

Majority	MGQVTTPLSLTL EH WGDVQRIASNSQSV DV KRRRWVTFCSAEWPTFGV GW PQDGT FN LDIILQVKS KV FS PG PHGHPDQV	
	10 20 30 40 50 60 70 80	
Full_length_gagpolpro	MGQVTTPLSLTL EH WGDVQRIASNSQSV DV KRRRWVTFCSAEWPTFGV GW PQDGT FN LDIILQVKS KV FS PG PHGHPDQV	80
Spliced_gagpolpro	MGQVTTPLSLTL EH WGDVQRIASNSQSV DV KRRRWVTFCSAEWPTFGV GW PQDGT FN LDIILQVKS KV FS PG PHGHPDQV	80
Majority	PYIVTWEAIA YE PPPVW KP VFVSPKLSLSPTAPILPSGPSTQPP PR SALYPALTPSIK PR PSK PQ VLS DNG GPLIDLLTED	
	90 100 110 120 130 140 150 160	
Full_length_gagpolpro	PYIVTWEAIA YE PPPVW KP VFVSPKLSLSPTAPILPSGPSTQPP PR SALYPALTPSIK PR PSK PQ VLS DNG GPLIDLLTED	160
Spliced_gagpolpro	PYIVTWEAIA YE PPPVW KP VFVSPKLSLSPTAPILPSGPSTQPP PR SALYPALTPSIK PR PSK PQ VLS DNG GPLIDLLTED	160
Majority	PPPYEQG PS SSDGDG DRE EATSTPEIPAPSPM VS R LR GRKRDPPAAVSTTS RA FPLRLGG NG QLQYWP FSS SDLYNWKNN	
	170 180 190 200 210 220 230 240	
Full_length_gagpolpro	PPPYEQG PS SSDGDG DRE EATSTPEIPAPSPM VS R LR GRKRDPPAAVSTTS RA FPLRLGG NG QLQYWP FSS SDLYNWKNN	240
Spliced_gagpolpro	PPPYEQG PS SSDGDG DRE EATSTPEIPAPSPM VS R LR GRKRDPPAAVSTTS RA FPLRLGG NG QLQYWP FSS SDLYNWKNN	240
Majority	NPSFSEDPGKLTALIESVL TTH QPTWDDCQ LL GTLLT GEE KQ RV LLEARKAV RGD GRPTQLPNEIEA AF PLERP DW DY	
	250 260 270 280 290 300 310 320	
Full_length_gagpolpro	NPSFSEDPGKLTALIESVL TTH QPTWDDCQ LL GTLLT GEE KQ RV LLEARKAV RGD GRPTQLPNEIEA AF PLERP DW DY	320
Spliced_gagpolpro	NPSFSEDPGKLTALIESVL TTH QPTWDDCQ LL GTLLT GEE KQ RV LLEARKAV RGD GRPTQLPNEIEA AF PLERP DW DY	320
Majority	TTLRGRNHLV YR KLLLAGLQ NA GRSPTNLAKV KG ITQGSNE SP SAFLERLKEAY RR YTPYD PE DPGQET NV SMSFIWQS	
	330 340 350 360 370 380 390 400	
Full_length_gagpolpro	TTLRGRNHLV YR KLLLAGLQ NA GRSPTNLAKV KG ITQGSNE SP SAFLERLKEAY RR YTPYD PE DPGQET NV SMSFIWQS	400
Spliced_gagpolpro	TTLRGRNHLV YR KLLLAGLQ NA GRSPTNLAKV KG ITQGSNE SP SAFLERLKEAY RR YTPYD PE DPGQET NV SMSFIWQS	400
Majority	APDIGR KL ERLEDLKNKTLGDLV REA ERIFNK RE TPEEREERIK RE TEEKEERR AE DEQKEKER DRR RQREMSKLLATV	
	410 420 430 440 450 460 470 480	
Full_length_gagpolpro	APDIGR KL ERLEDLKNKTLGDLV REA ERIFNK RE TPEEREERIK RE TEEKEERR AE DEQKEKER DRR RQREMSKLLATV	480
Spliced_gagpolpro	APDIGR KL ERLEDLKNKTLGDLV REA ERIFNK RE TPEEREERIK RE TEEKEERR AE DEQKEKER DRR RQREMSKLLATV	480
Majority	VTGQRQ DR QGERRRRQLDKDQ CAY CKEKGHW ARD CPK KPR GRGPRPQTSL LL TDDQGGQ GQ EP PE PRITLTVGGQPV	
	490 500 510 520 530 540 550 560	
Full_length_gagpolpro	VTGQRQ DR QGERRRRQLDKDQ CAY CKEKGHW ARD CPK KPR GRGPRPQTSL LL TDDQGGQ GQ EP PE PRITLTVGGQPV	560
Spliced_gagpolpro	VTGQRQ DR QGERRRRQLDKDQ CAY CKEKGHW ARD CPK KPR GRGPRPQTSL LL TDDQGGQ GQ EP PE PRITLTVGGQPV	560
Majority	TFLVDTGA QHS VL TQ NPGLSD RS AWVQ AT G GK KRYH WT DRKVHLATGKV TH SFLHVPDC PY PLGRD LL TKLKAQIHF	
	570 580 590 600 610 620 630 640	
Full_length_gagpolpro	TFLVDTGA QHS VL TQ NPGLSD RS AWVQ AT G GK KRYH WT DRKVHLATGKV TH SFLHVPDC PY PLGRD LL TKLKAQIHF	640
Spliced_gagpolpro	TFLVDTGA QHS VL TQ NPGLSD RS AWVQ AT G GK KRYH WT DRKVHLATGKV TH SFLHVPDC PY PLGRD LL TKLKAQIHF	640
Majority	EGSGAQ VV GPKGQPLQVLT GI ED YR LHETSTEP DV SLG ST WLSDFPQ AW AETGGMGLAV RQ APLI IP LKATSTP VS IK	
	650 660 670 680 690 700 710 720	
Full_length_gagpolpro	EGSGAQ VV GPKGQPLQVLT GI ED YR LHETSTEP DV SLG ST WLSDFPQ AW AETGGMGLAV RQ APLI IP LKATSTP VS IK	720
Spliced_gagpolpro	EGSGAQ VV GPKGQPLQVLT GI ED YR LHETSTEP DV SLG ST WLSDFPQ AW AETGGMGLAV RQ APLI IP LKATSTP VS IK	720
Majority	QY PM SH EA RLGIKPHIQ RL LDQ GI L VP CQSPWNTPLLPV KK PGTNDY RP VQDL RE VNKRVEDIHPTV PN PYNLLSGLPPS	
	730 740 750 760 770 780 790 800	
Full_length_gagpolpro	QY PM SH EA RLGIKPHIQ RL LDQ GI L VP CQSPWNTPLLPV KK PGTNDY RP VQDL RE VNKRVEDIHPTV PN PYNLLSGLPPS	800
Spliced_gagpolpro	QY PM SH EA RLGIKPHIQ RL LDQ GI L VP CQSPWNTPLLPV KK PGTNDY RP VQDL RE VNKRVEDIHPTV PN PYNLLSGLPPS	800
Majority	HQ WY TVL DL KDAFF CL RLHPT SQ PLFAF EW RDPEM GI SGQLTW TR LPQ GF KNSPTLF DE ALHRDLADFRI QH PD IL LQY	
	810 820 830 840 850 860 870 880	
Full_length_gagpolpro	HQ WY TVL DL KDAFF CL RLHPT SQ PLFAF EW RDPEM GI SGQLTW TR LPQ GF KNSPTLF DE ALHRDLADFRI QH PD IL LQY	880
Spliced_gagpolpro	HQ WY TVL DL KDAFF CL RLHPT SQ PLFAF EW RDPEM GI SGQLTW TR LPQ GF KNSPTLF DE ALHRDLADFRI QH PD IL LQY	880
Majority	V DD LLAATSELD CQ G XX XX	
	890 900 910 920 930 940 950 960	
Full_length_gagpolpro	V DD LLAATSELD CQ G XX XX	960
Spliced_gagpolpro	V DD LLAATSELD CQ G-----	897

