## OG\_104058

## ★Interspecific gene duplication event

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Mimulus_guttatus_Migut.H02016.1
            — Mimulus_guttatus_Migut.H02014.1
            Mimulus_guttatus_Migut.H02010.1
           Mimulus_guttatus_Migut.H02009.1
          Mimulus_guttatus_Migut.M00712.1

    Helianthus annuus HanXROChr15q0495171

         Coffea_canephora_lcl\HG974432.1_cds_CDP06032.1_14055
        □ Solanum_lycopersicum_Solyc07g062270
       1- Solanum_lycopersicum_Solyc10g007410
      <sup>1</sup> Solanum lycopersicum Solyc07q062280
       Actinidia chinensis Actinidia 12592.t1
       Populus_trichocarpa_Potri.003G026800.4
       Populus_trichocarpa_Potri.001G387100.1
     1 Populus_trichocarpa_Potri.011G107600.1
      Populus_trichocarpa_Potri.012G110400.2
         Cucumis_sativus_Cucsa.057670.1|PACid16954563
         1 Cucumis sativus Cucsa.057690.1\PACid16954565
      <sup>1</sup> Cucumis_sativus_Cucsa.057700.1|PACid16954566
     Prunus_persica_Prupe.4G159900.1
   └ Vitis_vinifera_VIT_219s0014g00980.1
   Aquilegia_coerulea_Aqcoe4G027900.1
    1 Aguilegia coerulea Agcoe4G027400.1
             Arachis_ipaensis_lcl\NC_029792.2_cds_XP_016170670.1_43070
            <sup>1</sup> Arachis_ipaensis_lcl\NC_029792.2_cds_XP_016170669.1_43072
             Arachis_hypogaea_lcl\NC_037635.1_cds_XP_025672158.1_87465
            Arachis ipaensis Icl\NC 029792.2 cds XP 020964884.1 43071
          Arachis_hypogaea_lcl\NC_037624.1_cds_XP_025610896.1_33182
          Arachis_hypogaea_lcl\NC_037624.1_cds_XP_025610895.1_33179
         1 Arachis_hypogaea_lcl\NC_037624.1_cds_XP_025610897.1_33180
          <sup>1</sup> Arachis_hypogaea_lcl\NC_037624.1_cds_XP_025610898.1_33181
        Arachis duranensis IcI\NC 029778.2 cds XP 015933602.1 37032
       Glycine_max_lcl\NC_038249.2_cds_NP_001235549.2_49014
       1 Phaseolus_vulgaris_Phvul.005G080600.1

    Medicago_truncatula_lcl\NC_053043.1_cds_XP_003596308.2_9369

       Medicago truncatula_lcl\NC_053043.1_cds_XP_013464561.1_9370
      Medicago_truncatula_lcl\NC_053043.1_cds_XP_003596306.1_9368
     1 Glycine_max_lcl\NC_038249.2_cds_XP_003543198.1_49015
      Phaseolus vulgaris Phvul.005G080700.1
    Cercis chinensis GWHTBHAK021937
    __ Arabidopsis_thaliana_AT1G78680.1
_1- Arabidopsis_thaliana_AT1G78660.1
    1 Arabidopsis_thaliana_AT1G78670.1
   r Oryza sativa LOC Os05q44130.1
   1 Brachypodium distachyon Bradi2q19700.1
 Asparagus_officinalis_evm.model.AsparagusV1_01.3475
 ☐ Liriodendron tulipifera Litul.03G185400.1
1- Cinnamomum kanehirae CKAN 02567400

─ Nymphaea colorata Nycol.I00289.1

<sup>1</sup> Amborella trichopoda AmTrH1.01G096000.1
    Ceratopteris richardii Ceric.37G069300.1
  Ginkgo biloba evm.model.chr2.1285
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Mimulus guttatus Mimulus\_guttatus Mimulus\_guttatus Mimulus\_guttatus Mimulus guttatus Helianthus annuus Coffea\_canephora Solanum lycopersicum Solanum\_lycopersicum Solanum lycopersicum Actinidia chinensis Populus\_trichocarpa Populus trichocarpa Populus\_trichocarpa Populus trichocarpa Cucumis sativus Cucumis sativus Cucumis sativus Prunus\_persica Vitis vinifera Arachis\_ipaensis Arachis\_ipaensis Arachis\_hypogaea Arachis ipaensis Arachis\_hypogaea Arachis\_hypogaea Arachis\_hypogaea Arachis\_hypogaea Arachis duranensis Glycine max Phaseolus\_vulgaris Medicago\_truncatula Medicago\_truncatula Medicago truncatula Glycine max Phaseolus vulgaris Cercis chinensis Arabidopsis thaliana Arabidopsis thaliana Arabidopsis thaliana Oryza sativa Brachypodium distachyon Asparagus officinalis Liriodendron tulipifera Nymphaea colorata Amborella trichopoda Ceratopteris richardii Ginkgo biloba

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

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