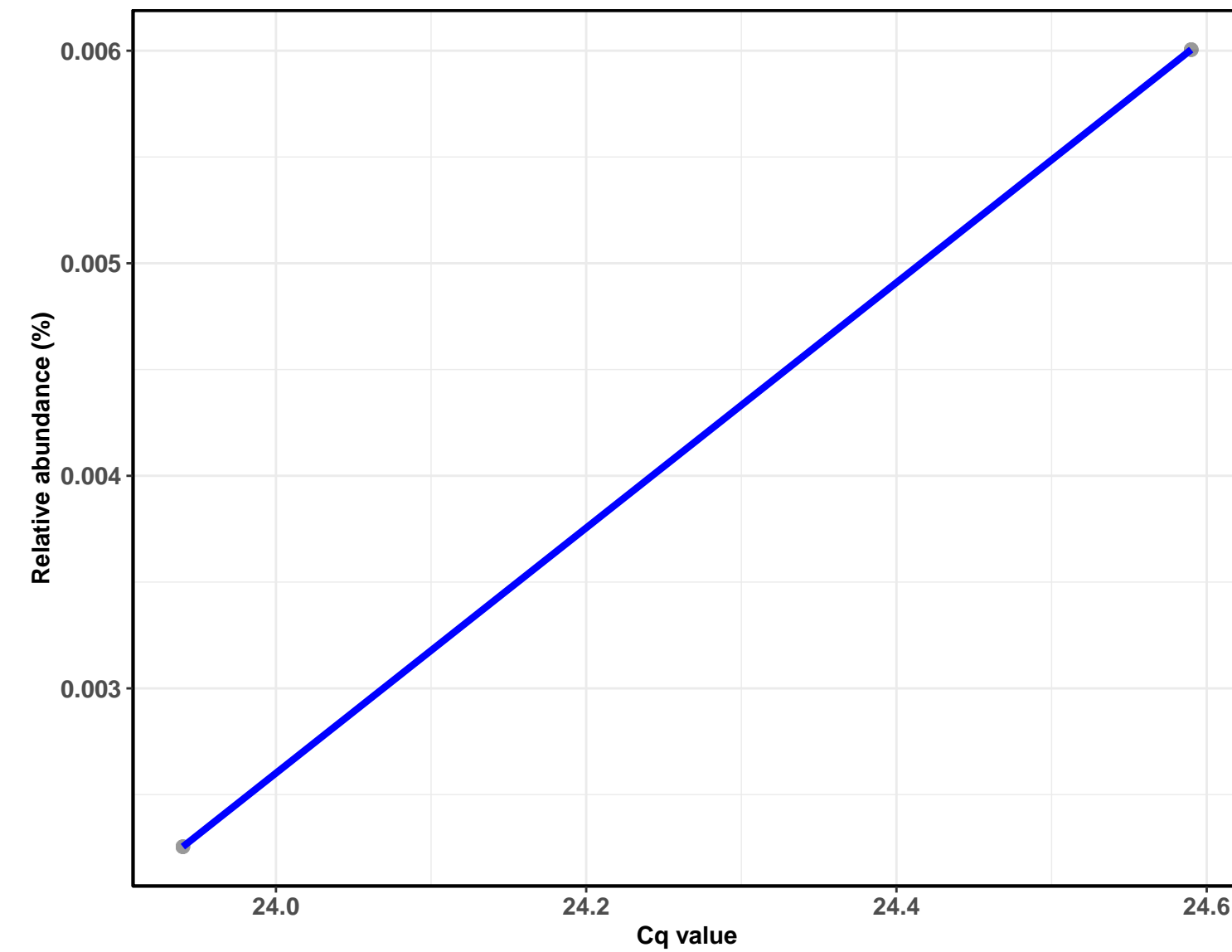


D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Betaproteobacteriales; D_4__Burkholderiaceae; D_5__Acidovorax

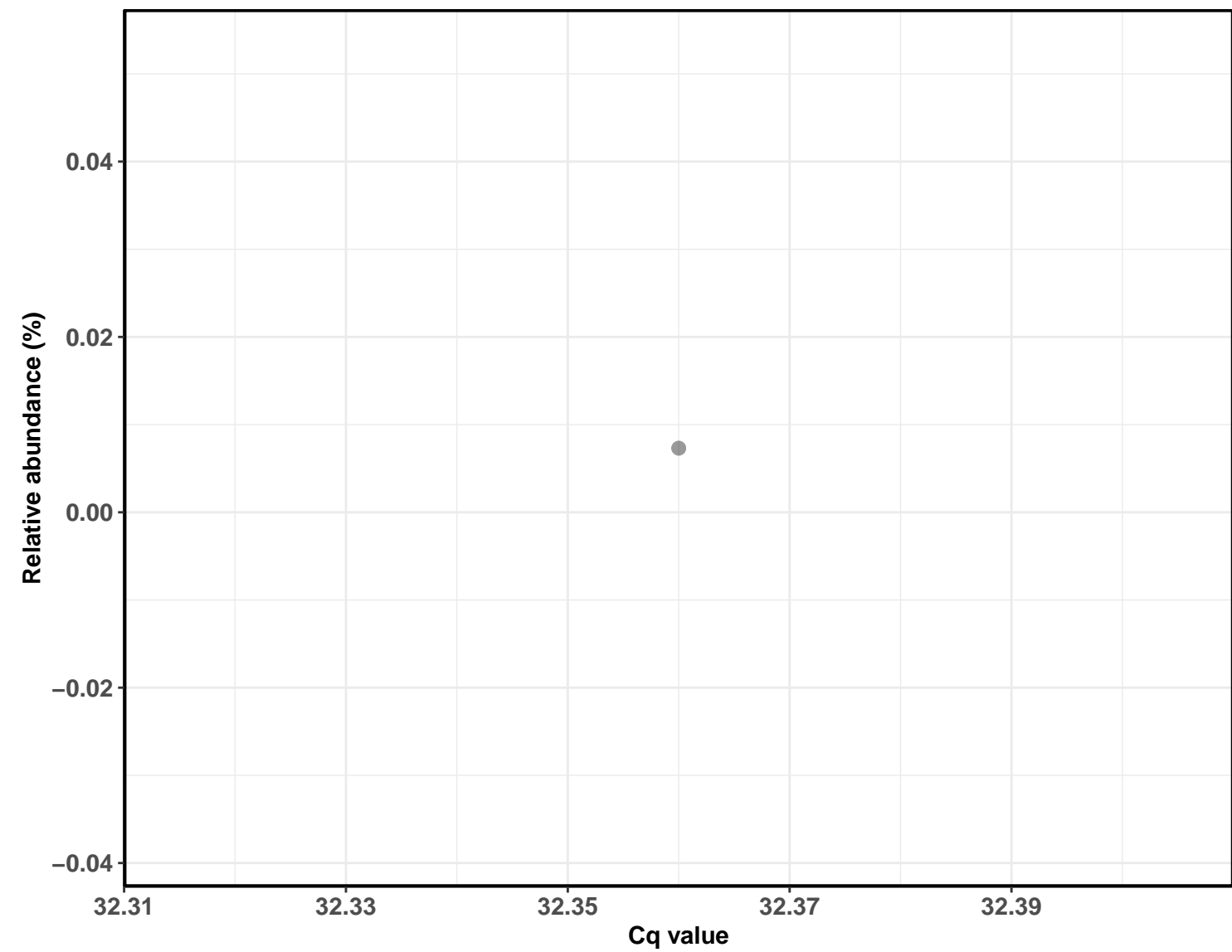
Correlation with all samples



Correlation within the sample type: REF-DIC

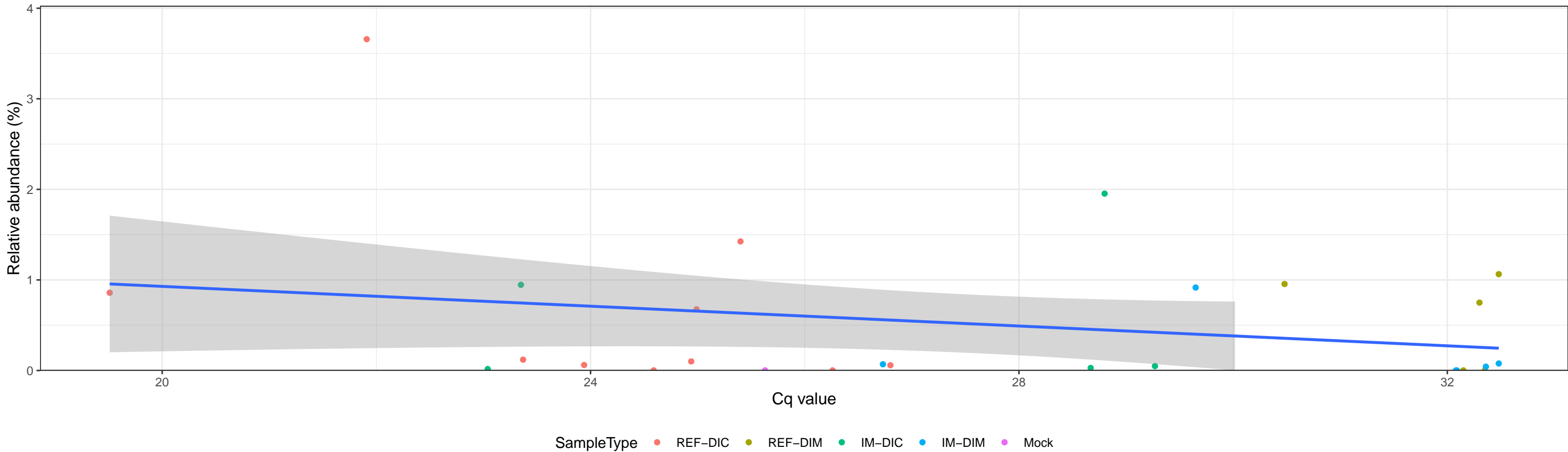


Correlation within the sample type: IM-DIM



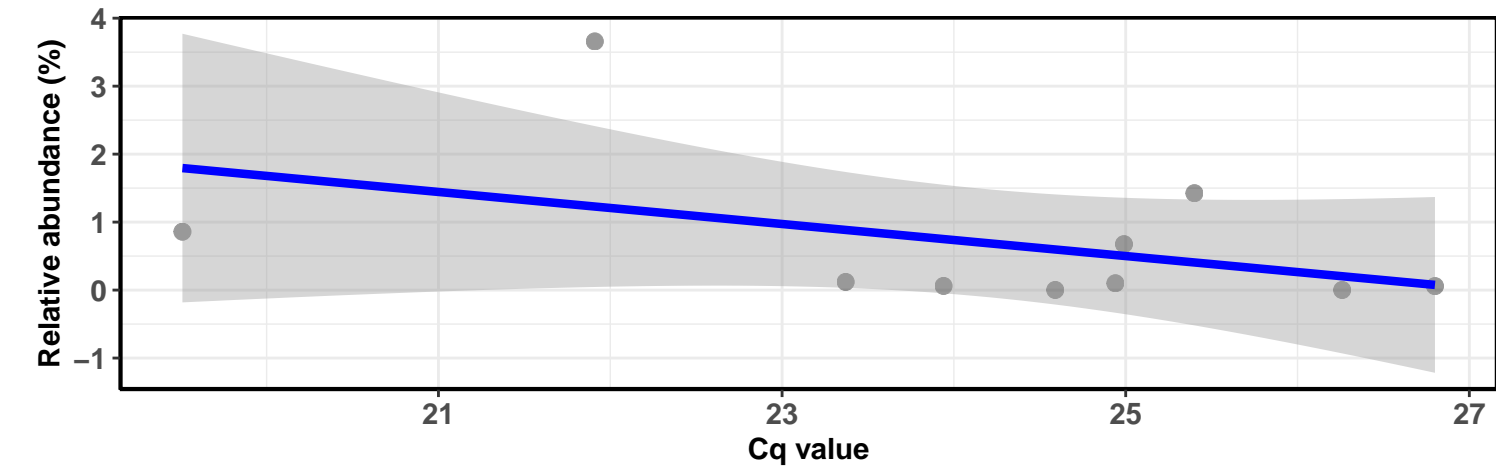
D_0__Bacteria; D_1__Proteobacteria; D_2__Gammaproteobacteria; D_3__Vibrionales; D_4__Vibrionaceae; D_5__Aliivibrio; Ambiguous_taxa

Correlation with all samples

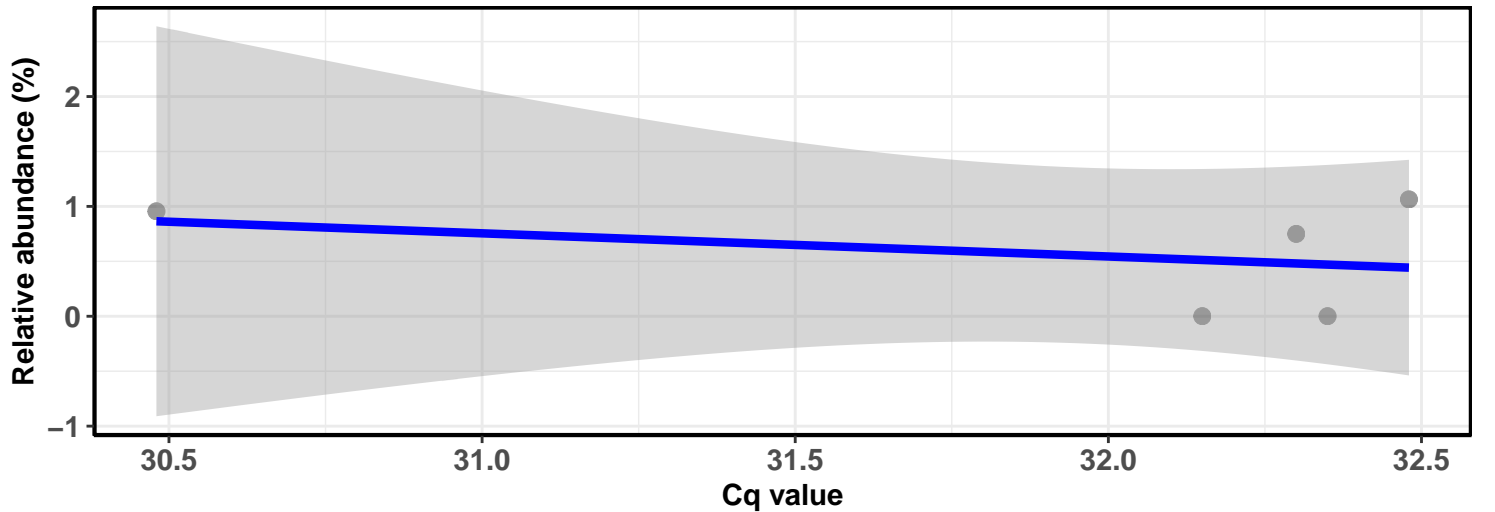


Correlation within the sample type: REF-DIC

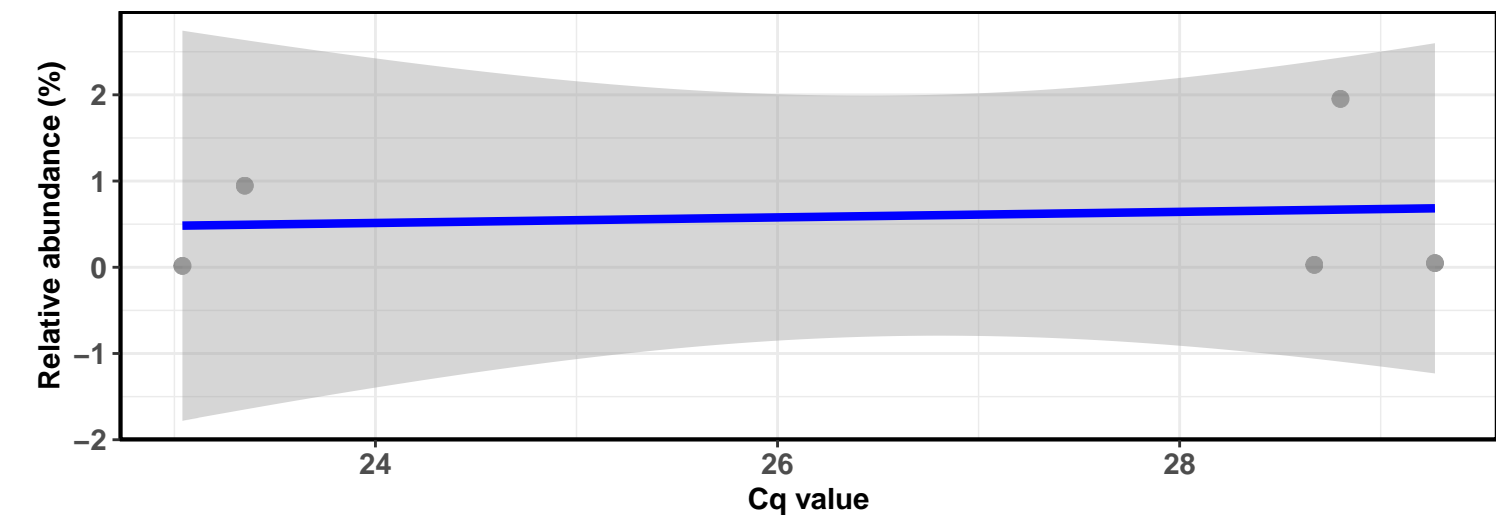
$\log_e(S) = 5.505$, $p = 0.150$, $\rho_{\text{Spearman}} = -0.491$, $CI_{95\%} [-0.856, 0.201]$, $n = 10$



Correlation within the sample type: REF-DIM

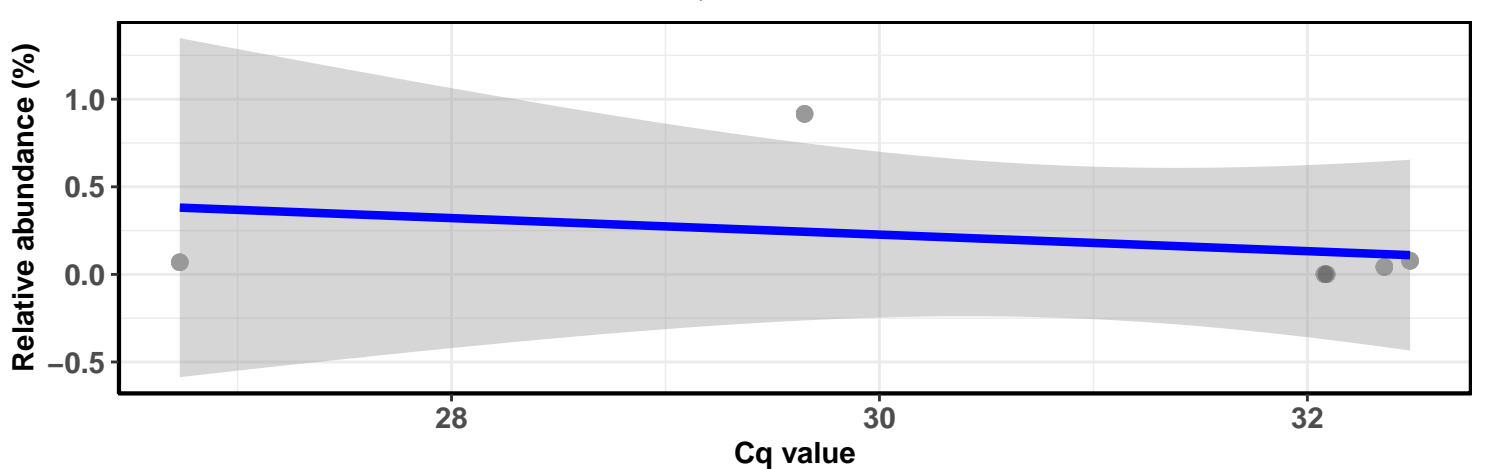


Correlation within the sample type: IM-DIC



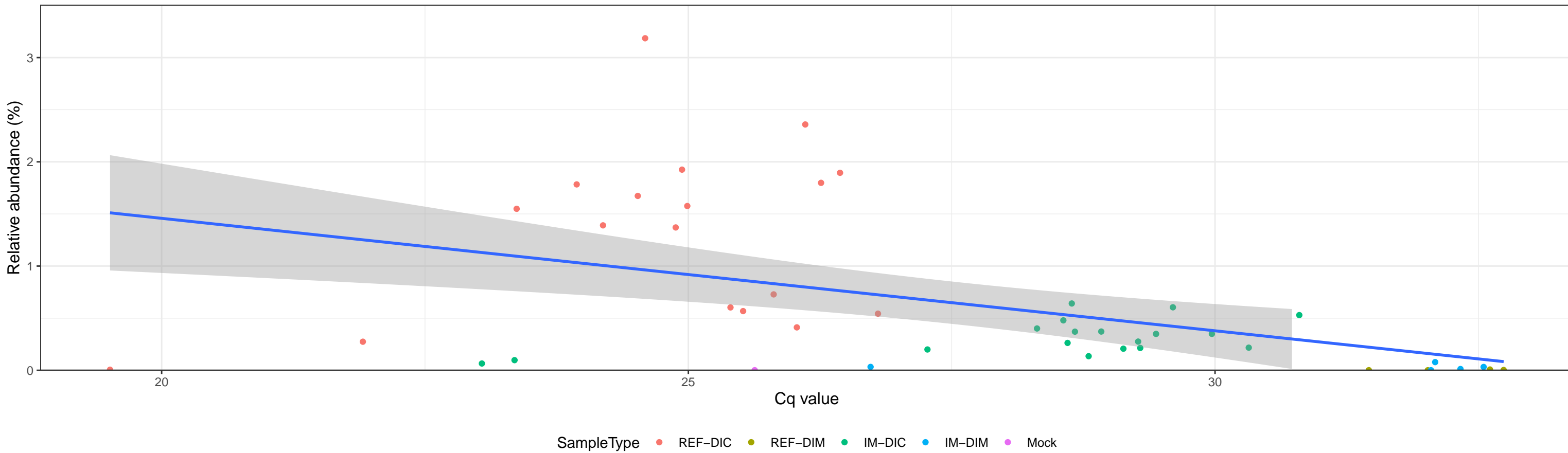
Correlation within the sample type: IM-DIM

$\log_e(S) = 3.689$, $p = 0.787$, $\rho_{\text{Spearman}} = -0.143$, $CI_{95\%} [-0.855, 0.756]$, $n = 6$



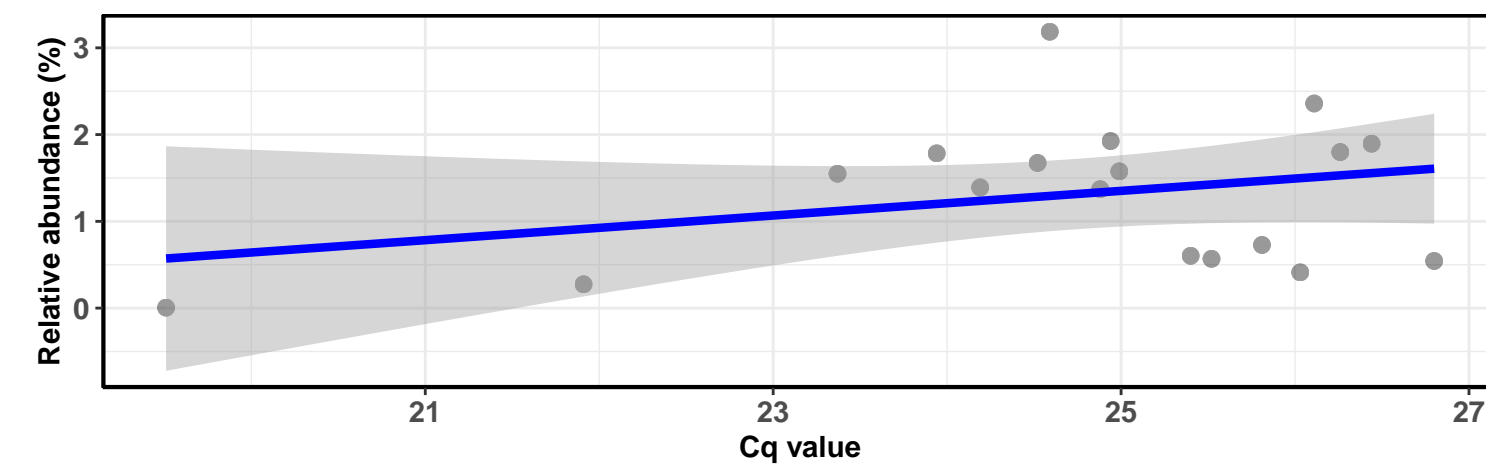
D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Leuconostocaceae; D_5__Weissella; D_6__uncultured bacterium

Correlation with all samples

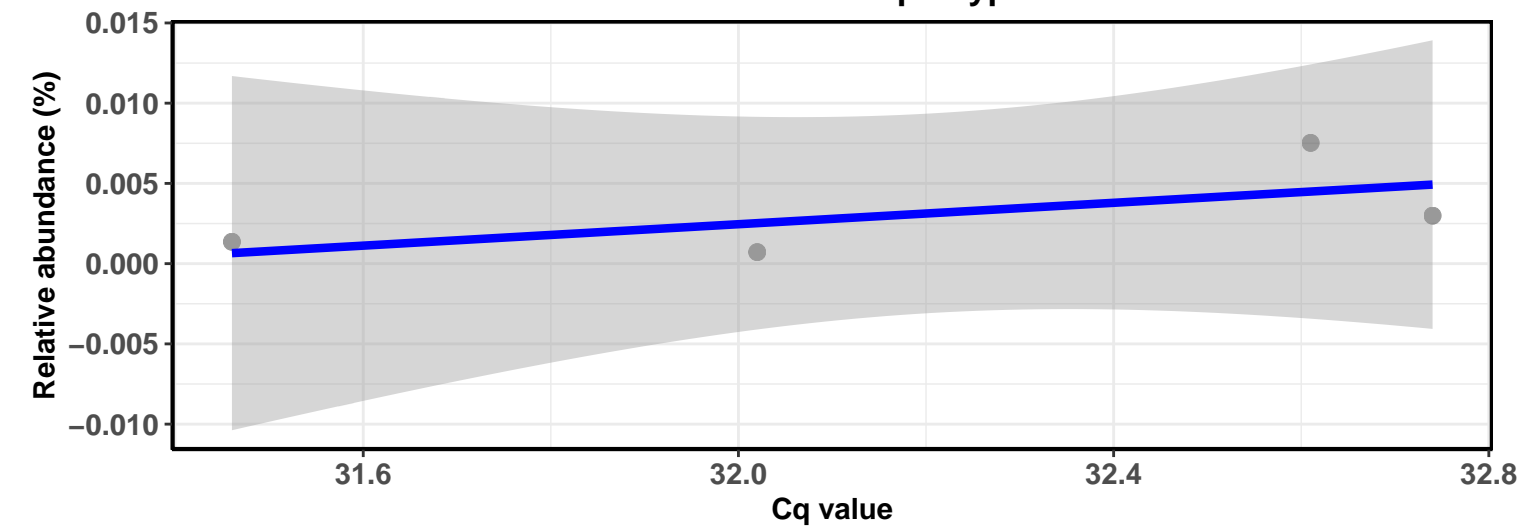


Correlation within the sample type: REF-DIC

$\log_e(S) = 6.675$, $p = 0.468$, $\rho_{\text{Spearman}} = 0.183$, $CI_{95\%} [-0.311, 0.598]$, $n = 18$

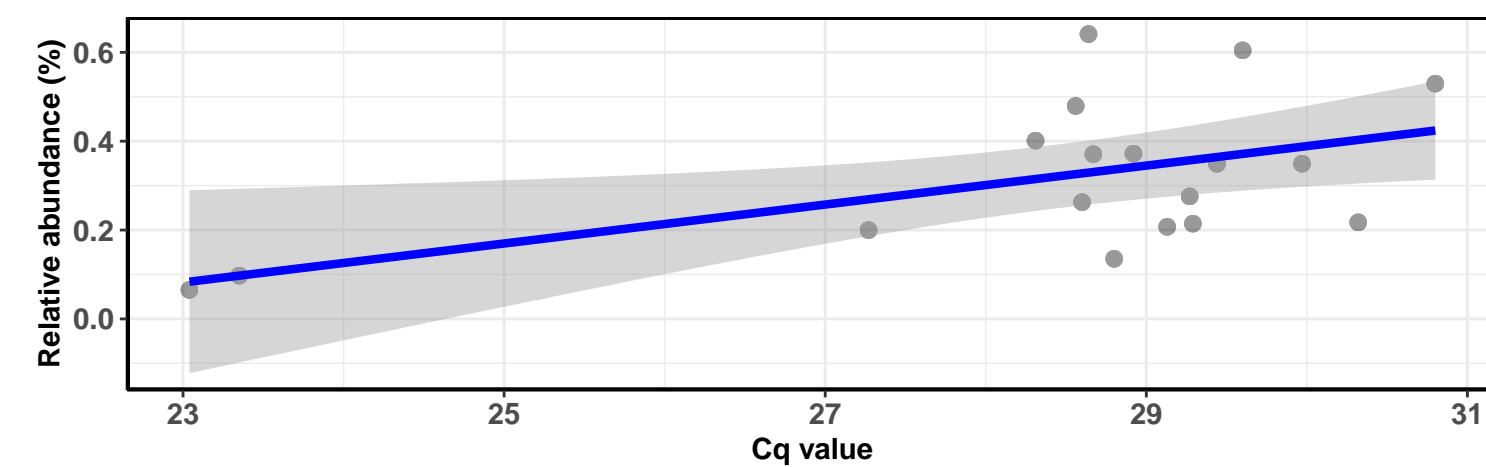


Correlation within the sample type: REF-DIM

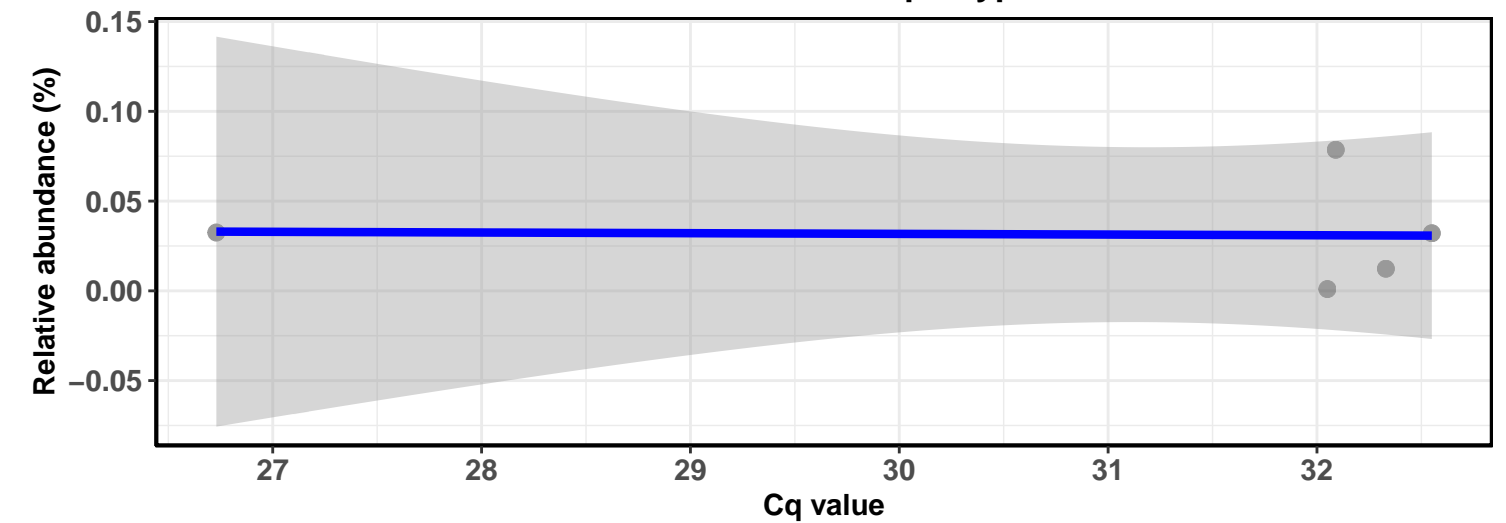


Correlation within the sample type: IM-DIC

$\log_e(S) = 6.446$, $p = 0.155$, $\rho_{\text{Spearman}} = 0.350$, $CI_{95\%} [-0.140, 0.702]$, $n = 18$

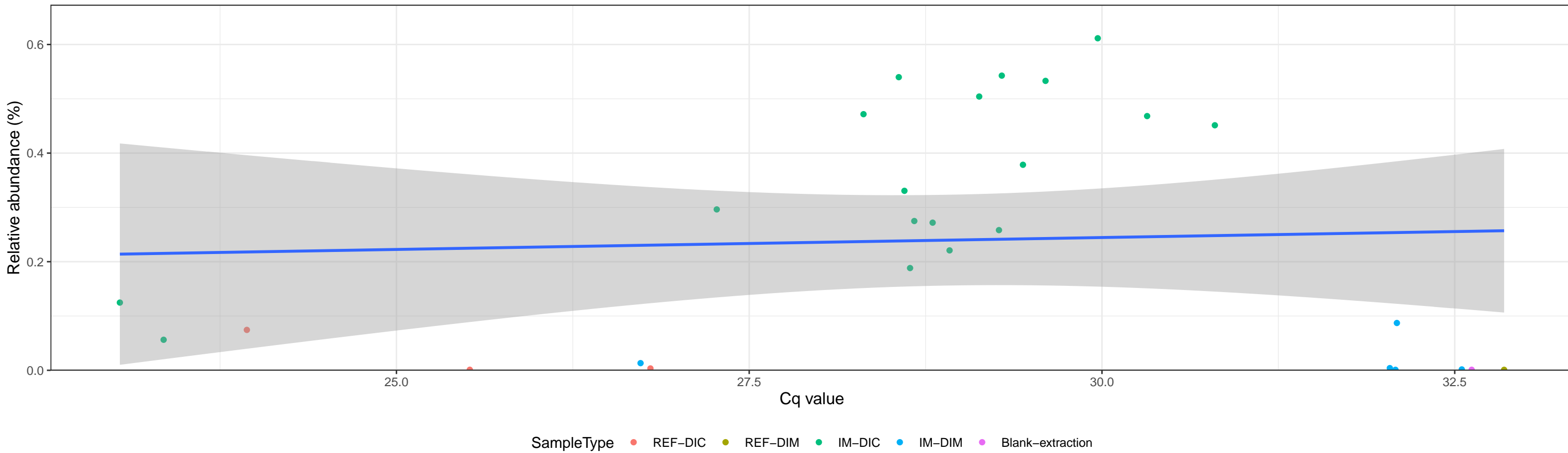


Correlation within the sample type: IM-DIM

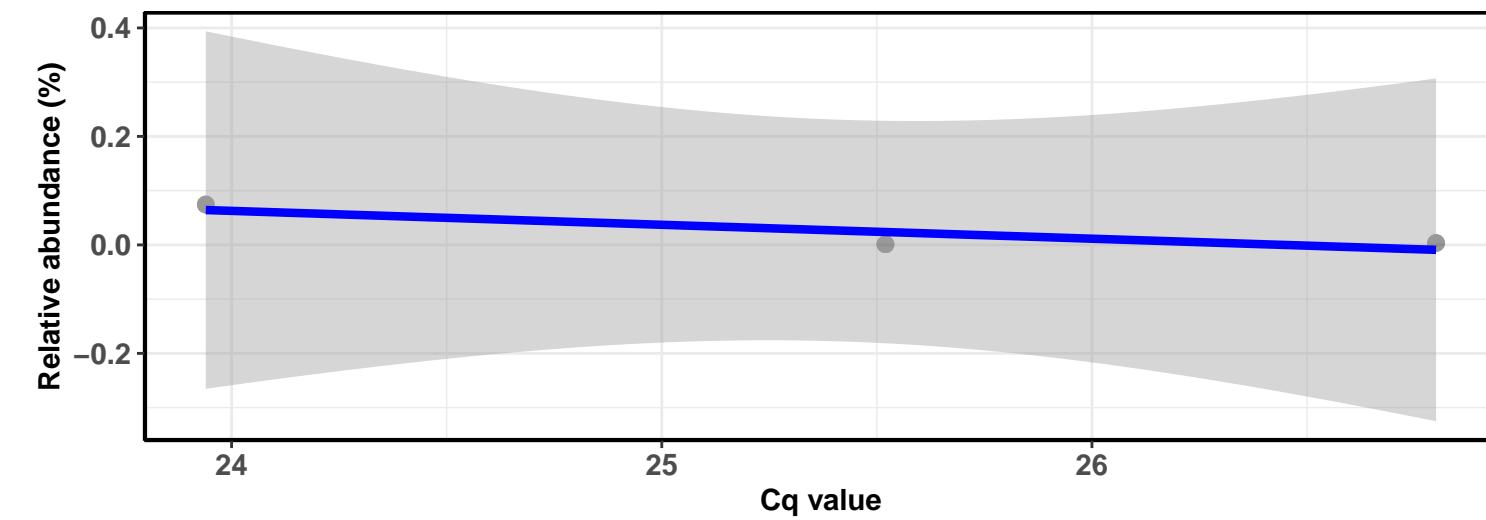


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Ornithinibacillus; Ambiguous_taxa

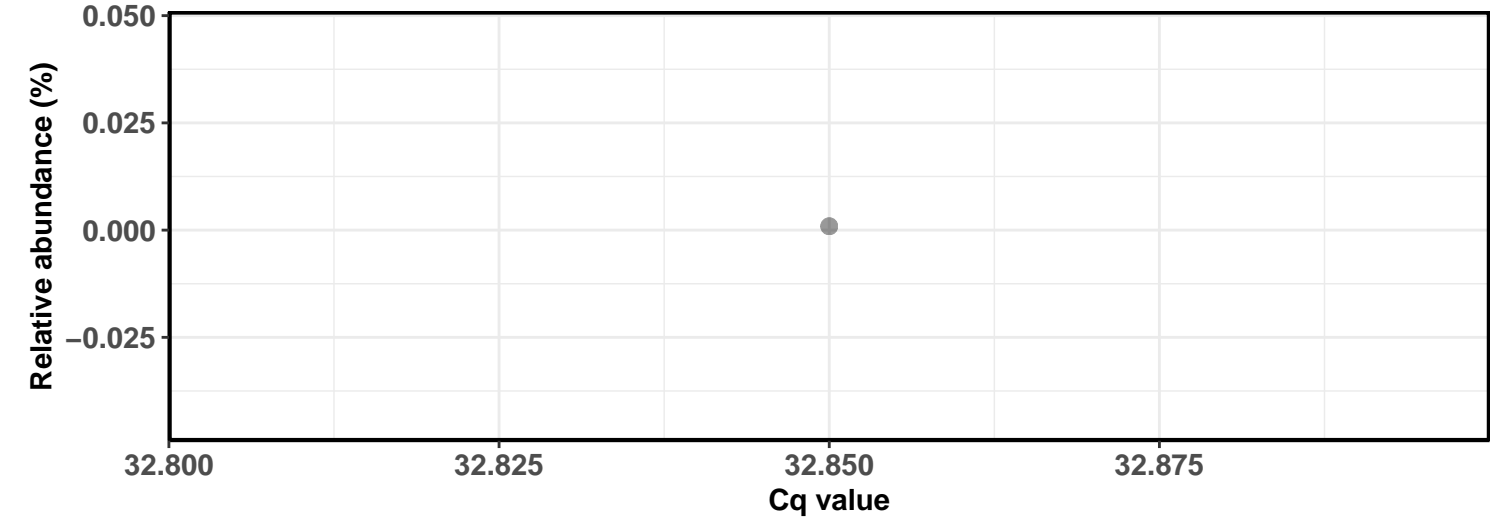
Correlation with all samples



Correlation within the sample type: REF-DIC

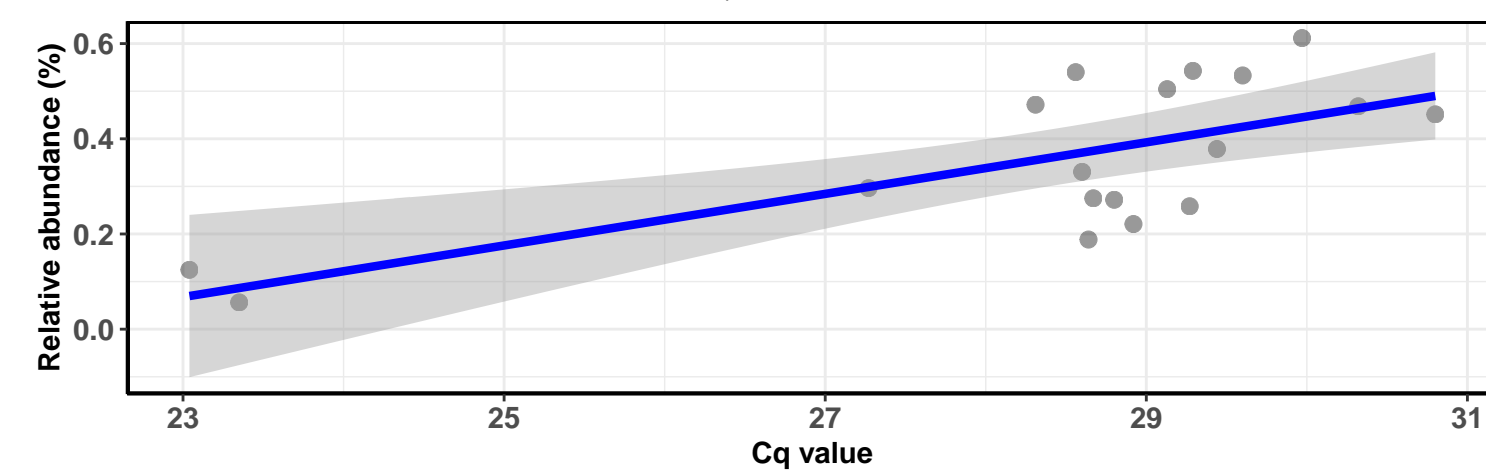


Correlation within the sample type: REF-DIM

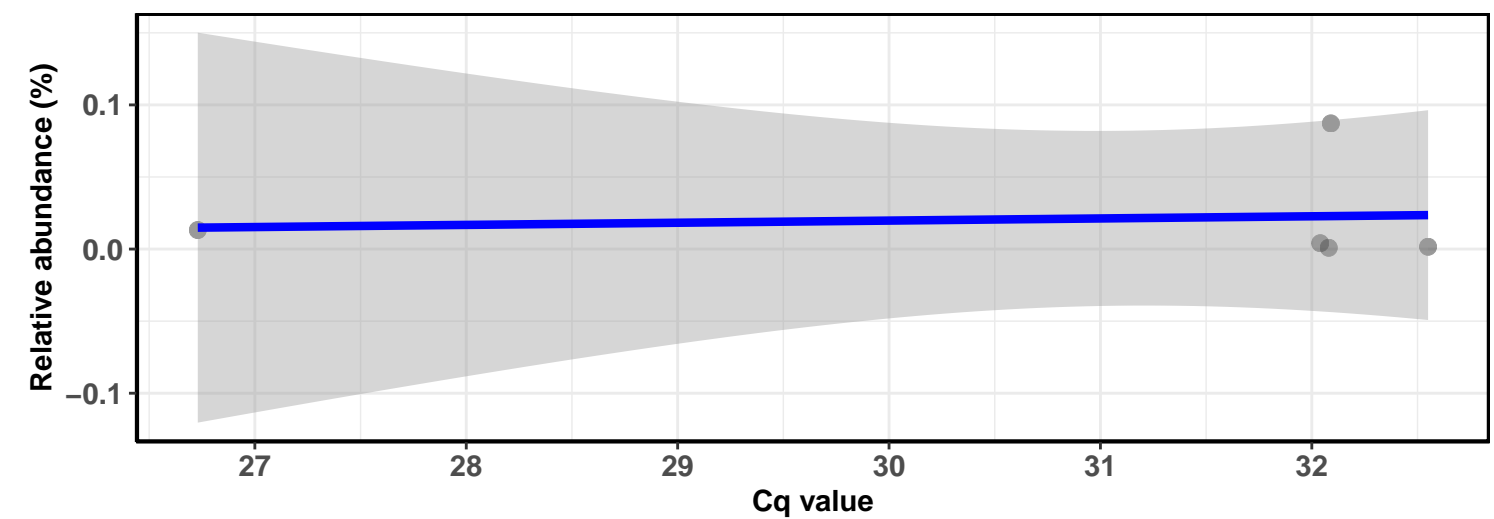


Correlation within the sample type: IM-DIC

$\log_e(S) = 6.148$, $p = 0.028$, $\rho_{\text{Spearman}} = 0.517$, $CI_{95\%} [0.066, 0.793]$, $n = 18$

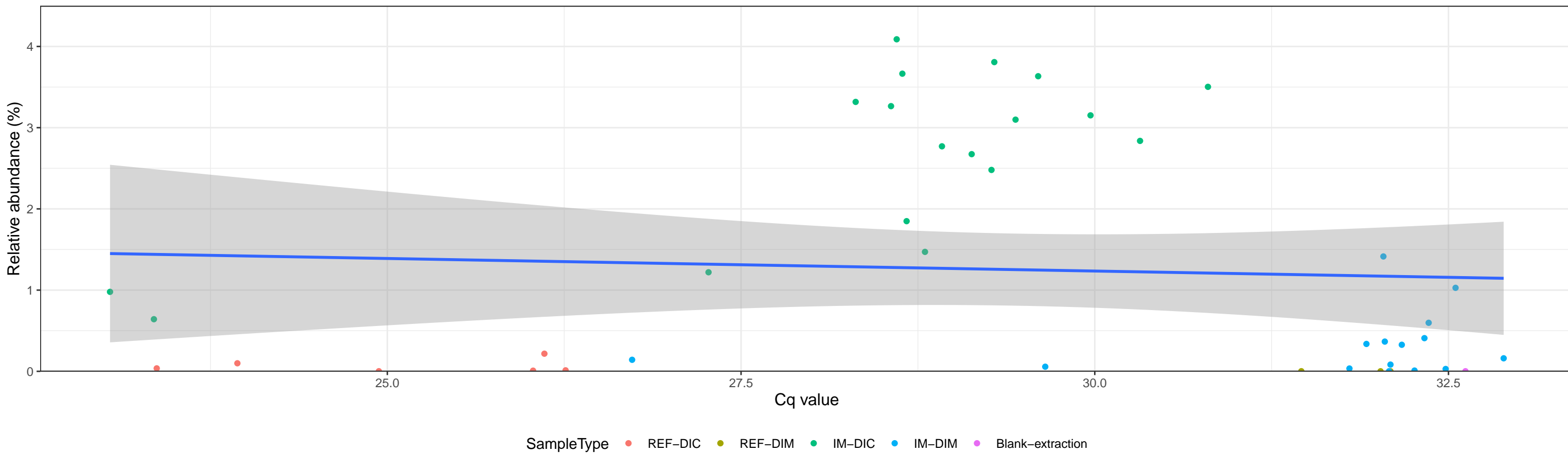


Correlation within the sample type: IM-DIM



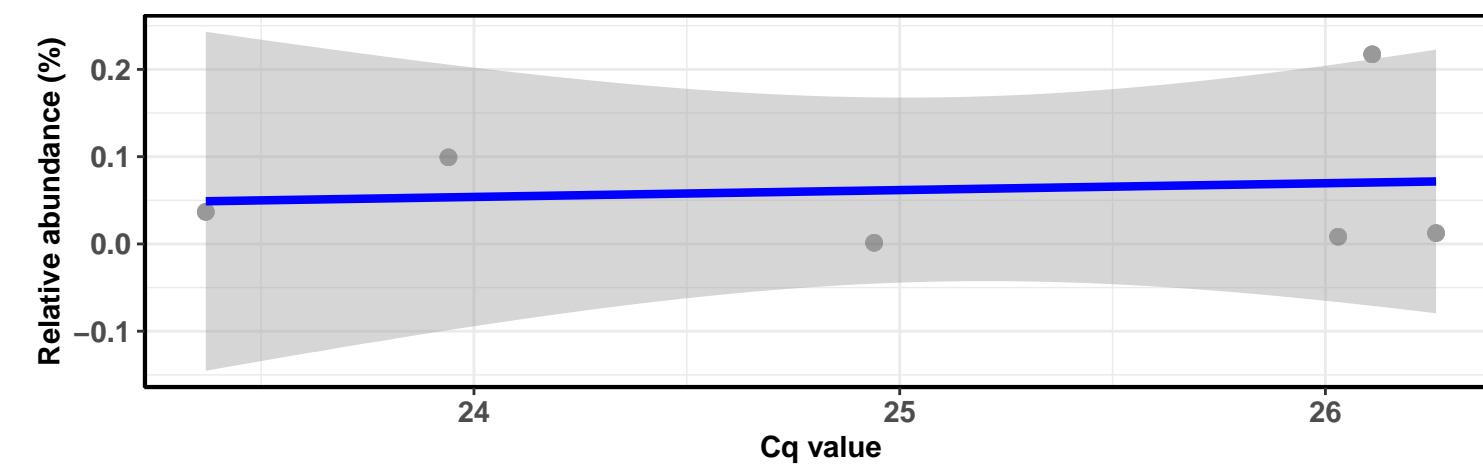
acteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Corynebacteriales; D_4__Corynebacteriaceae; D_5__Corynebacterium 1; D_6__Corynebacterium aurimucosum ATC

Correlation with all samples

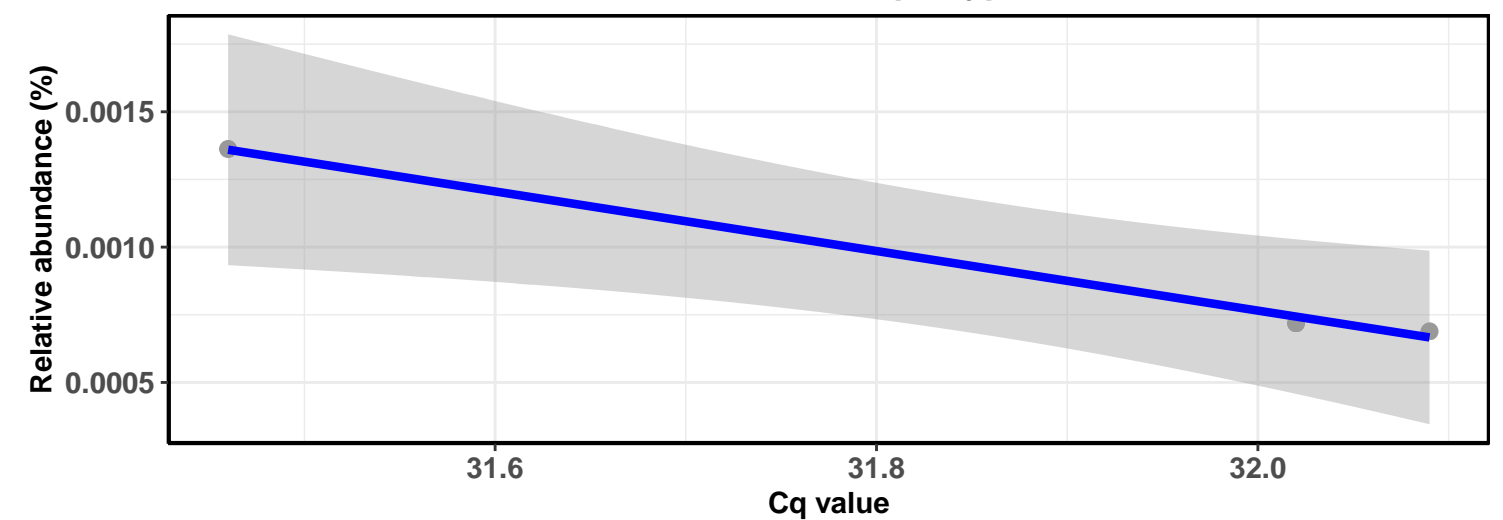


Correlation within the sample type: REF-DIC

$\log_e(S) = 3.584$, $p = 0.957$, $\rho_{\text{Spearman}} = -0.029$, $\text{CI}_{95\%} [-0.821, 0.802]$, $n = 6$

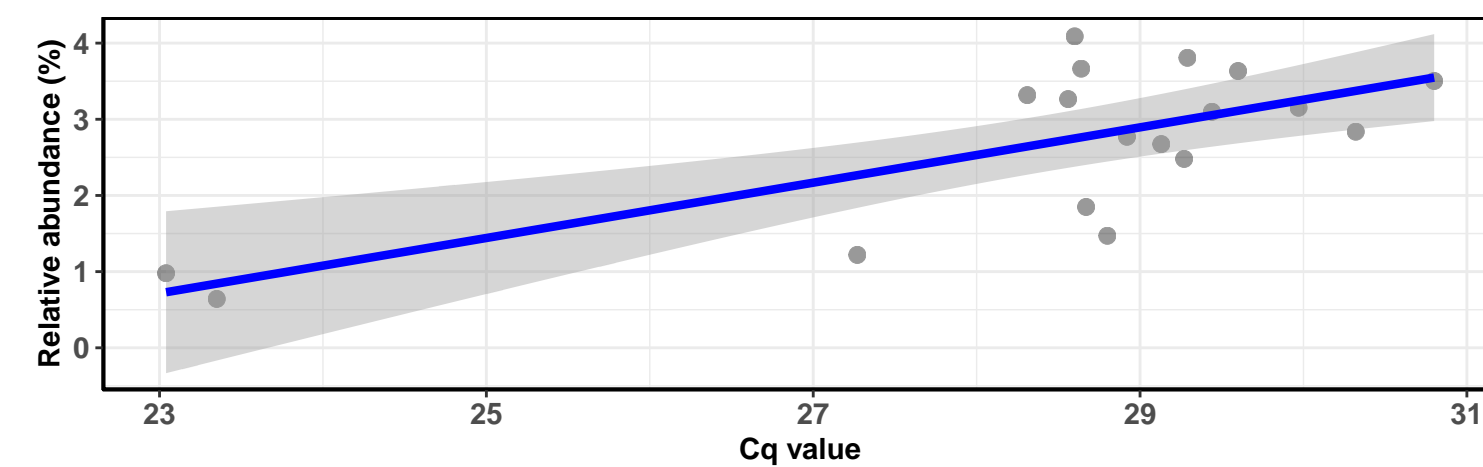


Correlation within the sample type: REF-DIM



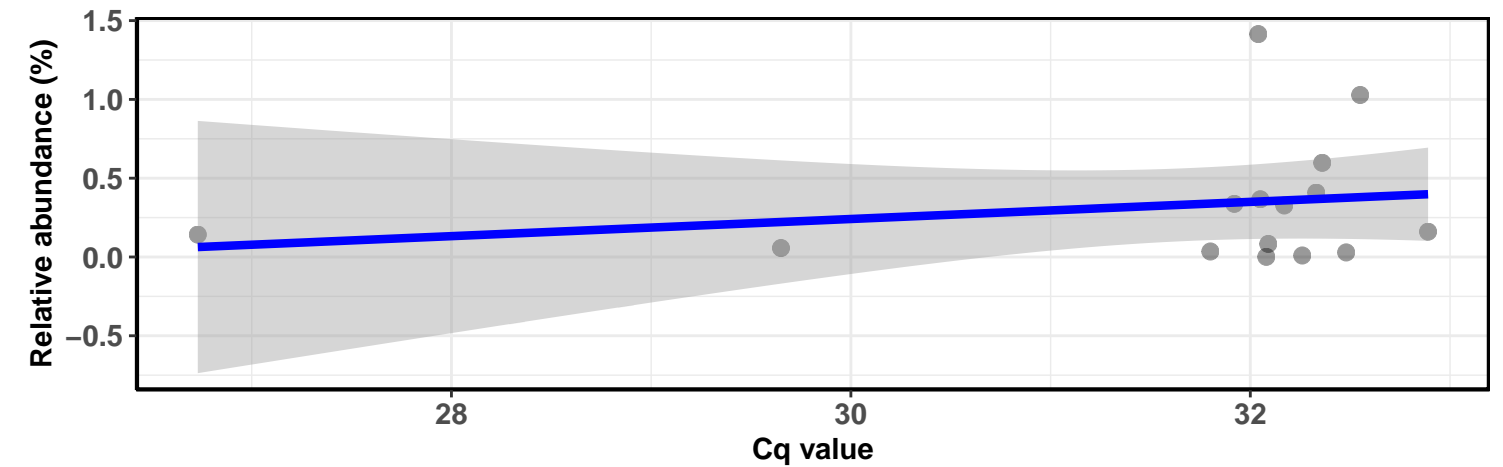
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.370$, $p = 0.103$, $\rho_{\text{Spearman}} = 0.397$, $\text{CI}_{95\%} [-0.085, 0.729]$, $n = 18$

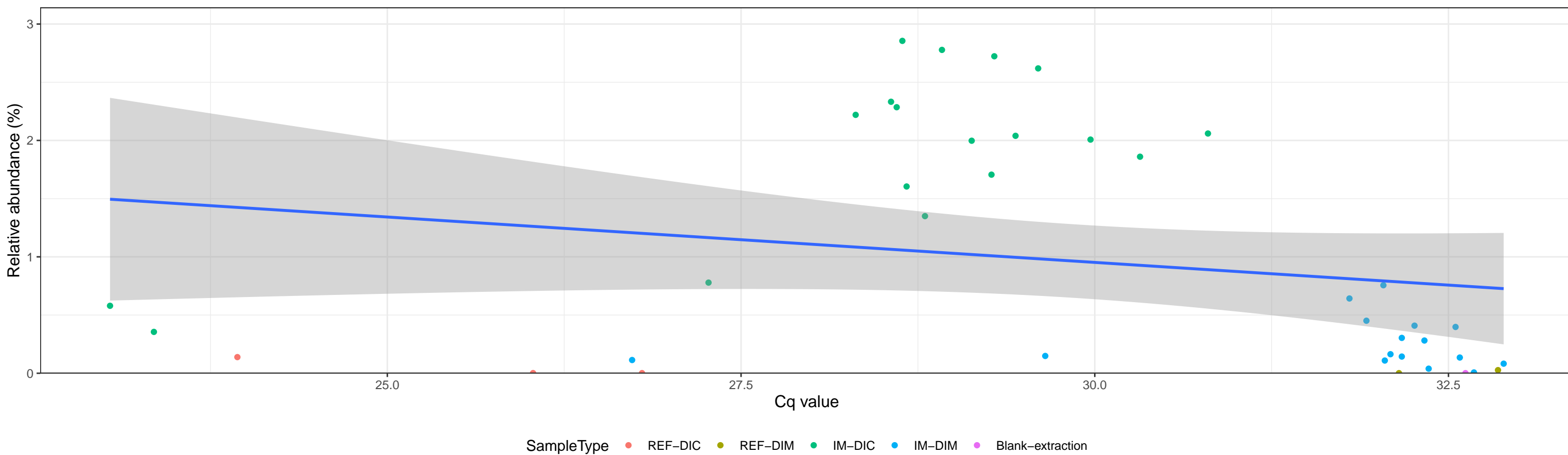


Correlation within the sample type: IM-DIM

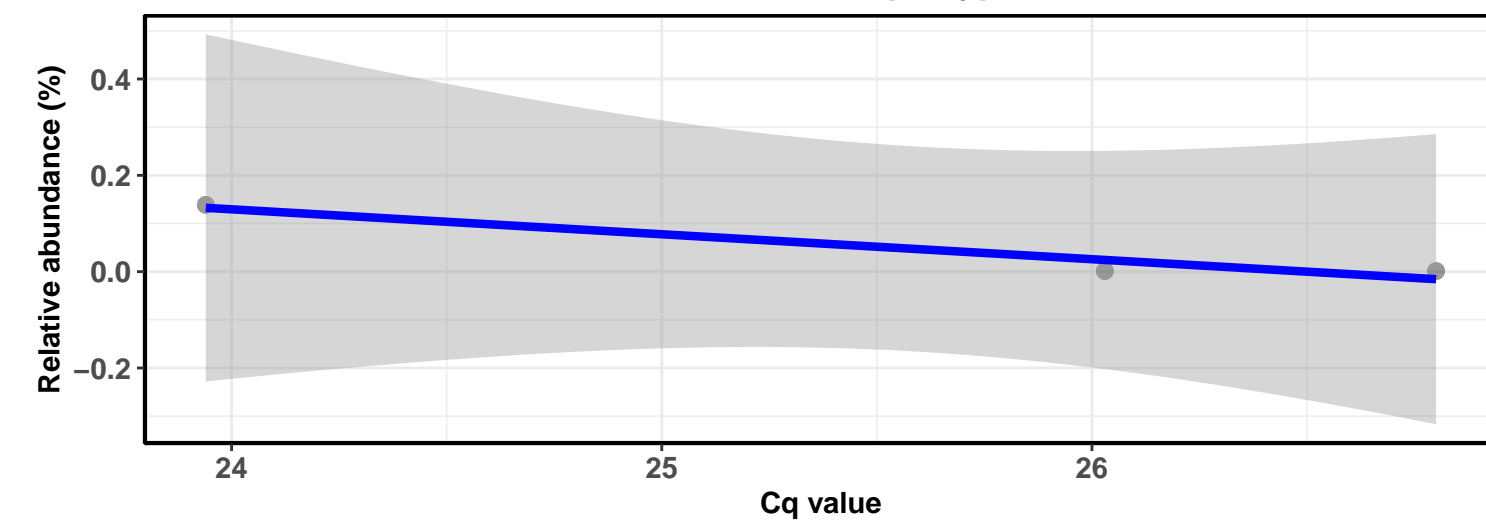
$\log_e(S) = 6.136$, $p = 0.533$, $\rho_{\text{Spearman}} = 0.175$, $\text{CI}_{95\%} [-0.370, 0.631]$, $n = 15$



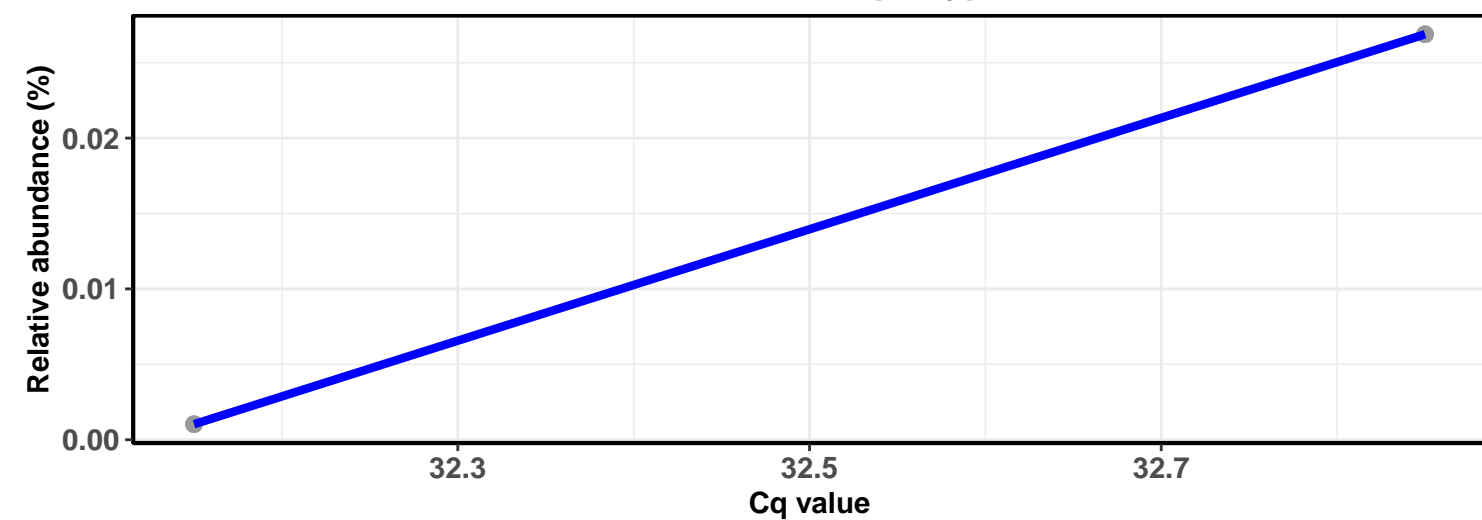
Correlation with all samples



Correlation within the sample type: REF-DIC

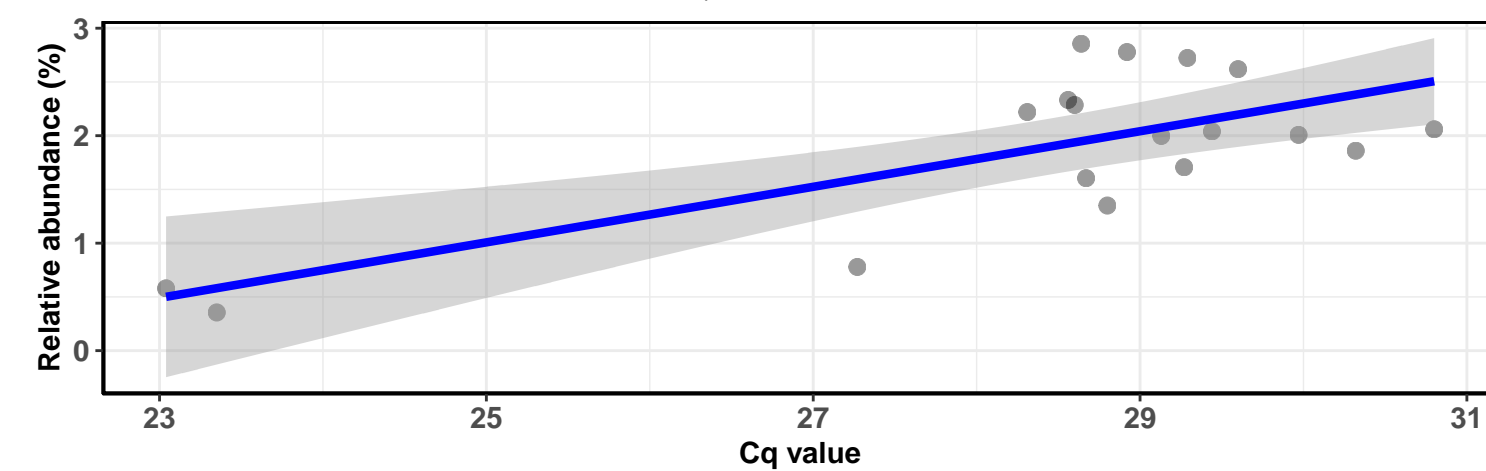


Correlation within the sample type: REF-DIM



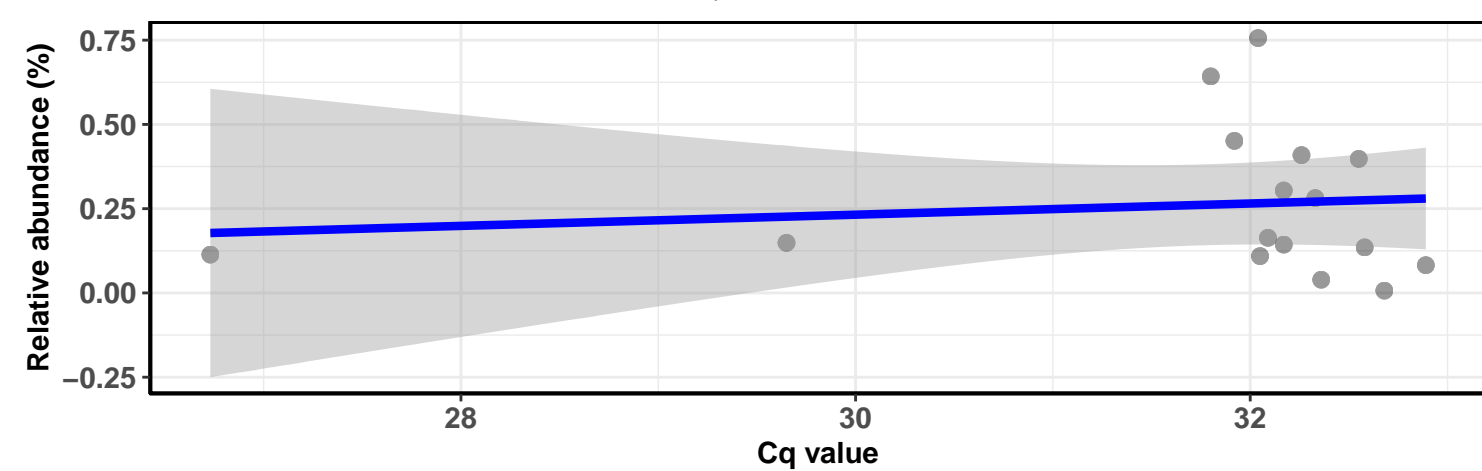
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.504$, $p = 0.210$, $\rho_{\text{Spearman}} = 0.311$, $CI_{95\%} [-0.183, 0.679]$, $n = 18$



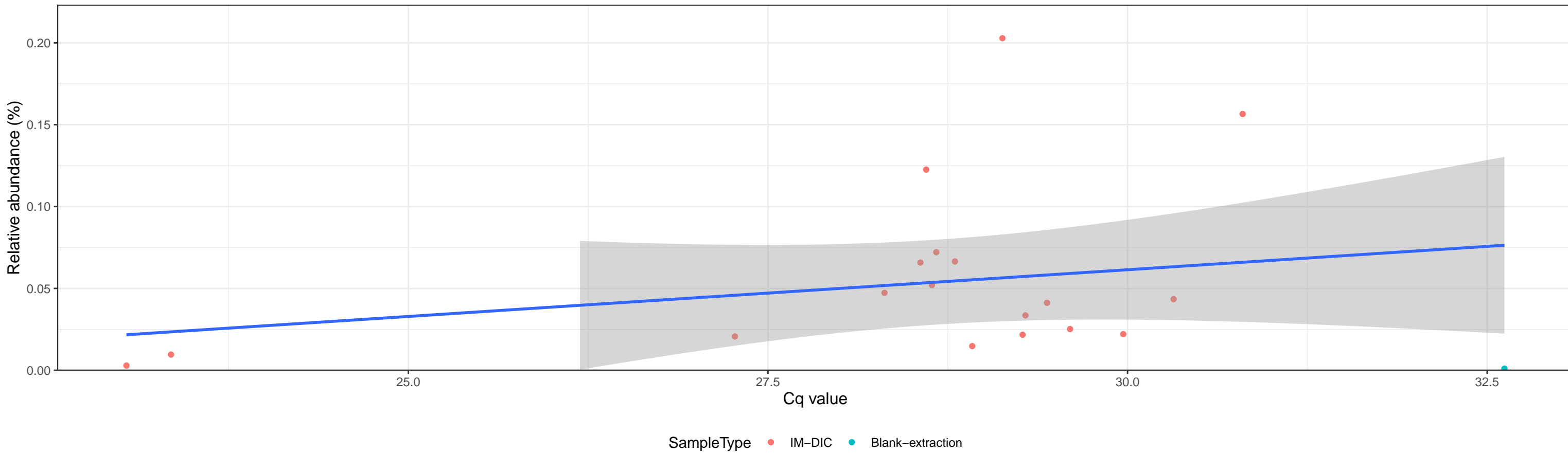
Correlation within the sample type: IM-DIM

$\log_e(S) = 6.882$, $p = 0.094$, $\rho_{\text{Spearman}} = -0.433$, $CI_{95\%} [-0.764, 0.080]$, $n = 16$



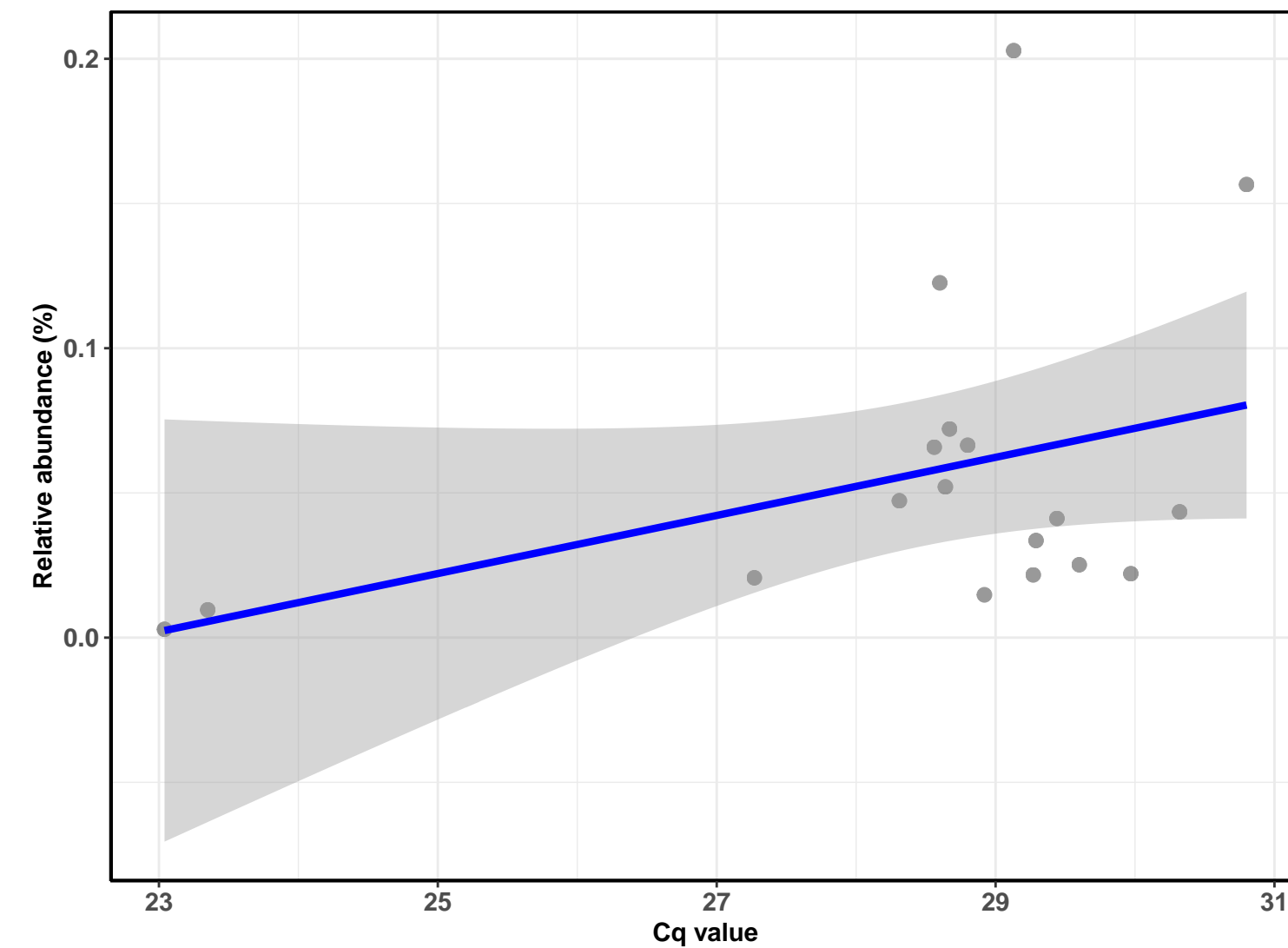
D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Lactobacillales; D_4__Lactobacillaceae; D_5__Lactobacillus; Ambiguous_taxa

Correlation with all samples



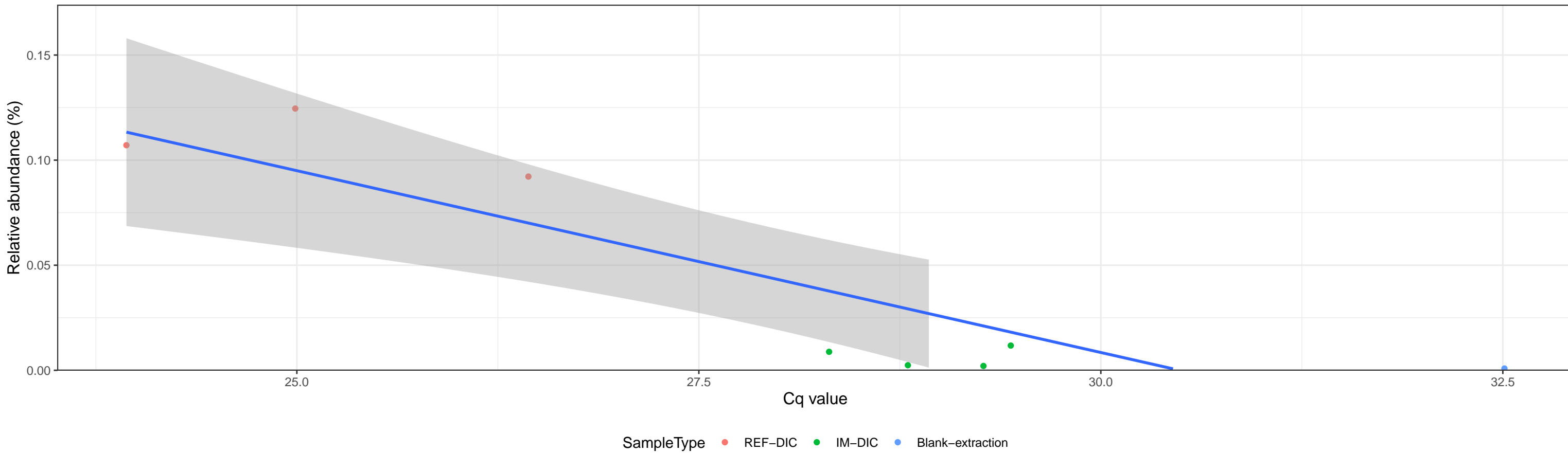
Correlation within the sample type: IM-DIC

$\log_e(S) = 6.585$, $p = 0.311$, $\rho_{\text{Spearman}} = 0.253$, $CI_{95\%} [-0.243, 0.644]$, $n = 18$

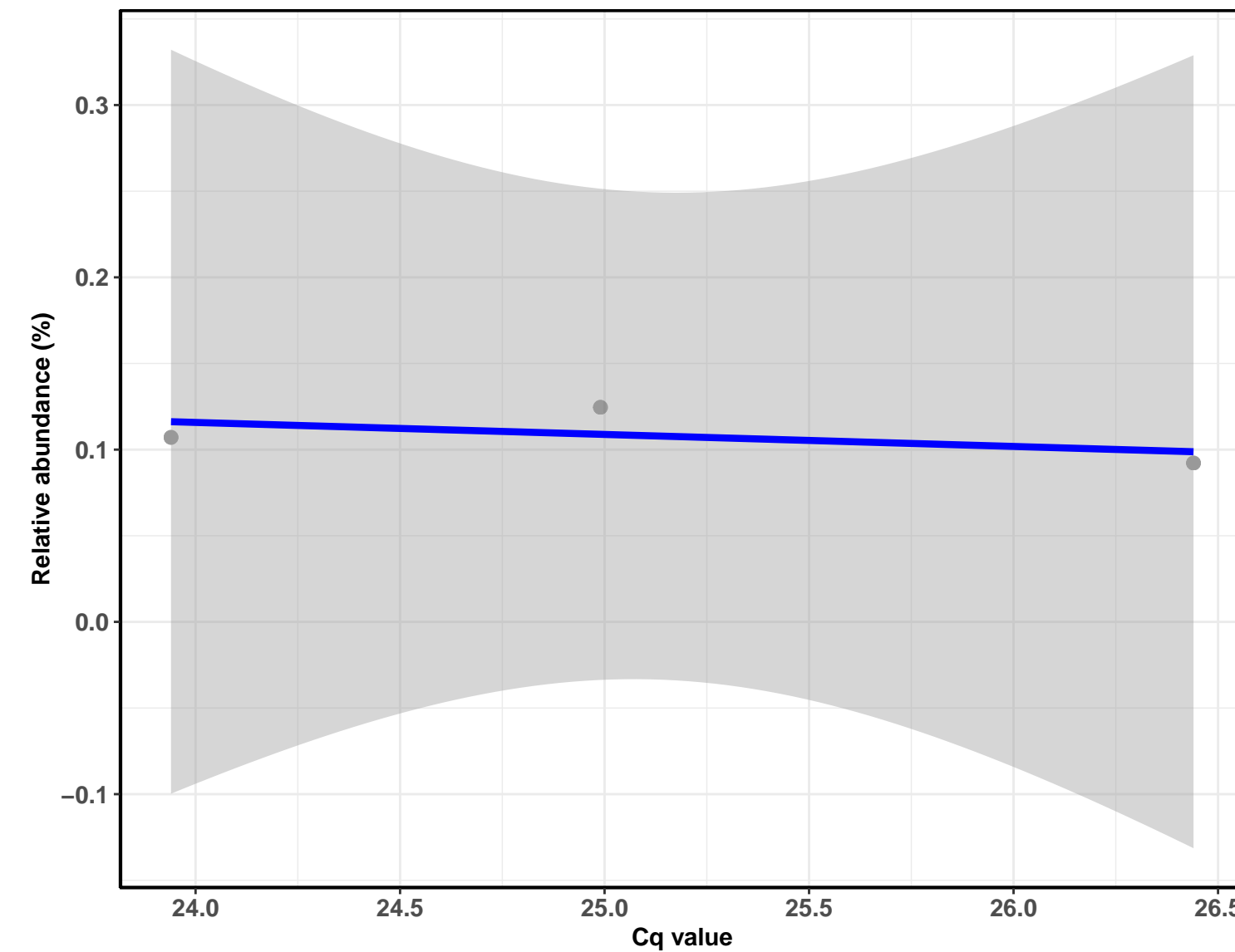


D_0__Bacteria; D_1__Firmicutes; D_2__Erysipelotrichia; D_3__Erysipelotrichales; D_4__Erysipelotrichaceae

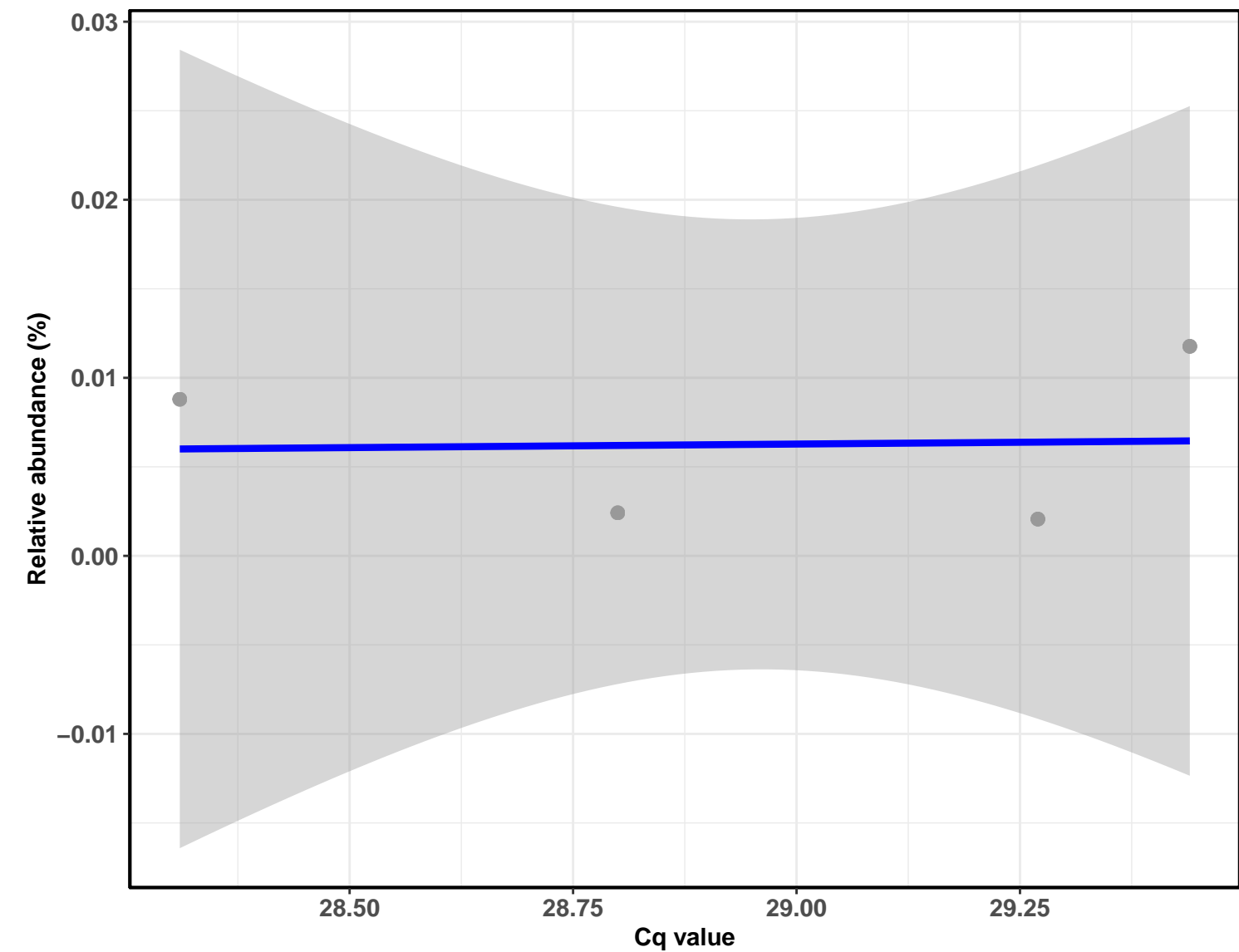
Correlation with all samples



Correlation within the sample type: REF-DIC

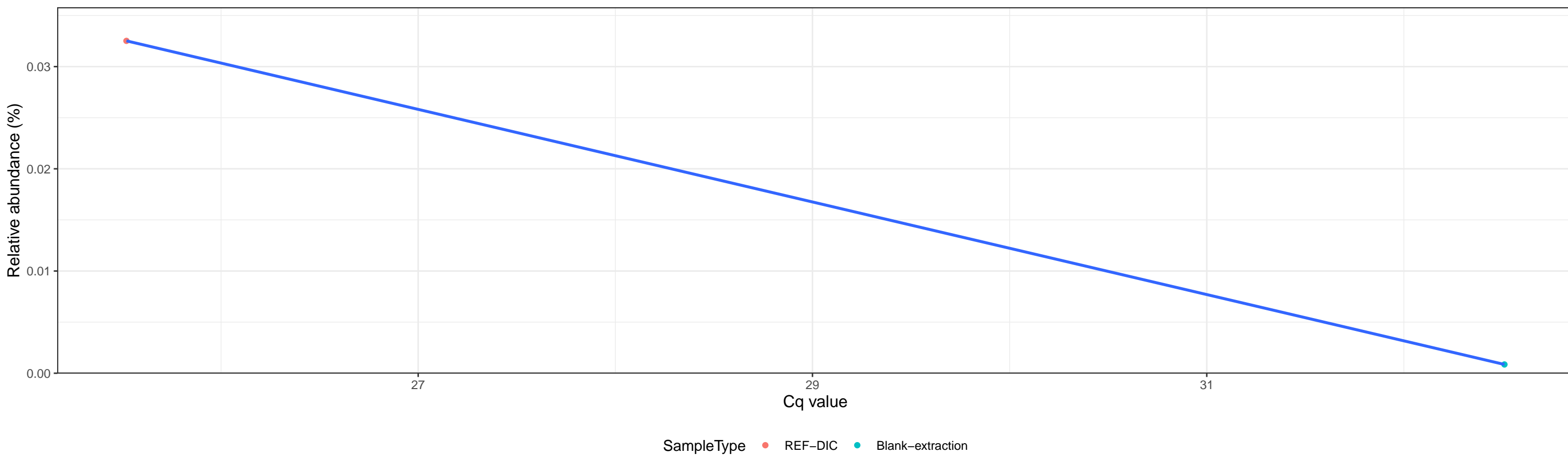


Correlation within the sample type: IM-DIC

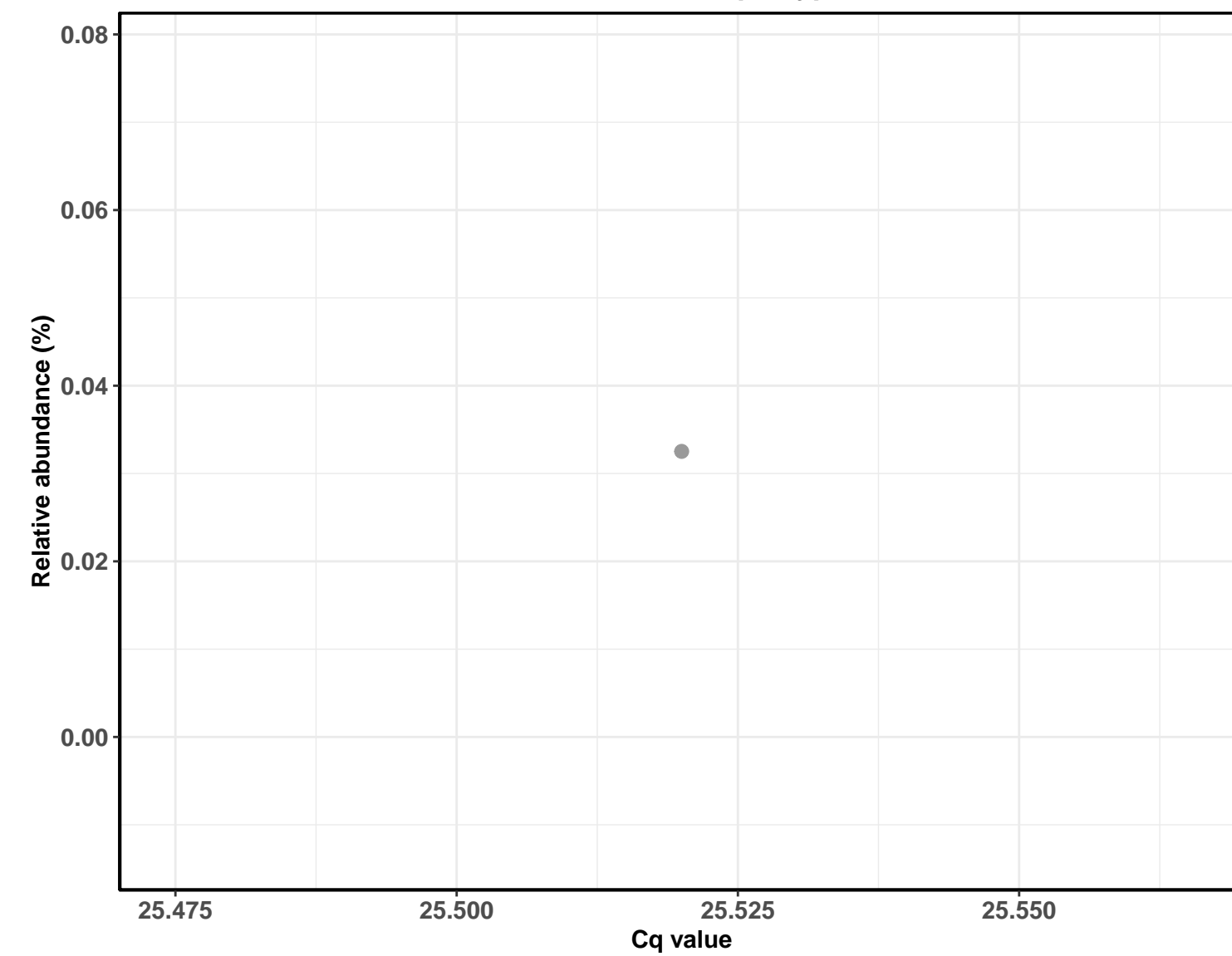


D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Corynebacteriales; D_4__Corynebacteriaceae; D_5__Corynebacterium 1; D_6__uncultured bacterium

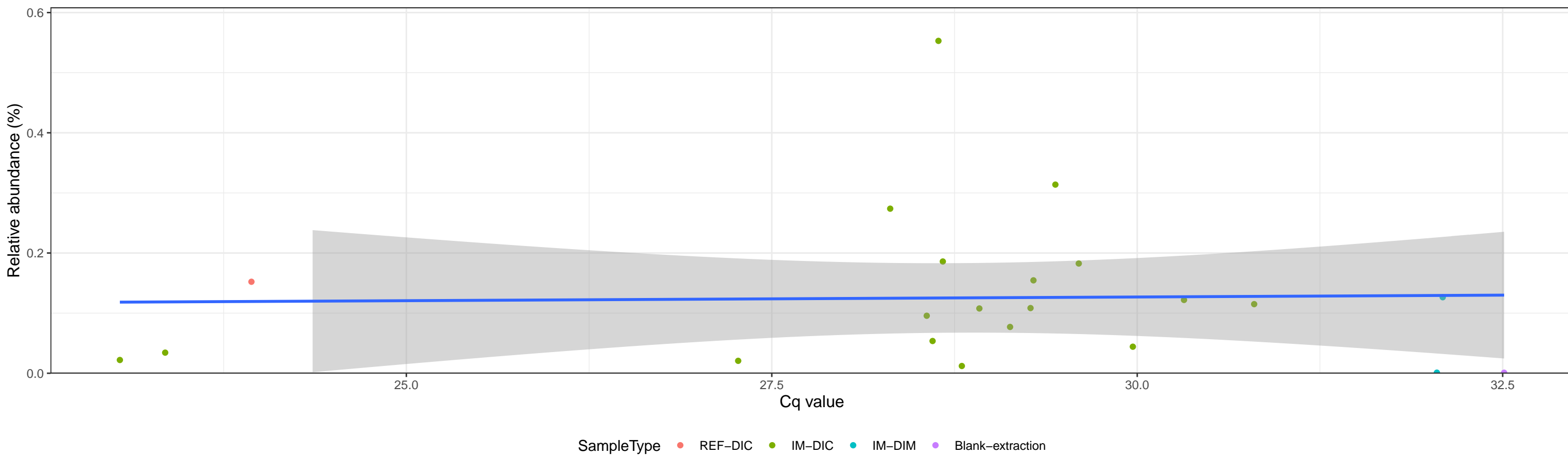
Correlation with all samples



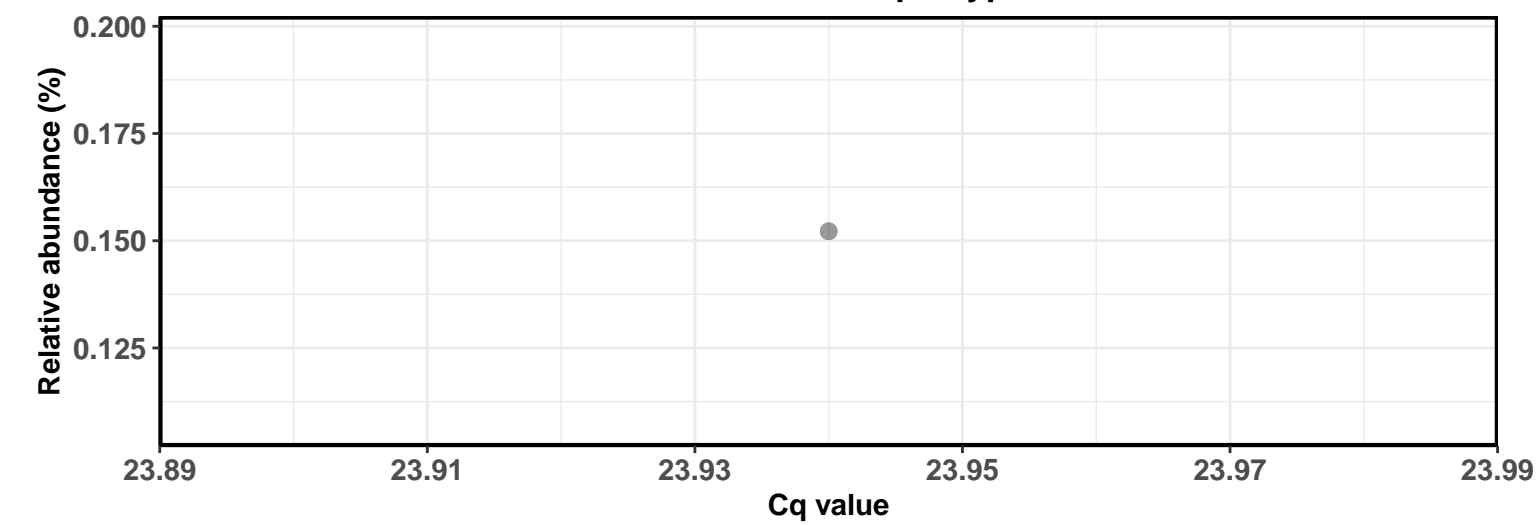
Correlation within the sample type: REF-DIC



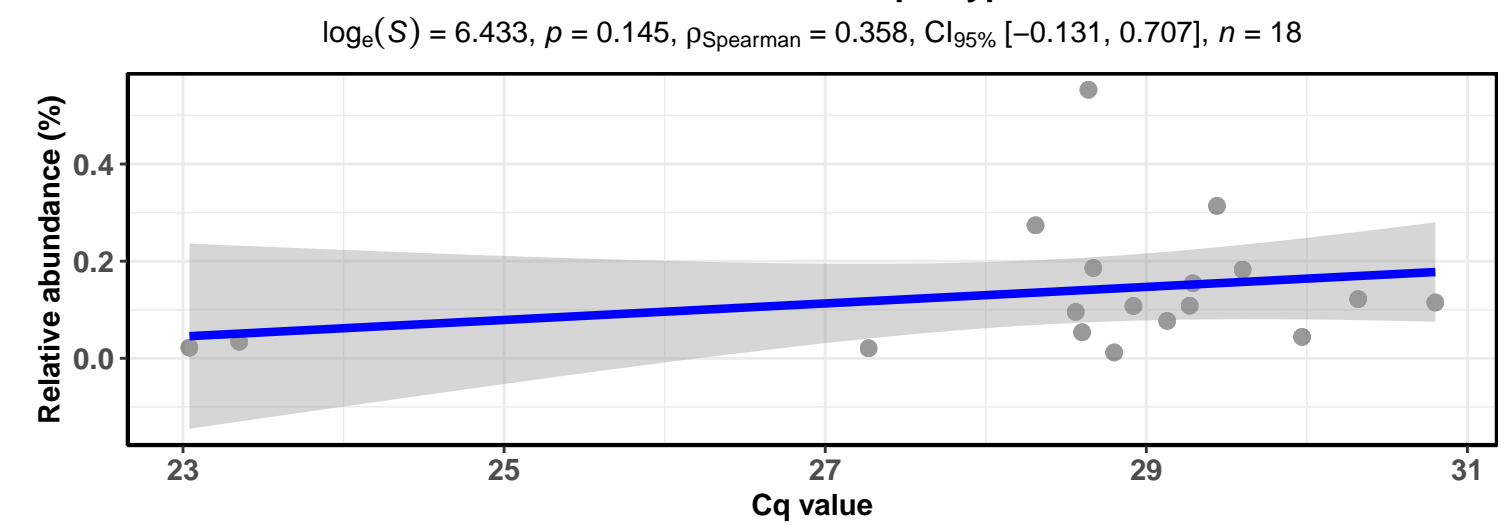
Correlation with all samples



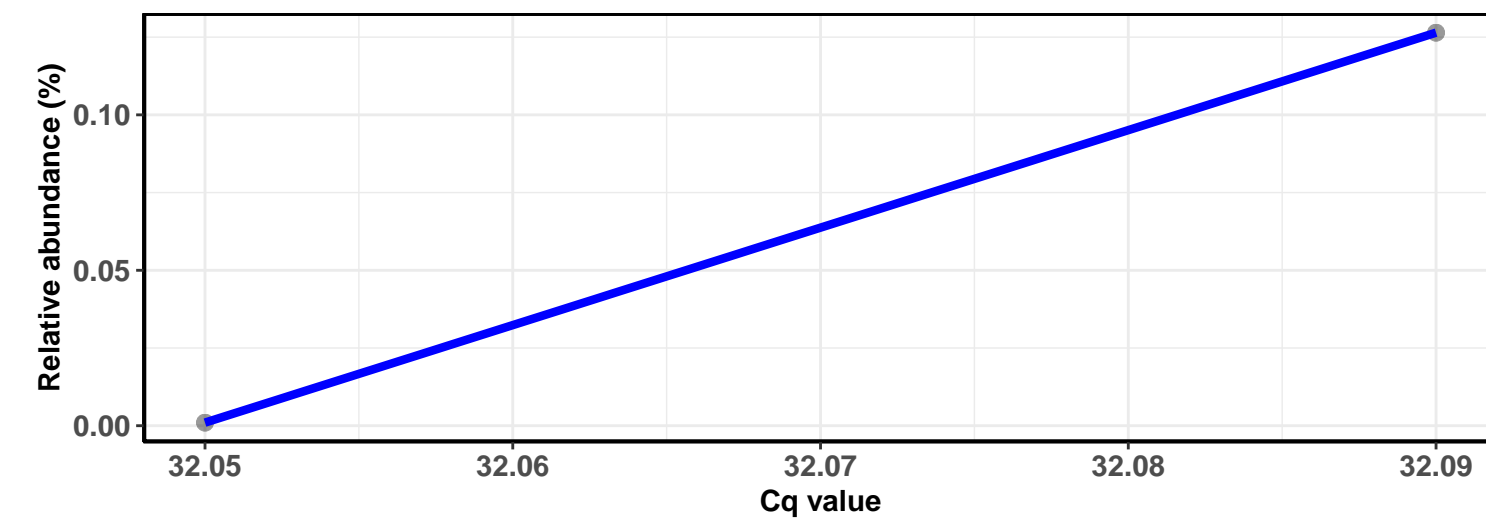
Correlation within the sample type: REF-DIC



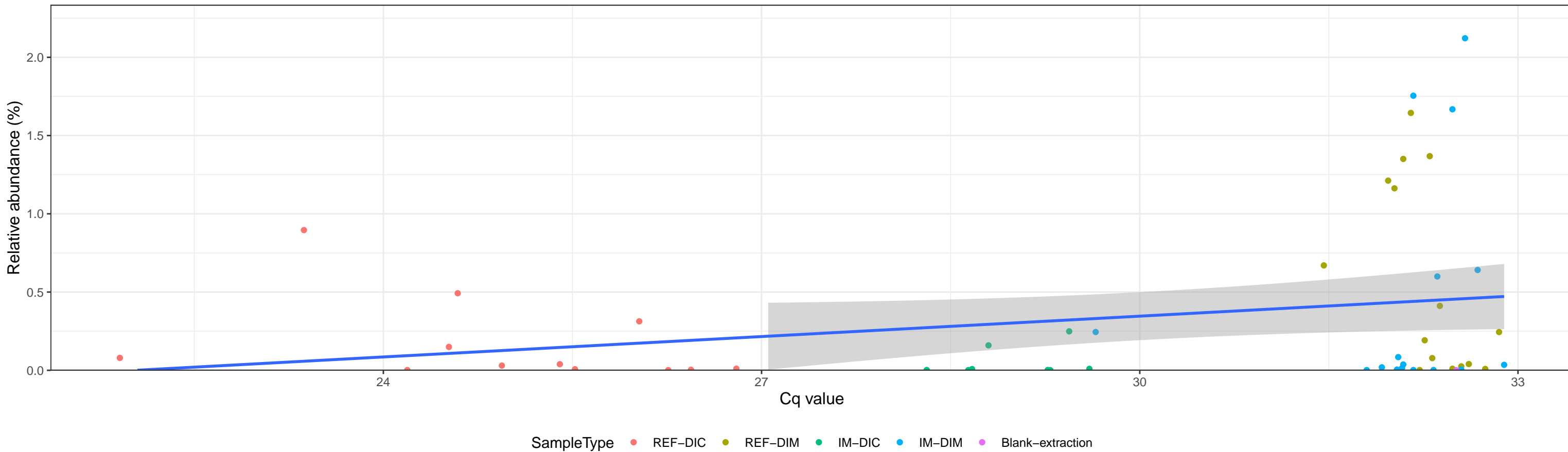
Correlation within the sample type: IM-DIC



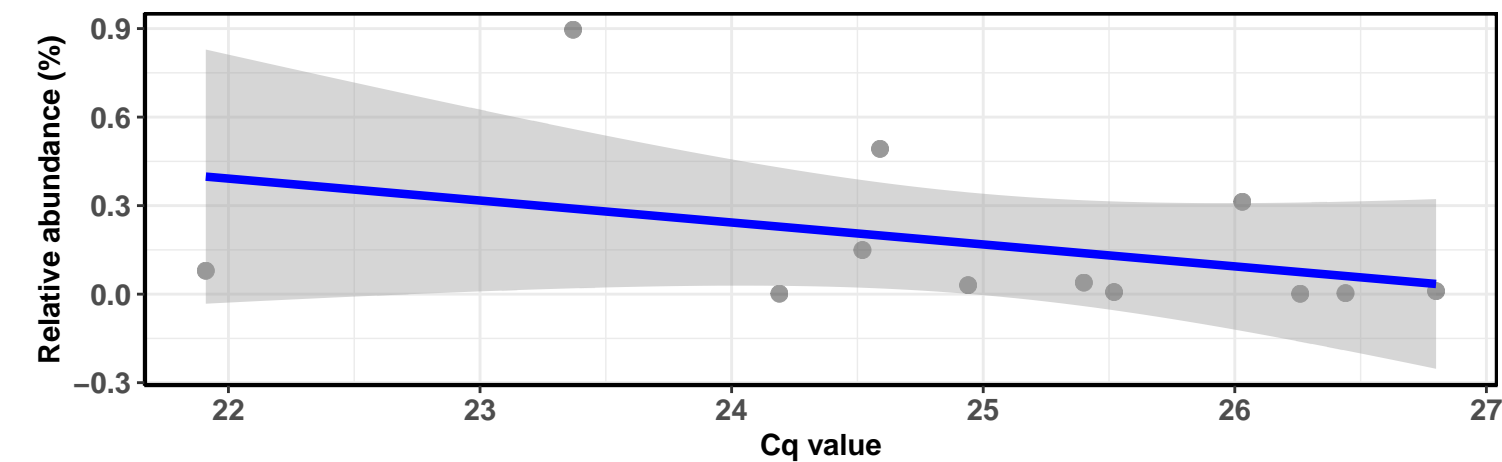
Correlation within the sample type: IM-DIM



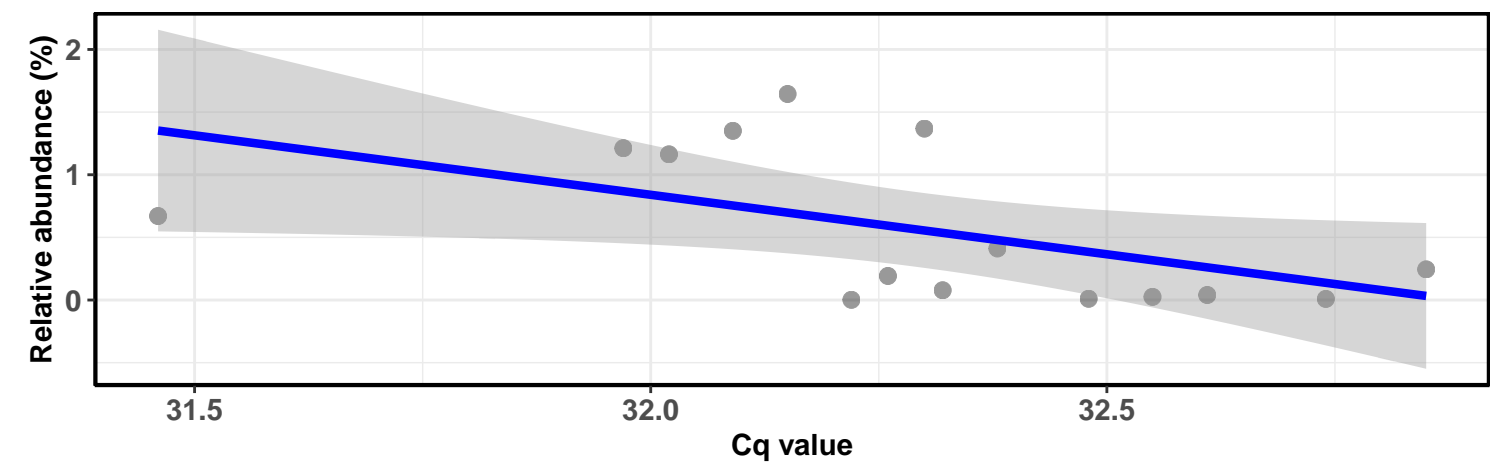
Correlation with all samples



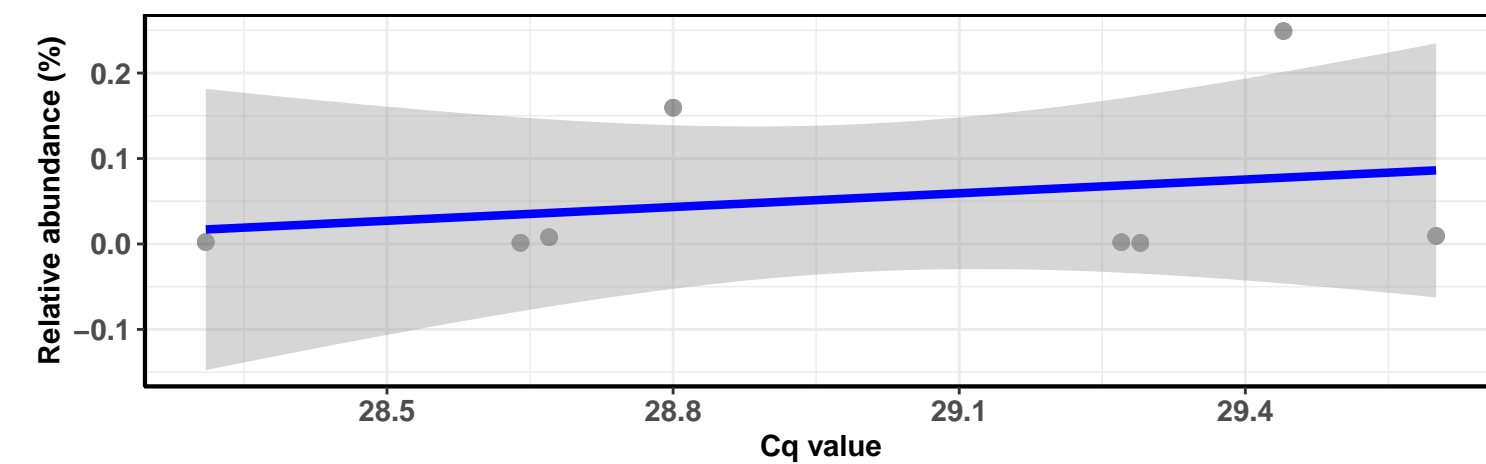
Correlation within the sample type: REF-DIC

 $\log_e(S) = 6.045$, $p = 0.118$, $\rho_{\text{Spearman}} = -0.476$, $CI_{95\%} [-0.824, 0.135]$, $n = 12$ 

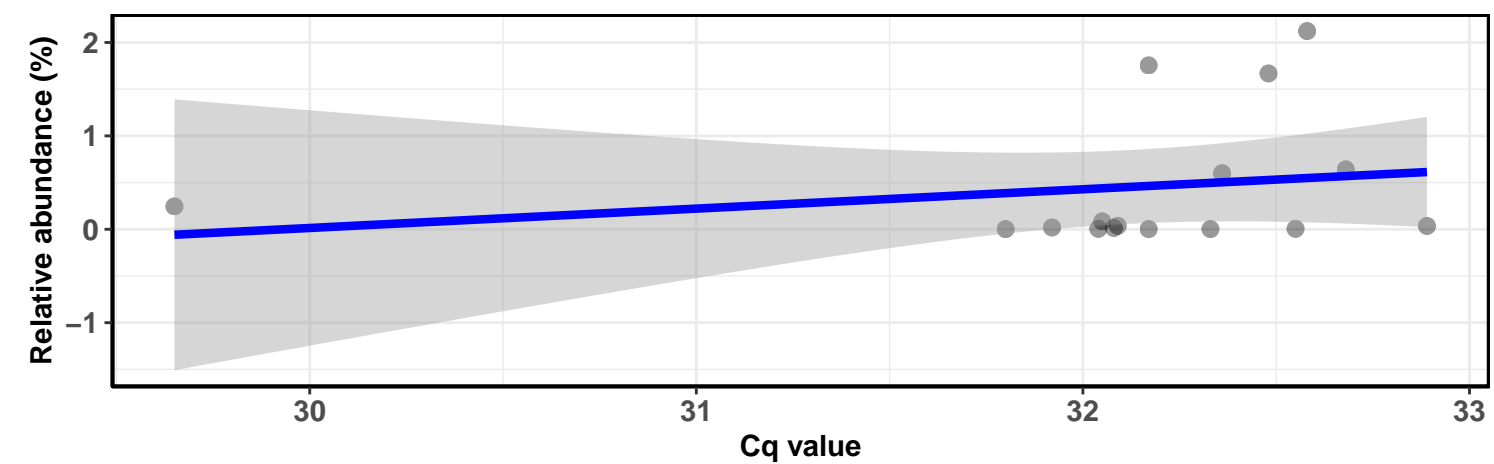
Correlation within the sample type: REF-DIM

 $\log_e(S) = 6.782$, $p = 0.025$, $\rho_{\text{Spearman}} = -0.575$, $CI_{95\%} [-0.840, -0.089]$, $n = 15$ 

Correlation within the sample type: IM-DIC

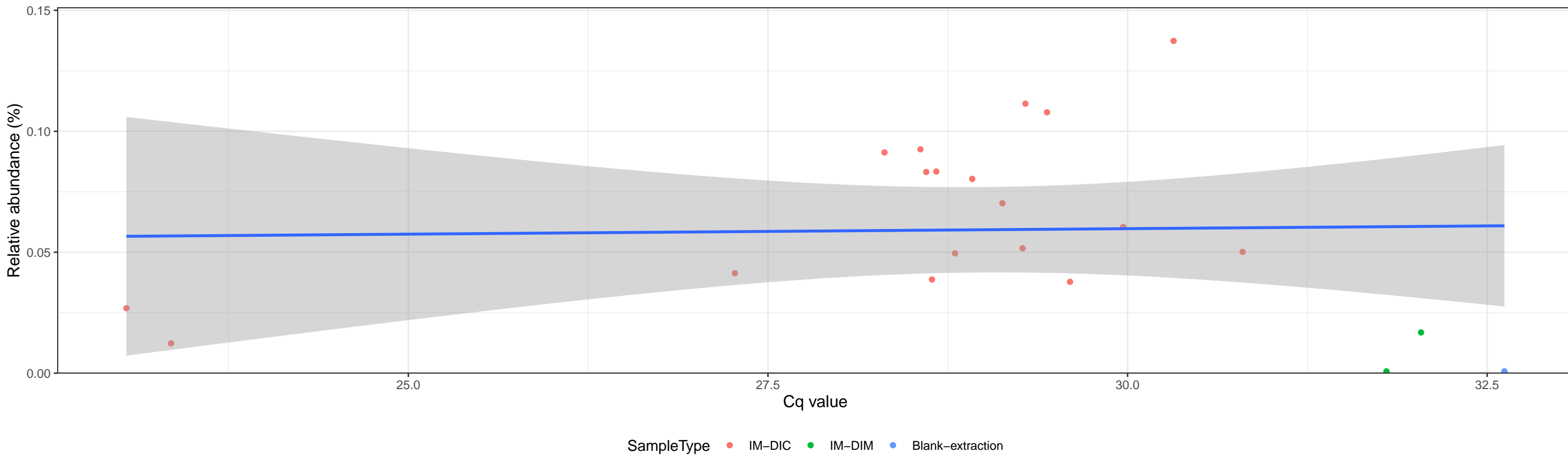
 $\log_e(S) = 4.025$, $p = 0.420$, $\rho_{\text{Spearman}} = 0.333$, $CI_{95\%} [-0.485, 0.841]$, $n = 8$ 

Correlation within the sample type: IM-DIM

 $\log_e(S) = 6.042$, $p = 0.145$, $\rho_{\text{Spearman}} = 0.381$, $CI_{95\%} [-0.141, 0.738]$, $n = 16$ 

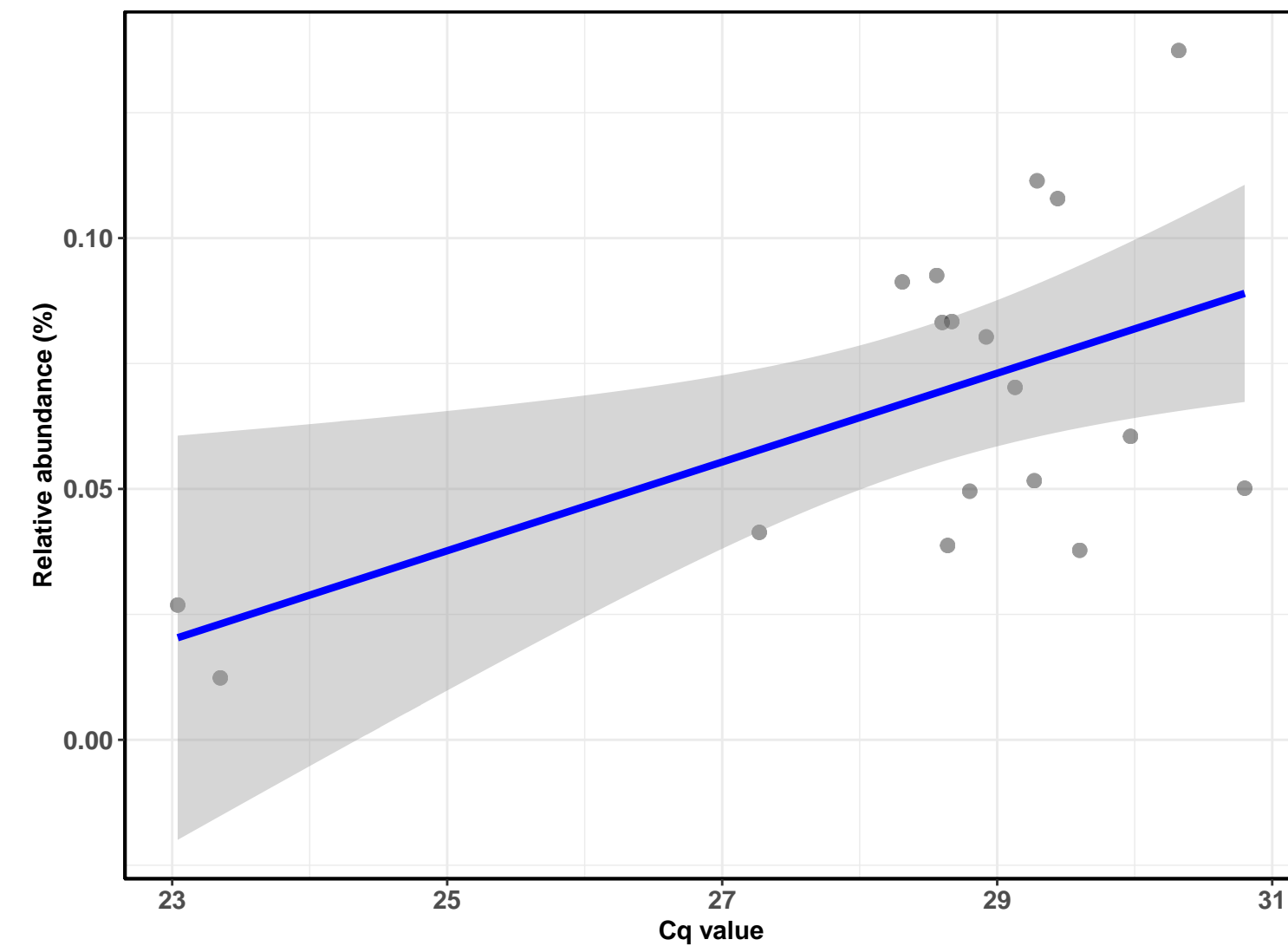
D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Gracilibacillus; Ambiguous_taxa

Correlation with all samples

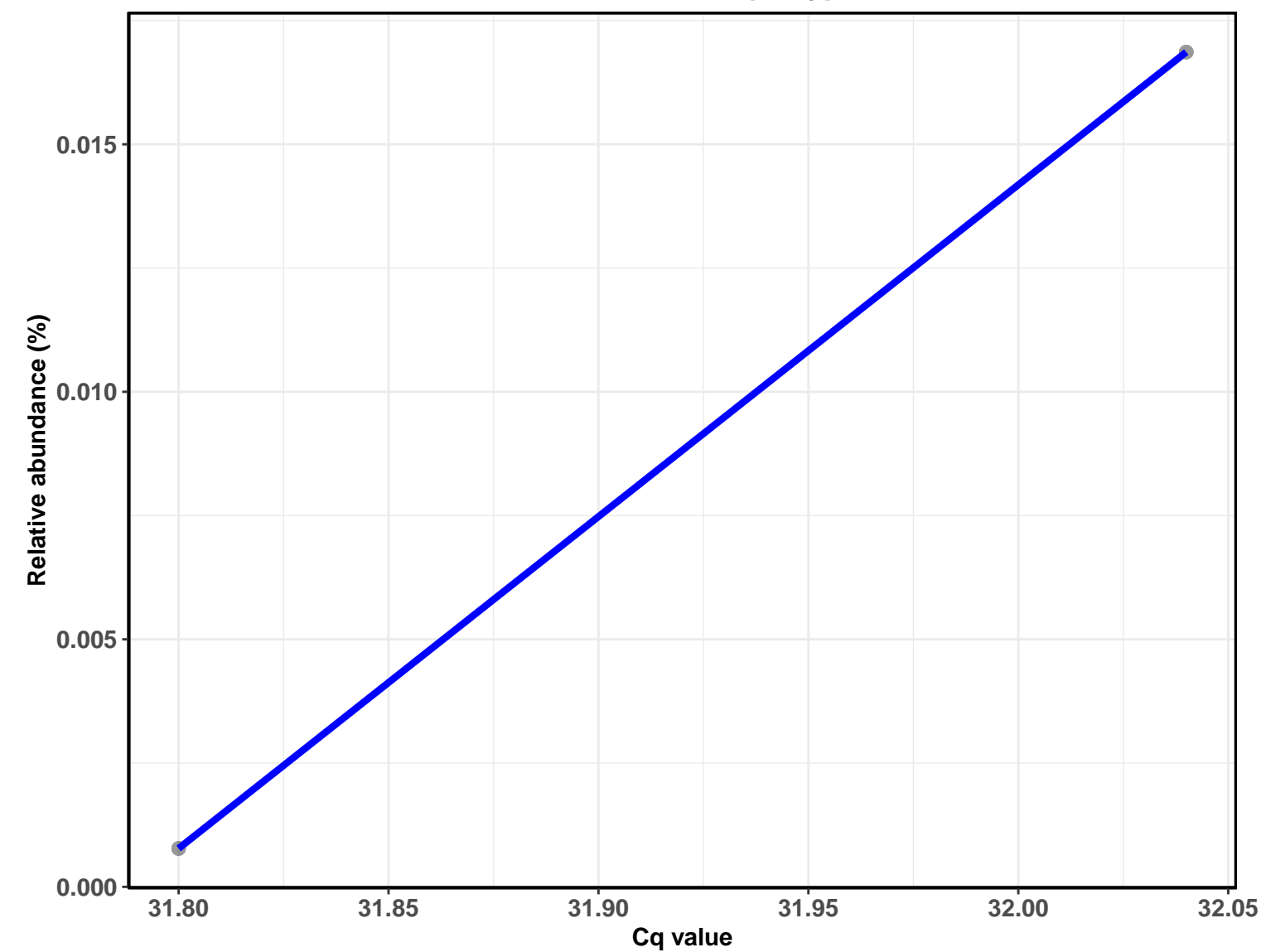


Correlation within the sample type: IM-DIC

$\log_e(S) = 6.458$, $p = 0.165$, $\rho_{\text{Spearman}} = 0.342$, $CI_{95\%} [-0.149, 0.697]$, $n = 18$

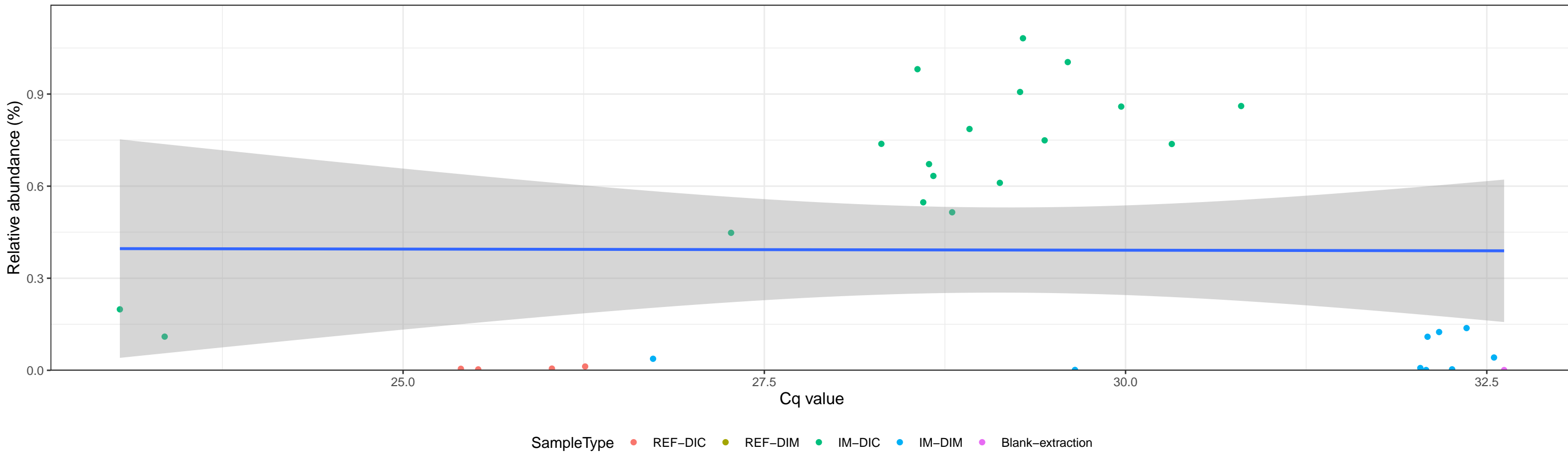


Correlation within the sample type: IM-DIM

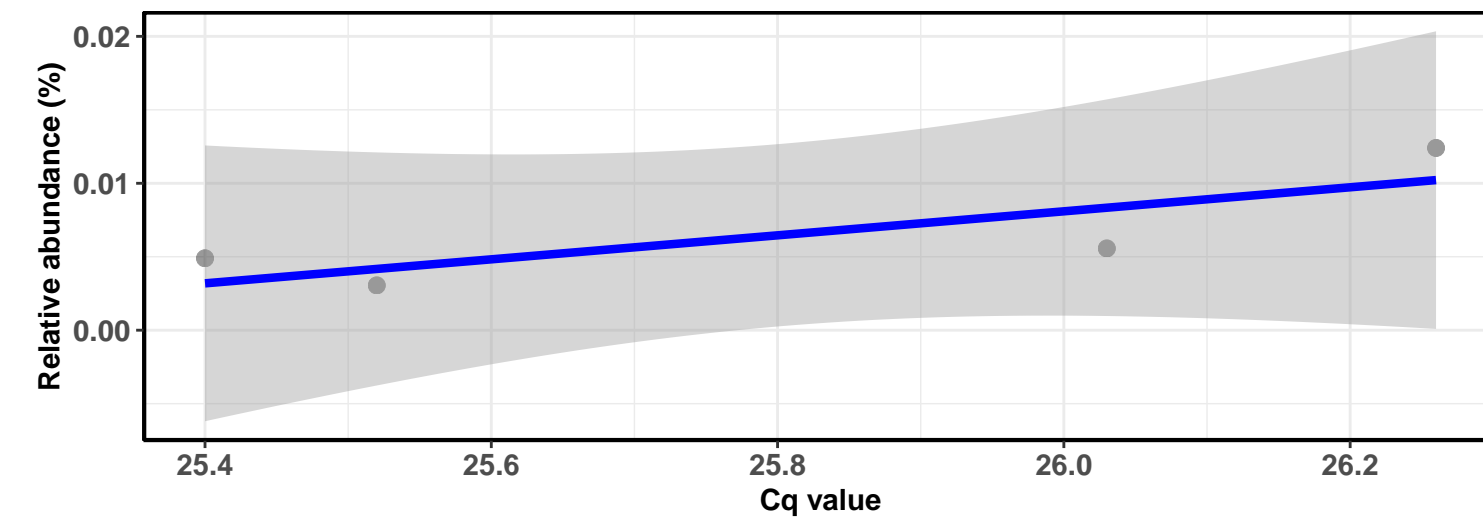


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Oceanobacillus; D_6__Oceanobacillus caeni

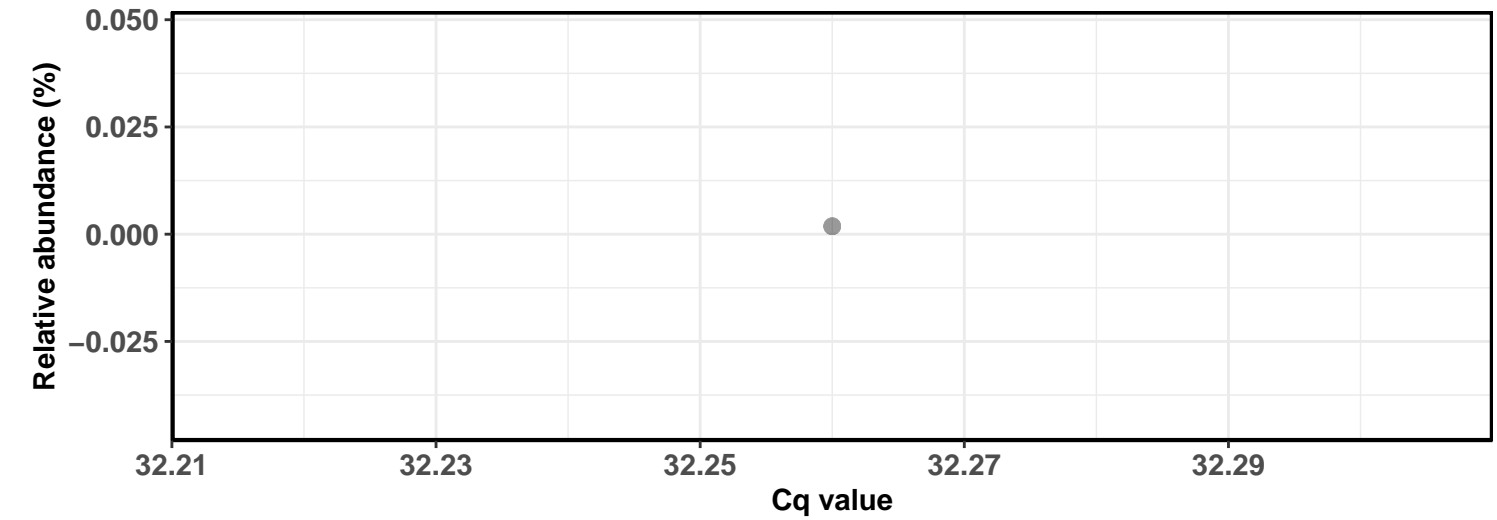
Correlation with all samples



Correlation within the sample type: REF-DIC

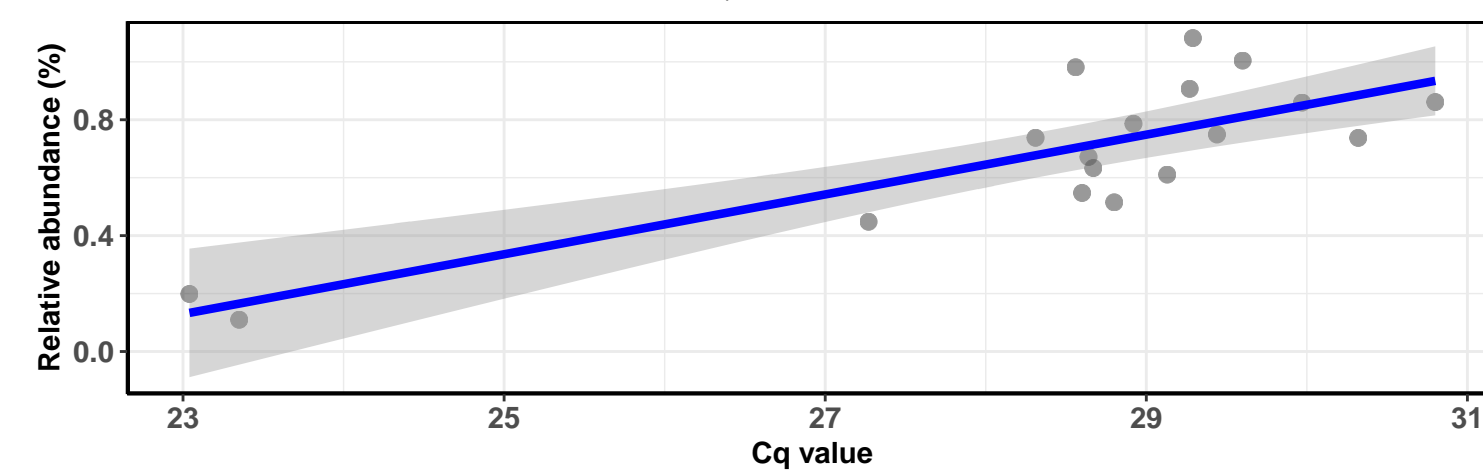


Correlation within the sample type: REF-DIM



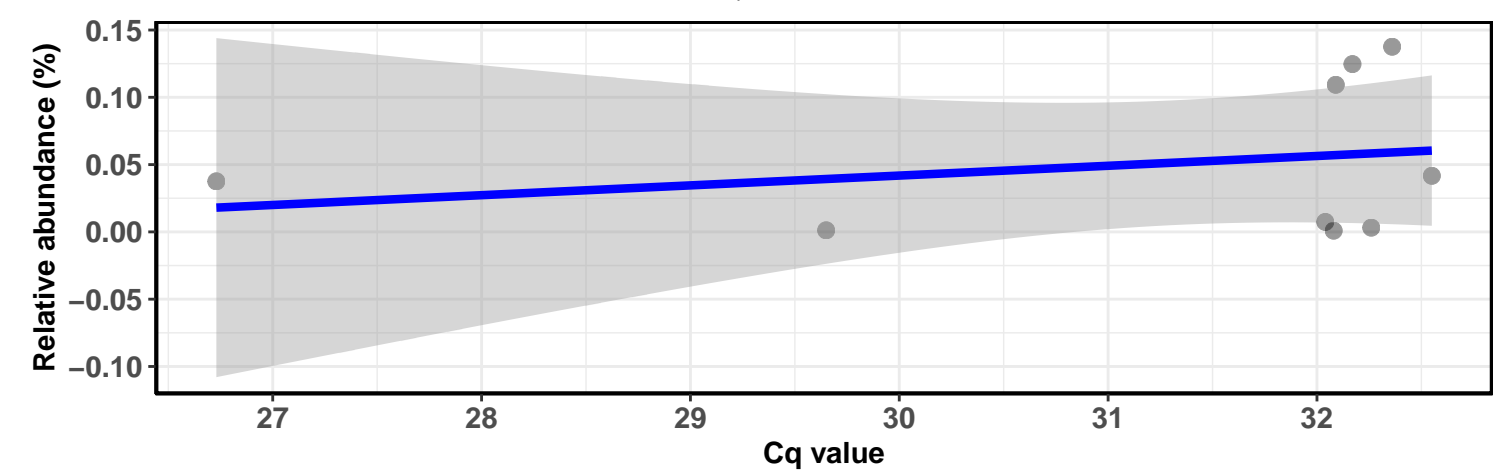
Correlation within the sample type: IM-DIC

$\log_e(S) = 5.864$, $p = 0.004$, $\rho_{\text{Spearman}} = 0.637$, $CI_{95\%} [0.242, 0.851]$, $n = 18$



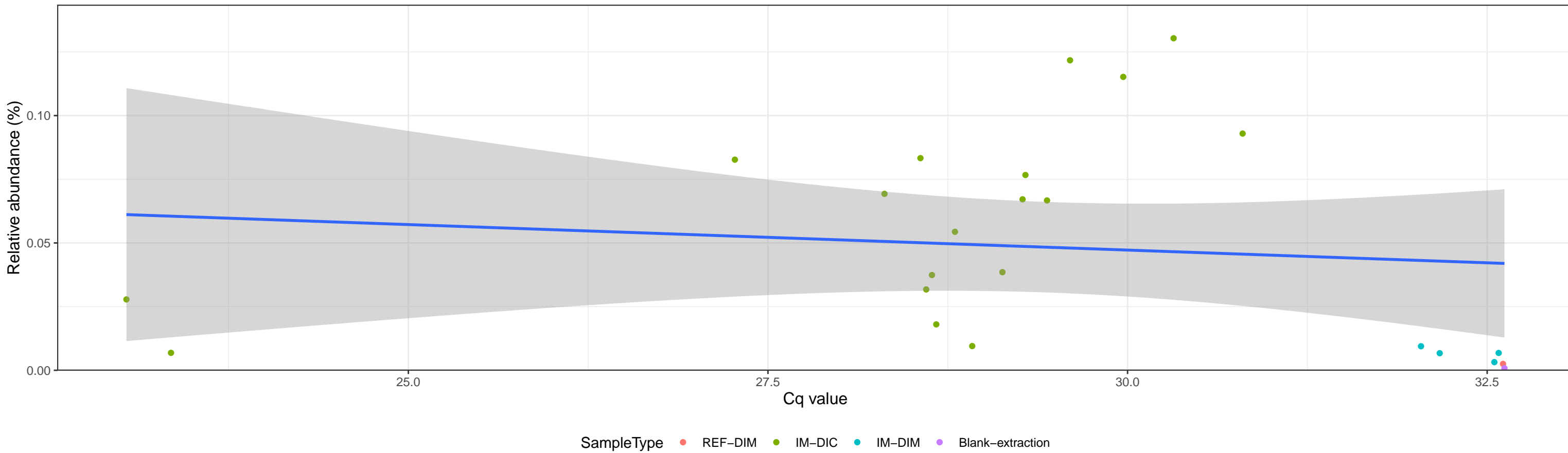
Correlation within the sample type: IM-DIM

$\log_e(S) = 4.094$, $p = 0.170$, $\rho_{\text{Spearman}} = 0.500$, $CI_{95\%} [-0.246, 0.874]$, $n = 9$

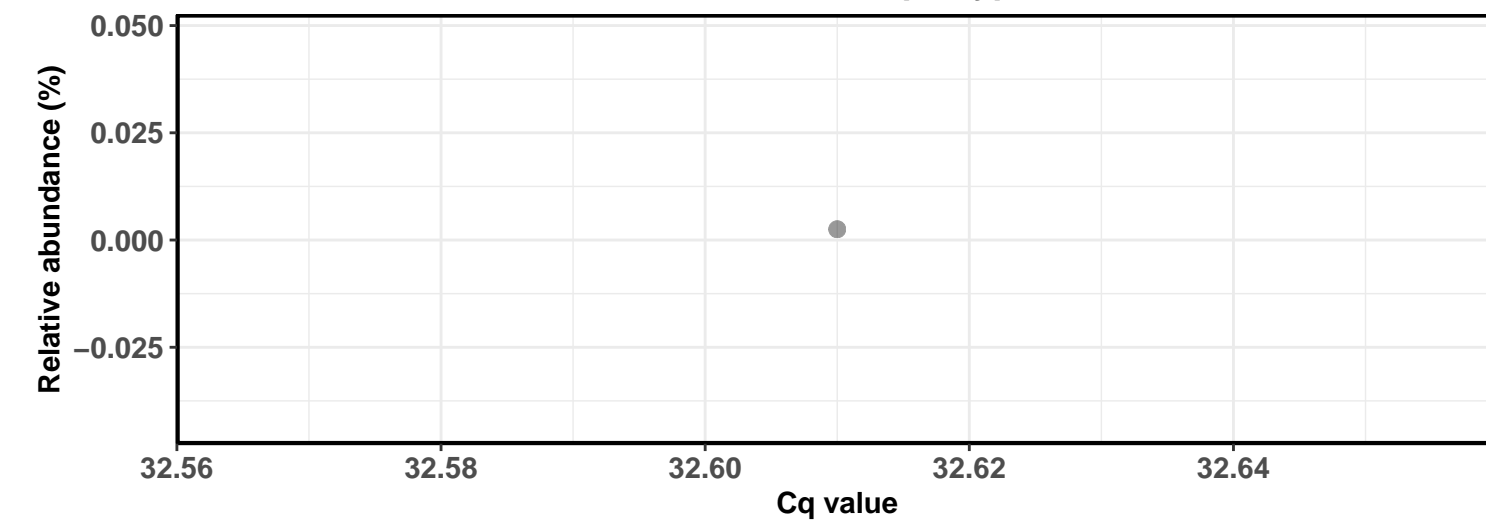


D_0__Bacteria; D_1__Firmicutes; D_2__Bacilli; D_3__Bacillales; D_4__Bacillaceae; D_5__Oceanobacillus; Ambiguous_taxa

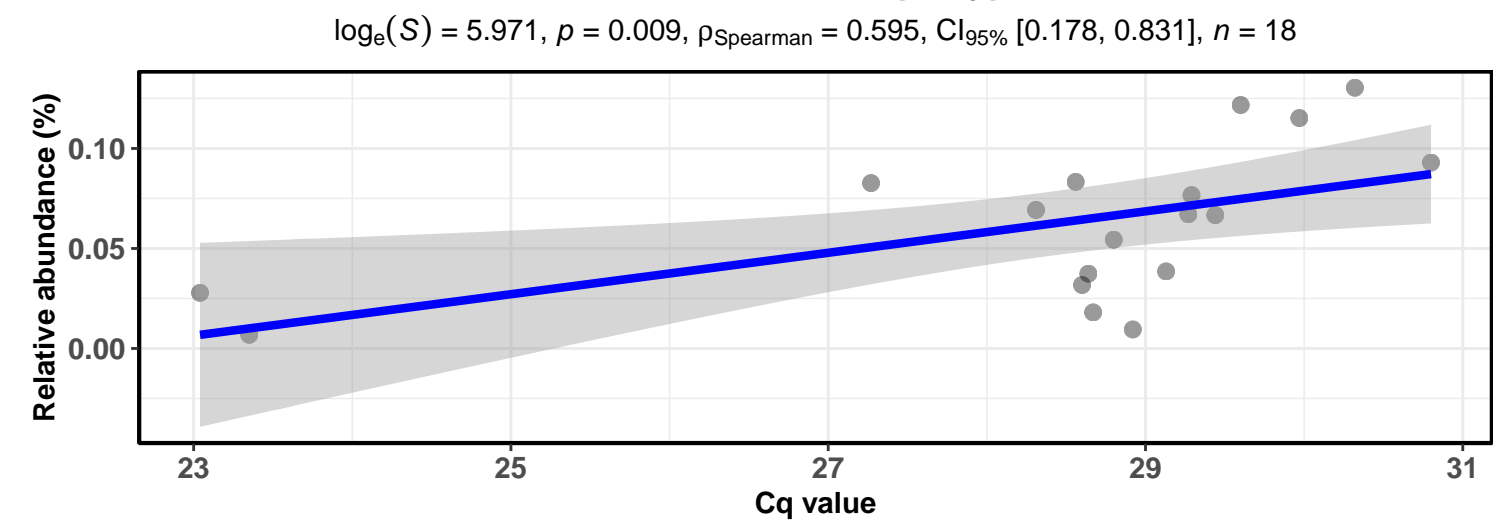
Correlation with all samples



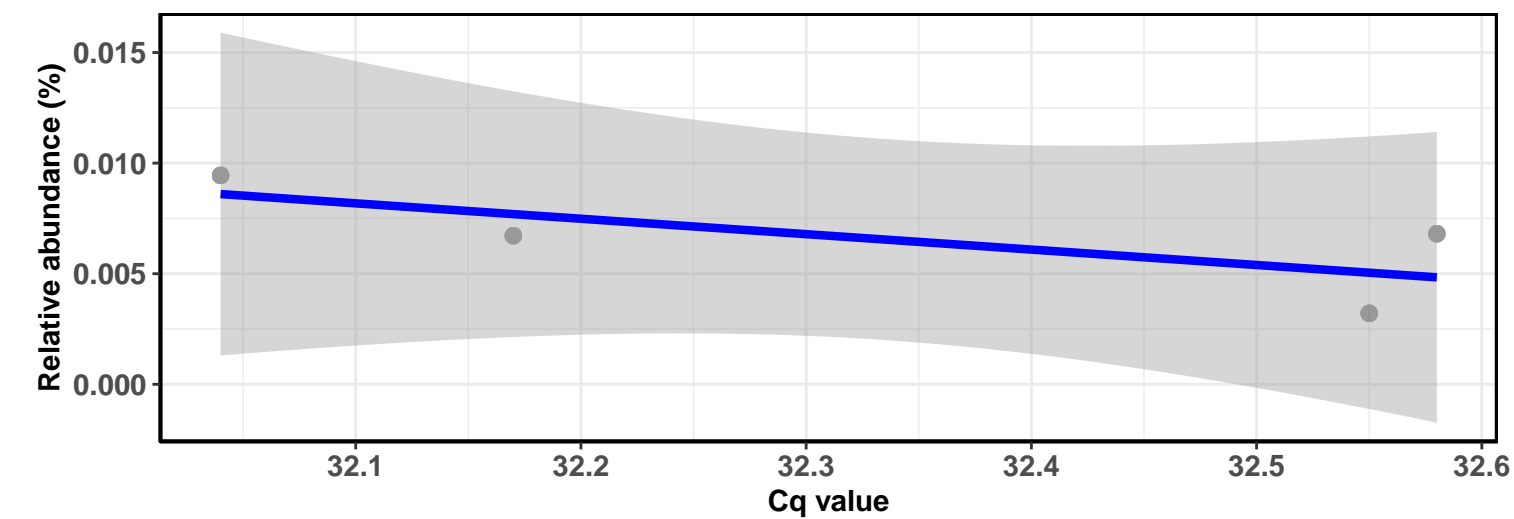
Correlation within the sample type: REF-DIM



Correlation within the sample type: IM-DIC

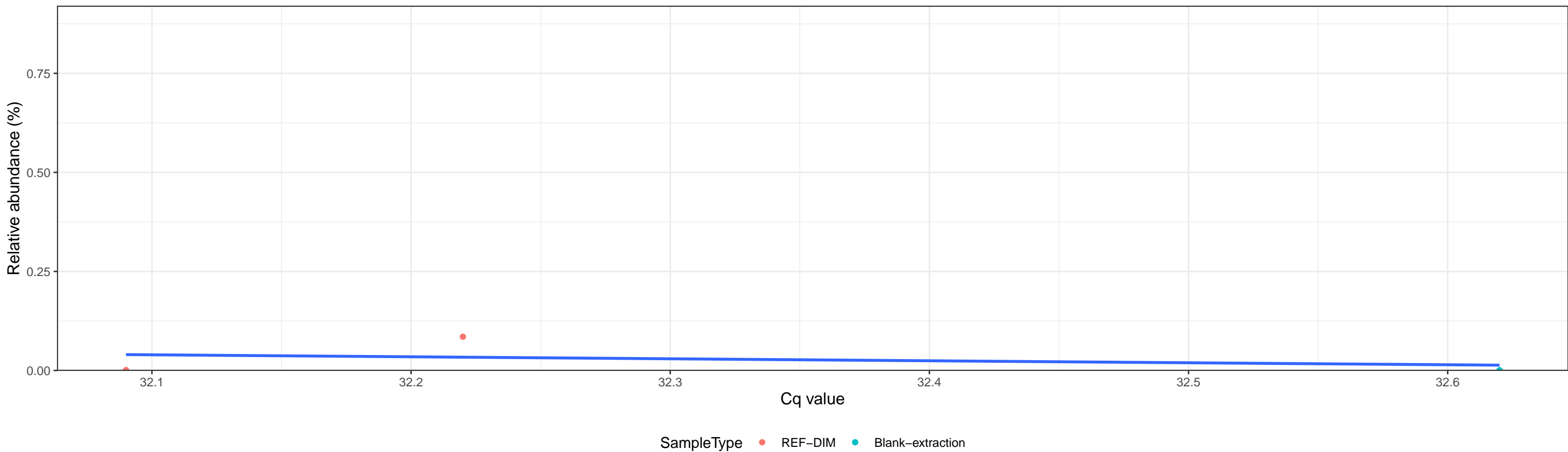


Correlation within the sample type: IM-DIM



D_0__Bacteria; D_1__Actinobacteria; D_2__Actinobacteria; D_3__Propionibacteriales; D_4__Propionibacteriaceae; D_5__Cutibacterium

Correlation with all samples



Correlation within the sample type: REF-DIM

