```
Ctel gnl WGS AMQN CAPTEDRAFT mRNA130569 | OG0 |
                                           -Xestes_augustus_masked-XT_scaffold169070-processed-gene-0.14-mRNA-1 | OG0 |
              100
                                     Xestes_maker-XT_scaffold183827-augustus-gene-0.132-mRNA-1 | OG0 |
                                                 •Morvir_scaffold121.g7.t1 | OG0 |
   93
                       Didcos EP00039 Didymoeca costata P010453 | OG0 |
                  100 Didcos EP00039 Didymoeca_costata_P010454 | OG0 |
                      Diagra_EP00040_Diaphanoeca_grandis_P025211 | OG0 |
          100
                        •Stedip_EP00041_Stephanoeca_diplocostata_P012640 | OG0
               100
                  100
                           •Acaspe_EP00035_Acanthoeca_spectabilis_P023206 | OG0 |
                      <sup>100</sup><sup>1</sup>-Helnan EP00037_Helgoeca_nana_P014836 | OG0 |
                   Eupdun Edun sb10641947 | OG0 |
                       •Lampan_Lpan_10385_01 | OG0 |
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                         -Coeast_Cast_sb751428 | OG0 |
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                      Coemet_Cmet_scaffold20158_01 | OG0 |
                         Drygla Dgla sb286894 | OG0 |
                           _Drygla_Dgla_sb286895 | OG0 |
                         96 Drygla_Dgla_sb286896 | OG0 |
                           Pbac_sb2647962 | OG0 |
                            _Horcal_Hcv1.av93.c9.g634.i1 | OG0 |
                                           •Pbac sb2647963 | OG0 |
                          Bolinf Binf sb1219026 | OG0 |
                       100 Bolinf_Binf_sb1219025 | OG0
                          <sup>1</sup>•Bolinf_Binf_sb1219027 | OG0
                           •Mertsp_Mesp_sb550285 | OG0 |
                             Beraby Baby_sb343765 | OG0 |
                      22
                               Bolinf_Binf_sb1228894 | OG0 |
                            <sup>100</sup> Mertsp_Mesp_sb550133 | OG0 |
                               Mlei_ML1603.g10.i1 | OG0 |
                             1001<mark>-</mark>Vmul_sbMO407059 | OG0 |
                •Mbre EDQ89988 | OG1 |
                  •Chofle_EP00730_Choanoeca_flexa_P003606 | OG1 |
      99
                    •Choper_EP00045_Choanoeca_perplexa_P006272 | OG1 |
   98
              Salinf_EP00049_Salpingoeca_infusionum_P027702 | OG1 |
                Salinf EP00049 Salpingoeca infusionum P027703 | OG1 |
      100
               •Microa EP00043 Microstomoeca roanoka P006455 | OG1 |
         100
               Sros_EGD72847 | OG1 |
                ·Salurc_EP00051_Salpingoeca_urceolata_P019967 | OG1 |
                  Saldol_EP00054_Salpingoeca_dolichothecata_P014333 | OG1 |
                       Codhol_EP00042_Codosiga_hollandica P047911 | OG1 |
     67
                •Mylflu EP00047 Mylnosiga fluctuans P003811 | OG1 |
                Salmac_EP00052_Salpingoeca_macrocollata_P006505 | OG1 |
                    Salpun_EP00053_Salpingoeca_punica_P007758 | OG1 |
                Salkve_EP00050_Salpingoeca_kvevrii_P014749 | OG1 |
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                     Lcom lcpid220706 | OG1 |
                   <sup>72</sup>--Lcom_lcpid227068 | OG1 |
                       •Spur_XM_003729388.3 | OG1 |
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                                 -Lcom_lcpid187723 | OG1 |
                            •Lcom_lcpid232287 | OG1 |
                      Hsap ENST00000523282 | OG1 |
                             Lcom lcpid253143 | OG1 |
                      •Skow_XM_002736532.2 | OG1 |
                           •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA158105 | OG1 |
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                        Bralan_BLAG08000556_1 | OG1 |
                         •Skow XM 006818137.1 | OG1 |
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                            •Acagra model.g5824.t1 | OG1 |
                           -Cgig_XM_034444242.1 | OG1 |
                             •Clacor Ccor scaffold5479 01 | OG1 |
                             Lcom_lcpid75362 | OG1 |
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                              •Scil_scict012928.1 | OG1 |
                                 Gracom Gcom scaffold8398 01 | OG1 |
                                 Leuniv Lniv C807686 01 | OG1 |
                              •Aque_Aqu2.1.28507_001 | OG1 |
           68
                53
                              -Halamb_c47850_g1_i1m.23106 | OG1 |
                                Stycar_maker-SC_scaffold1888-augustus-gene-0.2-mRNA-1 | OG1 |
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                                 -Stycar_maker-SC_scaffold5358-snap-gene-0.30-mRNA-1 | OG1 |
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                          93
                                •Tetwil g23727.t1 | OG1 |
                        88
                                   <sub>"</sub>Spolac_c103588_g1_i1_m.35014c103588-g1 | OG1 |
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                                <sup>100</sup> Spolac_c103588_g1_i2_m.35016c103588-g1 | OG1 |
                             <sub>]</sub>TrH2_TrispH2_005670-RA | OG1 |
                          <sup>1001</sup>-Tadh TriadT37272 | OG1 |
                              -HoiH11_mRNA18 | OG1 |
                       100
                                <sub>e</sub>HoiH23_PIH23_003712-RA | OG1 |
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                                  HoiH06_mRNA1756 | OG1 |
                                     <sub>j</sub>·Hhon_g00373.t1 | OG1 |
                                  <sup>1001</sup>•HoiH04_mRNA15932 | OG1 |
                          •Morvir_scaffold81.g10.t1 | OG1 |
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                                  •Chem_TCONS_00055342 | OG1 |
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                                Aaur scaffold58.g43.t1 | OG1 |
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                                -Nemnom_g13024.t1 | OG1 |
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                             •Xesp 009603-T1 | OG1 |
                             •Exapal XM 021040134.2 | OG1 |
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                            •Nvec_v1g238321 | OG1 |
                  97
                               •Gfas_gfas1.m1.11806.m1 | OG1 |
                                   •Spis_XP_022779281_1 | OG1 |
                                      •Pocdam_XM_027180949.1 | OG1 |
                                   Gasp_gasp1.m3.2570.m1 | OG1 |
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                             63
                                      •Fspp ffun1.m4.23538.m1 | OG1 |
                               89
                                                                -Fspp_ffun1.m2b.18918.m1 | OG1 |
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                                                Fspp ffun1.m4.26524.m1 | OG1 |
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                                  -Adig XM 015918569.1 | OG1 |
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0.416667
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