```
Salurc EP00051 Salpingoeca urceolata P027087 | OG0 |
   63
                     Lcom | lcpid164052 | OG0 |
                                 -Salinf_EP00049_Salpingoeca_infusionum_P017353 | OG0 |
                     •Choper_EP00045_Choanoeca_perplexa_P002447 | OG0 |
             99
                         •Mbre EDQ87256 | OG0 |
                              -Helnan_EP00037_Helgoeca_nana_P013621 | OG1 |
                              •Diagra_EP00040_Diaphanoeca_grandis_P004538 | OG1 |
    75
                     Salmac_EP00052_Salpingoeca_macrocollata_P014259 | OG1 |
                           Salpun_EP00053_Salpingoeca_punica_P002305 | OG1 |
          75
                                       •Mylflu_EP00047_Mylnosiga_fluctuans_P001613 | OG1 |
                     Clacor Ccor scaffold1125_01 | OG1 |
                     •Leuniv_Lniv_C797624_01 | OG1 |
              100
                            •Scil_scict018275.1 | OG1 |
                 100
                        -Lcom_lcpid37911 | OG1 |
                      <sup>991</sup>-Gracom_Gcom_scaffold7676_01 | OG1 |
                                   Opea_EP00118_Oscarella_pearsei_P000277 | OG1 |
                                 •Plajan_Pjan_scaffold16419_01 | OG1 |
                            Stycar_maker-SC_scaffold3766-snap-gene-0.10-mRNA-1 | OG1 |
                  93
                                •Tetwil g7863.t1 | OG1 |
                                      ⊢•Aque_Aqu2.1.39232_001 | OG1 |
                       99
                                   <sup>100</sup>¹•Halamb_c43683_g1_i1m.16494 | OG1 |
                         91
                                 •Emue_Em0008g1028a.t1 | OG1 |
                                Spolac_c41422_g1_i1_m.1149c41422-g1 | OG1 |
                              99 Spolac_c86365_g1_i1_m.3931c86365-g1 | OG1 |
                68
                               Horcal Hcv1.av93.c13.g364.i1 | OG1 |
                            <sup>[100]</sup>Pbac_sb2639074 | OG1 |
           100
                                   Mertsp_Mesp_sb585615 | OG1 |
                                       Bolinf_Binf_sb1273614 | OG1 |
                                 100
                                    <sup>100</sup> Bolinf_Binf_sb1273613 | OG1 |
                                    -Lampan_Lpan_C407829_01 | OG1 |
                         100
                                       Vmul SimC395504 | OG1 |
                                         Coemet Cmet C589785 01 | OG1 |
                                            Coeast Cast sb760498 | OG1 |
                                         <sup>1001</sup>-Coeast_Cast_sb760499 | OG1 |
                            75
                                    •Drygla_Dgla_sb293237 | OG1 |
                                     Drygla Dgla sb284813 | OG1 |
                                       Mertsp Mesp sb538049 | OG1 |
                                         Bolinf_Binf_sb1208209 | OG1 |
                                       <sup>38</sup> Beraby_Baby_sb341490 | OG1 |
                              96
                                     <sub>[</sub>Mlei_ML0404.g21.i1 | OG1 |
                                   <sup>75</sup> Vmul sbMO428332 | OG1 |
                                     Bolinf_Binf_sb1222916 | OG1 |
                                       Mertsp_Mesp_sb550361 | OG1 |
                                     99<sup>1</sup>-Bolinf_Binf_sb1222917 | OG1 |
                           Hsap_ENST00000467789 | OG1 |
                           Skow XM 002737959.2 | OG1 |
                            •Bralan_BLAG11000118_1 | OG1 |
                              •Spur_XM_030986658.1 | OG1 |
                  86
                          •Cscu XM 023385911.1 | OG1 |
                                   •Dpul mRNA21952 | OG1 |
                                  •Tcas_TC004293_001 | OG1 |
                               Acagra_model.g29833.t1 | OG1 |
                                 Cgig_XM_011453979.3 | OG1 |
                         30
                                Lcom | lcpid196088 | OG1 |
                                  r-Lcom | lcpid255837 | OG1 |
                               <sup>100</sup><sup>1</sup>-Clacor_Ccor_C519545_01 | OG1 |
                67
                                <sub>*</sub>TrH2_TrispH2_009443-RA|OG1|
                             <sup>881</sup>Tadh_TriadT57750 | OG1 |
                           100
                                •HoiH11 mRNA2051 | OG1 |
                                  <sub>r</sub>HoiH23 PIH23 006374-RA | OG1 |
                                     -HoiH06 mRNA11360 | OG1 |
                                        <sub>[</sub>Hhon_g01722.t1 | OG1 |
                                     <sup>100</sup> HoiH04_mRNA15362 | OG1 |
                  45
                            •Morvir_scaffold17.g125.t1 | OG1 |
                                 •Chem TCONS 00014862 | OG1 |
                        100
                             100
                                   Hvul g13759 1 | OG1 |
                                  Sanmal Sma 020326-T1 | OG1 |
                           95
                                   <sub>-</sub>Nemnom_g6235.t1 | OG1 |
                             100
                    93
                                <sup>1001</sup>•Rhoesc Res_010310-T1|OG1|
                              •Dgig XM 028538402.1 | OG1 |
                               -Exapal_XM_021048690.2 | OG1 |
                            <sup>100</sup>-Nvec_v1g243762 | OG1 |
                                  Amil_Amillepora19361-RA | OG1 |
                         100
                               <sup>100</sup> Adig XM _015900760.1 | OG1 |
                                 •Spis XP 022789851 1 | OG1 |
                                  Pocdam_XM_027188502.1 | OG1 |
                                     <sub>-</sub>-Gfas_gfas1.m1.1481.m1 | OG1 |
                                      Gasp_gasp1.m3.1316.m1 | OG1 |
                                     <sup>80</sup> Fspp ffun1.m4.28410.m1 | OG1 |
0.416667
```