```
OGs 100002 T1 31 before
        basal angiosperms ADD 0015823
        basal angiosperms AEV 0000908
        Magnoliids AEH 0010000
          -basal angiosperms AAL 0003673
                       Monocots AFT 0007086
                       Monocots AIS 0000266
        Monocots AGK 0028994
        Monocots_AFA_0010816
                    -Monocots AGW 0029760
           -Monocots ABP 0039648
                      -Monocots AIT 0038015
        -Eudicots AKF 0014508
        Monocots AIJ 0005588
        Magnoliids AID 0004462
        -basal angiosperms AKM 0007403
                    Monocots AHE 0029182
                    Monocots AEO 0008352
                    Monocots AGJ 0001663
                    Monocots ACG 0024638
        Monocots_AHF_0032359
       Eudicots AKD 0024182
             Monocots_AAH_0020740
             -Monocots ADO 0030905
             -Monocots_AEB_0012329
             Monocots AEY 0032949
             -Monocots AGD 0034617
1.27654
                                            0.688403
```

OGs 100002 T1 31 after Monocots AHE 0029182 Monocots AEO 0008352

Monocots AGJ 0001663 Monocots ACG 0024638 Monocots_AHF_0032359 -Magnoliids_AID_0004462

basal angiosperms_ADD_0015823 basal angiosperms AEV 0000908 LEudicots AKD 0024182