

SUPPORTING INFORMATION

Dispersal out of Wallacea spurs diversification of *Pteropus* flying foxes, the world's largest bats (Mammalia: Chiroptera)

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Appendix S2. Genetic marker information and substitution models for each locus used in phylogenetic reconstruction. Models were selected using to the best AICc scores of likelihood ration tests calculated with jModelTest 2. Thermal cycle protocols for each gene were as follows: 35 cycles of initial denaturation at 95° C for 2 min, annealing for 30 s, extension at 72° C for 2 min; then a final extension at 72° C for 3 min.

Marker (abbreviation)	Primer Name	Temp. (°C)	F/R	Primers	Size	Citation	AICc	AICc Weight
ATPase-7A (ATP7A)	ATP7AF	52	F	TCCCTGGACAATCAAGAAC	670	Murphy et al., 2001	HKY+G	0.609366
	ATP7AR		R	AAGGTAGCATCAAATCCCAGT				
Brain-derived neurotrophic factor (BDNF)	BDNFF	55	F	CATCCTTCCTACTATGGTT	558	Murphy et al., 2001	K80+G	0.964003
	BDNFR		R	TTCCAGTGCCTTTGTCTATG				
Cytochrome b (cytb)	L14724	49	F	CGAAGCTTGATATGAAAAACCACATCGTTG	1139	Irwin, Kocker, & Wilson, 1991	JC	1.000000
	H15506		R	AGTGGRTTRGCTGGTGTARTTGTC				
	L15171	49	F	CATGAGGACAAATATCATTCTGAGG				
	UMMZ04		R	TCTTCATTTWGGTTACAAGAC				
COP9 signalosome subunit 7A (COPS7A-4)	COPS7A-4F	55	F	TACAGCATYGGRCRGACATCCA	733	Igea, Juste, & Castresana, 2010	TrN+G	0.369059
	COPS7A-4R		R	TCACYTGCTCCTCRATGCCKGACA				
Displacement loop (D-loop)	RodmtU	55	F	GCTGAGGTTCTACTTAACT	429	Brown, Brook, Fordyce, & McCracken, 2011	HKY+G	0.999916
	RodmtL		R	GAGATGTCTTATTAAAGGGG				
Beta fibrinogen intron 7 (FGB7)	FGBF	55	F	CCACAACRGCATGTTCTTCAGCAC	581	Hassanin & Ropiquet, 2007	HKY+G	0.964033
	FGBR		R	GTATCTGCCATTGGATTGGCTGC				

Marker (abbreviation)	Primer Name	Temp. (°C)	F/R	Primers	Size	Citation	AICc	AICc Weight
Phospholipase C, beta 4 (PLCB4)	PLCB4F	55	F	GTGAAATTGGAAGCCGAGAT	309	Murphy et al., 2001	JC	1.000000
	PLCB4R		R	CACCAAGCTCATTTACTTGTGA				
Recombination activating gene 1 (RAG-1)	RAG1F1705	55	F	GCTTGATGGACATGGAAGAAGACAT	1060	Teeling et al., 2000	TIM2ef+G	0.248385
	RAG1R2864		R	GAGCCATCCCTCTCAATAATTCAGG				
Recombination activating gene 2 (RAG-2)	RAG2-F1	55	F	GATTCTGCTAYCTYCCTCCT	747	He et al., 2010	TPM1+G	0.512182
	RAG2-R1		R	CCCATGTTGCTTCCAAACCATA				
Signal transducer & activator of transcription intron 5A (STAT5A)	BatSTATa	55	F	CTGCTCATCAACAAGCCCGA	479	Lack et al., 2010	K80+G	0.639139
	BatSTATb		R	GGCTTCAGGTTCCACAGGTTGC				

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