```
Chem TCONS 00072358 | OG0 |
      80
                                                        -Hvul g3385 1 | OG0 |
    97
                          •Hvul_g3387_1 | OG0 |
                       <sup>100</sup>1-Hvul_g3388_1 | OG0 |
 99
                •Morvir_scaffold183.g28.t1 | OG0 |
               |Sanmal Sma 008440-T1|OG0
   96
                 Aaur_scaffold1690.g3.t2 | OG0 |
                   •Nemnom_g13507.t1 | OG0 |
           100
              <sup>100</sup>Ū-Rhoesc_Res_003077-T1 | OG0 |
                           <sub>5</sub>TrH2_TrispH2_003582-RA | OG0 |
                        <sup>100</sup> Tadh TriadT1612 | OG0 |
                           -HoiH11_mRNA3596 | OG0 |
                     100
                                -HoiH23_PIH23_004190-RA | OG0 |
                             <sup>100</sup> HoiH06_mRNA6629 | OG0 |
                                <sub>•</sub>Hhon_g09176.t1 | OG0 |
                             100 HoiH04 _mRNA1186 | OG0 |
                                                                                                     •Pbac_sb2663484 | OG0 |
     72
                                    •Lampan_Lpan_C414151_01 | OG0 |
                                           Eupdun_Edun_sb10640061 | OG0 |
                                             Eupdun_Edun_sb10640058 | OG0
                                        100
                                                 Eupdun_Edun_sb10640064 | OG0
                                               <sup>71</sup> Eupdun_Edun_sb10640066 | OG0
       75
                                                 Eupdun_Edun_sb10640068 | OG0 |
                                                   Eupdun_Edun_sb10640057 | OG0 |
                                                     Eupdun_Edun_sb10640067 | OG0 |
                                                    <sub>56</sub>* •Eupdun_Edun_sb10640069 | OG0 |
                            100
                                                          Eupdun_Edun_sb10640059 | OG0 |
                                                        48 Eupdun_Edun_sb10640071 | OG0 |
                                       •Vmul sbMO438452 | OG0 |
                                       Coemet_Cmet_C597171_01 | OG0 |
                                          Coeast_Cast_sb808571 | OG0 |
                                    100
                                            •Coeast_Cast_sb808575 | OG0 |
                                          <sup>30</sup> Coeast_Cast_sb808573 | OG0 |
                                            •Eupdun_Edun_sb10640062 | OG0 |
                                          •Pbac_sb2663486 | OG0 |
                                       <sup>100</sup> Horcal_Hcv1.av93.c2.g263.i1 | OG0 |
                                         Mertsp_Mesp_sb595634 | OG0 |
                                 42
                                           Bolinf_Binf_sb1286416 | OG0 |
                                         681-Bolinf Binf sb1286418 | OG0 |
                                            -Bolinf Binf sb1259261 | OG0 |
                                              <u>-Mlei_ML0191.g27.i1 | OG0 |</u>
                                            <sup>100</sup> -Vmul_sbMO403499 | OG0 |
                                            Drygla_Dgla_sb305514 | OG0 |
                                               ⊸Drygla_Dgla_sb305515 | OG0 |
                                             Bolinf_Binf_sb1220671 | OG0 |
                                               Beraby_Baby_sb345261 | OG0 |
                                             <sup>93]</sup>•Bolinf_Binf_sb1220670 | OG0 |
                    •Dgig_XM_028543635.1 | OG0 |
                     •Xesp_020587-T1 | OG0 |
                   •Exapal_XM_021058981.2 | OG0 |
     91
                   -•Nvec_v1g219410 | OG0 |
           100
                <sup>100</sup><sup>1</sup>-Nvec_NVE14720 | OG0 |
                •Spis_XP_022803042_1 | OG0 |
        100
                    •Fspp_ffun1.m4.26298.m1 | OG0 |
                       -Gasp_gasp1.m3.11062.m1 | OG0 |
                   89 Fspp_ffun1.m4.26296.m1 | OG0 |
               88
                      Gfas_gfas1.m1.850.m1 | OG0 |
                        -Adig_XM_015908252.1 | OG0 |
                         Adig_XM_015892986.1 | OG0 |
                     100
                       80<sup>1</sup>-Amil_Amillepora22859-RA | OG0 |
   34
                           •Bralan BLAG02001499 1 | OG0 |
                     •Hsap ENST00000261600 | OG0 |
                                                          Lcom_lcpid162755 | OG0 |
                              Spur XM 030983607.1 | OG0 |
          73
                            Skow XM 006812216.1 | OG0 |
                               •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA184685 | OG0 |
                             •Acagra_model.g7332.t1 | OG0 |
                              Cgig XM 034456742.1 | OG0 |
                                 Cscu XM 023377035.1 | OG0 |
     65
                                      Dpul mRNA23092 | OG0 |
                    93
                                           •Tcas_TC006470_001 | OG0 |
                         •Plajan Pjan C564390 01 | OG0 |
                           •Opea_EP00118_Oscarella_pearsei_P007360 | OG0 |
             100
                     <sup>100</sup> Opea EP00118_Oscarella_pearsei_P007361 | OG0 |
                            •Clacor_Ccor_C520775_01 | OG0 |
                                    Gracom Gcom scaffold10865 01 | OG0 |
                   99
                                       Lcom | lcpid65927 | OG0 |
                                      •Leuniv_Lniv_scaffold14408_01 | OG0 |
          86
                              •Plespi Pspi C613204 01 | OG0 |

    Xestes augustus masked-XT scaffold179149-processed-gene-0.1-mRNA-1 | OG0 |

                                •Halamb c52317 g4 i1m.32724 | OG0 |
             100
                        100
                                   -Aque Aqu2.1.43420 001 | OG0 |
                 99
                             Tetwil_g12119.t1 | OG0 |
                               •Spolac_c99825_g3_i1_m.20682c99825-g2 | OG0 |
                   100
                               Spolac_c99825_g2_i1_m.20681c99825-g2 | OG0 |
                                  Emue Em0020g92a.t1 | OG0 |
                               <sup>1001</sup>⊸Emue Em0020g106a.t1 | OG0 |
0.416667
```