```
Clacor Ccor scaffold15374 01 | OG0 |
                                  -Lcom_lcpid65712 | OG0 |
        100
                               <sup>100</sup> Lcom_lcpid63034 | OG0 |
                        100
                                    Gracom_Gcom_scaffold4991_01 | OG0 |
                                    Scil scict011744.1 | OG0 |
                                     Salinf EP00049 Salpingoeca infusionum P025866 | OG0 |
                                   •Microa_EP00043_Microstomoeca_roanoka_P011880 | OG0 |
94
                 98
                          100
                                  •Sros EGD74264 | OG0 |
              100
                                 Mbre EDQ85834 | OG0 |
                                 ·Choper_EP00045_Choanoeca_perplexa_P014649 | OG0 |
                           100
                                  Chofle EP00730 Choanoeca flexa P010060 | OG0 |
        100
                              -Salkve_EP00050_Salpingoeca_kvevrii P007163 | OG0 |
                               Salmac_EP00052_Salpingoeca_macrocollata_P009566 | OG0 |
                   100
                                Salpun_EP00053_Salpingoeca_punica_P014936 | OG0 |
           95
                                     •Mylflu EP00047 Mylnosiga fluctuans P022379 | OG0 |
                    100
                                           •Mylflu EP00047 Mylnosiga fluctuans P009909 | OG0 |
                                    Salurc EP00051 Salpingoeca urceolata P028358 | OG0 |
             75
                               Saldol EP00054 Salpingoeca dolichothecata P016408 | OG0 |
                                             •Codhol_EP00042_Codosiga_hollandica_P036594 | OG0 |
               84
                                       Didcos EP00039 Didymoeca costata P000930 | OG0 |
                 90
                                             Diagra EP00040 Diaphanoeca grandis P007090 | OG0 |
                      100
                                             •Acaspe_EP00035_Acanthoeca_spectabilis P014686 | OG0 |
                           100
                                             -Helnan_EP00037_Helgoeca_nana_P016001 | OG0 |
                                              Stedip_EP00041_Stephanoeca_diplocostata_P025567 | OG0 |
                                                   -Stedip EP00041 Stephanoeca diplocostata P025573 | OG0 |
                 •Plespi Pspi C610054 01 | OG1 |
                      •Tetwil g11945.t2 | OG1 |
                      Stycar_maker-SC_scaffold55167-snap-gene-0.2-mRNA-1 | OG1 |
                         Xestes maker-XT scaffold39196-augustus-gene-0.6-mRNA-1 | OG1 |
           92
      97
                           •Aque_Aqu2.1.15742_001 | OG1 |
                   100
                      <sup>100</sup><sup>L</sup>-Halamb c37729_g1_i1m.10286 | OG1 |
        85
                                    Stycar maker-SC scaffold6291-augustus-gene-0.31-mRNA-1 | OG1 |
                                       Spolac_c103268_g1_i1_m.33343c103268-g1 | OG1 |
                                    <sup>1001</sup>-Spolac_c103268_g1_i2_m.33344c103268-g1 | OG1 |
           60
                        Spolac c103268 g2 i3 m.33347c103268-g1 | OG1 |
                           Spolac c103268 g2 i1 m.33345c103268-g1 | OG1 |
                   99
                        <sup>100</sup> Spolac c103268_g2_i2_m.33346c103268-g1 | OG1 |
             91
                               •Spolac_c104614_g3_i1_m.41827c101603-g1 | OG1 |
                       | Spolac_c104614_g2_i7_m.41834c104614-g2
                 93
                        Spolac_c104614_g2_i6_m.41833c104614-g2 | OG1 |
                    99
                           •Spolac_c104614_g2_i3_m.41829c104614-g2 | OG1 |
                             -Spolac_c104614_g2_i4_m.41831c104614-g2 | OG1 |
                                    Emue_Em0137g8a.t1 | OG1 |
                                 <sup>100</sup>-Emue_Em0016g956a.t1 | OG1 |
                                  <sub>!</sub>Spolac_c104614_g2_i1_m.41825c104614-g2 | OG1 |
                                     •Spolac_c104614_g2_i2_m.41828c104614-g2 | OG1 |
                           Eupdun_Edun_sb10647498 | OG1 |
                        <sup>100</sup> Eupdun_Edun_sb10647499 | OG1 |
                             rCoemet_Cmet_scaffold10776_01 | OG1 |
                    100
                           100 Coemet Cmet_scaffold10777_01 | OG1 |
                               •Lampan_Lpan_82_01 | OG1 |
                       93
                                     •Pbac_sb2643373 | OG1 |
                                     Horcal_Hcv1.av93.c6.g360.i2 | OG1 |
                                 100
                                       rHorcal_Hcv1.av93.c6.g360.i1 | OG1 |
                         88
                                         Horcal Hcv1.av93.c6.g360.i3 | OG1 |
                                        87 Horcal Hcv1.av93.c6.g360.i4 | OG1 |
                                                •Bolinf_Binf_sb1307934 | OG1 |
                           93
                                    -Bolinf_Binf_sb1274094 | OG1 |
                                  99 Mertsp_Mesp_sb556378 | OG1 |
                                        Drygla_Dgla_sb291159 | OG1 |
                                        •Bolinf Binf sb1282228 | OG1 |
                                         Mlei_ML1912.g1.i1 | OG1 |
                                        <sup>79</sup> ----•Vmui_sbMO434208 | OG1 |
                                46
                                     •Beraby_Baby_sb347794 | OG1 |
                                         <sub>[</sub>Beraby_Baby_sb347790 | OG1 |
                                       <sup>73</sup> Beraby Baby sb347792 | OG1 |
                                         Beraby_Baby_sb347795 | OG1 |
                                           Beraby Baby sb347791 | OG1 |
                                          <sup>74</sup> Beraby_Baby_sb347793 | OG1 |
                  •Tadh TriadT32827 | OG1 |
               <sup>100</sup> TrH2_TrispH2_008120-RA | OG1 |
                  •HoiH11 mRNA6976 | OG1 |
            100
                      <sub>"</sub>HoiH23_PIH23_004954-RA|OG1|
                    Hhon g05577.t1 | OG1 |
                    <sup>1001</sup>-HoiH04 _mRNA10589 | OG1 |
    67
                  •Plajan_Pjan_C564708_01 | OG1 |
                    <sub>!</sub>Opea_EP00118_Oscarella_pearsei_P007272 | OG1 |
          100
                 <sup>100</sup>  Ocar_g2107 | OG1 |
                    Clacor Ccor scaffold8654 01 | OG1 |
                      -Lcom_lcpid71704 | OG1 |
          100
                  <sup>1001</sup>Lcom_lcpid45375 | OG1 |
               100
                       •Leuniv_Lniv_scaffold22213_01 | OG1 |
                           -Gracom_Gcom_C558496_01 | OG1 |
                         -Scil scict008324.1 | OG1 |
                       •Tcas_TC035010_001 | OG1 |
  70
           96
                       •Dpul_mRNA22225 | OG1 |
                      •Cscu_XM_023381253.1 | OG1 |
                       •Tcas_TC002674_001 | OG1 |
      95
                           •Dpul_mRNA22224 | OG1 |
                     •Skow_XM_006819084.1 | OG1 |
        62
            96
                           Spur_XM_030982117.1 | OG1 |
                             •Hsap_ENST00000392018 | OG1 |
          59
                  100
                                        •Hsap_ENST00000321297 | OG1 |
                      Bralan_BLAG14000584_1 | OG1 |
             56
                          •Acagra_model.g16739.t1 | OG1 |
    92
                             -Cgig_XM_011418727.3 | OG1 |
                                 •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA224280 | OG1 |
                   •Xesp_014078-T1 | OG1 |
                •Dgig_XM_028549821.1 | OG1 |
                     •Morvir_scaffold237.g21.t1 | OG1 |
                        Chem_TCONS_00020132 | OG1 |
            100
                        •Sanmal_Sma_015324-T1 | OG1 |
               99
      100
                                            -Hvul_g700_1 | OG1 |
                  82
                           •Aaur_scaffold672.g1.t1 | OG1 |
                              •Nemnom_g17991.t1 | OG1 |
         93
                          <sup>100</sup> -Rhoesc_Res_007444-T1 | OG1 |
                    •Nvec_v1g90498 | OG1 |
                    Exapal XM 021043544.2 | OG1 |
                  <sup>100]</sup>Exapal_XM_021040816.2 | OG1 |
                       •Gfas_gfas1.m1.9921.m1 | OG1 |
           100
                        -Amil Amillepora24641-RA | OG1 |
                      -Spis XP 022792544 1 | OG1 |
               100
                     <sup>1001</sup>-Pocdam XM_027197964.1 | OG1 |
                         Fspp ffun1.m4.25661.m1 | OG1 |
                      <sup>100</sup><sup>1</sup>-Gasp_gasp1.m3.21782.m1 | OG1 |
```