OG_104035

★Interspecific gene duplication event

Arachis_duranensis_lcl\NC_029777.2_cds_XP_015968603.1_28668 Arachis_duranensis_lcl\NC_029777.2_cds_XP_015968601.1_28666 Arachis_duranensis_lcl\NC_029777.2_cds_XP_015968602.1_28667 Arachis_hypogaea_lcl\NC_037623.1_cds_XP_025603679.1_26203 Arachis_hypogaea_lcl\NC_037623.1_cds_XP_025603678.1_26202 Arachis_hypogaea_lcl\NC_037633.1_cds_XP_025662478.1_76136

★1 Arachis_ipaensis_lcl\NC_029790.2_cds_XP_016205540.1_31314 Arachis_ipaensis_lcl|NC_029790.2_cds_XP_016205539.1_31313 Arachis_ipaensis_lcl\NC_029790.2_cds_XP_016205541.1_31315 Arachis_hypogaea_lcl\NC_037633.1_cds_XP_025662479.1_76137 Arachis_hypogaea_lcl\NC_037631.1_cds_XP_025644873.1_65498 ¹ Arachis_ipaensis_lcl\NC_029788.2_cds_XP_016196568.1_20071 — Arachis_hypogaea_lcl\NC_037629.1_cds_XP_025635739.1_53257 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_025632673.1_53504 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_016183216.1_7009 *1 Arachis_ipaensis_lcl|NC_029786.2_cds_XP_016183217.1_7010 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_025632672.1_53503 Arachis_duranensis_lcl\NC_029780.2_cds_XP_015940205.1_44638 ¹ Arachis_hypogaea_lcl\NC_037626.1_cds_XP_025619289.1_40276 Arachis_duranensis_lcl\NC_029773.2_cds_XP_015949104.1_6792 ★ Arachis_hypogaea_lcl\NC_037619.1_cds_XP_025646807.1_6168 *1 Arachis_hypogaea_lcl\NC_037619.1_cds_XP_025646798.1_6167 ¹ | Arachis_duranensis_lcl|NC_029773.2_cds_XP_015949103.1_6791 - Medicago_truncatula_lcl\NC_053042.1_cds_XP_013468972.1_3925 Glycine_max_lcl\NC_038256.2_cds_NP_001236874.1_73580 I Glycine max lcl\NC 038246.2 cds NP 001236750.2 36797 1 Phaseolus_vulgaris_Phvul.007G187900.1 Cercis_chinensis_GWHTBHAK004917 Prunus_persica_Prupe.6G344500.1 — Mimulus_guttatus_Migut.B01094.1 1- Solanum_lycopersicum_Solyc01g097300 1- Coffea_canephora_lcl\HG974429.1_cds_CDP06817.1_8676 The Cucumis_sativus_Cucsa.133160.1|PACid16962682 1— Arabidopsis_thaliana_AT1G08780.1 r Vitis vinifera VIT 214s0081q00080.1 1 ⊢ Aquilegia coerulea Agcoe2G101000.1 F Helianthus annuus HanXRQChr17q0559331 Helianthus_annuus_HanXRQChr16g0514711 $^{1\!L}$ Actinidia_chinensis_Actinidia32808.t1Populus trichocarpa Potri.005G054500.1 ¹ Populus trichocarpa Potri.013G042100.1 Liriodendron tulipifera Litul. 16G039000.1 - Marchantia polymorpha Mapoly0094s0008.1 T— Ceratopteris_richardii_Ceric.29G012900.1 Ginkgo_biloba_evm.model.chr8.237 Amborella_trichopoda_AmTrH1.03G178800.1 Nymphaea_colorata_Nycol.A01160.1 Asparagus officinalis evm.model.AsparagusV1 03.584 F Brachypodium distachyon Bradi1g14290.1 1 Oryza_sativa_LOC_Os03g43020.1 Dunaliella salina Dusal.0272s00013.1

Arachis duranensis Arachis_duranensis Arachis_duranensis Arachis_hypogaea Arachis_hypogaea Arachis_hypogaea Arachis_ipaensis Arachis ipaensis Arachis ipaensis Arachis_hypogaea Arachis_hypogaea Arachis_ipaensis Arachis_hypogaea Arachis_hypogaea Arachis ipaensis Arachis_ipaensis Arachis hypogaea Arachis duranensis Arachis_hypogaea Arachis duranensis Arachis_hypogaea Arachis hypogaea Arachis duranensis Medicago_truncatula Glycine_max Glycine max Phaseolus vulgaris Cercis chinensis Prunus_persica Mimulus_guttatus Solanum lycopersicum Coffea canephora Cucumis_sativus Arabidopsis_thaliana Vitis vinifera Helianthus annuus Helianthus annuus Actinidia chinensis Populus trichocarpa Populus trichocarpa Liriodendron tulipifera Marchantia polymorpha Ceratopteris richardii Ginkgo biloba Amborella_trichopoda Nymphaea colorata Asparagus officinalis Brachypodium distachyon Oryza sativa Dunaliella salina

Fabaceae Rosaceae Phrymaceae Solanaceae Rubiaceae Brassicaceae Vitaceae Ranunculaceae Asteraceae *Asteraceae* Actinidiaceae Salicaceae Salicaceae Magnoliaceae Marchantiaceae Ginkaoaceae *Amborellaceae* Nymphaeaceae Asparagaceae Poaceae Poaceae Dunaliellaceae

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