OG_104018

★Interspecific gene duplication event

Glycine_max_lcl\NC_038243.2_cds_XP_003528559.1 25167 Glycine_max_lcl\NC_038243.2_cds_XP_040873329.1_25166 Glycine_max_lcl\NC_038256.2_cds_XP_003556691.1_70956 Phaseolus vulgaris Phvul.002G102100.1 1 Phaseolus vulgaris Phvul.002G102100.2 Arachis_hypogaea_lcl\NC_037630.1_cds_XP_025639156.1_62554 ★1 Arachis_ipaensis_lcl\NC_029787.2_cds_XP_016190884.1_16662 1 | Arachis_duranensis_lcl\NC_029774.2_cds_XP_015957253.1_15960 ¹ Arachis_hypogaea_lcl\NC_037620.1_cds_XP_025690844.1_14445 Medicago_truncatula_lcl\NC_053045.1_cds_XP_003607805.1_20690 Cercis chinensis GWHTBHAK015698 Populus_trichocarpa_Potri.010G158700.8 ¬ Prunus_persica_Prupe.1G286500.1 1 Arabidopsis thaliana AT2G03510.1 - Cucumis sativus Cucsa.327820.1\PACid16978106 ¬ Actinidia_chinensis_Actinidia16169.t2 1— Mimulus guttatus Migut.L01194.1 Coffea_canephora_lcl\HG974438.1_cds_CDP00430.1_5055 ¹ _□ Helianthus_annuus_HanXRQChr15g0477081 1 Helianthus annuus HanXROChr12g0375271 Vitis_vinifera_VIT_201s0011g00540.1 Liriodendron_tulipifera_Litul.17G080400.1 Liriodendron_tulipifera_Litul.17G080400.2 Cinnamomum kanehirae_CKAN_00113600 Nymphaea colorata Nycol. G00268.8 1 Nymphaea_colorata_Nycol.G00268.3 Nymphaea_colorata_Nycol.G00268.9 Nymphaea_colorata_Nycol.G00268.6 $\sqrt{Nymphaea}$ colorata Nycol. G00268.2 ¹ Nymphaea_colorata_Nycol.G00268.7 Nymphaea colorata Nycol. G00268.1 ¹ Nymphaea_colorata_Nycol.G00268.5 1 Nymphaea_colorata_Nycol.G00268.13 1 Nymphaea colorata Nycol. G00268.11 Nymphaea colorata Nycol. G00268.10 Nymphaea_colorata_Nycol.G00268.4 Nymphaea colorata Nycol. G00268.12 Nymphaea colorata Nycol. G00271.1 ¹ Nymphaea colorata Nycol. G00271.2 - Amborella trichopoda AmTrH1.10G002400.1 Brachypodium distachyon Bradi1q16210.1 Brachypodium distachyon Bradi1q16210.2 Brachypodium_distachyon_Bradi1g16210.3 Oryza_sativa_LOC_Os03g30790.1 Asparagus officinalis evm.model.AsparagusV1 08.1540 Ceratopteris richardii Ceric.06G064100.2 Teratopteris_richardii_Ceric.06G064100.1 Ceratopteris_richardii_Ceric.35G046800.1 Marchantia polymorpha Mapoly0041s0056.1 ¹ Marchantia polymorpha Mapoly0041s0056.2

Glycine max Glycine_max Glycine_max Phaseolus vulgaris Phaseolus vulgaris Arachis hypogaea Arachis_ipaensis Arachis duranensis Arachis_hypogaea Medicago_truncatula Cercis chinensis Populus_trichocarpa Prunus persica Arabidopsis_thaliana Cucumis sativus Actinidia chinensis Mimulus guttatus Coffea canephora Helianthus_annuus Helianthus annuus Vitis vinifera Liriodendron_tulipifera Liriodendron_tulipifera Nymphaea colorata Nymphaea colorata Nymphaea_colorata Nymphaea_colorata Nymphaea_colorata Nymphaea colorata Nymphaea colorata Nymphaea_colorata Nymphaea_colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Amborella trichopoda Brachypodium distachyon Brachypodium distachyon Brachypodium_distachyon Oryza sativa Asparagus officinalis Ceratopteris richardii Ceratopteris richardii Ceratopteris richardii Marchantia polymorpha Marchantia polymorpha

Fabaceae Salicaceae Rosaceae Brassicaceae Actinidiaceae Phrymaceae Rubiaceae Asteraceae Asteraceae Vitaceae Ranunculaceae Magnoliaceae Magnoliaceae Lauraceae Nymphaeaceae Amborellaceae Poaceae Poaceae Poaceae Poaceae Asparagaceae Marchantiaceae Marchantiaceae

Fabales **Malpighiales** Brassicales Ericales Lamiales Gentianales **Asterales** Asterales **Vitales** Ranunculales Magnoliales Magnoliales Laurales Nymphaeales *Amborellales* Poales Poales **Poales Poales** Asparagales Salviniales Salviniales Salviniales *Marchantiales* Marchantiales