## OG 104002

## ★Interspecific gene duplication event

Glycine\_max\_lcl\NC\_038246.2\_cds\_XP\_003536782.1\_38516 Glycine\_max\_lcl\NC\_038246.2\_cds\_XP\_014618930.1\_38517 Glycine\_max Glycine\_max\_lcl\NC\_038256.2\_cds\_XP\_003556546.2\_73818 Glycine\_max Phaseolus\_vulgaris\_Phvul.007G008700.1 Phaseolus\_vulgaris Medicago\_truncatula\_lcl\NC\_053042.1\_cds\_XP\_013470484.1\_6060 <sup>1</sup> Medicago truncatula Icl\NC 053042.1 cds XP 024628707.1 6061 Arachis\_hypogaea\_lcl\NC\_037636.1\_cds\_XP\_025675143.1\_94324 Arachis\_hypogaea ★ Arachis\_ipaensis\_IcI\NC\_029793.2\_cds\_XP\_016174544.1\_50961 Arachis ipaensis 1 | Arachis\_hypogaea\_lcl|NC\_037626.1\_cds\_XP\_025620958.1\_42281 Arachis\_hypogaea 1 Arachis\_duranensis\_lcl\NC\_029780.2\_cds\_XP\_015942330.1\_46900 Arachis duranensis — Arabidopsis\_thaliana\_AT5G13560.1 ¬ Prunus\_persica\_Prupe.2G225300.1 Prunus\_persica 1— Cucumis sativus Cucsa.165740.1\PACid16966062 Cucumis sativus Fopulus\_trichocarpa\_Potri.008G048100.2 Populus\_trichocarpa\_Potri.010G212900.1 Vitis\_vinifera\_VIT\_213s0067g03850.1 Vitis vinifera Mimulus\_guttatus\_Migut.F00787.1 1 Mimulus\_guttatus\_Migut.F00787.2 Mimulus guttatus Mimulus guttatus Coffea\_canephora\_lcl\HG974429.1\_cds\_CDP00021.1\_6460 Coffea\_canephora Solanum\_lycopersicum\_Solyc04g010220 1\_ Helianthus\_annuus\_HanXRQChr14g0444611 Helianthus annuus 1 Helianthus annuus HanXROChr07q0191731 Helianthus annuus └ Actinidia chinensis Actinidia38219.t1 Actinidia chinensis Liriodendron\_tulipifera\_Litul.04G050400.1 1 Liriodendron\_tulipifera\_Litul.04G050400.2 Liriodendron\_tulipifera\_Litul.07G066400.1 Cinnamomum\_kanehirae\_CKAN\_01489000 1- Cinnamomum\_kanehirae\_CKAN\_01038600 Nymphaea\_colorata\_Nycol.F00120.1 Nymphaea\_colorata\_Nycol.F00120.3 Nymphaea\_colorata\_Nycol.F00120.2
Nymphaea\_colorata\_Nycol.E00412.1 Amborella\_trichopoda\_AmTrH1.08G066100.1 Brachypodium\_distachyon\_Bradi2g34710.1 Brachypodium\_distachyon\_Bradi2g34710.2 Brachypodium distachyon Bradi2q34710.3 Oryza\_sativa\_LOC\_Os05g06980.1 Orvza sativa Brachypodium distachyon Bradi2g00360.2 Brachypodium\_distachyon\_Bradi2g00360.1 Brachypodium distachyon Bradi2g00360.3 Oryza\_sativa\_LOC\_Os01g06270.1 Oryza sativa Aquilegia\_coerulea\_Aqcoe1G478700.1 Populus trichocarpa Potri.016G080900.2 1 Populus trichocarpa\_Potri.016G080900.3 – Arabidopsis thaliana AT2G37370.1 Cercis\_chinensis Cercis chinensis GWHTBHAK005891 Mimulus guttatus Migut. J00387.1 Mimulus guttatus 1 L Actinidia chinensis Actinidia 19739.t1 Actinidia chinensis

Glycine max Medicago truncatula Medicago\_truncatula Arabidopsis\_thaliana Populus trichocarpa Populus trichocarpa Solanum\_lycopersicum Liriodendron\_tulipifera Liriodendron\_tulipifera Liriodendron tulipifera Nymphaea\_colorata Nymphaea\_colorata Nymphaea colorata Nymphaea colorata Amborella\_trichopoda Brachypodium\_distachyon Brachypodium distachyon Brachypodium distachyon Brachypodium distachyon Brachypodium distachyon Brachypodium distachyon Populus trichocarpa Populus trichocarpa Arabidopsis thaliana

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

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

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