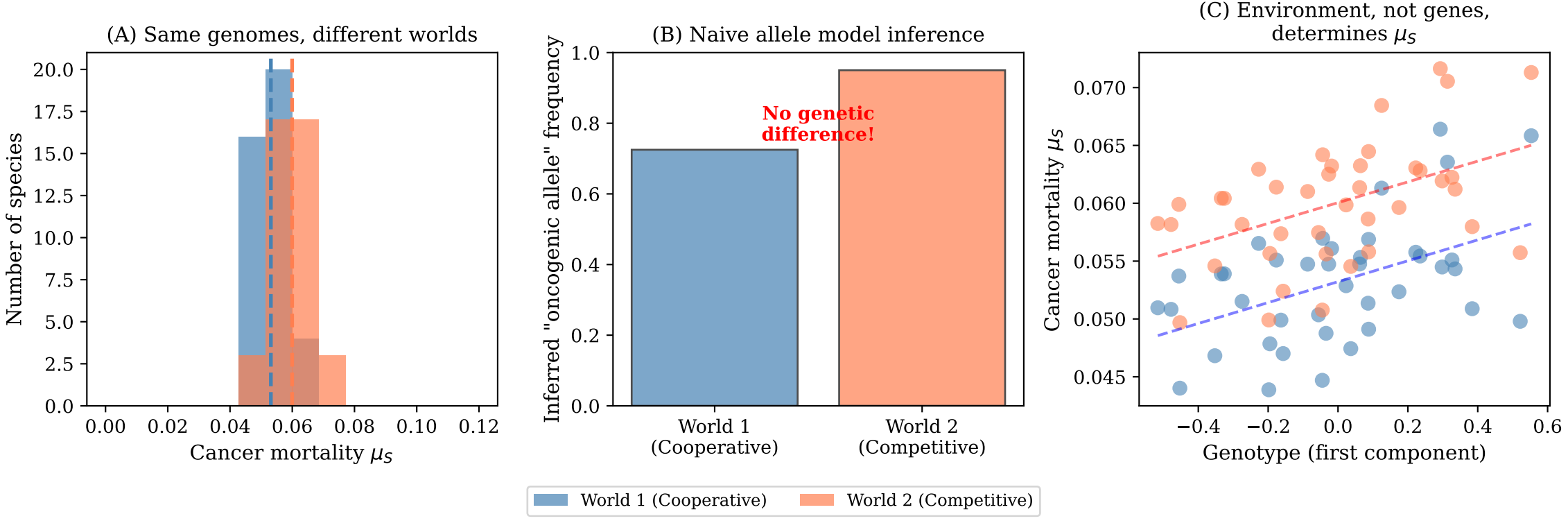
(A) Same genomes, different worlds
Number of species
Cancer mortality μ_S
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
(B) Naive allele model inference
Inferred "oncogenic allele" frequency
No genetic difference!
0.0
0.2
0.4
0.6
0.8
1.0
World 1 (Cooperative)
World 2 (Competitive)
(C) Environment, not genes, determines μ_S
Cancer mortality μ_S
Genotype (first component)
0.045
0.050
0.055
0.060
0.065
0.070
−0.4
−0.2
0.0
0.2
0.4
0.6
World 1 (Cooperative)
World 2 (Competitive)