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•Acaspe_EP00035_Acanthoeca_spectabilis_P027119 | OG0 |
100
                          •Helnan_EP00037_Helgoeca_nana_P025879 | OG0 |
           Clacor_Ccor_C504519_01 | OG1 |
                Lcom Icpid5400 | OG1 |
    98
               -Scil scict020032.3 | OG1 |
             •Plajan_Pjan_scaffold14918_01 | OG1 |
                    <sub>!</sub>Opea_EP00118_Oscarella_pearsei_P026350 | OG1 |
     97
                 <sup>100</sup><sup>1</sup> Ocar_g2850 | OG1 |
                    •Hvul_g14925_1 | OG1 |
           100
                      Chem TCONS_00021079 | OG1 |
                       •Morvir_scaffold347.g21.t1 | OG1 |
        98
100
                           •Morvir scaffold1384.g1.t1 | OG1 |
          95
                       |Sanmal_Sma_009376-T1|OG1
            96
                         •Aaur_scaffold2089.g1.t1 | OG1 |
               100
                            •Nemnom g16910.t1 | OG1 |
                  100
                            -Rhoesc_Res_013787-T1 | OG1 |
                              Stycar maker-SC scaffold123733-augustus-gene-0.2-mRNA-1 | OG1 |
                        <sup>100</sup><sup>1</sup>-Stycar_maker-SC_scaffold143789-augustus-gene-0.35-mRNA-1 | OG1 |
   52
                           •Plespi_Pspi_scaffold13362_01 | OG1 |
             99
                            •Xestes_maker-XT_scaffold19855-snap-gene-0.3-mRNA-1 | OG1 |
                   68
                                 •Aque_Aqu2.1.42608_001 | OG1 |
               66
                             •Tetwil g24866.t1 | OG1 |
                 81
                                  *Stycar_maker-SC_scaffold56586-snap-gene-0.4-mRNA-1 | OG1 |
                      84
                                              Stycar_maker-SC_scaffold115958-snap-gene-0.1-mRNA-1 | OG1 |
                                  -Emue_Em0001g845a.t1 | OG1 |
                   81
                             <sup>100</sup> Emue_Em0001g846a.t1 | OG1 |
                                 Spolac c99720 g1 i4 m.20431c99720-g1 | OG1 |
                                   •Spolac_c99720_g1_i1_m.20428c99720-g1 | OG1 |
                                    Spolac c99720 g1 i2 m.20429c99720-g1 | OG1 |
    61
                                   961Spolac_c99720_g1_i3_m.20430c99720-g1 | OG1 |
                            Codhol_EP00042_Codosiga_hollandica_P035732 | OG1 |
                                 100
                                     •Codhol_EP00042_Codosiga_hollandica_P035730 | OG1 |
                                 Codhol EP00042 Codosiga hollandica P035729 | OG1 |
                              Codhol EP00042_Codosiga_hollandica_P035731 | OG1
                           Salkve EP00050 Salpingoeca kvevrii P021804 | OG1 |
           87
                            Mylflu EP00047 Mylnosiga fluctuans P007654 | OG1 |
               46
                            Salpun_EP00053_Salpingoeca_punica_P007170 | OG1 |
                                 •Salmac_EP00052_Salpingoeca_macrocollata_P009237 | OG1 |
                            | Salmac_EP00052_Salpingoeca_macrocollata_P009238 | OG1
                              Saldol_EP00054_Salpingoeca_dolichothecata_P014192 | OG1 |
             87
                                 Saldol EP00054 Salpingoeca dolichothecata P014191 | OG1 |
                              | Salinf_EP00049_Salpingoeca_infusionum_P012860                                | OG1
                              •Microa_EP00043_Microstomoeca_roanoka_P003919 | OG1 |
                         100
                                        •Sros_EGD81144 | OG1 |
                                 Choper_EP00045_Choanoeca_perplexa_P012903 | OG1 |
                                        •Chofle_EP00730_Choanoeca_flexa_P004260 | OG1 |
                         100
                                  671Chofle_EP00730_Choanoeca_flexa_P004264 | OG1 |
                                   Chofle_EP00730_Choanoeca_flexa_P004263 | OG1 |
                                 <sup>501</sup>—•Chofle_EP00730_Choanoeca_flexa_P004265 | OG1 |
                      Spur_XM_011672375.2 | OG1 |
                         rTrH2_TrispH2_007353-RA | OG1 |
                      <sup>100</sup><sup>1</sup>-Tadh_TriadT29087 | OG1 |
                          •HoiH11_mRNA7889 | OG1 |
                   100
                             •HoiH23_PIH23_007662-RA | OG1 |
                             -HoiH06_mRNA3658 | OG1 |
                              Hhon_g09029.t1 | OG1 |
           96
                           <sup>100</sup><sup>1</sup>-HoiH04_mRNA11382 | OG1 |
                           •Xesp 003879-T1 | OG1 |
                        Dgig XM 028542531.1 | OG1 |
                 100
                           •Xesp_003880-T1 | OG1 |
                            ec_v1g230591 | OG1 |
                             •Exapal_XM_021043079.2 | OG1 |
                100
                           Amil_Amillepora16946-RA | OG1 |
                        <sup>100</sup> Adig_XM_015898279.1 | OG1 |
                            Gfas gfas1.m1.3358.m1 | OG1 |
         90
                               •Gasp_gasp1.m3.26413.m1 | OG1 |
                                 -Fspp_ffun1.m4.26826.m1 | OG1 |
                                  _•Spis_XP_022806604_1 | OG1 |
                               <sup>100</sup><sup>L</sup>-Pocdam_XM_027193696.1 | OG1 |
                      Skow_XM_006818070.1 | OG1 |
                        •Bralan_BLAG05000251_3 | OG1 |
                               -Tcas_TC013117_001 | OG1 |
                  51
                               •Dpul_mRNA13128 | OG1 |
                              Cscu XM 023367573.1 | OG1 |
                               Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA5356 | OG1 |
                           •Cgig XM 034461088.1 | OG1 |
                        <sup>100</sup> Cgig_XM_034452318.1 | OG1 |
                          •Hsap ENST00000376344 | OG1 |
                                  -Vmul_SimC393284 | OG1 |
                                  •Coeast Cast sb782979 | OG1 |
               15
                               1001-Coemet Cmet scaffold20561 01 | OG1 |
                          100
                                   -Lampan_Lpan_C406529_01 | OG1 |
                                     •Beraby_Baby_sb347114 | OG1 |
                             100
                                       Mertsp Mesp sb564958 | OG1 |
                                          Bolinf Binf sb1214173 | OG1 |
                                       <sup>100</sup> Mertsp_Mesp_sb564957 | OG1 |
                                          •Drygla_Dgla_sb291678 | OG1 |
                                             -Horcal_Hcv1.av93.c4.g723.i1 | OG1 |
                                               Pbac sb2644326 | OG1 |
                                                --Pbac_sb2663060 | OG1 |
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•Mylflu_EP00047_Mylnosiga_fluctuans_P009433 | OG0 |