Estimates of selection parameters obtained by analysis of simulation data. For each set of simulations 10Mbp of exon-like sequence was analysed. Divergence - +/- indicates whether or not fixed derived alleles were used to infer the selection parameters.

Full DFE - +/- indicates whether a full DFE containing both deleterious and advantageous mutations was estimated (+) or a DFE containing just deleterious mutations was inferred (-).

lnL - The log likelihood of the model fit.

 ΔlnL - The likelihood ratio of the full DFE model to the deleterious DFE model.

 $\hat{\gamma_d}$ - The mean, scaled strength of selection acting on a deleterious mutation, $2N_e s_d$.

 β_d - The shape parameter of the DFE for harmful mutations.

 γ_a - The scaled strength of selection acting on an advantageous mutations $2N_e s_a$.

 p_a - The proportion of nonsynonymous mutations that are advantageous.

				Harmf	Harmful Mutation Parameters	n Par	ımeters		Advar	Advantageous Mutation Parameters	tation Pa	rameter	8.
Divergence	Full DFE	InL	ΔlnL	$\hat{\gamma_d}$	$\hat{\gamma_d}$ Est.	β_d	β_d Est.	γ_a	γ_a Est.	p_a	p_a Est.	$\gamma_a p_a$	$\gamma_a p_a Est.$
+	+	-204.9	160.05	-1000	-864.1	0.2	0.202		11.850		0.00801	0.1	0.095
+	ı	-364.9	1	-1000	-6,663.2	0.2	0.135	10	ı	0.10000	1	ı	ı
ı	+	-193.4	17.57	-1000	-827.7	0.2	0.206	10	7.995	0.10000	0.01019	0.1	0.081
1	1	-211.0	ı	-1000	-1,553.4	0.2	0.174		ı		ı	ı	ı
+	+	-201.6	173.09	-1000	-982.3	0.2	0.198		16.307		0.00583	0.1	0.095
+	ı	-374.7	1	-1000	-8,314.1	0.2	0.133	06	1	0.005000	1	1	ı
1	+	-191.6	13.41	-1000	-1,182.9	0.2	0.189	07	37.427	0.000000	0.00292	0.1	0.109
1	1	-205.0	1	-1000	-1,617.7	0.2	0.175		ı		1	ı	1
+	+	-200.4	214.56	-1000	-1,045.7	0.2	0.195		37.425		0.00256	0.1	0.096
+	ı	-414.9	ı	-1000	-7,369.5	0.2	0.136	70	ı	000600	1	ı	ı
ı	+	-189.2	4.89	-1000	-1,025.7	0.2	0.195	00	64.141	0.002000	0.00168	0.1	0.108
ı	ı	-194.1	1	-1000	-1,240.1	0.2	0.186		1		1	ı	1
+	+	-222.3	197.07	-1000	-1,649.5	0.2	0.175		37.393		0.00218	0.1	0.082
+	ı	-419.4	1	-1000	-5,778.8	0.2	0.138	100	1	0.001000	1	ı	ı
1	+	-190.3	-0.04	-1000	-964.5	0.2	0.193	100	0.505	0.001000	0.00394	0.1	0.002
ı	1	-190.2	1	-1000	-998.0	0.2	0.190		1		1	1	ı
+	+	-210.7	207.84	-1000	-1,224.6	0.2	0.191		37.423		0.0025	0.1	0.094
+	ı	-418.6	1	-1000	-7,285.3	0.2	0.137	900	1	0.000500	1	1	ı
1	+	-190.3	0.14	-1000	-1,053.6	0.2	0.198	700	0.841	0.00000	0.0072	0.1	0.006
I	1	-190.4	ı	-1000	-1,148.9	0.2	0.191		ı		ı	ı	ı
+	+	-200.1	210.14	-1000	-678.7	0.2	0.214		37.429		0.00262	0.1	0.098
+	ı	-410.2	1	-1000	-4,194.3	0.2	0.147	400	1	0.000950	1	1	ı
1	+	-187.5	1.42	-1000	-749.7	0.2	0.208	400	33.663	0.000200	0.0013	0.1	0.044
I	ı	-188.9	ı	-1000	-834.6	0.2	0.202		ı		ı	1	ı
+	+	-207.4	163.86	-1000	-1,017.5	0.2	0.195		37.428		0.00204	0.1	0.076
+	I	-371.3	1	-1000	-3,923.5	0.2	0.148	800	1	0.000195	1	ı	1
ı	+	-189.6	0.34	-1000	-805.0	0.2	0.204	000	6.105	0.000120	0.00186	0.1	0.011
I	ı	-190.0	ı	-1000	-879.1	0.2	0.198		ı		ı	ı	ı