

MCV_339 MAPKRKASSTCKTPKRQCIKPGCCPNVASVPKLLVKGGVEVLSVVTGED
MCV_350 MAPKRKASSTCKTPKRQCIKPGCCPNVASVPKLLVKGGVEVLSVVTGED
1.....10.....20.....30.....40.....

BC loop

MCV_339 SITQIELYLNPRMGVNSPDLPTTSN**WYTYTYDLQPKGSSPDQPIKENLPA**
MCV_350 SITQIELYLNPRMGVNSPDLPTTSN**WYTYTYDLQPKGSSPDQPIKENLPA**
51.....60.....70.....80.....90.....

DE loop

MCV_339 YSVARVSLPMLNEDITCDTLQWEAISVKTEVVGISSLIN**VHYWDMKRVH**
MCV_350 YSVARVSLPMLNEDITCDTLQWEAISVKTEVVGISSLIN**VHYWDMKRVH**
101.....110.....120.....130.....140.....

MCV_339 **DYGAGIPVS**GVNYHMFAIGGEPLDLQGLVLDYQ**TQ**YPKTTNGGPITITETV
MCV_350 **DYGAGIPVS**GVNYHMFAIGGEPLDLQGLVLDYQ**TE**YPKTTNGGPITITETV
151.....160.....170.....180.....190.....

MCV_339 LGRKMTPKNQGLDPQAKAKLDKDGNYPIEVWCPDPSKNENSRYYGSIQTG
MCV_350 LGRKMTPKNQGLDPQAKAKLDKDGNYPIEVWCPDPSKNENSRYYGSIQTG
201.....210.....220.....230.....240.....

HI loop

MCV_339 SQTPTVLQFSNTLTTVLLDENGVGPLCKGDGLFISCA**D**IVGFLFKTSGKM
MCV_350 SQTPTVLQFSNTLTTVLLDENGVGPLCKGDGLFISCA**H**IVGFLFKTSGKM
251.....260.....270.....280.....290.....

MCV_339 ALHGLPRYFNVTLRK**R**WVKNPYPVVNLINSLFSNLMPKVSQPMEGKDNQ
MCV_350 ALHGLPRYFNVTLRK**I**WVKNPYPVVNLINSLFSNLMPKVSQPMEGKDNQ
301.....310.....320.....330.....340.....

MCV_339 VEEVRIYEGSEQLPG**D**PDIVRFLDKFGQEKTVYPKPSVAPAAVTFQSNQQ
MCV_350 VEEVRIYEGSEQLPG**N**PDIVRFLDKFGQEKTVYPKPSVAPAAVTFQSNQQ
351.....360.....370.....380.....390.....

MCV_339 DKGKAPLKGPQKASQKESQTQ**EL**
MCV_350 DKGKAPLKGPQKASQKESQTQ**QL**
401.....410.....420..