```
Xestes augustus masked-XT scaffold186317-processed-gene-0.1-mRNA-1 | OG0 |
92
                  •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA204595 | OG0 |
             Coemet_Cmet_scaffold9332_01 | OG1 |
                •Coeast_Cast_sb777670 | OG1 |
       93
                Vmul sbMO444090 | OG1 |
         95
             <sup>100</sup> Vmul_sbMO444086 | OG1 |
               •Drygla_Dgla_sb284959 | OG1 |
    95
                         -Pbac sb2638784 | OG1 |
         63
                   Horcal_Hcv1.av93.c11.g363.i1 | OG1 |
                      -Pbac sb2644210 | OG1 |
                   <sup>100</sup>Pbac sb2637597 | OG1 |
       89
              Bolinf_Binf_sb1267358 | OG1 |
           _____Mertsp_Mesp_sb557801 | OG1 |
                -Lampan_Lpan_16036_01 | OG1 |
                      Bolinf Binf sb1231480 | OG1 |
                        Beraby_Baby_sb347970 | OG1
           30
                          Mertsp Mesp sb563566 | OG1 |
                        <sup>59</sup> Beraby Baby sb347971 | OG1 |
                     rVmul_sbMO393683 | OG1 |
                  <sup>100</sup> Mlei ML0143.g6.i1 | OG1 |
                       Bolinf Binf sb1245736 | OG1 |
               100
                     65 Mertsp_Mesp_sb566899 | OG1 |
                       Bolinf_Binf_sb1245744 | OG1 |
                        Bolinf_Binf_sb1245743 | OG1 |
                       <sup>75</sup>Mertsp_Mesp_sb566900 | OG1 |
            Lcom | lcpid147243 | OG1
            •Clacor_Ccor_C527813_01 | OG1 |
               Lcom | lcpid44252 | OG1 |
                   •Gracom_Gcom_scaffold14194_01 | OG1 |
         100
                •Leuniv_Lniv_scaffold25230_01 | OG1 |
  57
                Lcom | lcpid149425 | OG1 |
                                  -Xestes_augustus_masked-XT_scaffold159147-processed-gene-0.2-mRNA-1 | OG1 |
                             Aaur_scaffold228.g1.t1 | OG1 |
                     •Lcom lcpid251411 | OG1 |
    50
                     Lcom lcpid185524 | OG1 |
                      Xestes_maker-XT_scaffold11559-snap-gene-0.17-mRNA-1 | OG1 |
                              -Xestes_maker-XT_scaffold128845-snap-gene-0.2-mRNA-1 | OG1 |
          55
                       •Halamb c53807 g1 i1m.36527 | OG1 |
                       Aque Aqu2.1.28676 001 | OG1 |
      50
                     <sup>1001</sup>-Aque_Aqu2.1.01196_001 | OG1 |
                      •Tetwil_g18116.t1 | OG1 |
                           •Tetwil_g18118.t1 | OG1 |
                 100
                          •Stycar_maker-SC_scaffold1221-snap-gene-0.15-mRNA-1 | OG1 |
               88
                                •Emue_Em0005g1667a.t1 | OG1 |
                         Emue_Em0005g1666a.t1 | OG1 |
                  100
                             •Spolac_c103969_g1_i2_m.37320c103969-g1 | OG1 |
                            Spolac_c103969_g1_i3_m.37321c103969-g1 | OG1 |
                              _-Spolac_c103969_g1_i5_m.37324c103969-g1 | OG1 |
                            <sup>781</sup>→Spolac_c103969_g1_i4_m.37323c103969-g1 | OG1 |
                    Opea_EP00118_Oscarella_pearsei_P001391 | OG1 |
             96
                    •Plajan Pjan C567774 01 | OG1 |
                       •Lcom_lcpid251961 | OG1 |
                          -Cgig_XM_011417507.3 | OG1
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                          •Acagra_model.g18714.t1 | OG1 |
               74
                            Lcom lcpid247893 | OG1 |
                           Cscu XM 023362220.1 | OG1
                                •Dpul mRNA16460 | OG1 |
          42
                                •Tcas_TC013574_001 | OG1 |
                             -HoiH11_mRNA1113 | OG1 |
                                •Hhon_g05678.t1 | OG1 |
                                  -HoiH23 PIH23 004705-RA | OG1 |
                               <sup>100</sup> HoiH06 _mRNA5770 | OG1 |
                        100
                                56
                             <sup>67</sup> Tadh_TriadT37989 | OG1 |
                               Tadh_wf_g12127.t1 | OG1 |
                             <sup>981</sup>-Tadh wf g12154.t1 | OG1 |
                              •Morvir scaffold29.g71.t2 | OG1 |
                                  •Hvul_g32989_1 | OG1 |
                     62
                        100
                                 Chem_TCONS_00000009 | OG1 |
                           •Aaur scaffold312.g15.t1 | OG1 |
                               Sanmal Sma 017118-T1 | OG1 |
                             Nemnom_g10841.t1 | OG1 |
               60
                               Nemnom g10839.t1 | OG1 |
                                  •Rhoesc_Res_012273-T1 | OG1 |
                             1001-Rhoesc Res 012272-T1 | OG1 |
                         Spur XM 030974187.1 | OG1 |
                           Skow XM 002733815.2 | OG1 |
                   95
                           Bralan BLAG16000511 1 | OG1 |
                          •Hsap_ENST00000652536 | OG1 |
                 59
                               •Xesp 002820-T1 | OG1 |
                              Dgig XM 028548420.1 | OG1 |
                   58
                               •Exapal XM 021039828.2 | OG1 |
                     94
                               -Nvec_v1g248537 | OG1 |
                         99
                            <sup>100</sup> →Nvec v1g140593 | OG1 |
                                        •Gfas gfas1.m1.18792.m1 | OG1 |
                       98
                                   •Pocdam XM 027198668.1 | OG1 |
                                    -Spis_XP_022805505 1 | OG1 |
                                 <sup>100</sup> Spis_XP_022807971_1 | OG1 |
                                 •Fspp_ffun1.m4.19458.m1 | OG1 |
                                   Gasp gasp1.m3.10724.m1 | OG1 |
                                          •Fspp ffun1.m4.33966.m1 | OG1 |
                                        Gfas_gfas1.m1.20942.m1 | OG1 |
                                          •Gfas_gfas1.m1.18791.m1 | OG1 |
                                           <sub>]</sub>•Adig_XM_015917204.1 | OG1 |
                                        Amil Amillepora35397-RA | OG1 |
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