```
Saldol EP00054 Salpingoeca dolichothecata_P003821 | OG1 |
   61
                      •Exapal_XM_021059885.1 | OG1 |
                     Saldol EP00054 Salpingoeca dolichothecata P035028 | OG2 |
                          Salurc EP00051 Salpingoeca urceolata P003309 | OG2 |
      53
                            Diagra EP00040 Diaphanoeca_grandis_P017135 | OG2 |
        82
                               Acaspe EP00035 Acanthoeca spectabilis P023757 | OG2 |
 58
              100
                              •Helnan_EP00037_Helgoeca_nana_P036993 | OG2 |
                  100
                             Stedip EP00041 Stephanoeca diplocostata P039298 | OG2 |
                                Stedip EP00041 Stephanoeca_diplocostata_P039299 | OG2 |
                         Codhol EP00042 Codosiga hollandica P021250 | OG2 |
    78
                      1001 Codhol EP00042 Codosiga hollandica P021251 | OG2 |
                                   Salinf_EP00049_Salpingoeca_infusionum_P014686 | OG2 |
        73
                                 •Microa EP00043 Microstomoeca roanoka P017855 | OG2 |
                  98
                                 Sros_EGD78276 | OG2 |
             100
                                      •Mbre EDQ87842 | OG2 |
                                      •Chofle EP00730 Choanoeca flexa P000866 | OG2 |
                   100
      58
                          100
                                      Choper EP00045 Choanoeca perplexa P009128 | OG2 |
                              Salmac EP00052 Salpingoeca macrocollata P032636 | OG2 |
                 100
                            ·Salpun_EP00053_Salpingoeca_punica_P002220 | OG2 |
                         Mylflu EP00047 Mylnosiga fluctuans P019183 | OG2 |
                           Salmac EP00052 Salpingoeca macrocollata P033658 | OG2 |
        43
                99
                            Salpun_EP00053_Salpingoeca_punica_P013882 | OG2 |
                          Salkve EP00050 Salpingoeca kvevrii P022080 | OG2 |
          58
                        <sup>821</sup>Salkve EP00050 Salpingoeca kvevrii P022083 | OG2 |
                              Salkve_EP00050_Salpingoeca_kvevrii_P022084 | OG2 |
                     100
                             Salkve EP00050 Salpingoeca kvevrii P022081 | OG2
                          <sup>100]</sup>Salkve_EP00050_Salpingoeca_kvevrii_P022082 | OG2 |
                            Opea EP00118 Oscarella pearsei P016729 | OG0 |
                             →Opea EP00118 Oscarella_pearsei_P016727 | OG0 |
                         ·Opea_EP00118_Oscarella_pearsei_P016730 | OG0 |
                            Leuniv Lniv scaffold68 01 | OG0 |
       82
                               •Gracom Gcom C518770 01 | OG0 |
              100
                                 •Leuniv_Lniv_C796050_01 | OG0 |
                       100
                                      •Gracom_Gcom_scaffold17668_01 | OG0 |
                   98
                         Lcom Icpid23777 | OG0 |
                             Lcom lcpid32347 | OG0 |
                      100
     68
                             Lcom | lcpid82689 | OG0 |
                           87 Lcom_lcpid26352 | OG0 |
                                     •Vmul_sbMO453886 | OG0 |
                                   Coemet Cmet scaffold997_01 | OG0 |
                      100
                                    Vmul sbMO455943 | OG0 |
                            •Lampan Lpan 2607 01 | OG0 |
                100
                                     Horcal Hcv1.av93.c1.g1688.i1 | OG0 |
                                        •Pbac_sb2658604 | OG0 |
                    98
                                     <sup>100</sup>1-Pbac_sb2658250 | OG0 |
                                 Drygla Dgla sb278025 | OG0 |
                      96
                                    •Mlei_ML0052.g1.i1 | OG0 |
                              Bolinf Binf sb1226018 | OG0 |
                                -Bolinf_Binf_sb1226020 | OG0 |
                             98 Mertsp Mesp_sb582036 | OG0 |
               •Plespi Pspi scaffold20253 01 | OG0 |
                 Plespi_Pspi_C599736_01 | OG0 |
     65
                          Xestes_augustus_masked-XT_scaffold4330-processed-gene-0.7-mRNA-1 | OG0 |
                             •Aque_Aqu2.1.44219_001 | OG0 |
       56
                 100
                           •Halamb_c46628_g1_i1mm.2009 | OG0 |
         90
                  Stycar maker-SC scaffold54438-augustus-gene-0.4-mRNA-1 | OG0 |
                      •Tetwil g8764.t1 | OG0 |
                       •Spolac c42865 g1 i1 m.1232c42865-g1 | OG0 |
                         Emue_Em0018g339a.t1 | OG0 |
                             •Emue_Em0018g336a.t1 | OG0 |
   69
              •Plajan Pjan C559411 01 | OG0 |
                               •Cscu_XM_023377357.1 | OG0 |
                            <sub>「</sub>•TrH2_TrispH2_000196-RA | OG0 |
         48
                   <sup>100</sup> Tadh TriadT18537 | OG0 |
                      •HoiH11_mRNA4218 | OG0 |
                100
                            HoiH23 PIH23 000756-RA | OG0 |
     45
                   100
                         <sup>100</sup> HoiH06_mRNA11711 | OG0 |
                            •Hhon_g04488.t1 | OG0 |
                      100
                                Hhon g04487.t1 | OG0 |
                         100
                              <sup>601</sup>Hhon g04489.t1 | OG0 |
                                HoiH04 mRNA15451 | OG0 |
                              <sup>87</sup> HoiH04 mRNA6980 | OG0 |
       57
                     Bralan_BLAG07001397_1 | OG0 |
                    Hsap ENST00000262127 | OG0 |
                       •Spur_XM_775003.5 | OG0 |
           99
               100
                     Skow XM 002735411.2 | OG0 |
             66
                       Ctel gnl WGS AMQN CAPTEDRAFT mRNA130762 | OG0 |
                        Acagra model.g30367.t1 model.g30368.t1 | OG0 |
                         •Cgig_XM_034443179.1 | OG0 |
                        •Morvir scaffold422.g16.t1 | OG0 |
         93
                            •Hvul g30975 1 | OG0 |
             100
                   100
                          Chem TCONS 00062475 | OG0 |
                96
                          Sanmal_Sma_025296-T1 | OG0 |
                          Aaur scaffold743.g1.t1 | OG0 |
                  100
                             •Nemnom_g15988.t1 | OG0 |
           96
                             •Rhoesc Res 010823-T1 | OG0 |
                       •Dgig XM 028554111.1 | OG0 |
                        •Xesp_005319-T1 | OG0 |
                      Exapal XM_021038443.2 | OG0 |
             96
                 99
                      •Nvec v1g219939 | OG0 |
                      Gfas_gfas1.m1.14332.m1 | OG0 |
               97
                         Amil Amillepora10722-RA | OG0 |
                  100
                       <sup>100</sup> -Adig_XM_015917887.1 | OG0 |
                             -Spis_XP_022796845_1 | OG0 |
                          <sup>100</sup> Pocdam XM 027182913.1 | OG0 |
                            Gasp_gasp1.m3.7942.m1 | OG0 |
                          <sup>99</sup>-Fspp_ffun1.m4.5673.m1 | OG0 |
0.416667
```