```
Mlei ML1893.g2.i1 | OG0 |
                           •Vmul_sbMO459167 | OG0 |
                     -Mertsp_Mesp_sb591481 | OG0 |
                  <sup>95</sup> Bolinf Binf_sb1239104 | OG0 |
              42
                       Mertsp Mesp sb591466 | OG0 |
         100
                        Mertsp_Mesp_sb591467 | OG0 |
                           Mertsp_Mesp_sb591478 | OG0 |
                         911 Mertsp_Mesp_sb591475 | OG0 |
                         -Bolinf Binf_sb1239106 | OG0 |
                           Mertsp Mesp sb591469 | OG0
                         <sup>76</sup> Mertsp_Mesp_sb591479 | OG0 |
            60
                         Mertsp_Mesp_sb591473 | OG0 |
                           _Mertsp_Mesp_sb591480 | OG0 |
                         621 Mertsp Mesp sb591474 | OG0 |
                   Beraby Baby sb328368 | OG0 |
                <sup>100</sup> Beraby_Baby_sb328369 | OG0 |
                     Mertsp_Mesp_sb591464 | OG0 |
                        Mertsp_Mesp_sb591472 | OG0 |
                          Bolinf_Binf_sb1223335 | OG0 |
                            Bolinf_Binf_sb1223336 | OG0
                              <sub>-</sub>-Bolinf_Binf_sb1286864 | OG0 |
                            <sup>77</sup> Mertsp_Mesp_sb591468 | OG0 |
                          <sub>!</sub>•Pbac_sb2653726 | OG0 |
                       <sup>100</sup>•Horcal_Hcv1.av93.c3.g460.i2 | OG0 |
                                  Drygla_Dgla_sb308372 | OG0
                              Drygla_Dgla_sb308379 | OG0 |
                  65
                                Drygla_Dgla_sb308378 | OG0 |
                              <sup>79</sup> Drygla_Dgla_sb308386 | OG0 |
                    63
                                   <u>•</u>Eupdun_Edun_sb10644230 | OG0 |
                                      Eupdun_Edun_sb10644231 | OG0 |
                                   1001 Eupdun Edun sb10644232 | OG0 |
                             -Lampan_Lpan_9378_01 | OG0 |
                                 •Vmul_sbMO459552 | OG0 |
                                  ┌-Coemet_Cmet_scaffold15835_01 | OG0 |
                               <sup>100</sup> Coeast_Cast_sb807747 | OG0 |
                          •Tcas_TC002339_001 | OG0 |
            95
                       •Dpul_mRNA10864 | OG0 |
                          -Cscu XM 023369045.1 | OG0 |
                           •Acagra_model.g21294.t1 | OG0 |
         100
                                  •Cgig_XM_034447648.1 | OG0 |
                                •Plajan_Pjan_scaffold10344_01 | OG0 |
                           Opea_EP00118_Oscarella_pearsei_P027274 | OG0 |
                   100
                        100
                                 Ocar_g3858 | OG0 |
            82
                100
                                Lcom_lcpid127307 | OG0 |
                                        •Lcom_lcpid232864 | OG0 |
                      100
                                •Leuniv_Lniv_scaffold1368_01 | OG0 |
                                    Gracom_Gcom_scaffold15609_01 | OG0 |
              87
                                    •Scil scict015323.1 | OG0 |
                         •Bralan_BLAG13000212_2 | OG0 |
                               Spur_XM_787514.5 | OG0 |
                     100
                                Skow_XM_006824222.1 | OG0 |
                83
                                 •Hsap_ENST00000260210 | OG0 |
                                           •Tetwil g11374.t1 | OG0 |
                  78
                                      Stycar_maker-SC_scaffold2578-augustus-gene-0.92-mRNA-1 | OG0 |
                         98
                                         •Emue_Em0023g567a.t1 | OG0 |
                                         -Spolac_c94359_g1_i1_m.9980c94359-g1 | OG0 |
                    84
                            66
                                        Xestes_augustus_masked-XT_scaffold5058-processed-gene-0.1-mRNA-1 | OG0 |
                                               •Aque_Aqu2.1.39942_001 | OG0 |
                                  100
                                            -Halamb c48481_g2_i2m.24278 | OG0 |
                                       TrH2 TrispH2 005783-RA | OG0 |
                       89
                                         adh_TriadT28663 | OG0 |
                                        -HoiH23_PIH23_003566-RA | OG0 |
                                 100
                                          Hhon g07929.t1 | OG0 |
                                       <sup>100</sup> HoiH04_mRNA8826 | OG0 |
                                             •Morvir_scaffold180.g31.t1 | OG0 |
                                               •Hvul g23058 1 | OG0 |
                              92
                                          •Sanmal_Sma_001536-T2 | OG0 |
                                              •Aaur_scaffold768.g8.t1 | OG0 |
                                  99
                                                  •Nemnom_g11278.t1 | OG0 |
                                                  •Rhoesc Res_008710-T1 | OG0 |
                                       •Dgig_XM_028557574.1 | OG0 |
                                 100
                                         •Xesp_011465-T1 | OG0 |
                                          •Nvec_v1g165724 | OG0 |
                                           -Spis_XP_022805319_1 | OG0 |
                                       <sup>100</sup><sup>1</sup>-Pocdam_XM_027192615.1 | OG0 |
                               100
                                             Fspp ffun1.m4.19565.m1 | OG0 |
                                    100
                                             •Gasp_gasp1.m3.9186.m1 | OG0 |
                                              •Gfas_gfas1.m1.3009.m1 | OG0 |
                                       56
                                                    •Amil_Amillepora20238-RA | OG0 |
                                                  Adig_XM_015916027.1 | OG0 |
                                                    Amil_Amillepora20250-RA | OG0 |
                                                           •Amil_Amillepora20253-RA | OG0 |
                                              92
                                                    Amil Amillepora20235-RA | OG0
                                                  <sup>67</sup> Amil_Amillepora20255-RA | OG0 |
                                                    Adig XM 015916013.1 | OG0 |
                                                  98 Adig XM 015917686.1 | OG0 |
0.416667
```

•Eupdun_Edun_sb10634244 | OG0 |

0.41000