Table S11 Summary of model fitting in a McDonald-Kreitman framework for all amplicons that were annotated and had *Pinus radiata* as an outgroup (*l* = 1,623).

Model	*k*	ln*L*	AICc
θ = constant, *ut* = constant, *f* = 0, α = 0	2	-12064.81	24133.62
θ = constant, *ut* = constant, *f* = constant, α = 0	3	-10067.49	20140.99
θ = constant, *ut* = constant, *f* = unique, α = 0	1625	-7548.09	19432.19
θ = unique, *ut* = constant, *f* = 0, α = 0	1624	-9320.81	22974.07
θ = unique, *ut* = constant, *f* = constant, α = 0	1625	-7330.06	18996.13
θ = unique, *ut* = constant, *f* = unique, α = 0	3247	-5725.23	24446.46
θ = constant, *ut* = constant, *f* = 0, α = constant	3	-11203.01	22412.02
θ = constant, *ut* = constant, *f* = constant, α = constant	4	-10061.02	20130.04
θ = constant, *ut* = constant, *f* = unique, α = constant	1626	-7522.02	19383.60
θ = unique, *ut* = constant, *f* = 0, α = constant	1625	-8668.88	21673.77
θ = unique, *ut* = constant, *f* = constant, α = constant	1626	-7298.35	18936.13
θ = unique, *ut* = constant, *f* = unique, α = constant	3248	-5716.25	24436.52
θ = constant, *ut* = constant, *f* = 0, α = beta	4	-11949.69	23907.38
θ = constant, *ut* = constant, *f* = constant, α = beta	5	-9834.78	19679.57
θ = constant, *ut* = constant, *f* = unique, α = beta	1627	-7510.3	19363.73
θ = unique, *ut* = constant, *f* = 0, α = beta	1626	-9309.12	22957.81
θ = unique, *ut* = constant, *f* = constant, α = beta	1627	-7270.93	18884.98
θ = unique, *ut* = constant, *f* = unique, α = beta	3249	-5714.08	24440.19
θ = constant, *ut* = constant, *f* = 0, α = two-spike	5	-11006.98	22023.97
θ = constant, *ut* = constant, *f* = constant, α = two-spike	6	-9869.41	19750.84
θ = constant, *ut* = constant, *f* = unique, α = two-spike	1628	-7494.66	19336.01
θ = unique, *ut* = constant, *f* = 0, α = two-spike	1627	-8591.69	21526.51
θ = unique, *ut* = constant, *f* = constant, α = two-spike	1628	-7274.38	18895.45
θ = unique, *ut* = constant, *f* = unique, α = two-spike	3250	-5705.77	24431.60
θ = constant, *ut* = unique, *f* = 0, α = 0	1624	-10830.79	25994.03
θ = constant, *ut* = unique, *f* = constant, α = 0	1625	-8836.12	22008.24
θ = constant, *ut* = unique, *f* = unique, α = 0	3247	-6828.13	26652.26
θ = unique, *ut* = unique, *f* = 0, α = 0	3246	-8541.03	30070.05
θ = unique, *ut* = unique, *f* = constant, α = 0	3247	-6551.34	26098.68
θ = unique, *ut* = unique, *f* = unique, α = 0	4869	-5098.53	49173.07
θ = constant, *ut* = unique, *f* = 0, α = constant	1625	-9865.29	24066.59
θ = constant, *ut* = unique, *f* = constant, α = constant	1626	-8836.08	22011.72
θ = constant, *ut* = unique, *f* = unique, α = constant	3248	-6820.54	26645.10
θ = unique, *ut* = unique, *f* = 0, α = constant	3247	-7662.37	28320.75
θ = unique, *ut* = unique, *f* = constant, α = constant	3248	-6548.89	26101.79
θ = constant, *ut* = unique, *f* = unique, α = constant	4870	-5093.23	49194.52

θ = constant, *ut* = unique, *f* = 0, α = beta	1626	-10830.79	26001.15
θ = constant, *ut* = unique, *f* = constant, α = beta	1627	-8835.43	22013.99
θ = constant, *ut* = unique, *f* = unique, α = beta	3249	-6820.56	26653.16
θ = unique, *ut* = unique, *f* = 0, α = beta	3248	-8541.03	30086.07
θ = unique, *ut* = unique, *f* = constant, α = beta	3249	-6550.46	26112.96
θ = unique, *ut* = unique, *f* = unique, α = beta	4871	-5093.25	49226.66
θ = constant, *ut* = unique, *f* = 0, α = two-spiked	1627	-9863.55	24070.22
θ = constant, *ut* = unique, *f* = constant, α = two-spike	1628	-8833.74	22014.17
θ = constant, *ut* = unique, *f* = unique, α = two-spike	3250	-6820.54	26661.14
θ = unique, *ut* = unique, *f* = 0, α = two-spike	3249	-7660.96	28333.96
θ = unique, *ut* = unique, *f* = constant, α = two-spike	3250	-6547.15	26114.35
θ = unique, *ut* = unique, *f* = unique, α = two-spike	4872	-5093.23	49258.75

Abbreviations: AICc, corrected Akaike Information Criterion; α, fraction new mutations driven to fixation by positive selection; beta, the Beta distribution; constant, a constant value of a parameter across all amplicons; *f*, the fraction of amplicons not under strong purifying selection; *k*, number of model parameters; *l*, number of loci or amplicons; ln*L*, log-likelihood; θ, expected neutral diversity; two-spike, two-spiked multimodal distribution; unique, unique value of a parameter for each amplicon; *ut*, expected neutral divergence.