```
•Spis_XP_022782737_1 | OG0 |
97
                              •Spolac_c98808_g1_i1_m.18056c98150-g2 | OG0 |
                     •Lcom | lcpid224681 | OG3 |
                 Clacor_Ccor_C511997_01 | OG4 |
                Clacor_Ccor_scaffold13961_01 | OG5 |
      98
                  •Clacor_Ccor_C513823_01 | OG2 |
                    •Lcom_lcpid30932 | OG2 |
                      Leuniv_Lniv_scaffold14265_01 | OG2 |
97
              98
                        Gracom_Gcom_scaffold3687_01 | OG2 |
                      •Scil_scict009467.1 | OG2 |
                 •Plajan_Pjan_scaffold23376_01 | OG1 |
                      •Ocar_g8933 | OG1 |
          99
                       Opea_EP00118_Oscarella_pearsei_P012396 | OG1 |
  46
                     <sup>97</sup> Ocar_g4449 | OG1 |
                           •Eupdun Edun sb10610675 | OG1 |
                              •Eupdun_Edun_sb10689450 | OG1 |
                   100
                                     •Eupdun_Edun_sb10603515 | OG1 |
                                  •Vmul_sbMO410932 | OG1 |
                        98
                                     Coeast_Cast_sb793367 | OG1 |
                               100
                                  Toemet_Cmet_scaffold22419_01 | OG1 |
                          25
    74
                                •Lampan_Lpan_11758_01 | OG1 |
                                    Bolinf_Binf_sb1223633 | OG1 |
                                 <sup>1001</sup>Mertsp_Mesp_sb556228 | OG1 |
                            99
                                         <sub>!</sub>Horcal_Hcv1.av93.c2.g920.i1 | OG1 |
                                      <sup>100</sup> Pbac_sb2664727 | OG1 |
                                       •Beraby_Baby_sb347934 | OG1 |
                                        Bolinf_Binf_sb1210161 | OG1 |
                                          <sub>!</sub>Mlei_ML0149.g1.i1 | OG1 |
                                        <sup>100</sup> Vmul_sbMO426689 | OG1 |
      57
                         •Plespi_Pspi_scaffold15172_01 | OG1 |
                         •Tetwil g23801.t1 | OG1 |
                    <sup>98</sup> -Stycar_maker-SC_scaffold2314-snap-gene-0.3-mRNA-1 | OG1 |
             100
                                    •Stycar_maker-SC_scaffold141982-augustus-gene-0.38-mRNA-1 | OG1 |
                 99
                          <sup>991</sup>Stycar_maker-SC_scaffold82033-snap-gene-0.4-mRNA-1 | OG1 |
                             -Spolac_c101011_g1_i2_m.24230c101011-g1 | OG1 |
                              _Emue_Em0017g562a.t1 | OG1
                          100
                                -Spolac_c98128_g1_i1_m.16502c101011-g1 | OG1 |
                              -Xestes_augustus_masked-XT_scaffold1833-processed-gene-0.2-mRNA-1 | OG1 |
                                   •Aque_Aqu2.1.39697_001 | OG1 |
                                     Xestes_maker-XT_scaffold2519-augustus-gene-0.2-mRNA-1 | OG1 |
                                <sup>100</sup><sup>_</sup>-Halamb_c35266_g1_i1mm.367 | OG1 |
                                                         -Lcom_lcpid143527 | OG1 |
        57
                                <sub>"</sub>TrH2_TrispH2_011010-RA | OG1 |
                            <sup>1001</sup>Tadh_TriadT32870 | OG1 |
                 90
                               •HoiH11_mRNA7637 | OG1 |
                          98
                                   rHoiH06_mRNA8440 | OG1 |
                                            -HoiH23_PIH23_011187-RA | OG1 |
                                   96 HoiH23_PIH23_008044-RA | OG1 |
                                   <sub>e</sub>Hhon_g10454.t1 | OG1 |
                                      <sub>]</sub>•Hhon_g10809.t1 | OG1 |
                                   <sup>_____</sup>HoiH04_mRNA12152 | OG1 |
                         •Spur_XM_030993031.1 | OG1 |
           68
                            •Hsap_ENST00000432763 | OG1 |
                             Bralan_BLAG19000593_2 | OG1 |
               85
                      60
                              •Skow_XM_006823942.1 | OG1 |
                              Cgig_XM_011422346.3 | OG1 |
                      100
                             Acagra model.g1330.t1 | OG1 |
                                 •Cscu_XM_023376239.1 | OG1 |
                             Cscu_XM_023376248.1 | OG1 |
                                •Dpul mRNA11967 | OG1 |
                                  •Tcas TC015626 001 | OG1 |
                               •Hvul_g21436_1 | OG1 |
                               951
                                <del>-</del>Hvul_g21437_1 | OG1 |
                   100
                              Morvir scaffold327.g11.t2 | OG1 |
                                  Sanmal Sma 028987-T1 | OG1 |
                     95
                               | Sanmal Sma 022861-T1|OG1
                                  •Aaur_scaffold2.g34.t1 | OG1 |
                          100
                                    Rhoesc Res 003789-T1 | OG1 |
               99
                                      Nemnom g2672.t1 | OG1 |
                                100
                                    <sup>100</sup> Nemnom g14018.t1 | OG1 |
                            -Dgig_XM_028543780.1 | OG1 |
                              -Xesp_021792-T1 | OG1 |
                            •Exapal_XM_021041889.1 | OG1 |
                 100
                              •Nvec v1g101069 | OG1 |
                                •Exapal XM 021041888.2 | OG1 |
                    99
                                           •Nvec v1g171618 | OG1 |
                                  -Fspp_ffun1.m4.595.m1 | OG1 |
                               <sup>991</sup>•Gasp_gasp1.m3.16207.m1 | OG1 |
                                   -Spis_XP_022799172_1 | OG1 |
                                <sup>100</sup>¹•Pocdam XM 027181761.1 | OG1 |
                         100
                                •Gfas gfas1.m1.1106.m1 | OG1 |
                                 -Adig_XM_015910641.1 | OG1 |
                                   -Amil_Amillepora10385-RA | OG1 |
                                     -Adig XM 015895077.1 | OG1 |
```

0.416667