Table S2: Sequence evolution model used in the ML and BI phylogenetic analysis

Codon	ML models	BI models
16S	TIM2+F+I	GTR+I+G
BDNF_codon1	JC	GTR+I+G
BDNF_codon2	K2P	GTR+I+G
BDNF_codon3	JC	GTR+I+G
CMOS_codon1	JC	GTR+I+G
CMOS_codon2	JC	GTR+I+G
CMOS_codon3	HKY+F	GTR+I+G
CYTB_codon1	TPM2u+F+I+G4	GTR+I+G
CYTB_codon2	TN+F+R2	GTR+I+G
CYTB_codon3	TIM2+F+R3	GTR+I+G
ND4_codon1	K3Pu+F+G4	GTR+I+G
ND4_codon2	HKY+F+I	GTR+I+G
ND4_codon3	HKY+F+G4	GTR+I+G
NT3_codon1	K2P	GTR+I+G
NT3_codon2	JC	GTR+I+G
NT3_codon3	K2P	GTR+I+G
RAG1_codon1	F81+F	GTR+I+G
RAG1_codon2	K2P+I	GTR+I+G
RAG1_codon3	HKY+F	GTR+I+G