

Supplementary Table S6 Comparative RSCU analysis of genes with high and low expression in the *HSP70* gene family genome of *P. ternata*.

Amino acid	Codon	Low expressed gene		High expressed gene		Δ RSCU
		Number	RSCU	Number	RSCU	
Phe	UUU	4	0.38	9	0.82	0.44
	UUC	17	1.62	13	1.18	-0.44
Leu	UUA	0	0	2	0.2	0.2
	UUG	3	0.4	17	1.7	1.3
	CUU	2	0.27	18	1.8	1.53
	CUC	16	2.13	11	1.1	-1.03
	CUA	0	0	0	0	0
	CUG	24	3.2	12	1.2	-2
	AUU	3	0.2	10	0.97	0.77
Ile	AUC	42	2.74	13	1.26	-1.48
	AUA	1	0.07	8	0.77	0.7
	AUG	17	1	9	1	0
Met	AUG	17	1	9	1	0
Val	GUU	3	0.29	22	1.35	1.06
	GUC	19	1.81	8	0.49	-1.32
	GUA	0	0	5	0.31	0.31
	GUG	20	1.9	30	1.85	-0.05
Ser	UCU	2	0.35	9	1.13	0.78
	UCC	17	3	11	1.38	-1.62
	UCA	1	0.18	12	1.5	1.32
	UCG	4	0.71	7	0.88	0.17
Pro	CCU	3	0.43	9	1.13	0.7
	CCC	18	2.57	6	0.75	-1.82
	CCA	3	0.43	9	1.13	0.7
	CCG	4	0.57	8	1	0.43
Thr	ACU	1	0.11	15	1.33	1.22
	ACC	31	3.26	8	0.71	-2.55
	ACA	0	0	11	0.98	0.98
	ACG	6	0.63	11	0.98	0.35
Ala	GCU	3	0.21	22	1.21	1
	GCC	37	2.6	20	1.1	-1.5
	GCA	1	0.07	20	1.1	1.03
	GCG	16	1.12	11	0.6	-0.52
Tyr	UAU	2	0.27	2	0.57	0.3
	UAC	13	1.73	5	1.43	-0.3
TER	UAA	1	3	0	0	-3
	UAG	0	0	0	0	0
His	CAU	0	0	2	1.33	1.33
	CAC	6	2	1	0.67	-1.33
Gln	CAA	0	0	5	0.37	0.37
	CAG	23	2	22	1.63	-0.37
Asn	AAU	1	0.06	13	1	0.94
	AAC	32	1.94	13	1	-0.94
Lys	AAA	6	0.22	13	0.48	0.26
	AAG	49	1.78	41	1.52	-0.26
Asp	GAU	5	0.21	32	1.25	1.04
	GAC	43	1.79	19	0.75	-1.04
Glu	GAA	2	0.08	17	0.72	0.64
	GAG	48	1.92	30	1.28	-0.64
Cys	UGU	0	0	1	0.5	0.5
	UGC	7	2	3	1.5	-0.5
TER	UGA	0	0	1	3	3

Trp	UGG	3	1	2	1	0
Arg	CGU	1	0.21	4	0.71	0.5
	CGC	3	0.62	3	0.53	-0.09
	CGA	0	0	2	0.35	0.35
	CGG	5	1.03	8	1.41	0.38
Ser	AGU	0	0	5	0.63	0.63
	AGC	10	1.76	4	0.5	-1.26
Arg	AGA	1	0.21	7	1.24	1.03
	AGG	19	3.93	10	1.76	-2.17
Gly	GGU	4	0.3	21	1.35	1.05
	GGC	36	2.67	14	0.9	-1.77
	GGA	4	0.3	13	0.84	0.54
	<u>GGG</u>	10	0.74	14	0.9	0.16
