```
Codhol EP00042 Codosiga hollandica P055660 | OG0 |
        100
                                •Codhol_EP00042_Codosiga_hollandica_P025090 | OG0 |
                            Salinf_EP00049_Salpingoeca_infusionum_P027039 | OG0 |
                   Microa_EP00043_Microstomoeca_roanoka_P015015 | OG0 |
         100
              100
                        Sros EGD74180 | OG0 |
       92
                    Lcom Icpid55396 | OG0 |
100
                     •Mbre EDQ89036 | OG0 |
         74
                     Choper_EP00045_Choanoeca_perplexa_P007380 | OG0 |
            100
               100
                         •Chofle_EP00730_Choanoeca_flexa_P001247 | OG0 |
                  Didcos EP00039 Didymoeca costata P032847 | OG0 |
   38
                         Diagra EP00040 Diaphanoeca grandis P004508 | OG0 |
        100
                       Stedip_EP00041_Stephanoeca_diplocostata_P028721 | OG0 |
                    Gtedip EP00041 Stephanoeca_diplocostata_P028722 | OG0 |
           97
                             Acaspe EP00035 Acanthoeca spectabilis P022378 | OG0 |
             100
                            •Helnan EP00037 Helgoeca nana P014622 | OG0 |
                   100
                                    •Acaspe_EP00035_Acanthoeca_spectabilis_P021912 | OG0 |
     34
                            100
                                   Helnan EP00037 Helgoeca nana P014966 | OG0 |
                     •Mylflu_EP00047_Mylnosiga_fluctuans_P002208 | OG0 |
                     Salmac EP00052 Salpingoeca macrocollata P012451 | OG0 |
            00
                            Salpun EP00053 Salpingoeca punica P014923 | OG0 |
                           Saldol_EP00054_Salpingoeca_dolichothecata_P008734 | OG0 |
       36
                                      -Saldol_EP00054_Salpingoeca_dolichothecata_P027421 | OG0 |
                100
                                 100<sup>1</sup>-Saldol_EP00054_Salpingoeca_dolichothecata_P027422 | OG0 |
                             Salkve EP00050 Salpingoeca kvevrii P006316 | OG0 |
                        Salurc EP00051 Salpingoeca urceolata P015114 | OG0 |
                        Lcom lcpid198616 | OG0 |
                 •Tetwil_g5784.t2 | OG1 |
           100
                   Stycar maker-SC scaffold5581-snap-gene-0.5-mRNA-1 | OG1 |
                  •Emue Em0016g65a.t1 | OG1 |
         93
                   Spolac c103081 g3 i1 m.32351c103081-g3 | OG1 |
              100
                      <sub>|</sub>-Spolac_c103081_g3_i2_m.32353c103081-g3 | OG1 |
      100
                      -Spolac_c103081_g3_i3_m.32354c103081-g3 | OG1 |
                 -Xestes_maker-XT_scaffold3041-augustus-gene-0.25-mRNA-1 | OG1 |
                   <sub>s</sub>Halamb_c2332_g1_i2m.356 | OG1 |
            100
                 <sup>991</sup>Halamb_c58128_g1_i1m.44845 | OG1 |
                      •Aque_Aqu2.1.37261_001 | OG1 |
               99
                        Xestes_maker-XT_scaffold3231-snap-gene-0.320-mRNA-1 | OG1 |
                         •Halamb_c5685_g1_i1m.914 | OG1 |
                           •Halamb c47162 g1 i3mm.2183 | OG1 |
                            Halamb c65319 g1 i1m.46224 | OG1 |
                          <sup>100</sup>•Halamb_c32710_g2_i2m.7258 | OG1 |
                         Vmul_Simscaffold12128_01 | OG1 |
                          •Coemet_Cmet_scaffold13530_01 | OG1 |
                    100
                             <sub>[</sub>Coeast_Cast_sb768778 | OG1 |
                          <sup>1001</sup>•Coeast_Cast_sb768779 | OG1 |
                                  Horcal_Hcv1.av93.c6.g779.i2 | OG1 |
                 100
                                60 Horcal_Hcv1.av93.c6.g779.i1 | OG1 |
                                  Pbac_sb2649269 | OG1 |
100
                                <sup>981</sup>-Pbac sb2663091 | OG1 |
                   81
                          •Mlei_ML0651.g6.i1 | OG1 |
                            -Lampan_Lpan_C416005_01 | OG1 |
                                 •Beraby_Baby_sb337872 | OG1 |
                      99
                                   •Mlei_ML5051.g5.i1 | OG1 |
                             99
                                     Drygla Dgla sb286389 | OG1 |
                                    Mertsp Mesp sb576257 | OG1 |
                          100
                                  65 Mertsp Mesp sb576255 | OG1 |
                                    Bolinf_Binf_sb1213530 | OG1 |
                                  98 Mertsp Mesp sb576258 | OG1 |
                             100
                                  Mertsp Mesp sb576252 | OG1 |
                                    Bolinf Binf sb1213528 | OG1 |
                                      Mertsp_Mesp_sb576254 | OG1 |
                                         <sub>'</sub>Bolinf_Binf_sb1213529 | OG1 |
                                          Mertsp_Mesp_sb576253 | OG1 |
                                             Mertsp_Mesp_sb576256 | OG1 |
  42
                                              Bolinf Binf sb1213531 | OG1 |
                                             99 Mertsp Mesp sb576259 | OG1 |
                  -Plajan_Pjan_scaffold23519_01 | OG1 |
               <sup>100</sup>•Plajan_Pjan_scaffold23520_01 | OG1 |
          100
                  Ocar g9363 | OG1 |
                    Popea EP00118 Oscarella pearsei P025105 | OG1 |
                  <sup>59</sup> Ocar_g10273 | OG1 |
       100
                  ·Clacor_Ccor_C536283_01 | OG1 |
                   100
                       <sub>!</sub>Lcom_lcpid137574 | OG1 |
              100
                     981<mark>-</mark>Lcom | lcpid130969 | OG1 |
                        Leuniv Lniv C814496 01 | OG1 |
                                  -Scil_scict004257.1 | OG1 |
                           Lcom_lcpid229054 | OG1 |
                        <sup>81</sup> Lcom_lcpid110663 | OG1 |
                    •Hvul g10045 1 | OG1 |
                      Morvir_scaffold5.g39.t1 | OG1 |
            99
                               •Morvir_scaffold46.g33.t1 | OG1 |
              98
                      •Nemnom_g16454.t1 | OG1 |
     90
                   100<sup>1</sup>-Rhoesc Res_000251-T1 | OG1 |
         95
                                 Exapal XM 028663561.1 | OG1 |
                        Dgig_XM_028551930.1 | OG1 |
                  100
                         •Xesp_007818-T1 | OG1 |
           90
                         •Exapal_XM_028660768.1 | OG1 |
                        •Nvec_v1g98056 | OG1 |
             82
                         •Exapal XM 021047797.2 | OG1 |
                                   •Nvec_v1g98151 | OG1 |
                            •Spis_XP_022790557_1 | OG1 |
               83
                         <sup>100</sup> Pocdam_XM_027186884.1 | OG1 |
                            Gasp_gasp1.m3.2176.m1 | OG1 |
                             Fspp ffun1.m4.12012.m1 | OG1 |
       86
                          Gfas_gfas1.m1.17047.m1 | OG1 |
                             •Adig_XM_015900782.1 | OG1 |
                                -Amil_Amillepora00537-RA | OG1 |
                            <sup>1001</sup>-Amil_Amillepora00572-RA | OG1 |
                      TrH2 TrispH2 002664-RA | OG1 |
                   <sup>100</sup><sup>1</sup>Tadh_TriadT20443 | OG1 |
                      •HoiH11_mRNA4204 | OG1 |
                100
                          <sub>!</sub>HoiH23_PIH23_002522-RA | OG1 |
                       <sup>100</sup> HoiH06 mRNA9465 | OG1 |
                          Hhon g01571.t1 | OG1 |
         86
                        <sup>100</sup> HoiH04 _mRNA2601 | OG1 |
                 Skow XM 006822213.1 | OG1 |
                               -Hsap_ENST00000370008 | OG1 |
                      Hsap ENST00000373302 | OG1 |
           67
                            •Hsap ENST00000441779|OG1|
                         •Bralan_BLAG08001419_1 | OG1 |
             63
                          •Spur_NM_214669.1 | OG1 |
                        Skow XM 006816804.1 | OG1 |
                             Ctel gnl WGS AMQN CAPTEDRAFT mRNA150412 | OG1 |
                               ·Cgig XM 034444644.1 | OG1 |
                  100
                               -Lcom_lcpid230135 | OG1 |
                                 Acagra_model.g25028.t1 | OG1 |
                              <sup>100</sup>-Acagra_model.g27267.t1 | OG1 |
                               Cscu_XM_023356500.1 | OG1 |
                                 Cscu XM 023360245.1 | OG1 |
                                ·Tcas_TC011120_001 | OG1 |
                                 -Dpul_mRNA22906 | OG1 |
                              <sup>1001</sup>Dpul_mRNA22976 | OG1 |
```