

Tree scale: 1

UFBootstrap

- 95
- 96.25
- 97.5
- 98.75
- 100

GSLOH / D4H

Ancestral
DOXC clades

GA20ox

GA3ox

GA2ox7-8

GA2ox1-6

ACO

F3H

FNS

JOX

ANS

FLS

Afi v2 s2566G000020.2
Azfi s0030.g024269
Afi v2 s1217G000010.1
Azfi s0030.g024267
Afi v2 s2566G000030.2
Afi v2 s2566G000030.2
Azfi s0003.g007795
Afi v2 s17G001390.9
Azfi s0427.g069291
Afi v2 s6G002880.2
Azfi s0092.g043107
Afi v2 s8G001930.1
Afi v2 s102G000110.1

Catharanthus roseus D4H
Zea mays BX6

Arabidopsis thaliana F6H1
Arabidopsis thaliana F6H2
Citrus limetta C2H
Ipomoea batatas C2H
Ipomoea batatas F6H1

Arabidopsis thaliana S3H

Anisodus acutangulus H6H
Anisodus tanguticus H6H
Atriplex metelii H6H
Brugmansia candida H6H
Hyoscyamus niger H6H
Hordeum vulgare IDS3
Hordeum vulgare IDS2

S3H

H6H / IDS

Papaver somniferum COD
Papaver somniferum T6OD

COD / NCS

Copris japonica NCS

Selaginella moellendorffii GA20ox
Afi v2 s1G002400.2
Azfi s0041.g026697
Arabidopsis thaliana GA20ox5
Arabidopsis thaliana GA20ox2
Cucurbita maxima GA20ox1
Arabidopsis thaliana GA20ox
Selaginella moellendorffii GA20ox3
Afi v2 s5G0005010.9
Azfi s0015.g013955
Afi v2 s16G0002790.1
Arabidopsis thaliana GA3ox
Arabidopsis thaliana GA3ox2
Spinacia oleracea GA3ox2
Arabidopsis thaliana GA3ox1

Arabidopsis thaliana GA2ox7
Arabidopsis thaliana GA2ox8
Arabidopsis thaliana GA2ox4
Arabidopsis thaliana GA2ox1
Arabidopsis thaliana GA2ox3
Arabidopsis thaliana GA2ox2

Arabidopsis thaliana ACO5
Arabidopsis thaliana ACO1
Arabidopsis thaliana ACO3
Arabidopsis thaliana ACO2
Malus domestica ACO1
Arabidopsis thaliana ACO4

Afi v2 s1684G000050.1
Afi v2 s116G000220.8
Afi v2 s19G001900.6
Azfi s0076.g037942
Selaginella moellendorffii FNS/F3H
Afi v2 s29G002530.4
Azfi s0335.g065519
Physcomitrella patens FNS/F3H
Afi v2 s44G0002700.1
Azfi s0108.g045269
Afi v2 s11G001170.4
Azfi s0061.g034876
A. thaliana JOX

Afi v2 s19G002650.1
Azfi s0076.g037826
Ginkgo biloba ANS
Allium cepa ANS
Zea mays ANS
Oryza sativa ANS
Fragaria ananassa ANS
Perilla frutescens ANS
Phytolacca americana ANS
Spinacia oleracea ANS
Ginkgo biloba FLS
Arabidopsis thaliana FLS
Arabidopsis thaliana FLS1
Arabidopsis thaliana FLS2
Retenula humilis FLS
Fragaria ananassa FLS
Fragaria ananassa FLS

Conocephalum japonicum FNS/F2H
Conocephalum japonicum FNS
Conocephalum appendiculatum FNS/F2H
Plagiochasma appendiculatum FNS/F2H
Marchantia paleacea FNS
Marchantia emarginata FNS
Ginkgo biloba F3H
Petunia hybrida F3H
Fragaria ananassa F3H
Medicago truncatula F3H
Glycine max F3H
Arabidopsis thaliana F3H
Aethusa cynapium F3H
Pimpinella anisum F3H
Anthriscus F3H
Petroselinum crispum F3H
Anethum graveolens F3H
Daucus carota FNS
Cuminum cyminum FNS
Conium maculatum FNS
Petroselinum crispum FNS
Apium graveolens FNS
Aethusa cynapium FNS
Angelica archangelica FNS

