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•Codhol_EP00042_Codosiga_hollandica_P011770 | OG0 |
                                     •Microa_EP00043_Microstomoeca_roanoka_P007984 | OG0 |
                               •Dpul_mRNA5837 | OG0 |
                                       •Microa_EP00043_Microstomoeca_roanoka_P015579 | OG0 |
                 ·Didcos EP00039 Didymoeca costata P018283 | OG0 |
83
                 Diagra EP00040 Diaphanoeca grandis P017083 | OG0 |
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                 Stedip_EP00041_Stephanoeca_diplocostata_P006677 | OG0 |
                   Acaspe EP00035 Acanthoeca spectabilis P019958 | OG0 |
               <sup>100</sup>Ū-Helnan EP00037 Helgoeca nana P014189 | OG0 |
  48
              Saldol_EP00054_Salpingoeca_dolichothecata_P038163 | OG0 |
               -Salpun_EP00053_Salpingoeca_punica_P020399 | OG0 |
      43
                  -Salmac_EP00052_Salpingoeca_macrocollata_P030597 | OG0 |
                   Mylflu EP00047 Mylnosiga fluctuans P001821 | OG0 |
                  | Salurc_EP00051_Salpingoeca_urceolata_P027288                                | OG0
    80
                  •Lcom | lcpid139530 | OG0 |
                  Salkve EP00050 Salpingoeca_kvevrii_P013646 | OG0 |
      51
                -Salinf_EP00049_Salpingoeca_infusionum_P017488 | OG0 |
                  •Microa EP00043 Microstomoeca roanoka P015912 | OG0 |
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                  Sros EGD80800 | OG0 |
                   Mbre EDQ91284 | OG0 |
                    Chofle EP00730 Choanoeca flexa P011019 | OG0 |
                    -Choper_EP00045_Choanoeca_perplexa_P010659 | OG0 |
         Opea EP00118 Oscarella pearsei P025399 | OG1 |
                    •Plajan_Pjan_C561486_01 | OG1 |
                  TrH2_TrispH2_005645-RA | OG1 |
               <sup>100</sup>Tadh TriadT37081 | OG1 |
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                  •HoiH11_mRNA2912 | OG1 |
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                       <sub>"</sub>HoiH23_PIH23_004478-RA | OG1 |
                    <sup>100</sup> HoiH06 mRNA3122 | OG1 |
                       Hhon q06062.t1 | OG1 |
    56
                          HoiH04 mRNA5568 | OG1 |
                       <sup>1001</sup>HoiH04 mRNA5078 | OG1 |
                           •Lcom_lcpid173805 | OG1 |
                 •Tetwil_g8767.t1 | OG1 |
                     Stycar_maker-SC_scaffold838-augustus-gene-0.7-mRNA-1 | OG1 |
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                   •Emue_Em0018g333a.t1 | OG1 |
                <sup>100</sup><sup>1</sup>-Spolac_c79920_g1_i1_m.2493c79920-g1 | OG1 |
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                Xestes maker-XT scaffold35764-snap-gene-0.18-mRNA-1 | OG1 |
                  -Halamb_c51573_g1_i1m.30887 | OG1 |
                     Aque_Aqu2.1.28978_001 | OG1 |
                  <sup>1001</sup>Aque_Aqu2.1.07807_001 | OG1 |
                    •Skow XM 002734978.2 | OG1 |
                       •Bralan_BLAG07000500_1 | OG1 |
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                        Spur_XM_030975263.1 | OG1 |
                         •Hsap ENST00000318911 | OG1 |
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                   •Tcas_TC010331_001 | OG1 |
                          Ctel gnl WGS AMQN CAPTEDRAFT mRNA177920 | OG1 |
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                       Lcom lcpid165202 | OG1 |
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                   <sup>100</sup><sup>1</sup>-Lcom_lcpid81536 | OG1 |
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                       Acagra_model.g29417.t1.1.5d3b8c9a | OG1 |
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                          Acagra model.g29417.t1.3.5d3b8c9a | OG1 |
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                       <sup>100</sup> Acagra model.g29417.t1.2.5d3b8c9a | OG1 |
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                       •Chem_TCONS_00069674 | OG1 |
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                     •Sanmal_Sma_025063-T1 | OG1 |
                     -Rhoesc Res 011209-T1 | OG1 |
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                     •Xesp 005264-T1 | OG1 |
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                           xapal_XM_021040002.1 | OG1 |
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                                •Adig_XM_015907750.1 | OG1 |
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                          Spis_XP_022802766_1 | OG1 |
                      100 Pocdam XM 027181454.1 | OG1 |
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                          •Gasp gasp1.m3.8497.m1 | OG1 |
                      <sup>100</sup><sup>1</sup>-Fspp_ffun1.m4.20914.m1 | OG1 |
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                                     Eupdun_Edun_sb10643579 | OG1 |
                                  <sup>1001</sup>-Eupdun_Edun_sb10643580 | OG1 |
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                                       Vmul Simscaffold15421 01 | OG1 |
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                                       <sup>1</sup>00<sup>1</sup>-Coeast_Cast_sb792883 | OG1 |
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                                                 Mertsp_Mesp_sb599906 | OG1 |
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                                           •Pbac_sb2653678 | OG1 |
                                        <sup>99</sup> Horcal_Hcv1.av93.c1.g742.i1 | OG1 |
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                                           Pbac sb2653358 | OG1 |
                                        <sup>100</sup> Pbac sb2661474 | OG1 |
                                         Drygla Dgla sb275832 | OG1 |
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                                             Beraby_Baby_sb335775 | OG1 |
                                               Bolinf_Binf_sb1221351 | OG1 |
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                                                 Mertsp Mesp sb542971 | OG1 |
                                               <sup>261</sup>-Mertsp Mesp sb542972 | OG1 |
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                                            •Mlei_ML0665.g16.i1 | OG1 |
                                                Mertsp_Mesp_sb586889 | OG1 |
                                              <sup>83</sup> Mertsp_Mesp_sb586890 | OG1 |
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                                                  Bolinf Binf sb1279487 | OG1 |
                                                <sup>84</sup> Bolinf Binf sb1279489 | OG1 |
                                                  Mertsp Mesp sb586887 | OG1 |
                                                    Mertsp_Mesp_sb586888 | OG1 |
                                                        Bolinf_Binf_sb1279486 | OG1 |
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                                                        Bolinf Binf sb1279490 | OG1 |
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⁶⁹ Bolinf Binf sb1279491 | OG1 |