```
Sc Pol5    1  MTGKVNRDLFFKLASDLREERLHAAAVALIKDLSALDLPDDAEEWSYVLNRLIKGLSSDRN   60
Sp pol5    1  MATKTQIELFTKITSNDKAIRLSSAAQLIDSLS------NEEELKYSLNRLTKGLSSGRE   54

Sc Pol5   61  SARLGFSLCLTEVINLAVNMPPGQRFKGLESTNEFLSTLSTILNVNVNEGTKKSMKGKDE  120
Sp pol5   55  SARIGFAVALTELL-----T----RTKDIRAT----HVLDILVKHNTASG--N-IKGQDE   98

Sc Pol5  121  RGILFGKLFGLKSLLNEPLFSEIFVKDLEKGNTEFPIRFTEQLIDLALKKNWIKEPCFFT  180
Sp pol5   99  RDFYFGILFGLCSIV----YSGILTHKES--TIEDPQRVVDILLCISGKKNWLQDVCFYV  152
                    IV
Sc Pol5  181  LFQTMKMLLPFMDES-SAEKILLIYDKYDLTLTNEGLSTYLILKYEGEESLIPSVLDLKN  239
Sp pol5  153  IYKLVEQIPEISFSSNAFLAVNKLLQTPAVSKSTXGVGLFLQLTRVFDN-VKSEEVAMAN  211
                                                            II
                                                                    pol5-3
                                                                      R
Sc Pol5  240  PGWKDNDPLARGNLPLLTKVLRNSSVIPDANGGLKETKKQKNTNWNFRLHFVWSVLLPLF  299
Sp pol5  212  --WEPAHPLHKSNLVTLSKIMRQA----DAS----ETGGQ-NSAWKCKIPMVWKYIFEEY  260

Sc Pol5  300  GNGKLENTSHISKKRKKTNNKKVQNSICFPEFWKMAVDESFFNEKASSERKYLGFLIIDA  359
Sp pol5  261  -------------------QRBTYSGLAFFHDFWAVVVDEGIFSSTSSLERKFWGFQIMEL  302
                                                        M
Sc Pol5  360  AFKAVPGSYIGFCPSQNVMRTLINQSIESQRVLNKISQLTIDSIVKACEEDSANRIVPCL  419
Sp pol5  303  ALDYVSSDNIGDIFSKNFLHCLINHLSCEDRYLYRAAKRVTSKLEKVSKQ---NPTLVYI  359
                                      VI
                                                            pol5-2
                                                              S
Sc Pol5  420  NAMLFGFHGSINFIKLTKSGTVSKLIAIK-ELPSTVLAQLLDVFFLQLQ-----ERKGVL  473
Sp pol5  360  AIHLLGERGSLNFIRVTNTKLVEHILPLADEQGILQLFQLLLSYVKRCPEDIASETKAVE  419
                              pol5-1
                                E
Sp pol5  420  WRRCWATDTMLSILRSKRSIKQEPWVREITRNIHCLMATLRYQQSEEVIPKFSEGTQNMF  479

Sc Pol5  530  KERLYSILGELTINKEIRCK-DPEIN--SWCYLTIKLILDIENSHVGDLINPLDENLENI  586
Sp pol5  480  RLRLMSALSYLSSSAFCQSQTDHQLGDKNWPYVAINYLLELEKSPKNNILISMDESVIEI  539
                                                            III
              pol5-2
                S
Sc Pol5  587  KNEAISCLSKVCR------SRTAQSWGISTLLSMCLVCLYAGDTDSISVIEELCE-----  634
Sp pol5  540  VQKSLSVLHKVTKKIDKKAQHLQQLNAFQLLYSLVLLCVYAGDTDSIDVLEDIDNCYSKV  599
                                                      I
                                                        pol5-1
Sc Pol5  635  ---FSKHENNS-----MVGITEILLSLIAQKKALLRKLSIIIWQCFIEEVGLEELQILLD  687
Sp pol5  600  FNKKSKRESTSNEPTAMEIITEVMLSLISRPSILLRKLVDMLFTSFSEDMNRESIHLICD  659

Sc Pol5  688  ILKARENKQGFACIFEGEEEFERIKEENDASELESKTGSESESESESDSDDADEKDEEDE  747
Sp pol5  660  VLKAKESVKDSEGMFAGEEVEEDAFGETEMDEEDFEEIDTDEIEECSDAEMISNCDASD-  718

Sc Pol5  748  ANEDILNIDKEATSALVKAINLPDNIVNDKGEVDLDQLEGLSDDGGDDEDEESMDDEKMM  807
Sp pol5  719  ----NE----ELERKLDKVLEDADAKVKD----E-----------ESSFEELMNDRCML  754
                                            V

Sc Pol5  808  ELDDQISEIFKRRKEALSSISTGNQRKFEVKQSRENVISFKHRVVDMLAVYVKYCEKLTL  867

Sc Pol5  868  ANKSEHSNNLGGSLSKLVYPIIPMLKCVNETLDRFLADKISKLLKGKIFEIKVTAFKDMN  927
Sp pol5  806  -N-----NGLG-------FEFLIPLLEMILKTKHKVLEEKCQAVFRNRLSKLKWTEEKPSS  853

Sc Pol5  928  KDIELMDLLKKTHKLMLTSKPGQHAAVFYSMCSTSSLFLSKLYVEIGGNDKLDELIDLYT  987
Sp pol5  854  K--NVLEALKKVHVLCGKK-----AS-LGSTGSSISQLLIKLLADTP---YLKEGVEVYL  902

Sc Pol5  998  ATTKEWMQ---KGKCGPNIPIDFINWLSSK-------------KCTVMDKE------  1022
Sp pol5  903  KSFLLWIQEPSKSHYNANIPHDFINWGAQQRLKHQQTSTAASSPCKTGHH
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