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    Salmac EP00052 Salpingoeca macrocollata P017617 | OG0 |

       99
              Salpun_EP00053_Salpingoeca_punica_P009351 | OG0 |
                        Salkve EP00050 Salpingoeca kvevrii P015992 | OG0 |
                      Saldol_EP00054_Salpingoeca_dolichothecata_P021884 | OG0 |
      69
                 | Saldol EP00054 Salpingoeca_dolichothecata_P021882 | OG0
                    Didcos EP00039 Didymoeca costata P009486 | OG0 |
 76
                       Diagra_EP00040_Diaphanoeca_grandis_P014147 | OG0 |
                         Stedip EP00041 Stephanoeca diplocostata P036966 | OG0 |
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                          •Acaspe_EP00035_Acanthoeca_spectabilis_P022962 | OG0 |
                              Helnan_EP00037_Helgoeca_nana P033696 | OG0 |
   51
                     Codhol EP00042 Codosiga hollandica P046518 | OG0 |
       63
                          •Mylflu_EP00047_Mylnosiga_fluctuans_P014131 | OG0 |
                         Salinf EP00049 Salpingoeca infusionum P006546 | OG0 |
                                      •Microa_EP00043_Microstomoeca_roanoka_P008383 | OG0 |
           98
                             Sros_EGD79259 | OG0 |
         99
                                      -Mbre EDQ93069 | OG0 |
                                -Choper_EP00045_Choanoeca_perplexa_P002431 | OG0 |
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                                     •Chofle EP00730 Choanoeca flexa P008932 | OG0 |
                          100
                                                   •Chofle EP00730 Choanoeca flexa P008933 | OG0 |
              Salurc EP00051 Salpingoeca urceolata P035766 | OG0 |
                            •Plajan Pjan C562580 01 | OG0 |
                           Opea_EP00118_Oscarella_pearsei_P025865 | OG0 |
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                                   •Ocar_g9458 | OG0 |
                                               -Lampan_Lpan_15594_01 | OG0 |
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                                                   Coemet_Cmet_scaffold17212_01 | OG0 |
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                                                       •Pbac_sb2667447 | OG0 |
                                                 Drygla_Dgla_sb295256 | OG0 |
                                                •Mlei ML0776.g4.i1 | OG0 |
                                             •Clacor_Ccor_scaffold10602_01 | OG0 |
                                            •Lcom_lcpid100221 | OG0 |
                                 100
                                               •Leuniv Lniv scaffold25272 01 | OG0 |
                                        99
                                                  Gracom_Gcom_C550594_01 | OG0 |
                                                -Scil_scict015960.1 | OG0 |
                                    •Plespi_Pspi_scaffold16119_01 | OG0 |
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                                     •Tetwil g21308.t1 | OG0 |
                                  <sup>100</sup> Tetwil_g16779.t1 | OG0 |
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                                 Stycar_augustus_masked-SC_scaffold30449-processed-gene-0.1-mRNA-1 | OG0 |
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                                           •Aque_Aqu2.1.43817_001 | OG0 |
                             80
                                           •Halamb_c50331_g1_i1m.28095 | OG0 |
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                                     •Tetwil g16777.t1 | OG0 |
                                     -Emue_Em0021g542a.t1 | OG0 |
                                      Spolac_c103113_g2_i3_m.32535c103113-g2 | OG0 |
                                        <sub>I</sub>-Spolac_c103113_g2_i1_m.32531c103113-g2 | OG0 |
                                      83 |Spolac_c103113_g2_i2_m.32533c103113-g2 | OG0 |
                                TrH2 TrispH2 008111-RA | OG0 |
                             <sup>100</sup><sup>1</sup> -Tadh_TriadT32839 | OG0 |
                                •HoiH11 mRNA5045 | OG0 |
                           100
                                    -HoiH23 PIH23 004944-RA | OG0 |
                                  <sup>96</sup>□•HoiH06 mRNA9072 | OG0 |
                                    Hhon g05566.t1 | OG0 |
                                  100 HoiH04 mRNA15918 | OG0 |
                               •Spur XM 793624.5 | OG0 |
                               •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA228062 | OG0 |
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                               Cgig_XM_011449221.3 | OG0 |
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                           Bralan_BLAG14000242_1 | OG0 |
                              Skow_XM_006817952.1 | OG0 |
                                  •Hsap_ENST00000489671 | OG0 |
                                     •Hsap_ENST00000310125 | OG0 |
                         100
                              100<sup>1</sup>•Hsap ENST00000375370 | OG0 |
                      36
                                   •Cscu XM 023354319.1 | OG0 |
                                       •Dpul_mRNA28524 | OG0 |
                                             ---Tcas_TC010400_001 | OG0 |
                                     •Hvul_g14901_1 | OG0 |
                                     -Chem_TCONS_00072622 | OG0 |
                                •Morvir_scaffold9.g17.t1 | OG0 |
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                                  -Nemnom_g17907.t1 | OG0 |
                         99
                               100 Rhoesc Res 007940-T1 | OG0 |
                                      Sanmal Sma 015250-T1 | OG0 |
                                       -Aaur scaffold240.g2.t1 | OG0 |
                              -Dgig_XM_028549811.1 | OG0 |
                                 -Xesp 014272-T1 | OG0 |
                            Exapal XM 021052454.2 | OG0 |
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                      97
                             Fspp ffun1.m4.1560.m1 | OG0 |
                        100
                                  -Spis_XP_022779116_1 | OG0 |
                               <sup>100</sup>1-Pocdam_XM_027191872.1 | OG0 |
                                 Gfas gfas1.m1.14543.m1 | OG0 |
                                    Adig_XM_015898164.1 | OG0 |
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0.416667
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