Simulating Divergence

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Divergence between Duplicated Genes (1)

$c = 0$

$c = 1 \times 10^{-8}$

$c = 3 \times 10^{-8}$

$c = 5 \times 10^{-8}$

$c = 10 \times 10^{-8}$

N Generations

Length of the region is 1kb. $\mu = 10^{-6}$ per region.

Average tract length is 100bp. Conversion fails if the divergence is more than 10%.

The arrow means a termination mutation. $4N\mu = 0.01$ and $c/\mu = 50$. Average tract length is 500bp.

Conversion fails if the divergence is more than 20%.

$4N\mu = 0.01$, $c/\mu = 50$ and $s/c = 100$. Average tract length is 500bp.

Conversion fails if the divergence is more than 20%.