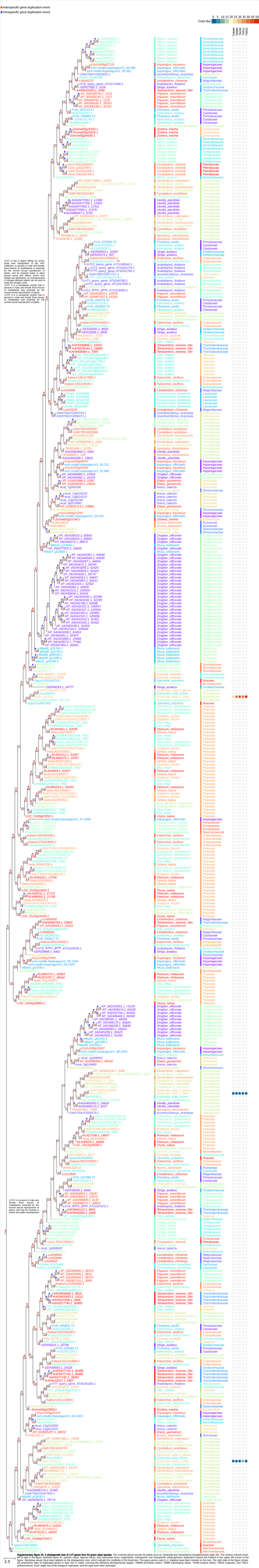
intraspecific gene duplication event
interspecific gene duplication event
Color Bar
0 5 10 15 20 25 30 35 40 45 50
TMM0
TMM1
TMM2
TMM3
LHY1 is has a higher affinity for amino acids in the cytosolic extract of the substrate, is present in male and female floral tissues, and is a transcriptional activator for the normal sexual reproduction in plants, and its mutation leads to plant sterility, which suggests that it is essential and distributed in monocotyledonous and dicotyledonous plants, and it is worth to study the ortologs' roles.
LHY2 is a paralogs gene protein that is present in male and female floral tissues of Arabidopsis and essential for the normal sexual reproduction of plants. LHY2 is a transcriptional activator that is present in male and female floral tissues of Arabidopsis and essential for the normal sexual reproduction of plants.
LHY4 is a protein in male and female floral tissues of Arabidopsis and essential for the normal sexual reproduction of plants, and it is a transcriptional activator in anthers and pollen development.
Amaryllidaceae
Asparagaceae
Liliaceae
Orobanchaceae
Trichoderotaceae
Papaveraceae
Fumariaceae
Papaveraceae
Papaveraceae
Papaveraceae
Portulacaceae
Cactaceae
Portulacaceae
Cactaceae
Zosteraceae
Zosteraceae
Amaryllidaceae
Amaryllidaceae
Amaryllidaceae
Grigoraceae
Grigoraceae
Grigoraceae
Grigoraceae
Pteridaceae
Pteridaceae
Pteridaceae
Pteridaceae
Amaryllidaceae
Orchidaceae
Orchidaceae
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