Table S2 (A). The codon number and relative synonymous codon usage in mitochondrial protein-coding genes of *Dryophytes japonicus*.

Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU
UUU(F)	143	1.13	UCU(S)	82	1.58	UAU(Y)	55	0.94	UGU(C)	8	0.48
UUC(F)	109	0.87	UCC(S)	73	1.4	UAC(Y)	62	1.06	UGC(C)	25	1.52
UUA(L)	132	1.34	UCA(S)	96	1.85	UAA (*)	3	1.5	UGA(W)	93	1.68
UUG(L)	35	0.35	UCG(S)	7	0.13	UAG (*)	2	1	UGG(W)	18	0.32
CUU(L)	147	1.49	CCU(P)	45	0.9	CAU(H)	37	0.8	CGU(R)	13	0.74
CUC(L)	87	0.88	CCC(P)	55	1.1	CAC(H)	56	1.2	CGC(R)	10	0.57
CUA(L)	160	1.62	CCA(P)	90	1.8	CAA(Q)	84	1.91	CGA(R)	43	2.46
CUG(L)	31	0.31	CCG(P)	10	0.2	CAG(Q)	4	0.09	CGG(R)	4	0.23
AUU(I)	227	1.32	ACU(T)	69	1.04	AAU(N)	68	1.05	AGU(S)	17	0.33
AUC(I)	118	0.68	ACC(T)	83	1.25	AAC(N)	62	0.95	AGC(S)	37	0.71
AUA(M)	127	1.51	ACA(T)	107	1.61	AAA(K)	79	1.78	AGA (*)	2	1
AUG(M)	41	0.49	ACG(T)	7	0.11	AAG(K)	10	0.22	AGG (*)	1	0.5
GUU(V)	62	1.31	GCU(A)	94	1.21	GAU(D)	33	0.92	GGU(G)	47	0.85
GUC(V)	48	1.01	GCC(A)	112	1.44	GAC(D)	39	1.08	GGC(G)	48	0.86
GUA(V)	58	1.22	GCA(A)	101	1.29	GAA(E)	73	1.55	GGA(G)	84	1.51
GUG(V)	22	0.46	GCG(A)	5	0.06	GAG(E)	21	0.45	GGG(G)	43	0.77

Table S2 (B). The codon number and relative synonymous codon usage in mitochondrial protein-coding genes of *Dryophytes immaculata*.

Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU
UUU(F)	121	0.96	UCU(S)	72	1.38	UAU(Y)	38	0.67	UGU(C)	12	0.73
UUC(F)	130	1.04	UCC(S)	81	1.55	UAC(Y)	76	1.33	UGC(C)	21	1.27
UUA(L)	116	1.16	UCA(S)	102	1.96	UAA (*)	4	2	UGA(W)	90	1.62
UUG(L)	32	0.32	UCG(S)	8	0.15	UAG (*)	1	0.5	UGG(W)	21	0.38
CUU(L)	125	1.25	CCU(P)	37	0.74	CAU(H)	31	0.67	CGU(R)	11	0.63
CUC(L)	110	1.1	CCC(P)	84	1.69	CAC(H)	62	1.33	CGC(R)	10	0.57
CUA(L)	158	1.58	CCA(P)	65	1.31	CAA(Q)	78	1.75	CGA(R)	43	2.46
CUG(L)	60	0.6	CCG(P)	13	0.26	CAG(Q)	11	0.25	CGG(R)	6	0.34
AUU(I)	183	1.07	ACU(T)	61	0.91	AAU(N)	54	0.82	AGU(S)	11	0.21
AUC(I)	159	0.93	ACC(T)	103	1.54	AAC(N)	78	1.18	AGC(S)	39	0.75
AUA(M)	118	1.52	ACA(T)	100	1.49	AAA(K)	75	1.7	AGA (*)	3	1.5
AUG(M)	37	0.48	ACG(T)	4	0.06	AAG(K)	13	0.3	AGG (*)	0	0
GUU(V)	62	1.27	GCU(A)	77	0.98	GAU(D)	25	0.68	GGU(G)	35	0.62
GUC(V)	56	1.15	GCC(A)	137	1.75	GAC(D)	48	1.32	GGC(G)	54	0.96
GUA(V)	50	1.03	GCA(A)	90	1.15	GAA(E)	70	1.49	GGA(G)	84	1.5
GUG(V)	27	0.55	GCG(A)	9	0.12	GAG(E)	24	0.51	GGG(G)	51	0.91

Table S2 (C). The codon number and relative synonymous codon usage in mitochondrial protein-coding genes of *Hyla annectans*.

Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU
UUU(F)	169	1.36	UCU(S)	81	1.57	UAU(Y)	64	1.08	UGU(C)	11	0.71
UUC(F)	80	0.64	UCC(S)	70	1.35	UAC(Y)	54	0.92	UGC(C)	20	1.29
UUA(L)	185	1.81	UCA(S)	98	1.9	UAA (*)	3	1.5	UGA(W)	100	1.8
UUG(L)	35	0.34	UCG(S)	10	0.19	UAG (*)	2	1	UGG(W)	11	0.2
CUU(L)	114	1.12	CCU(P)	44	0.92	CAU(H)	36	0.78	CGU(R)	6	0.34
CUC(L)	86	0.84	CCC(P)	65	1.35	CAC(H)	56	1.22	CGC(R)	9	0.51
CUA(L)	157	1.54	CCA(P)	70	1.46	CAA(Q)	78	1.71	CGA(R)	50	2.86
CUG(L)	35	0.34	CCG(P)	13	0.27	CAG(Q)	13	0.29	CGG(R)	5	0.29
AUU(I)	216	1.28	ACU(T)	75	1.11	AAU(N)	66	0.99	AGU(S)	22	0.43
AUC(I)	121	0.72	ACC(T)	80	1.18	AAC(N)	68	1.01	AGC(S)	29	0.56
AUA(M)	116	1.46	ACA(T)	109	1.61	AAA(K)	76	1.73	AGA (*)	3	1.5
AUG(M)	43	0.54	ACG(T)	7	0.1	AAG(K)	12	0.27	AGG (*)	0	0
GUU(V)	62	1.33	GCU(A)	83	1.04	GAU(D)	28	0.76	GGU(G)	39	0.7
GUC(V)	46	0.99	GCC(A)	116	1.45	GAC(D)	46	1.24	GGC(G)	49	0.88
GUA(V)	66	1.42	GCA(A)	115	1.44	GAA(E)	72	1.58	GGA(G)	89	1.6
GUG(V)	12	0.26	GCG(A)	6	0.07	GAG(E)	19	0.42	GGG(G)	45	0.81

Table S2 (D). The codon number and relative synonymous codon usage in mitochondrial protein-coding genes of *Hyla chinensis*.

Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU
UUU(F)	155	1.25	UCU(S)	84	1.64	UAU(Y)	66	1.16	UGU(C)	15	0.91
UUC(F)	93	0.75	UCC(S)	64	1.25	UAC(Y)	48	0.84	UGC(C)	18	1.09
UUA(L)	166	1.65	UCA(S)	104	2.03	UAA (*)	4	2	UGA(W)	92	1.64
UUG(L)	33	0.33	UCG(S)	6	0.12	UAG (*)	1	0.5	UGG(W)	20	0.36
CUU(L)	116	1.15	CCU(P)	43	0.88	CAU(H)	34	0.7	CGU(R)	8	0.46
CUC(L)	95	0.95	CCC(P)	65	1.33	CAC(H)	63	1.3	CGC(R)	8	0.46
CUA(L)	157	1.56	CCA(P)	81	1.65	CAA(Q)	79	1.76	CGA(R)	49	2.84
CUG(L)	36	0.36	CCG(P)	7	0.14	CAG(Q)	11	0.24	CGG(R)	4	0.23
AUU(I)	213	1.26	ACU(T)	73	1.05	AAU(N)	67	0.98	AGU(S)	17	0.33
AUC(I)	126	0.74	ACC(T)	95	1.37	AAC(N)	70	1.02	AGC(S)	32	0.63
AUA(M)	135	1.64	ACA(T)	99	1.43	AAA(K)	77	1.77	AGA (*)	3	1.5
AUG(M)	30	0.36	ACG(T)	10	0.14	AAG(K)	10	0.23	AGG (*)	0	0
GUU(V)	52	1.17	GCU(A)	76	0.95	GAU(D)	32	0.86	GGU(G)	32	0.58
GUC(V)	42	0.94	GCC(A)	132	1.66	GAC(D)	42	1.14	GGC(G)	66	1.19
GUA(V)	64	1.44	GCA(A)	104	1.3	GAA(E)	71	1.54	GGA(G)	76	1.38
GUG(V)	20	0.45	GCG(A)	7	0.09	GAG(E)	21	0.46	GGG(G)	47	0.85

Table S2 (E). The codon number and relative synonymous codon usage in mitochondrial protein-coding genes of *Hyla zhaopingensis*.

Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU	Codon	Count	RSCU
UUU(F)	183	1.4	UCU(S)	93	1.85	UAU(Y)	73	1.23	UGU(C)	13	0.84
UUC(F)	79	0.6	UCC(S)	57	1.13	UAC(Y)	46	0.77	UGC(C)	18	1.16
UUA(L)	204	2.04	UCA(S)	95	1.89	UAA (*)	5	2.22	UGA(W)	102	1.82
UUG(L)	28	0.28	UCG(S)	7	0.14	UAG (*)	1	0.44	UGG(W)	10	0.18
CUU(L)	142	1.42	CCU(P)	72	1.48	CAU(H)	38	0.84	CGU(R)	14	0.81
CUC(L)	67	0.67	CCC(P)	39	0.8	CAC(H)	52	1.16	CGC(R)	8	0.46
CUA(L)	141	1.41	CCA(P)	78	1.6	CAA(Q)	79	1.74	CGA(R)	42	2.43
CUG(L)	19	0.19	CCG(P)	6	0.12	CAG(Q)	12	0.26	CGG(R)	5	0.29
AUU(I)	255	1.53	ACU(T)	95	1.37	AAU(N)	68	1.01	AGU(S)	25	0.5
AUC(I)	79	0.47	ACC(T)	79	1.14	AAC(N)	67	0.99	AGC(S)	25	0.5
AUA(M)	127	1.57	ACA(T)	94	1.35	AAA(K)	79	1.82	AGA (*)	3	1.33
AUG(M)	35	0.43	ACG(T)	10	0.14	AAG(K)	8	0.18	AGG (*)	0	0
GUU(V)	70	1.48	GCU(A)	101	1.29	GAU(D)	36	0.99	GGU(G)	43	0.76
GUC(V)	44	0.93	GCC(A)	109	1.4	GAC(D)	37	1.01	GGC(G)	58	1.03
GUA(V)	63	1.33	GCA(A)	95	1.22	GAA(E)	76	1.67	GGA(G)	80	1.42
GUG(V)	12	0.25	GCG(A)	7	0.09	GAG(E)	15	0.33	GGG(G)	44	0.78