OG_104046

★Interspecific gene duplication event

- Mimulus guttatus Migut. 000115.1 Mimulus guttatus 1 Coffea_canephora_lcl\HG974431.1_cds_CDP16914.1_12453 Coffea_canephora Solanum_lycopersicum_Solyc06g071550 Solanum_lycopersicum — Helianthus_annuus_HanXRQChr09g0251391 Helianthus annuus - Actinidia chinensis Actinidia33079.t1 Actinidia chinensis Vitis vinifera VIT 217s0000q08660.1 Vitis vinifera - Arabidopsis_thaliana_AT5G17990.1 Arabidopsis_thaliana Cucumis_sativus_Cucsa.098530.1\PACid16958327 Cucumis sativus ¹ Cucumis_sativus_Cucsa.098530.2\PACid16958328 Cucumis_sativus 1 Cucumis_sativus_Cucsa.098530.3|PACid16958329 Cucumis sativus Prunus_persica_Prupe.5G171400.1 Prunus persica Populus_trichocarpa_Potri.012G082700.2 Populus_trichocarpa 1 Populus trichocarpa Potri.012G082700.4 Populus trichocarpa Arachis_duranensis_lcl\NC_029779.2_cds_XP_015937793.1_42013 *Arachis_duranensis* Arachis_duranensis_lcl\NC_029779.2_cds_XP_020985665.1_42014 Arachis duranensis ★1 Arachis_hypogaea_lcl\NC_037625.1_cds_XP_025616137.1_37954 Arachis_hypogaea Arachis_hypogaea_lcl\NC_037637.1_cds_XP_025680560.1_95568 Arachis hypogaea 1 Arachis_ipaensis_lcl\NC_029794.2_cds_XP_016179541.1_52233 Arachis_ipaensis | Glycine_max_lcl\NC_016091.4_cds_XP_003523084.1_13276 Glycine_max ¹ Glycine_max_lcl\NC_016091.4_cds_XP_014630278.1_13277 Glycine max Phaseolus_vulgaris_Phvul.009G177200.1 Phaseolus_vulgaris Medicago_truncatula_lcl\NC_053044.1_cds_XP_003601245.1_14314 Medicago truncatula Cercis_chinensis_GWHTBHAK012627 Cercis_chinensis Mimulus_guttatus_Migut.H00094.1 Mimulus_guttatus Mimulus_guttatus_Migut.H00094.2 Mimulus_guttatus Mimulus guttatus Migut. H00094.3 Mimulus guttatus Solanum_lycopersicum_Solyc12g035190 Solanum lycopersicum — Coffea_canephora_lcl\HG974434.1_cds_CDP02090.1_17208 Coffea canephora L¹— Actinidia_chinensis_Actinidia36099.t2 Actinidia_chinensis Vitis_vinifera_VIT_214s0066g00970.1 Vitis_vinifera — Helianthus annuus HanXROChr09q0254931 Helianthus annuus Liriodendron_tulipifera_Litul.02G012800.2 Liriodendron_tulipifera 1 Liriodendron_tulipifera_Litul.02G012800.1 Liriodendron_tulipifera Cinnamomum_kanehirae_CKAN_01741200 ¹ Cinnamomum kanehirae CKAN 01031500 Liriodendron tulipifera Litul.06G012900.1 Liriodendron tulipifera ¹ Liriodendron tulipifera Litul.06G012900.2 Liriodendron tulipifera Nymphaea colorata Nycol. B00225.1 Nymphaea colorata Nymphaea_colorata_Nycol.B00225.3 Nymphaea colorata Nymphaea colorata Nycol. B00225.4 Nymphaea colorata Nymphaea_colorata_Nycol.B00225.2 Nymphaea colorata - Ginkgo biloba evm.model.chr10.1679 Ginkgo biloba - Marchantia polymorpha Mapoly0027s0124.1 Marchantia polymorpha Amborella_trichopoda_AmTrH1.03G072100.1 Amborella_trichopoda - Asparagus_officinalis_evm.model.AsparagusV1_01.364 Asparagus officinalis Asparagus officinalis evm.model.AsparagusV1 10.1927 Asparagus officinalis Asparagus officinalis evm.model.AsparagusV1 10.1950 Asparagus officinalis □ Brachypodium distachyon Bradi1g76800.1 Brachypodium distachyon ¹ Oryza sativa LOC Os03q03450.1 Oryza sativa Chlamydomonas reinhardtii Cre10.q429150.t1.2 Chlamydomonas reinhardtii

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

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