

S3 Table. Lineages test for positive selection by branch-site model using PAML

Gene	Models	P	LnL	Parameters				
<i>MRPS5</i>	Branch-site #1 (Mammals)	102	-30920.221289	site class	0	1	2a	2b
				proportion	0.62268	0.34477	0.02095	0.01160
				background w	0.11432	1.00000	0.11432	1.00000
				foreground w	0.11432	1.00000	998.98326	998.98326
	Branch-site null #1 (Mammals)	101	-30927.633289	site class	0	1	2a	2b
				proportion	0.62279	0.34476	0.02089	0.01156
				background w	0.11431	1.00000	0.11431	1.00000
				foreground w	0.11431	1.00000	1.00000	1.00000
	Branch-site #2 (Birds)	102	-30923.441079	site class	0	1	2a	2b
				proportion	0.57814	0.32814	0.05978	0.03393
				background w	0.11287	1.00000	0.11287	1.00000
				foreground w	0.11287	1.00000	2.57000	2.57000
	Branch-site null #2 (Birds)	101	-30927.932329	site class	0	1	2a	2b
				proportion	0.57806	0.32812	0.05986	0.03395
				background w	0.11307	1.00000	0.11307	1.00000
				foreground w	0.11307	1.00000	1.00000	1.00000
	Branch-site #3 (Birds/Reptiles)	102	-30925.394879	site class	0	1	2a	2b
				proportion	0.63803	0.36197	0.00000	0.00000
				background w	0.11418	1.00000	0.11418	1.00000
				foreground w	0.11418	1.00000	3.54000	3.54000
	Branch-site null #3 (Birds/Reptiles)	101	-30927.365679	site class	0	1	2a	2b
				proportion	0.63605	0.36395	0.00000	0.00000
				background w	0.11422	1.00000	0.11422	1.00000
				foreground w	0.11422	1.00000	1.00000	1.00000

	Branch-site #4 (Amphibian)	102	-30925.394879	site class	0	1	2a	2b
				proportion	0.63803	0.36197	0.00000	0.00000
				background w	0.11418	1.00000	0.11418	1.00000
				foreground w	0.11418	1.00000	1.00000	1.00000
	Branch-site null #4 (Amphibian)	101	-30931.762979	site class	0	1	2a	2b
				proportion	0.63816	0.36184	0.00000	0.00000
				background w	0.11412	1.00000	0.11412	1.00000
				foreground w	0.11412	1.00000	1.00000	1.00000
	Branch-site #5 (Fish)	102	-30925.394879	site class	0	1	2a	2b
				proportion	0.63803	0.36197	0.00000	0.00000
				background w	0.11418	1.00000	0.11418	1.00000
				foreground w	0.11418	1.00000	1.00000	1.00000
	Branch-site null #5 (Fish)	101	-30930.444079	site class	0	1	2a	2b
				proportion	0.63812	0.36188	0.00000	0.00000
				background w	0.11420	1.00000	0.11420	1.00000
				foreground w	0.11420	1.00000	1.00000	1.00000
FOX03a	Branch-site #1 (Mammals)	102	-38935.573507	site class	0	1	2a	2b
				proportion	0.81509	0.18491	0.00000	0.00000
				background w	0.09022	1.00000	0.09022	1.00000
				foreground w	0.09022	1.00000	2.69405	2.69405
	Branch-site null #1 (Mammals)	101	-38939.122607	site class	0	1	2a	2b
				proportion	0.81501	0.18499	0.00000	0.00000
				background w	0.09023	1.00000	0.09023	1.00000
				foreground w	0.09023	1.00000	1.00000	1.00000

Branch-site #2 (Birds)	102	-38935.573518	site class	0	1	2a	2b
			proportion	0.81510	0.18490	0.00000	0.00000
			background w	0.09022	1.00000	0.09022	1.00000
			foreground w	0.09022	1.00000	1.00000	1.00000
Branch-site null #2 (Birds)	101	-38938.600618	site class	0	1	2a	2b
			proportion	0.81502	0.18498	0.00000	0.00000
			background w	0.09029	1.00000	0.09029	1.00000
			foreground w	0.09029	1.00000	1.00000	1.00000
Branch-site #3 (Birds/Reptiles)	102	-38933.906557	site class	0	1	2a	2b
			proportion	0.81266	0.18401	0.00272	0.00062
			background w	0.09004	1.00000	0.09004	1.00000
			foreground w	0.09004	1.00000	27.74363	27.74363
Branch-site null #3 (Birds/Reptiles)	101	-38937.013557	site class	0	1	2a	2b
			proportion	0.81252	0.18382	0.00285	0.00082
			background w	0.09003	1.00000	0.09003	1.00000
			foreground w	0.09003	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	102	-38922.535789	site class	0	1	2a	2b
			proportion	0.78923	0.17906	0.02584	0.00586
			background w	0.08918	1.00000	0.08918	1.00000
			foreground w	0.08918	1.00000	998.94735	998.94735
Branch-site null #4 (Amphibian)	101	-38933.498589	site class	0	1	2a	2b
			proportion	0.78925	0.17912	0.02579	0.00583
			background w	0.08924	1.00000	0.08924	1.00000
			foreground w	0.08924	1.00000	1.00000	1.00000

	Branch-site #5 (Fish)	102	-38927.422004	site class	0	1	2a	2b
				proportion	0.78869	0.17774	0.02740	0.00617
				background w	0.08951	1.00000	0.08951	1.00000
				foreground w	0.08951	1.00000	20.50811	20.50811
	Branch-site null #5 (Fish)	101	-38935.042454	site class	0	1	2a	2b
				proportion	0.77654	0.17634	0.03062	0.01650
				background w	0.08952	1.00000	0.08952	1.00000
				foreground w	0.08952	1.00000	1.00000	1.00000
<i>PARPI</i>	Branch-site #1 (Mammals)	102	-61077.131990	site class	0	1	2a	2b
				proportion	0.81034	0.18460	0.00412	0.00094
				background w	0.07227	1.00000	0.07227	1.00000
				foreground w	0.07227	1.00000	251.03911	251.03911
	Branch-site null #1 (Mammals)	101	-61080.756293	site class	0	1	2a	2b
				proportion	0.80447	0.18345	0.00984	0.00224
				background w	0.07228	1.00000	0.07228	1.00000
				foreground w	0.07228	1.00000	1.00000	1.00000
	Branch-site #2 (Birds)	102	-61076.797603	site class	0	1	2a	2b
				proportion	0.80779	0.18392	0.00675	0.00154
				background w	0.07210	1.00000	0.07210	1.00000
				foreground w	0.07210	1.00000	6.47247	6.47247
	Branch-site null #2 (Birds)	101	-61079.205043	site class	0	1	2a	2b
				proportion	0.79750	0.18187	0.01680	0.00383
				background w	0.07209	1.00000	0.07209	1.00000
				foreground w	0.07209	1.00000	1.00000	1.00000

Branch-site #3 (Birds/Reptiles)	102	-61079.954352	site class	0	1	2a	2b
			proportion	0.81157	0.18514	0.00268	0.00061
			background w	0.07229	1.00000	0.07229	1.00000
			foreground w	0.07229	1.00000	12.82835	12.82835
Branch-site null #3 (Birds/Reptiles)	101	-61082.867902	site class	0	1	2a	2b
			proportion	0.82763	0.19009	0.00159	0.01931
			background w	0.07216	1.00000	0.07216	1.00000
			foreground w	0.07216	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	102	-61059.880116	site class	0	1	2a	2b
			proportion	0.79593	0.17831	0.02105	0.00471
			background w	0.07199	1.00000	0.07199	1.00000
			foreground w	0.07199	1.00000	25.21602	25.21602
Branch-site null #4 (Amphibian)	101	-61070.660566	site class	0	1	2a	2b
			proportion	0.75145	0.17070	0.06344	0.01441
			background w	0.07148	1.00000	0.07148	1.00000
			foreground w	0.07148	1.00000	1.00000	1.00000
Branch-site #5 (Fish)	102	-61054.508022	site class	0	1	2a	2b
			proportion	0.78332	0.17601	0.03321	0.00746
			background w	0.07175	1.00000	0.07175	1.00000
			foreground w	0.07175	1.00000	16.89611	16.89611
Branch-site null #5 (Fish)	101	-61066.746233	site class	0	1	2a	2b
			proportion	0.73822	0.16845	0.07599	0.01734
			background w	0.07115	1.00000	0.07115	1.00000
			foreground w	0.07115	1.00000	1.00000	1.00000

PARP2	Branch-site #1	78	-38883.371059	site class	0	1	2a	2b
	(Mammals)			proportion	0.64832	0.33328	0.01215	0.00625
				background w	0.10409	1.00000	0.10409	1.00000
				foreground w	0.10409	1.00000	251.57836	251.57836
	Branch-site null #1	77	-38889.059433	site class	0	1	2a	2b
	(Mammals)			proportion	0.65075	0.34041	0.00580	0.00303
				background w	0.10375	1.00000	0.10375	1.00000
				foreground w	0.10375	1.00000	1.00000	1.00000
	Branch-site	78	-38884.369940	site class	0	1	2a	2b
	(Reptiles)			proportion	0.64401	0.33559	0.01341	0.00699
				background w	0.10347	1.00000	0.10347	1.00000
				foreground w	0.10347	1.00000	171.74271	171.74271
	Branch-site null	77	-38888.771709	site class	0	1	2a	2b
	(Reptiles)			proportion	0.64378	0.33662	0.01287	0.00673
				background w	0.10353	1.00000	0.10353	1.00000
				foreground w	0.10353	1.00000	1.00000	1.00000
	Branch-site #4	78	-38873.897205	site class	0	1	2a	2b
	(Amphibian)			proportion	0.62476	0.30747	0.04542	0.02235
				background w	0.10445	1.00000	0.10445	1.00000
				foreground w	0.10445	1.00000	42.33460	42.33460
	Branch-site null #4	77	-38884.883940	site class	0	1	2a	2b
	(Amphibian)			proportion	0.61315	0.31396	0.04821	0.02468
				background w	0.10301	1.00000	0.10301	1.00000
				foreground w	0.10301	1.00000	1.00000	1.00000

	Branch-site #5 (Fish)	78	-38861.798644	site class	0	1	2a	2b
				proportion	0.60523	0.31870	0.04983	0.02624
				background w	0.10163	1.00000	0.10163	1.00000
				foreground w	0.10163	1.00000	188.08457	188.08457
	Branch-site null #5 (Fish)	77	-38880.530188	site class	0	1	2a	2b
				proportion	0.56678	0.29712	0.08929	0.04681
				background w	0.10113	1.00000	0.10113	1.00000
				foreground w	0.10113	1.00000	1.00000	1.00000
<i>PPARGCIA</i>	Branch-site #1 (Mammals)	100	-43108.340734	site class	0	1	2a	2b
				proportion	0.66562	0.33438	0.00000	0.00000
				background w	0.10326	1.00000	0.10326	1.00000
				foreground w	0.10326	1.00000	1.00000	1.00000
	Branch-site null #1 (Mammals)	99	-43111.422284	site class	0	1	2a	2b
				proportion	0.66551	0.33449	0.00000	0.00000
				background w	0.10327	1.00000	0.10327	1.00000
				foreground w	0.10327	1.00000	1.00000	1.00000
	Branch-site #2 (Birds)	100	-43108.340734	site class	0	1	2a	2b
				proportion	0.66562	0.33438	0.00000	0.00000
				background w	0.10326	1.00000	0.10326	1.00000
				foreground w	0.10326	1.00000	1.00000	1.00000
	Branch-site null #2 (Birds)	99	-43110.045834	site class	0	1	2a	2b
				proportion	0.66430	0.33570	0.00000	0.00000
				background w	0.10128	1.00000	0.10128	1.00000
				foreground w	0.10128	1.00000	1.00000	1.00000

Branch-site #3 (Birds/Reptiles)	100	-43108.340736	site class	0	1	2a	2b
			proportion	0.66562	0.33438	0.00000	0.00000
			background w	0.10326	1.00000	0.10326	1.00000
			foreground w	0.10326	1.00000	1.00000	1.00000
Branch-site null #3 (Birds/Reptiles)	99	-43111.731236	site class	0	1	2a	2b
			proportion	0.65541	0.34459	0.00000	0.00000
			background w	0.10208	1.00000	0.10208	1.00000
			foreground w	0.10208	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	100	-43108.340734	site class	0	1	2a	2b
			proportion	0.66562	0.33438	0.00000	0.00000
			background w	0.10326	1.00000	0.10326	1.00000
			foreground w	0.10326	1.00000	1.00000	1.00000
Branch-site null #4 (Amphibian)	99	-43111.662184	site class	0	1	2a	2b
			proportion	0.64202	0.35798	0.00000	0.00000
			background w	0.10329	1.00000	0.10329	1.00000
			foreground w	0.10329	1.00000	1.00000	1.00000
Branch-site #5 (Fish)	100	-43107.047250	site class	0	1	2a	2b
			proportion	0.65594	0.32580	0.01220	0.00606
			background w	0.10269	1.00000	0.10269	1.00000
			foreground w	0.10269	1.00000	4.18203	4.18203
Branch-site null #5 (Fish)	99	-43109.5773	site class	0	1	2a	2b
			proportion	0.65472	0.32572	0.01295	0.00661
			background w	0.10254	1.00000	0.10254	1.00000
			foreground w	0.10254	1.00000	1.00000	1.00000

<i>SIRTI</i>	Branch-site #1	100	-43627.353497	site class	0	1	2a	2b
	(Mammals)			proportion	0.54289	0.45711	0.00000	0.00000
				background w	0.05190	1.00000	0.05190	1.00000
				foreground w	0.05190	1.00000	1.00000	1.00000
	Branch-site null #1	99	-43629.399897	site class	0	1	2a	2b
	(Mammals)			proportion	0.54291	0.45709	0.00000	0.00000
				background w	0.05187	1.00000	0.05187	1.00000
				foreground w	0.05187	1.00000	1.00000	1.00000
	Branch-site #2	100	-43627.353505	site class	0	1	2a	2b
	(Birds)			proportion	0.54289	0.45711	0.00000	0.00000
				background w	0.05190	1.00000	0.05190	1.00000
				foreground w	0.05190	1.00000	1.00000	1.00000
	Branch-site null #2	99	-43629.745105	site class	0	1	2a	2b
	(Birds)			proportion	0.54186	0.45814	0.00000	0.00000
				background w	0.05078	1.00000	0.05078	1.00000
				foreground w	0.05078	1.00000	1.00000	1.00000
	Branch-site #3	100	-43627.353499	site class	0	1	2a	2b
	(Birds/Reptiles)			proportion	0.54289	0.45711	0.00000	0.00000
				background w	0.05190	1.00000	0.05190	1.00000
				foreground w	0.05190	1.00000	1.00000	1.00000
	Branch-site null #3	99	-43629.854099	site class	0	1	2a	2b
	(Birds/Reptiles)			proportion	0.53158	0.46842	0.00000	0.00000
				background w	0.05191	1.00000	0.05191	1.00000
				foreground w	0.05191	1.00000	1.00000	1.00000

	Branch-site #4 (Amphibian)	100	-43625.175152	site class	0	1	2a	2b
				proportion	0.52422	0.44249	0.01805	0.01524
				background w	0.05098	1.00000	0.05098	1.00000
				foreground w	0.05098	1.00000	1.00000	1.00000
	Branch-site null #4 (Amphibian)	99	-43629.721902	site class	0	1	2a	2b
				proportion	0.52834	0.44250	0.01702	0.01214
				background w	0.05099	1.00000	0.05099	1.00000
				foreground w	0.05099	1.00000	1.00000	1.00000
	Branch-site #5 (Fish)	100	-43621.181594	site class	0	1	2a	2b
				proportion	0.52954	0.44190	0.01557	0.01299
				background w	0.05148	1.00000	0.05148	1.00000
				foreground w	0.05148	1.00000	998.99613	998.99613
	Branch-site null #5 (Fish)	99	-43623.749044	site class	0	1	2a	2b
				proportion	0.52962	0.44198	0.01543	0.01297
				background w	0.05140	1.00000	0.05140	1.00000
				foreground w	0.05140	1.00000	1.00000	1.00000
SIRT2	Branch-site #1 (Mammals)	86	-26945.165813	site class	0	1	2a	2b
				proportion	0.68166	0.28773	0.02152	0.00908
				background w	0.08111	1.00000	0.08111	1.00000
				foreground w	0.08111	1.00000	28.52968	28.52968
	Branch-site null #1 (Mammals)	85	-26948.711963	ite class	0	1	2a	2b
				proportion	0.68178	0.28775	0.02140	0.00906
				background w	0.08129	1.00000	0.08129	1.00000
				foreground w	0.08129	1.00000	1.00000	1.00000

Branch-site #2 (Birds)	86	-26950.612331	site class	0	1	2a	2b
			proportion	0.69067	0.29731	0.00840	0.00362
			background w	0.08122	1.00000	0.08122	1.00000
			foreground w	0.08122	1.00000	157.14276	157.14276
Branch-site null #2 (Birds)	85	-26954.110481	site class	0	1	2a	2b
			proportion	0.69265	0.29850	0.00638	0.00247
			background w	0.08069	1.00000	0.08069	1.00000
			foreground w	0.08069	1.00000	1.00000	1.00000
Branch-site #3 (Birds/Reptiles)	86	-26942.816770	site class	0	1	2a	2b
			proportion	0.68439	0.29303	0.01581	0.00677
			background w	0.08074	1.00000	0.08074	1.00000
			foreground w	0.08074	1.00000	172.82907	172.82907
Branch-site null #3 (Birds/Reptiles)	85	-26950.41352	site class	0	1	2a	2b
			proportion	0.68226	0.29210	0.01789	0.00685
			background w	0.08075	1.00000	0.08075	1.00000
			foreground w	0.08075	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	86	-26951.693147	site class	0	1	2a	2b
			proportion	0.69126	0.29805	0.00747	0.00322
			background w	0.08114	1.00000	0.08114	1.00000
			foreground w	0.08114	1.00000	4.88201	4.88201
Branch-site null #4 (Amphibian)	85	-26953.701797	site class	0	1	2a	2b
			proportion	0.69114	0.29710	0.00762	0.00332
			background w	0.08109	1.00000	0.08109	1.00000
			foreground w	0.08109	1.00000	1.00000	1.00000

	Branch-site #5 (Fish)	86	-26934.971329	site class	0	1	2a	2b
				proportion	0.65809	0.27556	0.04677	0.01958
				background w	0.08100	1.00000	0.08100	1.00000
				foreground w	0.08100	1.00000	999.00000	999.00000
	Branch-site null #5 (Fish)	85	-26949.019929	site class	0	1	2a	2b
				proportion	0.65817	0.27565	0.04668	0.01950
				background w	0.08114	1.00000	0.08114	1.00000
				foreground w	0.08114	1.00000	1.00000	1.00000
<i>SOD3</i>	Branch-site #1 (Mammals)	96	-19858.187943	site class	0	1	2a	2b
				proportion	0.43924	0.49242	0.03222	0.03612
				background w	0.12728	1.00000	0.12728	1.00000
				foreground w	0.12728	1.00000	362.12813	362.12813
	Branch-site null #1 (Mammals)	95	-19861.204193	site class	0	1	2a	2b
				proportion	0.43812	0.49234	0.03229	0.03625
				background w	0.12908	1.00000	0.12908	1.00000
				foreground w	0.12908	1.00000	1.00000	1.00000
	Branch-site #2 (Birds)	96	-19867.546063	site class	0	1	2a	2b
				proportion	0.46905	0.53095	0.00000	0.00000
				background w	0.12957	1.00000	0.12957	1.00000
				foreground w	0.12957	1.00000	1.00000	1.00000
	Branch-site null #2 (Birds)	95	-19870.780313	site class	0	1	2a	2b
				proportion	0.46903	0.53097	0.00000	0.00000
				background w	0.12893	1.00000	0.12893	1.00000
				foreground w	0.12893	1.00000	1.00000	1.00000

Branch-site #3 (Birds/Reptiles)	96	-19866.642871	site class	0	1	2a	2b
			proportion	0.46640	0.51719	0.00778	0.00863
			background w	0.12998	1.00000	0.12998	1.00000
			foreground w	0.12998	1.00000	9.06156	9.06156
Branch-site null #3 (Birds/Reptiles)	95	-19870.692621	site class	0	1	2a	2b
			proportion	0.46622	0.51717	0.00789	0.00872
			background w	0.12876	1.00000	0.12876	1.00000
			foreground w	0.12876	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	96	-19866.748346	site class	0	1	2a	2b
			proportion	0.45924	0.51347	0.01289	0.01441
			background w	0.13002	1.00000	0.13002	1.00000
			foreground w	0.13002	1.00000	10.35377	10.35377
Branch-site null #4 (Amphibian)	95	-19871.298796	site class	0	1	2a	2b
			proportion	0.45012	0.51107	0.01391	0.02491
			background w	0.13312	1.00000	0.13312	1.00000
			foreground w	0.13312	1.00000	1.00000	1.00000
Branch-site #5 (Fish)	96	-19862.561954	site class	0	1	2a	2b
			proportion	0.44467	0.46020	0.04675	0.04838
			background w	0.13422	1.00000	0.13422	1.00000
			foreground w	0.13422	1.00000	999.00000	999.00000
Branch-site null #5 (Fish)	95	-19868.661404	site class	0	1	2a	2b
			proportion	0.44677	0.46119	0.04375	0.04829
			background w	0.13421	1.00000	0.13421	1.00000
			foreground w	0.13421	1.00000	1.00000	1.00000

<i>TP53</i>	Branch-site #1	78	-27706.106253	site class	0	1	2a	2b
	(Mammals)			proportion	0.50565	0.45732	0.01944	0.01758
				background w	0.09401	1.00000	0.09401	1.00000
				foreground w	0.09401	1.00000	834.09156	834.09156
	Branch-site null #1	77	-27710.564903	site class	0	1	2a	2b
	(Mammals)			proportion	0.50697	0.45835	0.01909	0.01558
				background w	0.09381	1.00000	0.09381	1.00000
				foreground w	0.09381	1.00000	1.00000	1.00000
	Branch-site #2	78	-27701.790550	site class	0	1	2a	2b
	(Birds)			proportion	0.49185	0.45047	0.03011	0.02757
				background w	0.09304	1.00000	0.09304	1.00000
				foreground w	0.09304	1.00000	92.55009	92.55009
	Branch-site null #2	77	-27703.735200	site class	0	1	2a	2b
	(Birds)			proportion	0.50287	0.45050	0.02006	0.02657
				background w	0.09321	1.00000	0.09321	1.00000
				foreground w	0.09321	1.00000	1.00000	1.00000
	Branch-site #3	78	-27708.436755	site class	0	1	2a	2b
	(Birds/Reptiles)			proportion	0.52037	0.47963	0.00000	0.00000
				background w	0.09401	1.00000	0.09401	1.00000
				foreground w	0.09401	1.00000	1.00000	1.00000
	Branch-site null #3	77	-27710.982555	site class	0	1	2a	2b
	(Birds/Reptiles)			proportion	0.52139	0.47861	0.00000	0.00000
				background w	0.09403	1.00000	0.09403	1.00000
				foreground w	0.09403	1.00000	1.00000	1.00000

	Branch-site #4 (Amphibian)	78	-27708.436768	site class	0	1	2a	2b
				proportion	0.49375	0.45509	0.02663	0.02454
				background w	0.09401	1.00000	0.09401	1.00000
				foreground w	0.09401	1.00000	1.17904	1.17904
	Branch-site null #4 (Amphibian)	77	-27713.482968	site class	0	1	2a	2b
				proportion	0.49380	0.45604	0.02588	0.02429
				background w	0.09398	1.00000	0.09398	1.00000
				foreground w	0.09398	1.00000	1.00000	1.00000
	Branch-site #5 (Fish)	78	-27700.442422	site class	0	1	2a	2b
				proportion	0.48957	0.45474	0.02887	0.02681
				background w	0.09196	1.00000	0.09196	1.00000
				foreground w	0.09196	1.00000	35.63319	35.63319
	Branch-site null #5 (Fish)	77	-27710.534172	site class	0	1	2a	2b
				proportion	0.48962	0.45489	0.02879	0.02669
				background w	0.09290	1.00000	0.09290	1.00000
				foreground w	0.09290	1.00000	1.00000	1.00000
SIRT6	Branch-site #1 (Mammals)	94	-26980.481368	site class	0	1	2a	2b
				proportion	0.65686	0.31285	0.02052	0.00977
				background w	0.09346	1.00000	0.09346	1.00000
				foreground w	0.09346	1.00000	8.79210	8.79210
	Branch-site null #1 (Mammals)	93	-26985.218468	site class	0	1	2a	2b
				proportion	0.65083	0.31282	0.02560	0.01075
				background w	0.09347	1.00000	0.09347	1.00000
				foreground w	0.09347	1.00000	1.00000	1.00000

Branch-site #2 (Birds)	94	-26984.548942	site class	0	1	2a	2b
			proportion	0.67547	0.32453	0.00000	0.00000
			background w	0.09370	1.00000	0.09370	1.00000
			foreground w	0.09370	1.00000	1.00000	1.00000
Branch-site null #2 (Birds)	93	-26989.034142	site class	0	1	2a	2b
			proportion	0.66520	0.33480	0.00000	0.00000
			background w	0.09378	1.00000	0.09378	1.00000
			foreground w	0.09378	1.00000	1.00000	1.00000
Branch-site #3 (Birds/Reptiles)	94	-26984.548942	site class	0	1	2a	2b
			proportion	0.67547	0.32453	0.00000	0.00000
			background w	0.09370	1.00000	0.09370	1.00000
			foreground w	0.09370	1.00000	1.00000	1.00000
Branch-site null #3 (Birds/Reptiles)	93	-26988.060742	site class	0	1	2a	2b
			proportion	0.67425	0.32575	0.00000	0.00000
			background w	0.09371	1.00000	0.09371	1.00000
			foreground w	0.09371	1.00000	1.00000	1.00000
Branch-site #4 (Amphibian)	94	-26976.180244	site class	0	1	2a	2b
			proportion	0.65047	0.30576	0.02978	0.01400
			background w	0.09333	1.00000	0.09333	1.00000
			foreground w	0.09333	1.00000	500.19230	500.19230
Branch-site null #4 (Amphibian)	93	-26980.499194	site class	0	1	2a	2b
			proportion	0.53027	0.28948	0.03775	0.01593
			background w	0.09332	1.00000	0.09332	1.00000
			foreground w	0.09332	1.00000	1.00000	1.00000

Branch-site #5 (Fish)	94	-26957.679678	site class	0	1	2a	2b
			proportion	0.60519	0.29354	0.06820	0.03308
			background w	0.09230	1.00000	0.09230	1.00000
			foreground w	0.09230	1.00000	999.00000	999.00000
Branch-site null #5 (Fish)	93	-26967.210578	site class	0	1	2a	2b
			proportion	0.61550	0.30323	0.06016	0.02112
			background w	0.09121	1.00000	0.09121	1.00000
			foreground w	0.09121	1.00000	1.00000	1.00000