

Table S5. Identification of basic physicochemical properties of genes in phenylpropanoid biosynthesis pathway

Gene id	Chromosome: location/bp	Number of amino acids	Molecular weight/ku	Isoelectric point	Instability index	Aliphatic index	Grand average of hydropathicity
MsG08 8004588 1.01	8:65938326 -65940246	246	27715.98	5.5	40.37	101.91	-0.123
MsG01 8000003 0.01	1:508395- 511538	278	30529.17	5.8	36.4	95.72	-0.017
MsG04 8002151 8.01	4:58992075 -58993350	320	34379.02	8.34	32.22	85.41	-0.011
MsG07 8003849 1.01	7:47642511 -47645114	373	42130.05	5.7	35.98	93.75	-0.233
MsG03 8001334 8.01	3:35640148 -35640669	173	19664.47	5.01	35.68	103.06	-0.094
MsG03 8001674 5.01	3:87338418 -87343610	97	10228.32	7.82	11.77	66.39	-0.642
MsG03 8001493 4.01	3:62730558 -62732167	256	26843.84	5.34	23.66	73.55	-0.17
MsG01 8000360 1.01	1:65026421 -65033431	100	11449.28	8.75	41	104.3	0.247
MsG05 8002523 4.01	5:15672068 -15675816	519	58649.14	6.01	40.13	93.04	-0.105
MsG06 8003246 1.01	6:41833043 -41838048	352	38505.79	8.36	32.58	83.64	-0.16
MsG02 8000768 6.01	2:19198463 -19201765	319	35309.67	9.07	33.65	93.82	-0.083
MsG04 8002152 4.01	4:59036368 -59047267	364	40658.68	8.1	30.87	73.46	-0.484

MsG03 8001148 9.01	3:201178- 209562	308	33884.88	8.12	30.35	94.03	-0.069
MsG08 8004634 5.01	8:72258351 -72259115	254	28248.3	7.08	44.68	73.7	-0.228
MsG05 8003018 1.01	5:10791233 7- 107914508	536	58955.57	5.91	37.3	96.62	-0.081
MsG04 8001867 1.01	4:8451791- 8458805	306	34645.55	5.91	34.57	80.88	-0.195
MsG01 8000598 4.01	1:98481320 -98486933	417	47492.88	7.06	39.34	92.28	-0.224
