```
•Nvec v1g170702 | OG0 |
                    •Vmul sbMO395255 | OG0 |
            •Eupdun Edun sb10639191 | OG0 |
 80
               •Coeast_Cast_sb782666 | OG0 |
               Coemet Cmet scaffold18128 01 | OG0 |
   66
                       Beraby Baby sb323138 | OG0 |
                    <sup>100</sup> Beraby_Baby_sb323139 | OG0 |
      100
                              -Drygla_Dgla_sb278128 | OG0 |
                  •Horcal Hcv1.av93.c6.g304.i1 | OG0 |
         90
                    Pbac sb2659904 | OG0 |
                  <sup>99</sup> Pbac sb2644037 | OG0 |
           93
                  -Lampan_Lpan_6566_01 | OG0 |
                    <sub>f</sub>Bolinf_Binf_sb1263828 | OG0 |
                 <sup>100</sup> Mertsp_Mesp_sb576284 | OG0 |
                    •Mlei_ML3759.g13.i1 | OG0 |
                        •Mlei ML3759.g11.i1 | OG0 |
                   <sup>100</sup> Vmul_sbMO451995 | OG0 |
             •Fspp_ffun1.m4.10204.m1 | OG0 |
              •Gfas_gfas1.m1.15971.m1 | OG0 |
                 •Amil Amillepora14297-RA | OG0 |
                 Amil Amillepora14299-RA | OG0 |
                  -Adig_XM_015922573.1 | OG0 |
                •Exapal_XM_021044874.2 | OG0 |
                 Spis_XP_022799157_1 | OG0 |
                -Pocdam XM 027187679.1 | OG0 |
                  Gasp gasp1.m3.4446.m1 | OG0 |
                   Fspp ffun1.m4.10203.m1 | OG0 |
   63
                Opea_EP00118_Oscarella_pearsei_P024494 | OG0 |
         98
                 Plajan_Pjan_C545289_01 | OG0 |
                       •Hsap ENST00000219409 | OG0 |
       90
                     •Hsap ENST00000228945 | OG0 |
            100
                            -Hsap_ENST00000583868 | OG0 |
                •Spur_NM_001242655.1 | OG0 |
                  •Dgig_XM_028539724.1 | OG0 |
         100
                   •Xesp 018610-T1 | OG0 |
                       ·Clacor Ccor scaffold905 01 | OG0 |
                     •Lcom_lcpid110760 | OG0 |
                  <sup>100]</sup>Scil _scict008790.1 | OG0 |
             93
                      •Gracom_Gcom_scaffold17001_01 | OG0 |
       91
                     Leuniv_Lniv_scaffold21606 01 | OG0 |
                        Lcom_lcpid116672 | OG0 |
                          Lcom_lcpid111880 | OG0 |
                             •Gracom_Gcom_scaffold11683_01 | OG0 |
                             •Scil_scict016173.1 | OG0 |
         79
                      •Plespi_Pspi_scaffold12954_01 | OG0 |
                     •Emue_Em0020g1010a.t1 | OG0 |
                      Spolac c28978 g1 i1 m.637c28978-g1 | OG0 |
                 100
                        Spolac_c80891_g1_i1_m.2729c80891-g1 | OG0 |
                      80 Spolac_c80891_g1_i2_m.2730c80891-g1 | OG0 |
                        <sup>11</sup>Spolac_c80891_g1_i3_m.2731c80891-g1 | OG0 |
           99
                     •Tetwil g13828.t2 | OG0 |
 80
                        Tetwil_g13827.t2 | OG0 |
                100
                     <sup>100</sup> Tetwil_g19419.t1 | OG0 |
             99
                      -Xestes_maker-XT_scaffold3161-augustus-gene-0.23-mRNA-1 | OG0 |
                       Aque Aqu2.1.15179_001 | OG0 |
                         •Halamb c29759 g1 i1m.6050 | OG0 |
                          •Halamb_c43544_g1_i1m.16307 | OG0 |
            +HoiH11 mRNA237 | OG0 |
                <sub>•</sub>Hhon_g10854.t1 | OG0 |
             <sup>1001</sup>-HoiH04_mRNA644 | OG0 |
                ·HoiH23 PIH23 009248-RA | OG0 |
                  TrH2_TrispH2_004182-RA | OG0 |
                 13
               Skow_XM_002731601.2 | OG0 |
         65
                               •Plespi_Pspi_C574750_01 | OG0 |
                        Lcom | lcpid135096 | OG0 |
       63
                   Cgig_XM_011430937.3 | OG0 |
         65
                           Acagra_model.g2794.t1.1.5d3b81ed | OG0 |
                       90
                    Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA121631 | OG0 |
                           •Clacor Ccor_C524495_01 | OG0 |
             89
                              •Lcom_lcpid40574 | OG0 |
                        •Tcas_TC006730_002 | OG0 |
                           •Dpul_mRNA4693 | OG0 |
                  100
   50
                           Cscu XM 023387382.1 | OG0 |
                               -Cscu XM_023387383.1 | OG0 |
                     •Bralan_BLAG19000774_1 | OG0 |
                  •Bralan_BLAG09000393_1 | OG0 |
            <sup>100</sup><sup>1</sup>-Bralan_BLAG09000394_1 | OG0 |
                  •Morvir_scaffold587.g5.t1 | OG0 |
       68
                       •Hvul_g21983_1 | OG0 |
                      Chem_TCONS_00063359 | OG0 |
         85
             100
                    TrH2 TrispH2 004183-RA | OG0 |
                 <sup>100</sup> Tadh _TriadT20518 | OG0 |
                    Rhoesc Res 014381-T1 | OG0 |
     56
                     Nemnom g14996.t1 | OG0 |
                  <sup>100</sup> Nemnom_g15581.t1 | OG0 |
                •HoiH23_PIH23_003135-RA | OG0 |
                           •HoiH06_mRNA14710 | OG0 |
                  <sub>•</sub>Hhon_g11814.t1 | OG0 |
                     •HoiH04_mRNA4491 | OG0 |
                        •Acaspe_EP00035_Acanthoeca_spectabilis_P035312 | OG0 |
       73
                      Diagra_EP00040_Diaphanoeca_grandis_P038304 | OG0 |
                        .com | cpid143409 | OG0 |
         97
                        Stedip_EP00041_Stephanoeca_diplocostata_P001611 | OG0 |
                         •Lcom_lcpid174704 | OG0 |
           89
                         Lcom_lcpid132436 | OG0 |
                        | Saldol_EP00054_Salpingoeca_dolichothecata_P003711 | OG0
             78
                   92
                             Didcos EP00039 Didymoeca costata P018135 | OG0 |
                          Salpun_EP00053_Salpingoeca_punica_P005365 | OG0 |
                          Salmac_EP00052_Salpingoeca_macrocollata_P034374 | OG0 |
                         Salurc_EP00051_Salpingoeca_urceolata_P026291 | OG0 |
                         •Mylflu_EP00047_Mylnosiga_fluctuans_P001507 | OG0 |
                           -Salkve_EP00050_Salpingoeca_kvevrii_P005757 | OG0 |
                 65
                             -Codhol_EP00042_Codosiga_hollandica_P022932 | OG0 |
                              •Microa EP00043 Microstomoeca roanoka P012387 | OG0 |
                   43
                              •Sros EGD83562 | OG0 |
                             Choper_EP00045_Choanoeca_perplexa_P021943 | OG0 |
                      100
                                     Chofle EP00730_Choanoeca_flexa_P018977 | OG0 |
                         100
                                     -Mbre EDQ89703 | OG0 |
                                   Chofle EP00730_Choanoeca_flexa_P018978 | OG0 |
                               Chofle EP00730 Choanoeca flexa P018979 | OG0 |
.
0.416667
```