

Supplementary file S5

PAML - Branch Analysis Mammals vs. Reptiles

	Gene	Model	nP	Parameters	lnL	K(ts/tv)	ω_b	ω_f
A	AMEL	Free-ratio	133		-7318.77	2.03		
B		One-ratio	68		-7388.49	1.99	0.4681	
C		Two-ratio	69	Reptiles [f] Mammals [b]	-7380.29	2.00	0.3486	0.5798
D	AMBN	Free-ratio	129		-17884.28	2.52		
E		One-ratio	66		-17958.82	2.50	0.3957	
F		Two-ratio	67	Reptiles [f] Mammals [b]	-17956.04	2.50	0.4371	0.3655
G	ENAM	Free-ratio	129		-53943.44	3.15		
H		One-ratio	66		-54014.88	3.12	0.4565	
I		Two-ratio	67	Reptiles [f] Mammals [b]	-54011.12	3.12	0.4268	0.4832

Statistical analyses

	Gene		2 Δ l	DF	P-value
	AMEL	A vs B	139.44	65	6.61 e-08
		C vs B	16.41	1	2.69 e-05
	AMBN	D vs E	149.07	63	1.86 e-09
		F vs E	5.55	1	0.01
	ENAM	G vs H	142.88	63	1.12 e-08
		I vs H	7.52	1	0.003

[f] – foreground; [b] – background