OG_104049

★Interspecific gene duplication event

```
Glycine max lcl\NC 038243.2 cds XP 040873109.1 22145
            Glycine_max_lcl\NC_038243.2_cds_XP_006582985.1_22147
           Glycine_max_lcl\NC_038243.2_cds_XP_006582986.1_22148
          Glycine_max_lcl\NC_038243.2_cds_XP_003529468.1_22146
         Glycine_max_lcl\NC_038244.2_cds_NP_001237188.1_28946
        <sup>1</sup> Glycine_max_lcl\NC_038244.2_cds_XP_014633820.2_28945
         Phaseolus_vulgaris_Phvul.010G163800.1
        Medicago_truncatula_lcl\NC_053045.1_cds_XP_024638438.1_17164
       1 Medicago_truncatula_lcl\NC_053045.1_cds_XP_013454497.1_17165
         Arachis_hypogaea_lcl\NC_037631.1_cds_XP_025645209.1_63779

★1 Arachis_ipaensis_lcl\NC_029788.2_cds_XP_020975963.1_17910
           Arachis_hypogaea_lcl\NC_037631.1_cds_XP_025645210.1_63780
         Arachis_hypogaea_lcl\NC_037621.1_cds_XP_025693259.1_15614
        <sup>1</sup> Arachis_hypogaea_lcl\NC_037621.1_cds_XP_025693260.1_15615
       Arachis_duranensis_lcl\NC_029775.2_cds_XP_015958525.1_17156
       1 Arachis_duranensis_lcl\NC_029775.2_cds_XP_015958524.1_17155
      Cercis chinensis GWHTBHAK031739
    Cucumis_sativus_Cucsa.149700.1\PACid16964321
    Prunus_persica_Prupe.3G022600.1
   1 Prunus persica Prupe.3G022600.2
        - Solanum_lycopersicum_Solyc12q099490
       Mimulus guttatus Migut.I01198.1
       Coffea_canephora_lcl\HG974431.1_cds_CD097736.1_11253
      1 Mimulus_guttatus_Migut.A00444.1
    └ Actinidia chinensis Actinidia21885.t1
  Vitis_vinifera_VIT_209s0054g00920.4
   Populus trichocarpa Potri.010G253400.1
  1 Populus_trichocarpa_Potri.010G253400.2
 — Aquilegia_coerulea_Aqcoe7G293600.1
   ☐ Medicago_truncatula_lcl\NC_053044.1_cds_XP_003603525.2_16435
   Phaseolus_vulgaris_Phvul.009G100233.1
 1 Cercis_chinensis_GWHTBHAK023929
Prunus_persica_Prupe.1G462200.1
  - Populus_trichocarpa_Potri.005G174400.1
    Nymphaea colorata Nycol.J01781.1
   Nymphaea_colorata_Nycol.J01781.3
    Nymphaea colorata Nycol. J01781.2
  1 Nymphaea_colorata_Nycol.A00012.1
   1 Nymphaea colorata Nycol. A00012.2
  — Amborella trichopoda AmTrH1.10G108000.1
 Liriodendron_tulipifera_Litul.13G090800.1
 r Oryza sativa LOC Os02q49530.2
1 Brachypodium_distachyon_Bradi3g56310.1
Asparagus officinalis evm.model.AsparagusV1 05.2248
1 Asparagus officinalis evm.model.AsparagusV1 01.578
Arabidopsis thaliana AT1G16810.1
 Ceratopteris richardii Ceric.1Z045100.1
<sup>1</sup> Ceratopteris richardii Ceric.1Z045100.2
 - Marchantia polymorpha Mapoly0014s0045.1
Ginkgo biloba evm.model.chr8.76
```

Glycine max Glycine_max Glycine_max Glycine_max Glycine max Glycine max Phaseolus_vulgaris Medicago truncatula Medicago truncatula Arachis hypogaea Arachis ipaensis Arachis_hypogaea Arachis_hypogaea Arachis_hypogaea Arachis duranensis Arachis duranensis Cercis chinensis Cucumis sativus Prunus_persica Prunus persica Solanum_lycopersicum Mimulus guttatus Coffea_canephora Mimulus_guttatus Actinidia chinensis Vitis vinifera Populus trichocarpa Populus_trichocarpa Medicago truncatula Phaseolus vulgaris Cercis chinensis Prunus_persica Populus_trichocarpa Nymphaea colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Nymphaea colorata Amborella_trichopoda Liriodendron tulipifera Oryza sativa Brachypodium distachyon Asparagus officinalis Asparagus officinalis Arabidopsis thaliana Ceratopteris richardii Ceratopteris richardii Marchantia polymorpha Ginkgo biloba

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

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