

		1	55
Copy of hum pol gamma aa seq	(1)	-MSRLLWRKVAGATVGP GPVPAP GRWVSSSV PASD PSDG QRRRQQ QQQQQQQQQQ	
Pan troglodytes (chimpanzee)	(1)	-MSRLLWRKVAGATVGP GPVPAP GRWVSSSV PASD PSDG QRRRQQ QQQQQPQQ--	
mus pol gamma	(1)	-MSRLLWKKVAGAKVAS GPVPATARWVSSSV LDPV PSDGR-----	
rat pol gamma	(1)	-MSRLLWKKVAGAKVAS GPVPATGRWVSSSV LDPV PSDGQ-----	
Copy of Xenopus pol gamma	(1)	-MNRLIQKGTSLVPSWRTRGCRYRRC SYAPQLHAKPLEMETS-----	
S. pombe pol gamma	(1)	-MFYKACPSTLTCSKWIHS LIKTKKFLYCRHYSSK-----SFIDNAP-----	
Copy of scyeast pol gamma mip1	(1)	-MTKLMVRSECMLRMVRRRPLRVQFCARWFS TKKNTAEAP-----	
Copy of Neurospora pol gamma	(1)	MLTPVRCRTVPNATVATAARVLRRLANLFSRYPRQLGHLRW DSTIAQVLE-----	
		56	110
Copy of hum pol gamma aa seq	(55)	QPQQPQVLSSEGGQLRHNP LDIQMLSRGLHEQIFGQ---GGEMPGEAAVRRSVE	
Pan troglodytes (chimpanzee)	(53)	-PQQPQVLSSEGGQPRHNP LDIQMLSRGLHEQIFGQ---GGEMPGEAAVRRSVE	
mus pol gamma	(40)	--PPSQMPSSSENGQLRLNPL LIQMLSRGLHEQIFGC---GGEMPDEAAVQRSVE	
rat pol gamma	(40)	--PQSQMPSSSENGQLRLNPL LIQMLSRGLHEQIFGC---GGDVPDEAAVQRSIE	
Copy of Xenopus pol gamma	(42)	-----QRRMNPLNIQMLSKGFHEQIFRG---KQVQHAEEDVQRSIT	
S. pombe pol gamma	(42)	-----LRINPVGVOYLSPALQNOVFPQ---QNTQISQLHLDLAKF	
Copy of scyeast pol gamma mip1	(40)	-----RINPVGIQYLGESLQRQVFGSCGGKDEVEQSDKLMELSKK	
Copy of Neurospora pol gamma	(50)	----RKGLGVPS-TARHNEIGVQQLSEHLYKQLFPRG---NTDPPAPELLELAKD	
		111	165
Copy of hum pol gamma aa seq	(106)	HLQKHGLWGQPAVPLPDVELRLPPLYGDNLDOHFRLLAQKQSLPYLEAANLLLQA	
Pan troglodytes (chimpanzee)	(103)	HLQKHGLWGQPAVPLPDVELRLPPLYGDNLDOHFRLLAQKQSLPYLEAANLLLQA	
mus pol gamma	(89)	HLQKHGLWGQPATPLPDVELRLPRLFGNLDQHFRLLAQKQSLPYLEAASLLEA	
rat pol gamma	(89)	HLRKHGLWGQPTTPLPDVQLRLPRLFGNLDQHFRLLAQKQSLPYLEAASLSEA	
Copy of Xenopus pol gamma	(80)	HLKNHELWGOETSTVPDVELQLPKMYGNNEEHFQLLAQKQSLPYLEAANDLLNC	
S. pombe pol gamma	(79)	HLAKHQLLNKETIKLPSFNFRLLPPLQKKTISEHFYNIGLEFAEPHLSKAIKFSKI	
Copy of scyeast pol gamma mip1	(80)	SLKDHGLWGKKTLLITDPTSFPLPPLQGRSLDEHFQKIGRFNSEPKSFCEDKFTE	
Copy of Neurospora pol gamma	(97)	HLARHDLGKTTDKTTPPLAFQLPALVGDTLDEHFHKLGVDAEPEFLTHAKQFADA	
		166	220
Copy of hum pol gamma aa seq	(161)	QLPPKPPAWAWAEGWTRYGPEGEAVPVAIPEERALVFDVEVCLAEGTCPTLAVAI	
Pan troglodytes (chimpanzee)	(158)	QLPPKPPAWAWAEGWTRYGPEGEAVPVAIPEERALVFDVEVCLAEGTCPTLAVAI	
mus pol gamma	(144)	QLPPEPKSWAWAEGWTRYGPEGEAEPVAIPEERALVFDVEVCLAEGTCPTLAVAI	
rat pol gamma	(144)	QLPPQPRKWVWAEGWTRYGPEGEAEPVAIPEERALVFDVEVCLAEGTCPTLAVAI	
Copy of Xenopus pol gamma	(135)	QLPAMPQTWAWQSGWTRYTATGEKELVDFPDEKAMVFDVEVCVTEGCCPTLAVAA	
S. pombe pol gamma	(134)	DTPVQPKTWKRQPGWTKYAKDGSISCVPYPSDCMVFDVEVLYKVS PFAVAVATAV	
Copy of scyeast pol gamma mip1	(135)	MVAR-PAEWLRKPGWVKYVPGMAPVEVAYPDEELVFDVEVTLYNVSDYPTLATAL	
Copy of Neurospora pol gamma	(152)	HLPPKPTS WVRRSWTKYNRDGTENDVLPQGNMFCFDVEV MYKDNPYAVMACAG	
		221	275
Copy of hum pol gamma aa seq	(216)	SPSAWYSWCSQRLVEERYSWTSQLSPADLIPLLEVPTGASSPTQRDWQEQLVGHN	

Pan troglodytes (chimpanzee)	(213)	SPSAWYSWCSQRLVEERYSWTSQLSPADLIPLLEVPASASSPTQRDWQEQLVVGHN
mus pol gamma	(199)	SPSAWYSWCSRRRLVEERYSWTSQLSPADLIPLGGSTSASSSTKQDGEQQLVVGHN
rat pol gamma	(199)	SPSAWYSWCSRRRLVEERYSWTSQLSPADLIPLGVSASASSSTQQDWQEQLVVGHN
Copy of Xenopus pol gamma	(190)	SPQNWYSWCSRRLLIEGRYTWSKELLLSDLFPLETSMNCCNYMTKNNWTERLVVGHN
S. pombe pol gamma	(189)	SEDAWYCWLSPWLLIGK--SENDRQLIPS-----NPKGALFVVGHN
Copy of scyeast pol gamma mip1	(189)	SSTAWYLWCSPFTICGGDDPAALIPLNTLN-----KEQVIIIGHN
Copy of Neurospora pol gamma	(207)	TPDAWYAWLSPWLLIGE--TENKAQLVPMGD-----PTVDRILIVVGHN
		276 330
Copy of hum pol gamma aa seq	(271)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIAAKQGKHK----
Pan troglodytes (chimpanzee)	(268)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIAAKQGKHK----
mus pol gamma	(254)	VSFDRAHIREQYLIQDSRRMFLDTMSMHMAISGLSSFORSLWIMGAKQGKHK----
rat pol gamma	(254)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIMGAKQGKHK----
Copy of Xenopus pol gamma	(245)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLTGFORTLWMASKYGKHK----
S. pombe pol gamma	(226)	VSFDRQRIREEYNIKSSRNVLDTMSLHVATHGMCSRQKPTWFKARKAYIR--SQ
Copy of scyeast pol gamma mip1	(227)	VAYDRARVLEEYNFRDSEKAFELDTQSLHTASFGLCSRORPMEFMKNN-----
Copy of Neurospora pol gamma	(246)	IGYDRAKILLEEYDLKQTRNFFLDTMSLHVAVNGMCSQORPTWMKHKKARELREKA
		331 385
Copy of hum pol gamma aa seq	(322)	VQPPTKQGQKSQRKARRGPAISSWDWLDISSVNSLAEVHRLYVGGPPLEKEPREL
Pan troglodytes (chimpanzee)	(319)	VQPS TKQGQKSQRKARRGPAISSWDWLDISSVNSLAEVHRLYVGGPPLEKEPREL
mus pol gamma	(305)	TQQSTKRGQKSPRKAN-GPAISSWDWMDISSANNLADVHNLYVGGPPLEKEPREL
rat pol gamma	(305)	TQHP TKRGQKSQRKANN-GPAISSWDWMDISSANNLADVHNLYVGGPRLAKEPREL
Copy of Xenopus pol gamma	(296)	GLQEVKQHIKKTRSNFSGSPLISSWDWVNISSINNADVHALYVGGPPLEKEAREL
S. pombe pol gamma	(279)	STETS EDDSSSFDDDYQNYLKQEPWLAHSSVNSLKDVAKFHCK-ITLDKSKRDD
Copy of scyeast pol gamma mip1	(273)	--KKKEAEVESEVHPEISIEDYDDPWLNVSAI NSLKDVAKFHCK-IDLDKTD RDF
Copy of Neurospora pol gamma	(301)	EHESSASVELQEVLQGGSLTAEEDLWVDKSSINSLRDVAQFHIN-VKIDKDIRDV
		386 440
Copy of hum pol gamma aa seq	(377)	FVKGTMKDI RENFQDLMQYCAQDVWATHEVFQQQLPLFLERCPHPVTLAGMLEMG
Pan troglodytes (chimpanzee)	(374)	FVKGTMKDI RENFQDLMQYCAQDVWATHEVFQQQLPLFLERCPHPVTLAGMLEMG
mus pol gamma	(359)	FVKGSMRDI RENFQDLMQYCARDVWATFEVFQQQLPLFLERCPHPVTLAGMLEMG
rat pol gamma	(359)	FVKGSMRDI RENFQDLMQYCARDVWATFEVFQQQLPLFLERCPHPVTLAGMLEMG
Copy of Xenopus pol gamma	(351)	FVKGSMSDIRTEFQELMRYCALDVQATHEVFQEQFPLFMERCPHPVTLSCMLEMG
S. pombe pol gamma	(333)	FASLEKEPILQKLNELITYCAHDTYSTHQVFKKVFQFLEVCPHPATFSAMLSLG
Copy of scyeast pol gamma mip1	(325)	FASTDKSTIIENFQKLVNYCATDVTATSQVFDEIFPVFLKFCPHPVSFAGLKSLS
Copy of Neurospora pol gamma	(355)	FAETDRNVILNQLDILLITYCAADVQVTHQVYQVVFVFNFLGVCPHPVSAALRHILA
		441 495
Copy of hum pol gamma aa seq	(432)	VSYL PVNQN-WERYLAEAGTYEELQREMKKSLMDLANDACQLLSG-ERYKEDPW
Pan troglodytes (chimpanzee)	(429)	VSYL PVNQN-WERYLAEAGTYEELQREMKKSLMDLANDACQLLSG-ERYKEDPW
mus pol gamma	(414)	VSYL PVNQN-WERYLAEAGTYEELQREMKKSLMDLANDACQLLSG-ERYKEDPW

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    rat pol gamma      (414) VSYLPVNQN-WERYLLEAQSITYEELQREMKKSLMELANDACQLLSG-ERYKEDPW
Copy of Xenopus pol gamma (406) VSYLPVNQN-WERYLLEAQSITYEELQEMKKSLMKLANDACQLLTK-DAYKEDPW
    S. pombe pol gamma (388) SVFLPVNHS-WTRYINGVEEQYQQMIQLVDQKLSQYAEKAKDLINTKDTVLKDPW
Copy of scyeast pol gamma mip1 (380) KCILPTKLNLDWNDYLNSESLSYQQSKVQIESKIVQLIKDIVLLKDKPDFYLDKDPW
Copy of Neurospora pol gamma (410) SVILPVNKT-WDTYIETAEATYLOMLHGVQERLFTLMERTLDYKADPEKYLSDPW
                                         496                                         550
Copy of hum pol gamma aa seq (485) LWDLEWDLQEFKQKKAKKVKKEPATASKLPIEGAGAPGDPMDQEDLGPCSEEEEF
Pan troglodytes (chimpanzee) (482) LWDLEWDLQEFKQKKAARKVKKEPATASKLPIEGAGAPGDPMDQEDLGPCSEEEEF
    mus pol gamma      (467) LWDLEWDLQEFKQKKAKKVKK-PASASKLPIEGAGPFGDPMDQEDPGPPSEEEEL
    rat pol gamma      (467) LWDLEWDLQEFKQKKAKKVKK-TASASKLPIEGAGPFGDPMDQEDPGPPSEEEEL
Copy of Xenopus pol gamma (459) LWDLEWDLQEFKQKTKISKK--QKKANEAAESVGNKLVEDHNEDEGPPTEKEES
    S. pombe pol gamma (442) LRQLDWTPCNLYRKLKAT-----
Copy of scyeast pol gamma mip1 (435) LSQLDWTTKPLRLTKKGV-----
Copy of Neurospora pol gamma (464) LSQLDWSGQEIKMAKPKKGD-----
                                         551                                         605
Copy of hum pol gamma aa seq (540) QQDVMARACLQKLGKGTTELLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
Pan troglodytes (chimpanzee) (537) QQDVMARACLQKLGKGTTELLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
    mus pol gamma      (521) QRSVTAHNRLLQQLRSFTDILLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
    rat pol gamma      (521) QQNIMAHTRLLQQLKSTTDLLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
Copy of Xenopus pol gamma (512) RPSMGKLYLEDLKLKTLPLLLPKRNQHLPGHPGWYRKLCPRKLEDPDWLPGP-----
    S. pombe pol gamma (461) -----QEMPVVPKWYKAYCKTEKRAV-----
Copy of scyeast pol gamma mip1 (454) -----AKCQKLPGFPEWYRQLFPSKDTVEP-----
Copy of Neurospora pol gamma (485) -----VER-----P-ALNQKLPGYPQWYKDLFVKVPKELSGLDEPDKEQ
                                         606                                         660
Copy of hum pol gamma aa seq (590) -----SLLSLQMRVTPKLMALTWDGFPLHYSERHGWGYLVPGRRDNLAKLP
Pan troglodytes (chimpanzee) (587) -----SLLSLQMRVTPKLMALTWDGFPLHYSERHGWGYLVPGRRDNLAKLP
    mus pol gamma      (571) -----SLLSLQMRVTPKLMALTWDGFPLHYSDSHGWGYLVPGRRDNLTEPP
    rat pol gamma      (571) -----SLLSLQMRVTPKLMALTWDGFPLHYSDSHGWGYLVPGRRDNLTELP
Copy of Xenopus pol gamma (562) -----GLISLQMRVTPKLMRLTWDGYPLHYSEKHGWGYLVPGR-----KNNK
    S. pombe pol gamma (483) -----I--TAKSRLAPILLRLKWKKHPLAWSDTYGWVFSVER-----
Copy of scyeast pol gamma mip1 (479) -----KITIKSRIIPILFKLSWENSPIVWSKESGWCENVPHEQ-----
Copy of Neurospora pol gamma (523) ENRKARHEFINLTVRSRIAPLLKLSWEGYPLFWSDFGWTFQVPRE-----
                                         661                                         715
Copy of hum pol gamma aa seq (636) TGTTLLESAGVVCPYRAIESLYRKHCLEQGKQQLMPQEFAGLAEFFLLTDNSAIWQT
Pan troglodytes (chimpanzee) (633) TGTTLLESAGVVCPYRAIESLYRKHCLEQGKQQLMPQEFAGLAEFFLLTDNSAIWQT
    mus pol gamma      (617) VSPITVESAAVTCPYRAIESLYRKHCLEQGKQQLLEPQFVDLAEFFLLTDSSAMWQT
    rat pol gamma      (617) VSPITVESAAVTCPYRAIESLYRRHCLDQGKQQLLETQFETDLAEFFLLTDS-AMWQT
Copy of Xenopus pol gamma (604) LNNEELEEITPCPYRAIEDIYAEYSKNKTKDGCLSQHSTIPEEFMLTDDNSMWQK

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S. pombe pol gamma (518) -----T
Copy of scyeast pol gamma mip1 (517) -----VET
Copy of Neurospora pol gamma (570) -----KA
716 770
Copy of hum pol gamma aa seq (691) VEELDYLEVEAEA KMENLRAAVPGQ--PIALTARGGPKDTQPSYHHGNGPYNDVD
Pan troglodytes (chimpanzee) (688) VEELDYLEVEAEA KMENLRAAVPGQ--PIALTARGGPKDTQPSYHHGNGPYNDVD
mus pol gamma (672) VEELGCLDVEAEA KME---NSGLSQ--PLVLP AACAPKSSQPTYHHGNGPYNDVN
rat pol gamma (671) VEELGCLDVEAEA TVE---SSGLSQ--PLVPP TACAPKTSQPTYHHGNGPYNDVD
Copy of Xenopus pol gamma (659) VEELSRTEMDLSSEVPATAKAKKR NNSSEHPVKLEMEFDSL PDNHHGNSPCGDVN
S. pombe pol gamma (520) KDEIEMLLDQGLVPCS-----REEDTKLD
Copy of scyeast pol gamma mip1 (520) YKAKNYVLADSVSQEE-----EE---IRTHNLGL
Copy of Neurospora pol gamma (572) ETFIQRQMTPVQFEDP-----DVDDR LRM
771 825
Copy of hum pol gamma aa seq (744) IPGCWFFKLP HKDGN SCNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
Pan troglodytes (chimpanzee) (741) IPGCWFFKLP HKDGN SCNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
mus pol gamma (722) IPGCWFFKLP HKDGN NYNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
rat pol gamma (721) IPGCWFFKLP HKDGN NYNVGSPFAKD FLPKMEDGTLQAGPGGAR GPRALE INKMI
Copy of Xenopus pol gamma (714) VSGCWFFKLP HKDGN ANNVGSPFAKD FLPKMEDGTLQASTGDSSATRALE INKMI
S. pombe pol gamma (544) YNNYI FFKVPHKDGPEARCVRHSPNHI THTSKRVFY NQIMK--WLKKALEMSASC
Copy of scyeast pol gamma mip1 (546) QCTGVL FKVPHPNGPTFNCTNLLTKSYNHFFKGV LKSESE--LAHQALQINSSG
Copy of Neurospora pol gamma (596) DVDHKY FKLPHKDGPNARC VNPMAKGYLPYFEK GILSSEYP--YAKEALEMNASC
826 880
Copy of hum pol gamma aa seq (799) SFWRNAHKRISSQM VVWLP RSALPRAVIRHPDYDEE---GLYGAILPQVV TAGTI
Pan troglodytes (chimpanzee) (796) SFWRNAHKRISSQM VVWLP RSALPRAVIRHPDYDEE---GLYGAILPQVV TAGTI
mus pol gamma (777) SFWRNAHKRISSQM VVWLP RSALPRVTRHPSFDEE---GHYGAILPQVV TAGTI
rat pol gamma (776) SFWRNAHKRISSQM VVWLP RSALPRAVTRHPSFDEE---SHYGAILPQVV TAGTI
Copy of Xenopus pol gamma (769) SFWRNAHKRISSQM VVWVWKNE LHRTITRDPEFDEE---NKYGAILAQVVSAGTI
S. pombe pol gamma (597) SYWSSARDRI RSQM VVWVWKNE LHRTITRDPEFDEE---VPSSV---DGF GILPCTIPMGTI
Copy of scyeast pol gamma mip1 (599) SYWMSARERIQS QFVVPSCRFPN EFQSLSAKSSLNNEKTNDLAIITPKIVPMGTI
Copy of Neurospora pol gamma (649) SYWISARERIKNQMVVYEDQLPPSQRFV NKDADSNT---PIG GFLPQVLPMTI
881 935
Copy of hum pol gamma aa seq (851) TRRAVEPTWLTASNARPDRV GSELKAMVQAPPGYTLVGADVDSQELWIAAVL GDA
Pan troglodytes (chimpanzee) (848) TRRAVEPTWLTASNARPDRV GSELKAMVQAPPGYTLVGADVDSQELWIAAVL GDA
mus pol gamma (829) TRRAVEPTWLTASNARPDRV GSELKAMVQAPPGYV LVGADVDSQELWIAAVL GDA
rat pol gamma (828) TRRAVEPTWLTASNARPDRV GSELKAMVQAPPGYV LVGADVDSQELWIAAVL GDA
Copy of Xenopus pol gamma (821) TRRAVEPTWLTASNARADRV GSELKAMVQAPPGYHLIGADVDSQELWIAAILG EA
S. pombe pol gamma (642) TRRAVENI TWLTASN SKKNR LGSELKAMIRAPDGYTFV GADVDSQELWIVALMGDS
Copy of scyeast pol gamma mip1 (654) TRRAVENA WLTASNAKANRIGSELK TQVKAPPGYCFV GADVDSQELWIASLVGDS

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Copy of hum pol gamma aa seq	(1125)	IDGRFCISIHDEVRYLVREEDRYRAALALQITNLLTRCMFAYKLGNDLPQSVAF	
Pan troglodytes (chimpanzee)	(1122)	IDGRFCISIHDEVRYLVREEDRYRAALALQITNLLTRCMFAYKLGNDLPQSVAF	
mus pol gamma	(1103)	IDGRFCISIHDEVRYLVREEDRYRAALALQITNLLTRCMFAYKLGNDLPQSVAF	
rat pol gamma	(1102)	IDGRFCISIHDEVRYLVREEDRYRAALALQITNLLTRCMFAYKLGNDLPQSVAF	
Copy of Xenopus pol gamma	(1094)	IDGRFCISIHDEVRYLVHVKDRYRAALALQITNLLTRCMFASRLGIQDVQPSVAF	
S. pombe pol gamma	(878)	LEARLSLTVHDEVRYLSSDKDKYRVAFALQVANLWTRAFFCQRLGINELPQSVAF	
Copy of scyeast pol gamma mip1	(882)	LEARLCISIHDETRFLVSEKDKYRAAMALQISNIWTRAMFCQQMGINELPONCAF	
Copy of Neurospora pol gamma	(931)	LACRLAITVHDEIRYLAEFPDKYRVAMALQIANLWTRVMFAQQVGIQDLPOSCAF	
		1211	1265
Copy of hum pol gamma aa seq	(1180)	FAVDIDRCLRKEVTMDCKTPSNPTGMERRYGIPOGEALDIYQIIELTKGSLEK-	
Pan troglodytes (chimpanzee)	(1177)	FAVDIDRCLRKEVTMDCKTPSNPTGMERRYGIPOGEALDIYQIIELTKGSLEK-	
mus pol gamma	(1158)	FAVDIDQCLRKEVTMDCKTPSNPTGMERRYGIPOGEALDIYQIIELTKGSLEK-	
rat pol gamma	(1157)	FAVDIDQCLRKEVTMDCKTPSNPTGMERRYGIPOGEALDIYQIIELTKGSLEK-	
Copy of Xenopus pol gamma	(1149)	FAVDIDKCLRKEVTMDCSTPSNPNGMEKRYGIPOGEALDIYQILKVTKGVL---	
S. pombe pol gamma	(933)	FSSVDIDHVLKRDVKMDCVTPSNK-----VPIPPGEELTIESVLEKLEQS----	
Copy of scyeast pol gamma mip1	(937)	FSQVDIDSVLRKEVNMDCITPSNK-----TAIPHGEALDINOLLKSNKLGKIP	
Copy of Neurospora pol gamma	(986)	FAVDIDHVLKRDVMDCITPSNK-----IPIAHGESIDIFQILEKGDDAKLD-	
		1266	1320
Copy of hum pol gamma aa seq	(1234)	-----RSQPGP-----	
Pan troglodytes (chimpanzee)	(1231)	-----RSQPGP-----	
mus pol gamma	(1212)	-----RSQPGP-----	
rat pol gamma	(1211)	-----RSQPGP-----	
Copy of Xenopus pol gamma	(1201)	-----	
S. pombe pol gamma	(978)	----GQSLEPLEQIQCFVDVKATTSAEITEEDKKNIAYLKAQAFY-----	
Copy of scyeast pol gamma mip1	(986)	NLDIDSKVSQYAYNYREPVFEEYNKSYTPEFLKYFLAMQVQSDKRDVNRLEDEYL	
Copy of Neurospora pol gamma	(1034)	----DSIVPQSQYAPRLNIPYTPRPVPMQRLRERAEAGDHQAFRLFIRAQITNS	
		1321	1375
Copy of hum pol gamma aa seq	(1240)	-----	
Pan troglodytes (chimpanzee)	(1237)	-----	
mus pol gamma	(1218)	-----	
rat pol gamma	(1217)	-----	
Copy of Xenopus pol gamma	(1201)	-----	
S. pombe pol gamma	(1019)	-----	
Copy of scyeast pol gamma mip1	(1041)	RECTSKEYARDGNTAEYSLLDYIKDVEKGRKTKVRIMGSNFLDGTKNADQRIR	
Copy of Neurospora pol gamma	(1085)	DEELKRIIAETRYSDPYGAFSLASNGRVSGNPHQRHAAVHASTKTAAPSKPSIA	
		1376	1430
Copy of hum pol gamma aa seq	(1240)	-----	
Pan troglodytes (chimpanzee)	(1237)	-----	

mus pol gamma	(1218)	-----
rat pol gamma	(1217)	-----
Copy of Xenopus pol gamma	(1201)	-----
S. pombe pol gamma	(1019)	-----
Copy of scyeast pol gamma mip1	(1096)	LPVNMPDYPTLHKIANDSAIPEKQLLENRRKKNRIDDENKKKLTRKKNTTPMER
Copy of Neurospora pol gamma	(1140)	SRFDSVSQASRIKVAAGSDEPTIRATKAQGKAMAKASGTKLAASKDTVLNVTI 1431 1485
Copy of hum pol gamma aa seq	(1240)	-----
Pan troglodytes (chimpanzee)	(1237)	-----
mus pol gamma	(1218)	-----
rat pol gamma	(1217)	-----
Copy of Xenopus pol gamma	(1201)	-----
S. pombe pol gamma	(1019)	-----
Copy of scyeast pol gamma mip1	(1151)	KYKRVYGGGRKAFEAFYECANKPLDYTLETEKQFFNIPIDGVIDDVLNDKSNYKKK
Copy of Neurospora pol gamma	(1195)	KKKVAAPEMAAMPSTSSSESKKASATTSTTTTENATASPSSSNVDAKKTTSTK 1486 1540
Copy of hum pol gamma aa seq	(1240)	-----
Pan troglodytes (chimpanzee)	(1237)	-----
mus pol gamma	(1218)	-----
rat pol gamma	(1217)	-----
Copy of Xenopus pol gamma	(1201)	-----
S. pombe pol gamma	(1019)	-----
Copy of scyeast pol gamma mip1	(1206)	PSQARTASSSPIRKTAKAVHSKLPARKSSTTNRNLVELERDITISREY-----
Copy of Neurospora pol gamma	(1250)	PTHKKETEGETPFPSLDDPVIAARLEAVSKTSPGTRASVAAKLDALASFCHASCCG 1541
Copy of hum pol gamma aa seq	(1240)	-
Pan troglodytes (chimpanzee)	(1237)	-
mus pol gamma	(1218)	-
rat pol gamma	(1217)	-
Copy of Xenopus pol gamma	(1201)	-
S. pombe pol gamma	(1019)	-
Copy of scyeast pol gamma mip1	(1255)	-
Copy of Neurospora pol gamma	(1305)	C