## OG\_104020

## ★Interspecific gene duplication event

Glycine\_max\_lcl\NC\_038251.2\_cds\_NP\_001242428.2\_53961 Glycine max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_006597010.1\_53965 Glycine\_max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_006597009.1\_53964 Glycine\_max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_006597007.1\_53963 Glycine\_max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_006597011.1\_53966 Glycine max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_006597006.1\_53962 Glycine\_max Glycine\_max\_lcl\NC\_038251.2\_cds\_XP\_040865373.1\_53967 Glycine\_max Glycine\_max\_lcl\NC\_038249.2\_cds\_XP\_003543558.1\_50055 Glycine max <sup>1</sup> Glycine\_max\_lcl\NC\_038249.2\_cds\_XP\_006595056.1\_50057 Glycine\_max <sup>1</sup> Glycine\_max\_lcl\NC\_038249.2\_cds\_XP\_006595055.1\_50056 Glycine max Phaseolus vulgaris Phvul.005G152300.1 Phaseolus\_vulgaris Medicago\_truncatula\_lcl\NC\_053043.1\_cds\_XP\_003597493.2\_10586 Medicago\_truncatula\_lcl\NC\_053043.1\_cds\_XP\_003597492.1\_10588 <sup>1</sup> Medicago\_truncatula\_lcl\NC\_053043.1\_cds\_XP\_039686804.1\_10587 Arachis\_hypogaea\_lcl\NC\_037635.1\_cds\_XP\_025671945.1\_85718 Arachis\_hypogaea Arachis ipaensis Icl\NC\_029792.2 cds\_XP\_016171418.1\_41149 Arachis ipaensis ★ Arachis\_lpachsis\_lcl|NC\_029779.2\_cds\_XP\_015935510.1\_39302 Arachis duranensis Arachis\_hypogaea\_lcl\NC\_037625.1\_cds\_XP\_025613791.1\_35379 Arachis\_hypogaea <sup>1</sup> Arachis\_hypogaea\_lcl\NC\_037625.1\_cds\_XP\_025613790.1\_35378 Arachis\_hypogaea Cercis chinensis GWHTBHAK023013 Cercis chinensis Populus\_trichocarpa\_Potri.017G031700.1 Populus\_trichocarpa Populus\_trichocarpa\_Potri.017G031700.2 Populus trichocarpa 1 Populus\_trichocarpa\_Potri.007G127300.1 Populus\_trichocarpa Cucumis\_sativus\_Cucsa.094860.1 | PACid16957796 Cucumis\_sativus 1 Cucumis sativus\_Cucsa.094860.2 PACid16957797 Cucumis sativus Arabidopsis\_thaliana\_AT2G43320.1 Arabidopsis thaliana 1 Prunus\_persica\_Prupe.1G190500.1 Prunus persica 1 Prunus\_persica\_Prupe.1G190500.2 Prunus\_persica Helianthus\_annuus\_HanXRQChr07g0186081 Helianthus\_annuus  $1^{\square}$  Helianthus\_annuus\_HanXRQChr05g0160041 Helianthus annuus Actinidia\_chinensis\_Actinidia35969.t1 Actinidia chinensis Solanum lycopersicum Solyc06q073380 Vitis\_vinifera\_VIT\_205s0102g00210.2 Vitis\_vinifera Aquilegia\_coerulea\_Aqcoe2G430100.1 Liriodendron tulipifera Litul.11G074900.1 Liriodendron tulipifera Litul.11G074900.2 Liriodendron tulipifera Litul.11G074900.3 Liriodendron\_tulipifera\_Litul.03G087500.1 1 Cinnamomum\_kanehirae\_CKAN\_01261500 1 Cinnamomum\_kanehirae\_CKAN\_02622500 Brachypodium distachyon Bradi5q14320.5 1- Brachypodium distachyon Bradi5g14320.6 1 Oryza\_sativa\_LOC\_Os04g41500.2 Oryza\_sativa ★1 Asparagus\_officinalis\_evm.model.AsparagusV1\_09.474 Asparagus officinalis ┌ Oryza\_sativa\_LOC\_Os09g33920.1 Oryza sativa 1- Brachypodium distachyon Bradi4q35110.1 Nymphaea colorata Nycol.C01320.1 Nymphaea colorata <sup>1</sup> Nymphaea colorata Nycol.C01320.2 Nymphaea colorata Amborella trichopoda AmTrH1.06G160300.1 Ginkgo biloba evm.model.chr1.2699 Ginkgo biloba

Medicago truncatula Medicago\_truncatula Medicago\_truncatula Solanum lycopersicum Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Brachypodium distachyon Brachypodium distachyon Brachypodium distachyon Amborella trichopoda

Fabaceae Salicaceae Salicaceae Salicaceae Brassicaceae Rosaceae Rosaceae Asteraceae Asteraceae Actinidiaceae Solanaceae Vitaceae Ranunculaceae Ranunculaceae Magnoliaceae Maanoliaceae Magnoliaceae Magnoliaceae Lauraceae Lauraceae Poaceae Poaceae Poaceae Asparagaceae Poaceae Poaceae Nymphaeaceae Nymphaeaceae Amborellaceae Ginkaoaceae

Fabales Malpighiales Malpighiales **Malpighiales** Brassicales **Asterales Asterales** Ericales Solanales **Vitales** Ranunculales Ranunculales Magnoliales Magnoliales Magnoliales Magnoliales Laurales Laurales Poales Poales **Poales** Asparagales Poales Poales Nymphaeales Nymphaeales *Amborellales* Ginkaoales