

Table S6 The BIA biosynthetic genes identified in this study

Species	gene code	gene ID	duplication type
<i>Corydalis shearerii</i>	CshBBEL36	Chr03.g07219.m1	Singleton
	CshBBEL37	Chr07.g20980.m1	Dispersed
	CshBBEL38	Chr07.g19994.m1	Dispersed
	CshBBEL39	Chr08.g25473.m1	Dispersed
	CshBBEL42	Chr05.g15449.m1	Dispersed
	CshBBEL02	Chr04.g12162.m1_1	Tandem
	CshBBEL03	Chr04.g12162.m1_2	Tandem
	CshBBEL04	Chr04.g12163.m1_1	Tandem
	CshBBEL05	Chr04.g12163.m1_2	Tandem
	CshBBEL06	Chr04.g12164.m1	Tandem
	CshBBEL07	Chr04.g12178.m1_1	Tandem
	CshBBEL08	Chr04.g12178.m1_2	Tandem
	CshBBEL09	Chr04.g12178.m1_3	Tandem
	CshBBEL10	Chr04.g12179.m1_1	Tandem
	CshBBEL11	Chr04.g12179.m1_2	Tandem
	CshBBEL12	Chr04.g12180.m1	Tandem
	CshBBEL13	Chr04.g12181.m1_1	Tandem
	CshBBEL14	Chr04.g12181.m1_2	Tandem
	CshBBEL15	Chr04.g12182.m1	Tandem
	CshBBEL16	Chr04.g12183.m1_1	Tandem
	CshBBEL17	Chr04.g12183.m1_2	Tandem
	CshBBEL18	Chr04.g12185.m1	Tandem
	CshBBEL19	de-novo annotation	Tandem
	CshBBEL20	Chr04.g12186.m1	Tandem
	CshBBEL21	de-novo annotation	Tandem
	CshBBEL22	de-novo annotation	Tandem
	CshBBEL23	de-novo annotation	Tandem
	CshBBEL24	de-novo annotation	Tandem
	CshBBEL25	de-novo annotation	Tandem
	CshBBEL26	Chr04.g12187.m1_1	Tandem
	CshBBEL27	Chr04.g12187.m1_2	Tandem
	CshBBEL28	Chr04.g12188.m1_1	Tandem
	CshBBEL29	Chr04.g12188.m1_2	Tandem
	CshBBEL30	Chr04.g12188.m1_3	Tandem
	CshBBEL31	Chr04.g12188.m1_4	Tandem
	CshBBEL32	de-novo annotation	Singleton
	CshBBEL33	Chr04.g12265.m1	Dispersed
	CshBBEL34	Chr04.g12658.m1	Dispersed
	CshBBEL35	Chr04.g12184.m1	Tandem
	CshBBE01	Chr06.g17196.m1	Proximal
	CshBBE02	Chr06.g17200.m1	Proximal
	CshBBE03	Chr04.g10477.m1	Dispersed
<i>Corydalis tomentella</i>	CtoBBEL01	GWHTAORS032733/contig	Dispersed
	CtoBBEL02	GWHTAORS027872/contig	Dispersed
	CtoBBEL03	GWHTAORS016749/contig	Dispersed
	CtoBBEL05	GWHTAORS022200/contig	Dispersed
	CtoBBEL04	GWHTAORS020217/contig	Dispersed
	CtoBBEL07	GWHTAORS026092_1	Tandem
	CtoBBEL08	GWHTAORS026092_2	Tandem
	CtoBBEL09	GWHTAORS026093/contig	Tandem
	CtoBBEL10	GWHTAORS026094/contig	Tandem
	CtoBBEL11	GWHTAORS026112/contig	Tandem
	CtoBBEL12	GWHTAORS026113/contig	Tandem
	CtoBBEL13	GWHTAORS026114/contig	Tandem
	CtoBBEL14	GWHTAORS026115 /contig	Tandem
	CtoBBEL15	GWHTAORS026117/contig	Tandem
	CtoBBEL16	GWHTAORS026118/contig	Tandem
	CtoBBEL17	GWHTAORS026119/contig	Tandem

	CtoBBEL18	GWHTAORS026124/contig Tandem
	CtoBBEL19	GWHTAORS026125/contig Tandem
	CtoBBEL20	de-novo annotation Tandem
	CtoBBEL21	GWHTAORS026127/contig Tandem
	CtoBBEL22	GWHTAORS026128/contig Tandem
	CtoBBEL23	GWHTAORS026129/contig Tandem
	CtoBBEL24	GWHTAORS026130/contig Tandem
	CtoBBEL25	GWHTAORS026131/contig Tandem
	CtoBBEL26	GWHTAORS026132/contig Tandem
	CtoBBEL27	GWHTAORS026133/contig Tandem
	CtoBBEL28	GWHTAORS026135/contig Tandem
	CtoBBEL29	GWHTAORS026136/contig Tandem
	CtoBBEL30	GWHTAORS026137/contig Tandem
	CtoBBEL31	GWHTAORS026195/contig Dispersed
	CtoBBE	GWHTAORS023202/contig Dispersed
<i>Chelidonium majus</i>	CmaBBEL01	scaffold-XMVD-2013867-Chelidonium_majus
	CmaBBEL02	scaffold-XMVD-2010505-Chelidonium_majus
	CmaBBEL03	scaffold-XMVD-2010506-Chelidonium_majus
	CmaBBEL04	scaffold-XMVD-2051946-Chelidonium_majus
	CmaBBEL05	scaffold-XMVD-2013707-Chelidonium_majus
	CmaBBEL06	scaffold-XMVD-2013001-Chelidonium_majus
	CmaBBE	scaffold-XMVD-2051567-Chelidonium_majus
<i>Capnoides sempervirens</i>	CseBBEL01	scaffold-AUGV-2008671-Capnoides_sempervirens
	CseBBE	scaffold-AUGV-2054117-Capnoides_sempervirens
<i>Ceratocapnos vesicaria</i>	CveBBEL01	scaffold-UDHA-2098031-Ceratocapnos_vesicaria
	CveBBE	scaffold-UDHA-2025549-Ceratocapnos_vesicaria
<i>Hypecoum procumbens</i>	HprBBEL01	scaffold-NMGG-2000560-Hypecoum_procumbens
	HprBBEL02	scaffold-NMGG-2063444-Hypecoum_procumbens
	HprBBE	scaffold-NMGG-2063814-Hypecoum_procumbens
<i>Eschscholzia californica</i>	EcaBBEL01	EscalH1.1G022900.1
	EcaBBEL02	EscalH1.1G023100.1
	EcaBBEL03	EscalH1.1G023400.1
	EcaBBEL04	EscalH1.1G023500.1
	EcaBBEL05	EscalH1.1G023600.1
	EcaBBEL06	EscalH1.1G373200.1
	EcaBBEL07	EscalH1.1G373500.1
	EcaBBEL08	EscalH1.1G597000.2
	EcaBBEL09	EscalH1.1G597100.1
	EcaBBEL10	EscalH1.1G597700.1
	EcaBBEL11	EscalH1.1G597800.1
	EcaBBEL12	EscalH1.1G597900.1
	EcaBBEL13	EscalH1.1G598100.1
	EcaBBEL14	EscalH1.1G598300.1
	EcaBBEL15	EscalH1.1G598400.1
	EcaBBEL16	EscalH1.1G598500.1
	EcaBBEL17	EscalH1.1G598600.1
	EcaBBEL18	EscalH1.1G598700.1
	EcaBBEL19	EscalH1.1G598800.1
	EcaBBEL20	EscalH1.1G598900.1
	EcaBBEL21	EscalH1.1G599000.1
	EcaBBEL22	EscalH1.1G599100.1
	EcaBBEL23	EscalH1.1G599200.1
	EcaBBEL24	EscalH1.1G599300.1
	EcaBBEL25	EscalH1.1G599400.1
	EcaBBEL26	EscalH1.1G599500.1
	EcaBBEL27	EscalH1.1G599600.1
	EcaBBEL28	EscalH1.1G599700.1
	EcaBBEL29	EscalH1.1G599800.1
	EcaBBEL30	EscalH1.1G599900.1
	EcaBBEL31	EscalH1.1G600100.1

	EcaBBEL32	EscalH1.1G600200.1
	EcaBBEL33	EscalH1.1G600300.1
	EcaBBEL34	EscalH1.1G600400.1
	EcaBBEL35	EscalH1.1G600500.1
	EcaBBEL36	EscalH1.1G600600.1
	EcaBBEL37	EscalH1.1G600700.1
	EcaBBEL38	EscalH1.1G600800.1
	EcaBBEL39	EscalH1.2G058400.1
	EcaBBEL40	EscalH1.2G078400.1
	EcaBBEL41	EscalH1.2G078600.1
	EcaBBEL42	EscalH1.2G078700.1
	EcaBBEL43	EscalH1.2G078800.1
	EcaBBEL44	EscalH1.2G086400.1
	EcaBBEL45	EscalH1.2G087100.1
	EcaBBEL46	EscalH1.2G128900.1
	EcaBBEL47	EscalH1.4G271700.1
	EcaBBEL48	EscalH1.4G368100.1
	EcaBBEL49	EscalH1.5G147000.1
	EcaBBEL50	EscalH1.5G147100.1
	EcaBBE01	EscalH1.5G283000.1
	EcaBBE02	EscalH1.5G283100.1
<i>Macleaya cordata</i>	McoBBEL02	MVGT01001410.1_cds_OVA12243.1_5963
	McoBBEL03	MVGT01001410.1_cds_OVA12244.1_5964
	McoBBEL04	MVGT01001410.1_cds_OVA12245.1_5965
	McoBBEL05	MVGT01001410.1_cds_OVA12247.1_5967
	McoBBEL06	MVGT01001410.1_cds_OVA12248.1_5968
	McoBBEL07	MVGT01001410.1_cds_OVA12249.1_5969
	McoBBEL08	MVGT01001410.1_cds_OVA12251.1_5971
	McoBBEL09	MVGT01001410.1_cds_OVA12252.1_5972
	McoBBEL10	MVGT01002104.1_cds_OVA09346.1_12717
	McoBBEL11	MVGT01002104.1_cds_OVA09347.1_12718
	McoBBEL12	MVGT01002104.1_cds_OVA09350.1_12721
	McoBBEL13	MVGT01002104.1_cds_OVA09351.1_12722
	McoBBEL14	MVGT01002104.1_cds_OVA09352.1_12723
	McoBBEL15	MVGT01002104.1_cds_OVA09353.1_12724
	McoBBEL16	MVGT01002309.1_cds_OVA08657.1_3518
	McoBBEL17	MVGT01003168.1_cds_OVA05128.1_16231
	McoBBEL18	MVGT01003444.1_cds_OVA03979.1_10686
	McoBBEL19	MVGT01003444.1_cds_OVA03980.1_10687
	McoBBEL20	MVGT01003444.1_cds_OVA03981.1_10688
	McoBBEL21	MVGT01003444.1_cds_OVA03983.1_10690
	McoBBEL22	MVGT01003444.1_cds_OVA03986.1_10693
	McoBBEL23	MVGT01003444.1_cds_OVA03988.1_10695
	McoBBEL24	MVGT01004341.1_cds_OVA00259.1_2405
	McoBBEL25	MVGT01004341.1_cds_OVA00260.1_2406
	McoBBEL26	MVGT01004341.1_cds_OVA00261.1_2407
	McoBBEL27	MVGT01004341.1_cds_OVA00263.1_2409
	McoBBEL28	MVGT01004341.1_cds_OVA00264.1_2410
	McoBBEL29	MVGT01004341.1_cds_OVA00265.1_2411
	McoBBEL30	MVGT01004341.1_cds_OVA00266.1_2412
	McoBBEL31	MVGT01004341.1_cds_OVA00267.1_2413
	McoBBEL32	MVGT01004341.1_cds_OVA00268.1_2414
	McoBBEL33	MVGT01004341.1_cds_OVA00269.1_2415
	McoBBEL35	MVGT01004527.1_cds_OUZ99211.1_17055
	McoBBE01	MVGT01004386.1_cds_OUZ99948.1_19355
	McoBBE02	MVGT01000164.1_cds_OVA19939.1_9484
<i>Papaver somniferum</i>	PsoBBEL01	NC_039358.1_cds_XP_026386909.1_1004
	PsoBBEL02	NC_039358.1_cds_XP_026400377.1_3493
	PsoBBEL03	NC_039358.1_cds_XP_026430340.1_1002
	PsoBBEL04	NC_039358.1_cds_XP_026430345.1_1003

PsoBBEL05	NC_039358.1_cds_XP_026430352.1_1006
PsoBBEL06	NC_039358.1_cds_XP_026430367.1_1007
PsoBBEL07	NC_039358.1_cds_XP_026430374.1_1008
PsoBBEL08	NC_039358.1_cds_XP_026430378.1_1009
PsoBBEL09	NC_039358.1_cds_XP_026447147.1_3202
PsoBBEL10	NC_039359.1_cds_XP_026447722.1_11441
PsoBBEL11	NC_039359.1_cds_XP_026448838.1_13055
PsoBBEL12	NC_039359.1_cds_XP_026452210.1_15165
PsoBBEL13	NC_039360.1_cds_XP_026454471.1_16959
PsoBBEL14	NC_039360.1_cds_XP_026454537.1_17054
PsoBBEL15	NC_039360.1_cds_XP_026454565.1_17095
PsoBBEL16	NC_039360.1_cds_XP_026454566.1_17096
PsoBBEL17	NC_039360.1_cds_XP_026459621.1_20828
PsoBBEL18	NC_039361.1_cds_XP_026379212.1_24179
PsoBBEL19	NC_039361.1_cds_XP_026380178.1_23423
PsoBBEL20	NC_039361.1_cds_XP_026461082.1_26428
PsoBBEL21	NC_039361.1_cds_XP_026461083.1_26429
PsoBBEL22	NC_039362.1_cds_XP_026382162.1_27369
PsoBBEL23	NC_039362.1_cds_XP_026384561.1_32318
PsoBBEL24	NC_039362.1_cds_XP_026385891.1_28141
PsoBBEL25	NC_039362.1_cds_XP_026387032.1_29663
PsoBBEL26	NC_039362.1_cds_XP_026387687.1_30599
PsoBBEL27	NC_039363.1_cds_XP_026390108.1_34858
PsoBBEL28	NC_039363.1_cds_XP_026390113.1_34862
PsoBBEL29	NC_039363.1_cds_XP_026390114.1_34863
PsoBBEL30	NC_039363.1_cds_XP_026390116.1_34869
PsoBBEL31	NC_039363.1_cds_XP_026390652.1_38723
PsoBBEL32	NC_039363.1_cds_XP_026391412.1_34865
PsoBBEL33	NC_039363.1_cds_XP_026391413.1_34864
PsoBBEL35	NC_039365.1_cds_XP_026408010.1_48863
PsoBBEL36	NC_039365.1_cds_XP_026408658.1_52641
PsoBBEL39	NC_039365.1_cds_XP_026409655.1_52640
PsoBBEL40	NC_039366.1_cds_XP_026416615.1_55907
PsoBBEL41	NC_039367.1_cds_XP_026419188.1_63043
PsoBBEL42	NC_039368.1_cds_XP_026426276.1_68613
PsoBBEL43	NW_020618825.1_cds_XP_026429985.1_69625
PsoBBEL44	NW_020620381.1_cds_XP_026431738.1_70829
PsoBBEL45	NW_020631041.1_cds_XP_026440507.1_78891
PsoBBEL46	NW_020634374.1_cds_XP_026441713.1_80059
PsoBBEL47	NW_020647304.1_cds_XP_026442998.1_81250
PsoBBE01	NC_039365.1_cds_XP_026408692.1_52866
PsoBBE02	NC_039367.1_cds_XP_026421833.1_62075
PsoBBE03	NC_039365.1_cds_XP_026407969.1_50265
AcoBBEL01	Aqcoe1G034200.1
AcoBBEL02	Aqcoe1G038800.1
AcoBBEL03	Aqcoe1G038900.1
AcoBBEL04	Aqcoe1G171400.1
AcoBBEL05	Aqcoe1G171500.1
AcoBBEL06	Aqcoe1G297800.1
AcoBBEL07	Aqcoe2G024400.1
AcoBBEL08	Aqcoe3G048100.1
AcoBBEL09	Aqcoe3G067100.1
AcoBBEL10	Aqcoe3G067200.1
AcoBBEL11	Aqcoe4G118400.1
AcoBBEL12	Aqcoe5G215600.1
AcoBBEL14	Aqcoe6G281800.1
AcoBBEL15	Aqcoe7G154000.1
AcoBBEL16	Aqcoe7G154800.1
AcoBBEL17	Aqcoe7G178700.1
AcoBBEL18	Aqcoe7G277900.1

Aquilegia coerulea

<i>Corydalis shearerii</i>	AcoBBEL19	Aqcoe7G395100.1	
	AcoBBE01	Aqcoe5G477600.1	
	CshCYP82N01	Chr03.g08606.m1	Tandem
	CshCYP82N02	Chr03.g08607.m1	Tandem
	CshCYP82N03	Chr03.g08609.m1	Proximal
	CshCYP82N04	Chr03.g08611.m1	Tandem
	CshCYP82N05	Chr03.g08612.m1_1	Tandem
	CshCYP82N06	Chr03.g08612.m1_2	Tandem
	CshCYP82N07	Chr03.g08615.m1	Proximal
	CshCYP82N08	Chr03.g08617.m1_1	Tandem
	CshCYP82N09	Chr03.g08617.m1_2	Tandem
	CshCYP82N10	Chr04.g11147.m1	Dispersed
	CshCYP82N11	Chr06.g18079.m1	Dispersed
	CshCYP82N12	Chr08.g23233.m1	Tandem
	CshCYP82N13	Chr08.g23263.m1_1	Tandem
<i>Corydalis tomentella</i>	CshCYP82N14	Chr08.g23263.m1_2	Tandem
	CshCYP82N15	Chr08.g24322.m1	Dispersed
	CtoCYP82N1	contig26A22T120.1	Dispersed
	CtoCYP82N2	contig102R1T8.1	Dispersed
	CtoCYP82N3	contig4R46T24.1	Dispersed
	CtoCYP82N4	contig102R2T31.1	WGD or Segmental
	CtoCYP82N5	contig17R7T10.1	Tandem
	CtoCYP82N6	contig17R7T16.1	Tandem
	CtoCYP82N7	contig17R7T9.1	Tandem
	CtoCYP82N8	contig8R23T18.1	Tandem
	CtoCYP82N9	contig8R23T17.1	Tandem
<i>Chelidonium_majus</i>	CmaCYP82N	scaffold-XMVD-2051523	
<i>Capnoides sempervirens</i>	CseCYP82N	scaffold-AUGV-2054089	
<i>Ceratocapnos vesicaria</i>	CveCYP82N	scaffold-UDHA-2098170	
<i>Hypecoum procumbens</i>	HprCYP82N01	scaffold-NMGG-2055422-Hypecoum_procumbens	
	HprCYP82N02	scaffold-NMGG-2000977-Hypecoum_procumbens	
	HprCYP82N03	scaffold-NMGG-2007997-Hypecoum_procumbens	
	HprCYP82N04	scaffold-NMGG-2011305-Hypecoum_procumbens	
<i>Eschscholzia californica</i>	EcaCYP82N01	Eca_sc194664.1_g0840.1	
	EcaCYP82N02	Eca_sc004736.1_g0030.1	
	EcaCYP82N03	Eca_sc194758.1_g0720.1	
	EcaCYP82N04	Eca_sc012219.1_g0510.1	
	EcaCYP82N05	Eca_sc193916.1_g0930.1	
	EcaCYP82N06	Eca_sc009029.1_g0010.1	
	EcaCYP82N07	Eca_sc001096.1_g2040.1	
	EcaCYP82N08	Eca_sc001139.1_g1890.1	
<i>Macleaya cordata</i>	McoCYP82N01	MVGT01004232.1_cds_OVA00964.1_16366	
	McoCYP82N02	MVGT01004232.1_cds_OVA00959.1_16361	
	McoCYP82N03	MVGT01000435.1_cds_OVA18597.1_7486	
	McoCYP82N04	MVGT01000435.1_cds_OVA18588.1_7477	
	McoCYP82N05	MVGT01000435.1_cds_OVA18613.1_7502	
	McoCYP82N06	MVGT01000435.1_cds_OVA18587.1_7476	
	McoCYP82N07	MVGT01001025.1_cds_OVA14716.1_6911	
<i>Papaver somniferum</i>	PsoCYP82N01	Pso03G47030.0	
	PsoCYP82N02	Pso02G11230.0	
	PsoCYP82N03	Pso04G00490.0	
	PsoCYP82N04	Pso04G00480.0	
<i>Aquilegia coerulea</i>	AcoCYP82N01	Aqcoe5G170500.1	
	AcoCYP82N02	Aqcoe5G170600.1	
	AcoCYP82N03	Aqcoe5G170700.1	
	AcoCYP82N04	Aqcoe5G170800.1	
	AcoCYP82N05	Aqcoe6G102300.1	
	AcoCYP82N06	Aqcoe6G102400.1	
	AcoCYP82N07	Aqcoe5G205700.1	
	AcoCYP82N08	Aqcoe5G205800.1	

<i>Corydalis shearerii</i>	CshCYP719_01	Chr05.g16139.m1	Tandem
	CshCYP719_02	Chr05.g16140.m1	Tandem
	CshCYP719_03	Chr05.g16141.m1	Tandem
	CshCYP719_04	Chr06.g18088.m1	Tandem
	CshCYP719_05	Chr06.g18089.m1	Tandem
	CshCYP719_06	Chr06.g18102.m1	Singleton
<i>Corydalis tomentella</i>	CtoCYP719A2	contig71R6T19.1	Proximal
	CtoCYP719A14-2	contig71R6T6.1	Proximal
	CtoCYP719A14	contig44R5T13.1	Proximal
	CtoCYP719A2-2	contig44R5T17.1	Proximal
<i>Chelidonium majus</i>	CmaCYP719_01	scaffold-XMVD-2013776-Chelidonium_majus	
	CmaCYP719_02	scaffold-XMVD-2013928-Chelidonium_majus	
	CmaCYP719_03	scaffold-XMVD-2052228-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseCYP719_01	scaffold-AUGV-2011625-Capnoides_sempervirens	
	CseCYP719_02	scaffold-AUGV-2001621-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveCYP719_01	scaffold-UDHA-2014620-Ceratocapnos_vesicaria	
	CveCYP719_02	scaffold-UDHA-2014621-Ceratocapnos_vesicaria	
	CveCYP719_03	scaffold-UDHA-2019866-Ceratocapnos_vesicaria	
	CveCYP719_04	scaffold-UDHA-2019865-Ceratocapnos_vesicaria	
<i>Hypecoum procumbens</i>	HprCYP719_01	scaffold-NMGG-2063558-Hypecoum_procumbens	
	HprCYP719_02	scaffold-NMGG-2063697-Hypecoum_procumbens	
	HprCYP719_03	scaffold-NMGG-2011387-Hypecoum_procumbens	
<i>Eschscholzia californica</i>	EcaCYP719_01	Eca_sc194371.1_g0100.1	
	EcaCYP719_02	Eca_sc007843.1_g0580.1	
	EcaCYP719_03	Eca_sc005603.1_g0330.1	
	EcaCYP719_04	Eca_sc194711.1_g0050.1	
	EcaCYP719_05	Eca_sc005603.1_g0470.1	
	EcaCYP719_06	Eca_sc007505.1_g0100.1	
	EcaCYP719_07	Eca_sc045099.1_g0010.1	
	EcaCYP719_08	Eca_sc001365.1_g0730.1	
	EcaCYP719_09	Eca_sc001365.1_g0830.1	
<i>Macleaya cordata</i>	McoCYP719_01	MVGT01001547.1_cds_OVA11724.1_10240	
	McoCYP719_02	MVGT01001099.1_cds_OVA13716.1_5671	
	McoCYP719_03	MVGT01001547.1_cds_OVA11723.1_10239	
<i>Papaver somniferum</i>	PsoCYP719_01	Pso02G31360.0	
	PsoCYP719_02	Pso04G00320.0	
	PsoCYP719_03	Pso02G62470.0	
	PsoCYP719_04	Pso02G32530.0	
	PsoCYP719_05	Pso02G31330.0	
	PsoCYP719_06	Pso02G62490.0	
	PsoCYP719_07	Pso02G61140.0	
	PsoCYP719_08	Pso08G00510.0	
	PsoCYP719_09	Pso04G00410.0	
	PsoCYP719_10	PsoUNG35960.0	
	PsoCYP719_11	Pso02G26870.0	
<i>Aquilegia coerulea</i>	AcoCYP719_01	Aqcoe7G429000.1	
	AcoCYP719_02	Aqcoe7G153900.1	
	AcoCYP719_03	Aqcoe7G155400.1	
	AcoCYP719_04	Aqcoe7G153500.1	
	AcoCYP719_05	Aqcoe1G202500.1	
	AcoCYP719_06	Aqcoe4G234400.1	
	AcoCYP719_07	Aqcoe6G141400	
<i>Corydalis shearerii</i>	CshNMCH01	Chr08.g24977.m1	Proximal
	CshNMCH02	Chr08.g24980.m1	Proximal
<i>Corydalis tomentella</i>	CtoNMCH1	contig8A32T95.1	Tandem
	CtoNMCH2	contig8A32T94.1	Tandem
<i>Chelidonium majus</i>	CmaNMCH	scaffold-XMVD-2051709-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseNMCH	scaffold-AUGV-2005607-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveNMCH	scaffold-UDHA-2097799-Ceratocapnos_vesicaria	
<i>Eschscholzia californica</i>	EcaNMCH01	Eca_sc000252.1_g1280.1	

	EcaNMCH02	Eca_sc000377.1_g1290.1	
<i>Macleaya cordata</i>	McoNMCH	MVGT01000613.1_cds_OVA16215.1_11489	
<i>Papaver somniferum</i>	PsoNMCH01	Pso01G11640.0	
	PsoNMCH02	Pso05G43920.0	
	PsoNMCH03	Pso10G34230.0	
<i>Aquilegia coerulea</i>	AcoNMCH01	Aqcoe2G408600.1	
	AcoNMCH02	Aqcoe2G408700.1	
	AcoNMCH03	Aqcoe3G318400.1	
<i>Hypecoum procumbens</i>	HprNMCH	scaffold-NMGG-2063660-Hypecoum_procumbens	
<i>Corydalis shearerii</i>	CshNCS01	Chr06.g17890.m1	Dispersed
	CshNCS02	Chr06.g17939.m1	Proximal
	CshNCS03	Chr06.g17943.m1_1	Tandem
	CshNCS16	Chr06.g17943.m1_2	Tandem
	CshNCS04	Chr06.g17945.m1	Proximal
	CshNCS05	Chr06.g17949.m1_1	Tandem
	CshNCS17	Chr06.g17949.m1_2	Tandem
	CshNCS06	Chr06.g17950.m1	Tandem
	CshNCS07	Chr06.g18795.m1	Tandem
	CshNCS08	Chr06.g18796.m1	Tandem
	CshNCS09	Chr06.g18797.m1	Tandem
	CshNCS10	Chr06.g19659.m1_1	Tandem
	CshNCS18	Chr06.g19659.m1_2	Tandem
	CshNCS19	Chr06.g19659.m1_3	Tandem
	CshNCS20	Chr06.g19659.m1_4	Tandem
	CshNCS21	Chr06.g19659.m1_5	Tandem
	CshNCS22	Chr06.g19659.m1_6	Tandem
	CshNCS11	Chr06.g19660.m1	Tandem
	CshNCS12	Chr06.g19661.m1	Tandem
	CshNCS13	Chr06.g19662.m1	Tandem
	CshNCS14	Chr06.g19663.m1	Tandem
	CshNCS15	Chr06.g19666.m1	Tandem
<i>Corydalis tomentella</i>	CtoNCS1	contig63A1T161.1_2	Tandem
	CtoNCS10	contig63A1T161.1_1	Tandem
	CtoNCS2	contig63A2T159.1	Proximal
	CtoNCS3	contig63A2T160.1	Tandem
	CtoNCS4	contig63A2T161.1	Tandem
	CtoNCS5	contig63A2T164.1	Proximal
	CtoNCS6	contig63R2T14.1	Proximal
	CtoNCS7	contig63R2T16.1	Proximal
	CtoNCS8	contig9A1T121.1	Tandem
	CtoNCS9	contig9R1T18.1	Tandem
<i>Chelidonium majus</i>	CmaNCS01	scaffold-XMVD-2012718-Chelidonium_majus	
	CmaNCS02	scaffold-XMVD-2004518-Chelidonium_majus	
	CmaNCS03	scaffold-XMVD-2004519-Chelidonium_majus	
	CmaNCS04	scaffold-XMVD-2049705-Chelidonium_majus	
	CmaNCS05	scaffold-XMVD-2047492-Chelidonium_majus	
	CmaNCS06	scaffold-XMVD-2009582-Chelidonium_majus	
	CmaNCS07	scaffold-XMVD-2046706-Chelidonium_majus	
	CmaNCS08	scaffold-XMVD-2001093-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseNCS01	scaffold-AUGV-2000603-Capnoides_sempervirens	
	CseNCS02	scaffold-AUGV-2005887-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveNCS01	scaffold-UDHA-2021072-Ceratocapnos_vesicaria	
	CveNCS02	scaffold-UDHA-2022864-Ceratocapnos_vesicaria	
	CveNCS03	scaffold-UDHA-2004011-Ceratocapnos_vesicaria	
<i>Hypecoum procumbens</i>	HprNCS01	scaffold-NMGG-2001055-Hypecoum_procumbens	
	HprNCS02	scaffold-NMGG-2013930-Hypecoum_procumbens	
	HprNCS03	scaffold-NMGG-2059197-Hypecoum_procumbens	
	HprNCS04	scaffold-NMGG-2058868-Hypecoum_procumbens	
	HprNCS05	scaffold-NMGG-2059792-Hypecoum_procumbens	
	HprNCS06	scaffold-NMGG-2008083-Hypecoum_procumbens	

<i>Eschscholzia californica</i>	EcaNCS01	Eca_sc018558.1_g0100.1_1
	EcaNCS02	Eca_sc018558.1_g0100.1_2
	EcaNCS03	Eca_sc018558.1_g0100.1_3
	EcaNCS04	Eca_sc018558.1_g0100.1_4
	EcaNCS05	Eca_sc018558.1_g0100.1_5
	EcaNCS06	Eca_sc018558.1_g0100.1_6
	EcaNCS07	Eca_sc018558.1_g0100.1_7
	EcaNCS08	Eca_sc018558.1_g0100.1_8
	EcaNCS09	Eca_sc018558.1_g0270.1_1
	EcaNCS10	Eca_sc018558.1_g0270.1_2
	EcaNCS11	Eca_sc007672.1_g0460.1_1
	EcaNCS12	Eca_sc007672.1_g0460.1_2
	EcaNCS13	Eca_sc007672.1_g0460.1_3
	EcaNCS14	Eca_sc007672.1_g0460.1_4
	EcaNCS15	Eca_sc007672.1_g0480.1
	EcaNCS16	Eca_sc018558.1_g0310.1
	EcaNCS17	Eca_sc007672.1_g0550.1
	EcaNCS18	Eca_sc007672.1_g0680.1
	EcaNCS19	Eca_sc007672.1_g0580.1
	EcaNCS20	Eca_sc018558.1_g0120.1
	EcaNCS21	Eca_sc000051.1_g1850.1
	EcaNCS22	Eca_sc194745.1_g0400.1
	EcaNCS23	Eca_sc194745.1_g0380.1
	EcaNCS24	Eca_sc000157.1_g0930.1
	EcaNCS25	Eca_sc000157.1_g0890.1
	EcaNCS26	Eca_sc007672.1_g0440.1
<i>Macleaya cordata</i>	McoNCS01	MVGT01003947.1_cds_OVA02905.1_20798
	McoNCS02	MVGT01003947.1_cds_OVA02868.1_20761
	McoNCS03	MVGT01003947.1_cds_OVA02901.1_20794
	McoNCS04	MVGT01003947.1_cds_OVA02902.1_20795
	McoNCS05	MVGT01001602.1_cds_OVA11622.1_21817
	McoNCS06	MVGT01003947.1_cds_OVA02899.1_20792
	McoNCS07	MVGT01003947.1_cds_OVA02903.1_20796
	McoNCS08	MVGT01003947.1_cds_OVA02904.1_20797
	McoNCS09	MVGT01004145.1_cds_OVA01281.1_3876
	McoNCS10	MVGT01003947.1_cds_OVA02900.1_20793
	McoNCS11	MVGT01003947.1_cds_OVA02895.1_20788
<i>Papaver somniferum</i>	PsoNCS01	PsoUNG21920.0_2
	PsoNCS02	PsoUNG21920.0_1
	PsoNCS03	PsoUNG21920.0_3
	PsoNCS04	Pso02G21950.0_2
	PsoNCS05	Pso02G21950.0_1
	PsoNCS06	Pso02G21950.0_3
	PsoNCS07	Pso01G56040.0_2
	PsoNCS08	Pso01G56040.0_1
	PsoNCS09	Pso09G02670.0
	PsoNCS10	Pso11G36830.0
	PsoNCS11	Pso06G03400.0
	PsoNCS12	Pso02G21910.0
	PsoNCS13	Pso06G04030.0
	PsoNCS14	Pso11G36840.0
	PsoNCS15	PsoUNG23990.0
	PsoNCS16	Pso05G52610.0
	PsoNCS17	Pso09G02660.0
	PsoNCS18	Pso05G52670.0
	PsoNCS19	Pso01G02040.0
	PsoNCS20	Pso01G01980.0
	PsoNCS21	Pso01G02230.0
	PsoNCS22	Pso08G42890.0
	PsoNCS23	Pso01G02010.0

	PsoNCS24	Pso10G24630.0	
	PsoNCS25	Pso09G04420.0	
	PsoNCS26	Pso10G24660.0	
	PsoNCS27	Pso11G35240.0	
	PsoNCS28	Pso05G52630.0	
	PsoNCS29	Pso01G02250.0	
	PsoNCS30	Pso10G24620.0	
	PsoNCS31	Pso08G42860.0	
	PsoNCS32	Pso10G24650.0	
	PsoNCS33	Pso05G41700.0	
	PsoNCS34	Pso02G57940.0	
	PsoNCS35	PsoUNG13270.0	
	PsoNCS36	Pso02G35530.0	
	PsoNCS37	PsoUNG13700.0	
	PsoNCS38	Pso08G42880.0	
	PsoNCS39	Pso02G21740.0	
	PsoNCS40	Pso10G29290.0	
	PsoNCS41	Pso02G28110.0	
	PsoNCS42	Pso05G52400.0	
	PsoNCS43	Pso06G03340.0	
	PsoNCS44	Pso01G02300.0_2	
	PsoNCS45	Pso01G02300.0_1	
	PsoNCS46	Pso01G02020.0	
	PsoNCS47	Pso05G52380.0	
	PsoNCS48	Pso02G37560.0	
	PsoNCS49	Pso07G25040.0	
	PsoNCS50	Pso02G55540.0	
	PsoNCS51	Pso05G50090.0	
	PsoNCS52	Pso03G05460.0	
	PsoNCS53	PsoUNG07860.0	
	PsoNCS54	PsoUNG05640.0	
	PsoNCS55	PsoUNG03250.0	
	PsoNCS56	Pso01G02290.0	
	PsoNCS57	Pso05G50020.0	
	PsoNCS58	Pso05G50060.0	
	PsoNCS59	Pso01G05060.0	
	PsoNCS60	Pso05G47680.0	
	PsoNCS61	Pso05G50010.0	
	PsoNCS62	Pso08G15430.0	
	PsoNCS63	Pso11G10500.0	
	PsoNCS64	Pso11G10650.0	
	PsoNCS65	Pso09G30060.0	
	PsoNCS66	Pso03G56530.0	
	PsoNCS67	Pso03G56550.0	
	PsoNCS68	Pso03G56540.0	
	PsoNCS69	Pso03G56560.0	
<i>Aquilegia coerulea</i>	AcoNCS01	Aqcoe3G108900.1	
	AcoNCS02	Aqcoe3G218100.1	
	AcoNCS03	Aqcoe3G218200.1	
	AcoNCS04	Aqcoe3G218400.1	
	AcoNCS05	Aqcoe3G232700.1	
	AcoNCS06	Aqcoe3G428200.1	
	AcoNCS07	Aqcoe3G428300.1	
	AcoNCS08	Aqcoe3G429200.1	
	AcoNCS09	Aqcoe4G229600.1	
	AcoNCS10	Aqcoe4G228900.1	
	AcoNCS11	Aqcoe1G268200.1	
	AcoNCS12	Aqcoe7G434000.1	
<i>Corydalis shearerii</i>	CshTAT01	Chr03.g09181.m1	WGD or Segmental
	CshTAT02	Chr04.g12967.m1	WGD or Segmental

<i>Corydalis tomentella</i>	CtoTAT1	contig25A5T216.1	Dispersed
	CtoTAT2	contig100R5T19.1	Dispersed
<i>Chelidonium majus</i>	CmaTAT01	scaffold-XMVD-2009211-Chelidonium_majus	
	CmaTAT02	scaffold-XMVD-2050542-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseTAT01	scaffold-AUGV-2053221-Capnoides_sempervirens	
	CseTAT02	scaffold-AUGV-2004062-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveTAT01	scaffold-UDHA-2026807-Ceratocapnos_vesicaria	
	CveTAT02	scaffold-UDHA-2025431-Ceratocapnos_vesicaria	
<i>Eschscholzia californica</i>	EcaTAT01	Eca_sc049015.1_g1750.1	
	EcaTAT02	Eca_sc002219.1_g0080.1	
	EcaTAT03	Eca_sc194668.1_g0140.1	
	EcaTAT04	Eca_sc194668.1_g0130.1	
<i>Macleaya cordata</i>	McoTAT01	MVGT01001690.1_cds_OVA11520.1_17745	
	McoTAT02	MVGT01004338.1_cds_OVA00345.1_738	
	McoTAT03	MVGT01001690.1_cds_OVA11519.1_17744	
	McoTAT04	MVGT01004338.1_cds_OVA00346.1_739	
<i>Papaver somniferum</i>	PsoTAT01	Pso02G43000.0	
	PsoTAT02	Pso02G69380.0	
	PsoTAT03	Pso02G69340.0	
	PsoTAT04	Pso02G25080.0	
	PsoTAT05	Pso01G47240.0	
	PsoTAT06	Pso02G64480.0	
	PsoTAT07	Pso02G30810.0	
	PsoTAT08	Pso06G09820.0	
	PsoTAT09	Pso02G25110.0	
	PsoTAT10	Pso02G25050.0	
	PsoTAT11	Pso02G30790.0	
<i>Aquilegia coerulea</i>	AcoTAT01	Aqcoe1G253900.1	
	AcoTAT02	Aqcoe4G089000.1	
	AcoTAT03	Aqcoe4G088900.1	
<i>Hypecoum procumbens</i>	HprTAT01	scaffold-NMGG-2011369-Hypecoum_procumbens	
	HprTAT02	scaffold-NMGG-2011361-Hypecoum_procumbens	
	HprTAT03	scaffold-NMGG-2058641-Hypecoum_procumbens	
	HprTAT04	scaffold-NMGG-2051711-Hypecoum_procumbens	
<i>Corydalis shearerii</i>	CshTYDC01	Chr01.g02388.m1	Dispersed
	CshTYDC02	Chr03.g08783.m1	Dispersed
	CshTYDC03	Chr03.g09849.m1	Dispersed
	CshTYDC04	Chr03.g10078.m1	Dispersed
<i>Corydalis tomentella</i>	CtoTYDC1	contig17R19T24.1	Dispersed
	CtoTYDC2	contig71R6T11.1	Dispersed
	CtoTYDC3	contig13R20T7.1	Dispersed
	CtoTYDC4	contig32R6T19.1	Dispersed
<i>Chelidonium majus</i>	CmaTYDC01	scaffold-XMVD-2013642-Chelidonium_majus	
	CmaTYDC02	scaffold-XMVD-2000103-Chelidonium_majus	
	CmaTYDC03	scaffold-XMVD-2000976-Chelidonium_majus	
	CmaTYDC04	scaffold-XMVD-2006013-Chelidonium_majus	
	CmaTYDC05	scaffold-XMVD-2000106-Chelidonium_majus	
	CmaTYDC06	scaffold-XMVD-2000104-Chelidonium_majus	
	CmaTYDC07	scaffold-XMVD-2000105-Chelidonium_majus	
	CmaTYDC08	scaffold-XMVD-2000107-Chelidonium_majus	
	CmaTYDC09	scaffold-XMVD-2003239-Chelidonium_majus	
	CmaTYDC10	scaffold-XMVD-2003242-Chelidonium_majus	
	CmaTYDC11	scaffold-XMVD-2004531-Chelidonium_majus	
	CmaTYDC12	scaffold-XMVD-2009048-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseTYDC01	scaffold-AUGV-2011487-Capnoides_sempervirens	
	CseTYDC02	scaffold-AUGV-2012547-Capnoides_sempervirens	
	CseTYDC03	scaffold-AUGV-2011969-Capnoides_sempervirens	
	CseTYDC04	scaffold-AUGV-2044908-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveTYDC01	scaffold-UDHA-2022230-Ceratocapnos_vesicaria	
	CveTYDC02	scaffold-UDHA-2022229-Ceratocapnos_vesicaria	

<i>Hypecoum procumbens</i>	CveTYDC03	scaffold-UDHA-2002914-Ceratocapnos_vesicaria
	CveTYDC04	scaffold-UDHA-2022231-Ceratocapnos_vesicaria
	CveTYDC05	scaffold-UDHA-2002915-Ceratocapnos_vesicaria
	CveTYDC06	scaffold-UDHA-2008751-Ceratocapnos_vesicaria
	CveTYDC07	scaffold-UDHA-2087847-Ceratocapnos_vesicaria
	HprTYDC01	scaffold-NMGG-2012831-Hypecoum_procumbens
	HprTYDC02	scaffold-NMGG-2063723-Hypecoum_procumbens
<i>Eschscholzia californica</i>	HprTYDC03	scaffold-NMGG-2054995-Hypecoum_procumbens
	HprTYDC04	scaffold-NMGG-2054209-Hypecoum_procumbens
	EcaTYDC01	Eca_sc000493.1_g1300.1
	EcaTYDC02	Eca_sc194662.1_g1610.1
	EcaTYDC03	Eca_sc003247.1_g0430.1
	EcaTYDC04	Eca_sc000973.1_g0860.1
	EcaTYDC05	Eca_sc194464.1_g0480.1
<i>Macleaya cordata</i>	EcaTYDC06	Eca_sc001465.1_g1910.1
	McoTYDC01	MVGT01004519.1_cds_OUZ99267.1_2481
	McoTYDC02	MVGT01004519.1_cds_OUZ99264.1_2478
	McoTYDC03	MVGT01001648.1_cds_OVA11563.1_638
	McoTYDC04	MVGT01001536.1_cds_OVA11797.1_12907
	McoTYDC05	MVGT01004519.1_cds_OUZ99268.1_2482
	McoTYDC06	MVGT01001648.1_cds_OVA11561.1_636
	McoTYDC07	MVGT01003371.1_cds_OVA04137.1_12519
	McoTYDC08	MVGT01001648.1_cds_OVA11562.1_637
	McoTYDC09	MVGT01004351.1_cds_OVA00184.1_4168
	McoTYDC10	MVGT01002390.1_cds_OVA07976.1_2152
	McoTYDC11	MVGT01002390.1_cds_OVA07975.1_2151
	McoTYDC12	MVGT01001648.1_cds_OVA11576.1_651
	McoTYDC13	MVGT01003956.1_cds_OVA02291.1_21109
<i>Papaver somniferum</i>	McoTYDC14	MVGT01001506.1_cds_OVA11862.1_11397
	PsoTYDC01	Pso01G39140.0
	PsoTYDC02	Pso06G39450.0
	PsoTYDC03	Pso06G17700.0
	PsoTYDC04	Pso05G22500.0
	PsoTYDC05	Pso10G26490.0
	PsoTYDC06	Pso03G24550.0
	PsoTYDC07	PsoUNG05050.0
	PsoTYDC08	Pso01G24120.0
	PsoTYDC09	Pso06G33060.0
	PsoTYDC10	Pso01G39150.0
	PsoTYDC11	Pso03G54650.0
	PsoTYDC12	Pso06G17710.0
	PsoTYDC13	Pso01G14020.0
	PsoTYDC14	Pso06G39460.0
	PsoTYDC15	Pso01G14010.0
	PsoTYDC16	Pso05G19020.0
	PsoTYDC17	Pso01G14050.0
	PsoTYDC18	Pso02G31760.0
	PsoTYDC19	Pso02G69680.0
	PsoTYDC20	Pso02G36960.0
	PsoTYDC21	Pso02G56230.0
	PsoTYDC22	Pso02G56290.0
	PsoTYDC23	Pso06G39440.0
	PsoTYDC24	Pso01G14040.0
	PsoTYDC25	Pso01G14030.0
	PsoTYDC26	Pso04G17540.0
	PsoTYDC27	Pso02G24620.0
	PsoTYDC28	Pso03G01060.0
	PsoTYDC29	Pso07G35650.0
	PsoTYDC30	Pso01G14060.0
	PsoTYDC31	PsoUNG28140.0

	PsoTYDC32	Pso02G48570.0	
<i>Aquilegia coerulea</i>	AcoTYDC01	Aqcoe4G002600.1	
	AcoTYDC02	Aqcoe4G264300.1	
	AcoTYDC03	Aqcoe5G011800.1	
<i>Corydalis shearerii</i>	CshTYR01	Chr04.g13121.m1	Tandem
	CshTYR02	Chr04.g13122.m1	Tandem
	CshTYR03	Chr04.g13123.m1	Tandem
	CshTYR04	Chr04.g13124.m1	Tandem
	CshTYR05	Chr04.g13125.m1	Tandem
	CshTYR06	Chr04.g13126.m1	Tandem
	CshTYR07	Chr04.g13127.m1	Tandem
	CshTYR08	Chr05.g16070.m1	WGD or Segmental
	CshTYR09	Chr05.g16071.m1	WGD or Segmental
	CshTYR10	Chr08.g23363.m1	Tandem
	CshTYR11	Chr08.g23364.m1	Tandem
<i>Corydalis tomentella</i>	CtoTYR1	contig14R18T29.1	WGD or Segmental
	CtoTYR2	contig2R6T10.1	WGD or Segmental
	CtoTYR4	contig2R6T12.1	Tandem
	CtoTYR3	contig25A14T108.1	Tandem
	CtoTYR5	contig25A14T109.1	Tandem
	CtoTYR6	contig25A14T118.1	Tandem
<i>Chelidonium majus</i>	CmaTYR01	scaffold-XMVD-2052395-Chelidonium_majus	
	CmaTYR02	scaffold-XMVD-2005126-Chelidonium_majus	
	CmaTYR03	scaffold-XMVD-2005125-Chelidonium_majus	
	CmaTYR04	scaffold-XMVD-2006674-Chelidonium_majus	
	CmaTYR05	scaffold-XMVD-2007231-Chelidonium_majus	
	CmaTYR06	scaffold-XMVD-2007232-Chelidonium_majus	
	CmaTYR07	scaffold-XMVD-2052136-Chelidonium_majus	
	CmaTYR08	scaffold-XMVD-2052619-Chelidonium_majus	
	CmaTYR09	scaffold-XMVD-2049361-Chelidonium_majus	
	CmaTYR10	scaffold-XMVD-2007233-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseTYR01	scaffold-AUGV-2010196-Capnoides_sempervirens	
	CseTYR02	scaffold-AUGV-2048721-Capnoides_sempervirens	
	CseTYR03	scaffold-AUGV-2010260-Capnoides_sempervirens	
	CseTYR04	scaffold-AUGV-2050356-Capnoides_sempervirens	
	CseTYR05	scaffold-AUGV-2046870-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveTYR01	scaffold-UDHA-2003194-Ceratocapnos_vesicaria	
	CveTYR02	scaffold-UDHA-2003193-Ceratocapnos_vesicaria	
	CveTYR03	scaffold-UDHA-2003195-Ceratocapnos_vesicaria	
	CveTYR04	scaffold-UDHA-2097234-Ceratocapnos_vesicaria	
	CveTYR05	scaffold-UDHA-2003196-Ceratocapnos_vesicaria	
	CveTYR06	scaffold-UDHA-2092257-Ceratocapnos_vesicaria	
	CveTYR07	scaffold-UDHA-2010582-Ceratocapnos_vesicaria	
	CveTYR08	scaffold-UDHA-2097738-Ceratocapnos_vesicaria	
	CveTYR09	scaffold-UDHA-2088465-Ceratocapnos_vesicaria	
	CveTYR10	scaffold-UDHA-2092490-Ceratocapnos_vesicaria	
<i>Hypecoum procumbens</i>	HprTYR01	scaffold-NMGG-2064421-Hypecoum_procumbens	
	HprTYR02	scaffold-NMGG-2062109-Hypecoum_procumbens	
<i>Eschscholzia californica</i>	EcaTYR01	Eca_sc014577.1_g1460.1	
	EcaTYR02	Eca_sc013811.1_g0740.1	
	EcaTYR03	Eca_sc194651.1_g4790.1	
	EcaTYR04	Eca_sc002087.1_g0390.1	
	EcaTYR05	Eca_sc000325.1_g3940.1	
	EcaTYR06	Eca_sc193975.1_g0690.1	
	EcaTYR07	Eca_sc000325.1_g3890.1	
	EcaTYR08	Eca_sc006103.1_g0120.1	
	EcaTYR09	Eca_sc015570.1_g1130.1	
	EcaTYR10	Eca_sc001350.1_g0230.1	
	EcaTYR11	Eca_sc002087.1_g0380.1	
	EcaTYR12	Eca_sc015570.1_g1120.1	

<i>Macleaya cordata</i>	EcaTYR13	Eca_sc106351.1_g0010.1
	EcaTYR14	Eca_sc001350.1_g0290.1
	EcaTYR15	Eca_sc193975.1_g0680.1
	McoTYR01	MVGT01000435.1_cds_OVA18745.1_7634
	McoTYR02	MVGT01002651.1_cds_OVA07051.1_520
	McoTYR03	MVGT01002651.1_cds_OVA07050.1_519
	McoTYR04	MVGT01002651.1_cds_OVA07052.1_521
	McoTYR05	MVGT01004291.1_cds_OVA00538.1_20235
<i>Papaver somniferum</i>	McoTYR06	MVGT01004291.1_cds_OVA00540.1_20237
	McoTYR07	MVGT01004291.1_cds_OVA00542.1_20239
	McoTYR08	MVGT01004291.1_cds_OVA00541.1_20238
	PsoTYR01	Pso02G61880.0
	PsoTYR02	Pso09G02170.0
	PsoTYR03	Pso11G37220.0
	PsoTYR04	PsoUNG25200.0
	PsoTYR05	Pso03G56600.0
	PsoTYR06	Pso04G10360.0
	PsoTYR07	Pso01G27180.0
	PsoTYR08	Pso06G30260.0_1
	PsoTYR09	Pso06G30260.0_2
	PsoTYR10	Pso01G27150.0
	PsoTYR11	Pso06G30280.0
	PsoTYR12	Pso08G04560.0
	PsoTYR13	Pso02G32040.0
	PsoTYR14	Pso01G27170.0
	PsoTYR15	Pso01G14520.0
	PsoTYR16	Pso01G03010.0
	PsoTYR17	Pso01G55140.0
	PsoTYR18	Pso06G01410.0
	PsoTYR19	Pso09G23730.0
	PsoTYR20	Pso01G45550.0
	PsoTYR21	Pso04G09680.0
	PsoTYR22	Pso11G16800.0_1
	PsoTYR23	Pso11G16800.0_2
	PsoTYR24	Pso11G16800.0_3
	PsoTYR25	Pso06G10880.0_1
	PsoTYR26	Pso06G10880.0_2
	PsoTYR27	Pso08G09180.0
	PsoTYR28	Pso01G05450.0
	PsoTYR29	Pso01G05420.0
	PsoTYR30	Pso05G47980.0
	PsoTYR31	Pso01G52870.0
	PsoTYR32	PsoUNG29130.0
	PsoTYR33	Pso02G21610.0
	PsoTYR34	Pso02G21630.0
	PsoTYR35	PsoUNG21610.0
	PsoTYR36	PsoUNG21620.0
	PsoTYR37	Pso01G56970.0
	PsoTYR38	Pso02G21600.0
	PsoTYR39	Pso02G21590.0
	PsoTYR40	Pso05G48030.0
	PsoTYR41	Pso02G21580.0
	PsoTYR42	Pso01G45540.0
	PsoTYR43	Pso02G18520.0
	PsoTYR44	Pso06G11250.0
	PsoTYR45	Pso03G53950.0
<i>Aquilegia coerulea</i>	AcoTYR01	Aqcoe5G231200.1
	AcoTYR02	Aqcoe6G044700.1
	AcoTYR03	Aqcoe6G044800.1
	AcoTYR04	Aqcoe4G287500.1

<i>Corydalis shearerii</i>	AcoTYR05	Aqcoe1G318200.1	
	AcoTYR06	Aqcoe1G318300.1	
	AcoTYR07	Aqcoe1G318400.1	
	AcoTYR08	Aqcoe2G240400.1	
	CshNMT01	Chr05.g16142.m1	Dispersed
	CshNMT02	Chr06.g16981.m1	Tandem
	CshNMT03	Chr06.g16982.m1	Tandem
	CshNMT04	Chr06.g17011.m1	Tandem
	CshNMT05	Chr06.g17012.m1	Tandem
	CshNMT06	Chr06.g17013.m1	Tandem
	CshNMT07	Chr06.g17016.m1	Proximal
	CshNMT08	Chr06.g17495.m1	Dispersed
	CshNMT09	Chr06.g17931.m1	Proximal
	CshNMT10	Chr06.g17938.m1	Proximal
	CshNMT11	Chr06.g17940.m1	Proximal
	CshNMT12	Chr06.g17942.m1	Proximal
	CshNMT13	Chr06.g17944.m1	Proximal
	CshNMT14	Chr06.g17947.m1	Tandem
	CshNMT15	Chr06.g17948.m1	Tandem
	CshNMT16	Chr06.g17951.m1	Tandem
	CshNMT17	Chr06.g17954.m1	Tandem
	CshNMT18	Chr06.g17955.m1	Tandem
	CshNMT19	Chr07.g21545.m1	Tandem
	CshNMT20	Chr07.g21546.m1	Tandem
	CshNMT21	Chr08.g23645.m1	Dispersed
	CshNMT22	Chr08.g25908.m1	Dispersed
<i>Corydalis tomentella</i>	CtoNMT1	contig18A7T145.1	Tandem
	CtoNMT2	contig18R7T13.1	Tandem
	CtoNMT3	contig18A7T148.1	Tandem
	CtoNMT4	contig18A7T149.1	Tandem
	CtoNMT5	contig18A7T150.1	Tandem
	CtoNMT6	contig18A7T152.1	Tandem
	CtoNMT7	contig18A7T153.1	Proximal
	CtoNMT8	contig18A8T95.1	Proximal
	CtoNMT11	contig2A3T220.1	Dispersed
	CtoNMT12	contig35A10T121.1	Dispersed
	CtoNMT13	contig39R2T12.1	Tandem
	CtoNMT14	contig39A2T141.1	Tandem
	CtoNMT15	contig39A2T142.1	Tandem
	CtoNMT16	contig39R2T17.1	Tandem
	CtoNMT17	contig39R2T18.1	Proximal
	CtoNMT18	contig39R4T12.1	Tandem
	CtoNMT19	contig39A4T208.1	Tandem
	CtoNMT20	contig82A7T170.1	Dispersed
<i>Chelidonium majus</i>	CmaNMT01	scaffold-XMVD-2049021-Chelidonium_majus	
	CmaNMT02	scaffold-XMVD-2051471-Chelidonium_majus	
	CmaNMT03	scaffold-XMVD-2050003-Chelidonium_majus	
	CmaNMT04	scaffold-XMVD-2005183-Chelidonium_majus	
	CmaNMT05	scaffold-XMVD-2009177-Chelidonium_majus	
	CmaNMT06	scaffold-XMVD-2005182-Chelidonium_majus	
	CmaNMT07	scaffold-XMVD-2043994-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseNMT01	scaffold-AUGV-2012266-Capnoides_sempervirens	
	CseNMT02	scaffold-AUGV-2053411-Capnoides_sempervirens	
	CseNMT03	scaffold-AUGV-2004784-Capnoides_sempervirens	
	CseNMT04	scaffold-AUGV-2047348-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveNMT01	scaffold-UDHA-2000308-Ceratocapnos_vesicaria	
	CveNMT02	scaffold-UDHA-2028003-Ceratocapnos_vesicaria	
	CveNMT03	scaffold-UDHA-2026681-Ceratocapnos_vesicaria	
	CveNMT04	scaffold-UDHA-2097747-Ceratocapnos_vesicaria	
	CveNMT05	scaffold-UDHA-2016362-Ceratocapnos_vesicaria	

<i>Hypecoum procumbens</i>	CveNMT06	scaffold-UDHA-2000349-Ceratocapnos_vesicaria
	CveNMT07	scaffold-UDHA-2016363-Ceratocapnos_vesicaria
	CveNMT08	scaffold-UDHA-2019152-Ceratocapnos_vesicaria
	CveNMT09	scaffold-UDHA-2000350-Ceratocapnos_vesicaria
	CveNMT10	scaffold-UDHA-2097837-Ceratocapnos_vesicaria
	CveNMT11	scaffold-UDHA-2000309-Ceratocapnos_vesicaria
	CveNMT12	scaffold-UDHA-2020855-Ceratocapnos_vesicaria
	CveNMT13	scaffold-UDHA-2000310-Ceratocapnos_vesicaria
	HprNMT01	scaffold-NMGG-2062063-Hypecoum_procumbens
	HprNMT02	scaffold-NMGG-2014260-Hypecoum_procumbens
	HprNMT03	scaffold-NMGG-2011184-Hypecoum_procumbens
	HprNMT04	scaffold-NMGG-2001047-Hypecoum_procumbens
	HprNMT05	scaffold-NMGG-2010467-Hypecoum_procumbens
<i>Eschscholzia californica</i>	HprNMT06	scaffold-NMGG-2061942-Hypecoum_procumbens
	HprNMT07	scaffold-NMGG-2006892-Hypecoum_procumbens
	HprNMT08	scaffold-NMGG-2006893-Hypecoum_procumbens
	HprNMT09	scaffold-NMGG-2002117-Hypecoum_procumbens
	HprNMT10	scaffold-NMGG-2005077-Hypecoum_procumbens
	HprNMT11	scaffold-NMGG-2004396-Hypecoum_procumbens
	HprNMT12	scaffold-NMGG-2007085-Hypecoum_procumbens
	HprNMT13	scaffold-NMGG-2053271-Hypecoum_procumbens
	EcaNMT01	Eca_sc005409.1_g0270.1
	EcaNMT02	Eca_sc031885.1_g0280.1
	EcaNMT03	Eca_sc011375.1_g0240.1
	EcaNMT04	Eca_sc194760.1_g2550.1
	EcaNMT05	Eca_sc000451.1_g0360.1
<i>Macleaya cordata</i>	EcaNMT06	Eca_sc000451.1_g0210.1
	EcaNMT07	Eca_sc194668.1_g1220.1
	EcaNMT08	Eca_sc194760.1_g2540.1
	EcaNMT09	Eca_sc194471.1_g0080.1
	EcaNMT10	Eca_sc011375.1_g0250.1
	EcaNMT11	Eca_sc155200.1_g0010.1
	EcaNMT12	Eca_sc183858.1_g0010.1
	McoNMT01	MVGT01002328.1_cds_OVA08445.1_9191
	McoNMT02	MVGT01003301.1_cds_OVA04485.1_4747
	McoNMT03	MVGT01002328.1_cds_OVA08448.1_9194
	McoNMT04	MVGT01002328.1_cds_OVA08391.1_9137
	McoNMT05	MVGT01003301.1_cds_OVA04486.1_4748
	McoNMT06	MVGT01002328.1_cds_OVA08390.1_9136
<i>Papaver somniferum</i>	McoNMT07	MVGT01003301.1_cds_OVA04488.1_4750
	McoNMT08	MVGT01002328.1_cds_OVA08389.1_9135
	McoNMT09	MVGT01002328.1_cds_OVA08446.1_9192
	McoNMT10	MVGT01002941.1_cds_OVA06151.1_3650
	McoNMT11	MVGT01003301.1_cds_OVA04487.1_4749
	McoNMT12	MVGT01003301.1_cds_OVA04498.1_4760
	PsoNMT01	Pso10G30460.0
	PsoNMT02	Pso04G00160.0
	PsoNMT03	PsoUNG07690.0
	PsoNMT04	PsoUNG07680.0
	PsoNMT05	Pso04G00180.0
	PsoNMT06	Pso10G30480.0
	PsoNMT07	PsoUNG07930.0
	PsoNMT08	Pso10G29250.0
	PsoNMT09	PsoUNG30250.0
	PsoNMT10	Pso01G55590.0
	PsoNMT11	Pso06G00100.0
	PsoNMT12	Pso01G56660.0
	PsoNMT13	Pso02G66680.0
	PsoNMT14	Pso02G27690.0
	PsoNMT15	Pso02G66650.0

<i>Aquilegia coerulea</i>	PsoNMT16	Pso02G27700.0	
	PsoNMT17	Pso10G33070.0	
	PsoNMT18	PsoUNG09450.0	
	PsoNMT19	Pso02G24400.0	
	PsoNMT20	Pso02G69850.0	
	PsoNMT21	Pso02G26910.0	
	PsoNMT22	Pso02G68530.0	
	PsoNMT23	Pso02G26900.0	
	AcoNMT01	Aqcoe7G156200.1	
	AcoNMT02	Aqcoe7G412800.1	
<i>Corydalis shearerii</i>	AcoNMT03	Aqcoe7G153600.1	
	AcoNMT04	Aqcoe7G041300.1	
	AcoNMT05	Aqcoe7G155100.1	
	AcoNMT06	Aqcoe7G423900.1	
	AcoNMT07	Aqcoe7G424100.1	
	AcoNMT08	Aqcoe7G421600.1	
	AcoNMT09	Aqcoe2G215900.1	
	CshOMT01	Chr01.g02962.m1	Dispersed
	CshOMT02	Chr01.g03167.m1	Dispersed
	CshOMT03	Chr02.g04863.m1_1	Tandem
<i>Corydalis tomentella</i>	CshOMT04	Chr02.g04863.m1_2	Tandem
	CshOMT05	Chr02.g04864.m1_1	Tandem
	CshOMT06	Chr02.g04864.m1_2	Tandem
	CshOMT07	Chr02.g04865.m1_1	Tandem
	CshOMT08	Chr02.g04865.m1_2	Tandem
	CshOMT09	Chr02.g04866.m1	Proximal
	CshOMT10	Chr02.g04869.m1	Proximal
	CshOMT11	Chr02.g05921.m1	Dispersed
	CshOMT12	Chr04.g10507.m1	Tandem
	CshOMT13	Chr04.g10508.m1	Tandem
<i>Corydalis tomentella</i>	CshOMT14	Chr04.g10509.m1	Tandem
	CshOMT15	Chr04.g10510.m1	Tandem
	CshOMT16	Chr04.g10511.m1	Tandem
	CshOMT17	Chr04.g12000.m1	Tandem
	CshOMT18	Chr04.g12001.m1	Tandem
	CshOMT19	Chr04.g12026.m1	Dispersed
	CshOMT20	Chr04.g12150.m1	Dispersed
	CshOMT21	Chr06.g18090.m1	Dispersed
	CshOMT22	Chr06.g18103.m1	Dispersed
	CshOMT23	Chr08.g24971.m1	Tandem
<i>Corydalis tomentella</i>	CshOMT24	Chr08.g24975.m1	Tandem
	Cto4'OMT	contig7A15T244.1	Dispersed
	Cto6OMT	contig8A30T137.1	Proximal
	Cto9OMT	contig31A21T126.1	Dispersed
	CtoOMT1	contig1R33T23.1	Tandem
	CtoOMT2	contig1R33T24.1	Tandem
	CtoOMT3	contig1R33T25.1	Tandem
	CtoOMT4	contig1R33T27.1	Tandem
	CtoOMT5	contig7R8T20.1	Dispersed
	CtoOMT6	contig7R17T13.1	Dispersed
<i>Corydalis tomentella</i>	CtoOMT7	contig8A29T84.1	Proximal
	CtoOMT8	contig8R29T24.1	Proximal
	CtoOMT9	contig11A19T248.1	Dispersed
	CtoOMT10	contig23A13T106.1	Dispersed
	CtoOMT11	contig44A5T120.1	Dispersed
	CtoOMT12	contig44R6T22.1	Dispersed
	CtoOMT13	contig45A9T133.1	Tandem
	CtoOMT14	contig45A9T134.1	Tandem
	CtoOMT15	contig45A9T135.1	Tandem
	CtoOMT16	contig45A9T137.1	Tandem

	CtoOMT17	contig45A9T138.1	Tandem
<i>Chelidonium majus</i>	CmaOMT01	scaffold-XMVD-2013470-Chelidonium_majus	
	CmaOMT02	scaffold-XMVD-2012621-Chelidonium_majus	
	CmaOMT03	scaffold-XMVD-2050653-Chelidonium_majus	
	CmaOMT04	scaffold-XMVD-2050674-Chelidonium_majus	
	CmaOMT05	scaffold-XMVD-2011672-Chelidonium_majus	
	CmaOMT06	scaffold-XMVD-2007986-Chelidonium_majus	
	CmaOMT07	scaffold-XMVD-2050914-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseOMT01	scaffold-AUGV-2053180-Capnoides_sempervirens	
	CseOMT02	scaffold-AUGV-2009277-Capnoides_sempervirens	
	CseOMT03	scaffold-AUGV-2004411-Capnoides_sempervirens	
	CseOMT04	scaffold-AUGV-2052373-Capnoides_sempervirens	
	CseOMT05	scaffold-AUGV-2001073-Capnoides_sempervirens	
	CseOMT06	scaffold-AUGV-2005838-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveOMT01	scaffold-UDHA-2009497-Ceratocapnos_vesicaria	
	CveOMT02	scaffold-UDHA-2009496-Ceratocapnos_vesicaria	
	CveOMT03	scaffold-UDHA-2017031-Ceratocapnos_vesicaria	
	CveOMT04	scaffold-UDHA-2020074-Ceratocapnos_vesicaria	
	CveOMT05	scaffold-UDHA-2020075-Ceratocapnos_vesicaria	
	CveOMT06	scaffold-UDHA-2014912-Ceratocapnos_vesicaria	
	CveOMT07	scaffold-UDHA-2020736-Ceratocapnos_vesicaria	
	CveOMT08	scaffold-UDHA-2028033-Ceratocapnos_vesicaria	
	CveOMT09	scaffold-UDHA-2002568-Ceratocapnos_vesicaria	
	CveOMT10	scaffold-UDHA-2002567-Ceratocapnos_vesicaria	
	CveOMT11	scaffold-UDHA-2001350-Ceratocapnos_vesicaria	
	CveOMT12	scaffold-UDHA-2001349-Ceratocapnos_vesicaria	
	CveOMT13	scaffold-UDHA-2004413-Ceratocapnos_vesicaria	
	CveOMT14	scaffold-UDHA-2004412-Ceratocapnos_vesicaria	
<i>Hypecoum procumbens</i>	HprOMT01	scaffold-NMGG-2062133-Hypecoum_procumbens	
	HprOMT02	scaffold-NMGG-2013813-Hypecoum_procumbens	
	HprOMT03	scaffold-NMGG-2000958-Hypecoum_procumbens	
	HprOMT04	scaffold-NMGG-2000960-Hypecoum_procumbens	
	HprOMT05	scaffold-NMGG-2000959-Hypecoum_procumbens	
	HprOMT06	scaffold-NMGG-2005780-Hypecoum_procumbens	
	HprOMT07	scaffold-NMGG-2062902-Hypecoum_procumbens	
	HprOMT08	scaffold-NMGG-2001366-Hypecoum_procumbens	
	HprOMT09	scaffold-NMGG-2001749-Hypecoum_procumbens	
	HprOMT10	scaffold-NMGG-2005297-Hypecoum_procumbens	
	HprOMT11	scaffold-NMGG-2064413-Hypecoum_procumbens	
	HprOMT12	scaffold-NMGG-2061678-Hypecoum_procumbens	
	HprOMT13	scaffold-NMGG-2062856-Hypecoum_procumbens	
	HprOMT14	scaffold-NMGG-2003547-Hypecoum_procumbens	
	HprOMT15	scaffold-NMGG-2061290-Hypecoum_procumbens	
<i>Eschscholzia californica</i>	EcaOMT01	Eca_sc007259.1_g0850.1	
	EcaOMT02	Eca_sc194712.1_g1010.1	
	EcaOMT03	Eca_sc183659.1_g0940.1	
	EcaOMT04	Eca_sc185174.1_g0010.1	
	EcaOMT05	Eca_sc185174.1_g0020.1	
	EcaOMT06	Eca_sc001010.1_g2290.1	
	EcaOMT07	Eca_sc005409.1_g0280.1	
	EcaOMT08	Eca_sc000377.1_g1260.1	
	EcaOMT09	Eca_sc000360.1_g1750.1	
	EcaOMT10	Eca_sc194713.1_g0040.1	
	EcaOMT11	Eca_sc194758.1_g0330.1	
	EcaOMT12	Eca_sc194758.1_g0340.1	
	EcaOMT13	Eca_sc000093.1_g1110.1	
	EcaOMT14	Eca_sc002590.1_g0260.1	
	EcaOMT15	Eca_sc049015.1_g1630.1	
	EcaOMT16	Eca_sc000360.1_g1780.1	
	EcaOMT17	Eca_sc002105.1_g0050.1	

	EcaOMT18	Eca_sc194664.1_g0270.1
	EcaOMT19	Eca_sc194664.1_g0200.1
	EcaOMT20	Eca_sc002105.1_g0060.1
	EcaOMT21	Eca_sc049015.1_g1580.1
	EcaOMT22	Eca_sc002105.1_g0030.1
	EcaOMT23	Eca_sc049015.1_g1670.1
	EcaOMT24	Eca_sc194464.1_g0650.1
	EcaOMT25	Eca_sc000145.1_g1060.1
	EcaOMT26	Eca_sc000145.1_g1100.1
	EcaOMT27	Eca_sc000360.1_g1760.1
	EcaOMT28	Eca_sc001053.1_g0160.1
	EcaOMT29	Eca_sc001053.1_g0120.1
	EcaOMT30	Eca_sc194669.1_g1030.1
	EcaOMT31	Eca_sc001053.1_g0050.1
	EcaOMT32	Eca_sc194701.1_g0110.1
	EcaOMT33	Eca_sc006103.1_g0260.1
	EcaOMT34	Eca_sc006103.1_g0250.1
	EcaOMT35	Eca_sc194701.1_g0080.1
	EcaOMT36	Eca_sc194701.1_g0070.1
	EcaOMT37	Eca_sc010606.1_g1070.1
	EcaOMT38	Eca_sc003893.1_g1170.1+Eca_sc194007.1_g0010.1
	EcaOMT39	Eca_sc004515.1_g0040.1
	EcaOMT40	Eca_sc049015.1_g1930.1
	EcaOMT41	Eca_sc005295.1_g0680.1
<i>Macleaya cordata</i>	McoOMT01	MVGT01001847.1_cds_OVA10701.1_11634
	McoOMT02	MVGT01000613.1_cds_OVA16209.1_11483
	McoOMT03	MVGT01001698.1_cds_OVA11360.1_17658
	McoOMT04	MVGT01001698.1_cds_OVA11359.1_17657
	McoOMT05	MVGT01004385.1_cds_OVA00005.1_14178
	McoOMT06	MVGT01004385.1_cds_OVA00007.1_14180
	McoOMT07	MVGT01004385.1_cds_OVA00009.1_14182
	McoOMT08	MVGT01004291.1_cds_OVA00532.1_20229
	McoOMT09	MVGT01003871.1_cds_OVA03035.1_6701
	McoOMT10	MVGT01004385.1_cds_OVA00010.1_14183
	McoOMT11	MVGT01000347.1_cds_OVA18941.1_1045
	McoOMT12	MVGT01004501.1_cds_OUZ99371.1_13879
	McoOMT13	MVGT01000164.1_cds_OVA19914.1_9459
	McoOMT14	MVGT01000437.1_cds_OVA17924.1_8083
	McoOMT15	MVGT01001099.1_cds_OVA13718.1_5673
<i>Papaver somniferum</i>	PsoOMT01	Pso02G21030.0
	PsoOMT02	PsoUNG31210.0
	PsoOMT03	Pso10G34240.0
	PsoOMT04	Pso10G34210.0
	PsoOMT05	PsoUNG10230.0
	PsoOMT06	PsoUNG21320.0
	PsoOMT07	Pso02G21250.0
	PsoOMT08	Pso02G34160.0
	PsoOMT09	Pso02G68420.0
	PsoOMT10	Pso02G59460.0
	PsoOMT11	PsoUNG10240.0
	PsoOMT12	Pso05G43960.0
	PsoOMT13	Pso01G11570.0
	PsoOMT14	Pso02G26800.0
	PsoOMT15	Pso02G61080.0
	PsoOMT16	Pso02G32570.0
	PsoOMT17	Pso04G00300.0
	PsoOMT18	PsoUNG10250.0
	PsoOMT19	Pso10G34260.0
	PsoOMT20	PsoUNG10290.0
	PsoOMT21	Pso02G21220.0

PsoOMT22	Pso02G33600.0
PsoOMT23	Pso02G60190.0
PsoOMT24	Pso03G56210.0
PsoOMT25	Pso10G00430.0
PsoOMT26	Pso04G00280.0
PsoOMT27	Pso02G66090.0
PsoOMT28	Pso04G00420.0
PsoOMT29	Pso02G61130.0_1
PsoOMT30	Pso02G61130.0_2
PsoOMT31	Pso02G32520.0
PsoOMT32	Pso05G55010.0
PsoOMT33	Pso09G30130.0
PsoOMT34	PsoUNG11710.0
PsoOMT35	Pso05G51410.0
PsoOMT36	Pso09G30140.0
PsoOMT37	Pso05G51440.0
PsoOMT38	Pso11G10670.0
PsoOMT39	Pso05G51450.0
PsoOMT40	Pso09G30070.0
PsoOMT41	Pso05G51470.0_1
PsoOMT42	Pso05G51470.0_2
PsoOMT43	Pso05G51480.0_1
PsoOMT44	Pso05G51480.0_2
PsoOMT45	Pso05G55030.0
PsoOMT46	Pso11G10720.0
PsoOMT47	Pso11G10530.0
PsoOMT48	Pso09G30050.0
PsoOMT49	Pso02G59450.0
PsoOMT50	PsoUNG21340.0
PsoOMT51	Pso09G30080.0
PsoOMT52	Pso11G10690.0
PsoOMT53	Pso02G19440.0
PsoOMT54	Pso03G14600.0
PsoOMT55	Pso04G00330.0
PsoOMT56	Pso08G19200.0
PsoOMT57	Pso07G29090.0
PsoOMT58	Pso03G03890.0
PsoOMT59	Pso02G25160.0
PsoOMT60	Pso01G25450.0
PsoOMT61	Pso06G32070.0
PsoOMT62	Pso03G30760.0
PsoOMT63	Pso02G69230.0
PsoOMT64	Pso11G27510.0
PsoOMT65	Pso09G12290.0
PsoOMT66	Pso05G52090.0
PsoOMT67	Pso06G09470.0
PsoOMT68	Pso01G32320.0
PsoOMT69	Pso06G25390.0
PsoOMT70	Pso02G28400.0
PsoOMT71	Pso05G52070.0
PsoOMT72	Pso01G02730.0
AcoOMT01	Aqcoe0440s0001.1
AcoOMT02	Aqcoe0440s0003.1
AcoOMT03	Aqcoe1G187100.1
AcoOMT04	Aqcoe1G187200.1
AcoOMT05	Aqcoe2G285200.1
AcoOMT06	Aqcoe4G135300.1
AcoOMT07	Aqcoe4G288500.1
AcoOMT08	Aqcoe4G288900.1
AcoOMT09	Aqcoe4G289900.1

Aquilegia coerulea

	AcoOMT10	Aqcoe4G291800.1	
	AcoOMT11	Aqcoe5G014700.1	
	AcoOMT12	Aqcoe5G014800.1	
	AcoOMT13	Aqcoe5G015200.1	
	AcoOMT14	Aqcoe5G015400.1	
	AcoOMT15	Aqcoe5G015700.1	
	AcoOMT16	Aqcoe5G015900.1	
	AcoOMT17	Aqcoe6G153500.1	
	AcoOMT18	Aqcoe6G153700.1	
	AcoOMT19	Aqcoe6G282000.2	
	AcoOMT20	Aqcoe7G148200.1	
	AcoOMT21	Aqcoe7G154400.1	
	AcoOMT22	Aqcoe7G278100.1	
	AcoOMT23	Aqcoe1G247300.1	
	AcoOMT24	Aqcoe1G247400.1	
	AcoOMT25	Aqcoe1G249300.1	
	AcoOMT26	Aqcoe1G249400.1	
	AcoOMT27	Aqcoe4G221300.1	
	AcoOMT28	Aqcoe2G407700.1	
	AcoOMT29	Aqcoe2G408500.1	
	AcoOMT30	Aqcoe4G251300.1	
	AcoOMT31	Aqcoe5G126900.1	
	AcoOMT32	Aqcoe1G320200.1	
	AcoOMT33	Aqcoe5G201100.1	
	AcoOMT34	Aqcoe5G201500.1	
	AcoOMT35	Aqcoe7G037600.1	
	AcoOMT36	Aqcoe7G087200.1	
	AcoOMT37	Aqcoe7G115300.1	
	AcoOMT38	Aqcoe1G122200.1	
<i>Corydalis shearerii</i>	CshCMT01	Chr01.g01394.m1	Proximal
	CshCMT02	Chr01.g01397.m1	Proximal
	CshCMT03	Chr01.g03210.m1	Dispersed
	CshCMT04	Chr01.g03628.m1	WGD or Segmental
	CshCMT05	Chr03.g08465.m1_1	Tandem
	CshCMT06	Chr03.g08465.m1_2	Tandem
	CshCMT07	Chr04.g12239.m1	Dispersed
	CshCMT08	Chr04.g13575.m1	Dispersed
	CshCMT09	Chr05.g14408.m1	WGD or Segmental
	CshCMT10	Chr05.g16097.m1_1	Tandem
	CshCMT11	Chr05.g16097.m1_2	Tandem
	CshCMT12	Chr05.g16099.m1	Tandem
	CshCMT13	Chr05.g16100.m1	Tandem
	CshCMT14	Chr05.g16101.m1_1	Tandem
	CshCMT15	Chr05.g16101.m1_2	Tandem
	CshCMT16	Chr05.g16102.m1	Tandem
	CshCMT17	Chr05.g16104.m1+Chr05.g	Tandem
	CshCMT18	Chr05.g16105.m1	Tandem
	CshCMT19	Chr05.g16501.m1	WGD or Segmental
	CshCMT20	Chr06.g19525.m1	Dispersed
	CshCMT21	Chr07.g21450.m1	WGD or Segmental
	CshCMT22	Chr08.g24570.m1	Dispersed
<i>Corydalis tomentella</i>	CtoCMT1	contig14A4T182.1	Dispersed
	CtoCMT2	contig22A18T123.1	Dispersed
	CtoCMT3	contig29A23T171.1	Dispersed
	CtoCMT4	contig2A5T189.1	Proximal
	CtoCMT5	contig2R5T20.1	Tandem
	CtoCMT6	contig2R5T21.1	Tandem
	CtoCMT7	contig2R5T23.1	Tandem
	CtoCMT8	contig2R5T26.1	Tandem
	CtoCMT9	contig2R5T27.1	Tandem

	CtoCMT10	contig2R66T23.1	WGD or Segmental
	CtoCMT11	contig34A11T163.1	Dispersed
	CtoCMT12	contig40R5T16.1	WGD or Segmental
	CtoCMT13	contig4A35T127.1	Dispersed
	CtoCMT14	contig4A62T167.1	WGD or Segmental
	CtoCMT15	contig59A13T111.1	Tandem
	CtoCMT16	contig59R13T11.1	Tandem
	CtoCMT17	contig63A11T216.1	Dispersed
	CtoCMT18	contig7R1T29.1	Dispersed
	CtoCMT19	contig97A2T69.1	WGD or Segmental
<i>Chelidonium majus</i>	CmaCMT01	scaffold-XMVD-2007195-Chelidonium_majus	
	CmaCMT02	scaffold-XMVD-2002445-Chelidonium_majus	
	CmaCMT03	scaffold-XMVD-2002160-Chelidonium_majus	
	CmaCMT04	scaffold-XMVD-2008669-Chelidonium_majus	
	CmaCMT05	scaffold-XMVD-2047302-Chelidonium_majus	
	CmaCMT06	scaffold-XMVD-2002161-Chelidonium_majus	
	CmaCMT07	scaffold-XMVD-2043342-Chelidonium_majus	
	CmaCMT08	scaffold-XMVD-2051115-Chelidonium_majus	
	CmaCMT09	scaffold-XMVD-2007197-Chelidonium_majus	
	CmaCMT10	scaffold-XMVD-2050647-Chelidonium_majus	
	CmaCMT11	scaffold-XMVD-2050325-Chelidonium_majus	
	CmaCMT12	scaffold-XMVD-2000202-Chelidonium_majus	
<i>Capnoides sempervirens</i>	CseCMT01	scaffold-AUGV-2005418-Capnoides_sempervirens	
	CseCMT02	scaffold-AUGV-2011564-Capnoides_sempervirens	
	CseCMT03	scaffold-AUGV-2008126-Capnoides_sempervirens	
	CseCMT04	scaffold-AUGV-2009110-Capnoides_sempervirens	
	CseCMT05	scaffold-AUGV-2052217-Capnoides_sempervirens	
	CseCMT06	scaffold-AUGV-2007758-Capnoides_sempervirens	
	CseCMT07	scaffold-AUGV-2043220-Capnoides_sempervirens	
	CseCMT08	scaffold-AUGV-2053130-Capnoides_sempervirens	
	CseCMT09	scaffold-AUGV-2012029-Capnoides_sempervirens	
	CseCMT10	scaffold-AUGV-2053579-Capnoides_sempervirens	
	CseCMT11	scaffold-AUGV-2053347-Capnoides_sempervirens	
	CseCMT12	scaffold-AUGV-2009608-Capnoides_sempervirens	
<i>Ceratocapnos vesicaria</i>	CveCMT01	scaffold-UDHA-2023959-Ceratocapnos_vesicaria	
	CveCMT02	scaffold-UDHA-2097528-Ceratocapnos_vesicaria	
	CveCMT03	scaffold-UDHA-2024568-Ceratocapnos_vesicaria	
	CveCMT04	scaffold-UDHA-2022274-Ceratocapnos_vesicaria	
	CveCMT05	scaffold-UDHA-2094087-Ceratocapnos_vesicaria	
	CveCMT06	scaffold-UDHA-2010818-Ceratocapnos_vesicaria	
	CveCMT07	scaffold-UDHA-2097678-Ceratocapnos_vesicaria	
	CveCMT08	scaffold-UDHA-2005266-Ceratocapnos_vesicaria	
	CveCMT09	scaffold-UDHA-2096145+scaffold-UDHA-2086052	
	CveCMT10	scaffold-UDHA-2009691-Ceratocapnos_vesicaria	
<i>Hypecoum procumbens</i>	HprCMT01	scaffold-NMGG-2004179-Hypecoum_procumbens	
	HprCMT02	scaffold-NMGG-2006240-Hypecoum_procumbens	
	HprCMT03	scaffold-NMGG-2012519-Hypecoum_procumbens	
	HprCMT04	scaffold-NMGG-2013144-Hypecoum_procumbens	
	HprCMT05	scaffold-NMGG-2013497-Hypecoum_procumbens	
	HprCMT06	scaffold-NMGG-2055221-Hypecoum_procumbens	
	HprCMT07	scaffold-NMGG-2057125-Hypecoum_procumbens	
	HprCMT08	scaffold-NMGG-2058429-Hypecoum_procumbens	
	HprCMT09	scaffold-NMGG-2059485-Hypecoum_procumbens	
	HprCMT10	scaffold-NMGG-2061725-Hypecoum_procumbens	
	HprCMT11	scaffold-NMGG-2061874-Hypecoum_procumbens	
	HprCMT12	scaffold-NMGG-2062155-Hypecoum_procumbens	
	HprCMT13	scaffold-NMGG-2062173-Hypecoum_procumbens	
	HprCMT14	scaffold-NMGG-2062596-Hypecoum_procumbens	
	HprCMT15	scaffold-NMGG-2062725-Hypecoum_procumbens	
	HprCMT16	scaffold-NMGG-2064137-Hypecoum_procumbens	

<i>Eschscholzia californica</i>	EcaCMT01	Eca_sc001060.1_g0630.1
	EcaCMT02	Eca_sc001904.1_g0390.1
	EcaCMT03	Eca_sc194544.1_g0500.1
	EcaCMT04	Eca_sc194509.1_g1370.1
	EcaCMT05	Eca_sc033201.1_g0360.1
	EcaCMT06	Eca_sc009026.1_g0020.1
	EcaCMT07	Eca_sc009026.1_g0110.1
	EcaCMT08	Eca_sc009026.1_g0010.1
	EcaCMT09	Eca_sc016925.1_g0040.1
	EcaCMT10	Eca_sc000187.1_g0510.1
	EcaCMT11	Eca_sc194597.1_g0010.1
	EcaCMT12	Eca_sc033284.1_g0010.1
	EcaCMT13	Eca_sc045072.1_g0010.1
	EcaCMT14	Eca_sc002166.1_g0320.1
	EcaCMT15	Eca_sc190066.1_g0010.1
	EcaCMT16	Eca_sc023006.1_g0030.1
	EcaCMT17	Eca_sc185048.1_g0160.1
	EcaCMT18	Eca_sc000081.1_g2550.1
	EcaCMT19	Eca_sc183658.1_g0060.1
	EcaCMT20	Eca_sc001689.1_g0070.1
	EcaCMT21	Eca_sc001563.1_g0710.1
	EcaCMT22	Eca_sc001512.1_g0240.1
<i>Macleaya cordata</i>	McoCMT01	MVGT01001059.1_cds_OVA14239.1_18093
	McoCMT02	MVGT01003659.1_cds_OVA03623.1_10862
	McoCMT03	MVGT01001338.1_cds_OVA12886.1_6588
	McoCMT04	MVGT01003215.1_cds_OVA04862.1_14587
	McoCMT05	MVGT01003215.1_cds_OVA04860.1_14585
	McoCMT06	MVGT01003464.1_cds_OVA03904.1_1603
	McoCMT07	MVGT01002723.1_cds_OVA06745.1_9580
	McoCMT08	MVGT01000150.1_cds_OVA20049.1_4104
	McoCMT09	MVGT01002292.1_cds_OVA08750.1_11324_1
	McoCMT10	MVGT01002292.1_cds_OVA08750.1_11324_2
	McoCMT11	MVGT01001101.1_cds_OVA13676.1_5652
	McoCMT12	MVGT01002292.1_cds_OVA08749.1_11323
	McoCMT13	MVGT01003729.1_cds_OVA03328.1_2486
	McoCMT14	MVGT01002240.1_cds_OVA08873.1_15339
	McoCMT15	MVGT01000727.1_cds_OVA15971.1_7082
	McoCMT16	MVGT01000187.1_cds_OVA19403.1_18817
	McoCMT17	MVGT01000436.1_cds_OVA18418.1_7725
	McoCMT18	MVGT01004039.1_cds_OVA01721.1_19437
<i>Papaver somniferum</i>	PsoCMT01	Pso03G00460.0
	PsoCMT02	Pso02G19180.0
	PsoCMT03	Pso04G12570.0
	PsoCMT04	Pso02G61670.0
	PsoCMT05	Pso11G07200.0
	PsoCMT06	Pso09G34010.0
	PsoCMT07	Pso04G12580.0
	PsoCMT08	Pso03G32060.0
	PsoCMT09	Pso08G11780.0
	PsoCMT10	Pso03G00380.0
	PsoCMT11	Pso02G32230.0
	PsoCMT12	Pso01G42070.0
	PsoCMT13	Pso06G14870.0
	PsoCMT14	Pso06G29980.0
	PsoCMT15	Pso01G27630.0
	PsoCMT16	Pso02G62580.0
	PsoCMT17	Pso02G24290.0
	PsoCMT18	Pso10G00420.0
	PsoCMT19	Pso06G29690.0
	PsoCMT20	Pso08G02260.0

	PsoCMT21	Pso02G31350.0
	PsoCMT22	Pso03G56240.0
	PsoCMT23	Pso06G29680.0
	PsoCMT24	Pso06G29950.0
	PsoCMT25	Pso01G34790.0
	PsoCMT26	Pso03G56220.0
	PsoCMT27	Pso06G29960.0
	PsoCMT28	Pso06G22560.0
	PsoCMT29	Pso01G27600.0
	PsoCMT30	Pso02G62400.0
	PsoCMT31	Pso11G24560.0
	PsoCMT32	Pso09G15280.0
	PsoCMT33	Pso01G27920.0_1
	PsoCMT34	Pso01G27920.0_2
	PsoCMT35	Pso02G01320.0
	PsoCMT36	Pso03G37320.0
	PsoCMT37	Pso06G26050.0
	PsoCMT38	Pso01G31740.0
	PsoCMT39	Pso09G18580.0
	PsoCMT40	Pso02G68320.0
	PsoCMT41	Pso11G21920.0
	PsoCMT42	Pso02G32430.0
	PsoCMT43	Pso02G61290.0
	PsoCMT44	Pso05G17170.0
	PsoCMT45	Pso04G19400.0
	PsoCMT46	Pso04G19410.0
	PsoCMT47	Pso05G17160.0
<i>Aquilegia coerulea</i>	AcoCMT01	Aqcoe6G269200.1
	AcoCMT02	Aqcoe6G269100.1
	AcoCMT03	Aqcoe1G124400.2
	AcoCMT04	Aqcoe4G243400.1
	AcoCMT05	Aqcoe4G217500.1
	AcoCMT06	Aqcoe4G314400.1
	AcoCMT07	Aqcoe4G295400.1
	AcoCMT08	Aqcoe4G314600.1
	AcoCMT09	Aqcoe6G125600.1
	AcoCMT10	Aqcoe6G126000.1
	AcoCMT11	Aqcoe1G289400.1
	AcoCMT12	Aqcoe6G125900.1
	AcoCMT13	Aqcoe6G125800.1
	AcoCMT14	Aqcoe6G126200.1
	AcoCMT15	Aqcoe6G169300.1
	AcoCMT16	Aqcoe1G289500.1
	AcoCMT17	Aqcoe6G126100.1
	AcoCMT18	Aqcoe1G290800.1
	AcoCMT19	Aqcoe5G422800.1
	AcoCMT20	Aqcoe1G334600.1
	AcoCMT21	Aqcoe5G128600.1
	AcoCMT22	Aqcoe1G028800.1
	AcoCMT23	Aqcoe6G190400.1
	AcoCMT24	Aqcoe6G190500.1
	AcoCMT25	Aqcoe3G003000.1
