```
•Mylflu EP00047 Mylnosiga fluctuans P002505 | OG0 |
           -Lcom_lcpid240612 | OG0 |
96
              Lcom Icpid236199 | OG0 |
    98
                 •Lcom_lcpid206090 | OG0 |
            Salinf EP00049 Salpingoeca infusionum P005702 | OG1 |
             r-Microa_EP00043_Microstomoeca_roanoka_P007815 | OG1 |
              •Sros EGD81653 | OG1 |
     97
            •Mbre_EDQ91097 | OG1 |
             •Chofle EP00730 Choanoeca flexa P012408 | OG1 |
       100
          Tion Choper EP00045 Choanoeca perplexa_P010994 | OG1 |
           •Diagra_EP00040_Diaphanoeca_grandis_P017904 | OG1 |
              Stedip_EP00041_Stephanoeca_diplocostata_P006222 | OG1 |
               -Acaspe_EP00035_Acanthoeca_spectabilis_P020056 | OG1 |
            <sup>99</sup>-Helnan_EP00037_Helgoeca_nana_P031932 | OG1 |
     78
            -Mylflu EP00047 Mylnosiga fluctuans P019990 | OG1 |
                Salurc EP00051 Salpingoeca urceolata P027542 | OG1 |
                  Salmac_EP00052_Salpingoeca_macrocollata_P030713 | OG1 |
                     Salpun_EP00053_Salpingoeca_punica_P023464 | OG1 |
                  Codhol EP00042 Codosiga hollandica P059740 | OG1 |
                    ·Didcos_EP00039_Didymoeca_costata_P018955 | OG1 |
                    Saldol_EP00054_Salpingoeca_dolichothecata_P002915 | OG1 |
                     Salkve_EP00050_Salpingoeca_kvevrii_P013764 | OG1 |
            •Clacor_Ccor_scaffold12979_01 | OG1 |
              •Horcal_Hcv1.av93.c8.g307.i1 | OG1 |
 96
           <sup>100</sup>¹•Pbac sb2668992 | OG1 |
     86
              100
                  Bolinf_Binf_sb1221159 | OG1 |
                <sup>93</sup>  Bolinf_Binf_sb1221160 | OG1 |
           85
                    Mlei_ML1496.g49.i1 | OG1 |
                      <sub>-</sub>-Bolinf_Binf_sb1219240 | OG1 |
             83
                        Mertsp_Mesp_sb560360 | OG1 |
                          Bolinf Binf sb1221158 | OG1 |
                        94 Bolinf_Binf_sb1221157 | OG1 |
                     Drygla_Dgla_sb275963 | OG1 |
                        <sub>[</sub>•Lampan_Lpan_6392_01 | OG1 |
                           Coemet Cmet scaffold2138 01 | OG1 |
                        <sup>1001</sup>•Vmul_sbMO432459 | OG1 |
   99
                    69
                         Bolinf Binf sb1301155 | OG1 |
                           Beraby_Baby_sb332780 | OG1 |
                            Beraby_Baby_sb332779 | OG1 |
                           <sup>1</sup>•Beraby_Baby_sb332781 | OG1 |
            Clacor_Ccor_scaffold10047_01 | OG1 |
              •Lcom_lcpid84021 | OG1 |
       100
                 •Scil_scict022771.1 | OG1 |
           100
                    <u>-</u>Leuniv_Lniv_scaffold18445_01 | OG1 |
                 <sup>100</sup><sup>1</sup>-Gracom_Gcom_C545510_01 | OG1 |
               Opea_EP00118_Oscarella_pearsei_P005602 | OG1 |
            <sup>991</sup>•Plajan_Pjan_C538086_01 | OG1 |
                  •Spolac_c104184_g3_i1_m.38695c104184-g3 | OG1 |
                   •Emue_Em0001g1437a.t1 | OG1 |
                    •Lcom_lcpid215760 | OG1 |
                    •Tetwil_g6386.t1 | OG1 |
                     Xestes_maker-XT_scaffold26981-augustus-gene-0.15-mRNA-1 | OG1 |
                        •Aque_Aqu2.1.18818_001 | OG1 |
                         <sub>-</sub>Aque_Aqu2.1.37486_001 | OG1 |
                           Halamb_c51314_g1_i1mm.3916 | OG1 |
                             <sub>s</sub>Halamb_c19830_g1_i1m.3486 | OG1 |
       68
                           <sup>86</sup> Halamb_c26579_g1_i1m.5167 | OG1 |
                  •Hvul_g9623_1 | OG1 |
                  •Chem_TCONS_00011201 | OG1 |
                  •Morvir_scaffold264.g37.t1 | OG1 |
                   •Rhoesc_Res_013601-T1 | OG1 |
              98
                      •Nemnom_g17099.t1 | OG1 |
                          ⊸Sanmal_Sma_009193-T1 | OG1 |
                  -Dgig_XM_028552081.1 | OG1 |
              100 - Xesp_004276-T1 | OG1 |
                      •Exapal_XM_021051483.2 | OG1 |
                  <sup>100</sup>1•Nvec_v1g236613 | OG1 |
                     Spis_XP_022793544_1 | OG1 |
                         •Pocdam_XM_027197996.1 | OG1 |
                           -Amil Amillepora18482-RA | OG1 |
                         <sup>991</sup>Adig_XM_015895715.1 | OG1 |
                               -Gasp_gasp1.m3.12453.m1 | OG1 |
                           <sub>"</sub>Fspp_ffun1.m4.25860.m1 | OG1 |
                         <sup>991</sup>-Gfas_gfas1.m1.13905.m1 | OG1 |
                   •Skow_XM_002738125.2 | OG1 |
                     •Bralan_BLAG05001030_1 | OG1 |
                            Spur_XM_001201172.4 | OG1 |
                         <sup>1001</sup>Spur_XM_030997479.1 | OG1 |
                78
                                 •HoiH11_mRNA6695 | OG1 |
                                    -HoiH23_PIH23_002632-RA | OG1 |
                                     TrH2_TrispH2_000063-RA | OG1 |
                           100
                                  99<sup>1</sup>-Tadh_TriadT19675 | OG1 |
                                  <sub>e</sub>HoiH04_mRNA3277 | OG1 |
                                   Hhon_g06133.t1 | OG1 |
                                   •Hsap_ENST00000256496 | OG1 |
                                 •Cscu_XM_023373433.1 | OG1 |
                                Cscu_XM_023358252.1 | OG1 |
                             <sup>100</sup> Cscu_XM_023358240.1 | OG1 |
                              •Tcas_TC012677_001 | OG1 |
                             └-Dpul_mRNA22421 | OG1 |
                                 Hsap_ENST00000272217 | OG1 |
                                ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA213461 | OG1 |
                                •Cgig_XM_011440704.3 | OG1 |
                                 <sub>_</sub>-Lcom_lcpid156889 | OG1 |
                                   -Acagra_model.g8724.t1 | OG1 |
0.416667
```