```
OGs_100020_T1_64_before
  Monocots_AGW_0012900
  Monocots_ABP_0054842
  -Monocots_AFA_0029259
  Monocots_AHE_0024528
  Monocots_ACG_0008043
  Monocots_AGJ_0026819
  -Monocots_AEX_0005484
  Monocots_ACX_0032382
  Monocots_ACC_0016818
  Monocots_AIT_0055672
  Monocots_AGD_0036661
  Monocots_ADO_0012722
  Monocots_AIS_0011937
  Monocots_AFT_0021645
  Monocots_AIR_0038450
  Monocots_AEB_0007108
  Monocots_AEY_0023868
  Monocots_AHF_0023899
                                              OGs_100020_T1_64_after
  -Monocots_ADV_0025133
                                                               -Eudicots_AKB_0015370
  -Monocots_AFD_0026322
                                                               Eudicots_AKC_0015172
  -Monocots_AEQ_0014145
                                                            Eudicots AKA 0005265
 Monocots_AIH_0052981
                                                                     —Eudicots AAS 0010334
 Monocots_AKE_0013064
                                                          Eudicots_AKH_0027477
 Monocots_AAE_0012408
                                                          Eudicots_AKK_0006933
        -Monocots_AAO_0008054
                                                       -Eudicots_ADL_0020995
 Eudicots_AKD_0021044
                                                            -Eudicots_AGG_0012057
   Monocots_ACP_0012769
                                                           Eudicots_ADN_0017807
  Monocots_AIJ_0013985
                                                         -Eudicots_AKI_0039198
Monocots_AFF_0030298
                                                          -Eudicots_AKG_0018773
Monocots_ABF_0034909
                                                        -Eudicots_AHC_0010776
       -Monocots AAN 0006454
                                                         -Eudicots_AKP_0022227
   Eudicots_AKB_0015370
                                                      -Eudicots_AKJ_0012744
   Eudicots_AKC_0015172
                                                        -Eudicots_ABE_0002617
  FEudicots_AKA_0005265
                                                     -Magnoliids AEH 0010343
    -Eudicots_AAS_0010334
                                                       -Magnoliids_AID_0028864
   -Eudicots_AKF_0000680
                                                -Magnoliids_AIB_0007520
  Eudicots_ADL_0020995
                                                             Monocots_AGW_0012900
 Fudicots_AKH_0027477
                                                             Monocots_ABP_0054842
  Eudicots_AKK_0006933
                                                             -Monocots_AFA_0029259
                                                            Monocots_AHE_0024528
   -Eudicots_AKQ_0004191
  Eudicots_ADN_0017807
                                                            Monocots_ACG_0008043
  -Eudicots_AGG_0012057
                                                           Monocots_AGJ_0026819
 Eudicots AKI 0039198
                                                          Monocots_ACX_0032382
                                                             -Monocots_AGD_0036661
 Eudicots_AKG_0018773
  Eudicots_AHC_0010776
                                                              Monocots_ADO_0012722
  -Eudicots_AKP_0022227
                                                           Monocots_AIS_0011937
-Eudicots_AKJ_0012744
                                                             -Monocots_AFT_0021645
 -Eudicots_ABE_0002617
                                                           -Monocots_AIR_0038450
 Magnoliids_AEH_0010343
                                                             -Monocots_AEB_0007108
                                                          Monocots_AEY_0023868
Magnoliids_AID_0028864
                        -Magnoliids_ABS_0000899
                                                           Monocots_AHF_0023899
        -Magnoliids_ABW_0024064
                                                             -Monocots_ADV_0025133
 Magnoliids_AIB_0007520
                                                             -Monocots_AFD_0026322
 -Eudicots_AAR_0013632
                                                   Monocots_AIH_0052981
\squareEudicots_ACY_0026314
                                                     Monocots_AKE_0013064
└─basal angiosperms_AKM_0021178
                                                     Monocots_AAE_0012408
<sub>「</sub>Magnoliids_AIC_0046363
                                                              -Monocots_ACP_0012769
<sup>L</sup>Magnoliids_AAU_0010704
                                                      -Monocots_AIJ_0013985
 |basal angiosperms_AEV_0011847
                                                  Monocots_AFF_0030298
 basal angiosperms_ADD_0028302
                                                  Monocots_ABF_0034909
Chloranthales_ABU_0012779
                                                      rbasal angiosperms_AEV_0011847
Chloranthales_ABV_0013006
                                                       -basal angiosperms_ADD_0028302
basal angiosperms_AAL_0019449
                                               Chloranthales ABU 0012779
                                              0. 163851
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