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OGs_100031_T1_49_before
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         Monocots AGD 0025554
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        -Monocots AFA 0020279
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        Monocots ACX 0028404
                                                   OGs 100031 T1 49 after
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        Monocots AEX 0014743
        -Monocots AIT 0048710
              -Monocots_AGJ_0020922
              -Monocots AKO 0004399
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        Monocots_AIH_0040755
        -Monocots AHE 0007715
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        Magnoliids AAU 0002531
        Chloranthales ABU 0005444
        Chloranthales ABV 0010481
       Monocots_ABQ_0017525
                     -Monocots AAN 0010677
        -Monocots_AAV_0025046
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          -Monocots_ACT_0000213
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       Eudicots_AIN_0011210
                        -Magnoliids ABW 0009784
          -Magnoliids_ABS_0029317
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              -Magnoliids ABX 0013628
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1.21592
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Eudicots\_AIN\_0011210 -basal angiosperms AAL 0017930 1Chloranthales ABU 0005444 Chloranthales ABV 0010481 Monocots AEY 0013725 Monocots AEB 0021544 Monocots\_AHF\_0027595 Monocots AGD 0025554 Monocots AIR 0023250 1.19735

FEudicots AEG 0005910

Monocots AFD 0023454 Monocots ADV 0005869 Monocots AGK 0023366 Monocots\_AEO\_0046437 Monocots\_AFA\_0020279 Monocots AIS 0008183 Monocots\_ACX\_0028404 Monocots ACC 0011959 Monocots AEX 0014743 Monocots AIT 0048710 -Monocots\_AGJ\_0020922 Monocots\_AKN\_0007114 Monocots AIH 0040755 Monocots AHE 0007715 Magnoliids AIB 0009884 -Magnoliids ABS 0029317 -Magnoliids ABX 0013628

Monocots AAH 0021136

Monocots\_ADO\_0018627