OG_104009

★Interspecific gene duplication event

Glycine max lcl\NC 038244.2 cds XP 040873803.1 25918 Glycine_max_lcl\NC_038244.2_cds_XP_003532354.1_25921 Glycine_max_lcl\NC_038244.2_cds_XP_040873805.1_25920 Glycine_max_lcl\NC_038244.2_cds_XP_040873804.1_25919 1 | Glycine_max_lcl|NC_038244.2_cds_XP_025985257.1_25923 1 Glycine_max_lcl\NC_038244.2_cds_XP_014634102.1_25924 Glycine_max_lcl\NC_038244.2_cds_XP_025985258.1_25922 Glycine_max_lcl\NC_038241.2_cds_XP_003525434.1_17022 Phaseolus_vulgaris_Phvul.002G282000.1 Medicago_truncatula_lcl\NC_053049.1_cds_XP_003630590.1_41742 Arachis_hypogaea_lcl\NC_037635.1_cds_XP_025671130.1_89740 Arachis_ipaensis_lcl\NC_029792.2_cds_XP_016170580.1_45742 Arachis_duranensis_lcl\NC_029779.2_cds_XP_015937783.1_41901 Arachis_hypogaea_lcl\NC_037625.1_cds_XP_025616030.1_37842 Cercis chinensis GWHTBHAK012847 Cucumis_sativus_Cucsa.138460.1\PACid16963257 1 Cucumis sativus Cucsa.138460.2\PACid16963258 Prunus_persica_Prupe.5G142700.1 1 Prunus_persica_Prupe.5G142700.4 Prunus persica Prupe.5G142700.2 Prunus_persica_Prupe.5G142700.3 Populus trichocarpa Potri.015G105600.2 ¹ Populus_trichocarpa_Potri.012G106200.4 1 Arabidopsis_thaliana_AT5G61970.1 Vitis_vinifera_VIT_217s0000g00300.1 Solanum lycopersicum Solyc03q093970 Solanum_lycopersicum_Solyc02q062810 Coffea_canephora_lcl\HG974436.1_cds_CDP17305.1_21672 Mimulus_guttatus_Migut.100617.1 Helianthus_annuus_HanXRQChr09g0273891 ¹ - Actinidia_chinensis_Actinidia18306.t2 1 Actinidia chinensis Actinidia 36840.t1 Aquilegia_coerulea_Aqcoe4G028800.2 1 Aquilegia_coerulea_Aqcoe4G028800.1 — Aquilegia_coerulea_Aqcoe5G128000.1 Liriodendron tulipifera Litul.09G039600.1 Liriodendron_tulipifera_Litul.09G039600.2 Liriodendron_tulipifera_Litul.09G039600.3 Liriodendron tulipifera Litul.03G027300.1 Brachypodium distachyon Bradi3q07210.3 Brachypodium_distachyon_Bradi3g07210.4 Brachypodium_distachyon_Bradi3g07210.1 Oryza_sativa_LOC_Os08g23360.1 Asparagus_officinalis_evm.model.AsparagusV1_03.2447 Nymphaea colorata Nycol.A02819.1 - Amborella trichopoda AmTrH1.01G034800.1 | Ceratopteris richardii Ceric.38G038400.2 1 Ceratopteris richardii Ceric.38G038400.1 – Marchantia polymorpha Mapoly0153s0017.1 Ginkgo biloba evm.model.chr3.1640 Ginkgo biloba

Glycine max Glycine_max Glycine_max Glycine_max Glycine max Glycine_max Glycine_max Glycine max Phaseolus_vulgaris Medicago truncatula Arachis hypogaea Arachis_ipaensis Arachis duranensis Arachis_hypogaea Cercis chinensis Cucumis_sativus Cucumis sativus Prunus persica Prunus_persica Prunus_persica Prunus persica Populus trichocarpa Populus_trichocarpa Arabidopsis_thaliana Vitis vinifera Solanum lycopersicum Solanum lycopersicum Coffea_canephora Mimulus_guttatus Helianthus annuus Actinidia chinensis Actinidia chinensis Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Brachypodium distachyon Brachypodium distachyon Brachypodium distachyon Oryza sativa Asparagus officinalis Nymphaea colorata Amborella trichopoda Ceratopteris richardii Ceratopteris richardii Marchantia polymorpha

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

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