

65 Horcal_Hcv1.av93.c2.g999.i2 | OG0 | •Plajan_Pjan_scaffold20876_01 | OG0 | Opea EP00118 Oscarella pearsei P004383 | OG0 | Ocar g3447 | OG0 | ¹⁰⁰lOpea_EP00118_Oscarella_pearsei_P004385 | OG0 | •Plespi_Pspi_scaffold16233_01 | OG0 | •Tetwil g26734.t2 | OG0 | Xestes maker-XT scaffold13524-snap-gene-0.70-mRNA-1 | OG0 | •Aque_Aqu2.1.24511_001 | OG0 | •Halamb_c17135_g1_i1m.2937 | OG0 | _!Spolac_c103396_g1_i1_m.34029c103396-g1 | OG0 | ^{99]}Spolac_c103396_g1_i2_m.34031c103396-g1 | OG0 | Emue Em0674g7a.t1 | OG0 | Emue_Em0010g42a.t1 | OG0 | Emue Em0010g78a.t1 | OG0 | ⁶⁴¹•Emue_Em0648g7a.t1 | OG0 | Tadh_TriadT9318 | OG0 | TrH2 TrispH2 000838-RA | OG0 | •HoiH11_mRNA4035 | OG0 | _fHoiH23_PIH23_010589-RA | OG0 | ^{94]}-HoiH06 mRNA14511 | OG0 | Hhon g08110.t1 | OG0 | ¹⁰⁰ HoiH04 mRNA10990 | OG0 | Leuniv Lniv C799416 01 | OG0 | •Gracom_Gcom_scaffold18047_01 | OG0 | •Scil scict002636.2 | OG0 | Gracom Gcom C549922 01 | OG0 | -Lcom_lcpid52135 | OG0 | •Leuniv_Lniv_scaffold20610_01 | OG0 | Skow_XM_006813370.1 | OG0 | •Spur_XM_030973170.1 | OG0 | •Hsap ENST00000420428 | OG0 | •Hsap_ENST00000292672 | OG0 | •Hsap_ENST00000290583 | OG0 | Hsap_ENST00000287202 | OG0 | ¹⁰⁰ Hsap ENST00000569547 | OG0 | •Bralan_BLAG19000228_1 | OG0 | •Cgig_XM_034461575.1 | OG0 | •Cscu_XM_023368930.1 | OG0 | Cscu XM 023380336.1 | OG0 | Tcas TC031941 003 | OG0 | 95 Dpul_mRNA27493 | OG0 | •Dpul mRNA27313 | OG0 | •Tcas_TC031942_001 | OG0 | Cscu XM 023381035.1 | OG0 | •Cscu XM 023378265.1 | OG0 | 98 Cscu_XM_023381034.1 | OG0 | --Pbac_sb2639985 | OG1 | <u>-</u>Opea_EP00118_Oscarella_pearsei_P006975 | OG1 | Plajan Pjan scaffold1167 01 | OG1 | _[Plajan_Pjan_scaffold1169_01 | OG1 | ¹¹Plajan_Pjan_scaffold1168_01 | OG1 | Codhol EP00042 Codosiga hollandica P040435 | OG1 | Codhol EP00042 Codosiga hollandica P016108 | OG1 | •Salmac_EP00052_Salpingoeca_macrocollata_P007490 | OG1 | Salpun_EP00053_Salpingoeca_punica_P016345 | OG1 | •Mylflu_EP00047_Mylnosiga_fluctuans_P014138 | OG1 | Saldol_EP00054_Salpingoeca_dolichothecata_P020934 | OG1 | _'Salurc_EP00051_Salpingoeca_urceolata_P013614 | OG1 | Salurc_EP00051_Salpingoeca_urceolata_P013613 | OG1 | •Salurc_EP00051_Salpingoeca_urceolata_P013615 | OG1 | •Mylflu_EP00047_Mylnosiga_fluctuans_P002853 | OG1 |

Salmac_EP00052_Salpingoeca_macrocollata_P000311 | OG1 | -Salinf_EP00049_Salpingoeca_infusionum_P024581 | OG1 | •Microa_EP00043_Microstomoeca_roanoka_P001363 | OG1 | •Sros_EGD72299 | OG1 | •Mbre_EDQ89884 | OG1 | Chofle_EP00730_Choanoeca_flexa_P006401 | OG1 | •Choper_EP00045_Choanoeca_perplexa_P003756 | OG1 | Horcal_Hcv1.av93.c5.g79.i1 | OG2 | ^[100]Pbac_sb2665359 | OG2 | •Vmul_sbMO427600 | OG2 | Beraby_Baby_sb336578 | OG2 | Drygla_Dgla_sb297054 | OG2 | ⁹⁹¹•Drygla_Dgla_sb297055 | OG2 | Drygla_Dgla_sb297050 | OG2 | Drygla_Dgla_sb297053 | OG2 | <mark>86¹</mark>Drygla_Dgla_sb297052 | OG2 | •Dgig_XM_028552581.1 | OG2 | •Xesp_008387-T1 | OG2 | **-**Morvir_scaffold336.g15.t2 | OG2 | •Hvul_g4502_1 | OG2 | •Chem_TCONS_00054032 | OG2 | Sanmal_Sma_017595-T1 | OG2 | •Nemnom_g8498.t1 | OG2 | ¹⁰⁰1•Rhoesc_Res_002288-T1 | OG2 | •Exapal_XM_021045146.1 | OG2 | -Nvec_v1g140278 | OG2 | ¹⁰⁰ Nvec_v1g230447 | OG2 | _"Spis_XP_022786503_1 | OG2 |

¹⁰⁰¹-Pocdam_XM_027189848.1 | OG2 | •Gasp_gasp1.m3.10438.m1 | OG2 | Fspp ffun1.m4.24591.m1 | OG2 | •Gfas_gfas1.m1.7159.m1 | OG2 | Amil Amillepora04950-RA | OG2 |

¹⁰⁰¹-Adig_XM_015901710.1 | OG2 | •Tetwil_g15193.t1 | OG2 | •Aque_Aqu2.1.41622_001 | OG2 | ¹⁰⁰¹•Halamb_c39170_g1_i2mm.675 | OG2 | •Tetwil_g15338.t1 | OG2 | _!Stycar_maker-SC_scaffold144692-augustus-gene-0.196-mRNA-1 | OG2 | ¹⁰⁰¹-Stycar_maker-SC_scaffold35003-augustus-gene-0.12-mRNA-1 | OG2 | |Spolac=c102243_g1_i3_m.28514c102243-g1 | OG2 | |Spolac_c102243_g1_i1_m.28512c102243-g1 | OG2 | ^{88]}Spolac_c102243_g1_i5_m.28516c102243-g1 | OG2 | _'Spolac_c102243_g1_i4_m.28515c102243-g1 | OG2 | ²⁰¹Spolac_c102243_g1_i2_m.28513c102243-g1 | OG2 | Spur_XM_030988372.1 | OG2 |

•Skow_XM_006818347.1 | OG2 | Bralan BLAG18000834_1 | OG2 | •Hsap_ENST00000531165 | OG2 |

-Hsap_ENST00000632065 | OG2 | Cscu_XM_023384851.1 | OG2 | scu XM 023367375.1 | OG2 | Dpul_mRNA29141 | OG2 | •Tcas_TC012080_001 | OG2 | Coeast Cast sb757776 | OG2 | com_lcpid231922 | OG2 | com_lcpid202803 | OG2 | | lcpid166564 | OG2 Cgig_XM_020065691.2 | OG2 | Acagra model.g3735.t1 | OG2 | Coeast Cast sb769583 | OG2 | Lcom | lcpid133418 | OG2 | ^{99]}-Lcom_lcpid132206 | OG2 | -Lcom_lcpid163410 | OG2 | Lcom | lcpid146242 | OG2 | ⁹⁷Lcom | lcpid144442 | OG2 |