```
•Xesp_011704-T1 | OG0 |
         Dgig XM 028559976.1 | OG0 |
      100 Dgig XM 028560469.1 OG0
         -Exapal_XM_021039217.2 | OG0 |
 99
      -Spis XP 022809337 1 | OG0 |
           100 Pocdam XM 027184953.1 OG0 |
   100
              •Gasp_gasp1.m3.23296.m1 | OG0 |
           <sup>100</sup><sup>-</sup>Fspp_ffun1.m4.14712.m1 | OG0 |
      100
           Gfas gfas1.m1.7328.m1 | OG0 |
                •Amil Amillepora29809-RA | OG0 |
                 Amil_Amillepora14864-RA | OG0 |
               <sup>71</sup> Adig_XM_015923505.1 | OG0 |
                        •Amil_Amillepora29825-RA | OG0 |
                                      Amil Amillepora29806-RA | OG0 |
                                       Amil Amillepora29807-RA | OG0 |
                                      991—•Amil_Amillepora29808-RA | OG0 |
            •Hvul_g32348_1 | OG0 |
      100
             •Chem_TCONS_00064312 | OG0 |
           •Morvir_scaffold122.g41.t1 | OG0 |
   100
             |Sanmal Sma 026668-T2|OG0
              Aaur_scaffold74.g14.t1 | OG0 |
                •Nemnom_g8976.t1 | OG0 |
             •Bralan BLAG04000710 1 | OG0 |
                •Hsap ENST00000262544 | OG0 |
               •Hsap_ENST00000307712 | OG0 |
                Cscu_XM_023366508.1 | OG0 |
                     Cscu XM 023358642.1 | OG0 |
      100
                  •Tcas TC009191 001 | OG0 |
                    Dpul mRNA15360 | OG0 |
                  Spur_XM_030999452.1 | OG0 |
         88
                   Skow XM 006824783.1 | OG0 |
                      Spur_XM_030999144.1 | OG0 |
                  Lcom | lcpid146830 | OG0 |
                      Lcom | lcpid243151 | OG0 |
                     -Cgig XM 011418050.3 | OG0 |
                        ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA163091 | OG0 |
                       -Acagra_model.g2298.t1 | OG0 |
                          •Acagra_model.g28426.t1 | OG0 |
                             -Acagra_model.g28424.t1 | OG0 |
                          <sup>3</sup>└•Acagra_model.g28425.t1 | OG0 |
                                -Lcom_lcpid219413 | OG0 |
                     TrH2_TrispH2_009555-RA | OG0 |
            60
                   <sup>99</sup> Tadh TriadT51161 | OG0 |
                        Hhon_g03112.t1 | OG0 |
                     <sup>100</sup> HoiH04_mRNA13212 | OG0 |
                        <sub>"</sub>HoiH11_mRNA6960 | OG0 |
                          <sub>f</sub>HoiH23_PIH23_007538-RA | OG0 |
                       99<sup>1</sup>•HoiH06 mRNA3019 | OG0 |
   100°
                  Clacor Ccor scaffold1712 01 | OG0 |
        80
                    •Clacor_Ccor_scaffold1713_01 | OG0 |
                     •Clacor_Ccor_scaffold4424_01 | OG0 |
            100
                       Lcom_lcpid39819 | OG0 |
                         Leuniv Lniv scaffold25511 01 | OG0 |
                           Gracom Gcom scaffold8030 01 | OG0 |
                           -Scil_scict020318.2 | OG0 |
          51
                     -Lampan_Lpan_10503_01 | OG0 |
                  <sup>91</sup>Ū-Eupdun_Edun_sb10638171 | OG0 |
                        Eupdun Edun sb10660138 | OG0 |
                         Coeast Cast sb769606 | OG0 |
                           -Coeast_Cast_sb749263 | OG0 |
                          Bolinf_Binf_sb1295864 | OG0 |
                           _Mertsp_Mesp_sb547778 | OG0 |
                         88 Bolinf Binf_sb1305759 | OG0 |
                            •Vmul_sbMO426553 | OG0 |
                               Bolinf Binf sb1257556 | OG0 |
                         100
                                Mertsp_Mesp_sb576322 | OG0 |
                               <sup>89</sup> Bolinf_Binf_sb1257555 | OG0 |
                              Horcal Hcv1.av93.c7.g491.i1 | OG0 |
                            <sup>100</sup> Pbac_sb2649127 | OG0 |
      99
                              Beraby Baby sb348618 | OG0 |
                               Drygla Dgla sb290073 | OG0 |
                                 Drygla_Dgla_sb290074 | OG0 |
                                   <u>-</u>Drygla_Dgla_sb290076 | OG0 |
                                 •Plespi_Pspi_C612808_01 | OG0 |
                     <sub>|</sub>-Aque_Aqu2.1.06010_001 | OG0 |
                       -Aque Aqu2.1.12322 001 | OG0 |
                     <sup>991</sup>•Aque Aqu2.1.12321_001 | OG0 |
                99
                     •Aque_Aqu2.1.44101_001 | OG0 |
          100
                       <sub>"</sub>Halamb_c49780_g1_i2mm.3226 | OG0 |
                        Halamb_c54860_g1_i1mm.6198 | OG0 |
                       <sup>55</sup> Halamb_c55275_g2_i1m.40436 | OG0 |
                      Spolac c103404 g2 i4 m.34073c103404-g2 | OG0 |
                    90
                                         •Spolac_c80921_g1_i1_m.2740c80921-g1 | OG0 |
                       -Emue_Em0019g654a.t1 | OG0 |
                        <sub>-</sub>-Spolac_c103404_g3_i3_m.34075c103404-g2 | OG0 |
                      98<sup>1</sup>Spolac_c103404_g3_i1_m.34074c103404-g2 | OG0 |
                     •Tetwil g4820.t2 | OG0 |
                         rStycar_maker-SC_scaffold63697-snap-gene-0.4-mRNA-1 | OG0 |
        70
                           Stycar_maker-SC_scaffold86378-augustus-gene-0.57-mRNA-1 | OG0 |
                       98
                         <sup>64</sup>└-Stycar_maker-SC_scaffold102399-augustus-gene-0.3-mRNA-1 | OG0 |
                   91
                         Stycar_maker-SC_scaffold66572-augustus-gene-0.8-mRNA-1 | OG0 |
                         Stycar maker-SC scaffold2363-snap-gene-0.16-mRNA-1 | OG0 |
                        <sup>97</sup> Stycar_maker-SC_scaffold86378-snap-gene-0.67-mRNA-1 | OG0 |
                   •Plajan_Pjan_scaffold2571_01 | OG0 |
                   Opea EP00118 Oscarella pearsei P025489 | OG0 |
             96
                      Ocar g252 | OG0 |
                    •Mylflu EP00047 Mylnosiga_fluctuans_P003074 | OG0 |
                         Salpun_EP00053_Salpingoeca_punica_P011142 | OG0 |
          83
                         Salmac_EP00052_Salpingoeca_macrocollata_P030907 | OG0 |
                        Lcom_lcpid237293 | OG0 |
                            Lcom | lcpid137217 | OG0 |
                    37
                             Lcom | lcpid168741 | OG0 |
             100
                                    Salinf_EP00049_Salpingoeca_infusionum_P000330 | OG0 |
                                    •Microa_EP00043_Microstomoeca_roanoka_P012776 | OG0 |
                        97
                             100
                                    Sros EGD80943 | OG0 |
                          100
                                   Mbre EDQ92266 | OG0 |
                                    Choper_EP00045_Choanoeca_perplexa_P008156 | OG0 |
                             100
               83
                                      Chofle_EP00730_Choanoeca_flexa_P005228 | OG0 |
                                   1001-Chofle EP00730 Choanoeca flexa P005229 | OG0 |
                         ·Saldol_EP00054_Salpingoeca_dolichothecata_P019427 | OG0 |
                            Didcos EP00039 Didymoeca costata P018794 | OG0 |
                                Diagra EP00040 Diaphanoeca grandis P001596 | OG0 |
                      100
                                Stedip_EP00041_Stephanoeca_diplocostata_P017970 | OG0 |
                         100
                                  <sub>-</sub>Acaspe_EP00035_Acanthoeca_spectabilis_P020937 | OG0 |
                  68
                               <sup>100</sup><sup>1</sup>•Helnan_EP00037_Helgoeca_nana_P032315 | OG0 |
                            •Lcom lcpid238715 | OG0 |
                         Salkve_EP00050_Salpingoeca kvevrii P010416 | OG0 |
                           Salurc EP00051 Salpingoeca urceolata P027681 | OG0 |
                    86
                            ·Codhol_EP00042_Codosiga_hollandica_P057174 | OG0 |
                              Codhol EP00042 Codosiga hollandica P057176 | OG0 |
                                         <sub>-</sub>-Codhol_EP00042_Codosiga_hollandica_P057173 | OG0 |
                            94
                                      <sup>1001</sup>-Codhol_EP00042_Codosiga_hollandica_P057175 | OG0 |
├────
0.416667
```