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OGs_100051_T1_77_before
                -Monocots_AGJ_0024814
                Monocots_AEO_0017376
                Monocots_ACG_0008693
                 -Monocots_AHE_0013226
                -Monocots_AFA_0025424
                -Monocots_AGW_0014599
                  Monocots_ABP_0055535
               -Monocots_AIT_0038639
<sub>[</sub>Monocots_ACX_0032788
                Monocots_ACC_0015946
                                                OGs_100051_T1_77_after
                   -Monocots_AEX_0005203
                                                      -basal angiosperms_AEV_0022414
               Monocots_ABQ_0030774
                                                      basal angiosperms_ADD_0003362
                                                                 -Monocots_AGJ_0024814
-Monocots_AEO_0017376
                Monocots_AAH_0028032
                -Monocots_AGD_0037670
                Monocots_ADO_0011822
                                                                 Monocots_ACG_0008693
                Monocots_AFT_0017050
                                                                  Monocots_AHE_0013226
               LMonocots_AIS_0010057
                                                                 -Monocots_AFA_0025424
               -Monocots_AIR_0009512
                                                                Monocots_AGW_0014599
                Monocots_AEB_0007612
                                                                   Monocots_ABP_0055535
                                                                -Monocots_AIT_0038639
-Monocots_ABQ_0030774
               -Monocots_AEY_0025477
-Monocots_AHF_0015412
                              _0015412
              Monocots_AFD_0026088
                                                                Monocots_ACX_0032788
                                                                Monocots_ACC_0015946
             -Monocots_AGK_0018211
            -Monocots_ADV_0007314
                                                                Monocots_AAH_0028032
                        _Monocots_AKO_0018417
                                                                 -Monocots_AGD_0037670
                                                                _Monocots_ADO_0011822
-Monocots_AFT_0017050
                         Monocots_AKN_0016269
            Monocots_AAO_0001072
                                                               Monocots_AIS_0010057
         -Monocots_AEQ_0016897
     Monocots_AIH_0017062
                                                                Monocots_AIR_0009512
        Monocots_AFF_0027585
                                                                 Monocots_AEB_0007612
         Monocots_ABF_0011432
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                                                                 Monocots_AHF_0015412
              -Monocots_ACP_0002254
                                                               Monocots_AFD_0026088
                  -Monocots_ADJ_0000241
             -Monocots_AIJ_0018282
                                                              -Monocots_AGK_0018211
            -Monocots_AAV_0009380
                                                             Monocots_ADV_0007314
        Monocots_ACT_0001500
                                                                         -Monocots_AKO_0018417
         Monocots_ACU_0006979
                                                                         -Monocots_AKN_0016269
                                                            -Monocots_AAO_0001072
               -Monocots_AAB_0000300
                   Monocots_AHJ_0011899
                                                        -Monocots_AFF_0027585
           Monocots_AKE_0020912
Monocots_AAE_0015681
                                                         -Monocots_ABF_0011432
                                                      Monocots_AIH_0017062
                 Monocots_AHH_0012401
                                                               -Monocots_ACP_0002254
       -Magnoliids_AEH_0008220
                                                                   -Monocots_ADJ_0000241
      Magnoliids_AID_0024472
                                                             -Monocots_AIJ_0018282
                                                            -Monocots_AAV_0009380
     -Magnoliids_ABX_0017459
  Magnoliids_ABS_0009690
                                                         Monocots_ACT_0001500
Monocots_ACU_0006979
       -Eudicots_AKB_0032974
        -Eudicots_AKC_0019753
                                                                -Monocots_AAB_0000300
       Eudicots_AKA_0012088
                                                                    Monocots_AHJ_0011899
       -Eudicots_AKH_0030120
                                                            Monocots_AKE_0020912
                                                            -Monocots_AAE_0015681
        -Eudicots_AKK_0007824
       -Eudicots_ADL_0001735
                                                                  Monocots_AHH_0012401
          Eudicots_AHC_0018938
                                                        -Magnoliids_AEH_0008220
          -Eudicots_AKD_0006018
                                                       -Magnoliids_AID_0024472
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                                                  Magnoliids_ABS_0009690
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       Eudicots_AKI_0033687
                                                        -Eudicots_AKC_0019753
                                                      Eudicots_AKA_0012088
      Eudicots_AKG_0020504
            -Eudicots_AKQ_0022273
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           Eudicots_ADN_0008476
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                                                      Eudicots_ADL_0001735
             Eudicots_AKR_0011662
                                                          -Eudicots AHC 0018938
             -Eudicots AKL 0005996
   Eudicots_AIO_0012662
                                                           -Eudicots_AKD_0006018
    -Eudicots_AIN_0001071
                                                        Eudicots_AKJ_0140943
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    Eudicots_AEG_0009058
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                                                           -Eudicots_ADN_0008476
                                                     Eudicots_AKI_0033687
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                                                              -Eudicots_AKL_0005996
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            -Magnoliids_AAU_0006740
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      Chloranthales_ABU_0001552
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      -Chloranthales_ABV_0014856
                                                     -Eudicots_AZA_0008374
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                                                           -Eudicots_AAR_0012998
       -basal angiosperms_AEV_0022414
                                                      Eudicots ABE 0009522
       -basal angiosperms_ADD_0003362
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                                                     Chloranthales_ABV_0014856
0. 21176
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