```
94
         100
             100
                   100
       63
                  100
           99
 94
              93
                     100
                 83
                    91
                   100
             100
                 86
                     100
    62
                         100
          81
                    100
                100
                       88
       40
                    93
                               100
                       39
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0.416667
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•Lcom\_lcpid137796 | OG0 | •Plajan\_Pjan\_scaffold8262\_01 | OG0 | •Ocar\_g7479 | OG0 | Opea\_EP00118\_Oscarella\_pearsei\_P015929 | OG0 | Opea\_EP00118\_Oscarella\_pearsei\_P015926 | OG0 | <sup>94</sup> Ocar\_g133 | OG0 | <sub>.</sub> HoiH23\_PIH23\_000187-RA | OG1 | <sup>68</sup>-HoiH06\_mRNA9968 | OG1 | <sub>e</sub>Hhon\_g04315.t1 | OG1 | <sup>1001</sup>HoiH04\_mRNA10869 | OG1 | •HoiH11 mRNA6681 | OG1 | TrH2\_TrispH2\_001116-RA | OG1 | <sub>\*</sub>Tadh\_TriadT25083 | OG1 | Clacor Ccor C542225 01 | OG1 | Lcom | lcpid21299 | OG1 | •Leuniv\_Lniv\_scaffold3470\_01 | OG1 | •Gracom\_Gcom\_scaffold8854\_01 | OG1 | •Plespi Pspi scaffold6641 01 | OG1 | •Emue\_Em0016g397a.t1 | OG1 | •Spolac\_c102389\_g2\_i1\_m.29124c102389-g1 | OG1 | r•Emue\_Em0016g398a.t1 | OG1 | <sub>f</sub>Spolac\_c102389\_g1\_i1\_m.29120c102389-g1 | OG1 | <sup>991</sup>Spolac\_c102389\_g1\_i2\_m.29123c102389-g1 | OG1 | •Xestes\_maker-XT\_scaffold4322-snap-gene-0.19-mRNA-1 | OG1 | Xestes\_maker-XT\_scaffold21457-augustus-gene-0.3-mRNA-1 | OG1 | -Halamb\_c56387\_g1\_i1mm.7131 | OG1 | •Aque\_Aqu2.1.30031\_001 | OG1 | •Tetwil g10697.t2 | OG1 | •Stycar maker-SC scaffold120242-augustus-gene-0.2-mRNA-1 | OG1 | Stycar maker-SC scaffold91463-snap-gene-0.3-mRNA-1 | OG1 | rStycar\_maker-SC\_scaffold4136-augustus-gene-0.125-mRNA-1 | OG1 | Stycar maker-SC scaffold6946-augustus-gene-0.53-mRNA-1 | OG1 | Chem\_TCONS\_00063932 | OG1 | •Hvul g16031 1 | OG1 | Morvir scaffold148.g29.t1 | OG1 | Sanmal Sma 011114-T1 | OG1 | -Aaur\_scaffold6376.g1.t1 | OG1 | <sup>1001</sup>Aaur \_scaffold2044.g3.t2 | OG1 | Aaur scaffold2044.g2.t1 | OG1 | -Nemnom\_g7346.t1 | OG1 | <sup>100</sup> Rhoesc\_Res\_000359-T1 | OG1 | •Xesp\_014172-T1 | OG1 | Dgig\_XM\_028549799.1 | OG1 | •Xesp 014173-T1 | OG1 | •Exapal\_XM\_021059446.2 | OG1 | •Nvec\_v1g237840 | OG1 | •Gfas\_gfas1.m1.8957.m1 | OG1 | -Fspp\_ffun1.m4.20751.m1 | OG1 | Gfas\_gfas1.m1.23745.m1 | OG1 | <sub>\*</sub>Adig\_XM\_015924161.1 | OG1 | •Amil\_Amillepora17832-RA | OG1 | Adig XM 015906567.1 | OG1 | <sup>99</sup> Gfas gfas1.m1.9167.m1 | OG1 | •Fspp\_ffun1.m2b.25518.m1 | OG1 | -Fspp ffun1.m4.20758.m1 | OG1 | <sup>93]</sup>-Gasp\_gasp1.m3.12534.m1 | OG1 | •Gfas gfas1.m1.9165.m1 | OG1 | -Spis XP 022785746 1 | OG1 | 95 Pocdam XM\_027197392.1 | OG1 | gasp1.m3.12537.m1 | OG1 | •Amil\_Amillepora17835-RA | OG1 | -Amil Amillepora17840-RA | OG1 | 80 Adig XM 015916914.1 | OG1 | Lcom lcpid243257 | OG1 | •Bralan\_BLAG05000838\_1 | OG1 | Skow XM 002735197.2 | OG1 | Spur XM 780971.5 | OG1 | +Hsap ENST00000357450 | OG1 | -Hsap\_ENST00000322213 | OG1 | Lcom Icpid218124 | OG1 | Caia XM 034450984.1 | OG1 | Acagra model.g7718.t1 | OG1 | •Cscu XM 023388735.1 | OG1 | -Cscu\_XM\_023370322.1 | OG1 | •Tcas\_TC005672\_001 | OG1 | •Dpul mRNA13827 | OG1 | •Dpul mRNA11181 | OG1 | 100 •Dpul mRNA24416 | OG1 | 98 Dpul\_mRNA11669 | OG1 | -Dpul mRNA7944 | OG1 | <sup>91</sup> Dpul\_mRNA13993 | OG1 | •Lcom lcpid216117 | OG1 | -Lcom\_lcpid161025 | OG1 | Pbac\_sb2661916 | OG1 | <sup>100</sup> Horcal\_Hcv1.av93.c8.g617.i1 | OG1 | Drygla Dgla sb293858 | OG1 | •Lampan\_Lpan\_C420609\_01 | OG1 | Vmul\_Simscaffold15761\_01 | OG1 | Coemet\_Cmet\_scaffold21744\_01 | OG1 | Coeast Cast sb798595 | OG1 | Coeast Cast sb798598 | OG1 | 95 Coeast Cast sb798597 | OG1 | Mertsp\_Mesp\_sb589435 | OG1 | <sup>1001</sup>Bolinf\_Binf\_sb1240204 | OG1 | •Mlei ML0702.g63.i1 | OG1 | -Beraby Baby sb344786 | OG1 | <sup>891</sup>-Bolinf Binf\_sb1313344 | OG1 | •Bolinf\_Binf\_sb1219178 | OG1 | Mertsp\_Mesp\_sb550835 | OG1 | 801-Mertsp\_Mesp\_sb550836 | OG1 | Vmul sbMO419233 | OG1 | Bolinf\_Binf\_sb1231447 | OG1 | Bolinf\_Binf\_sb1231446 | OG1 | 931 Mertsp Mesp\_sb565537 | OG1 |