

Supplementary Table S2 Physicochemical properties of *HSP70* genes in *P. ternata*.

Number	Gene name	Number of amino acids	Molecular weight (kDa)	pI	Aliphatic index	Grand average of hydrophaticity	Instability index	Subcellular location
<i>PtHSP70-1</i>	PtGene02869.t1	841	92768.19	5.33	79.8	-0.413	43.77	Mitochondrion
<i>PtHSP70-2</i>	PtGene02870.t1	678	72610.32	6.11	88.38	-0.261	37.84	Mitochondrion
<i>PtHSP70-3</i>	PtGene07325.t1	574	61902.18	5.26	98.71	0.068	43.74	Plasma membrane
<i>PtHSP70-4</i>	PtGene07328.t1	667	73611.4	5.11	85.82	-0.475	28.41	Endoplasmic reticulum
<i>PtHSP70-5</i>	PtGene12551.t1	676	72390.21	5.86	88.91	-0.268	34.99	Mitochondrion
<i>PtHSP70-6</i>	PtGene15306.t1	645	72277.49	5.13	68.68	-0.83	48.28	Nucleus
<i>PtHSP70-7</i>	PtGene18760.t1	648	71130.6	5.12	82.81	-0.422	32.26	Endoplasmic reticulum
<i>PtHSP70-8</i>	PtGene25484.t1	702	74675.53	5.36	87.81	-0.282	32.41	Mitochondrion
<i>PtHSP70-9</i>	PtGene27741.t1	648	71015.57	5.16	81.6	-0.419	33.62	Endoplasmic reticulum
<i>PtHSP70-10</i>	PtGene27750.t1	332	36076.51	7.76	94.4	0	34.93	Chloroplast
<i>PtHSP70-11</i>	PtGene29262.t1	684	73242.19	6.37	85.91	-0.281	38.77	Mitochondrion
<i>PtHSP70-12</i>	PtGene29400.t1	777	86675.19	5.63	84.22	0.397	48.46	Mitochondrion
<i>PtHSP70-13</i>	PtGene32774.t1	649	71062.41	5.08	82.06	-0.43	33.11	Endoplasmic reticulum
<i>PtHSP70-14</i>	PtGene37360.t1	665	73369.11	5.07	86.66	-0.451	28.11	Endoplasmic reticulum
<i>PtHSP70-15</i>	PtGene48498.t1	661	72628.74	7.18	82.97	-0.381	35.24	Endoplasmic reticulum
<i>PtHSP70-16</i>	PtGene48499.t1	595	65597.03	7.95	84.62	-0.363	35.76	Endoplasmic reticulum
<i>PtHSP70-17</i>	PtGene48500.t2	726	80004.89	5.59	82.36	-0.397	39.1	Chloroplast
<i>PtHSP70-18</i>	PtGene48500.t1	841	93295.06	5.41	78.17	-0.46	48.15	Mitochondrion
<i>PtHSP70-19</i>	PtGene61650.t1	684	72568.97	5.16	87.38	-0.27	28.91	Mitochondrion
<i>PtHSP70-20</i>	PtGene70982.t1	648	70915.28	5.06	82.35	-0.423	33.43	Endoplasmic reticulum
<i>PtHSP70-21</i>	PtGene71625.t1	651	71276.86	5.29	81.98	-0.43	34.6	Endoplasmic reticulum