```
•Nvec v1g162161 | OG0 |
               •Exapal XM 021060476.2 | OG0 |
   92
                                 •Adig XM 015905437.1 | OG0 |
                      •Gfas gfas1.m1.20547.m1 | OG0 |
     84
                           Amil Amillepora26487-RA | OG0 |
                100
                                                               -Amil Amillepora11837-RA | OG0 |
          98
                 •Spis XP 022786626 1 | OG0 |
              <sup>1001</sup>-Pocdam_XM_027189014.1 | OG0 |
                 •Fspp_ffun1.m4.5760.m1 | OG0 |
                   Gasp_gasp1.m3.8116.m1 | OG0 |
 48
                          •Gasp gasp1.m3.8120.m1 | OG0 |
               •Xesp 003043-T1 | OG0 |
              •Dgig XM 028560591.1 | OG0 |
       100
               _Dgig_XM_028555972.1 | OG0 |
              <sup>991</sup>•Dgig_XM_028561150.1 | OG0 |
                            -Chem TCONS 00025970 | OG0 |
                             <sub>r</sub>Hvul_g12681_1 | OG0 |
                                   -Hvul g12684 1 | OG0 |
   56
                       •Morvir_scaffold153.g28.t1 | OG0 |
                        •Sanmal Sma 020691-T1 | OG0 |
                         •Nemnom g4024.t1 | OG0 |
            100
                      •Rhoesc Res_009922-T1 | OG0 |
                  •HoiH06_mRNA14652 | OG0 |
     68
                     •HoiH23 PIH23 001187-RA | OG0 |
               100
                         Hhon g02759.t1 | OG0 |
                      <sup>100</sup> HoiH04 _mRNA7548 | OG0 |
                          +HoiH11 mRNA6533 | OG0 |
                            TrH2 TrispH2 002510-RA | OG0 |
                         <sup>100</sup> Tadh_TriadT49959 | OG0 |
                   Bolinf Binf sb1258203 | OG0 |
                100 Bolinf Binf sb1258202 OG0
                   <sup>1</sup>Bolinf Binf sb1258201 | OG0 |
           97
                            -Lampan_Lpan_C392633_01 | OG0 |
                          •Vmul_SimC372059 | OG0 |
                           -Coeast Cast sb831943 | OG0 |
                   100
                        <sup>100</sup> Coemet_Cmet_C575744_01 | OG0 |
                 Mylflu EP00047 Mylnosiga fluctuans P022099 | OG0 |
                 Spolac_c99097_g1_i1_m.18803c99097-g1 | OG0 |
                   --Spolac_c99097_g1_i3_m.18804c99097-g1 | OG0 |
   53
                 Emue Em0008g1252a.t1 | OG0 |
               <sup>100</sup>Emue Em0008g1236a.t1 | OG0 |
     80
                •Tetwil g11420.t1 | OG0 |
                   •Aque Aqu2.1.36216 001 | OG0 |
                          Xestes_snap_masked-XT_scaffold122191-processed-gene-0.3-mRNA-1 | OG0 |
                      Stycar maker-SC scaffold81711-snap-gene-0.17-mRNA-1 | OG0 |
                       Stycar maker-SC scaffold124488-snap-gene-0.18-mRNA-1 | OG0 |
                     921-Stycar_maker-SC_scaffold81711-snap-gene-0.16-mRNA-1 | OG0 |
                 Acagra model.g9209.t1 | OG0 |
                  Opea EP00118 Oscarella pearsei P028051 | OG0 |
     60
               100 Ocar g2716 | OG0 |
                   •Cgig XM 011418518.3 | OG0 |
                          •Cscu_XM_023379356.1 | OG0 |
         95
                 <sup>100</sup> Cscu_XM_023379365.1 | OG0 |
       36
                     •Dpul_mRNA27905 | OG0 |
                      Skow XM 002732705.2 | OG0 |
                           •Tcas TC010571 001 | OG0 |
                        Bralan BLAG10000410 1 | OG0 |
                        -Spur XM 030976937.1 | OG0 |
                           •Hsap_ENST00000342932 | OG0 |
                     •Pbac sb2666194 | OG0 |
                           Codhol EP00042 Codosiga hollandica P023208 | OG0 |
                           •Salurc_EP00051_Salpingoeca_urceolata_P006424 | OG0 |
                                 -salmac_EP00052_Salpingoeca_macrocollata_P011245 | OG0 |
            30
                           <sup>1001</sup>⊸Salmac_EP00052_Salpingoeca_macrocollata_P011247 | OG0 |
              23
                           Salkve_EP00050_Salpingoeca_kvevrii_P010556 | OG0 |
                                 •Gracom_Gcom_scaffold10622_01 | OG0 |
       45
                                     Scil scict012577.1 | OG0 |
                           100
                                        •Leuniv_Lniv_C782169_01 | OG0 |
                                       Lcom_lcpid85946 | OG0 |
                                        Lcom_lcpid82367 | OG0 |
                                         Lcom_lcpid84747 | OG0 |
                                          Lcom Icpid83639 | OG0
          81
                                         <sup>11</sup>Lcom_lcpid53771 | OG0
                         •Microa_EP00043_Microstomoeca_roanoka_P002991 | OG0 |
                                   •Salinf_EP00049_Salpingoeca_infusionum_P008829 | OG0 |
                             Salinf_EP00049_Salpingoeca_infusionum_P008826 | OG0 |
              44
                               -Salinf EP00049 Salpingoeca infusionum P008828 | OG0 |
                 56
                              •Saldol_EP00054_Salpingoeca_dolichothecata_P026062 | OG0 |
                                Saldol_EP00054_Salpingoeca_dolichothecata_P026057 | OG0 |
                                  -Saldol_EP00054_Salpingoeca_dolichothecata_P026052 | OG0 |
                               82<sup>1</sup>Saldol_EP00054_Salpingoeca_dolichothecata_P026060 | OG0 |
            49
                          Salpun EP00053 Salpingoeca punica P017358 | OG0 |
                                  •Chofle_EP00730_Choanoeca_flexa_P003403 | OG0 |
                39
                          98
                                          Choper_EP00045_Choanoeca_perplexa_P011903 | OG0 |
                  38
                                   Sros_EGD80802 | OG0 |
                                          -Mbre_EDQ84779 | OG0 |
                             Diagra EP00040 Diaphanoeca grandis P026333 | OG0 |
                                   -Stedip_EP00041_Stephanoeca_diplocostata_P011895 | OG0 |
                                                           •Acaspe EP00035 Acanthoeca spectabilis P006987 | OG0 |
                   89
                             95
                                                            •Helnan_EP00037_Helgoeca_nana_P003952 | OG0 |
                        96
                                      Didcos_EP00039_Didymoeca_costata_P010392 | OG0 |
                                      Didcos EP00039 Didymoeca costata P010391 | OG0 |
                                                                    -Didcos_EP00039_Didymoeca_costata P010393 | OG0 |
0.416667
```