

		1		55
Copy of hum pol gamma aa seq	(1)	-MSRLLWRKVAGATVGP	GPVPAPGRWVSSSV	PASDPSDGRRRRQQ
Pan troglodytes (chimpanzee)	(1)	-MSRLLWRKVAGATVGP	GPVPAPGRWVSSSV	PASDPSDGRRRRQQ
mus pol gamma	(1)	-MSRLLWKKVAGAKVAS	GPVPATARWVSSSV	LDPVPSDGR-----
rat pol gamma	(1)	-MSRLLWKKVAGAKVAS	GPVPATGRWVSSSV	LDPVPSDGR-----
Copy of Xenopus pol gamma	(1)	-MNRLIQKGTSLVPSWRTRGCRYR	RCSYAPQLHAKPLE	METS-----
S. pombe pol gamma	(1)	-MFYKACPSTLTCSKWIHS	TIKTKKFLYCRHYSSK	-----SFIDNAP-----
Copy of scyeast pol gamma mip1	(1)	-MTKLMVRSSECLRMVRRRPLRVQFCARWFSTKKN	TAEAP-----	
Copy of Neurospora pol gamma	(1)	MLTPVRCRTVPNATVATAARVLR	RANLFSRYPRQLGHLRWDSTIA	CVLE-----
		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	LTIQMLSRGLHEQIFGC	----GGEMPDEAAVQRSVE
rat pol gamma	(40)	--PQSQMPSSSENGQLRLNPL	LTIQMLSRGLHEQIFGC	----GGDVPDEAAVQRSIE
Copy of Xenopus pol gamma	(42)	-----QRRMNPLNIQMLSK	GFHEQIFRG-----	KQVQHAEEDVQRSIT
S. pombe pol gamma	(42)	-----LRINPVGVOYLS	PALQNOVFPQ-----	QNTQISQLHLDLAKF
Copy of scyeast pol gamma mip1	(40)	-----RINPVGIQYLGES	LQRQVFGSCGGKDEVEQ	SDKLMELSKK
Copy of Neurospora pol gamma	(50)	----RKGLGVPS-TARHNE	IGVQQLSEHLYKQLF	PRG---NTDPPAPELLELAKD
		111		165
Copy of hum pol gamma aa seq	(106)	HLQKHGLWGQPAVPLPDVELR	LPPLYGDNLDOHFRLLAQKQSL	PYLEAANLLLQA
Pan troglodytes (chimpanzee)	(103)	HLQKHGLWGQPAVPLPDVELR	LPPLYGDNLDOHFRLLAQKQSL	PYLEAANLLLQA
mus pol gamma	(89)	HLQKHGLWGQPATPLPDVELR	LPRLFQGNLDOHFRLLAQKQSL	PYLEAASLLEA
rat pol gamma	(89)	HLRKHGLWGQPTTPLPDVQLR	LPRLFQGNLDOHFRLLAQKQSL	PYLEAASLSEA
Copy of Xenopus pol gamma	(80)	HLKNHELWQGETSTVPDVELQ	LPKMYGNNEEHFQLLAQKQSL	PYLEAANDLLNC
S. pombe pol gamma	(79)	HLAKHQLLNKETIKLPSFNFR	LPPLQKTISEHFYNIGLEFAE	PHLSKAIKFSKI
Copy of scyeast pol gamma mip1	(80)	SLKDHGLWGKKTLLITDPT	SFPLPPLQGRSLDEHFQKIGR	NSEPKSFCEDKFTE
Copy of Neurospora pol gamma	(97)	HLARHDLGKTTDKTPTLAFQ	LPALVGDTLDEHFHKLGVDAE	PFLTHAKQFADA
		166		220
Copy of hum pol gamma aa seq	(161)	QLPPKPPAWAWAEGWTRYG	PGEAVPVAIPEERALVFDVE	VCLAEGTCPTLAVAI
Pan troglodytes (chimpanzee)	(158)	QLPPKPPAWAWAEGWTRYG	PGEAVPVAIPEERALVFDVE	VCLAEGTCPTLAVAI
mus pol gamma	(144)	QLPPEPKSWAWAEGWTRYG	PGEAEPVAIPEERALVFDVE	VCLAEGTCPTLAVAI
rat pol gamma	(144)	QLPPQPRKVVWAWAEGWTRYG	PGEAEPVAIPEERALVFDVE	VCLAEGTCPTLAVAI
Copy of Xenopus pol gamma	(135)	QLPAMPQTWAWQSGWTRY	TATGEKELVDFPDEKAMV	FDVEVCVTEGCCPTLAVAA
S. pombe pol gamma	(134)	DTPVQPKTWKRQPGWTKYAK	DGSISCVYPDSDCMVFDVE	VLYKVS PFAVAVATAV
Copy of scyeast pol gamma mip1	(135)	MVAR-PAEWLRKPGWVKYV	PGMAPVEVAYPDEELV	FDVETLYNVS DYPTLATAL
Copy of Neurospora pol gamma	(152)	HLPPKPTS WVRRSWTKY	NRDGTENDVLPQGNM	CFDVEVMYKDNPYAVMACAG
		221		275
Copy of hum pol gamma aa seq	(216)	SPSAWYSWCSQRLVEERY	SWTSQLSPADLIPL	LEVPTGASSPTQRDWQEQLVGHN

Pan troglodytes (chimpanzee)	(213)	SPSAWYSWCSQRLVEERYSWTSQLSPADLIPLLEVPASASSPTQRDWQEQLVVGHN
mus pol gamma	(199)	SPSAWYSWCSRRRLVEERYSWTSQLSPADLIPLGGSTSASSSTKQDGEQQLVVGHN
rat pol gamma	(199)	SPSAWYSWCSRRRLVEERYSWTSQLSPADLIPLGVSASASSSTQQDWQEQLVVGHN
Copy of Xenopus pol gamma	(190)	SPQNWYSWCSRRLLIEGRYTWKELLSDLFPLETSMNCCNYMTKNNWTERLVVGHN
S. pombe pol gamma	(189)	SEDAWYCWLSPWLLIGK--SENDRQLIPS-----NPKGALFVVGHN
Copy of scyeast pol gamma mip1	(189)	SSTAWYWLWCSPFTICGGDDPAALIPLNTLN-----KEQVIIIGHN
Copy of Neurospora pol gamma	(207)	TPDAWYAWLSPWLLIGE--TENKAQLVPMGD-----PTVDRILIVVGHN
		276 330
Copy of hum pol gamma aa seq	(271)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIAAKQGGKHK----
Pan troglodytes (chimpanzee)	(268)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIAAKQGGKHK----
mus pol gamma	(254)	VSFDRAHIREQYLIQDSRRMFLDTMSMHMAISGLSSFORSLWIMGAKQGGKHK----
rat pol gamma	(254)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLSSFORSLWIMGAKQGGKHK----
Copy of Xenopus pol gamma	(245)	VSFDRAHIREQYLIQGSRRMFLDTMSMHMAISGLTGFORTLWMASKYGGKHK----
S. pombe pol gamma	(226)	VSFDRQRIREEYNIKSSRNVFLDTMSLHVATHGMCSRQKPTWFKARKAYIR--SQ
Copy of scyeast pol gamma mip1	(227)	VAYDRARVLEEYNFRDSEKAFFLDTQSLHTASFGLCSRORPMEFMKNN-----
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)	TQQSTKRQGQKSPRKAN-GPAISSWDWMDISSANNLADVHNLYVGGPPLEKEPREL
rat pol gamma	(305)	TQHP TKRQGQKSNAN-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)	FVKGSMSDIRTEFQELMRYCALDVQATHEVFQEQFLFMERCPHPVTLSCMLEMG
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-WERYL TEAONTYEELQREMKKSLMDLANDACQLLSG-ERYKEDPW

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    rat pol gamma      (414) VSYLPVNQN-WERYLTEAQSYYEELQREMKKSLMELLANDACQLLSG-ERYKEDDPW
  Copy of Xenopus pol gamma (406) VSYLPVNQN-WERYLDEAQTSYEELQKEMKKSLMKLANDACQLLTK-DAYKEDDPW
    S. pombe pol gamma (388) SVFLPVNHS-WTRYINGVEEQQQMIQLVDQKLSOYAEKAKADLINTKDTVLKDPW
Copy of scyeast pol gamma mip1 (380) KCILLPTTKLNDWNDYLNSSESLYQQSKVQIESKIVQLIKDIVLLKDKPDFYLKDPW
  Copy of Neurospora pol gamma (410) SVILLPVNKT-WDTYLETAEATYLQMLHGVQERLFTLMERTLDYKADPEKYLSDDPW
                                         496                                         550
  Copy of hum pol gamma aa seq (485) LWDLEWDLQEFKQKKAKKVKKEPATASKLPIEGAGAPGDPMDQEDLGPCSEEEEF
Pan troglodytes (chimpanzee) (482) LWDLEWDLQEFKQKKARKVKKEPATASKLPIEGAGAPGDPMDQEDLGPCSEEEEF
    mus pol gamma (467) LWDLEWDLQEFKQKKAKKVKKE-PASASKLPIEGAGPFGDPMDQEDPGPPSEEEEL
    rat pol gamma (467) LWDLEWDLQEFKQKKAKKVKKE-TASASKLPIEGAGPFGDPMDQEDPGPPSEEEEL
  Copy of Xenopus pol gamma (459) LWDLEWDLQEFKQKKTKISKK--QKKANEAAESVGNKLVEDHNEDGPPTEKEES
    S. pombe pol gamma (442) LRQLDWTPCNLYRKLKKAT-----
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) QQDVMARACLQKLKGTTELLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
Pan troglodytes (chimpanzee) (537) QQDVMARACLQKLKGTTELLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
    mus pol gamma (521) QRSVTAHNRLQQLRSTTDLLPKRPQHLPGHPGWYRKLCPRLDDPAWAPGP-----
    rat pol gamma (521) QQNIMAHTRLQQLKSTTDLLPKRPQHLPGHPGWYRKLCPRLDDPAWTPGP-----
  Copy of Xenopus pol gamma (512) RPSMGKLYLEDLKLKITLLPKRNQHLPGHPGWYRKLCPKLEDPDWLPGP-----
    S. pombe pol gamma (461) -----QEVPVPKWYKKAYCKTEKRAV-----
Copy of scyeast pol gamma mip1 (454) -----AKCQKLPGFEWYRQLFSKDTVEP-----
  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) -----GLLSLQMRLTPKLMRLTWDGYPLHYSEKHGWGYLVPGR-----KNNK
    S. pombe pol gamma (483) -----I--TAKSRLAPILLRLKWKKHPLAWSDTYGWVFSVER-----
Copy of scyeast pol gamma mip1 (479) -----KITIKSRIIPILFKLSWENSPVIWSKESGWCFNVPHEQ-----
  Copy of Neurospora pol gamma (523) ENRKARHEFINLTVRSRIAPLLLKLSWEGYPLFWSDQFGWTFQVPRE-----
                                         661                                         715
  Copy of hum pol gamma aa seq (636) TGTTLESAGVCPYRAIESLYRKHCLEQGKQLMPQEAGLAEEFLLTDNSAIWQT
Pan troglodytes (chimpanzee) (633) TGTTLESAGVCPYRAIESLYRKHCLEQGKQLMPQEAGLAEEFLLTDNSAIWQT
    mus pol gamma (617) VSPTVESAAVTCPYRAIESLYRKHCLEQGKQLEPQEVDLAEEFLLTDSSAMWQT
    rat pol gamma (617) VSPTESAAVTCPYRAIESLYRRHCLDQGKQLETQETDLAEEFLLTDS-AMWQT
  Copy of Xenopus pol gamma (604) LNNEEEEEILPCPYRAIEDIYAEYSKNKTKDGCLSQHSTIPEEFMLTDDNSMWQK

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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)	ETFLQRQMTPVQFEDP-----DVDDR LRM
	771	825
Copy of hum pol gamma aa seq	(744)	I PGCWFFKLP HKDGN SCNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
Pan troglodytes (chimpanzee)	(741)	I PGCWFFKLP HKDGN SCNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
mus pol gamma	(722)	I PGCWFFKLP HKDGN NYNVGSPFAKD FLPKMEDGTLQAGPGGASGPRALE INKMI
rat pol gamma	(721)	I PGCWFFKLP 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 FKVPHPN GPTFNCTNLLTKSYNHFFKGV 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 VVWLP KNE LHRTITRDPEFDEE---NKYGAILAQVVSAGTI
S. pombe pol gamma	(597)	SYWSSARDRI RSQM VVWLDKDAELG-----VPSSV---DGFGIILPCTIPMGTI
Copy of scyeast pol gamma mip1	(599)	SYWMSARERIQS QFVVPSCRFPN EFQSLSAKSSLNNEKTNDLAIITPKIVPMGTI
Copy of Neurospora pol gamma	(649)	SYWISARERIKNQMVVYEDQLPPSQRFVNKDADSNT---PIGGFVLPQVILPMGTI
	881	935
Copy of hum pol gamma aa seq	(851)	TRRAVEPTWLTASNAR PDRVGSELKAMVQAPPGYTLVGADVDSQELWIAAVLGDA
Pan troglodytes (chimpanzee)	(848)	TRRAVEPTWLTASNAR PDRVGSELKAMVQAPPGYTLVGADVDSQELWIAAVLGDA
mus pol gamma	(829)	TRRAVEPTWLTASNAR PDRVGSELKAMVQAPPGYV LVGADVDSQELWIAAVLGDA
rat pol gamma	(828)	TRRAVEPTWLTASNAR PDRVGSELKAMVQAPPGYV LVGADVDSQELWIAAVLGDA
Copy of Xenopus pol gamma	(821)	TRRAVEPTWLTASNAR ADRVGSELKAMVQAPPGYHLIGADVDSQELWIAAILGEA
S. pombe pol gamma	(642)	TRRAVENI TWLTASN SKKNR LGSELKAMIRAPDGYTFVGADVDSQELWIVALMGDS
Copy of scyeast pol gamma mip1	(654)	TRRAVENA TWLTASNAKANRIGSELKTQVKAPPGYCFVGADVDSQELWIASLVGDS

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)	FSSVDIDHVLKDKVMDCVTPSNK-----VPIPPGEELTIESVLEKLEQS----	
Copy of scyeast pol gamma mip1	(937)	FSQVDIDSVLRKEVNMDCITPSNK-----TAIPHGEALDINOLLKSNKLGKPK	
Copy of Neurospora pol gamma	(986)	FAVDIDHVLKKEVDMDCITPSNK-----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)	----DSIVPQSQYAPRLNIPYTPRPVPMQRLRERAEAGDHQAFLLRFIRAQITNS	
		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)	RECTSKEYARDGNTAEYSLLDYIKDVEKGRKTKVRIMGSNFLDGTAKNAKADQRIR	
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)	LPVNMPDYPTLHKIANDSAIPEKQLLENRRRKKENRIDDENKKKLTRKKNTTPMER
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)	KYKRVYGGGRKAFEAFYECANKPLDYTTLETEKQFFNIPIDGVIDDVLNDKSNYKKK
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