

Fig S1: PCR amplification of the candidate reference genes; M-100 bp ladder, 1. Act2, 2. Act3, 3. Act7, 4. EF1-A, 5. GAPDH, 6. H2A, 7. TUB-A, 8. TUB-B, 9. 18SrRNA, 10. hyp1

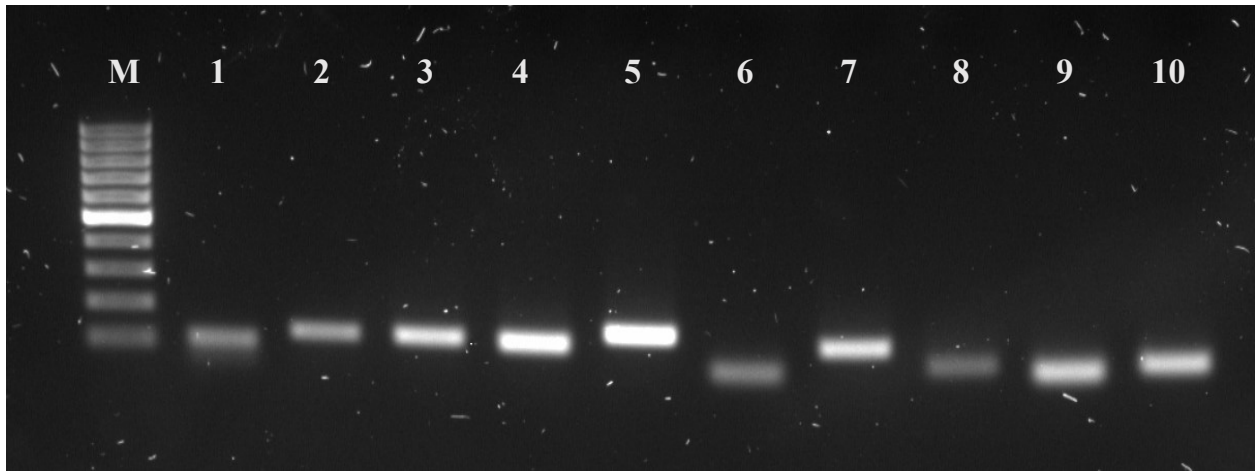


Fig S2 melting curve analysis of 9 reference genes; Fig S2: Agarose Gel Electrophoresis of PCR amplification of 9 reference genes; 1. Act2, 2. Act3, 3. Act7, 4. EF1-A, 5. GAPDH, 6. H2A, 7. TUB-A, 8. TUB-B, 9. 18SrRNA, 10. hyp1

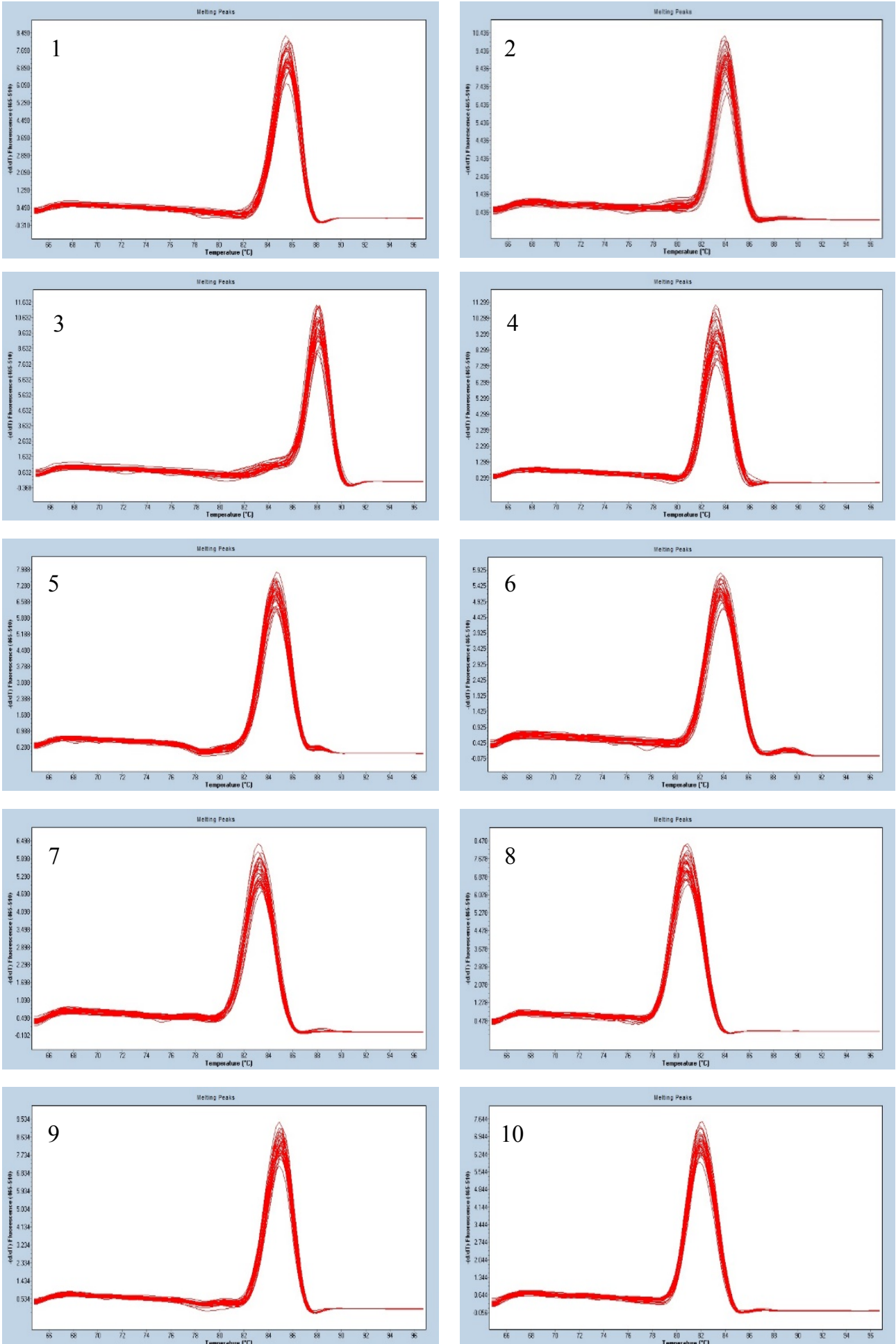


Table S1: RNA quality and integrity.

Sample Name	Species	Tissue	RIN	Conc. (ng/ μ L)	A260/A280	A260/A230
C 0.5-A	<i>Hypericum perforatum</i>	Suspension Cells	8.0	1721	2.09	2.07
C 0.5-B	<i>H. perforatum</i>	Suspension Cells	8.1	1568	2.13	2.21
C 0.5-C	<i>H. perforatum</i>	Suspension Cells	8.3	981	2.12	2.21
C 4-A	<i>H. perforatum</i>	Suspension Cells	8.4	916	2.10	2.19
C 4-B	<i>H. perforatum</i>	Suspension Cells	8.3	1561	2.12	2.19
C 4-C	<i>H. perforatum</i>	Suspension Cells	8.6	1357	2.10	2.18
C 12-A	<i>H. perforatum</i>	Suspension Cells	8.4	713	2.09	2.14
C 12-B	<i>H. perforatum</i>	Suspension Cells	8.2	800	2.09	2.14
C 12-C	<i>H. perforatum</i>	Suspension Cells	8.4	902	2.11	2.19
G 0.5-A	<i>H. perforatum</i>	Suspension Cells	8.3	1420	2.11	2.20
G 0.5-B	<i>H. perforatum</i>	Suspension Cells	8.2	1860	2.12	2.15
G 0.5-C	<i>H. perforatum</i>	Suspension Cells	8.3	1834	2.12	2.18
G 4-A	<i>H. perforatum</i>	Suspension Cells	8.5	1019	2.11	2.19
G 4-B	<i>H. perforatum</i>	Suspension Cells	8.4	690	2.08	2.16
G 4-C	<i>H. perforatum</i>	Suspension Cells	8.4	731	2.09	2.17
G 12-A	<i>H. perforatum</i>	Suspension Cells	8.5	915	2.10	2.17
G 12-B	<i>H. perforatum</i>	Suspension Cells	8.6	920	2.10	2.21
G 12-C	<i>H. perforatum</i>	Suspension Cells	8.6	698	2.10	2.21
S 0.5-A	<i>H. perforatum</i>	Suspension Cells	7.9	1950	2.13	2.20
S 0.5-B	<i>H. perforatum</i>	Suspension Cells	7.8	340	2.14	2.22
S 0.5-C	<i>H. perforatum</i>	Suspension Cells	8.2	1503	2.11	2.22
S 4-A	<i>H. perforatum</i>	Suspension Cells	8.4	1387	2.15	2.25
S 4-B	<i>H. perforatum</i>	Suspension Cells	7.9	1101	2.12	2.25
S 4-C	<i>H. perforatum</i>	Suspension Cells	7.9	678	2.11	2.24
S 12-A	<i>H. perforatum</i>	Suspension Cells	7.7	561	2.18	2.27
S 12-B	<i>H. perforatum</i>	Suspension Cells	7.7	399	2.14	2.26
S 12-C	<i>H. perforatum</i>	Suspension Cells	7.6	228	2.12	2.15

Table S3: Ranking based on NormFinder analysis

	Rank	1	2	3	4	5	6	7	8	9
Gold 0.5 h	Gene	<i>EF1-α</i>	<i>TUB-α</i>	<i>ACT7</i>	<i>TUB-β</i>	<i>ACT3</i>	<i>H2A</i>	<i>GAPDH</i>	<i>18S rRNA</i>	<i>ACT2</i>
	Stability	0.033	0.047	0.055	0.056	0.06	0.104	0.131	0.143	0.153
Silver 0.5 h	Gene	<i>ACT7</i>	<i>TUB-α</i>	<i>EF1-α</i>	<i>ACT3</i>	<i>H2A</i>	<i>TUB-β</i>	<i>ACT2</i>	<i>GAPDH</i>	<i>18S rRNA</i>
	Stability	0.05	0.068	0.085	0.087	0.089	0.096	0.118	0.143	0.176
Gold 4 h	Gene	<i>ACT2</i>	<i>EF1-α</i>	<i>18S rRNA</i>	<i>ACT7</i>	<i>TUB-β</i>	<i>H2A</i>	<i>GAPDH</i>	<i>TUB-α</i>	<i>ACT3</i>
	Stability	0.077	0.096	0.109	0.12	0.129	0.141	0.141	0.184	0.189
Silver 4 h	Gene	<i>GAPDH</i>	<i>TUB-α</i>	<i>EF1-α</i>	<i>ACT2</i>	<i>H2A</i>	<i>ACT3</i>	<i>ACT7</i>	<i>TUB-β</i>	<i>18S rRNA</i>
	Stability	0.059	0.101	0.113	0.164	0.176	0.229	0.389	0.784	1.029
Gold 12 h	Gene	<i>H2A</i>	<i>GAPDH</i>	<i>EF1-α</i>	<i>ACT3</i>	<i>ACT7</i>	<i>ACT2</i>	<i>18S rRNA</i>	<i>TUB-β</i>	<i>TUB-α</i>
	Stability	0.14	0.154	0.179	0.223	0.239	0.292	0.389	0.431	0.547
Silver 12 h	Gene	<i>TUB-α</i>	<i>EF1-α</i>	<i>GAPDH</i>	<i>ACT2</i>	<i>ACT7</i>	<i>ACT3</i>	<i>H2A</i>	<i>TUB-β</i>	<i>18S rRNA</i>
	Stability	0.08	0.15	0.156	0.179	0.213	0.219	0.324	0.764	1.579

Table S4: Ranking based on Bestkeeper analysis

	Rank	1	2	3	4	5	6	7	8	9
Gold 0.5 h	Gene	<i>EF1-α</i>	<i>ACT7</i>	<i>TUB-α</i>	<i>GAPDH</i>	<i>ACT3</i>	<i>TUB-β</i>	<i>H2A</i>	<i>ACT2</i>	<i>18S-rRNA</i>
	SD	0.093403	0.098941	0.1	0.104375	0.120139	0.131806	0.14375	0.223958	0.22625
	CV	0.502785	0.37139	0.41822	0.511998	0.413192	0.519345	0.593753	0.820185	1.496527
Silver 0.5 h	Gene	<i>ACT7</i>	<i>TUB-α</i>	<i>H2A</i>	<i>GAPDH</i>	<i>ACT3</i>	<i>EF1-α</i>	<i>TUB-β</i>	<i>ACT2</i>	<i>18S-rRNA</i>
	SD	0.098333	0.113333	0.1375	0.142083	0.144514	0.151944	0.159653	0.193125	0.272535
	CV	0.369142	0.474529	0.567088	0.696587	0.497473	0.820065	0.630053	0.705963	1.79708
Gold 4 h	Gene	<i>GAPDH</i>	<i>H2A</i>	<i>EF1-α</i>	<i>ACT2</i>	<i>ACT7</i>	<i>TUB-β</i>	<i>18S-rRNA</i>	<i>ACT3</i>	<i>TUB-α</i>
	SD	0.082569	0.10375	0.114583	0.14	0.182188	0.20191	0.264896	0.28375	0.28625
	CV	0.415383	0.434555	0.618297	0.53568	0.692629	0.844178	1.724442	1.005033	1.24416
Silver 4 h	Gene	<i>18S-rRNA</i>	<i>ACT3</i>	<i>EF1-α</i>	<i>TUB-α</i>	<i>GAPDH</i>	<i>ACT2</i>	<i>H2A</i>	<i>ACT7</i>	<i>TUB-β</i>
	SD	0.287569	0.531667	0.605	0.642917	0.662083	0.795417	0.829583	0.957917	1.451667
	CV	1.926011	1.866752	3.17377	2.750887	3.228953	2.966543	3.362097	3.524398	5.767257
Gold 12 h	Gene	<i>ACT2</i>	<i>EF1-α</i>	<i>H2A</i>	<i>GAPDH</i>	<i>18S-rRNA</i>	<i>ACT7</i>	<i>TUB-β</i>	<i>ACT3</i>	<i>TUB-α</i>
	SD	0.264132	0.298472	0.303229	0.307604	0.315833	0.325	0.375614	0.432222	0.707083
	CV	1.015225	1.684935	1.294261	1.570377	1.930522	1.260178	1.629871	1.590027	3.205576
Silver 12 h	Gene	<i>18S-rRNA</i>	<i>TUB-α</i>	<i>EF1-α</i>	<i>ACT2</i>	<i>ACT3</i>	<i>ACT7</i>	<i>GAPDH</i>	<i>H2A</i>	<i>TUB-β</i>
	SD	0.286319	1.2075	1.300833	1.310833	1.315	1.355833	1.35625	1.507083	1.940833
	CV	1.763684	5.352789	6.872716	4.794708	4.630418	5.003537	6.566074	6.110107	7.785652