Genomic GC vs. Genome size on kingdom level
(Spearman's correlation coefficient = -1)

Genomic GC (%) vs. Genome size (MB)
Spearman's test: p-value = 1

16S GC vs. Genomic GC on kingdom level
(Spearman's correlation coefficient = 1)

16S GC (%) vs. Genomic GC (%)
Spearman's test: p-value = 1

Primer score vs. Genomic GC on kingdom level
(Spearman's correlation coefficient = 1)

Primer score vs. Genomic GC (%)
Spearman's test: p-value = 1

Primer score vs. Genome size on kingdom level
(Spearman's correlation coefficient = -1)

Primer score vs. Genome size (MB)
Spearman's test: p-value = 1

Primer score vs. 16S GC on kingdom level
(Spearman's correlation coefficient = 1)

Primer score vs. 16S GC (%)
Spearman's test: p-value = 1
**Genomic GC vs. Genome size on phylum level**
(Spearman's correlation coefficient = 0.66)

Spearman's test: p-value = 1.1e−05

**16S GC vs. Genomic GC on phylum level**
(Spearman's correlation coefficient = 0.26)

Spearman's test: p-value = 0.12

**Primer score vs. Genomic GC on phylum level**
(Spearman's correlation coefficient = 0.02)

Spearman's test: p-value = 0.91

**Primer score vs. 16S GC on phylum level**
(Spearman's correlation coefficient = 0.13)

Spearman's test: p-value = 0.44
Genomic GC vs. Genome size on class level  
(Spearman's correlation coefficient = 0.56)

Spearman's test: p-value = 2.1e−06

16S GC vs. Genomic GC on class level  
(Spearman's correlation coefficient = 0.41)

Spearman's test: p-value = 0.00092

Primer score vs. Genomic GC on class level  
(Spearman's correlation coefficient = −0.033)

Spearman's test: p-value = 0.8

Primer score vs. Genome size on class level  
(Spearman's correlation coefficient = −0.19)

Spearman's test: p-value = 0.13

16S GC vs. Genome size on class level  
(Spearman's correlation coefficient = 0.042)

Spearman's test: p-value = 0.75

Primer score vs. 16S GC on class level  
(Spearman's correlation coefficient = 0.27)

Spearman's test: p-value = 0.036
Genomic GC vs. Genome size on order level
(Spearman's correlation coefficient = 0.52)

Primer score vs. Genomic GC on order level
(Spearman's correlation coefficient = −0.12)

Primer score vs. Genome size on order level
(Spearman's correlation coefficient = −0.25)

16S GC vs. Genomic GC on order level
(Spearman's correlation coefficient = 0.42)

16S GC vs. Genome size on order level
(Spearman's correlation coefficient = 0.027)

Primer score vs. 16S GC on order level
(Spearman's correlation coefficient = 0.2)
Genomic GC vs. Genome size on family level
(Spearman's correlation coefficient = 0.57)

Genomic GC (%)
Genome size (MB)
Spearman's test: p-value = 2.6e-25

Primer score vs. Genomic GC on family level
(Spearman's correlation coefficient = -0.18)

Primer score
Genomic GC (%)
Spearman's test: p-value = 0.0031

16S GC vs. Genomic GC on family level
(Spearman's correlation coefficient = 0.56)

16S GC (%)
Genomic GC (%)
Spearman's test: p-value = 2.9e-24

16S GC vs. Genome size on family level
(Spearman's correlation coefficient = 0.14)

16S GC (%)
Genome size (MB)
Spearman's test: p-value = 0.022

Primer score vs. 16S GC on family level
(Spearman's correlation coefficient = 0.085)

Primer score
16S GC (%)
Spearman's test: p-value = 0.16

Primer score vs. Genome size on family level
(Spearman's correlation coefficient = -0.3)

Primer score
Genome size (MB)
Spearman's test: p-value = 2.7e-07
Genomic GC vs. Genome size on genus level
(Spearman's correlation coefficient = 0.5)

Genomic GC (%) vs. Genome size (MB)
Spearman's test: p-value = 4.4e−55

Primer score vs. Genomic GC on genus level
(Spearman's correlation coefficient = −0.053)

Primer score vs. Genome size on genus level
(Spearman's correlation coefficient = −0.23)

16S GC vs. Genomic GC on genus level
(Spearman's correlation coefficient = 0.58)

16S GC (%) vs. Genomic GC (%)
Spearman's test: p-value = 5.9e−78

16S GC vs. Genome size on genus level
(Spearman's correlation coefficient = 0.14)

16S GC (%) vs. Genome size (MB)
Spearman's test: p-value = 7.1e−05

Primer score vs. 16S GC on genus level
(Spearman's correlation coefficient = 0.21)

Primer score vs. 16S GC (%)
Spearman's test: p-value = 5.7e−10
Genomic GC vs. Genome size on species level (Spearman's correlation coefficient = 0.53)

Spearman's test: p-value = 1.2e-44

Genomic GC vs. 16S GC on species level (Spearman's correlation coefficient = 0.21)

Spearman's test: p-value = 2.8e-07

Primer score vs. Genomic GC on species level (Spearman's correlation coefficient = 0.0039)

Spearman's test: p-value = 0.92

Primer score vs. 16S GC on species level (Spearman's correlation coefficient = 0.27)

Spearman's test: p-value = 6.9e-12