```
OGs_100161_T1_51_before
            Monocots AAO 0023825
            Monocots_AAN_0000579
            -Monocots_AAV_0005390
          -Monocots_AEQ_0033602
          Monocots AIH 0061551
          -Monocots_AFF_0008354
          -Monocots ADJ 0002963
          Monocots_ACP_0005440
          Monocots AIJ 0004711
                           -Chloranthales ABU 0001481
          Magnoliids_AAU_0006181
          -Magnoliids AIC 0042873
          basal angiosperms ADD 0028839
          basal angiosperms AEV 0023160
           -Monocots_AAB_0015748
         Monocots AHH 0006355
         Monocots_ADV_0015509
         _Eudicots_AKQ_0018271
         Eudicots_ADN_0008940
           –Eudicots AKI 0035627
         Eudicots AGG 0018603
          -Eudicots AAS 0015608
          rMonocots AKO 0006746
                            -Monocots AKN 0008827
           -Eudicots ACY 0004971
         LEudicots_AAR_0012912
        Monocots AFD 0028983
                 -Monocots AHJ 0001681
         Monocots_ACU_0030042
                             -Monocots ACT 0019719
        Monocots AKE 0004725
         Monocots_AAE_0016475
                                                    OGs_100161_T1_51_after
       Monocots_AEY_0024495
                                                                           Monocots AGJ 0024425
                        -Monocots_AIR_0045316
                                                                           Monocots_AEO_0026843
                          -Monocots_AEB_0009613
                                                                           -Monocots_ACG_0013037
       Monocots AHF 0013903
                                                                           Monocots_AHE_0013242
       Monocots AIS 0027983
                                                                           -Monocots_AFA_0027330
       Monocots_AFT_0024085
                                                                            -Monocots ABP 0020257
       Monocots_ADO_0020007
                                                                                 -Monocots AIT 0013722
      Monocots_AGD_0028916
                                                                          Monocots AGW 0014386
       Monocots_AAH_0021459
                                                                         Monocots ABQ 0008790
            Monocots AGJ 0024425
                                                        -Eudicots_AKQ_0018271
           Monocots_AEO_0026843
                                                        -Eudicots_ADN_0008940
            -Monocots ACG 0013037
                                                          -Eudicots_AKI_0035627
           Monocots AHE 0013242
                                                        -Eudicots AGG 0018603
           Monocots AFA 0027330
                                                       -Eudicots AAS 0015608
            Monocots ABP 0020257
                                                      -Eudicots AAR 0012912
               -Monocots_AIT_0013722
                                                         -Eudicots ACY 0004971
           Monocots_AGW_0014386
                                                     basal angiosperms ADD 0028839
           Monocots_ABQ_0008790
                                                     LMagnoliids_AAU_0006181
0.9724
                                                    0.517324
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