```
OGs_100063_T1_74_before
   Eudicots_AKF_0013283
    Eudicots ADL 0026309
   Eudicots_AKJ_0009353
   Eudicots_AKH_0029156
   Eudicots AKK 0023787
         FEudicots_AKR_0017862
         -Eudicots_AAS_0004613
                              -Eudicots_AKI_0041437
   Eudicots_AEG_0011648
   Eudicots_AIN_0033245
   Eudicots_AKP_0002630
   -Eudicots ABE 0018732
   Eudicots_AZA_0036396
   rMagnoliids_AAU_0011811
   <sup>l</sup>Magnoliids_AIC_0043642
   Eudicots_AKC_0002790
   Eudicots_AKB_0009805
   -Eudicots_AHC_0021477
   Eudicots_AKA_0020171
   Eudicots_AKL_0003141
   Magnoliids_AEH_0012865
   <sup>l</sup>Magnoliids_AID_0000892
   Eudicots_AKQ_0005917
   Eudicots_AGG_0009019
   basal angiosperms_AEV_0006369
   basal angiosperms_ADD_0036876
   Monocots_ACU_0007064
       -Magnoliids_ABS_0033974
    -Chloranthales ABU 0022117
       -Chloranthales ABV 0009877
                                                   OGs_100063_T1_74_after
   -Eudicots_AAR_0019308
                                                                   _Monocots_AFF_0011369
   Eudicots_ADN_0042093
                                                                   -Monocots_ABF_0037246
   Eudicots_AKG_0020542
                                                                      Monocots_AGJ_0002506
  Monocots_ACP_0018074
                                                                      Monocots_AEO_0014018
  -Monocots_ADJ_0011626
                                                                     Monocots_ACG_0000318
                                                                     Monocots_AHE_0032894
  Monocots_AIJ_0006759
         -Monocots_AAO_0007679
                                                                     Monocots_ABP_0025695
  Monocots_AAE_0006704
                                                                     Monocots_AGW_0006922
  Monocots_AKE_0004342
                                                                     Monocots_ABQ_0022064
  Monocots_AAB_0011068
                                                                     Monocots_AFA_0031634
  LMonocots_AAV_0012824
                                                                     Monocots_AEX_0018691
                                                                     Monocots_ACC_0031177
    Monocots_AGJ_0002506
    Monocots_AEO_0014018
                                                                     Monocots_ACX_0013467
    Monocots_ACG_0000318
                                                                     -Monocots_AGK_0020748
    Monocots_AHE_0032894
                                                                     LMonocots_AFD_0001667
    Monocots_ABP_0025695
                                                                     Monocots_AIS_0018087
    Monocots_AGW_0006922
                                                                     Monocots_AIR_0003838
    Monocots_ABQ_0022064
                                                                     Monocots_AFT_0000745
    Monocots_AFA_0031634
                                                                     [Monocots_AEY_0014620
    Monocots AEX 0018691
                                                                     Monocots_AEB_0006414
    Monocots ACC 0031177
                                                                     Monocots AHF 0027020
    Monocots_ACX_0013467
                                                                     Monocots_AAH_0036710
    -Monocots_ADV_0025291
                                                                     Monocots_ADO_0000725
                                                                     Monocots_AGD_0033400
    Monocots_AFD_0001667
    Monocots_AGK_0020748
                                                                      -Monocots_AKO_0016298
    Monocots_AIS_0018087
                                                                  <sup>L</sup>Monocots_AIH_0031801
    Monocots_AIR_0003838
                                                         -Chloranthales_ABU_0022117
    Monocots_AFT_0000745
                                                    -basal angiosperms_AEV_0006369
    Monocots_AEY_0014620
                                                    basal angiosperms_ADD_0036876
    Monocots_AEB_0006414
                                                       Eudicots_AKJ_0009353
    Monocots_AHF_0027020
                                                      -Eudicots_ADL_0026309
                                                     Eudicots_AKH_0029156
    Monocots_AAH_0036710
                                                      Eudicots_AKK_0023787
    Monocots_ADO_0000725
    Monocots_AGD_0033400
                                                                                 -Eudicots_AKR_0017862
     Eudicots_AKD_0032366
                                                                                  -Eudicots_AAS_0004613
                                                    _Eudicots_AEG_0011648
         -Monocots_AAN_0013237
    Monocots_AFF_0011369
                                                     Eudicots_AIN_0033245
                                                    -Eudicots_AKP_0002630
    Monocots ABF 0037246
    -Monocots_AKO_0016298
                                                       -Eudicots_ABE_0018732
    -basal angiosperms_AAL_0011740
                                                    Eudicots_AZA_0036396
   Monocots_AEQ_0017780
                                                       -Magnoliids_AAU_0011811
                                                      -Magnoliids_AIC_0043642
   Monocots AIH 0031801
3.48653
                                                   0.872707
```