```
•Lcom | lcpid248616 | OG0 |
                     <sub>r</sub>-Salinf_EP00049_Salpingoeca_infusionum_P010778 | OG0 |
    79
                         Salinf_EP00049_Salpingoeca_infusionum_P010781 | OG0 |
      58
                    ·Codhol_EP00042_Codosiga_hollandica_P034007 | OG0 |
                     Codhol EP00042 Codosiga hollandica P034000 | OG0 |
                 <sup>921</sup>Codhol EP00042 Codosiga_hollandica_P034003 | OG0 |
                                      -Vmul SimC399034 | OG0 |
                                    Coeast_Cast_sb754368 | OG0 |
                          100
                                <sup>100</sup><sup>1</sup>-Coemet_Cmet_C602689_01 | OG0 |
              100
                              •Lampan_Lpan_C415681_01 | OG0 |
                              •Vmul SimC398378 | OG0 |
                    100
                               Coemet Cmet scaffold13015 01 | OG0 |
                       100
                                  Coeast_Cast_sb791254 | OG0 |
                               100
                                  961 Coeast Cast sb791253 | OG0 |
        100
                         Coemet Cmet C604260 01 | OG0 |
                 100
                         Vmul Simscaffold13822 01 | OG0 |
                         <sub>[</sub>•Drygla_Dgla_sb298330 | OG0 |
                      <sup>1001</sup>Drygla_Dgla_sb298329 | OG0 |
                          Beraby_Baby_sb333415 | OG0 |
            100
                       <sup>100</sup> Beraby_Baby_sb333416 | OG0 |
                                       •Pbac sb2638240 | OG0 |
                    68
                            <u>-</u>Lampan_Lpan_5470_01 | OG0 |
                         <sup>1001</sup>Lampan_Lpan_5471_01 | OG0 |
                      Pbac sb2664435 | OG0 |
                          Pbac sb2655616 | OG0 |
                        <sup>97</sup> -Pbac_sb2638242 | OG0 |
                            Horcal_Hcv1.av93.c6.g1200.i1 | OG0 |
                          <sup>661</sup>Horcal Hcv1.av93.c6.g1200.i2 | OG0 |
                            "Horcal Hcv1.av93.c6.g1200.i3 | OG0 |
                                   •Pbac sb2638244 | OG0 |
            <u>-Mylflu_EP00047_Mylnosiga_fluctuans_P022668 | OG1 |</u>
          <sup>100</sup> Mylflu_EP00047_Mylnosiga_fluctuans_P022669 | OG1 |
                      •Lcom_lcpid233057 | OG1 |
                        Salpun_EP00053_Salpingoeca_punica_P018933 | OG1 |

    Salmac EP00052 Salpingoeca macrocollata P013121 | OG1 |

    Saldol EP00054 Salpingoeca dolichothecata P009840 | OG1 |

                   100 Saldol EP00054_Salpingoeca_dolichothecata_P009839 | OG1 |
                      Salurc EP00051 Salpingoeca urceolata P017090 | OG1 |
                                    Codhol EP00042 Codosiga hollandica P034005 | OG1 |
                             Codhol EP00042 Codosiga_hollandica_P034006 | OG1 |
            30
                         •Microa EP00043 Microstomoeca roanoka P006592 | OG1 |
              53
                   100
                         •Sros EGD78013 | OG1 |
                99
                           •Mbre_EDQ89466 | OG1 |
                            Chofle EP00730 Choanoeca flexa P014587 | OG1 |
       76
                           Choper EP00045 Choanoeca perplexa P023104 | OG1 |
                     Diagra EP00040 Diaphanoeca grandis P024169 | OG1 |
                          Acaspe_EP00035_Acanthoeca_spectabilis_P039877 | OG1 |
            100
                         -Helnan_EP00037_Helgoeca_nana_P033432 | OG1 |
                       Stedip EP00041 Stephanoeca diplocostata P035678 | OG1 |
                     Gtedip EP00041_Stephanoeca_diplocostata_P035682 | OG1 |
         52
                       Salkve EP00050 Salpingoeca kvevrii P005776 | OG1 |
                          Didcos_EP00039_Didymoeca_costata_P032957 | OG1 |
                                           -TrH2_TrispH2_010416-RA | OG1 |
               85
                                        100 Tadh TriadT31230 | OG1 |
                                            -HoiH23 PIH23 010671-RA | OG1 |
     55
                                   100
                                         <sup>100</sup>-HoiH06 mRNA7674 | OG1 |
                                            Hhon g10603.t1 | OG1 |
                                         <sup>100</sup> HoiH04 mRNA2629 | OG1 |
                    •Ctel gnl WGS AMQN CAPTEDRAFT mRNA166406 | OG1 |
                          Opea EP00118 Oscarella pearsei P002158 | OG1 |
                          •Plajan Pjan C564222 01 | OG1 |
               100
                            •Plajan_Pjan_C528671_01 | OG1 |
                              -Plajan_Pjan_scaffold7091_01 | OG1 |
           23
                         <u>r</u>Clacor_Ccor_scaffold6679_01 | OG1 |
                      <sup>100</sup>Clacor_Ccor_scaffold6681_01 | OG1 |
                            Lcom lcpid74590 | OG1 |
       75
               100
                             Lcom_lcpid101040 | OG1 |
                           801Lcom_lcpid41978 | OG1 |
                   100
                             Scil_scict017411.1 | OG1 |
                               •Leuniv Lniv scaffold24905 01 | OG1 |
                        100
                                 Gracom_Gcom_scaffold18377_01 | OG1 |
                           Xestes_maker-XT_scaffold5401-augustus-gene-0.21-mRNA-1 | OG1 |
                           •Aque_Aqu2.1.38183_001 | OG1 |
          33
                               •Aque_Aqu2.1.38182_001 | OG1 |
                   68
                            •Halamb_c46713_g1_i3mm.2049 | OG1 |
               95
                              •Plespi_Pspi_C613456_01 | OG1 |
                     96
                                   •Plespi_Pspi_C609294_01 | OG1 |
                             •Stycar_maker-SC_scaffold101865-augustus-gene-0.2-mRNA-1 | OG1 |
                        <sup>1001</sup>Stycar_maker-SC_scaffold1585-snap-gene-0.9-mRNA-1 | OG1 |
                             •Tetwil_g18449.t2 | OG1 |
                              -Spolac_c96179_g1_i1_m.12669c96179-g1 | OG1 |
                                rEmue_Em0013g303a.t1 | OG1 |
            80
                             <sup>100</sup>L-Emue_Em0013g291a.t1 | OG1 |
                             •Morvir_scaffold4.g75.t1 | OG1 |
                               •Exapal_XM_028661235.1 | OG1 |
                      100
                               •Nvec_v1g112243 | OG1 |
                    85
                                    Dgig_XM_028559328.1 | OG1 |
                                     •Xesp_010389-T1 | OG1 |
                                •Adig_XM_015924363.1 | OG1 |
                  93
                        100
                              Gfas gfas1.m1.15199.m1 | OG1 |
                              •Spis_XP_022809091_1 | OG1 |
                     100
                          <sup>100</sup>-Pocdam_XM_027192356.1 | OG1 |
                               •Gasp_gasp1.m3.18234.m1 | OG1 |
                80
                              -Fspp_ffun1.m4.29013.m1 | OG1 |
                                •Spur_XM_030987055.1 | OG1 |
                                •Hsap_ENST00000321264 | OG1 |
                              •Bralan_BLAG01001107_1 | OG1 |
                                         •Bralan_BLAG11000901_1 | OG1 |
                  64
                                      -Acagra_model.g30093.t1_model.g30094.t1_model.g30095.t1.1.5d4011c4 | OG1 |
                                     Cgig XM 034443320.1 | OG1 |
                         72
                                        -Cscu_XM_023365540.1 | OG1 |
                                          •Dpul_mRNA26081 | OG1 |
                           93
                                         ·Tcas_TC002688_001 | OG1 |
                                               •Tcas_TC030784_001 | OG1 |
                      51
                                 Skow_XM_002732829.1 | OG1 |
                                            <sub>[</sub>TrH2_TrispH2_010417-RA|OG1|
                                         <sup>100</sup><sup>1</sup>•Tadh_TriadT60696 | OG1 |
                                              •HoiH11_mRNA5138 | OG1 |
                        78
                                                  -HoiH23_PIH23_010670-RA | OG1 |
                                         100
                                                            -HoiH06_mRNA869 | OG1 |
                                            100
                                                  <sub>e</sub>Hhon_g10604.t1 | OG1 |
                                               <sup>100</sup> HoiH04_mRNA2627 | OG1 |
                           82
                                         •Morvir_scaffold4.g77.t1 | OG1 |
                                             •Hvul_g4536_1 | OG1 |
                                             -Chem_TCONS_00024601 | OG1 |
                                    100
                                        Nemnom g9755.t1 | OG1 |
                             93
                                      •Rhoesc_Res_003531-T1 | OG1 |
                                       •Aaur_scaffold3611.g3.t1 | OG1 |
                                           Sanmal Sma 008767-T1 | OG1 |
0.416667
```