

tef1-α

Phylogenetic tree showing relationships between various *Grosmannia* species and strains, based on *tef1-α* gene sequences. The tree is rooted at the bottom left and branches upwards. Bootstrap values are indicated at the nodes. Taxa are grouped into clades labeled Taxon 8 through Taxon 14.

Key taxa and their associated sequences/strains:

- Taxon 10: *G. penicillata***
 - MN647903 *Grosmannia penicillata* CBS140.36
 - CFCC57671
 - CFCC57673
 - MN647909 *G. penicillata* CMW2642 T
 - CFCC57672
 - MN647910 *G. penicillata* CMW2644
 - CFCC57674
 - HQ406875 *G. altior* CMW12471 T
 - HQ406877 *G. altior* CMW12501
 - CFCC57676
 - CFCC57675
 - CFCC57677
 - CFCC57678
 - CFCC57679
- Taxon 12: *G. xianmiensis***
 - HQ406872 *G. curviconidia* CMW12441
 - HQ406874 *G. curviconidia* CMW12425 T
 - CFCC57690
 - CFCC57696
 - CFCC57695
 - CFCC57689
 - CFCC57697
 - CFCC57691
 - MN647911 *G. xianmiense* CMW38892 T
 - CFCC57692
 - CFCC57694
 - MN647912 *G. xianmiense* CMW38893
 - MN647913 *G. xianmiense* CMW39926
 - CFCC57693
- Taxon 11: *G. tianshanensis* sp. nov**
 - CFCC57680
 - CFCC57681
 - CFCC57682 T
 - CFCC57686
 - CFCC57685
 - CFCC57687
 - CFCC57688
 - CFCC57683
 - CFCC57684
- Taxon 8: *G. maixiuensis***
 - CFCC57664
 - CFCC57665
 - CFCC57666
 - MN647900 *G. maixiuense* CMW38884 T
 - MN647902 *G. maixiuense* CMW39929
 - MN647901 *G. maixiuense* CMW39235
 - EU979350 *G. chlamydata* CMW11597
 - EU979349 *G. chlamydata* CMW11592 T
 - EU979351 *G. chlamydata* CMW11623
 - CFCC57667 T
 - CFCC57669
 - CFCC57668
 - CFCC57700
 - CFCC57701
- Taxon 9: *G. nitidi* sp. nov**
 - MN647897 *G. crassifolia* CMW38885 T
 - MN647898 *G. crassifolia* CMW39236
 - MN647899 *G. crassifolia* CMW39243
 - MH124403 *G. fenglinghensis* CMW44579 T
- Taxon 14: *Grosmannia* sp. 1**
 - CFCC57698
 - MH124547 *G. zekuensis* CMW48852
 - CFCC57699
 - MH124546 *G. zekuensis* CMW41876 T
 - MT268756 *G. tibetensis* CFCC53415 T
 - MT268755 *G. tibetensis* CFCC53458
 - MN647915 *G. purpurea* CMW39927
 - MN647914 *G. purpurea* CMW38886 T
 - MN647916 *G. purpurea* CMW39928
 - MN647891 *G. americana* CMW2929
 - MN647892 *G. americana* CMW2932
 - MN647890 *G. americana* CMW123 T
 - MN647887 *G. abietina* CMW276 T
 - MN647888 *G. abietina* CBS109704
 - MN647889 *G. abietina* CBS109707
 - MN647893 *G. xeno-abietina* CMW2407
 - MN647894 *G. xeno-abietina* CMW2410 T
 - MN647885 *G. fruticetum* CMW20605 T
 - MN647886 *G. fruticetum* CMW20606
 - MN647884 *G. fruticetum* CBS120205
 - MN647883 *G. abiocarpa* CMW24906
 - MN647882 *G. abiocarpa* CMW24905
 - MN647881 *G. abiocarpa* CMW65 T
 - MN647895 *G. curvispora* CBS123914 T
 - MN647896 *G. curvispora* CBS124006
 - MN647917 *G. bistate* CBS120192 T
 - MN647918 *G. bistate* CBS 120193
 - MN647922 *G. hughesii* CBS109709 T
 - MN647920 *G. eucalyptophila* CMW5196
 - MN647919 *G. eucalyptophila* CBS120694 T
 - MN647879 *G. abieticola* CMW17199 T
 - MN647880 *G. abieticola* CMW17200