```
OGs 100048 T1 42 before
      -Eudicots AKP 0013001
      Eudicots AKA 0032509
      Eudicots AKJ 0001829
      Eudicots AKB 0010315
      Eudicots AKC 0002242
      Eudicots AHC 0022342
       -Outgroup ADK 0017198
      basal angiosperms AKM 0016586
      Lbasal angiosperms AAL 0017688
      Magnoliids AAU 0004511
      Magnoliids AIC 0037790
      sbasal angiosperms AEV 0012883
      basal angiosperms_ADD_0004902
               -Monocots AKO 0007295
      -Eudicots ACY 0001590
      Eudicots AAR 0015556
      Magnoliids AID 0030570
      Monocots AKN 0008356
                -Monocots ACT 0001253
                -Monocots ACU 0021917
      Monocots AAO 0015330
      Monocots_AAN_0008031
     Monocots AFD 0028990
               FMonocots_ADV_ 0007027
                      -Monocots AHE 0014259
     Monocots AGK 0035928
     Monocots AEY 0023572
     -Monocots_AEB_0008077
     Monocots_AHF_0023751
     Monocots AIS 0034984
     Monocots_AIR_0003209
     Monocots ACC 0042186
     Monocots ACX 0032292
     Monocots AEX 0010465
     Monocots ABQ 0030093
        Monocots AGJ 0026786
        Monocots AEO 0016643
        Monocots_ACG_0009350
       Monocots AFA 0026734
        Monocots AGW 0016649
        Monocots ABP 0056113
       Monocots AIT 0017448
                                            0. 490032
1. 40379
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OGs 100048 T1 42 after Monocots AGJ 0026786 Monocots AEO\_0016643 Monocots\_ACG\_0009350 Monocots AFA 0026734 -Monocots AGW 0016649 Monocots\_ABP\_0056113 Monocots AIT 0017448 -Eudicots AKJ 0001829 Eudicots AKA 0032509 Eudicots AKB 0010315 Eudicots AKC 0002242 Eudicots AHC 0022342 —basal angiosperms\_AAL\_0017688 Lbasal angiosperms AKM 0016586 rMagnoliids AAU 0004511 LMagnoliids\_AIC\_0037790