

Supplementary Table S5 RSCU Codon values and high frequency used codons in the *HSP70* gene family genome of *P. ternata*. In the event of the RSCU of a codon being greater than 1, it is given priority, and the greater the value, the higher the level of usage.

Amino acid	Codon	Number	RSCU	Amino acid	Codon	Number	RSCU
Phe	UUU	188	0.79	Tyr	UAU	103	0.70
	UUC	287	1.21		UAC	179	1.30
Leu	UUA	56	0.30	TER	UAA	8	1.14
	UUG	201	1.09		UAG	3	0.43
	CUU	192	1.04	His	CAU	64	0.80
	CUC	243	1.39		CAC	93	1.20
	CUA	57	0.31	Gln	CAA	118	0.44
	CUG	327	1.88		CAG	391	1.56
Ile	AUU	285	1.01	Asn	AAU	215	0.69
	AUC	459	1.59		AAC	397	1.31
	AUA	107	0.41	Lys	AAA	221	0.43
Met	AUG	301	1.00		AAG	848	1.57
	Val	GUU	296	1.11	Asp	GAU	438
GUC		316	1.27	GAC		480	1.03
GUA		76	0.30	Glu	GAA	334	0.55
GUG		339	1.32		GAG	795	1.45
Ser	UCU	177	1.14	Cys	UGU	56	0.65
	UCC	215	1.56		UGC	102	1.35
	UCA	141	0.86	TER	UGA	10	1.43
	UCG	89	0.66	Trp	UGG	59	1.00
Pro	CCU	174	1.13	Arg	CGU	77	0.67
	CCC	192	1.32		CGC	66	0.54
	CCA	147	0.91		CGA	40	0.33
	CCG	96	0.64		CGG	111	0.92
Thr	ACU	164	0.85	Ser	AGU	102	0.68
	ACC	314	1.51		AGC	156	1.09
	ACA	171	0.81	Arg	AGA	119	1.04
	ACG	161	0.83		AGG	297	2.50
Ala	GCU	326	1.01	Gly	GGU	326	1.20
	GCC	452	1.44		GGC	332	1.19
	GCA	294	0.91		GGA	204	0.77
	GCG	206	0.64		GGG	220	0.84