```
rTrH2 TrispH2 007020-RA|OG0|
                  <sup>100</sup><sup>1</sup>Tadh_TriadT52329 | OG0 |
                      •HoiH11 mRNA5545 | OG0 |
               100
                        -HoiH23 PIH23 000839-RA | OG0 |
                         •HoiH04 mRNA3269 | OG0 |
                   Bralan BLAG10000269 1 | OG0 |
       94
                                -Hsap ENST00000652471 | OG0 |
                       ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA226990 | OG0 |
    86
                        •Cgig_XM_034465098.1 | OG0 |
76
                     <sub>f</sub>Acagra_model.g10852.t1_model.g10854.t1 | OG0 |
                   <sup>100</sup> Acagra model.g10852.t1 model.g10854.t1.1.5d400a68 | OG0 |
       90
                                                        -Skow_XM_006812061.1 | OG0 |
                    Skow XM 002731188.2 | OG0 |
                     •Spur_XM_030985682.1 | OG0 |
                  <sup>100</sup><sup>1</sup>-Spur XM_030972426.1 | OG0 |
                             -Chem TCONS 00010543 | OG0 |
  70
            100
                                   -Hvul g425 1 | OG0 |
                              •Morvir scaffold284.g10.t1 | OG0 |
        98
                                        •Aaur_scaffold1478.g1.t1 | OG0 |
                             Sanmal_Sma_010964-T1 | OG0 |
                                    Aaur_scaffold595.g3.t2 | OG0 |
                                   •Aaur_scaffold595.g2.t1 | OG0 |
                  85
                            Nemnom_g16236.t1 | OG0 |
                           Rhoesc_Res_000103-T1 | OG0 |
                                                                -Tcas_TC000607_001 | OG0 |
                       •Xesp 020692-T1 | OG0 |
                        -Dgig_XM_028546572.1 | OG0 |
                                •Xesp_020694-T1 | OG0 |
                    Exapal XM 021045804.2 | OG0 |
                                        •Aaur_scaffold1478.g2.t1 | OG0 |
      75
            80
                    •Nvec NVE22663 | OG0 |
                    Nvec_v1g219214 | OG0 |
                       -Nvec NVE7243 | OG0 |
          87
                   ·Gfas_gfas1.m1.1942.m1 | OG0 |
                    Amil Amillepora04001-RA | OG0 |
                     •Adig_XM_015924454.1 | OG0 |
                    Fspp ffun1.m4.3078.m1 | OG0 |
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                    -Gasp gasp1.m3.13171.m1 | OG0 |
                      •Spis_XP_022804188_1 | OG0 |
                 <sup>1001</sup>•Pocdam XM_027187031.1 | OG0 |
                                              -Leuniv_Lniv_C760146_01 | OG0 |
                                                        Lcom | lcpid11629 | OG0 |
                               100
                                                    •Gracom Gcom C560978 01 | OG0 |
                                                              Leuniv Lniv scaffold24182 01 | OG0 |
                          •Tetwil g9977.t1 | OG0 |
   85
                     <sub>*</sub>Stycar_maker-SC_scaffold357-snap-gene-0.78-mRNA-1 | OG0 |
                  <sup>100</sup> Stycar_maker-SC_scaffold357-snap-gene-0.80-mRNA-1 | OG0 |
                        •Plespi_Pspi_scaffold20127_01 | OG0 |
     92
                           -Xestes_snap_masked-XT_scaffold3009-processed-gene-0.11-mRNA-1 | OG0 |
                                -Aque_Aqu2.1.37436_001 | OG0 |
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                              Halamb_c47259_g2_i1m.22048 | OG0 |
        86
                     100
                                -Halamb_c18107_g1_i1m.3083 | OG0 |
                                   •Halamb_c45359_g1_i1m.18826 | OG0 |
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                          •Tetwil_g9979.t2 | OG0 |
                       -Stycar_maker-SC_scaffold357-snap-gene-0.81-mRNA-1 | OG0 |
                                    Stycar_maker-SC_scaffold357-augustus-gene-0.67-mRNA-1 | OG0 |
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                          Spolac c102218 g2 i9 m.28388c102218-g1 | OG0 |
                           •Spolac_c104916_g1_i11_m.44280c102218-g1 | OG0 |
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                             •Emue Em0001g1398a.t1 | OG0 |
                               •Spolac_c102218_g1_i2_m.28380c102218-g1 | OG0 |
                             <sub>f</sub>Spolac_c104916_g1_i6_m.44273c102218-g1 | OG0 |
                               -Spolac_c102218_g2_i3_m.28383c102218-g1 | OG0 |
                             <sup>75</sup> Spolac_c104916_g1_i3_m.44269c102218-g1 | OG0 |
                   Ocar_g4759 | OG0 |
                        Opea_EP00118_Oscarella_pearsei_P013892 | OG0 |
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                      <sup>96</sup> Opea EP00118 Oscarella_pearsei_P013893 | OG0 |
                         Opea_EP00118_Oscarella_pearsei_P013895 | OG0 |
                      <sup>1001</sup>•Opea_EP00118_Oscarella_pearsei_P013894 | OG0 |
                                •Coemet_Cmet_scaffold21426_01 | OG0 |
                                  •Coeast_Cast_sb814907 | OG0 |
  76
                                   Coeast Cast sb814898 | OG0 |
                                 <sup>51</sup> Coeast Cast sb814893 | OG0 |
                                 Eupdun Edun sb10666551 | OG0 |
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                                 Eupdun Edun sb10666543 | OG0 |
                                   Eupdun Edun sb10666546 | OG0 |
                                     _Eupdun_Edun_sb10666555 | OG0 |
                                    <sup>931</sup>-Eupdun_Edun_sb10666559 | OG0 |
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                               •Lampan_Lpan_8044_01 | OG0 |
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                                         Horcal_Hcv1.av93.c3.g166.i1 | OG0 |
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                                     Mertsp_Mesp_sb589965 | OG0 |
                                100
                                       Bolinf Binf sb1254535 | OG0 |
                                   86
                                         Mertsp_Mesp_sb589962 | OG0 |
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                                         Drygla Dgla sb295126 | OG0 |
                                         Beraby_Baby_sb347967 | OG0 |
                               100
                                      <sup>100</sup> Beraby Baby_sb347968 | OG0 |
                                   100
                                        Bolinf Binf sb1173899 | OG0 |
                                           Beraby_Baby_sb347963 | OG0 |
                                         <sup>100</sup>Beraby_Baby_sb347964 | OG0 |
                             81
                                      Mlei ML0912.g23.i1 | OG0 |
                                       Bolinf Binf sb1294881 | OG0 |
                                    100 Mertsp Mesp sb605147 | OG0 |
                                          •Vmul_sbMO380450 | OG0 |
                                                     •Mlei_ML0912.g24.i1 | OG0 |
                                 70
                                                     Drygla Dgla sb289153 | OG0 |
                                                  <sup>100</sup> Drygla_Dgla_sb289154 | OG0 |
                                   88
                                         Mertsp_Mesp_sb574618 | OG0 |
                                              Bolinf Binf sb1265356 | OG0 |
                                      100
                                           100 Bolinf Binf sb1265357 | OG0 |
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                                             Bolinf Binf sb1265350 | OG0 |
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991-Bolinf Binf sb1265351 | OG0 |