A. Mus musculus

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.424	Ser TCT 0.460	Tyr TAT 0.483	Cys TGT 0.250
	*TTC 0.576	TCC 0.540	*TAC 0.517	*TGC 0.750
	Leu *TTA 0.942	*TCA 0.980	Stop TAA 0.000	Trp *TGA 0.949
	TTG 0.058	TCG 0.020	TAG 0.000	TGG 0.051
C	Leu CTT 0.568	Pro CCT 0.452	His CAT 0.351	Arg CGT 0.308
	CTC 0.432	CCC 0.548	*CAC 0.649	CGC 0.692
	*CTA 0.908	*CCA 0.985	Gln *CAA 0.963	*CGA 0.919
	CTG 0.092	CCG 0.015	CAG 0.037	CGG 0.081
A	Ile ATT 0.616	Thr ACT 0.386	Asn AAT 0.344	Ser AGT 0.239
	*ATC 0.384	ACC 0.614	*AAC 0.656	*AGC 0.761
	Met ATA 0.903	*ACA 0.969	Lys *AAA 0.990	Stop AGA 0.000
	*ATG 0.097	ACG 0.031	AAG 0.010	AGG 0.000
G	Val GTT 0.535	Ala GCT 0.341	Asp GAT 0.368	Gly GGT 0.400
	GTC 0.465	GCC 0.659	*GAC 0.632	GGC 0.600
	*GTA 0.908	*GCA 0.949	Glu *GAA 0.928	*GGA 0.835
	GTG 0.092	GCG 0.051	GAG 0.072	GGG 0.165

B. Loxodonta africana

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.517	Ser TCT 0.517	Tyr TAT 0.462	Cys TGT 0.409
	*TTC 0.483	TCC 0.483	*TAC 0.538	*TGC 0.591
	Leu *TTA 0.881	*TCA 0.949	Stop TAA 0.000	Trp *TGA 0.899
	TTG 0.119	TCG 0.051	TAG 0.000	TGG 0.101
C	Leu CTT 0.554	Pro CCT 0.522	His CAT 0.444	Arg CGT 0.333
	CTC 0.446	CCC 0.478	*CAC 0.556	CGC 0.667
	*CTA 0.900	*CCA 0.922	Gln *CAA 0.917	*CGA 0.936
	CTG 0.100	CCG 0.078	CAG 0.083	CGG 0.064
A	Ile ATT 0.562	Thr ACT 0.472	Asn AAT 0.429	Ser AGT 0.449
	*ATC 0.438	ACC 0.528	*AAC 0.571	*AGC 0.551
	Met ATA 0.860	*ACA 0.930	Lys *AAA 0.719	Stop AGA 0.000
	*ATG 0.140	ACG 0.070	AAG 0.281	AGG 0.000
G	Val GTT 0.471	Ala GCT 0.472	Asp GAT 0.492	Gly GGT 0.393
	GTC 0.529	GCC 0.528	*GAC 0.508	GGC 0.607
	*GTA 0.917	*GCA 0.988	Glu *GAA 0.885	*GGA 0.814
	GTG 0.083	GCG 0.012	GAG 0.115	GGG 0.186

C. Danio rerio

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.605	Ser TCT 0.736	Tyr TAT 0.448	Cys TGT 0.444
	*TTC 0.395	TCC 0.264	*TAC 0.552	*TGC 0.556
	Leu *TTA 0.896	*TCA 0.938	Stop TAA 0.000	Trp *TGA 0.922
	TTG 0.104	TCG 0.062	TAG 0.000	TGG 0.078
C	Leu CTT 0.788	Pro CCT 0.481	His CAT 0.333	Arg CGT 0.600
	CTC 0.212	CCC 0.519	*CAC 0.667	CGC 0.400
	*CTA 0.866	*CCA 0.906	Gln *CAA 0.894	*CGA 0.850
	CTG 0.134	CCG 0.094	CAG 0.106	CGG 0.150
A	Ile ATT 0.642	Thr ACT 0.434	Asn AAT 0.458	Ser AGT 0.245
	*ATC 0.358	ACC 0.566	*AAC 0.542	*AGC 0.755
	Met ATA 0.742	*ACA 0.915	Lys *AAA 0.908	Stop AGA 0.000
	*ATG 0.258	ACG 0.085	AAG 0.092	AGG 0.000
G	Val GTT 0.731	Ala GCT 0.447	Asp GAT 0.350	Gly GGT 0.391
	GTC 0.269	GCC 0.553	*GAC 0.650	GGC 0.609
	*GTA 0.882	*GCA 0.926	Glu *GAA 0.823	*GGA 0.743
	GTG 0.118	GCG 0.074	GAG 0.177	GGG 0.257

D. Xenopus laevis

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.532	Ser TCT 0.569	Tyr TAT 0.462	Cys TGT 0.370
	*TTC 0.468	TCC 0.431	*TAC 0.538	*TGC 0.630
	Leu *TTA 0.936	*TCA 0.937	Stop TAA 0.000	Trp *TGA 0.934
	TTG 0.064	TCG 0.063	TAG 0.000	TGG 0.066
C	Leu CTT 0.745	Pro CCT 0.706	His CAT 0.417	Arg CGT 0.692
	CTC 0.255	CCC 0.294	*CAC 0.583	CGC 0.308
	*CTA 0.933	*CCA 0.917	Gln *CAA 0.939	*CGA 0.980
	CTG 0.067	CCG 0.083	CAG 0.061	CGG 0.020
A	Ile ATT 0.664	Thr ACT 0.539	Asn AAT 0.466	Ser AGT 0.212
	*ATC 0.336	ACC 0.461	*AAC 0.534	*AGC 0.788
	Met ATA 0.829	*ACA 0.948	Lys *AAA 0.927	Stop AGA 0.000
	*ATG 0.171	ACG 0.052	AAG 0.073	AGG 0.000
G	Val GTT 0.662	Ala GCT 0.459	Asp GAT 0.472	Gly GGT 0.500
	GTC 0.338	GCC 0.541	*GAC 0.528	GGC 0.500
	*GTA 0.882	*GCA 0.965	Glu *GAA 0.882	*GGA 0.855
	GTG 0.118	GCG 0.035	GAG 0.118	GGG 0.145

E. Gallus gallus

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.223	Ser TCT 0.225	Tyr TAT 0.184	Cys TGT 0.080
	*TTC 0.777	TCC 0.775	*TAC 0.816	*TGC 0.920
	Leu *TTA 0.949	*TCA 0.970	Stop TAA 0.000	Trp *TGA 0.912
	TTG 0.051	TCG 0.030	TAG 0.000	TGG 0.088
C	Leu CTT 0.292	Pro CCT 0.143	His CAT 0.230	Arg CGT 0.000
	CTC 0.708	CCC 0.857	*CAC 0.770	CGC 1.000
	*CTA 0.897	*CCA 0.981	Gln *CAA 0.930	*CGA 0.882
	CTG 0.103	CCG 0.019	CAG 0.070	CGG 0.118
A	Ile ATT 0.276	Thr ACT 0.244	Asn AAT 0.168	Ser AGT 0.018
	*ATC 0.724	ACC 0.756	*AAC 0.832	*AGC 0.982
	Met ATA 0.822	*ACA 0.969	Lys *AAA 0.888	Stop AGA 0.000
	*ATG 0.178	ACG 0.031	AAG 0.112	AGG 0.000
G	Val GTT 0.279	Ala GCT 0.200	Asp GAT 0.102	Gly GGT 0.170
	GTC 0.721	GCC 0.800	*GAC 0.898	GGC 0.830
	*GTA 0.902	*GCA 0.969	Glu *GAA 0.848	*GGA 0.894
	GTG 0.098	GCG 0.031	GAG 0.152	GGG 0.106

F. Python regius

First Nucleotide	Second Nucleotide: T	Second Nucleotide: C	Second Nucleotide: A	Second Nucleotide: G
T	Phe TTT 0.327	Ser TCT 0.259	Tyr TAT 0.388	Cys TGT 0.348
	*TTC 0.673	TCC 0.741	*TAC 0.612	*TGC 0.652
	Leu *TTA 0.918	*TCA 0.913	Stop TAA 0.000	Trp *TGA 0.905
	TTG 0.082	TCG 0.087	TAG 0.000	TGG 0.095
C	Leu CTT 0.389	Pro CCT 0.182	His CAT 0.229	Arg CGT 0.500
	CTC 0.611	CCC 0.818	*CAC 0.771	CGC 0.500
	*CTA 0.908	*CCA 0.953	Gln *CAA 0.883	*CGA 0.935
	CTG 0.092	CCG 0.047	CAG 0.117	CGG 0.065
A	Ile ATT 0.373	Thr ACT 0.177	Asn AAT 0.287	Ser AGT 0.100
	*ATC 0.627	ACC 0.823	*AAC 0.713	*AGC 0.900
	Met ATA 0.890	*ACA 0.944	Lys *AAA 0.908	Stop AGA 0.000
	*ATG 0.110	ACG 0.056	AAG 0.092	AGG 0.000
G	Val GTT 0.375	Ala GCT 0.187	Asp GAT 0.219	Gly GGT 0.128
	GTC 0.625	GCC 0.813	*GAC 0.781	GGC 0.872
	*GTA 0.929	*GCA 0.961	Glu *GAA 0.889	*GGA 0.802
	GTG 0.071	GCG 0.039	GAG 0.111	GGG 0.198