```
Monocots_AGJ_0001365
Monocots_AEO_0012296
      Monocots_ACG_0024572
      lonocots_AHE_0017861
      onocots_AFA_0011484
      onocots_AGW_0030241
     Monocots_ABP_0004501
     Monocots_ACX_0010135
     Monocots_ACC_0048853
     -Monocots_AIT_0011331

[Monocots_AAH_0037660
      Monocots_AGD_0000528
     Monocots_ADO_0027515
     Monocots_AIS_0000313
     Monocots_AFT_0007117
     Monocots_AIR_0023591
     Monocots_AEB_0012366
     Monocots_AEY_0031814
Monocots_AHF_0032333
    -Monocots_AFD_0012648
Monocots_ADV_0021601
-Monocots_AAO_0015864
   Monocots_AEQ_0027967
   Monocots_AIH_0072237
      Monocots_AAB_0016534
        -Monocots_AHH_0017322
      Monocots_AKO_0018426
      Monocots_AKN_0016261
     Monocots_ACT_0020401
Monocots_ACU_0026716
                                                 OGs_100053_T1_75_after
    Monocots_ABF_0034849
Monocots_AFF_0027572
                                                 Chloranthales_ABV_0001166
                                                           <sub>「</sub>Magnoliids_ABW_0016436
    Monocots_ADJ_0000231
                                                            -Magnoliids_AIB_0008512
                          Monocots_ACP_0002245
                                                          Magnoliids_ABX_0016775
    Monocots_AAV_0008135
                                                    Magnoliids_ABS_0010668
  basal angiosperms_ADD_0007396
                                                                  Monocots_AGJ_0001365
                                                                 -Monocots_AEO_0012296
   -basal angiosperms_AEV_0023339
   Monocots_AKE_0004740
Monocots_AAE_0016517
                                                                  Monocots_ACG_0024572
                                                                Monocots_AHE_0017861
                                                                 Monocots_AFA_0011484
      -Monocots_AHJ_0013895
                                                               Monocots_AGW_0030241
      -Eudicots_AGG_0008404
     Eudicots_AKI_0035605
                                                               Monocots_ABP_0004501
                                                               Monocots_ACX_0010135
        Eudicots ADN 0019246
      FEudicots_AKH_0023710
                                                               Monocots_ACC_0048853
      Eudicots_AKK_0011926
                                                                    -Monocots_AIT_0011331
      -Eudicots_AAR_0013640
                                                                  Monocots_AAH_0037660
     Ceratophyllales_AIA_0021201
                                                                 └Monocots_AGD_0000528
      -Eudicots_AKR_0000374
                                                                 -Monocots ADO 0027515
                                                               Monocots_AIS_0000313
      Eudicots_AKL_0018050
                                                             Monocots_AFT_0007117
    Eudicots_AKA_0043496
     Eudicots_AAS_0002881
                                                              Monocots_AIR_0023591
   Eudicots_AKC_0028725
                                                               Monocots_AEB_0012366
                                                            Monocots_AEY_0031814
    Eudicots_AKB_0033591
                                                              Monocots_AHF_0032333
     -Eudicots_AHC_0003899
                                                              Monocots_AFD_0012648
    -Eudicots_AKG_0008157
                                                             Monocots_ADV_0021601
    Eudicots_AKJ_0135645
   -Eudicots_AIN_0004985
-Eudicots_AEG_0004173
                                                             Monocots_AAO_0015864
                                                     Monocots_AIH_0072237
   Eudicots_AZA_0008406
                                                                 -Monocots_AAB_0016534
   -Eudicots_AIO_0019089
                                                                           -Monocots_AHH_0017322
   Eudicots_AKP_0016560
                                                                    Monocots_AKO_0018426
  -Eudicots_AKF_0008487
                                                                   Monocots_AKN_0016261
   Eudicots_AKD_0029795
                                                              Monocots_ACT_0020401
                                                              Monocots_ACU_0026716
 rMagnoliids_AIC_0044512
  Magnoliids_AAU_0006633
                                                       <sup>L</sup>Monocots_AFF_0027572
 _Magnoliids_AID_0024482
                                                          Monocots_ADJ_0000231
                                                          Monocots_AAV_0008135
  Magnoliids_AEH_0009293
  Magnoliids_ABW_0016436
                                                        basal angiosperms_ADD_0007396
   -Magnoliids_AIB_0008512
                                                         -basal angiosperms_AEV_0023339
                                                              Eudicots_AGG_0008404
  Magnoliids_ABX_0016775
 Magnoliids_ABS_0010668
                                                              Eudicots_AKI_0035605
basal angiosperms_AKM_0006996
                                                                  Eudicots_ADN_0019246
 Chloranthales_ABU_0030471
                                                            Eudicots_AKH_0023710
  Chloranthales_ABV_0001166
                                                            -Eudicots_AKK_0011926
   basal angiosperms_AAL_0008294
                                                     Ceratophyllales_AIA_0021201
                                                 0. 205731
0.835908
```

OGs_100053_T1_75_before