```
OGs_100100_T1_78_before
                             Monocots_ACG_0008184
                             Monocots_AEO_0015993
                             Monocots AGJ 0024926
                              -Monocots_AHE_0015303
    Monocots_AGW_0016203
    Monocots_ABP_0026658
    -Monocots_AFA_0026404
    -Monocots_AIT_0002893
    Monocots ABQ 0030015
   Monocots_AEY_0023573
   -Monocots_AEB_0007210
   Monocots_AHF_0015781
    Monocots_AGD_0037131
    Monocots_AAH_0013224
   Monocots ADO 0012452
    Monocots_AIS_0002827
   Monocots_AFT_0002049
    -Monocots AIR 0026809
   Monocots AGK 0039976
   <sup>L</sup>Monocots_AFD_0027812
   -Monocots_AAO_0002491
                                                     OGs_100100_T1_78_after
   Monocots_AKN_0006670
                                                       Outgroup_AZB_0033820
   Monocots_AKO_0004834
                                                                                    Monocots_AGJ_0024926
 -Monocots_ADV_0024199
                                                                                    Monocots_AEO_0015993
  Monocots_ACT_0009808
                                                         Monocots_ABP_0026658
  Monocots ACU 0003612
                                                         Monocots_AFA_0026404
    -Monocots AHJ 0004393
                                                         -Monocots AIT 0002893
  -Monocots_AAV_0004043
                                                         Monocots_ABQ_0030015
 Monocots_AAB_0011436
                                                         Monocots_AEY_0023573
      -Monocots_AHH_0008017
                                                         -Monocots_AEB_0007210
 -Monocots_ACP_0008810
                                                         Monocots_AHF_0015781
 _Monocots_ADJ_0011845
                                                         Monocots_AGD_0037131
                                                         Monocots_AAH_0013224
 -Monocots_AIJ_0017711
-Monocots_AEQ_0008697
                                                         Monocots_ADO_0012452
         -Monocots AIH 0031277
                                                         Monocots_AIS_0002827
                                                        Monocots_AFT_0002049
Magnoliids_ABX_0012338
Magnoliids_ABW_0010938
                                                         -Monocots_AIR_0026809
Magnoliids_AIB_0021483
                                                        -Monocots_AGK_0039976
Magnoliids_ABS_0011681
                                                        Monocots AFD 0027812
 -Magnoliids_AID_0031582
                                                         -Monocots_AAO_0002491
                                                         Monocots_AKN_0006670
    -Eudicots_AKF_0013615
   Eudicots_ADL_0029914
                                                         Monocots_AKO_0004834
   Eudicots_AKH_0029780
                                                      Monocots_ADV_0024199
                                                       Monocots_ACT_0009808
  Eudicots_AKK_0024134
   -Eudicots_AKD_0012954
                                                       Monocots_ACU_0003612
  Eudicots_AKC_0018233
                                                          -Monocots_AHJ_0004393
           -Eudicots AKB 0001615
                                                      _Monocots_ACP_0008810
  -Eudicots_AKJ_0019934
                                                      -Monocots ADJ 0011845
  Eudicots_AKA_0040057
                                                       -Monocots_AIJ_0017711
  LEudicots_AAS_0011987
                                                       -Monocots_AAV_0004043
   -Eudicots_ADN_0006772
                                                      <sup>L</sup>Monocots_AAB_0011436
   -Eudicots_AKG_0028267
                                                      -Monocots_AEQ_0008697
    -Eudicots_AKI_0030822
                                                      -Magnoliids_ABS_0011681
      -Eudicots_AGG_0025945
                                                     Magnoliids_ABX_0012338
     -Eudicots_AKR_0005520
                                                      Magnoliids_ABW_0010938
   Eudicots AKL 0004550
                                                     └─Magnoliids AID 0031582
           -Eudicots_AKQ_0019480
                                                     <sub>「</sub>basal angiosperms_AEV_0021485
  -Eudicots_AHC_0008801
                                                     basal angiosperms_ADD_0012011
 Eudicots_AAR_0005643
Eudicots_ACY_0029591
                                                      [Ceratophyllales_AIA_0009878]
                                                        Eudicots_AKH_0029780
  _Chloranthales_ABU_0023524
                                                        Eudicots_AKK_0024134
  Chloranthales_ABV_0002493
                                                        Eudicots_ADL_0029914
-Eudicots_AIO_0002378
                                                        Eudicots_AKD_0012954
 Eudicots_ABE_0009879
                                                       -Eudicots_AKC_0018233
 Ceratophyllales_AIA_0009878
                                                        Eudicots_AKJ_0019934
basal angiosperms_AKM_0004265
                                                       Eudicots_AKA_0040057
basal angiosperms_AEV_0021485
                                                        Eudicots_AAS_0011987
                                                        FEudicots_ADN_0006772
basal angiosperms_ADD_0012011
Eudicots_AEG_0017015
                                                        -Eudicots_AKG_0028267
                                                        Eudicots_AKI_0030822
Eudicots_AIN_0016872
Eudicots_AZA_0002611
                                                            -Eudicots AGG 0025945
Monocots_AFF_0013815
                                                          -Eudicots_AKR_0005520
-Monocots_ABF_0035135
                                                        Eudicots_AKL_0004550
Monocots_AAE_0018444
                                                        Eudicots_AHC_0008801
Monocots_AKE_0023585
                                                       Eudicots_ACY_0029591
Outgroup_ADK_0030071
                                                       [Chloranthales_ABU_0023524
-Outgroup_AZB_0033820
                                                        Chloranthales ABV 0002493
0.934519
                                                     0.896933
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