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·Salurc_EP00051_Salpingoeca_urceolata_P013142 | OG0 |
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                          1001-Codhol_EP00042_Codosiga_hollandica_P056008 | OG0 |
                             Didcos_EP00039_Didymoeca_costata_P018506 | OG0 |
                          Diagra EP00040 Diaphanoeca grandis P021635 | OG0 |
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                             Stedip EP00041 Stephanoeca diplocostata P024782 | OG0 |
            100
                                           •Acaspe_EP00035_Acanthoeca_spectabilis_P039013 | OG0 |
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                                         -Helnan EP00037 Helgoeca nana P033446 | OG0 |
                      Salpun EP00053 Salpingoeca punica P007523 | OG0 |
                               •Mylflu_EP00047_Mylnosiga_fluctuans_P008857 | OG0 |
                                 Salkve EP00050 Salpingoeca kvevrii P009516 | OG0 |
                              <sup>100</sup> Salkve_EP00050_Salpingoeca_kvevrii_P009517 | OG0 |
                                   •Mbre_EDQ88629 | OG0 |
   76
                              Chofle EP00730 Choanoeca flexa P004903 | OG0 |
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                             <sup>100</sup> Chofle EP00730_Choanoeca_flexa_P004900 | OG0 |
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                                        Salinf_EP00049_Salpingoeca_infusionum_P008858 | OG0 |
                              •Sros_EGD78837 | OG0 |
             100
                              Microa EP00043 Microstomoeca roanoka P001176 | OG0 |
                                 Microa EP00043 Microstomoeca roanoka P001178 | OG0 |

    Saldol EP00054 Salpingoeca dolichothecata P023181 | OG3 |

                           Salmac_EP00052_Salpingoeca_macrocollata_P031506 | OG1 |
         49
                                         Saldol_EP00054_Salpingoeca_dolichothecata_P023180 | OG1 |
                              ·Salmac_EP00052_Salpingoeca_macrocollata_P013099 | OG2 |
                  99
                                        •Salpun_EP00053_Salpingoeca_punica_P002655 | OG2 |
                          Plajan Pjan scaffold21938 01 | OG2 |
                       <sup>100</sup>-Plajan_Pjan_scaffold21939_01 | OG2 |
   19
               100
                           Opea_EP00118_Oscarella_pearsei_P005335 | OG2 |
                               Ocar g10946 | OG2 |
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                                    Ocar g5078 | OG2 |
                            •Clacor_Ccor_scaffold14917_01 | OG2 |
     35
                              •Lcom_lcpid39107 | OG2 |
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                                 •Gracom Gcom scaffold18518 01 | OG2 |
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                                 -Scil_scict011414.1 | OG2 |
                                Leuniv_Lniv_scaffold18857_01 | OG2 |
                             <sup>1001</sup>•Leuniv Lniv_scaffold18858_01 | OG2 |
             98
                            Plespi_Pspi_scaffold3894_01 | OG2 |
                              Plespi_Pspi_scaffold3892_01 | OG2 |
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                            98 Plespi Pspi scaffold3893 01 | OG2 |
                               Xestes maker-XT scaffold13283-snap-gene-0.16-mRNA-1 | OG2 |
                                  •Aque Aqu2.1.38355 001 | OG2 |
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                          100
                                   Halamb_c37119_g1_i1mm.479 | OG2 |
                                <sup>1001</sup>Halamb_c43019_g1_i1mm.1208 | OG2 |
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                                  Stycar_maker-SC_scaffold20889-snap-gene-0.4-mRNA-1 | OG2 |
                                •Tetwil_g25732.t1 | OG2 |
                                 Emue Em0246g3a.t1 | OG2 |
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                              <sup>100</sup> Emue_Em0019g915a.t1 | OG2 |
                                    Emue_Em0019g916a.t1 | OG2 |
                           100
                                 <sup>100</sup>Lmue_Em0246g4a.t1 | OG2 |
          97
                                    Spolac_c103460_g4_i3_m.34372c103460-g4 | OG2 |
                                      <sub>s</sub>Spolac_c103460_g4_i1_m.34369c103460-g4 | OG2 |
                                    84<sup>L</sup>-Spolac_c103460_g4_i4_m.34373c103460-g4 | OG2 |
                             •Tadh_TriadT61221 | OG2 |
                                 •HoiH11_mRNA8186 | OG2 |
                         100
                                   <sub>[</sub>•HoiH23 PIH23 005457-RA | OG2 |
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                                 <sup>93</sup>-HoiH06 mRNA14233 | OG2 |
                                    Hhon g08026.t1 | OG2 |
                                 <sup>100</sup> HoiH04_mRNA13186 | OG2 |
                              •Morvir scaffold7.g17.t1 | OG2 |
                                 •Hvul_g25813_1 | OG2 |
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                                   •Chem TCONS 00027410 | OG2 |
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                               •Sanmal Sma 026593-T1 | OG2 |
                                •Nemnom_g17283.t1 | OG2 |
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                                 •Xesp 000970-T1 | OG2 |
                                •Exapal_XM_021046167.1 | OG2 |
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                              <sup>100</sup> Nvec_v1g134867 | OG2 |
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                                       •Spis_XP_022777591_1 | OG2 |
                                   <sup>100</sup>1-Pocdam_XM_027187170.1 | OG2 |
                                   Gfas_gfas1.m1.16717.m1 | OG2 |
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                                     Adig XM 015923680.1 | OG2 |
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                                    <sup>100</sup> Amil_Amillepora16579-RA | OG2 |
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                                  Hsap_ENST00000261973 | OG2 |
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                                        •Spur_XM_030998687.1 | OG2 |
                                           •Cscu_XM_023375646.1 | OG2 |
                        31
                                             •Dpul_mRNA22662 | OG2 |
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                                             •Lcom_lcpid214261 | OG2 |
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                                                  •Lcom_lcpid98753 | OG2 |
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                                               <sup>51</sup> Eupdun_Edun_sb10667958 | OG2 |
                                                 <sub>5</sub>Eupdun_Edun_sb10667961 | OG2 |
                                               <sup>91</sup> Eupdun_Edun_sb10667962 | OG2 |
                                           •Lampan_Lpan_4632_01 | OG2 |
                                               •Coeast_Cast_sb800476 | OG2 |
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                                                 Coemet_Cmet_scaffold7903_01 | OG2 |
                                                 1 Coemet_Cmet_scaffold7906 01 | OG2 |
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                                                   Vmul_Simscaffold8362_01 | OG2 |
                                             <sup>1001</sup>Vmul_sbMO452944 | OG2 |
                                                Coemet_Cmet_scaffold7904_01 | OG2 |
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                                               <sup>991</sup>-Coeast_Cast_sb779168 | OG2 |
                                           Mertsp_Mesp_sb521658 | OG2 |
                                              Bolinf_Binf_sb1220645 | OG2 |
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                                           •Drygla_Dgla_sb296558 | OG2 |
                                                 Pbac_sb2656966 | OG2 |
                                                   Pbac sb2656967 | OG2 |
                                                 <sup>99]</sup>·Horcal_Hcv1.av93.c7.g754.i1 | OG2 |
                                                   Beraby_Baby_sb333340 | OG2 |
                                        73
                                                       •Drygla_Dgla_sb284160 | OG2 |
                                                    Beraby_Baby_sb333251 | OG2 |
                                                      Beraby_Baby_sb333249 | OG2 |
                                                    <sup>70</sup> Beraby_Baby_sb333250 | OG2 |
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                                                    Mlei_ML0073.g3.i1 | OG2 |
                                               97
                                                 <sup>100</sup> Vmul sbMO430871 | OG2 |
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                                                      <sup>50</sup>-Bolinf Binf sb1260522 | OG2 |
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                                                          Mertsp Mesp sb569598 | OG2 |
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