>Ppa\_SPO-11

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>Cele\_SPO-11

MYEYSFNPNIDHEPGSVESQQSTIYSDSDDSDDSFLDDEVIPPKEQAMRKIEFALADIKRQMDNKEKSLTLRISTSKSHFCLRYTAKRKGKLDRDLHCLHQVYDLLENDKRSTKRELYYEHKAVYGNQKYLDSSIKSICELLNESRANLNILSCGRGIIRGAITFLVENVGVIDARVQEVLITDALLFSNIISEADFILVVEKDTTFQKLMDENFQAMFPRGILATSKGYPDIATRNVLKMLSEKRKFPIYGLFDADPHGIEIYLTYKYGPTKEFAEGRGAFVPTIEWIGLFPTDFHRFTIDQSQCLPLVRTDFVKIEKMIPRSIQLGEIVVTRELDWMIQNKFKMELESINMCGQEYMARFLIAPRVMSIEKEIPIQPETIINEYHEDSQCSLSTDDDREAKDDDYIDSDAEEKFQNMIDNDSD

>Hsap\_SPO11

MAFAPMGPEASFFDVLDRHRESLLAALRRGGREPPTGGSRLASSSEVLASIENIIQDIITSLARNEAPAFTIDNRSSWENIKFEDSVGLQMVSHCTTRKIKSDSPKSAQKFSLILKILSMIYKLVQSNTYATKRDIYYTDSQLFGNQTVVDNIINDISCMLKVSRRSLHILSTSKGLIAGNLRYIEEDGTKVNCTCGATAVAVPSNIQGIRNLVTDAKFVLIVEKDATFQRLLDDNFCNKLSPCIMITGKGVPDLNTRLLVKKLWDTFHVPVFTLVDADPHGIEIMCIYKYGSMSMSFEAHHLTVPAIRWLGLLPSDLKRLNVPKDSLIPLTKRDQMKLDSILRRPYVTCQPFWRKEMEIMADSKMKAEIQALTFLSSDYLSRVYLPNKLKFGGWI

>Mmus\_Spo11

MAFAPMGPEASFFDALDRHRASLLAMVKRGAGETPAGATRVASSSEVLTAIENIIQDIIKSLARNEVPAFTIDNRSSWENIMFDDSVGLRMIPQCTTRKIRSDSPKSVKKFALILKVLSMIYKLIQSDTYATKRDIYYTDSQLFGNQAAVDSAIDDISCMLKVPRRSLHVLSTSKGLIAGNLRYMEEDGTRVQCTCSATATAVPTNIQGMQHLITDAKFLLIVEKDATFQRLLDDNFCSRMSPCIMVTGKGVPDLNTRLLVKKLWDTFHIPVFTLVDADPYGIEIMCIYKYGSMSMSFEAHNLTIPTIRWLGLLPSDIQRLNIPKDSLIPLTKHDQMKLDSILKRPYITYQPLWKKELEMMADSKMKAEIQALTLLSSDYLSRVYLPNKLRFGGWI

>Athal\_Spo11-1

MEGKFAISESTNLLQRIKDFTQSVVVDLAEGRSPKISINQFRNYCMNPEADCLCSSDKPKGQEIFTLKKEPQTYRIDMLLRVLLIVQQLLQENRHASKRDIYYMHPSAFKAQSIVDRAIGDICILFQCSRYNLNVVSVGNGLVMGWLKFREAGRKFDCLNSLNTAYPVPVLVEEVEDIVSLAEYILVVEKETVFQRLANDMFCKTNRCIVITGRGYPDVSTRRFLRLLMEKLHLPVHCLVDCDPYGFEILATYRFGSMQMAYDIESLRAPDMKWLGAFPSDSEVYSVPKQCLLPLTEEDKKRTEAMLLRCYLKREMPQWRLELETMLKRGVKFEIEALSVHSLSFLSEVYIPSKIRREVSSP

>Athal\_Spo11-2

MEESSGLSSMKFFSDQHLSYADILLPHEARARIEVSVLNLLRILNSPDPAISDLSLINRKRSNSCINKGILTDVSYIFLSTSFTKSSLTNAKTAKAFVRVWKVMEICFQILLQEKRVTQRELFYKLLCDSPDYFSSQIEVNRSVQDVVALLRCSRYSLGIMASSRGLVAGRLFLQEPGKEAVDCSACGSSGFAITGDLNLLDNTIMRTDARYIIIVEKHAIFHRLVEDRVFNHIPCVFITAKGYPDIATRFFLHRMSTTFPDLPILVLVDWNPAGLAILCTFKFGSIGMGLEAYRYACNVKWIGLRGDDLNLIPEESLVPLKPKDSQIAKSLLSSKILQENYIEELSLMVQTGKRAEIEALYCHGYNYLGKYIATKIVQGKYI

>Scer\_Spo11

MALEGLRKKYKTRQELVKALTPKRRSIHLNSNGHSNGTPCSNADVLAHIKHFLSLAANSLEQHQQPISIVFQNKKKKGDTSSPDIHTTLDFPLNGPHLCTHQFKLKRCAILLNLLKVVMEKLPLGKNTTVRDIFYSNVELFQRQANVVQWLDVIRFNFKLSPRKSLNIIPAQKGLVYSPFPIDIYDNILTCENEPKMQKQTIFPGKPCLIPFFQDDAVIKLGTTSMCNIVIVEKEAVFTKLVNNYHKLSTNTMLITGKGFPDFLTRLFLKKLEQYCSKLISDCSIFTDADPYGISIALNYTHSNERNAYICTMANYKGIRITQVLAQNNEVHNKSIQLLSLNQRDYSLAKNLIASLTANSWDIATSPLKNVIIECQREIFFQKKAEMNEIDARIFEYK

>Spom\_Rec12

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>Dmel\_MEI-W68

MDEFSENIERIALELLSNLVHGNATLSVPRNSSGNVISEYRRVSYNNRGSRHSFCVLIYMLSRVHRLQVRGGSFTVRGLYYDNPLLVRSQSRIAEARLDVCRMLRTSPLSLGILAASKGLVAGDLRLLMTNGDVLDSSLYGGPLTLPTDPEKIDRIETLAEFVLIVEKESVFESLLSRNVFGTFERRFILITGKGYPDCCTRRIVHRLTEENQLAAYILVDADPFGVEIMLVYRHGSKSMSFSSQGLTTPALRWIGLHPSEIPALGTGAVALVAGDNKKINDLLARHDLEPGVRQELRMLQDVQLKAEIESVIDFLTDDYIPNKINRNLFL