Diversity of codons for each site of the sequence (average)

$n = 1000$

D_C^{site}

Effectively neutral

Strong selection

$\alpha = 0.10$
$\alpha = 0.32$
$\alpha = 1.00$
$\alpha = 3.16$
$\alpha = 10.00$

10^{-1} $\qquad$ 10^0 $\qquad$ 10^1

λ

Mutation biased toward GC $\qquad$ Mutation biased toward AT
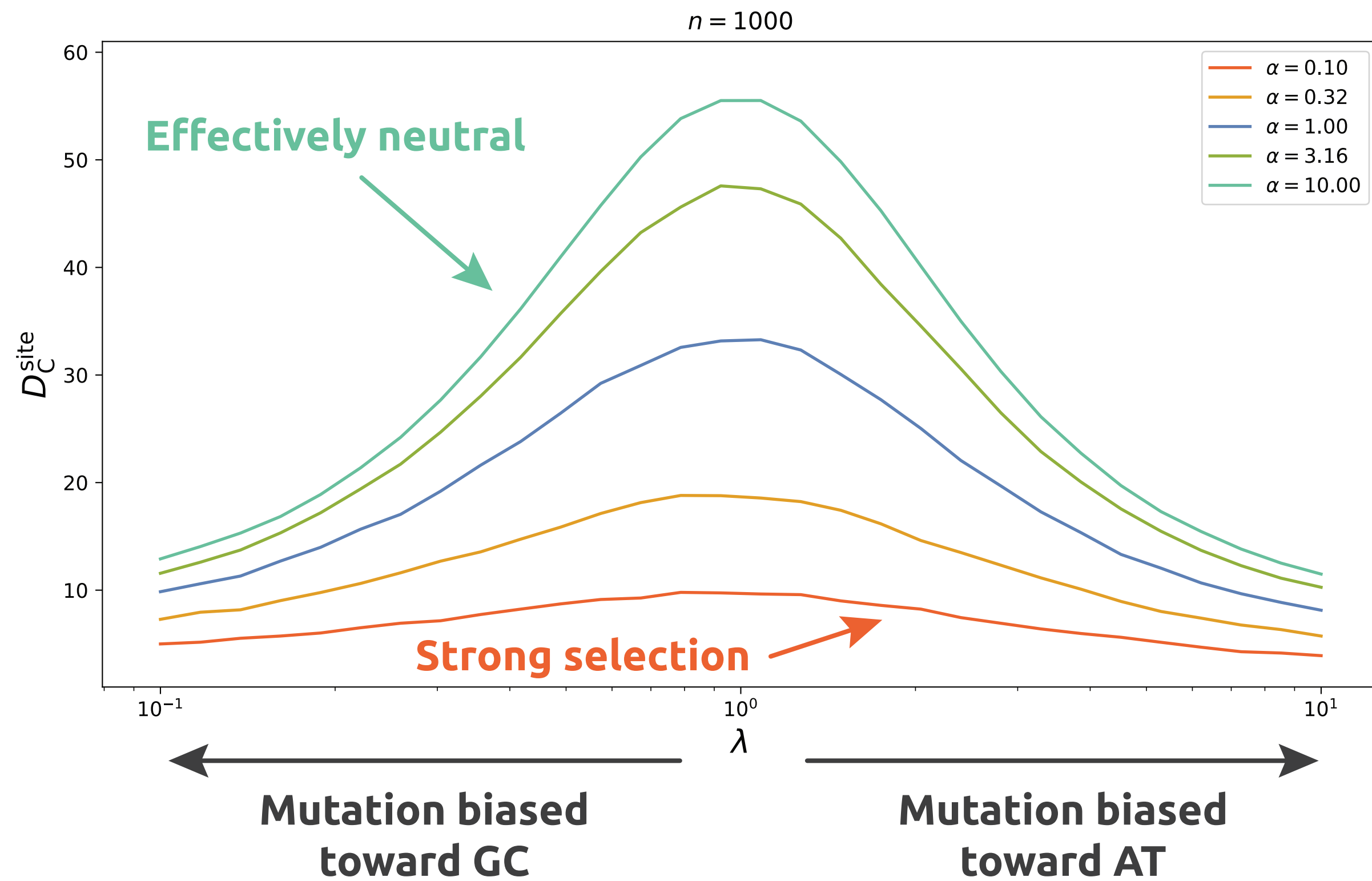
Diversity of codons for the whole sequence

$n = 1000$

D_C^{seq}

Strong selection

Effectively neutral

$\alpha = 0.10$
$\alpha = 0.32$
$\alpha = 1.00$
$\alpha = 3.16$
$\alpha = 10.00$

10^{-1} $\qquad$ 10^0 $\qquad$ 10^1

λ

Mutation biased toward GC $\qquad$ Mutation biased toward AT