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OGs_100106_T1_59_before
      Monocots_AGJ_0007246
      Monocots_AEO_0002687
      Monocots_ACG_0026313
      Monocots AFA 0003926
      Monocots_AEX_0004134
      Monocots_ACX_0041986
      Monocots_ACC_0007063
     Monocots_ABQ_0026398
      Monocots_AGD_0015641
      Monocots_ADO_0030610
      Monocots_AAH_0034659
      Monocots_AIR_0007390
      Monocots_AIS_0007916
      Monocots_AFT_0021772
                       -Monocots AHE 0028045
     Monocots AHF 0005690
     -Monocots AFD 0003978
      Monocots_AGK_0031765
    Eudicots_AKD_0026863
                                             OGs_100106_T1_59_after
                                                        -Chloranthales_ABV_0012167
      rMonocots_AKO_0004334
      Monocots_AKN_0007178
                                                        Chloranthales_ABU_0011076
    Monocots_AKE_0018961
                                                                    -Monocots_AKO_0004334
     Monocots_AAE_0001213
                                                                   -Monocots_AKN_0007178
     -Eudicots_AKF_0010537
                                                                  Monocots_AGJ_0007246
   basal angiosperms_AEV_0010769
                                                                   -Monocots_AEO_0002687
   basal angiosperms_ADD_0028954
                                                                    -Monocots_ACG_0026313
   -Monocots_AAV_0005697
                                                                  Monocots_AFA_0003926
    -Monocots_ADJ_0007960
                                                                    Monocots_AEX_0004134
  Monocots_ACP_0008760
                                                                 -Monocots_ACX_0041986
   -Monocots_AIJ_0017647
                                                                 -Monocots_ACC_0007063
  Monocots_AFF_0010998
                                                                Monocots_ABQ_0026398
  -Monocots_ABF_0026218
                                                                   -Monocots_AGD_0015641
  -Monocots_AEQ_0008945
                                                                    -Monocots_ADO_0030610
  Monocots_AIH_0029567
                                                                   Monocots_AAH_0034659
   Monocots_ACU_0005797
                                                                Monocots_AIR_0007390
                                                               -Monocots_AIS_0007916
   Monocots_ACT_0010317
  Monocots_AAB_0008457
                                                                -Monocots_AFT_0021772
  Chloranthales_ABV_0012167
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  Chloranthales_ABU_0011076
                                                                  Monocots_AFD_0003978
  Magnoliids_ABX_0025189
                                                                  Monocots_AGK_0031765
  Magnoliids_ABW_0015015
                                                               -Monocots_AKE_0018961
  -Magnoliids_ABS_0012348
                                                             <sup>L</sup>Monocots_AAE_0001213
  「Magnoliids_AID_0008770
                                                        -basal angiosperms_AEV_0010769
  Magnoliids_AEH_0030311
                                                         -basal angiosperms_ADD_0028954
   -Magnoliids_AIC_0036874
                                                         Magnoliids_ABX_0025189
   LMagnoliids_AAU_0019328
                                                         Magnoliids_ABW_0015015
  -basal angiosperms_AKM_0018935
                                                            -Magnoliids ABS 0012348
  -Eudicots_AKP_0020137
                                                  Magnoliids_AEH_0030311
 Eudicots_AKA_0030833
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  -Eudicots_AKG_0009656
                                                       Eudicots_AKA_0030833
 -Eudicots_AHC_0005105
                                                         -Eudicots_AKG_0009656
  -Eudicots_ABE_0014671
                                                       Eudicots_AHC_0005105
 -Eudicots_AIO_0008875
                                                         -Eudicots_ABE_0014671
  -Eudicots_ACY_0020148
                                                      Eudicots_AIO_0008875
  -Eudicots_AAR_0017530
                                                           -Eudicots_ACY_0020148
-Eudicots_AZA_0012446
                                                          -Eudicots_AAR_0017530
Ceratophyllales_AIA_0022636
                                                   Eudicots AZA 0012446
   basal angiosperms_AAL_0013823
                                               Ceratophyllales_AIA_0022636
    Outgroup_ADK_0020649
                                                            -Outgroup_ADK_0020649
0. 533047
                                             0. 12414
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