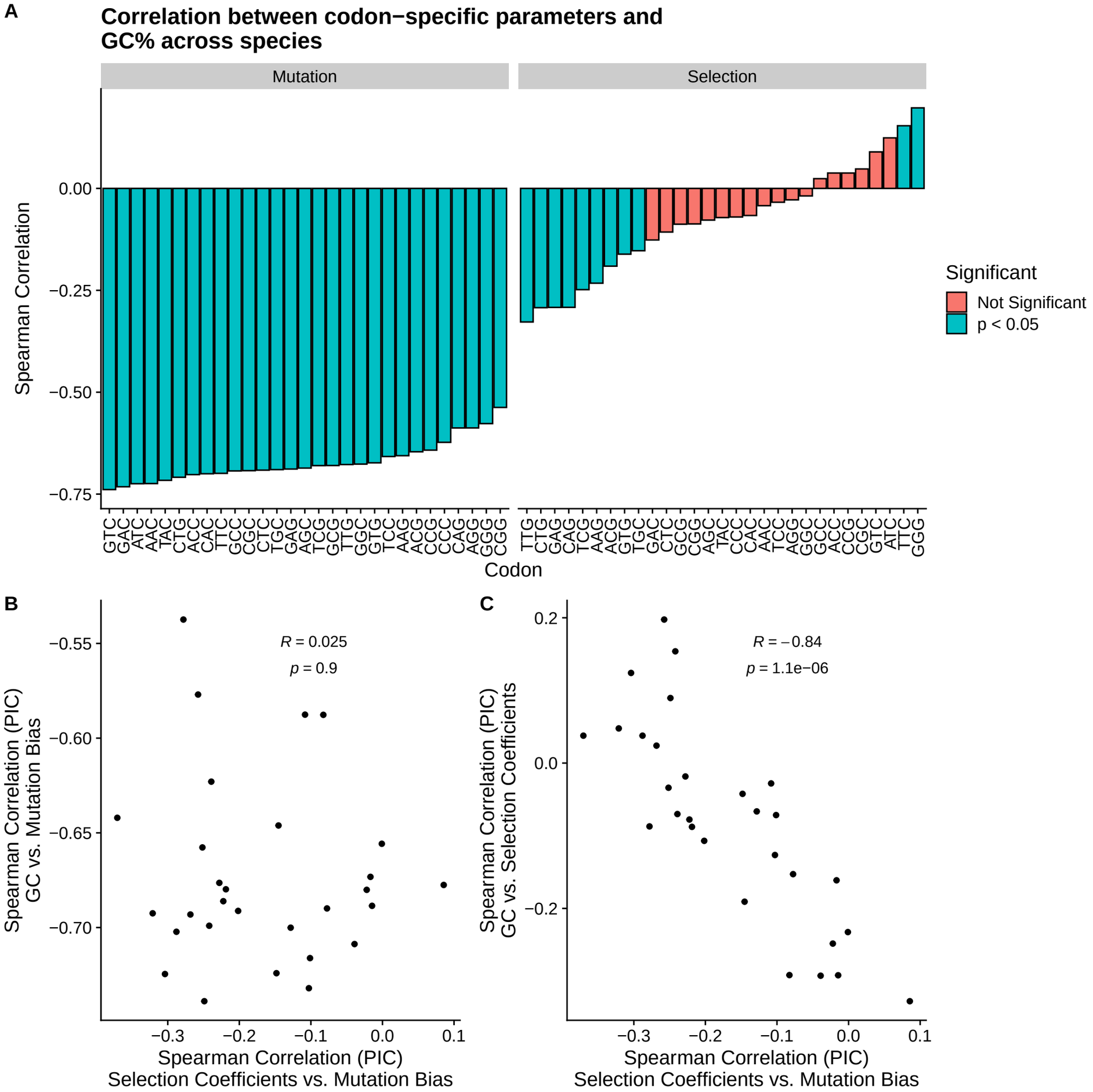
A
Correlation between codon−specific parameters and GC% across species
Mutation
Selection
Spearman Correlation
0.00
−0.25
−0.50
−0.75
GTC GAC ATC AAC TAC CTG ACC CAC TTC GCC CGC CTC TGC GAG AGC TCG GCG TTG GGC GTG TCC AAG ACG CCG CCC CAG AGG GGG CGG
TTG CTG GAG CAG TCG AAG ACG GTG TGC GAC CTC GCG CGG AGC TAC CCC CAC AAC TCC AGG GGC GCC ACC CCG CGC GTC ATC TTC GGG
Codon
Significant
Not Significant
p < 0.05
B
R = 0.025
p = 0.9
Spearman Correlation (PIC)
GC vs. Mutation Bias
−0.55
−0.60
−0.65
−0.70
−0.3
−0.2
−0.1
0.0
0.1
Spearman Correlation (PIC)
Selection Coefficients vs. Mutation Bias
C
R = −0.84
p = 1.1e−06
Spearman Correlation (PIC)
GC vs. Selection Coefficients
0.2
0.0
−0.2
−0.3
−0.2
−0.1
0.0
0.1
Spearman Correlation (PIC)
Selection Coefficients vs. Mutation Bias