```
•Salmac_EP00052_Salpingoeca_macrocollata_P033448 | OG0 |
                         •Plespi_Pspi_C596074_01 | OG0 |
59
                         •Aque_Aqu2.1.24824_001 | OG0 |
         100
                          •Halamb_c44136_g1_i1m.17087 | OG0 |
                          •Tetwil g10777.t2 | OG0 |
              99
                            Stycar maker-SC scaffold140599-augustus-gene-0.82-mRNA-1 | OG0 |
                            -Stycar_maker-SC_scaffold72249-snap-gene-0.3-mRNA-1 | OG0 |
              •Drygla_Dgla sb289656 | OG1 |
                •Bolinf_Binf_sb1232125 | OG1 |
             100 Mertsp_Mesp_sb559723 | OG1 |
       100
                  Bolinf Binf sb1232124 | OG1 |
                  <sup>1</sup> Mertsp_Mesp_sb559722 | OG1 |
          44
                 Horcal_Hcv1.av93.c7.g9.i1 | OG1 |
              <sup>100</sup><sup>1</sup> Pbac sb2651370 | OG1 |
                  •Mlei ML1311.g22.i1 | OG1 |
                    Bolinf Binf sb1259624 | OG1 |
                 Salkve_EP00050_Salpingoeca_kvevrii_P005876 | OG1 |
        58
               •Salpun_EP00053_Salpingoeca_punica_P003415 | OG1 |
               Salurc EP00051 Salpingoeca urceolata P017167 | OG1 |
               Mylflu EP00047 Mylnosiga fluctuans P002107 | OG1 |
              •Mbre EDQ88327 | OG1 |
    42
             Chofle_EP00730_Choanoeca_flexa_P019822 | OG1 |
             •Choper_EP00045_Choanoeca_perplexa_P022940 | OG1 |
                 Salinf_EP00049_Salpingoeca_infusionum_P017256 | OG1 |
               Sros EGD81302 | OG1 |
                  •Microa_EP00043_Microstomoeca_roanoka_P027040 | OG1 |
  36
           •Lcom_lcpid173046 | OG1 |
            <sub>"</sub>Saldol_EP00054_Salpingoeca_dolichothecata_P008515 | OG1 |

   Saldol EP00054 Salpingoeca dolichothecata P008516 | OG1 |

                 Lcom Icpid141548 | OG1 |
                     Stedip_EP00041_Stephanoeca_diplocostata_P025790 | OG1 |
        82
                    Didcos EP00039 Didymoeca costata P018194 | OG1 |
          100
                    Diagra_EP00040_Diaphanoeca_grandis_P021035 | OG1 -
                      Acaspe EP00035 Acanthoeca spectabilis P035032 | OG1 |
                       •Helnan_EP00037_Helgoeca_nana_P000241 | OG1 |
                •Tcas_TC000104_002 | OG1 |
          99
                   Dpul mRNA4806 | OG1 |
                     ·Codhol_EP00042_Codosiga_hollandica_P012170 | OG1 |
            84
        63
                        Lcom | lcpid180611 | OG1 |
                  •Hsap ENST00000224073 | OG1 |
          57
                     •Spur_XM_783028.5 | OG1 |
                         •Clacor_Ccor_C515957_01 | OG1 |
                          •Gracom_Gcom_scaffold15248_01 | OG1 |
            57
                    100
                             Lcom | lcpid177961 | OG1 |
                       99
                           1001Scil scict015475.1 | OG1 |
              42
                             -Lcom_lcpid47125 | OG1 |
                           951-Leuniv_Lniv_C795488_01 | OG1 |
                         •Skow_XM_002735394.2 | OG1 |
                          Bralan_BLAG08000524_1 | OG1 |
                    36
                               Opea_EP00118_Oscarella_pearsei_P024981 | OG1 |
                      64
                                           •Ocar_g5712 | OG1 |
                                •Tetwil_g1501.t1 | OG1 |
                        86
                             <sup>87</sup>└-Stycar_maker-SC_scaffold7506-snap-gene-0.38-mRNA-1 | OG1 |
                                  •Aque_Aqu2.1.34211_001 | OG1 |
                                  •Emue Em0016g1000a.t1 | OG1 |
                              Lcom_lcpid144278 | OG1 |
                              •Lcom_lcpid248530 | OG1 |
                      18
                                 •Acagra_model.g20791.t1.1.5d3b8a0b | OG1 |
                                 Cscu_XM_023366581.1 | OG1 |
                                 •Cgig XM 011450795.3 | OG1 |
                                •Morvir scaffold406.g2.t1 | OG1 |
                                 •Sanmai_Sma_021950-11 | OG1 |
                                  _•Nemnom_g5379.t1 | OG1 |
                               <sup>100</sup>-Rhoesc_Res_015649-T1 | OG1 |
                                 •Dgig_XM_028552532.1 | OG1 |
                                 •Xesp_008285-T1 | OG1 |
                                  100 Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA171839 | OG1 |
                                    •Hvul_g11555_1 | OG1 |
                                 100 Chem_TCONS_00072215 | OG1 |
                                   Fspp_ffun1.m4.18264.m1 | OG1 |
                      59
                                   TrH2_TrispH2_003096-RA | OG1 |
                                100 Tadh_TriadT63634 | OG1 |
                          87
                                     <sub>r</sub>HoiH23_PIH23_005641-RA | OG1 |
                              100
                                  <sup>100</sup> HoiH06_mRNA12308 | OG1 |
                                       +HoiH11 mRNA2213 | OG1 |
                                       Hhon_g01290.t1 | OG1 |
                        91
                                    92 HoiH04_mRNA14512 | OG1 |
                               -Amil_Amillepora01152-RA | OG1 |
                            <sup>100</sup> -Adig_XM_015909340.1 | OG1 |
                                   Exapal XM 021056870.2 | OG1 |
                                  •Nvec_v1g191780 | OG1 |
                                   •Spis_XP_022794397_1 | OG1 |
                                     •Pocdam_XM_027199430.1 | OG1 |
                                   •Gfas_gfas1.m1.20465.m1 | OG1 |
                                      -Gasp_gasp1.m3.30381.m1 | OG1 |
                                   0.416667
```