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•Codhol_EP00042_Codosiga_hollandica_P057591 | OG0 |
                       Codhol_EP00042_Codosiga_hollandica_P057584 | OG0 |
                    <sup>561</sup>Codhol EP00042 Codosiga hollandica P057586 | OG0 |
               100
                    Codhol EP00042 Codosiga hollandica P057588 | OG0 |
                      Codhol EP00042 Codosiga hollandica P057578 | OG0 |
                             Codhol EP00042 Codosiga hollandica P057587 | OG0 |
                          Godhol EP00042_Codosiga_hollandica_P057590 | OG0 |
        Saldol EP00054 Salpingoeca dolichothecata P033333 | OG0 |
                              Salinf_EP00049_Salpingoeca_infusionum_P025518 | OG0 |
                        Microa EP00043 Microstomoeca roanoka P025484 | OG0 |
           100
                            •Sros EGD75360 | OG0 |
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                            •Microa_EP00043_Microstomoeca_roanoka_P025485 | OG0 |
      100
                      •Mbre EDQ91160 | OG0 |
                     Chofle EP00730 Choanoeca flexa P001587 | OG0 |
               100
  48
                       Chofle EP00730 Choanoeca flexa P001588 | OG0 |
                   •Salkve_EP00050_Salpingoeca_kvevrii_P007909 | OG0 |
                  •Mylflu EP00047 Mylnosiga fluctuans P004981 | OG0 |
    38
               Salurc EP00051 Salpingoeca urceolata P030036 | OG0 |
      42

    Salmac EP00052 Salpingoeca macrocollata P009140 | OG0 |

                          Salpun EP00053 Salpingoeca_punica_P009316 | OG0 |
        35
                          Lcom_lcpid156166 | OG0 |
                              Lcom | lcpid213395 | OG0 |
                    Didcos EP00039 Didymoeca costata P019859 | OG0 |
                          Diagra EP00040 Diaphanoeca grandis P039643 | OG0 |
                       Stedip EP00041 Stephanoeca diplocostata P031567 | OG0 |
                                 •Acaspe_EP00035_Acanthoeca_spectabilis_P009938 | OG0 |
                                  -Acaspe EP00035 Acanthoeca spectabilis P009945 | OG0 |
                               <sup>96</sup> Helnan_EP00037_Helgoeca_nana_P032867 | OG0 |
                     Lcom | lcpid192033 | OG1 |
            •HoiH11 mRNA886 | OG1 |
               TrH2 TrispH2 004522-RA | OG1 |
  73
                Tadh TriadT27810 | OG1 |
        99
              •HoiH23_PIH23_005980-RA | OG1 |
               •HoiH06 mRNA11299 | OG1 |
               •Hhon g11341.t1 | OG1 |
38
            <sup>100</sup> HoiH04 mRNA1574 | OG1 |
                 Eupdun Edun sb10623806 | OG1 |
                        <sub>f</sub>Horcal_Hcv1.av93.c8.g457.i1 | OG1 |
                     <sup>100</sup><sup>1</sup>-Pbac_sb2638124 | OG1 |
            100
                          Lampan Lpan 14613 01 | OG1 |
                               Vmul Simscaffold12327 01 | OG1 |
                    98
                              •Coemet Cmet C602449 01 | OG1 |
                       100
                99
                                Coeast Cast sb780986 | OG1 |
                           100
                              961 Coeast Cast sb780987 | OG1 |
                            Drygla_Dgla_sb296038 | OG1 |
                          <sup>100</sup> Drygla Dgla_sb296037 | OG1 |
                            Beraby Baby sb334219 | OG1 |
                       68
                            Beraby_Baby_sb334220 | OG1 |
                              Beraby_Baby_sb334218 | OG1 |
                             <sup>1</sup>•Beraby_Baby_sb334221 | OG1 |
                             Bolinf Binf sb1228793 | OG1 |
                    68
                           <sup>70</sup>Bolinf Binf sb1228794 | OG1 |
                             Bolinf_Binf_sb1228796 | OG1 |
                               Bolinf Binf sb1228795 | OG1 |
                                 Mertsp_Mesp_sb573778 | OG1 |
                                  Mertsp Mesp sb573777 | OG1 |
                       84
                                 1 Mertsp Mesp sb573779 | OG1 |
                             Mlei_ML1337.g1.i1 | OG1 |
                           <sup>98</sup> Vmul_sbMO372871 | OG1 |
                             Mertsp Mesp sb574456 | OG1 |
                               Bolinf Binf sb1237149 | OG1 |
                                 Bolinf_Binf_sb1237148 | UG1 |
                                  _Bolinf_Binf_sb1237150 | OG1 |
                                 <sup>45</sup> Mertsp_Mesp_sb574457 | OG1 |
       •Plajan_Pjan_C551369_01 | OG2 |
       Opea EP00118 Oscarella pearsei P007164 | OG2 |
    100 Ocar_g1824 | OG2 |
            -Xestes_augustus_masked-XT_scaffold6215-processed-gene-0.28-mRNA-1 | OG2 |
                -Aque_Aqu2.1.38190_001 | OG2 |
            <sup>100</sup><sup>L</sup>-Halamb_c49366_g1_i1m.26014 | OG2 |
               •Tetwil_g19904.t1 | OG2 |
      100
               Stycar maker-SC scaffold4129-snap-gene-0.24-mRNA-1 | OG2 |
86
                •Emue_Em0012g383a.t1 | OG2 |
                  <sub>s</sub>Spolac_c103965_g1_i1_m.37303c103965-g1 | OG2 |
                <sup>1</sup>00<sup>1</sup>-Spolac_c103965_g1_i2_m.37306c103965-g1 | OG2 |
                •Hvul_g8555_1 | OG2 |
                 •Clacor_Ccor_scaffold13858_01 | OG2 |
                         •Lcom_lcpid99765 | OG2 |
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  55
                            •Gracom Gcom C550060 01 | OG2 |
             •Morvir_scaffold178.g16.t1 | OG2 |
              •Sanmal_Sma_007837-T1 | OG2 |
                -Aaur_scaffold2652.g1.t1 | OG2 |
                 -Nemnom_g15548.t1 | OG2 |
               <sup>96</sup> Rhoesc_Res_012027-T1 | OG2 |
              -Dgig_XM_028543917.1 | OG2 |
          <sup>100</sup>-Xesp_022289-T1 | OG2 |
    82
                -Nvec_v1g182399 | OG2 |
             <sup>98</sup> -Exapal_XM_021059148.2 | OG2 |
                   Gasp_gasp1.m3.9885.m1 | OG2 |
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                <sup>100</sup> Fspp_ffun1.m4.649.m1 | OG2 |
                      •Spis_XP_022790687_1 | OG2 |
                   <sup>100</sup> Pocdam_XM_027203454.1 | OG2 |
                     -Gfas_gfas1.m1.2808.m1 | OG2 |
                        Amil_Amillepora22653-RA | OG2 |
      72
                     <sup>100</sup> -Adig_XM_015912230.1 | OG2 |
                Spur XM 030983440.1 | OG2 |
             <sup>100</sup> Spur XM_030998509.1 | OG2 |
               •Skow_XM_006815589.1 | OG2 |
                  -Bralan_BLAG02001636_1 | OG2 |
               <sup>76</sup>□-Hsap_ENST00000357849 | OG2 |
        99
                 •Tcas TC011816 001 | OG2 |
                   •Dpul_mRNA25255 | OG2 |
                 Cscu XM 023354302.1 | OG2 |
                    Acagra_model.g12387.t1.1.5d3b8704 | OG2 |
                 <sup>1001</sup>Acagra_model.g12387.t1 | OG2 |
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                    -Cgig XM 020073148.2 | OG2 |
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