

Table S1. Accession numbers for all sequences used in the main figures of this study. Databases: Phyto: Phytozome at <https://Phyto.jgi.doe.gov/pz/portal.html> ; OneKP: http://www.onekp.com/public_data.html; SGN: Sol Genomics Network; UdeA: Universidad de Antioquia.

ALCATRAZ/SPATULA genes				
Gene name	Species	Family	Accession Number	Database
<i>AmtrSPT</i>	<i>Amborella trichopoda</i>	Amborellaceae	evm_27.model.AmTr_v1.0_scaf fold00046.26	Phyto
<i>AtbeALC1</i>	<i>Atropa belladonna</i>	Solanaceae	BOLZ-2009637	OneKp
<i>AtbeALC2</i>	<i>Atropa belladonna</i>	Solanaceae	BOLZ-2009636	OneKp
<i>AtbeSPT</i>	<i>Atropa belladonna</i>	Solanaceae	BOLZ-2039914	OneKp
<i>BrauALC</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN25935_c0_g1_i1	UdeA
<i>BrauSPT</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN25934_c3_g1_i1	UdeA
<i>BrsuALC</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN18572_c0_g1_i2	UdeA
<i>BrsuSPT</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN15730_c0_g1_i3	UdeA
<i>CaanBpALC</i>	<i>Capsicum annuum cv. Black pearl</i>	Solanaceae	<i>Unassigned code</i>	UdeA
<i>CaanGLALC</i>	<i>Capsicum annuum var. glabriusculum</i>	Solanaceae	Capang04g000533	SGN
<i>CaanGISPT</i>	<i>Capsicum annuum var. glabriusculum</i>	Solanaceae	Capang02g002787	SGN
<i>CaanBpSPT</i>	<i>Capsicum annuum cv. Black pearl</i>	Solanaceae	<i>Unassigned code</i>	UdeA
<i>CaanZuALC</i>	<i>Capsicum annuum Zunla</i>	Solanaceae	Capana04g000590	SGN
<i>CaanZuSPT</i>	<i>Capsicum annuum Zunla</i>	Solanaceae	Capana02g003079	SGN
<i>CenoALC</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN23456_c0_g1_i1	UdeA
<i>CenoSPT</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN28823_c1_g2_i1	UdeA
<i>DameALC</i>	<i>Datura metel</i>	Solanaceae	JNVS-2048363	OneKp
<i>DameSPT</i>	<i>Datura metel</i>	Solanaceae	JNVS-2035866	OneKp
<i>LychALC</i>	<i>Lycopersicon cheesmanii</i>	Solanaceae	UGJI-2021566	OneKp
<i>LyspALC</i>	<i>Lycium sp</i>	Solanaceae	OSMU-2078921	OneKp
<i>LybaALC</i>	<i>Lycium barbarum</i>	Solanaceae	LWCK-2014040	OneKp
<i>NibeALC1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf04995g00002.1	SGN
<i>NibeALC3</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf12132g00007.1	SGN
<i>NibeALC2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf00868g07004.1	SGN
<i>NibeSPT1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf01802g02017.1	SGN
<i>NibeSPT2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf04003g05003.1	SGN
<i>NiobALC</i>	<i>Nicotiana obtusifolia</i>	Solanaceae	<i>Unassigned code</i>	UdeA
<i>NiobSPT</i>	<i>Nicotiana obtusifolia</i>	Solanaceae	<i>Unassigned code</i>	UdeA
<i>NiotALC</i>	<i>Nicotiana otophora</i>	Solanaceae	Noto_AWOL01S0531733.1	SGN
<i>NsylALC</i>	<i>Nicotiana glauca</i>	Solanaceae	mRNA_74493_cds	SGN

<i>NsylSPT1</i>	<i>Nicotiana glauca</i>	Solanaceae	mRNA_20420_cds	SGN
<i>NsylSPT2</i>	<i>Nicotiana glauca</i>	Solanaceae	mRNA_20421_cds	SGN
<i>NitaBxALC2</i>	<i>Nicotiana tabacum BX (Basma Xanthi, Oriental)</i>	Solanaceae	mRNA_57026_cds	SGN
<i>NitaBxALC1</i>	<i>Nicotiana tabacum BX (Basma Xanthi, Oriental)</i>	Solanaceae	mRNA_89420_cds	SGN
<i>NitaBxSPT2</i>	<i>Nicotiana tabacum BX (Basma Xanthi, Oriental)</i>	Solanaceae	mRNA_145507_cds	SGN
<i>NitaBxSPT1</i>	<i>Nicotiana tabacum BX (Basma Xanthi, Oriental)</i>	Solanaceae	mRNA_145508_cds	SGN
<i>NitaBxSPT3</i>	<i>Nicotiana tabacum BX (Basma Xanthi, Oriental)</i>	Solanaceae	mRNA_124703_cds	SGN
<i>NitaKALC1</i>	<i>Nicotiana tabacum K326 (Flue-cured)</i>	Solanaceae	mRNA_62305_cds	SGN
<i>NitaKALC2</i>	<i>Nicotiana tabacum K326 (Flue-cured)</i>	Solanaceae	mRNA_57185_cds	SGN
<i>NitaKSPT2</i>	<i>Nicotiana tabacum K326 (Flue-cured)</i>	Solanaceae	mRNA_1788_cds	SGN
<i>NitaKSPT3</i>	<i>Nicotiana tabacum K326 (Flue-cured)</i>	Solanaceae	mRNA_123690_cds	SGN
<i>NitaKSPT1</i>	<i>Nicotiana tabacum K326 (Flue-cured)</i>	Solanaceae	mRNA_1787_cds	SGN
<i>NitaTnALC1</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_181946	SGN
<i>NitaTnALC2</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_67992	SGN
<i>NitaTnSPT2</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_5120	SGN
<i>NitaTnSPT1</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_5119	SGN
<i>NitaTnSPT3</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_152209	SGN
<i>NitaTnSPT4</i>	<i>Nicotiana tabacum TN90 (Burley)</i>	Solanaceae	mRNA_152208	SGN
<i>NitoALC</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_6688_cds	SGN
<i>NitoSPT1</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_26330_cds	SGN
<i>NitoSPT2</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_26331_cds	SGN
<i>SoduALC</i>	<i>Solanum dulcamara</i>	Solanaceae	GHLP-2055933	OneKp
<i>SoduSPT</i>	<i>Solanum dulcamara</i>	Solanaceae	GHLP-2034809	OneKp
<i>SolaALC</i>	<i>Solanum lasiophyllum</i>	Solanaceae	DLAI-2016414	OneKp
<i>SlyALC</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc04g078690.2.1	SGN
<i>SlySPT</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc02g093280.2.1	SGN
<i>StjaALC</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN88165_c0_g1_i1	UdeA
<i>StjaSPT1</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN57268_c0_g1_i1	UdeA
<i>StjaSPT2</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN57268_c0_g2_i1	UdeA
<i>StjaSPT3</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN57328_c0_g1_i1	UdeA
<i>StjaSPT4</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN57328_c0_g2_i1	UdeA
<i>StuALC1</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400020534	Phyto
<i>StuSPT1</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400010253	Phyto
<i>PeaxALC</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00503g00311.1	SGN
<i>PeaxSPT</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00450g00124.1	SGN
<i>PeinALC</i>	<i>Petunia infata</i>	Solanaceae	Peinf101Scf00167g11027.1	SGN

<i>PeinSPT</i>	<i>Petunia infata</i>	Solanaceae	Peinf101Scf00887g01035.1	SGN
<i>SomeALC</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_01029.1	SGN
<i>SomeSPT</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_00029.1_g00003.1	SGN
<i>StuALC</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400020534	Phyto
<i>StuSPT</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400010253	Phyto
<i>SomeALC</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_01029.1_g00003.1	SGN
<i>AtALC</i>	<i>Arabidopsis thaliana</i>	Brassicaceae	AT5G67110.1	Phyto
<i>AtSPT</i>	<i>Arabidopsis thaliana</i>	Brassicaceae	AT4G36930.1	Phyto
<i>PPERSPT</i>	<i>Prunus persica</i>	Rosaceae	GU181270.1	GenBank
<i>FaSPT</i>	<i>Fragaria (Fragaria x ananassa Duch)</i>	Rosaceae	AY679615.1	GenBank
HECATE/INDEHISCENT genes				
<i>AtHEC1</i>	<i>Arabidopsis thaliana columbia</i>	Brassicaceae	AT5G67060.1	Phyto
<i>AtHEC2</i>	<i>Arabidopsis thaliana columbia</i>	Brassicaceae	AT3G50330.1	Phyto
<i>AtHEC3</i>	<i>Arabidopsis thaliana columbia</i>	Brassicaceae	AT5G09750.1	Phyto
<i>AtIND</i>	<i>Arabidopsis thaliana columbia</i>	Brassicaceae	AT4G00120.1	Phyto
<i>AmtrbHLH87</i>	<i>Amborella trichopoda</i>	Amborellaceae	evm_27.model.AmTr_v1.0_scaf fold00036.88	Phyto
<i>BrauHEC1</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN63683_c0_g1_i1	UdeA
<i>BrauHEC3</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN39092_c0_g1_i1 / TRINITY_DN49723_c0_g1_i1	UdeA
<i>BrsuHEC2</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN11677_c0_g1_i1	UdeA
<i>CaanCmHEC1</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA02g14320	SGN
<i>CaanCmHEC2</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA04g18570	SGN
<i>CaanCmHEC2-1</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA12g16720	SGN
<i>CaanCmHEC3</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA12g12200	SGN
<i>CaanGIHEC1</i>	<i>Capsicum annuum glabriusculum</i>	Solanaceae	Capang04g000508	SGN
<i>CaanGIHEC2</i>	<i>Capsicum annuum glabriusculum</i>	Solanaceae	Capang00g005044	SGN
<i>CaanGIHEC2-1</i>	<i>Capsicum annuum glabriusculum</i>	Solanaceae	Capang02g002798	SGN
<i>CaanGIHEC3</i>	<i>Capsicum annuum glabriusculum</i>	Solanaceae	Capang05g001661	SGN
<i>CaanZuHEC1</i>	<i>Capsicum annuum zunla</i>	Solanaceae	Capana04g000560	SGN
<i>CaanZuHEC2</i>	<i>Capsicum annuum zunla</i>	Solanaceae	Capana12g000725	SGN
<i>CaanZuHEC2-1</i>	<i>Capsicum annuum zunla</i>	Solanaceae	Capana02g003089	SGN
<i>CaanZuHEC3</i>	<i>Capsicum annuum zunla</i>	Solanaceae	Capana12g002036	SGN
<i>CenoHEC1</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN56773_c0_g1_i1	UdeA
<i>CenoHEC2</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN52324_c0_g1_i1	UdeA
<i>CenoHEC3a</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN51720_c0_g1_i1	UdeA
<i>CenoHEC3b</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN9705_c0_g1_i1	UdeA
<i>DameHEC1</i>	<i>Datura metel</i>	Solanaceae	JNVS-2028087	OneKP

<i>LychHEC1</i>	<i>Lycopersicon cheesmanii</i>	Solanaceae	UGJI-2070875	OneKP
<i>LyspHEC2</i>	<i>Lycium sp</i>	Solanaceae	OSMU-2025308	OneKP
<i>LyspHEC3</i>	<i>Lycium sp</i>	Solanaceae	OSMU-2053989	OneKP
<i>NibeHEC1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf23305g01001.1	SGN
<i>NibeHEC1-1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf06518g02008.1	SGN
<i>NibeHEC1-2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf00378g03005.1	SGN
<i>NibeHEC1-3</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf02681g01005.1	SGN
<i>NibeHEC2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf04995g05002.1	SGN
<i>NibeHEC2-1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf06261g01001.1	SGN
<i>NibeHEC2-2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf04007g05007.1	SGN
<i>NibeHEC3</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf00446g05004.1	SGN
<i>NibeHEC3-1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf03882g01003.1	SGN
<i>NsylHEC1</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_43474	SGN
<i>NsylHEC1-1</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_38933_cds	SGN
<i>NsylHEC2</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_38932_cds	SGN
<i>NsylHEC2-1</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_1417	SGN
<i>NsylHEC2-2</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_68279	SGN
<i>NsylHEC3</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_20419	SGN
<i>NitaBxHEC2</i>	<i>Nicotiana tabacum BX</i>	Solanaceae	mRNA_34319_cds	SGN
<i>NitaBxHEC2-1</i>	<i>Nicotiana tabacum BX</i>	Solanaceae	mRNA_76763	SGN
<i>NitaBxHEC2-2</i>	<i>Nicotiana tabacum BX</i>	Solanaceae	mRNA_143639	SGN
<i>NitaKHEC2</i>	<i>Nicotiana tabacum K326</i>	Solanaceae	mRNA_113024_cds	SGN
<i>NitaKHEC2-1</i>	<i>Nicotiana tabacum K326</i>	Solanaceae	mRNA_113025_cds	SGN
<i>NitaKHEC2-2</i>	<i>Nicotiana tabacum K326</i>	Solanaceae	mRNA_62314_cds	SGN
<i>NitaKHEC2-3</i>	<i>Nicotiana tabacum K326</i>	Solanaceae	mRNA_33516_cds	SGN
<i>NitaTnHEC1</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_146533	SGN
<i>NitaTnHEC2</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_16338	SGN
<i>NitaTnHEC3</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_151510	SGN
<i>NitaTnHEC3-1</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_12399	SGN
<i>NitoHEC2</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_68030	SGN
<i>NitoHEC2-1</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_68029	SGN
<i>NitoHEC3</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	mRNA_48928	SGN
<i>PeaxHEC2</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00458g00320.1	SGN
<i>PeaxHEC2-1</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf01073g00009.1	SGN
<i>PeaxHEC3</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00012g00161.1	SGN
<i>PeinHEC1</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00713g00005.1	SGN
<i>PeinHEC1-1</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00167g09003.1	SGN

<i>PeinHEC2</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00475g19014.1	SGN
<i>PeinHEC2-1</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00811g00011.1	SGN
<i>PeinHEC3</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00652g02001.1	SGN
<i>SlyHEC1</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc02g090950.1.1	Phyto
<i>SlyHEC1-1</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc04g078790.2.1	Phyto
<i>SlyHEC2</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc03g044460.1.1	Phyto
<i>SlyHEC2-1</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc12g088790.1.1	Phyto
<i>SlyHEC3</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc11g005780.1.1	Phyto
<i>SomeHEC1</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_03422.1_g00002.1	SGN
<i>SomeHEC1-1</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_13814.1_g00002.1	SGN
<i>SomeHEC2</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_09326.1_g00003.1	SGN
<i>SomeHEC3</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_01618.1_g00007.1	SGN
<i>StjaHEC1</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN14891_c0_g2_i1	UdeA
<i>StjaHEC2</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN29940_c0_g1_i1/ TRINITY_DN56310_c0_g1_i1	UdeA
<i>StjaHEC3</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN8155_c0_g1_i1	UdeA
<i>StuHEC1</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400010344	Phyto
<i>StuHEC1-1</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400020558	Phyto
<i>StuHEC2</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400048857	Phyto
<i>StuHEC3</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMT400073760	Phyto
REPLUMLESS genes				
<i>RPL</i>	<i>Arabidopsis thaliana</i>	Brassicaceae	At5g02030	Phyto
<i>BrauRPL1</i>	<i>Brunfelsia australis</i>	Solanaceae	DN33435 i3	UdeA
<i>BrauRPL2</i>	<i>Brunfelsia australis</i>	Solanaceae	DN28660 i2	UdeA
<i>BrsuRPL1</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN26133_c4_g1_i2	UdeA
<i>BrsuRPL2</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN22441_c1_g1_i2	UdeA
<i>CaanRPL1</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA10g05080	SGN
<i>CaanRPL2</i>	<i>Capsicum annuum cv CM334</i>	Solanaceae	CA00g18370	SGN
<i>CaanGRPL</i>	<i>Capsicum annuum var. Glabriscum</i>	Solanaceae	Capana10g001172	SGN
<i>CaanZRPL</i>	<i>Capsicum annuum var. Zunla</i>	Solanaceae	Capana10g001383	SGN
<i>CenoRPL2-1</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN22827_c0_g1_i1	UdeA
<i>CenoRPL2-2</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN22827_c0_g1_i2	UdeA
<i>LybaRPL1</i>	<i>Lycium barbarum</i>	Solanaceae	LWCK-2075139	OneKP
<i>LybaRPL2</i>	<i>Lycium barbarum</i>	Solanaceae	LWCK-2009336	OneKP
<i>LychRPL1</i>	<i>Lycopersicon cheesmaniae</i>	Solanaceae	UGJI-2003766	OneKP
<i>LychRPL2</i>	<i>Lycopersicon cheesmaniae</i>	Solanaceae	UGJI-2121697	OneKP
<i>LyspRPL1</i>	<i>Lycium sp.</i>	Solanaceae	OSMU-2076426	OneKP
<i>LyspRPL2</i>	<i>Lycium sp.</i>	Solanaceae	OSMU-2074624/OSMU-2078894	OneKP
<i>NitaRPL1</i>	<i>Nicotiana tabacum</i>	Solanaceae	mRNA_111768	SGN
<i>NitaRPL2</i>	<i>Nicotiana tabacum</i>	Solanaceae	mRNA_129668_cds	SGN
<i>NsylRPL1</i>	<i>Nicotiana sylvestris</i>	Solanaceae	MKZR-2004973/mRNA_6435_cds	OneKP/ SGN

<i>NsylRPL2</i>	<i>Nicotiana sylvestris</i>	Solanaceae	MKZR-2017542	OneKP
<i>PeaxRPL1</i>	<i>Petunia axillaris</i>	Solanaceae	Peaxi162Scf00318g00211.1	SGN
<i>PeaxRPL2</i>	<i>Petunia axillaris</i>	Solanaceae	Peaxi162Scf00014g01719.1	SGN
<i>PeinRPL1</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00144g03023.1	SGN
<i>PeinRPL2</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00144g03023.1	SGN
<i>SoduRPL1</i>	<i>Solanum dulcamara</i>	Solanaceae	GHLP-2006410	OneKP
<i>SoduRPL2</i>	<i>Solanum dulcamara</i>	Solanaceae	GHLP-2059273	OneKP
<i>SomeRPL1</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_00970.1_g00001.1	SGN
<i>SomeRPL2</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_00970.1_g00001.1	SGN
<i>StjaRPL</i>	<i>Streptosolen jamesonii</i>	Solanaceae	DN10896_c0_g1_i1	UdeA
<i>SolaRPL1</i>	<i>Solanum lasiophyllum</i>	Solanaceae	DLAI-2004919	OneKP
<i>SolaRPL2</i>	<i>Solanum lasiophyllum</i>	Solanaceae	DLAI-2002365	OneKP
<i>SlyRPL1</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc10g086640.1	Phyto
<i>SlyRPL2</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc09g011380.2	Phyto
<i>SopeRPL1</i>	<i>Solanum pennellii</i>	Solanaceae	Sopen10g036050	SGN
<i>SopeRPL2</i>	<i>Solanum pennellii</i>	Solanaceae	Sopen09g006110	SGN
<i>SopiRPL1</i>	<i>Solanum pimpinellifolium</i>	Solanaceae	Sopim10g086640.0.1	SGN
<i>SopiRPL2</i>	<i>Solanum pimpinellifolium</i>	Solanaceae	Sopim09g011380.0.1	SGN
<i>SoptRPL1</i>	<i>Solanum ptychanthum</i>	Solanaceae	DLJZ-2053145	OneKP
<i>SoptRPL2</i>	<i>Solanum ptychanthum</i>	Solanaceae	DLJZ-2001908	OneKP
<i>SosiRPL</i>	<i>Solanum sisymbriifolium</i>	Solanaceae	NMDZ-2079258	OneKP
<i>StuRPL1</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMG400019142	Phyto
<i>StuRPL2</i>	<i>Solanum tuberosum</i>	Solanaceae	PGSC0003DMG400020824	Phyto
<i>SoxaRPL1</i>	<i>Solanum xanthocarpum</i>	Solanaceae	LQJY-2082190	OneKP
<i>SoxaRPL2</i>	<i>Solanum xanthocarpum</i>	Solanaceae	LQJY-2082447	OneKP
AGAMOUS/SHATTERPROOF genes				
<i>AtbeAG</i>	<i>Atropa belladonna</i>	Solanaceae	BOLZ-2039454	OneKp
<i>AtbeSHP</i>	<i>Atropa belladonna</i>	Solanaceae	BOLZ-2021153	OneKp
<i>BrauAG</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN11345_c0_g1_i1	UdeA
<i>BrauSHP</i>	<i>Brunfelsia australis</i>	Solanaceae	TRINITY_DN16015_c0_g1_i1	UdeA
<i>BrsuAG</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN17449_c0_g1_i1	UdeA
<i>BrsuSHP1</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN18197_c0_g1_i1	UdeA
<i>BrsuSHP2</i>	<i>Brugmansia suaveolens</i>	Solanaceae	TRINITY_DN18197_c0_g1_i3	UdeA
<i>CaanGIAG</i>	<i>Capsicum annuum var. glabriusculum</i>	Solanaceae	Capang02g001521	SGN
<i>CaanZuAG</i>	<i>Capsicum annuum Zunla</i>	Solanaceae	Capana02g001695	SGN
<i>CaanZuSHP</i>	<i>Capsicum annuum Zunla</i>	Solanaceae	Capana07g001940	SGN
<i>CaanCmAG1</i>	<i>Capsicum annuum CM334</i>	Solanaceae	CAG12980	SGN
<i>CaanCmAG2</i>	<i>Capsicum annuum CM334</i>	Solanaceae	CAG12970	SGN
<i>CaanCmAG3</i>	<i>Capsicum annuum CM334</i>	Solanaceae	CAG12960	SGN
<i>CaanAG</i>	<i>Capsicum annuum</i>	Solanaceae	HM565943	NCBI
<i>CaanSHP1</i>	<i>Capsicum annuum CM334</i>	Solanaceae	Ca07g15230	SGN
<i>CaanSHP2</i>	<i>Capsicum annuum CM334</i>	Solanaceae	Ca07g15240	SGN
<i>CenoAG</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN17812_c0_g1_i2	UdeA
<i>CenoSHP</i>	<i>Cestrum nocturnum</i>	Solanaceae	TRINITY_DN27323_c0_g1_i2	UdeA
<i>LybaAG</i>	<i>Lycium barbarum</i>	Solanaceae	LWCK-2076050	OneKp

<i>LybaSHP</i>	<i>Lycium barbarum</i>	Solanaceae	LWCK-2006633	OneKp
<i>LyspAG</i>	<i>Lycium sp</i>	Solanaceae	OSMU-2011751	OneKp
<i>LyspSHP</i>	<i>Lycium sp</i>	Solanaceae	OSMU-2077894	OneKp
<i>NiatAG1</i>	<i>Nicotiana attenuata</i>	Solanaceae	XM019377632	NCBI
<i>NiatAG2</i>	<i>Nicotiana attenuata</i>	Solanaceae	XM019377633	NCBI
<i>NiatAG3</i>	<i>Nicotiana attenuata</i>	Solanaceae	XM019377634	NCBI
<i>NiatAG4</i>	<i>Nicotiana attenuata</i>	Solanaceae	XM019377635	NCBI
<i>NibeAG1</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf07812g00015.1	SGN
<i>NibeAG1-2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf07812g00015.1	SGN
<i>NibeAG2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf12205g00011.1	SGN
<i>NbSHP</i>	<i>Nicotiana benthamiana</i>	Solanaceae	JQ699178	NCBI
<i>NibeSHP2</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf07678g019	SGN
<i>NibeSHP3</i>	<i>Nicotiana benthamiana</i>	Solanaceae	Niben101Scf07678g017	SGN
<i>NsylaAG1</i>	<i>Nicotiana sylvestris</i>	Solanaceae	XM009804457	NCBI
<i>NsylaAG2</i>	<i>Nicotiana sylvestris</i>	Solanaceae	XM009804458	NCBI
<i>NsylaAG3</i>	<i>Nicotiana sylvestris</i>	Solanaceae	XM009804459	NCBI
<i>NsylaSHP</i>	<i>Nicotiana sylvestris</i>	Solanaceae	mRNA_61687_cds	SGN
<i>NitaTAG1</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_92225_cds	SGN
<i>NitaTAG2</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_73080_cds	SGN
<i>NitaSHP1</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_80028_cds	SGN
<i>NitaSHP2</i>	<i>Nicotiana tabacum TN90</i>	Solanaceae	mRNA_12687_cds	SGN
<i>NitoAG1</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	XM009588425	NCBI
<i>NitoAG2</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	XM009588426	NCBI
<i>NitoAG3</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	XM009588427	NCBI
<i>NitoAG4</i>	<i>Nicotiana tomentosiformis</i>	Solanaceae	XM009588428	NCBI
<i>PeaxAG1</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00022g00098.1	SGN
<i>PeaxAG2</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00022g00098.1	SGN
<i>PeaxSHP1</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00154	SGN
<i>PeaxSHP2</i>	<i>Petunia axilaris</i>	Solanaceae	Peaxi162Scf00020g02338.1	SGN
<i>PeinAG</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00304	SGN
<i>PeinSHP</i>	<i>Petunia inflata</i>	Solanaceae	Peinf101Scf00434	SGN
<i>FBP6</i>	<i>Petunia hybrida</i>	Solanaceae	AY370525	NCBI
<i>SolaAG</i>	<i>Solanum lasiophyllum</i>	Solanaceae	DLAI-2096845	OneKp
<i>TAG1</i>	<i>Solanum lycopersicum</i>	Solanaceae	Solyc02g071730.3.1	SGN
<i>TAGL1</i>	<i>Solanum lycopersicum</i>	Solanaceae		SGN
<i>SomeAG1</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_04194.1_g00003.1	SGN
<i>SomeSHP</i>	<i>Solanum melongena</i>	Solanaceae	Sme2.5_00135.1_g00012.1	SGN
<i>SopeAG</i>	<i>Solanum penelli</i>	Solanaceae	Sopen02g020720	SGN
<i>SopeSHP</i>	<i>Solanum penelli</i>	Solanaceae	Sopen07g029280	SGN
<i>SopiSHP</i>	<i>Solanum pinpinellifolium</i>	Solanaceae	Contig_2909188	SGN
<i>SoptAG</i>	<i>Solanum ptychanthum</i>	Solanaceae	DLJZ-2010704	OneKp
<i>SoptSHP</i>	<i>Solanum ptychanthum</i>	Solanaceae	DLJZ-2002925	OneKp
<i>StuAG1</i>	<i>Solanum tuberosum</i>	Solanaceae	Sotub02g018200.1.1	SGN
<i>StuSHP1</i>	<i>Solanum tuberosum</i>	Solanaceae	Sotub07g023200.1.1	SGN
<i>StuSHP2</i>	<i>Solanum tuberosum</i>	Solanaceae	Sotub07g023190.1.1	SGN
<i>StuSHP3</i>	<i>Solanum tuberosum</i>	Solanaceae	Sotub07g023191.1.1	SGN

<i>SoxaAG1</i>	<i>Solanum xanthocarpum</i>	Solanaceae	LQJY-2008939	OneKp
<i>SoxaAG2</i>	<i>Solanum xanthocarpum</i>	Solanaceae	LQJY-2008940	OneKp
<i>SoxaSHP</i>	<i>Solanum xanthocarpum</i>	Solanaceae	LQJY-2009701	OneKp
<i>StjaAG</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN11324_c0_g1_i1	UdeA
<i>StjaSHP</i>	<i>Streptosolen jamesonii</i>	Solanaceae	TRINITY_DN24588_c0_g1_i1	UdeA

Complete scientific names for the above cited species

<i>Atropa belladonna</i> L.
<i>Arabidopsis thaliana</i> (L.) Heynh.
<i>Brunfelsia pauciflora</i> (Cham. & Schltld.) Benth.
<i>Brugmansia sanguinea</i> (Ruiz & Pav.) D. Don
<i>Capsicum annuum</i> cv CM334
<i>Capsicum annuum</i> var. <i>Glabriscum</i> (Dunal) Heiser & Pickersgill
<i>Capsicum annuum</i> cv CM334
<i>Capsicum annuum</i> var. <i>Zunla</i> L.
<i>Lycium barbarum</i> L.
<i>Lycopersicon cheesmaniae</i> L. Riley
<i>Lycium</i> sp. L.
<i>Nicotiana tabacum</i>
<i>Nicotiana sylvestris</i>
<i>Nicotiana tabacum</i> BX
<i>Nicotiana tabacum</i> K236
<i>Nicotiana tabacum</i> TN90
<i>Petunia axillaris</i> (Lam.) Britton, Sterns & Poggenb.
<i>Petunia inflata</i> R.E. Fr.
<i>Solanum dulcamara</i> (Moench) Dumort.
<i>Solanum melongena</i> (Mill.) Dunal
<i>Streptosolen jamesonii</i> (Benth.) Miers
<i>Solanum lasiophyllum</i> Humb. & Bonpl. ex Dunal
<i>Solanum lycopersicum</i> L.
<i>Solanum pennellii</i> Correl
<i>Solanum pimpinellifolium</i> L.
<i>Solanum ptychanthum</i> Dunal.
<i>Solanum sisymbriifolium</i> Lam.
<i>Solanum tuberosum</i> L.
<i>Solanum xanthocarpum</i> Schrad. & J.C. Wendl.