

Table S1. All reproductive genes.

Gene	P in I	P in II	P in III	Specific
Atlg01030	+			
Atlg01040	+	+	+	
Atlg01050	+	+	+	
Atlg01060	+	+	+	
Atlg01070	+	+		
Atlg01080	+	+	+	
Atlg01090	+	+	+	
Atlg01100	+	+	+	
Atlg01110	+			+
Atlg01120	+	+	+	
Atlg01130			+	+
Atlg01140	+	+	+	
Atlg01160	+	+	+	
Atlg01170	+	+	+	
Atlg01220	+	+	+	
Atlg01225	+	+	+	
Atlg01230	+	+	+	
Atlg01240	+	+	+	
Atlg01250		+	+	+
Atlg01260	+	+	+	
Atlg01280	+			+
Atlg01290	+	+	+	
Atlg01300	+	+	+	
Atlg01310	+	+		+
Atlg01320	+	+	+	
Atlg01330	+	+	+	
Atlg01360	+	+	+	
Atlg01370	+	+	+	
Atlg01430	+	+	+	
Atlg01440	+	+	+	
Atlg01460		+		+
Atlg01470	+	+	+	
Atlg01480			+	+
Atlg01490	+	+	+	
Atlg01500	+	+	+	
Atlg01510	+	+	+	
Atlg01520	+			+
Atlg01540	+	+	+	
Atlg01550	+	+	+	
Atlg01560	+	+	+	
Atlg01570	+	+		
Atlg01600	+	+	+	+
Atlg01610	+	+	+	
Atlg01620	+	+	+	
Atlg01630	+	+	+	
Atlg01640	+	+	+	
Atlg01650	+	+	+	
Atlg01670	+	+		

Atlg01710	+	+	+	
Atlg01720	+	+	+	
Atlg01725	+	+	+	
Atlg01730	+	+	+	
Atlg01740	+	+	+	
Atlg01750	+	+		
Atlg01770	+	+	+	
Atlg01780	+	+	+	
Atlg01790	+	+	+	
Atlg01800	+	+	+	
Atlg01820	+	+	+	
Atlg01830	+	+	+	
Atlg01840	+		+	
Atlg01860	+	+	+	
Atlg01900	+	+	+	
Atlg01910	+	+	+	
Atlg01920	+	+	+	
Atlg01930	+	+	+	
Atlg01940	+	+	+	
Atlg01950	+	+	+	
Atlg01960	+	+	+	
Atlg01970	+	+	+	
Atlg01980		+	+	+
Atlg01990	+	+	+	
Atlg02000	+	+	+	
Atlg02020	+	+	+	
Atlg02050	+			
Atlg02060	+			
Atlg02070	+	+	+	+
Atlg02080	+	+	+	
Atlg02090	+	+	+	
Atlg02100	+	+	+	
Atlg02110	+	+	+	
Atlg02120	+	+	+	
Atlg02130	+	+	+	
Atlg02140	+	+	+	
Atlg02150	+	+	+	
Atlg02160	+	+	+	
Atlg02170	+	+	+	
Atlg02180	+	+	+	
Atlg02190	+	+	+	+
Atlg02200	+	+	+	
Atlg02205	+	+	+	
Atlg02220		+	+	
Atlg02260	+	+	+	
Atlg02270	+	+	+	
Atlg02280	+	+	+	
Atlg02300	+	+	+	
Atlg02305	+	+	+	
Atlg02310		+	+	
Atlg02330	+	+	+	
Atlg02340	+	+	+	

Atlg02370	+	+	+	
Atlg02390	+	+	+	
Atlg02400	+	+		
Atlg02410	+	+	+	
Atlg02450	+	+	+	
Atlg02470	+	+		+
Atlg02475	+	+	+	
Atlg02500	+	+	+	
Atlg02530	+	+	+	
Atlg02560	+	+	+	
Atlg02640	+	+	+	
Atlg02660	+	+	+	
Atlg02670	+			+
Atlg02680	+	+	+	
Atlg02690	+	+	+	
Atlg02730	+	+	+	
Atlg02750	+	+	+	
Atlg02780	+	+	+	
Atlg02790	+	+	+	+
Atlg02800	+	+		+
Atlg02810	+	+	+	
Atlg02813	+			
Atlg02816	+	+	+	
Atlg02820	+	+		
Atlg02840	+	+	+	
Atlg02850	+	+	+	
Atlg02860	+	+	+	
Atlg02870	+	+	+	
Atlg02890	+	+	+	
Atlg02900	+		+	
Atlg02910	+	+	+	
Atlg02930	+	+	+	
Atlg02940			+	
Atlg02950	+	+	+	
Atlg02960	+	+	+	
Atlg02970	+	+	+	
Atlg02980			+	+
Atlg03000	+	+	+	
Atlg03010			+	
Atlg03020		+		
Atlg03030	+	+	+	
Atlg03040	+	+	+	
Atlg03050	+	+		+
Atlg03055	+		+	
Atlg03060	+	+	+	
Atlg03070	+	+	+	
Atlg03080	+	+	+	
Atlg03090	+	+	+	
Atlg03100		+	+	
Atlg03110	+	+	+	
Atlg03130	+	+	+	
Atlg03140	+	+	+	

Atlg03150	+	+	+	
Atlg03160	+	+	+	
Atlg03170	+	+	+	+
Atlg03180		+	+	
Atlg03190	+	+	+	
Atlg03210	+	+	+	
Atlg03220	+	+	+	
Atlg03240	+	+	+	
Atlg03250	+	+	+	
Atlg03260	+	+	+	
Atlg03270	+	+	+	
Atlg03280	+	+	+	
Atlg03290	+	+	+	
Atlg03300	+	+	+	
Atlg03310	+	+	+	
Atlg03330	+	+	+	
Atlg03350	+	+	+	
Atlg03360	+	+	+	
Atlg03370	+	+	+	
Atlg03380	+	+	+	
Atlg03390	+			+
Atlg03400	+	+	+	
Atlg03420	+	+	+	
Atlg03430	+	+	+	
Atlg03440	+	+	+	
Atlg03457	+	+	+	
Atlg03470	+			
Atlg03475	+	+	+	
Atlg03510			+	
Atlg03520	+	+	+	
Atlg03530	+	+	+	
Atlg03550	+	+	+	
Atlg03560	+	+	+	
Atlg03590	+	+	+	
Atlg03600	+	+	+	
Atlg03610	+	+	+	
Atlg03620	+	+		
Atlg03630	+	+	+	
Atlg03660		+		
Atlg03675	+	+	+	
Atlg03687	+	+	+	
Atlg03710	+	+	+	+
Atlg03730	+	+	+	
Atlg03740	+	+	+	
Atlg03750	+	+	+	
Atlg03760	+	+	+	
Atlg03770	+	+	+	
Atlg03780	+	+	+	
Atlg03820	+	+	+	
Atlg03830	+			+
Atlg03850	+	+	+	
Atlg03860	+	+	+	

Atlg03870	+	+	+	
Atlg03900	+	+	+	
Atlg03910	+	+	+	
Atlg03920	+	+	+	
Atlg03930	+	+	+	
Atlg03940		+		+
Atlg03950	+	+	+	
Atlg03960	+	+	+	
Atlg03970	+	+	+	
Atlg03980			+	
Atlg04000	+	+	+	
Atlg04010	+		+	
Atlg04020	+	+	+	
Atlg04030	+	+	+	
Atlg04040	+		+	
Atlg04050	+	+	+	
Atlg04070	+	+	+	
Atlg04080	+	+	+	
Atlg04090	+			+
Atlg04100	+			
Atlg04110	+	+	+	
Atlg04120	+	+	+	
Atlg04130	+	+	+	
Atlg04140	+	+	+	
Atlg04150	+	+	+	
Atlg04160	+	+	+	
Atlg04170	+	+	+	
Atlg04190	+	+	+	
Atlg04200	+	+	+	
Atlg04220	+	+	+	
Atlg04230	+	+	+	
Atlg04240	+	+	+	
Atlg04250	+	+	+	
Atlg04260	+	+	+	
Atlg04270	+	+	+	
Atlg04290	+	+	+	
Atlg04300	+	+	+	
Atlg04310	+	+	+	
Atlg04340	+	+	+	
Atlg04350	+	+	+	
Atlg04400	+	+	+	
Atlg04410	+	+	+	
Atlg04420	+	+	+	
Atlg04430	+	+	+	
Atlg04440	+	+	+	
Atlg04470	+	+	+	+
Atlg04480	+	+	+	
Atlg04500	+			+
Atlg04510	+	+	+	
Atlg04520	+	+	+	
Atlg04530	+	+	+	
Atlg04540	+	+	+	+

Atlg04550	+	+	+	
Atlg04580	+			+
Atlg04590	+	+	+	
Atlg04600	+	+		
Atlg04610		+		
Atlg04620	+	+	+	
Atlg04640	+	+	+	
Atlg04645	+	+	+	+
Atlg04650	+			
Atlg04660	+	+		+
Atlg04670	+			+
Atlg04680	+	+	+	
Atlg04690	+	+	+	
Atlg04700	+	+	+	
Atlg04710	+	+	+	
Atlg04730	+	+	+	
Atlg04750	+	+	+	
Atlg04760	+	+	+	
Atlg04770	+	+	+	
Atlg04780	+	+	+	
Atlg04790	+	+	+	
Atlg04800	+	+	+	
Atlg04810	+	+	+	
Atlg04820	+	+	+	
Atlg04830	+	+	+	
Atlg04850	+	+	+	
Atlg04860	+	+	+	
Atlg04870	+	+	+	
Atlg04880	+	+		+
Atlg04900	+	+	+	
Atlg04910	+	+	+	
Atlg04920	+			+
Atlg04930	+	+		
Atlg04940	+	+	+	+
Atlg04950	+	+	+	
Atlg04960	+	+	+	
Atlg04970	+	+	+	
Atlg04980	+	+	+	
Atlg04985	+	+	+	
Atlg04990	+	+	+	
Atlg05000	+	+		
Atlg05010	+	+	+	
Atlg05020	+			
Atlg05030	+	+	+	
Atlg05040	+			+
Atlg05050	+	+	+	
Atlg05060	+	+	+	
Atlg05070	+	+	+	
Atlg05100		+		+
Atlg05120	+	+	+	
Atlg05140	+	+	+	
Atlg05150	+	+	+	

Atlg05160	+	+	+	
Atlg05170	+	+	+	
Atlg05180	+	+	+	
Atlg05190	+	+	+	
Atlg05200	+		+	
Atlg05205	+	+	+	
Atlg05210	+	+	+	
Atlg05230	+	+	+	
Atlg05260	+		+	
Atlg05270	+	+	+	
Atlg05290	+			+
Atlg05320	+	+	+	
Atlg05340		+	+	
Atlg05350	+	+	+	
Atlg05360	+	+	+	
Atlg05380	+	+	+	
Atlg05385	+	+	+	
Atlg05410	+	+	+	
Atlg05430	+	+	+	
Atlg05440	+	+	+	
Atlg05450	+	+		
Atlg05460	+		+	
Atlg05470	+	+	+	
Atlg05480	+	+	+	+
Atlg05490	+	+	+	+
Atlg05500	+	+	+	
Atlg05520	+	+	+	
Atlg05540	+	+	+	
Atlg05550			+	
Atlg05560	+	+	+	
Atlg05570	+	+	+	
Atlg05590	+	+	+	
Atlg05600	+	+	+	
Atlg05610	+		+	
Atlg05620	+	+	+	
Atlg05630	+	+	+	
Atlg05670	+	+	+	+
Atlg05680	+	+	+	+
Atlg05690	+			
Atlg05710	+	+	+	
Atlg05720	+	+	+	
Atlg05760	+	+	+	
Atlg05790	+	+	+	
Atlg05805	+	+	+	
Atlg05810	+	+	+	
Atlg05840	+	+	+	
Atlg05850	+	+	+	
Atlg05860	+	+	+	
Atlg05890	+	+	+	
Atlg05900		+	+	
Atlg05910	+	+	+	
Atlg05940	+	+	+	

Atlg05950	+			+
Atlg05960	+	+	+	
Atlg06000	+	+	+	
Atlg06010	+	+	+	
Atlg06040	+	+	+	
Atlg06050	+	+	+	
Atlg06060	+	+	+	
Atlg06070	+	+	+	
Atlg06080	+	+	+	
Atlg06100	+	+	+	
Atlg06110	+	+	+	
Atlg06130	+	+	+	
Atlg06170	+			+
Atlg06180	+	+		
Atlg06190	+	+	+	
Atlg06200	+	+	+	
Atlg06210	+	+	+	
Atlg06220	+	+	+	
Atlg06230	+	+	+	
Atlg06240	+	+	+	
Atlg06250	+			
Atlg06260	+			+
Atlg06340			+	+
Atlg06350	+	+	+	
Atlg06380	+	+	+	
Atlg06390	+	+	+	
Atlg06400	+	+	+	
Atlg06410	+	+	+	
Atlg06420	+	+	+	+
Atlg06430	+	+	+	
Atlg06450	+	+	+	
Atlg06460	+	+	+	
Atlg06470	+	+	+	
Atlg06490	+	+	+	
Atlg06500	+	+	+	
Atlg06510	+	+	+	
Atlg06520	+	+	+	
Atlg06530	+	+	+	
Atlg06550	+	+	+	
Atlg06560	+	+	+	
Atlg06570	+	+	+	
Atlg06590	+		+	
Atlg06630	+	+	+	
Atlg06640	+	+	+	
Atlg06650	+	+	+	
Atlg06670	+	+	+	
Atlg06680	+	+	+	
Atlg06690	+	+	+	
Atlg06700	+	+	+	
Atlg06710	+	+	+	
Atlg06720	+	+	+	
Atlg06730	+	+	+	

Atlg06740	+			
Atlg06760	+	+	+	
Atlg06770	+	+	+	
Atlg06780	+	+	+	
Atlg06790	+	+	+	
Atlg06820	+	+	+	
Atlg06830	+	+		
Atlg06840	+	+		
Atlg06850	+	+	+	
Atlg06870	+	+	+	
Atlg06890	+	+	+	
Atlg06900	+	+	+	
Atlg06930	+	+	+	
Atlg06950	+	+	+	
Atlg06960	+	+	+	
Atlg06990	+			+
Atlg07000		+		
Atlg07010	+	+	+	
Atlg07020	+	+	+	
Atlg07030	+	+	+	
Atlg07040	+	+	+	
Atlg07070	+	+	+	
Atlg07080	+	+	+	
Atlg07090	+	+	+	
Atlg07110	+	+	+	
Atlg07130	+	+		
Atlg07140	+	+	+	
Atlg07170	+	+	+	
Atlg07180	+	+	+	
Atlg07210	+	+	+	
Atlg07220	+	+	+	
Atlg07230	+	+	+	
Atlg07240	+	+		
Atlg07250	+	+	+	
Atlg07270	+	+	+	
Atlg07280	+	+	+	
Atlg07300	+	+		
Atlg07310	+	+	+	
Atlg07320	+	+	+	
Atlg07330	+			+
Atlg07340	+	+		
Atlg07350	+	+	+	
Atlg07360	+	+	+	
Atlg07370	+	+	+	
Atlg07380	+	+		
Atlg07390	+	+	+	
Atlg07410	+	+	+	
Atlg07420	+	+	+	
Atlg07430	+	+	+	
Atlg07440	+	+	+	
Atlg07450	+	+	+	
Atlg07470	+	+	+	

Atlg07490			+	
Atlg07510	+	+	+	
Atlg07520	+		+	
Atlg07530	+	+	+	
Atlg07540	+			+
Atlg07570	+	+	+	
Atlg07590		+		+
Atlg07600	+	+	+	
Atlg07610	+	+	+	
Atlg07620	+	+	+	
Atlg07630	+	+	+	
Atlg07640	+	+	+	
Atlg07650	+	+	+	
Atlg07670	+	+	+	
Atlg07700	+	+	+	
Atlg07705	+	+	+	
Atlg07720	+	+	+	
Atlg07750	+	+	+	
Atlg07770	+	+	+	
Atlg07790	+	+	+	
Atlg07795	+			
Atlg07820	+	+	+	
Atlg07830	+	+	+	
Atlg07840	+	+	+	
Atlg07850	+			+
Atlg07870	+	+	+	
Atlg07890	+	+	+	
Atlg07910	+	+	+	
Atlg07960	+	+	+	
Atlg07970	+	+	+	
Atlg07980	+	+	+	
Atlg07990	+	+	+	
Atlg08000	+	+	+	
Atlg08020	+	+	+	
Atlg08030	+	+	+	
Atlg08040	+	+	+	
Atlg08060	+	+	+	
Atlg08065	+			+
Atlg08110	+	+	+	
Atlg08130	+	+	+	
Atlg08150	+			
Atlg08180	+	+	+	
Atlg08190	+	+	+	
Atlg08210	+	+	+	
Atlg08220	+	+	+	
Atlg08230	+	+	+	
Atlg08250	+	+	+	
Atlg08260	+	+	+	
Atlg08280	+	+	+	
Atlg08320	+	+	+	
Atlg08325	+			
Atlg08340	+	+	+	

Atlg08350	+	+	+
Atlg08360	+	+	+
Atlg08370	+	+	+
Atlg08380	+	+	+
Atlg08390	+		+
Atlg08410	+	+	+
Atlg08420	+	+	+
Atlg08450	+	+	+
Atlg08460	+	+	+
Atlg08470	+	+	+
Atlg08480	+	+	+
Atlg08490	+	+	+
Atlg08510	+	+	+
Atlg08520	+	+	+
Atlg08540	+		+
Atlg08550	+	+	+
Atlg08560	+	+	+
Atlg08570	+	+	+
Atlg08580	+	+	+
Atlg08590	+	+	+
Atlg08600	+	+	+
Atlg08610	+	+	+
Atlg08620	+	+	+
Atlg08630	+	+	+
Atlg08640	+	+	+
Atlg08650	+	+	
Atlg08660	+	+	+
Atlg08680	+		
Atlg08690	+	+	+
Atlg08700	+	+	+
Atlg08710	+	+	+
Atlg08720	+	+	+
Atlg08730	+		
Atlg08750	+	+	+
Atlg08770	+	+	+
Atlg08780	+	+	+
Atlg08800	+	+	+
Atlg08810			+
Atlg08830	+	+	+
Atlg08840	+	+	+
Atlg08880	+	+	+
Atlg08920	+	+	+
Atlg08930	+	+	+
Atlg08940	+	+	+
Atlg08960	+	+	+
Atlg08970	+	+	+
Atlg08980	+	+	
Atlg09010	+	+	+
Atlg09020	+	+	+
Atlg09060	+	+	+
Atlg09070	+	+	+
Atlg09080	+	+	+

Atlg09100	+	+	+	
Atlg09130	+	+	+	
Atlg09140	+	+	+	
Atlg09150	+	+	+	
Atlg09155	+	+		
Atlg09160	+	+	+	
Atlg09170	+			
Atlg09180	+	+	+	
Atlg09200	+	+	+	
Atlg09210	+	+	+	
Atlg09230	+	+	+	
Atlg09240	+	+	+	
Atlg09250	+	+	+	
Atlg09270	+	+	+	
Atlg09280	+	+	+	
Atlg09290	+	+	+	
Atlg09300	+	+	+	
Atlg09310	+	+	+	
Atlg09320	+	+	+	
Atlg09330	+	+	+	
Atlg09340	+	+	+	
Atlg09370		+	+	+
Atlg09380	+		+	
Atlg09390	+	+	+	
Atlg09415	+	+	+	
Atlg09420	+	+	+	
Atlg09430	+	+	+	
Atlg09440	+		+	+
Atlg09450	+	+	+	
Atlg09460	+	+	+	
Atlg09480	+	+	+	
Atlg09500		+	+	
Atlg09510			+	+
Atlg09520	+	+	+	
Atlg09530	+	+	+	
Atlg09540			+	
Atlg09560	+	+	+	
Atlg09570	+	+	+	
Atlg09575	+	+	+	
Atlg09600	+	+	+	
Atlg09610	+			
Atlg09620	+	+	+	
Atlg09630	+	+	+	
Atlg09640	+	+	+	
Atlg09660	+	+	+	
Atlg09660	+	+	+	
Atlg09690	+	+	+	
Atlg09700	+	+	+	
Atlg09720		+		
Atlg09730	+	+	+	
Atlg09750	+	+	+	
Atlg09760	+	+	+	

Atlg09770	+	+	+	
Atlg09780	+	+	+	
Atlg09790	+	+	+	
Atlg09795	+	+	+	
Atlg09800	+	+	+	
Atlg09810	+	+	+	
Atlg09815	+	+	+	
Atlg09820	+	+	+	
Atlg09830	+	+	+	
Atlg09840	+	+	+	
Atlg09850	+	+	+	
Atlg09870	+	+	+	
Atlg09890	+		+	
Atlg09900	+	+	+	
Atlg09910	+	+	+	
Atlg09920	+	+	+	
Atlg09940		+		
Atlg09960	+	+	+	
Atlg09970	+	+	+	
Atlg09980	+	+	+	
Atlg09990	+	+	+	
Atlg10020	+	+	+	
Atlg10030	+	+	+	
Atlg10060	+	+	+	
Atlg10070	+	+	+	
Atlg10080	+	+	+	
Atlg10110	+	+	+	
Atlg10120	+	+	+	
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At5g61340	+	+		
At5g61360	+	+	+	
At5g61370	+		+	
At5g61380	+	+	+	
At5g61410	+	+	+	
At5g61420	+	+	+	
At5g61430	+	+		
At5g61440	+	+	+	
At5g61450	+	+		
At5g61460	+	+	+	

At5g61480	+	+	+	
At5g61500	+	+	+	
At5g61510	+	+	+	
At5g61530	+	+	+	
At5g61540	+	+	+	
At5g61560	+	+	+	
At5g61570	+		+	
At5g61580	+	+	+	
At5g61590	+	+	+	
At5g61600	+	+	+	
At5g61605	+			+
At5g61640	+	+	+	
At5g61660	+	+	+	
At5g61670	+	+	+	
At5g61700	+			
At5g61720	+	+	+	+
At5g61730	+	+	+	
At5g61740	+	+	+	
At5g61760	+	+	+	
At5g61770	+	+	+	
At5g61780	+	+	+	
At5g61790	+	+	+	
At5g61810	+	+	+	
At5g61820	+	+	+	
At5g61830	+	+	+	
At5g61840	+	+	+	
At5g61880	+	+	+	
At5g61900	+	+	+	
At5g61910	+	+	+	
At5g61930	+	+	+	
At5g61940	+			+
At5g61960	+	+	+	
At5g61970	+	+	+	
At5g61980	+	+	+	
At5g61990	+		+	
At5g62000	+	+	+	
At5g62010	+	+	+	
At5g62020	+	+		
At5g62030	+	+	+	
At5g62040			+	
At5g62050	+	+	+	
At5g62070	+	+	+	
At5g62080	+			
At5g62090	+	+		
At5g62100		+		
At5g62130	+	+	+	
At5g62140	+	+	+	
At5g62150	+	+		
At5g62160	+	+		
At5g62165	+	+	+	
At5g62170		+	+	
At5g62190	+	+	+	

At5g62200	+	+	+	
At5g62210	+	+	+	
At5g62220	+	+	+	
At5g62230	+	+	+	
At5g62260	+	+	+	
At5g62280	+			
At5g62290	+	+	+	
At5g62310	+	+		
At5g62350	+	+	+	
At5g62360	+	+	+	
At5g62390	+	+	+	
At5g62410	+	+	+	
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At5g62440	+	+	+	
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At5g62460	+	+	+	
At5g62470	+	+	+	
At5g62500	+	+	+	
At5g62520	+			
At5g62530	+	+	+	
At5g62540	+	+	+	
At5g62550	+	+	+	
At5g62570	+	+	+	
At5g62575	+	+	+	
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At5g62650	+	+	+	
At5g62670	+	+	+	
At5g62680	+	+	+	
At5g62690	+	+	+	
At5g62710	+	+	+	
At5g62720	+	+	+	
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At5g62740	+	+	+	
At5g62750	+	+	+	+
At5g62760	+		+	
At5g62770		+		
At5g62790	+	+	+	
At5g62810	+	+	+	
At5g62840	+	+	+	
At5g62850	+			+
At5g62860	+			
At5g62880	+	+	+	
At5g62890	+	+	+	
At5g62900	+	+	+	
At5g62910	+	+	+	
At5g62920	+		+	
At5g62930	+	+	+	
At5g62940	+		+	

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At5g62960	+	+	+	
At5g62980	+	+	+	
At5g63000	+	+	+	
At5g63010	+	+	+	
At5g63030	+	+	+	
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At5g63060	+	+	+	
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At5g63120	+	+	+	
At5g63130	+			
At5g63135	+	+	+	
At5g63140	+	+	+	
At5g63150	+	+	+	
At5g63180	+	+	+	
At5g63190	+	+	+	
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At5g63220	+	+	+	
At5g63260	+	+	+	
At5g63280	+	+		
At5g63290	+	+		
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At5g63440	+	+	+	
At5g63450		+		
At5g63460	+			
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At5g63480	+	+		
At5g63490	+	+	+	
At5g63510	+	+	+	
At5g63520	+	+	+	
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At5g63570	+	+	+	
At5g63580			+	
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At5g63630	+	+	+	
At5g63640	+	+	+	
At5g63650	+	+	+	
At5g63670	+	+	+	

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At5g63710	+	+	+	
At5g63750	+			+
At5g63760	+	+	+	
At5g63770	+	+	+	
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At5g64270	+	+	+	
At5g64280	+	+	+	
At5g64290	+	+	+	

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At5g64310	+	+	+	
At5g64330	+	+	+	
At5g64340	+	+	+	
At5g64350	+	+	+	
At5g64360	+	+	+	
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At5g64660	+	+	+	
At5g64670	+	+	+	
At5g64680	+	+	+	
At5g64690	+			
At5g64700	+		+	
At5g64730	+	+	+	
At5g64740	+	+	+	
At5g64760	+	+	+	
At5g64780	+	+	+	
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At5g64870	+	+	+	+
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At5g64900	+	+	+	
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At5g64940	+	+	+	
At5g64950	+	+	+	
At5g64960	+	+	+	

At5g64970	+	+	+	
At5g64980	+	+	+	
At5g64990	+	+	+	
At5g65000	+	+	+	
At5g65010	+	+	+	
At5g65020	+	+	+	
At5g65040	+		+	
At5g65050	+	+		
At5g65080	+			
At5g65090	+	+		
At5g65110	+	+	+	
At5g65120	+	+	+	
At5g65140	+	+	+	
At5g65180	+	+	+	
At5g65205	+			+
At5g65210		+		
At5g65220	+	+	+	
At5g65240	+	+	+	
At5g65250	+	+	+	
At5g65260	+	+	+	
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At5g65700	+	+	+	
At5g65710	+	+	+	
At5g65720	+	+	+	
At5g65730	+	+	+	
At5g65750	+	+	+	

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At5g65770	+	+	+
At5g65780	+	+	+
At5g65810	+	+	+
At5g65830	+	+	+
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At5g65860	+	+	+
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At5g66000			+
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At5g66070	+	+	+
At5g66080	+	+	+
At5g66090	+	+	+
At5g66120	+	+	+
At5g66130	+	+	+
At5g66140	+	+	+
At5g66150	+		
At5g66160	+	+	+
At5g66170	+	+	+
At5g66180	+	+	+
At5g66190	+	+	+
At5g66200	+	+	+
At5g66210	+	+	+
At5g66230	+	+	+
At5g66240	+	+	+
At5g66250	+	+	+
At5g66260		+	
At5g66310	+	+	+
At5g66320	+	+	+
At5g66330	+	+	+
At5g66360	+	+	+
At5g66380	+	+	+
At5g66400	+		
At5g66410	+	+	+
At5g66420	+	+	+
At5g66440	+	+	+
At5g66460	+	+	+

At5g66470	+	+	+	
At5g66490	+	+	+	
At5g66510	+	+	+	
At5g66520	+		+	
At5g66530	+	+	+	
At5g66540	+	+	+	
At5g66550	+		+	
At5g66560	+	+	+	
At5g66570	+	+	+	
At5g66590	+	+	+	
At5g66620	+		+	
At5g66650	+			
At5g66680	+	+	+	
At5g66700	+		+	
At5g66710	+			
At5g66730	+	+	+	
At5g66740	+	+		+
At5g66750	+	+	+	
At5g66760	+	+	+	
At5g66770	+	+	+	
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At5g66810	+	+	+	
At5g66820	+	+	+	
At5g66850	+	+	+	
At5g66880	+	+	+	
At5g66890			+	
At5g66900	+	+	+	
At5g66920	+	+	+	
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At5g66940	+	+		
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At5g66960	+	+	+	
At5g67020		+		
At5g67030	+	+	+	
At5g67060	+			
At5g67070	+	+	+	
At5g67090			+	
At5g67100	+	+	+	
At5g67110	+	+	+	
At5g67130	+	+	+	
At5g67150	+	+	+	
At5g67160	+	+	+	
At5g67180	+	+	+	
At5g67200	+	+	+	
At5g67210	+	+	+	
At5g67220	+	+	+	
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At5g67240	+	+	+	
At5g67250	+	+	+	
At5g67260	+	+	+	
At5g67270	+	+	+	
At5g67280	+	+	+	

At5g67290	+	+	+
At5g67300	+	+	+
At5g67320	+	+	+
At5g67330	+	+	+
At5g67340		+	
At5g67350	+	+	+
At5g67360	+	+	+
At5g67370	+	+	+
At5g67380	+	+	+
At5g67420	+	+	+
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At5g67510	+	+	+
At5g67520	+	+	+
At5g67530	+	+	+
At5g67560	+	+	+
At5g67570	+	+	
At5g67580	+	+	+
At5g67590	+	+	+
At5g67600	+	+	+
At5g67630	+	+	+
AtMg00170	+	+	
AtMg00220		+	
AtMg00290	+	+	+
AtMg00410	+	+	+
AtMg00480	+	+	+
AtMg00560	+	+	+
AtMg00610	+	+	+
AtMg00730	+	+	+
AtMg01190	+	+	+
AtMg01280			+

Table S2. Genes specific to flowers.

Probe set	Gene	Model	Annotation
249351_at	At5g40440	1	MAP kinase kinase 3 (ATMKK3)
259656_at	At1g55200	1	protein kinase, putative
266908_at	At2g34650	1	putative protein kinase
265268_at	At2g42960	1	putative protein kinase
250616_at	At5g07280	1	receptor-like protein kinase-like protein
257870_at	At3g28490	1	2-oxoglutarate-dependent dioxygenase family
263907_at	At2g36270	1	ABA-responsive element binding protein, putative
248277_at	At5g52860	1	ABC transporter family protein
247344_at	At5g63750	1	ARI-like RING zinc finger protein-like
253788_at	At4g28680	1	aromatic amino-acid decarboxylase - like protein
246282_at	At4g36580	1	ATPase-like protein
246544_at	At5g15100	1	auxin transport protein - like
250286_at	At5g13320	1	auxin-responsive - like protein
260483_at	At1g11000	1	Barley Mlo protein isolog
258306_at	At3g30530	1	bZIP family transcription factor
260136_at	At1g66360	1	C2 domain-containing protein
256031_at	At1g34100	1	choline kinase (GmCK2p), putative
264310_at	At1g62030	1	CHP-rich zinc finger protein, putative
251728_at	At3g56300	1	cysteine-tRNA ligase-like protein
266921_at	At2g45970	1	cytochrome P450, putative
245437_at	At4g16630	1	DEAD/DEAH box RNA helicase, putative
245719_at	At5g04110	1	DNA gyrase subunit B - like protein
256830_at	At3g22860	1	eukaryotic translation initiation factor 3 (subunit 8)
264606_at	At1g04660	1	expressed protein
255768_at	At1g16705	1	Expressed protein
246581_at	At1g31760	1	expressed protein
262726_at	At1g43640	1	expressed protein
259662_at	At1g55255	1	Expressed protein
256363_at	At1g66510	1	expressed protein
259956_at	At1g75110	1	expressed protein
264094_at	At1g79200	1	expressed protein
265997_at	At2g24250	1	Expressed protein
263474_at	At2g31725	1	expressed protein
257136_at	At3g12890	1	expressed protein
257845_at	At3g28430	1	expressed protein
255480_at	At4g02485	1	expressed protein
262989_at	At1g23420	1	F28C11.5
249405_at	At5g40280	1	farnesyltransferase beta subunit (ERA1) (protein farnesyltransferase)
259124_at	At3g02310	1	floral homeotic protein AGL4
250258_at	At5g13790	1	floral homeotic protein, AGL15
253623_at	At4g30570	1	GDP-mannose pyrophosphorylase like protein
260023_at	At1g30040	1	gibberellin 2-oxidase (GA2-oxidase) (ga2ox2)
251197_at	At3g62960	1	glutaredoxin -like protein
260632_at	At1g62360	1	homeobox protein, putative
245585_at	At4g14970	1	hypothetical
261575_at	At1g01130	1	hypothetical protein
264830_at	At1g03710	1	hypothetical protein
265082_at	At1g03830	1	hypothetical protein

260945_at	At1g05950	1	hypothetical protein
259394_at	At1g06420	1	hypothetical protein
260654_at	At1g19290	1	hypothetical protein
261000_at	At1g26540	1	hypothetical protein
264267_at	At1g60210	1	hypothetical protein
264426_at	At1g61760	1	hypothetical protein
262640_at	At1g62763	1	hypothetical protein
262925_at	At1g65730	1	hypothetical protein
261917_at	At1g65920	1	hypothetical protein
264478_at	At1g77270	1	hypothetical protein
263741_at	At2g20620	1	hypothetical protein
265430_at	At2g20700	1	hypothetical protein
265428_at	At2g20720	1	hypothetical protein
265420_s_at	At2g21030	1	hypothetical protein
265609_at	At2g25420	1	hypothetical protein
266540_at	At2g35310	1	hypothetical protein
266970_at	At2g39560	1	hypothetical protein
245109_at	At2g41520	1	hypothetical protein
245110_at	At2g41550	1	hypothetical protein
263974_at	At2g42720	1	hypothetical protein
259089_at	At3g04960	1	hypothetical protein
256418_at	At3g06160	1	hypothetical protein
257579_at	At3g11000	1	hypothetical protein
258781_at	At3g11740	1	hypothetical protein
256285_at	At3g12510	1	hypothetical protein
256957_at	At3g13420	1	hypothetical protein
257878_at	At3g17150	1	hypothetical protein
257248_at	At3g24150	1	hypothetical protein
252288_at	At3g49090	1	hypothetical protein
245515_at	At4g15810	1	hypothetical protein
253363_at	At4g33130	1	hypothetical protein
259087_at	At3g04980	1	hypothetical protein, contains DnaJ motif
254400_at	At4g21270	1	kinesin-like protein A (katA)
250685_at	At5g06670	1	kinesin-related protein
257483_at	At1g49620	1	Kip-related protein 7
245571_at	At4g14695	1	light induced protein like
258741_at	At3g05790	1	Lon protease, putative
246531_at	At5g15800	1	MADS-box protein AGL2
260461_at	At1g10980	1	membrane protein PTM1 precursor isolog
255081_at	At4g09140	1	MLH1 protein
251223_at	At3g62610	1	myb family transcription factor
250386_at	At5g11510	1	MYB like protein
255409_at	At4g03090	1	NDX1 homeobox protein homolog
264973_at	At1g27040	1	nitrate transporter, putative
247208_at	At5g64870	1	nodulin-like
248660_at	At5g48650	1	NTF2-containing RNA-binding protein, putative
262124_at	At1g59660	1	nucleoporin 98-like protein
251979_at	At3g53140	1	O-diphenol-O-methyl transferase, putative
258240_at	At3g27660	1	oleosin
253370_at	At4g33230	1	pectinesterase family
247857_at	At5g58400	1	peroxidase, putative
249275_at	At5g41870	1	polygalacturonase, putative

254373_at	At4g21730	1	pseudogene, expressed protein
248022_at	At5g56510	1	pumilio-family RNA-binding protein, putative
265318_at	At2g22650	1	putative D-amino acid dehydrogenase
263963_at	At2g36080	1	putative DNA-binding protein RAV2
263231_at	At1g05680	1	putative indole-3-acetate beta-glucosyltransferase
262654_at	At1g14180	1	putative mandelonitrile lyase
267576_at	At2g30640	1	putative Mutator-like transposase
245162_at	At2g33240	1	putative myosin heavy chain
262773_at	At1g13220	1	putative nuclear matrix constituent protein
252495_at	At3g46770	1	putative protein
252227_at	At3g49900	1	putative protein
252129_at	At3g50890	1	putative protein
252088_at	At3g52100	1	putative protein
251844_at	At3g54630	1	putative protein
251576_at	At3g58200	1	putative protein
251521_at	At3g59420	1	putative protein
254704_at	At4g18020	1	putative protein
254203_at	At4g24150	1	putative protein
254142_at	At4g24630	1	putative protein
253887_at	At4g27730	1	putative protein
253488_at	At4g31610	1	putative protein
253168_at	At4g35070	1	putative protein
253085_s_at	At4g36270	1	putative protein
251111_at	At5g01310	1	putative protein
251025_at	At5g02190	1	putative protein
250920_at	At5g03390	1	putative protein
250847_at	At5g04480	1	putative protein
250492_at	At5g09790	1	putative protein
250504_at	At5g09840	1	putative protein
250359_at	At5g11350	1	putative protein
250078_at	At5g16690	1	putative protein
250071_at	At5g18000	1	putative protein
250004_at	At5g18750	1	putative protein
246889_at	At5g25470	1	putative protein
246898_at	At5g25580	1	putative protein
249692_s_at	At5g36670	1	putative protein
249621_at	At5g37530	1	putative protein
249418_at	At5g39780	1	putative protein
249003_at	At5g44500	1	putative protein
248948_at	At5g45560	1	putative protein
248830_at	At5g47150	1	putative protein
248372_at	At5g51850	1	putative protein
248143_at	At5g55040	1	putative protein
247562_at	At5g61120	1	putative protein
247317_at	At5g64060	1	putative protein
249426_at	At5g39840	1	putative RNA helicase
267639_at	At2g42200	1	putative squamosa-promoter binding protein
264444_at	At1g27360	1	putative squamosa-promoter binding protein 2
265905_at	At2g25640	1	putative transcription elongation factor S-II
248693_at	At5g48330	1	regulator of chromosome condensation like
261306_at	At1g48610	1	regulatory protein HAL3B
261100_at	At1g63020	1	RNA polymerase IIA large subunit, putative

256780_at	At3g13640	1	RNase L inhibitor protein, putative
266539_at	At2g35160	1	similar to mammalian MHC III region protein G9a
260335_at	At1g74000	1	strictosidine synthase family
251021_at	At5g02140	1	thaumatin-like protein
261168_at	At1g04940	1	unknown protein
259461_at	At1g18900	1	unknown protein
256175_at	At1g51670	1	unknown protein
264483_at	At1g77230	1	unknown protein
261889_at	At1g80810	1	unknown protein
267284_at	At2g23700	1	unknown protein
266562_at	At2g23970	1	unknown protein
266987_at	At2g39280	1	unknown protein
252320_at	At3g48580	1	xyloglucan endotransglycosylase, putative
246025_at	At5g21150	1	zwille/pinhead-like protein
252450_s_at	At3g47090	2	leucine-rich repeat transmembrane protein kinase, putative
259439_at	At1g01480	2	1-aminocyclopropane-1-carboxylate synthase (ACC synthase)
251448_at	At3g59845	2	allyl alcohol dehydrogenase-like protein
254336_at	At4g22050	2	aspartic proteinase like protein
260242_at	At1g63650	2	bHLH protein
255644_at	At4g00870	2	bHLH protein
249207_at	At5g42640	2	C2H2-type zinc finger protein-like
265020_at	At1g24540	2	cytochrome P450, putative
253461_at	At4g32170	2	cytochrome P450, putative
267554_at	At2g32790	2	E2, ubiquitin-conjugating enzyme, putative
264363_at	At1g03170	2	expressed protein
260942_s_at	At1g45190	2	expressed protein
262290_at	At1g70985	2	Expressed protein
263518_at	At2g21655	2	Expressed protein
255823_at	At2g40470	2	expressed protein
259107_at	At3g05460	2	expressed protein
249757_at	At5g24316	2	Expressed protein
246641_s_at	At5g34885	2	Expressed protein
249402_at	At5g40155	2	Expressed protein
248887_at	At5g46115	2	Expressed protein
247287_at	At5g64230	2	expressed protein
255073_at	At4g09090	2	glycosyl hydrolase family 17
250499_at	At5g09730	2	glycosyl hydrolase family 3
265091_s_at	At1g03940	2	hypothetical protein
256109_at	At1g16950	2	hypothetical protein
261001_at	At1g26530	2	hypothetical protein
257468_at	At1g47470	2	hypothetical protein
260319_at	At1g63950	2	hypothetical protein
264341_at	At1g70270	2	hypothetical protein
261533_at	At1g71690	2	hypothetical protein
251606_at	At3g57840	2	hypothetical protein
253984_at	At4g26590	2	isp4 like protein
260333_at	At1g70500	2	polygalacturonase, putative
257077_at	At3g19690	2	PR-1 protein, putative
255804_at	At4g10220	2	putative protein
254777_at	At4g12960	2	putative protein
254186_at	At4g24010	2	putative protein
250894_s_at	At5g03810	2	putative protein

250325_s_at	At5g12060	2	putative protein
246684_at	At5g33340	2	putative protein
249614_at	At5g37300	2	putative protein
249578_at	At5g37730	2	putative protein
247713_at	At5g59330	2	putative protein
260170_at	At1g71890	2	putative sucrose transport protein
253632_at	At4g30430	2	senescence-associated protein homolog
248918_at	At5g45890	2	senescence-specific cysteine protease SAG12
249241_at	At5g42230	2	serine carboxypeptidase-II like
247798_at	At5g58830	2	subtilisin-like serine protease
250716_at	At5g06170	2	sucrose transporter protein
258130_at	At3g24510	2	unknown protein
248930_at	At5g46010	2	unknown protein
257130_at	At3g20210	2	vacuolar processing enzyme/asparaginyl endopeptidase, putative
248111_at	At5g55330	2	wax synthase-like protein
250473_at	At5g10220	3	annexin -like protein
246939_at	At5g25390	3	AP2 domain containing protein
261137_at	At1g19830	3	auxin-induced protein, putative
246430_at	At5g17470	3	calmodulin-like protein
260891_at	At1g29080	3	cysteine protease
266723_at	At2g03190	3	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 (At16), putative
265899_s_at	At2g25700	3	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 (At3), putative
249502_s_at	At5g39280	3	expansin, putative
249556_at	At5g38195	3	Expressed protein
261182_at	At1g34575	3	FAD-linked oxidoreductase family
249491_at	At5g39130	3	germin - like protein
260299_at	At1g80330	3	gibberellin 3 beta-hydroxylase, putative
245275_at	At4g15210	3	glycosyl hydrolase family 14 (beta-amylase)
267620_at	At2g39640	3	glycosyl hydrolase family 17
267394_s_at	At2g44540	3	glycosyl hydrolase family 9
262102_at	At1g02980	3	hypothetical protein
263203_at	At1g05490	3	hypothetical protein
262862_at	At1g64830	3	hypothetical protein
266912_at	At2g45900	3	hypothetical protein
258873_at	At3g03240	3	hypothetical protein
257521_at	At3g09140	3	hypothetical protein
258932_at	At3g10150	3	hypothetical protein
257123_at	At3g20030	3	hypothetical protein
258289_at	At3g23450	3	hypothetical protein
254900_at	At4g11510	3	hypothetical protein
245467_at	At4g16610	3	hypothetical protein
253818_at	At4g28330	3	hypothetical protein
250870_at	At5g03920	3	hypothetical protein
253769_at	At4g28560	3	leucine rich repeat protein family (fragment)
264214_s_at	At1g65330	3	MADS-box protein
267403_at	At2g26320	3	MADS-box protein
259607_at	At1g27940	3	multidrug resistance P-glycoprotein, putative
249704_at	At5g35550	3	myb family transcription factor
263161_at	At1g54020	3	myrosinase-associated protein, putative
257841_at	At3g25260	3	nitrate transporter, putative
263734_at	At1g60030	3	permease, putative
253655_at	At4g30070	3	plant defensin-fusion protein, putative

250578_at	At5g07850	3	proanthranilate N-benzoyltransferase -like protein
267122_at	At2g23550	3	putative acetone-cyanohydrin lyase
267585_s_at	At2g42090	3	putative actin
266169_at	At2g38900	3	putative protease inhibitor
250889_at	At5g04500	3	putative protein
246494_at	At5g16190	3	putative protein
246900_at	At5g25620	3	putative protein
255491_at	At4g02670	3	putative zinc finger protein
245890_at	At5g09490	3	ribosomal protein S15-like
247799_at	At5g58840	3	subtilisin-like serine protease
266245_at	At2g27700	3	translation initiation factor eIF-2, putative
250467_at	At5g10100	3	trehalose-6-phosphate phosphatase -like protein
256102_at	At1g13680	3	unknown protein
248892_at	At5g46300	3	unknown protein
248202_at	At5g54220	3	unknown protein
267552_at	At2g32770	4	putative purple acid phosphatase precursor
258182_at	At3g21500	4	1-D-deoxyxylulose 5-phosphate synthase, putative
249738_at	At5g24510	4	60s acidic ribosomal protein P1
264066_at	At2g27880	4	Argonaute (AGO1)-like protein
266134_s_at	At2g45110	4	beta-expansin, putative
255056_at	At4g09820	4	bHLH protein
259045_at	At3g03410	4	calmodulin-like protein
247869_at	At5g57520	4	CCHH finger protein 2-like protein (pir S55882)
253683_at	At4g29650	4	cytidine deaminase 4 (CDA4)
246380_at	At1g57750	4	cytochrome P450, putative
266736_at	At2g46960	4	cytochrome P450, putative
247796_at	At5g58782	4	dehydrodolichyl diphosphate synthase (DEDOL-PP synthase), putative
264401_at	At1g61720	4	dihydroflavonol 4-reductase, putative
250994_at	At5g02490	4	dnaK-type molecular chaperone hsc70.1 - like
265590_at	At2g20160	4	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 (At17), putative
264610_at	At1g04645	4	Expressed protein
262445_at	At1g47485	4	Expressed protein
264163_at	At1g65445	4	Expressed protein
267218_at	At2g02515	4	Expressed protein
258490_at	At3g02670	4	expressed protein
245371_at	At4g15750	4	expressed protein
253164_at	At4g35725	4	Expressed protein
248823_s_at	At5g46960	4	expressed protein
247757_at	At5g59105	4	Expressed protein
264400_at	At1g61800	4	glucose-6-phosphate/phosphate-translocator precursor, putative
254591_at	At4g18870	4	heat shock transcription factor - like protein
263204_at	At1g05480	4	hypothetical protein
264500_at	At1g09370	4	hypothetical protein
263026_at	At1g24000	4	hypothetical protein
263027_at	At1g24010	4	hypothetical protein
256492_at	At1g31490	4	hypothetical protein
262083_at	At1g56100	4	hypothetical protein
262895_at	At1g59800	4	hypothetical protein
257411_s_at	At1g61320	4	hypothetical protein
256335_at	At1g72110	4	hypothetical protein
267541_at	At2g32750	4	hypothetical protein
257681_at	At3g13370	4	hypothetical protein

257089_at	At3g20520	4	hypothetical protein
257567_at	At3g23930	4	hypothetical protein
264461_s_at	At4g15050	4	hypothetical protein
259844_at	At1g73560	4	lipid transfer protein, putative
251555_at	At3g58780	4	MADS-box protein
255014_at	At4g09960	4	MADS-box protein
246834_at	At5g26625	4	MADS-box protein
256985_at	At3g13540	4	myb-related protein 5
266563_at	At2g23990	4	nodulin-like protein
245738_at	At1g44130	4	nucellin, putative
248405_at	At5g51480	4	pectinesterase (pectin methylesterase) family
260848_at	At1g21850	4	pectinesterase (pectin methylesterase), putative
265224_at	At2g36710	4	pectinesterase family
248593_at	At5g49180	4	pectinesterase family
252342_at	At3g48950	4	polygalacturonase, putative
264554_at	At1g09510	4	putative cinnamyl alcohol dehydrogenase
245892_at	At5g09370	4	putative lipid transfer protein
258760_at	At3g10780	4	putative membrane protein
245389_at	At4g17480	4	putative protein
250360_at	At5g11360	4	putative protein
250267_at	At5g12930	4	putative protein
247666_at	At5g60140	4	putative protein
258590_at	At3g04280	4	putative response regulator protein (receiver component)
249856_at	At5g22980	4	serine carboxypeptidase
254394_at	At4g21630	4	subtilisin-like serine protease
258116_at	At3g14520	4	terpene synthase/cyclase family
251114_at	At5g01380	4	transcription factor GT-3a
261059_at	At1g01250	4	transcription factor TINY, putative
267166_at	At2g37720	4	unknown protein
265954_at	At2g37260	4	WRKY family transcription factor
250308_at	At5g12180	5	calcium-dependent protein kinase
246065_at	At5g19360	5	calcium-dependent protein kinase - like
261875_at	At1g50610	5	leucine-rich repeat transmembrane protein kinase, putative
266494_at	At2g07040	5	leucine-rich repeat transmembrane protein kinase, putative
257119_at	At3g20190	5	leucine-rich repeat transmembrane protein kinase, putative
248604_at	At5g49470	5	protein kinase
250121_at	At5g16500	5	protein kinase-like protein
263450_at	At2g31500	5	putative calcium-dependent protein kinase
267531_at	At2g41860	5	putative calcium-dependent protein kinase
259886_at	At1g76370	5	putative protein kinase
265923_at	At2g18470	5	putative protein kinase
265681_at	At2g24370	5	putative protein kinase
258600_at	At3g02810	5	putative protein kinase
258843_at	At3g04690	5	putative protein kinase
255006_at	At4g10010	5	putative protein kinase
250349_at	At5g12000	5	putative receptor - like kinase
252933_at	At4g39110	5	putative receptor-like protein kinase
246106_at	At5g28680	5	receptor-like protein kinase precursor - like
260737_at	At1g17540	5	receptor-like serine threonine kinase, putative
264369_at	At1g70430	5	Ste-20 related kinase SPAK, putative
267571_at	At2g30650	5	3-hydroxyisobutyryl-coenzyme A hydrolase
259425_at	At1g01460	5	4,5 PIP kinase, putative

248367_at	At5g52360	5	actin depolymerizing factor-like
267168_at	At2g37770	5	aldo/keto reductase family
247843_at	At5g58050	5	aluminium tolerance associated - like protein
253181_at	At4g35180	5	amino acid permease - like protein
256521_at	At1g66120	5	AMP-binding enzyme, putative
246942_at	At5g25430	5	anion exchanger-like protein
251716_at	At3g55870	5	anthranilate synthase alpha-1 chain - like protein
252440_at	At3g47440	5	aquaporin-like protein
259189_at	At3g01700	5	arabinogalactan-protein (AGP11)
254123_at	At4g24640	5	Bnm1 like protein
262022_at	At1g35490	5	bZIP family transcription factor
245700_at	At5g04180	5	carbonate dehydratase - like protein
249448_at	At5g39420	5	cdc2-like protein
263043_at	At1g23350	5	conserved hypothetical protein
267559_at	At2g45570	5	cytochrome p450 family
257035_at	At3g19270	5	cytochrome P450, putative
257065_at	At3g18220	5	diacylglycerol pyrophosphate phosphatase, putative
259799_at	At1g72290	5	drought induced protein, putative
258686_at	At3g07840	5	exopolygalacturonase
260933_at	At1g02470	5	expressed protein
261687_at	At1g47280	5	expressed protein
265007_s_at	At1g61566	5	Expressed protein
259370_at	At1g69050	5	expressed protein
263084_at	At2g27180	5	expressed protein
267431_at	At2g34870	5	expressed protein
263950_at	At2g36020	5	expressed protein
258591_at	At3g04360	5	expressed protein
258337_at	At3g16040	5	expressed protein
257819_at	At3g25165	5	Expressed protein
257821_at	At3g25170	5	Expressed protein
258077_at	At3g26110	5	expressed protein
253831_at	At4g27580	5	Expressed protein
246208_at	At4g36490	5	expressed protein
248840_at	At5g46770	5	expressed protein
248194_at	At5g54095	5	Expressed protein
253318_at	At4g33970	5	extensin-like protein
257392_at	At2g24450	5	fasciclin-like arabinogalactan-protein, putative (FLA3)
258748_at	At3g05930	5	germin-like protein
246256_at	At4g36770	5	glucosyltransferase-like protein
260513_at	At1g51490	5	glycosyl hydrolase family 1
249243_s_at	At5g42260	5	glycosyl hydrolase family 1
247253_at	At5g64790	5	glycosyl hydrolase family 17
251228_at	At3g62710	5	glycosyl hydrolase family 3
246183_at	At5g20940	5	glycosyl hydrolase family 3
263905_at	At2g36190	5	glycosyl hydrolase family 32
252052_at	At3g52600	5	glycosyl hydrolase family 32
265404_at	At2g16730	5	glycosyl hydrolase family 35 (beta-galactosidase)
253226_at	At4g35010	5	glycosyl hydrolase family 35 (beta-galactosidase)
252710_at	At3g43860	5	glycosyl hydrolase family 9
245057_at	At2g26490	5	G-protein beta family
245640_at	At1g25330	5	helix-loop-helix protein homolog, putative
263655_at	At1g04500	5	hypothetical protein

264601_at	At1g04540	5	hypothetical protein
259464_at	At1g18990	5	hypothetical protein
260661_at	At1g19500	5	hypothetical protein
255950_at	At1g22110	5	hypothetical protein
245658_at	At1g28270	5	hypothetical protein
260888_at	At1g29140	5	hypothetical protein
262389_at	At1g49270	5	hypothetical protein
257469_at	At1g49290	5	hypothetical protein
262393_at	At1g49490	5	hypothetical protein
246392_at	At1g58120	5	hypothetical protein
264269_at	At1g60240	5	hypothetical protein
262696_at	At1g75870	5	hypothetical protein
264139_at	At1g78940	5	hypothetical protein
265368_at	At2g13350	5	hypothetical protein
257433_at	At2g21990	5	hypothetical protein
266160_at	At2g28180	5	hypothetical protein
266607_at	At2g46300	5	hypothetical protein
259266_at	At3g01240	5	hypothetical protein
257523_at	At3g01620	5	hypothetical protein
257532_at	At3g04700	5	hypothetical protein
256389_at	At3g06220	5	hypothetical protein
258753_at	At3g09530	5	hypothetical protein
256945_at	At3g19020	5	hypothetical protein
257082_at	At3g20580	5	hypothetical protein
258168_at	At3g21570	5	hypothetical protein
258290_at	At3g23460	5	hypothetical protein
253153_at	At4g35700	5	hypothetical protein
252733_at	At3g43120	5	indole-3-acetic acid induced protein, related
245997_at	At5g20810	5	indole-3-acetic acid induced protein, related
254640_at	At4g18790	5	ion transporter - like protein
256450_at	At1g75290	5	isoflavone reductase homolog P3, putative
256509_at	At1g75300	5	isoflavone reductase homolog P3, putative
249194_at	At5g42490	5	kinesin heavy chain-like protein
251835_at	At3g55180	5	lipase -like protein
264137_at	At1g78960	5	lupeol synthase (LUP1), putative
262146_at	At1g52580	5	membrane protein, putative
245443_at	At4g16730	5	monoterpene synthase/cyclase family
258237_at	At3g27810	5	myb family transcription factor (ATMYB3)
257220_at	At3g27812	5	MYB family transcription factor (Atmyb3), putative
265984_at	At2g24210	5	myrcene/ocimene synthase
246841_at	At5g26696	5	nectarin - like protein
248926_at	At5g45880	5	Ole e I (main olive allergen)-like protein
261045_at	At1g01310	5	pathogenesis related protein, putative
246751_at	At5g27870	5	pectin methyl-esterase - like protein
245053_at	At2g26450	5	pectin methylesterase, putative
265127_at	At1g55560	5	pectinesterase (pectin methylesterase) family
266750_s_at	At2g47040	5	pectinesterase family
250631_at	At5g07430	5	pectinesterase family
245959_at	At5g19640	5	peptide transport protein-like
246145_at	At5g19880	5	peroxidase, putative
248822_at	At5g47000	5	peroxidase, putative
259740_at	At1g64300	5	phytochrome, putative

266115_at	At2g02140	5	plant defensin protein, putative (PDF2.6)
262122_at	At1g02790	5	polygalacturonase, putative
258639_at	At3g07820	5	polygalacturonase, putative
251434_at	At3g59850	5	polygalacturonase, putative
253151_at	At4g35670	5	polygalacturonase, putative
248714_at	At5g48140	5	polygalacturonase, putative
261528_at	At1g14420	5	polysaccharide lyase family 1 (pectate lyase)
267476_at	At2g02720	5	polysaccharide lyase family 1 (pectate lyase)
246545_at	At5g15110	5	polysaccharide lyase family 1 (pectate lyase)
249447_at	At5g39400	5	PTEN -like protein
250154_at	At5g15140	5	putative aldose 1-epimerase - like protein
260013_at	At1g68090	5	putative annexin
259353_at	At3g05190	5	putative branched-chain amino acid aminotransferase
253833_at	At4g27790	5	putative calcium binding protein
255423_at	At4g03290	5	putative calmodulin
245159_at	At2g33100	5	putative cellulose synthase
256392_at	At3g06260	5	putative glycosyl transferase
253807_at	At4g28280	5	putative GPI-anchored protein
264387_at	At1g11990	5	putative growth regulator protein
263230_at	At1g05670	5	putative indole-3-acetate beta-glucosyltransferase
266918_at	At2g45800	5	putative LIM-domain protein
264648_at	At1g09080	5	putative luminal binding protein
266126_at	At2g45040	5	putative metalloproteinase
265587_at	At2g19980	5	putative pathogenesis-related protein
266764_at	At2g47050	5	putative pectinesterase
258889_at	At3g05610	5	putative pectinesterase
255515_at	At4g02250	5	putative pistil-specific protein
265903_at	At2g25600	5	putative potassium transporter/channel
251697_at	At3g56600	5	putative protein
251250_at	At3g62180	5	putative protein
251252_at	At3g62230	5	putative protein
251180_at	At3g62640	5	putative protein
255425_s_at	At4g03360	5	putative protein
254001_at	At4g26260	5	putative protein
253924_at	At4g27110	5	putative protein
253084_at	At4g36260	5	putative protein
253031_at	At4g38190	5	putative protein
252881_at	At4g39610	5	putative protein
246592_at	At5g14890	5	putative protein
249803_at	At5g23780	5	putative protein
246918_at	At5g25340	5	putative protein
246878_at	At5g26060	5	putative protein
246646_at	At5g35090	5	putative protein
249429_at	At5g39880	5	putative protein
249336_at	At5g41070	5	putative protein
249270_at	At5g41780	5	putative protein
248711_at	At5g48270	5	putative protein
248643_at	At5g49130	5	putative protein
248534_at	At5g50030	5	putative protein
247981_at	At5g56640	5	putative protein
247920_at	At5g57670	5	putative protein
247502_at	At5g61940	5	putative protein

247402_at	At5g62750	5	putative protein
251874_at	At3g54240	5	putative protein (fragment)
263166_at	At1g03050	5	putative protein destination factor
265491_s_at	At2g15650	5	putative retroelement pol polyprotein
255847_at	At2g33270	5	putative thioredoxin
250447_at	At5g10800	5	RRM-containing protein
261150_at	At1g19640	5	S-adenosyl-L-methionine:jasmonic acid carboxyl methyltransferase
252937_at	At4g39180	5	SEC14 - like protein
252085_s_at	At3g52000	5	serine-type carboxypeptidase like protein
264791_at	At2g17845	5	similar to oxidoreductase -like protein
256636_at	At3g12000	5	S-locus related protein SLR1 homolog (AtS1)
259820_at	At1g66210	5	subtilisin-like serine protease
252499_s_at	At3g46840	5	subtilisin-like serine protease
247758_at	At5g59120	5	subtilisin-like serine protease
262511_at	At1g11250	5	syntaxin SYP125
259338_at	At3g03800	5	syntaxin SYP131
264430_at	At1g61680	5	terpene synthase/cyclase family
249005_at	At5g44630	5	terpene synthase/cyclase family
260355_at	At1g69180	5	transcription factor CRC
256701_at	At3g52270	5	transcription initiation factor IIF, beta subunit, putative
263659_at	At1g04470	5	unknown protein
265133_s_at	At1g51250	5	unknown protein
263144_at	At1g54070	5	unknown protein
264626_at	At1g65620	5	unknown protein
262976_at	At1g75520	5	unknown protein
265705_at	At2g03410	5	unknown protein
263440_at	At2g28640	5	unknown protein
255835_at	At2g33420	5	unknown protein
257358_at	At2g40990	5	unknown protein
267097_at	At2g41440	5	unknown protein
256584_at	At3g28750	5	unknown protein
257106_at	At3g29060	5	unknown protein
255251_at	At4g04980	5	unknown protein
248470_at	At5g50830	5	unknown protein
248359_at	At5g52410	5	unknown protein
251592_at	At3g57670	5	zinc finger - like protein
259635_at	At1g56360	6	purple acid phosphatase, putative
252004_at	At3g52780	6	purple acid phosphatase-like protein
252005_at	At3g52810	6	purple acid phosphatase-like protein
260424_at	At1g72460	6	leucine-rich repeat transmembrane protein kinase, putative
257261_s_at	At3g21920	6	pollen coat receptor kinase, putative
247662_at	At5g60090	6	protein kinase - like
267281_at	At2g19400	6	putative protein kinase
262508_at	At1g11300	6	serine/threonine kinase, putative
247416_at	At5g63070	6	40S ribosomal protein S15-like protein
252090_at	At3g52130	6	5B protein like protein
250619_at	At5g07230	6	A9
251825_at	At3g55100	6	ABC transporter family protein
253863_at	At4g27420	6	ABC transporter family protein
252531_at	At3g46520	6	actin 12
245820_at	At1g26320	6	allyl alcohol dehydrogenase, putative
261532_at	At1g71680	6	amino acid permease, putative

253792_at	At4g28700	6	ammonium transporter - like protein
252769_at	At3g42850	6	arabinose kinase - like protein
250294_at	At5g13380	6	auxin reponsive - like protein
249048_at	At5g44300	6	auxin-repressed protein-like
250288_at	At5g13350	6	auxin-responsive - like protein
252035_at	At3g52160	6	beta-ketoacyl-CoA synthase family
257491_at	At1g06170	6	bHLH protein
264117_at	At2g31210	6	bHLH protein
261246_at	At1g20080	6	C2 domain-containing protein
263011_at	At1g23250	6	Ca ²⁺ -binding EF-hand common family protein, putative
260621_at	At1g08065	6	carbonic anhydrase, putative
253222_at	At4g34850	6	chalcone and stilbene synthase family
255805_at	At4g10240	6	CONSTANS B-box zinc finger family protein
255649_at	At4g00920	6	contains region of similarity to mouse microtubule-associated protein 2
247759_at	At5g59040	6	copper transport protein - like
260788_at	At1g06260	6	cysteine proteinase
261051_at	At1g01280	6	cytochrome p450 family
261499_at	At1g28430	6	cytochrome p450 family
247579_at	At5g61320	6	cytochrome p450 family
260228_at	At1g74540	6	cytochrome p450 monooxygenase, putative
262765_at	At1g13150	6	cytochrome P450, putative
259615_at	At1g47980	6	desiccation-related protein, putative
261061_at	At1g07540	6	DNA-binding protein, putative
256354_at	At1g54870	6	dormancy related protein, putative
253271_s_at	At4g34210	6	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 (At11), putative
249503_at	At5g39310	6	expansin-like protein
256059_at	At1g06990	6	expressed protein
261670_at	At1g18520	6	expressed protein
255956_at	At1g22015	6	Expressed protein
261442_at	At1g28375	6	Expressed protein
246349_at	At1g51915	6	Expressed protein
264187_at	At1g54860	6	expressed protein
260038_at	At1g68875	6	Expressed protein
263627_at	At2g04675	6	Expressed protein
265473_at	At2g15535	6	Expressed protein
265280_at	At2g28355	6	Expressed protein
254762_at	At4g13230	6	Expressed protein
245322_at	At4g14815	6	Expressed protein
254607_at	At4g18920	6	expressed protein
253772_at	At4g28395	6	Expressed protein
253721_at	At4g29250	6	expressed protein
253641_at	At4g29980	6	expressed protein
249939_at	At5g22430	6	expressed protein
246940_at	At5g25400	6	expressed protein
248872_at	At5g46795	6	Expressed protein
248716_at	At5g48210	6	expressed protein
248218_at	At5g53710	6	expressed protein
247546_at	At5g61605	6	Expressed protein
247178_at	At5g65205	6	Expressed protein
246896_at	At5g25550	6	extensin - like protein
262681_at	At1g75890	6	family II extracellular lipase 2 (EXL2)
262674_at	At1g75910	6	family II extracellular lipase 4 (EXL4)

262683_at	At1g75920	6	family II extracellular lipase 5 (EXL5)
262675_at	At1g75930	6	family II extracellular lipase 6 (EXL6)
257691_at	At3g12660	6	fasciclin-like arabinogalactan-protein, family (FLA14)
258267_at	At3g15870	6	fatty acid desaturase family protein
253240_at	At4g34510	6	fatty acid elongase 1 (FAE1), putative
254595_at	At4g18960	6	floral homeotic protein agamous (AGAMOUS)
267295_at	At2g23800	6	geranylgeranyl pyrophosphate synthase (GGPS2/GGPS5)
260773_at	At1g78440	6	gibberellin 2- oxidase (GA2-oxidase) (ga2ox1)
261305_at	At1g48470	6	glutamine synthetase, putative
250561_at	At5g08030	6	glycerophosphodiester phosphodiesterase - like protein
250635_at	At5g07510	6	glycine-rich protein GRP14
250638_at	At5g07540	6	glycine-rich protein GRP16
250636_at	At5g07520	6	glycine-rich protein GRP18
250610_at	At5g07550	6	glycine-rich protein GRP19
250639_at	At5g07560	6	glycine-rich protein GRP20
262697_at	At1g75940	6	glycosyl hydrolase family 1, beta-glucosidase(ATA27)
257170_at	At3g23770	6	glycosyl hydrolase family 17
245622_at	At4g14080	6	glycosyl hydrolase family 17 (anther-specific protein, A6)
245970_at	At5g20710	6	glycosyl hydrolase family 35 (beta-galactosidase)
255958_at	At1g22150	6	high affinity sulphate transporter, putative
265821_at	At2g17950	6	homeodomain transcription factor, WUSCHEL
264180_at	At1g02190	6	hypothetical protein
260909_at	At1g02670	6	hypothetical protein
264827_at	At1g03390	6	hypothetical protein
264603_at	At1g04670	6	hypothetical protein
261462_at	At1g07850	6	hypothetical protein
259527_at	At1g12600	6	hypothetical protein
262836_at	At1g14680	6	hypothetical protein
261468_s_at	At1g28500	6	hypothetical protein
260886_at	At1g29200	6	hypothetical protein
245246_at	At1g44254	6	hypothetical protein
260195_at	At1g67540	6	hypothetical protein
259905_s_at	At1g74140	6	hypothetical protein
261392_at	At1g79780	6	hypothetical protein
263271_s_at	At2g11480	6	hypothetical protein
263611_at	At2g16450	6	hypothetical protein
265803_at	At2g18115	6	hypothetical protein
263245_at	At2g31470	6	hypothetical protein
267643_at	At2g32890	6	hypothetical protein
267449_at	At2g33690	6	hypothetical protein
267633_at	At2g42180	6	hypothetical protein
265881_at	At2g42480	6	hypothetical protein
256259_at	At3g12460	6	hypothetical protein
257726_at	At3g18360	6	hypothetical protein
257256_at	At3g21970	6	hypothetical protein
258294_at	At3g23350	6	hypothetical protein
252493_at	At3g46750	6	hypothetical protein
255530_at	At4g02140	6	hypothetical protein
249150_at	At5g43340	6	inorganic phosphate transporter (dbj BAA34390.1)
257442_at	At2g28680	6	legumin-like protein
247424_at	At5g62850	6	LIM7 - like protein
261673_at	At1g18280	6	lipid transfer protein, putative

256381_at	At1g66850	6	lipid transfer protein, putative
252063_at	At3g51590	6	lipid transfer protein-like protein
246377_at	At1g57550	6	low-temperature-specific protein, putative
246569_at	At5g14980	6	lysophospholipase -like protein
256662_at	At3g11980	6	male sterility protein 2 (MS2)
258195_at	At3g13890	6	myb family transcription factor
248596_at	At5g49330	6	myb family transcription factor
261274_at	At1g26780	6	myb-related protein, putative
253149_at	At4g35650	6	NAD ⁺ dependent isocitrate dehydrogenase -like protein
264882_at	At1g61110	6	NAM protein, putative
263195_at	At1g36150	6	non-specific lipid transfer protein, putative
253862_at	At4g27330	6	NOZZLE SPOROCTELESS
265176_at	At1g23520	6	OBP32pep protein, putative
266654_at	At2g25890	6	oleosin
256827_at	At3g18570	6	oleosin
262949_at	At1g75790	6	pectinesterase (pectin methylesterase) family
253850_at	At4g28090	6	pectinesterase (pectin methylesterase), putative
246136_at	At5g28470	6	peptide transporter - like protein
260757_at	At1g48940	6	phytoeyanin, putative
259719_at	At1g61070	6	plant defensin protein, putative (PDF2.4)
261943_at	At1g80660	6	plasma membrane ATPase, putative
249584_s_at	At5g37810	6	pollen-specific membrane integral protein, putative
264208_at	At1g22760	6	polyadenylate-binding protein 3 (PABP3)
258685_at	At3g07830	6	polygalacturonase, putative
249431_at	At5g39910	6	polygalacturonase, putative
248073_at	At5g55720	6	polysaccharide lyase family 1 (pectate lyase)
245335_at	At4g16160	6	pore protein homolog
253434_at	At4g32500	6	potassium channel - protein
256833_at	At3g22910	6	potential calcium-transporting ATPase 13, plasma membrane-type
267255_at	At2g22950	6	potential calcium-transporting ATPase 7, plasma membrane-type
252160_at	At3g50570	6	proline-rich protein
259063_at	At3g07450	6	putative 5B-anther specific protein
267440_at	At2g19070	6	putative anthranilate N-hydroxycinnamoyl/benzoyltransferase
267150_at	At2g23510	6	putative anthranilate N-hydroxycinnamoyl/benzoyltransferase
265261_at	At2g42990	6	putative APG isolog protein
259975_at	At1g76470	6	putative cinnamoyl-CoA reductase
264039_at	At2g03740	6	putative cold-regulated protein
265945_at	At2g19500	6	putative cytokinin oxidase
263753_at	At2g21490	6	putative dehydrin
265263_at	At2g42940	6	putative DNA binding protein
263754_at	At2g21510	6	putative DnaJ protein
258984_at	At3g08970	6	putative DnaJ protein
267466_at	At2g19010	6	putative GDSL-motif lipase hydrolase
257441_at	At2g04020	6	putative GDSL-motif lipase/hydrolase
258561_at	At3g05960	6	putative hexose transporter
267453_at	At2g33880	6	putative homeodomain transcription factor
267231_at	At2g43900	6	putative inositol polyphosphate 5'-phosphatase
260075_at	At1g73700	6	putative integral membrane protein
258940_at	At3g09930	6	putative lipase acylhydrolase
256398_at	At3g06100	6	putative major intrinsic protein
265181_at	At1g23510	6	putative OBP32pep protein
265163_at	At1g23580	6	putative OBP32pep protein

265180_at	At1g23590	6	putative OBP32pep protein
265164_at	At1g23600	6	putative OBP32pep protein
265552_at	At2g07560	6	putative plasma membrane proton ATPase
267317_at	At2g34700	6	putative proline-rich glycoprotein
252140_at	At3g51070	6	putative protein
251981_at	At3g53080	6	putative protein
251595_at	At3g57620	6	putative protein
251620_at	At3g58060	6	putative protein
254716_at	At4g13560	6	putative protein
257558_s_at	At4g20680	6	putative protein
254104_at	At4g25040	6	putative protein
253846_at	At4g28000	6	putative protein
253652_at	At4g30040	6	putative protein
253258_at	At4g34400	6	putative protein
253195_at	At4g35420	6	putative protein
246242_at	At4g36600	6	putative protein
250902_at	At5g03590	6	putative protein
250219_at	At5g14190	6	putative protein
246586_at	At5g14770	6	putative protein
246551_at	At5g15070	6	putative protein
246526_at	At5g15720	6	putative protein
246416_at	At5g16920	6	putative protein
249428_at	At5g39870	6	putative protein
249401_at	At5g40260	6	putative protein
248880_at	At5g46200	6	putative protein
248824_at	At5g46940	6	putative protein
248350_at	At5g52160	6	putative protein
248354_at	At5g52330	6	putative protein
248355_at	At5g52340	6	putative protein
248278_at	At5g52890	6	putative protein
247941_at	At5g57200	6	putative protein
247824_at	At5g58460	6	putative protein
263087_s_at	At2g16120	6	putative sugar transporter
245086_at	At2g39820	6	putative translation initiation factor
258671_at	At3g08560	6	putative vacuolar ATP synthase subunit E
255861_at	At2g30290	6	putative vacuolar sorting receptor
255580_at	At4g01470	6	putative water channel protein
246418_at	At5g16960	6	quinone oxidoreductase -like protein
245883_at	At5g09500	6	ribosomal protein S15-like
246002_at	At5g20740	6	ripening-related protein - like
264431_at	At1g61700	6	RNA polymerase II subunit (hsRPB10), putative
257275_at	At3g14450	6	RNA-binding protein, putative
262385_at	At1g72960	6	root hair defective, putative
265331_at	At2g18420	6	similar to gibberellin-regulated proteins
253798_at	At4g28500	6	similar to NAM protein, putative
250904_at	At5g03620	6	subtilisin-like serine protease
261169_at	At1g04920	6	sucrose-phosphate synthase, putative
252107_at	At3g51490	6	sugar transporter-like protein
265323_at	At2g18260	6	syntaxin SYP112
257107_at	At3g29070	6	transmembrane trafficking protein, putative
261702_at	At1g32760	6	unknown protein
263369_at	At2g20480	6	unknown protein

266665_at	At2g29790	6	unknown protein
257349_at	At2g30630	6	unknown protein
259376_at	At3g16320	6	unknown protein
258465_at	At3g17220	6	unknown protein
257862_s_at	At3g17720	6	unknown protein
256580_s_at	At3g28820	6	unknown protein
256582_at	At3g28840	6	unknown protein
254033_at	At4g25950	6	V-ATPase G-subunit like protein
253961_at	At4g26440	6	WRKY family transcription factor
257102_at	At3g25050	6	xyloglucan endotransglycosylase, putative
253087_at	At4g36350	7	purple acid phosphatase like protein
245577_at	At4g14780	7	kinase like protein
257850_at	At3g13065	7	leucine-rich repeat transmembrane protein kinase, putative
255765_at	At1g16760	7	protein kinase, putative
257120_at	At3g20200	7	protein kinase, putative
257090_at	At3g20530	7	protein kinase, putative
266199_at	At2g38910	7	putative calcium-dependent protein kinase
250642_at	At5g07180	7	receptor-like protein kinase
261015_at	At1g26480	7	14-3-3 protein GF14 iota (grf12)
267147_at	At2g38240	7	2-oxoglutarate-dependent dioxygenase family
266972_at	At2g39590	7	40S ribosomal protein S15A
261096_at	At1g62940	7	4-coumarate:coenzyme A ligase, putative
257183_at	At3g13220	7	ABC transporter family protein
247736_at	At5g59370	7	actin 4
245232_at	At4g25590	7	actin depolymerizing factor-like protein
258451_at	At3g22360	7	alternative oxidase 1b precursor
260921_at	At1g21540	7	amp-binding protein, putative
261222_at	At1g20120	7	anter-specific proline-rich protein APG precursor, putative
258392_at	At3g15400	7	anther development protein, ATA20
257986_at	At3g20865	7	arabinogalactan-protein, putative (AGP)
249250_at	At5g42340	7	arm repeat containing protein
257508_at	At1g64320	7	bZIP transcription factor, putative
246431_at	At5g17480	7	calcium-binding protein
264112_at	At2g13675	7	callose synthase (1,3-beta-glucan synthase) family
260702_at	At1g32250	7	calmodulin, putative
260518_at	At1g51410	7	cinnamyl alcohol dehydrogenase, putative
255717_at	At4g00350	7	coded for by A. thaliana cDNA H76622
256297_at	At1g69500	7	cytochrome P450, putative
246761_at	At5g27980	7	embryonic abundant protein - like
258645_s_at	At3g07850	7	exopolygalacturonase
261580_at	At1g01110	7	expressed protein
262156_at	At1g52680	7	expressed protein
259693_at	At1g63060	7	expressed protein
265401_at	At2g10970	7	expressed protein
267443_at	At2g19000	7	expressed protein
266550_s_at	At2g35070	7	Expressed protein
251654_at	At3g57140	7	expressed protein
245314_at	At4g16745	7	Expressed protein
254627_at	At4g18395	7	Expressed protein
247897_at	At5g57810	7	expressed protein
256416_at	At3g11050	7	ferritin subunit, putative
259372_at	At1g69120	7	floral homeotic gene APETALA1

251898_at	At3g54340	7	floral homeotic protein APETALA3 (AP3)
255806_at	At4g10260	7	fructokinase - like protein
248924_at	At5g45960	7	GDSL-motif lipase/hydrolase protein
247731_at	At5g59590	7	glucuronosyl transferase - like protein
258767_at	At3g10890	7	glycosyl hydrolase family 5/cellulase
262121_at	At1g02800	7	glycosyl hydrolase family 9 (endo-1,4-beta-glucanase, ATCEL2)
248211_at	At5g54010	7	glycosyltransferase family
245958_at	At5g19610	7	GNOM-like protein
262742_at	At1g28550	7	GTP-binding protein, putative
267447_at	At2g33870	7	GTP-binding protein, putative
255815_at	At1g19890	7	histone H3, putative
256587_at	At3g28780	7	histone-H4-like protein
250915_at	At5g03790	7	homeodomain protein
265215_at	At1g05040	7	hypothetical protein
264564_at	At1g05290	7	hypothetical protein
257489_at	At1g07330	7	hypothetical protein
257402_at	At1g23570	7	hypothetical protein
245741_at	At1g44120	7	hypothetical protein
262998_at	At1g54280	7	hypothetical protein
262179_at	At1g77980	7	hypothetical protein
262936_at	At1g79400	7	hypothetical protein
261396_at	At1g79800	7	hypothetical protein
263092_at	At2g16210	7	hypothetical protein
266773_at	At2g29040	7	hypothetical protein
266132_at	At2g45130	7	hypothetical protein
259265_at	At3g01250	7	hypothetical protein
258968_at	At3g10460	7	hypothetical protein
256445_at	At3g11160	7	hypothetical protein
257255_at	At3g21960	7	hypothetical protein
258344_at	At3g22650	7	hypothetical protein
257921_at	At3g23270	7	hypothetical protein
258129_at	At3g24620	7	hypothetical protein
256581_at	At3g28830	7	hypothetical protein
252623_at	At3g45320	7	hypothetical protein
252061_at	At3g52620	7	hypothetical protein
255715_s_at	At4g00320	7	hypothetical protein
255609_s_at	At4g01180	7	hypothetical protein
251836_at	At3g55190	7	lipase -like protein
255952_at	At1g22130	7	MADS-box protein
266793_at	At2g03060	7	MADS-box protein
267528_at	At2g45650	7	MADS-box protein (AGL6)
248245_at	At5g53190	7	MtN3 protein-like
249349_at	At5g40350	7	myb family transcription factor
245643_at	At1g25340	7	myb-related transcription factor (cpm7), putative
251564_at	At3g58160	7	myosin heavy chain MYA3
254419_at	At4g21490	7	NADH dehydrogenase like protein
256857_at	At3g15170	7	NAM-like protein
247951_at	At5g57240	7	oxysterol-binding protein-like
248812_at	At5g47330	7	palmitoyl-protein thioesterase precursor-like
265080_at	At1g55570	7	pectinesterase (pectin methylesterase) family
256955_at	At3g13390	7	pectinesterase (pectin methylesterase) family
250606_s_at	At5g07410	7	pectinesterase family

250608_at	At5g07420	7	pectinesterase family
259044_at	At3g03430	7	pollen allergen Bra r II
249536_at	At5g38760	7	pollen coat -like protein
251258_at	At3g62170	7	pollen-specific pectin esterase, putative
256307_at	At1g30350	7	polysaccharide lyase family 1 (pectate lyase)
266697_at	At2g19770	7	profilin 4
252161_at	At3g50580	7	proline-rich protein
264614_s_at	At1g04580	7	putative aldehyde oxidase
258732_at	At3g05820	7	putative alkaline/neutral invertase
263718_at	At2g13570	7	putative CCAAT-box binding transcription factor
263363_at	At2g03850	7	putative cold-regulated protein
262595_at	At1g15360	7	putative ethylene responsive element
264395_at	At1g12070	7	putative GDP-dissociation inhibitor
255101_at	At4g08670	7	putative lipid transfer protein
252571_at	At3g45280	7	putative protein
251569_at	At3g58290	7	putative protein
251433_at	At3g59830	7	putative protein
251339_at	At3g60780	7	putative protein
254917_at	At4g11350	7	putative protein
253781_at	At4g28580	7	putative protein
253661_at	At4g30130	7	putative protein
253356_at	At4g33390	7	putative protein
252914_at	At4g39130	7	putative protein
250997_at	At5g02570	7	putative protein
250677_at	At5g06520	7	putative protein
250535_at	At5g08480	7	putative protein
250036_at	At5g18340	7	putative protein
245946_at	At5g19580	7	putative protein
249468_at	At5g39650	7	putative protein
248831_at	At5g47160	7	putative protein
247512_at	At5g61720	7	putative protein
247122_at	At5g66020	7	putative protein
247055_at	At5g66740	7	putative protein
258278_at	At3g26860	7	putative self-incompatibility protein
267253_at	At2g22960	7	putative serine carboxypeptidase I
249649_at	At5g37060	7	putative transporter protein
256261_at	At3g12160	7	ras-related GTP-binding protein, putative
259286_at	At3g11480	7	S-adenosyl-L-methionine:carboxyl methyltransferase family
267250_at	At2g23060	7	similar to hookless1 (HLS1)
265379_at	At2g18340	7	similar to late embryogenesis abundant proteins
267458_at	At2g33670	7	similar to Mlo proteins from <i>H. vulgare</i>
259451_at	At1g13890	7	synaptosomal associated protein (SNAP25A), putative
259986_at	At1g75050	7	thaumatin-like protein
258258_at	At3g26790	7	transcriptional regulator (FUSCA3)
247639_s_at	At5g60500	7	undecaprenyl pyrophosphate synthetase (UPP synthetase) family
264320_at	At1g04090	7	unknown protein
261171_at	At1g04880	7	unknown protein
260158_at	At1g79910	7	unknown protein
263360_at	At2g03830	7	unknown protein
267527_at	At2g45610	7	unknown protein
259262_at	At3g01020	7	unknown protein
256975_at	At3g21000	7	unknown protein

256588_at	At3g28790	7	unknown protein
258058_at	At3g28980	7	unknown protein
248752_at	At5g47600	7	unknown protein
257737_at	At3g27440	7	uridine kinase/uracil phosphoribosyl transferas, putative
247928_at	At5g57320	7	villin
252212_at	At3g50310	8	protein kinase -like protein
265216_at	At1g05100	8	putative NPK1-related MAP kinase
260116_at	At1g33960	8	AIG1
249541_at	At5g38130	8	anthranilate N-benzoyltransferase -like protein
259368_at	At1g69100	8	aspartic protease, putative
257460_at	At1g75580	8	auxin induced protein, putative
258082_at	At3g25905	8	CLE27, putative
267129_at	At2g23380	8	curly leaf protein (polycomb-group)
251838_at	At3g54940	8	cysteine proteinase
252897_at	At4g39490	8	cytochrome P450 - like protein
251301_at	At3g61880	8	cytochrome p450 (CYP78A9)
252674_at	At3g44250	8	cytochrome p450 family
251988_at	At3g53300	8	cytochrome p450 family
249012_at	At5g44620	8	cytochrome p450 family
256782_at	At3g13660	8	disease resistance responseprotein-related/ dirigentprotein-related
261088_at	At1g07590	8	DNA-binding protein, putative
260124_at	At1g36340	8	E2, ubiquitin-conjugating enzyme, putative
264499_at	At1g30795	8	Expressed protein
263713_at	At2g20595	8	Expressed protein
258370_at	At3g14395	8	Expressed protein
245717_at	At5g33390	8	Expressed protein
249179_at	At5g42955	8	Expressed protein
261623_at	At1g01980	8	FAD-linked oxidoreductase family
263215_at	At1g30710	8	FAD-linked oxidoreductase family
254459_at	At4g21200	8	gibberellin 20-oxidase family
266270_at	At2g29470	8	glutathione transferase, putative
246096_at	At5g20330	8	glycosyl hydrolase family 17 (beta-1,3-glucanase bg4)
246123_at	At5g20390	8	glycosyl hydrolase family 17 (beta-1,3-glucanase)
252555_at	At3g45940	8	glycosyl hydrolase family 31
267398_at	At2g44560	8	glycosyl hydrolase family 9
261243_at	At1g20180	8	hypothetical protein
265158_at	At1g31040	8	hypothetical protein
259809_at	At1g49800	8	hypothetical protein
261313_at	At1g52970	8	hypothetical protein
264241_at	At1g54840	8	hypothetical protein
257439_at	At2g17000	8	hypothetical protein
257350_x_at	At2g19040	8	hypothetical protein
265625_at	At2g27240	8	hypothetical protein
245158_at	At2g33130	8	hypothetical protein
265854_at	At2g42370	8	hypothetical protein
258798_at	At3g04540	8	hypothetical protein
252330_at	At3g48770	8	hypothetical protein
254647_at	At4g18540	8	hypothetical protein
254597_at	At4g18980	8	hypothetical protein
264151_at	At1g02070	8	hypothetical protein predicted by genefinder
248020_at	At5g56490	8	hypothetical protein common family
259187_at	At3g01530	8	myb family transcription factor

249632_at	At5g37170	8	O-methyltransferase, family 2 family
257886_at	At3g17060	8	pectinesterase family
264863_at	At1g24110	8	peroxidase, putative
249560_at	At5g38330	8	plant defensin-fusion protein, putative
266558_at	At2g23900	8	polygalacturonase, putative
262779_at	At1g13070	8	pseudogene, putative cytochrome P450 monooxygenase
259601_s_at	At2g11060	8	pseudogene, TNP1-like transposon protein
260193_at	At1g67640	8	putative amino acid permease
265200_s_at	At2g36790	8	putative glucosyl transferase
264453_at	At1g10300	8	putative GTP-binding protein
251698_at	At3g56610	8	putative protein
266029_at	At2g05850	8	putative serine carboxypeptidase II
265878_at	At2g42410	8	putative SUPERMAN-like C2H2 zinc finger transcription factor
250795_at	At5g05280	8	RING zinc finger protein-like
245982_at	At5g13170	8	senescence-associated protein (SAG29)
260386_at	At1g74010	8	strictosidine synthase family
249760_at	At5g23960	8	terpene synthase/cyclase family
255489_at	At4g02650	8	unknown protein
249157_at	At5g43510	8	unknown protein
254598_at	At4g18990	8	xyloglucan endotransglycosylase, putative
264549_at	At1g09440	9	putative ser/thr protein kinase
254009_at	At4g26390	9	pyruvate kinase like protein
249381_at	At5g40040	9	acidic ribosomal protein P2 -like
265829_at	At2g14490	9	ARF GTPase-activating domain-containing protein
245465_at	At4g16590	9	cellulose synthase like protein
257835_at	At3g25180	9	cytochrome p450 family
259429_at	At1g01600	9	cytochrome P450, putative
260241_at	At1g63710	9	cytochrome P450, putative
258962_at	At3g10570	9	cytochrome p450, putative
263982_at	At2g42860	9	expressed protein
262795_at	At1g13130	9	glycosyl hydrolase family 5/cellulase
259390_at	At1g06340	9	hypothetical protein
259526_at	At1g12570	9	hypothetical protein
259917_at	At1g72580	9	hypothetical protein
261773_at	At1g76250	9	hypothetical protein
265860_at	At2g01810	9	hypothetical protein
267156_at	At2g37610	9	hypothetical protein
257210_at	At3g14950	9	hypothetical protein
257161_at	At3g24280	9	hypothetical protein
248275_at	At5g53520	9	isp4 protein
254622_at	At4g18375	9	KH domain protein
256544_at	At1g42560	9	Mlo-like protein
260433_at	At1g68170	9	MtN21-like protein
259432_at	At1g01520	9	myb family transcription factor
245842_at	At1g58430	9	proline-rich protein, putative
261752_at	At1g76290	9	putative AMP-binding protein
264016_at	At2g21220	9	putative auxin-regulated protein
266475_at	At2g31100	9	putative lipase
255369_at	At4g04080	9	putative NifU-like metallocluster assembly factor
255666_at	At4g00390	9	putative protein
254956_at	At4g10850	9	putative protein
254028_s_at	At4g25860	9	putative protein

252910_at	At4g39590	9	putative protein
250251_at	At5g13670	9	putative protein
246687_at	At5g33370	9	putative protein
248314_at	At5g52620	9	putative protein
257493_at	At1g48180	9	unknown protein
258503_at	At3g02500	9	unknown protein
248894_at	At5g46320	9	unknown protein