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•Plajan Pjan scaffold10196 01 | OG0 |
       Opea_EP00118_Oscarella_pearsei_P002504 | OG0 |
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                 •Lcom_lcpid131245 | OG0 |
35
            Clacor Ccor scaffold14703 01 | OG0 |
               •Lcom_lcpid37885 | OG0 |
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              •Scil_scict007726.1 | OG0 |
                -Leuniv_Lniv_C803094_01 | OG0 |
                  -Gracom Gcom_C541318_01 | OG0 |
                       •Aque_Aqu2.1.41566_001 | OG0 |
                   •Tetwil g20423.t2 | OG0 |
                  -Stycar_maker-SC_scaffold88536-augustus-gene-0.5-mRNA-1 | OG0 |
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                Stycar_augustus_masked-SC_scaffold117743-processed-gene-0.0-mRNA-1 | OG0 |
                   •Tetwil g11129.t1 | OG0 |
            100

    Xestes augustus masked-XT scaffold4003-processed-gene-0.1-mRNA-1 | OG0 |

                        <sub>r</sub>Halamb_c32341_g1_i1m.7069 | OG0 |
                            -Aque_Aqu2.1.38596_001 | OG0 |
                 82
                          <sub>!</sub>Spolac_c96440_g2_i1_m.13092c96440-g2 | OG0 |
                       <sup>1001</sup>Spolac_c96440_g2_i2_m.13093c96440-g2 | OG0 |
                         Emue Em0010g1013a.t1 | OG0 |
                       76 Emue_Em0010g1034a.t1 | OG0 |
         •Drygla_Dgla_sb301212 | OG0 |
          <sub>!</sub>Beraby_Baby_sb330827 | OG0 |
       <sup>100</sup> Beraby_Baby_sb330828 | OG0 |
                      •Horcal Hcv1.av93.c2.g817.i1 | OG0 |
100
               Horcal_Hcv1.av93.c2.g817.i2 | OG0 |
             <sup>99</sup> Pbac_sb2640213 | OG0 |
         90
     98
                 Vmul_sbMO414545 | OG0 |
                 rCoemet_Cmet_C591585_01 | OG0 |
                   Coeast Cast sb820510 | OG0 |
                 65 Coeast_Cast_sb820511 | OG0 |
               -Lampan_Lpan_3364_01 | OG0 |
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                 •Eupdun_Edun_sb10646137 | OG0 |
                  Eupdun Edun sb10646134 | OG0 |
                81 Eupdun_Edun_sb10646133 | OG0 |
                   <sup>1</sup>-Eupdun_Edun_sb10646135 | OG0 |
                Mlei_ML3209.g12.i1 | OG0 |
             <sup>[100</sup>]⊶Vmul_sbMO434526 | OG0 |
                  Bolinf Binf sb1233776 | OG0 |
               <sup>100</sup> Mertsp_Mesp_sb591289 | OG0 |
                    Bolinf_Binf_sb1227293 | OG0 |
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                      Mertsp_Mesp_sb556557 | OG0 |
                    <sup>31</sup> Mertsp_Mesp_sb556559 | OG0 |
                    Bolinf_Binf_sb1227292 | OG0 |
                      Mertsp_Mesp_sb556556 | OG0 |
                        Mertsp_Mesp_sb556558 | OG0 |
                          Bolinf_Binf_sb1227296 | OG0 |
                        <sup>29</sup> Bolinf_Binf_sb1227297 | OG0 |
       Hhon g09587.t1 | OG1 |
     <sup>80</sup> HoiH04 mRNA11411 | OG1 |
         HoiH23_PIH23_003065-RA | OG1 |
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       <sup>89</sup><sup>1</sup>•HoiH11_mRNA9626 | OG1 |
          TrH2_TrispH2_001231-RA | OG1 |
       100 Tadh TriadT50029 | OG1 |
               •Salkve_EP00050_Salpingoeca_kvevrii_P006046 | OG1 |
62
                   Salurc_EP00051_Salpingoeca_urceolata_P018962 | OG1 |
       86
                     •Codhol_EP00042_Codosiga_hollandica_P016394 | OG1 |
                    ·Salmac_EP00052_Salpingoeca_macrocollata_P030545 | OG1 |
                      Salpun_EP00053_Salpingoeca_punica_P005440 | OG1 |
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                        Diagra EP00040 Diaphanoeca_grandis_P002577 | OG1 |
                  Saldol EP00054 Salpingoeca dolichothecata P003390 | OG1 |
                         -Stedip_EP00041_Stephanoeca_diplocostata_P019564 | OG1 |
                          -Didcos_EP00039_Didymoeca_costata_P013437 | OG1 |
       55
                   •Mylflu_EP00047_Mylnosiga_fluctuans_P002364 | OG1 |
                      •Salinf_EP00049_Salpingoeca_infusionum_P017521 | OG1 |
                      •Microa_EP00043_Microstomoeca_roanoka_P020551 | OG1 |
         90
                          •Sros_EGD75599 | OG1 |
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                     Mbre_EDQ90236 | OG1 |
                       -Chofle_EP00730_Choanoeca_flexa_P016990 | OG1 |
                       •Choper_EP00045_Choanoeca_perplexa_P004221 | OG1 |
          Spur_XM_775312.4 | OG1 |
       <sup>100</sup> Spur_XM_030987918.1 | OG1 |
            •Morvir_scaffold114.g28.t1 | OG1 |
  29
               •Hvul_g29690_1 | OG1 |
              •Chem_TCONS_00013838 | OG1 |
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          •Sanmal_Sma_023353-T1 | OG1 |
           Rhoesc_Res_004799-T1 | OG1 |
             Nemnom_g17233.t1 | OG1 |
                 -Aaur_scaffold43.g40.t1 | OG1 |
           Exapal XM_021051187.1 | OG1 |
      <sup>[100</sup>]•Nvec_v1g236739 | OG1 |
61
            •Spis_XP_022796086_1 | OG1 |
         <sup>1</sup> Pocdam_XM_027187783.1 | OG1 |
           •Gasp_gasp1.m3.18409.m1 | OG1 |
               Fspp_ffun1.m4.7318.m1 | OG1 |
             <sup>95</sup>-Gfas_gfas1.m1.2918.m1 | OG1 |
                 -Adig XM 015916634.1 | OG1 |
                  -Amil_Amillepora26832-RA | OG1 |
  54
                99 Adig_XM_015894706.1 | OG1 |
          •Skow_XM_002734468.2 | OG1 |
             •Bralan_BLAG18000331_1 | OG1 |
              -Dgig_XM_028553241.1 | OG1 |
           <sup>100</sup><sup>1</sup>-Xesp_022046-T1 | OG1 |
              Cscu XM 023360132.1 | OG1 |
    59
               -Tcas_TC007124_001 | OG1 |
               •Dpul_mRNA25975 | OG1 |
              •Hsap_ENST00000600006 | OG1 |
                    •Ctel gnl WGS AMQN CAPTEDRAFT mRNA158252 | OG1 |
                Acagra_model.g3112.t1 | OG1 |
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                  •Cgig XM 011417851.3 | OG1 |
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