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OGs_100020_T1_64_before
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   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
                                                     OGs 100020 T1 64 after
   Monocots_AFT_0021645
                                                           -basal angiosperms AAL 0019449
   Monocots AIR 0038450
                                                                         -Monocots AGW 0012900
   rMonocots_AEB_0007108
  Monocots_AEY_0023868
                                                                       LMonocots_ABP_0054842
   Monocots_AHF_0023899
                                                                         Monocots_AFA_0029259
  _Monocots_ADV_0025133
                                                                       -Monocots_AHE_0024528
                                                                      -Monocots ACG 0008043
  -Monocots AFD 0026322
  -Monocots_AEQ_0014145
                                                                     Monocots_AGJ_0026819
                                                                       -Monocots_ACC_0016818
 Monocots_AIH_0052981
 Monocots_AKE_0013064
                                                                      -Monocots ACX 0032382
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 Monocots_AAE_0012408
          -Monocots AAO 0008054
                                                                        -Monocots AGD 0036661
 -Eudicots_AKD_0021044
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    -Monocots_ACP_0012769
                                                                      -Monocots_AIS_0011937
 └Monocots_AIJ_0013985
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Monocots_AFF_0030298
                                                                      -Monocots_AIR_0038450
Monocots ABF 0034909
                                                                        -Monocots_AEB_0007108
                                                                      LMonocots_AEY_0023868
         -Monocots AAN 0006454
                                                                     LMonocots_AHF_0023899
    Eudicots_AKB_0015370
                                                                         -Monocots_ADV_0025133
   Eudicots_AKC_0015172
                                                                        -Monocots_AFD_0026322
  -Eudicots_AKA_0005265
    -Eudicots_AAS_0010334
                                                              -Monocots_AIH_0052981
                                                             -Monocots_AKE_0013064
     -Eudicots_AKF_0000680
 Eudicots_ADL_0020995
                                                             Monocots AAE 0012408
 Eudicots_AKH_0027477
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                                                                 -Monocots_AIJ_0013985
  Eudicots AKK 0006933
    -Eudicots_AKQ_0004191
                                                          Monocots AFF 0030298
  LEudicots_ADN_0017807
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   -Eudicots_AGG_0012057
                                                                           -Eudicots_AKB_0015370
  Eudicots_AKI_0039198
                                                                           -Eudicots_AKC_0015172
 Eudicots_AKG_0018773
                                                                       Eudicots_AKA_0005265
  -Eudicots_AHC_0010776
                                                                                    -Eudicots AAS 0010334
 Eudicots_AKP_0022227
                                                                     Eudicots_AKH_0027477
Eudicots_AKJ_0012744
                                                                    Eudicots AKK 0006933
 -Eudicots_ABE_0002617
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                                                                                -Eudicots_AKQ_0004191
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                              -Magnoliids ABS 0000899
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  -Eudicots_AAR_0013632
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__Eudicots_ACY_0026314
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basal angiosperms_AKM_0021178
                                                               Eudicots AKJ 0012744
 _Magnoliids_AIC_0046363
                                                                 -Eudicots_ABE_0002617
 <sup>L</sup>Magnoliids_AAU_0010704
                                                               -Magnoliids_AEH_0010343
 fbasal angiosperms_AEV_0011847
                                                                 -Magnoliids_AID_0028864
 basal angiosperms_ADD_0028302
                                                            Magnoliids_AIB_0007520
Chloranthales ABU 0012779
                                                                -basal angiosperms AEV 0011847
                                                                -basal angiosperms_ADD_0028302
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└basal angiosperms_AAL_0019449
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