OG_104075

★Interspecific gene duplication event

Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146461.1_53081 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971223.1_6571 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971217.1_6566 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971228.1_6576 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146465.1 53085 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971227.1_6575 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971220.1_6569 Arachis hypogaea_lcl\NC_037629.1_cds_XP_029146462.1_53082 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146464.1_53084 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971219.1_6568 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971224.1_6572 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971218.1_6567 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971225.1_6573 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971226.1_6574 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971229.1_6577 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971221.1_6570 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146466.1_53086 Arachis_ipaensis_lcl\NC_029786.2_cds_XP_016183128.1_6565 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146463.1_53083 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_029146460.1_53080 Arachis_duranensis_lcl|NC_029773.2_cds_XP_020990711.1_6284 Arachis_duranensis_lcl\NC_029773.2_cds_XP_020990709.1_6282 Arachis_duranensis_lcl\NC_029773.2_cds_XP_020990710.1_6283 Arachis_duranensis_lcl\NC_029773.2_cds_XP_015948595.1_6285 Arachis_hypogaea_lcl\NC_037619.1_cds_XP_029147278.1_5701 1 Arachis hypogaea Icl\NC 037619.1 cds XP 029147277.1 5700 Arachis_hypogaea_lcl\NC_037629.1_cds_XP_025632359.1_53079 ¹ Arachis_ipaensis_lcl\NC_029786.2_cds_XP_020971216.1_6564 Glycine_max_lcl\NC_038255.2_cds_XP_003553418.1_68928 Phaseolus_vulgaris_Phvul.001G135800.2 ¹ Medicago_truncatula_lcl\NC_053048.1_cds_XP_003625160.1_35394 Coffea_canephora_lcl\HG974433.1_cds_CDP18661.1_16323 Mimulus_guttatus_Migut.J01776.1 ¹ Solanum_lycopersicum_Solyc03g063690 Helianthus annuus HanXRQChr12q0356951 ¹ Helianthus annuus HanXRQChr14g0457961 Cucumis sativus Cucsa.336910.1\PACid16978520 Populus trichocarpa Potri.016G053500.2 1 Populus_trichocarpa_Potri.016G053500.1 Arabidopsis_thaliana_AT5G52630.1 Prunus_persica_Prupe.7G066200.1 Vitis_vinifera_VIT_208s0007g08190.1 Aquilegia_coerulea_Aqcoe6G289400.1 ^{1∟} Aguilegia coerulea Agcoe1G256200.1 ¹ Aquilegia_coerulea_Aqcoe3G273700.1 Liriodendron tulipifera Litul. 15G135700.1 Brachypodium distachyon Bradi2q45250.1 Brachypodium distachyon Bradi2q45250.2 1 Oryza_sativa_LOC_Os01g46230.1 - Amborella trichopoda AmTrH1.03G037700.1 Nymphaea colorata Nycol.A01639.1

Arachis hypogaea Arachis_ipaensis Arachis_ipaensis Arachis ipaensis Arachis hypogaea Arachis ipaensis Arachis_ipaensis Arachis hypogaea Arachis_hypogaea Arachis ipaensis Arachis_ipaensis Arachis_ipaensis Arachis ipaensis Arachis_ipaensis Arachis ipaensis Arachis_ipaensis Arachis hypogaea Arachis ipaensis Arachis_hypogaea Arachis_hypogaea Arachis_duranensis Arachis duranensis Arachis duranensis Arachis_duranensis Arachis_hypogaea Arachis hypogaea Arachis hypogaea Arachis_ipaensis Glycine_max Phaseolus_vulgaris Medicago truncatula Coffea canephora Mimulus_guttatus Solanum_lycopersicum Helianthus annuus Helianthus annuus Cucumis sativus Populus trichocarpa Populus trichocarpa Arabidopsis thaliana Prunus persica Vitis vinifera Liriodendron_tulipifera Brachypodium distachyon Brachypodium distachyon Oryza sativa Amborella trichopoda Nymphaea colorata

Fabaceae Rubiaceae Phrymaceae Solanaceae *Asteraceae* Asteraceae Salicaceae Salicaceae Brassicaceae Rosaceae Vitaceae Ranunculaceae Ranunculaceae Ranunculaceae Magnoliaceae Poaceae Poaceae Poaceae *Amborellaceae* Nymphaeaceae

Fabales Gentianales Lamiales Solanales **Asterales Asterales Malpighiales Malpighiales** Brassicales Vitales Ranunculales Ranunculales Ranunculales Magnoliales Poales **Poales** Poales Amborellales Nymphaeales