```
•Plespi Pspi C613404 01 | OG0 |
                 •Tetwil g15404.t2 | OG0 |
                                     <sub>!</sub>-Halamb_c54242_g1_i1mm.5773 | OG0 |
          100
                                   <sup>100</sup>•Halamb c54242_g2_i2m.37749 | OG0 |
 100
                      | Xestes maker-XT scaffold5288-augustus-gene-0.62-mRNA-1
             100
                         Aque Aqu2.1.43742 001 | OG0 |
                100
                       •Halamb_c35683_g1_i1m.8868 | OG0 |
       100
                     Spolac_c103039_g1_i2_m.32188c103039-g1 | OG0 |
                  <sup>100</sup>-Spolac_c103039_g1_i3_m.32191c103039-g1 | OG0 |
                      Emue Em0004g997a.t1 | OG0 |
               100
                                    Emue Em0004g994a.t1 | OG0 |
                                       -Emue_Em0004g991a.t1 | OG0 |
          96
                        Stycar_maker-SC_scaffold5415-augustus-gene-0.25-mRNA-1 | OG0 |
                   •Tetwil_g3658.t2 | OG0 |
            100
                               •Tetwil g1439.t2 | OG0 |
                100
                                •Tetwil g7790.t1 | OG0 |
                                  -Tetwil_g10100.t1 | OG0 |
                               <sup>56</sup> -Tetwil_g15856.t1 | OG0 |
                     TrH2 TrispH2 004842-RA | OG0 |
                  <sup>1001</sup>-Tadh_TriadT54975 | OG0 |
                       -HoiH23 PIH23 001297-RA | OG0 |
               100
                     <sub>"</sub>Hhon_g08635.t1 | OG0 |
                     <sup>1001</sup>HoiH04_mRNA14852 | OG0 |
                            •Lampan_Lpan_13963_01 | OG0 |
                                Vmul sbMO439823 | OG0 |
                      95
                                •Coeast_Cast_sb773181 | OG0 |
                             100 Coemet_Cmet_C606158_01 | OG0 |
                              Horcal_Hcv1.av93.c4.g807.i1 | OG0 |
                   100
                                Pbac sb2652646 | OG0 |
                               89<sup>1</sup>•Pbac sb2657671 | OG0 |
                              Bolinf_Binf_sb1186436 | OG0 |
 100
                      100
                           <sup>100</sup> Mertsp_Mesp_sb551073 | OG0 |
                                 <sub>_</sub>Mlei_ML0363.g2.i1 | OG0 |
                              <sup>1001</sup>Vmul_sbMO383535 | OG0 |
                                 Beraby Baby sb344240 | OG0 |
                                    Beraby_Baby_sb344241 | OG0 |
                                 <sup>100</sup> Beraby_Baby_sb344242 | OG0 |
                       -Saldol_EP00054_Salpingoeca_dolichothecata_P012861 | OG0 |
               68
                             •Codhol_EP00042_Codosiga_hollandica_P027990 | OG0 |
                        Didcos_EP00039_Didymoeca_costata_P019349 | OG0 |
                           Diagra_EP00040_Diaphanoeca_grandis_P014766 | OG0 |
                  100
   87
                            Stedip_EP00041_Stephanoeca_diplocostata_P024167 | OG0 |
            100
                     100
                              <sub>-</sub>-Acaspe_EP00035_Acanthoeca_spectabilis_P022471 | OG0 |
                           100<sup>1</sup>-Helnan EP00037_Helgoeca_nana_P012061 | OG0 |
                           Salurc_EP00051_Salpingoeca_urceolata_P027662 | OG0 |
                                  •Mylflu_EP00047_Mylnosiga_fluctuans_P003212 | OG0 |
                             Salmac_EP00052_Salpingoeca_macrocollata_P016328 | OG0 |
                                    -Salpun_EP00053_Salpingoeca_punica_P006918 | OG0 |
                                   Salpun_EP00053_Salpingoeca_punica_P020073 | OG0 |
                 82
                           -Salkve_EP00050_Salpingoeca_kvevrii_P011551 | OG0 |
                                          •Microa_EP00043_Microstomoeca_roanoka_P014204 | OG0 |
                   59
                                          Sros_EGD72072 | OG0 |
                                            •Mbre_EDQ88148 | OG0 |
                           100
                                         ·Choper_EP00045_Choanoeca_perplexa_P014003 | OG0 |
                               100
                                          -Chofle_EP00730_Choanoeca_flexa_P004453 | OG0 |
      88
                       Clacor_Ccor_scaffold14036_01 | OG0 |
                       •Gracom_Gcom_C559126_01 | OG0 |
                         •Scil_scict005039.1 | OG0 |
                           -Lcom_lcpid40612 | OG0 |
                       80 Leuniv Lniv_scaffold23212_01 | OG0 |
          100
                        Opea_EP00118_Oscarella_pearsei_P016747 | OG0 |
                              g/590 | OG0 |
             100
                             •Plajan_Pjan_C558571_01 | OG0 |
                        Plajan Pjan scaffold15220 01 | OG0 |
                               •Plajan_Pjan_C559025_01 | OG0 |
                     Bralan_BLAG10000312_1 | OG0 |
               75
                           •Hsap_ENST00000310301 | OG0 |
                       Skow_XM_006824008.1 | OG0 |
        85
            100
                          Spur XM 030990053.1 | OG0 |
                                   •Cscu XM 023380085.1 | OG0 |
               60
                                      Tcas_TC015204_001 | OG0 |
                                  •Dpul_mRNA21695 | OG0 |
                            ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA174173 | OG0 |
                                 Cgig XM 034454916.1 | OG0 |
                              Acagra_model.g22599.t1 | OG0 |
                                 •Acagra_model.g22597.t1 | OG0 |
          93
                             Hvul g14672 1 | OG0 |
                             -Chem_TCONS_00028160 | OG0 |
                   100
                                 •Hvul_g14671_1 | OG0 |
                100
                         |Sanmal Sma 015846-T1|OG0
                           •Aaur_scaffold660.g3.t1 | OG0 |
                   100
                             •Nemnom_g5542.t1 | OG0 |
                         •Xesp 009797-T1 | OG0 |
                         •Dgig XM 028539832.1 | OG0 |
                  100
                             ·Xesp_009799-T1 | OG0 |
                          •Nvec_v1g184544 | OG0 |
              100
                          Exapal_XM_021052675.2 | OG0 |
                    100
                       <sup>100</sup> Exapal_XM_021049686.1 | OG0 |
                 100
                        •Gfas_gfas1.m1.18264.m1 | OG0 |
                             Amil_Amillepora12361-RA | OG0 |
                    100
                                -Adig_XM_015915947.1 | OG0 |
                               •Spis_XP_022804622_1 | OG0 |
                           <sup>100</sup>-Pocdam XM 027192466.1 | OG0 |
                              •Fspp_ffun1.m4.23334.m1 | OG0 |
                            <sup>78</sup>-Gasp_gasp1.m1b.25229.m1 | OG0 |
0.416667
```