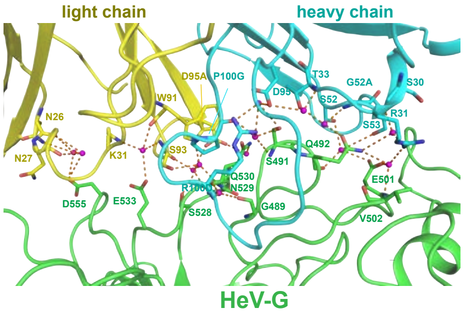
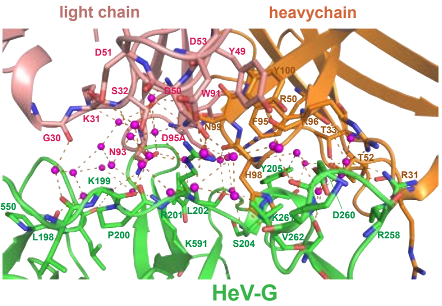
Supplemental Figure S4, Related to Figures 3 and 4

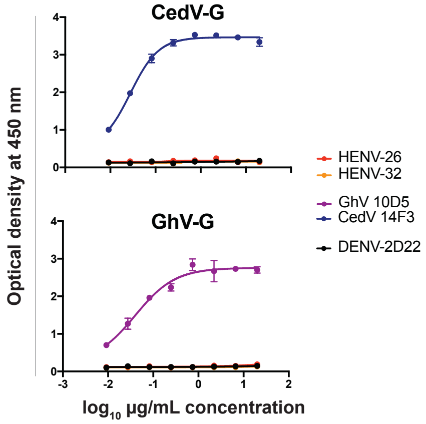
A. HENV-26 and HeV G complex



B. HENV-32 and HeV G complex

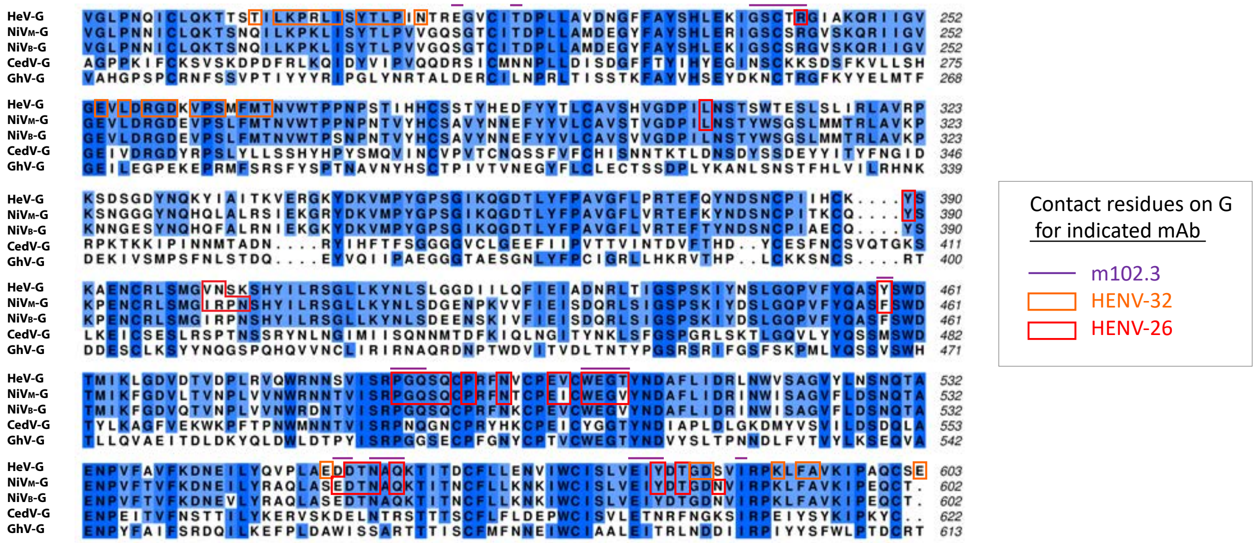


C. Binding to CedV or GhV



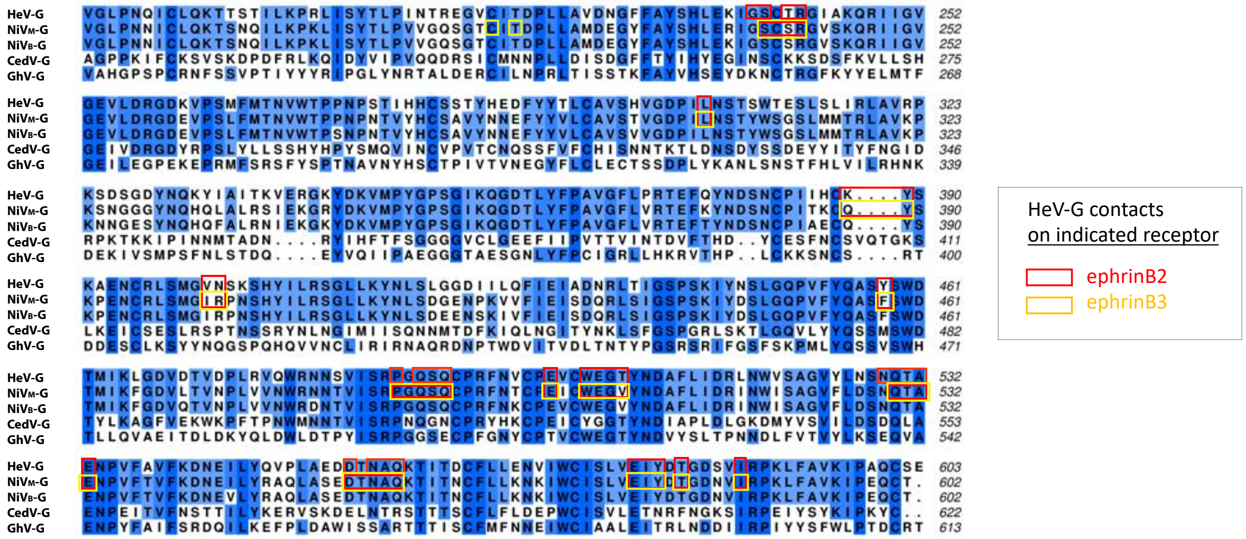
D. Sequence alignment of five henipavirus G proteins

Residues on HeV-G or NiV$_\text{M}$-G recognized by mAb HENV-26, HENV-32 or m102.3



```
HeV-G   VGLPNQICLQKTTSTILKPRLISYTLPINTREGVCITDPLLAVDNGFAYSHLEKIGSCTRGIAKQRIIGV  252
NiVM-G  VGLPNNICLQKTSNQILKPKLISYTLPVVGQSGTCITDPLLAMDEGYFAYSHLERIGSCSRGVSKQRIIGV  252
NiVB-G  VGLPNNICLQKTSNQILKPKLISYTLPVVGQSGTCITDPLLAMDEGYFAYSHLEKIGSCSRGVSKQRIIGV  252
CedV-G  AGPPKIFCKSVSKDPDFRLKQIDYVIPVQQDRSICMNNPLLDISDGFFTYIHYEGINSCKKSDSFKVLLSH  275
GhV-G   VAHGPSPCRNFSSVPTIYYYRIPGLYNRTALDERCILNPRLTISSTKFAYVHSEYDKNCTRGFKYYELMTF  268

HeV-G   GEVLDRGDKVPSMFMTNVWTPPNPSTIHHCSSTYHEDFYYTLCAVSHVGDPILNSTSWTESLSLIRLAVRP  323
NiVM-G  GEVLDRGDEVPSLFMTNVWTPPNPNTVYHCSAVYNNEFYYVLCAVSTVGDPILNSTYWSGSLMMTRLAVKP  323
NiVB-G  GEVLDRGDEVPSLFMTNVWTPSNPNTVYHCSAVYNNEFYYVLCAVSVVGDPILNSTYWSGSLMMTRLAVKP  323
CedV-G  GEIVDRGDYRPSLYLLSSHYHPYSMQVINCVPVTCNQSSFVFCHISNNTKTLDNSDYSSDEYYITYFNGID  346
GhV-G   GEILEGPEKEPRMFSRSFYSPTNAVNYHSCTPIVTVNEGYFLCLECTSSDPLYKANLSNSTFHLVILRHNK  339

HeV-G   KSDSGDYNQKYIAITKVERGKYDKVMPYGPSGIKQGDTLYFPAVGFLPRTEFQYNDSNCPIIHCK....YS  390
NiVM-G  KSNGGGYNQHQLALRSIEKGRYDKVMPYGPSGIKQGDTLYFPAVGFLVRTEFKYNDSNCPITKCQ....YS  390
NiVB-G  KNNGESYNQHQFALRNIEKGKYDKVMPYGPSGIKQGDTLYFPAVGFLVRTEFTYNDSNCPIAECQ....YS  390
CedV-G  RPKTKKIPINNMTADN....RYIHFTFSGGGGVCLGEEFIIPVTTVINTDVFTHD..YCESFNCSVQTGKS  411
GhV-G   DEKIVSMPSFNLSTDQ....EYVQIIPAEGGGTAESGNLYFPCIGRLLHKRVTHP..LCKKSNCS....RT  400

HeV-G   KAENCRLSMGVNSKSHYILRSGLLKYNLSLGGDIILQFIEIADNRLTIGSPSKIYNSLGQPVFYQASYSWD  461
NiVM-G  KPENCRLSMGIRPNSHYILRSGLLKYNLSDGENPKVVFIEISDQRLSIGSPSKIYDSLGQPVFYQASFSWD  461
NiVB-G  KPENCRLSMGIRPNSHYILRSGLLKYNLSDEENSKIVFIEISDQRLSIGSPSKIYDSLGQPVFYQASFSWD  461
CedV-G  LKEICSESLRSPTNSSRYNLNGIMIISQNNMTDFKIQLNGITYNKLSFGSPGRLSKTLGQVLYYQSSMSWD  482
GhV-G   DDESCLKSYYNQGSPQHQVVNCLIRIRNAQRDNPTWDVITVDLTNTYPGSRSRIFGSFSKPMLYQSSVSWH  471

HeV-G   TMIKLGDVDTVDPLRVQWRNNSVISRPGQSQCPRFNVCPEVCWEGTYNDAFLIDRLNWVSAGVYLNSNQTA  532
NiVM-G  TMIKFGDVLTVNPLVVNWRNNTVISRPGQSQCPRFNTCPEICWEGVYNDAFLIDRINWISAGVFLDSNQTA  532
NiVB-G  TMIKFGDVQTVNPLVVNWRDNTVISRPGQSQCPRFNKCPEVCWEGVYNDAFLIDRINWISAGVFLDSNQTA  532
CedV-G  TYLKAGFVEKWKPFTPNWMNNTVISRPNQGNCPRYHKCPEICYGGTYNDIAPLDLGKDMYVSVILDSDQLA  553
GhV-G   TLLQVAEITDLDKYQLDWLDTPYISRPGGSECPFGNYCPTVCWEGTYNDVYSLTPNNDLFVTVYLKSEQVA  542

HeV-G   ENPVFAVFKDNEILYQVPLAEDDTNAQKTITDCFLLENVIWCISLVEIYDTGDSVIRPKLFAVKIPAQCSE  603
NiVM-G  ENPVFTVFKDNEILYRAQLASEDTNAQKTITNCFLLKNKIWCISLVEIYDTGDNVIRPKLFAVKIPEQCT.  602
NiVB-G  ENPVFTVFKDNEVLYRAQLASEDTNAQKTITNCFLLKNKIWCISLVEIYDTGDNVIRPKLFAVKIPEQCT.  602
CedV-G  ENPEITVFNSTTILYKERVSKDELNTRSTTTSCFLFLDEPWCISVLETNRFNGKSIRPEIYSYKIPKYC..  622
GhV-G   ENPYFAIFSRDQILKEFPLDAWISSARTTTISCFMFNNEIWCIAALEITRLNDDIIRPIYYSFWLPTDCRT  613
```

Residues on HeV-G or NiV-G contacting ephrinB2 or ephrinB3 receptor



```
HeV-G   VGLPNQICLQKTTSTILKPRLISYTLPINTREGVCITDPLLAVDNGFAYSHLEKIGSCTRGIAKQRIIGV  252
NiVM-G  VGLPNNICLQKTSNQILKPKLISYTLPVVGQSGTCITDPLLAMDEGYFAYSHLERIGSCSRGVSKQRIIGV  252
NiVB-G  VGLPNNICLQKTSNQILKPKLISYTLPVVGQSGTCITDPLLAMDEGYFAYSHLEKIGSCSRGVSKQRIIGV  252
CedV-G  AGPPKIFCKSVSKDPDFRLKQIDYVIPVQQDRSICMNNPLLDISDGFFTYIHYEGINSCKKSDSFKVLLSH  275
GhV-G   VAHGPSPCRNFSSVPTIYYYRIPGLYNRTALDERCILNPRLTISSTKFAYVHSEYDKNCTRGFKYYELMTF  268

HeV-G   GEVLDRGDKVPSMFMTNVWTPPNPSTIHHCSSTYHEDFYYTLCAVSHVGDPILNSTSWTESLSLIRLAVRP  323
NiVM-G  GEVLDRGDEVPSLFMTNVWTPPNPNTVYHCSAVYNNEFYYVLCAVSTVGDPILNSTYWSGSLMMTRLAVKP  323
NiVB-G  GEVLDRGDEVPSLFMTNVWTPSNPNTVYHCSAVYNNEFYYVLCAVSVVGDPILNSTYWSGSLMMTRLAVKP  323
CedV-G  GEIVDRGDYRPSLYLLSSHYHPYSMQVINCVPVTCNQSSFVFCHISNNTKTLDNSDYSSDEYYITYFNGID  346
GhV-G   GEILEGPEKEPRMFSRSFYSPTNAVNYHSCTPIVTVNEGYFLCLECTSSDPLYKANLSNSTFHLVILRHNK  339

HeV-G   KSDSGDYNQKYIAITKVERGKYDKVMPYGPSGIKQGDTLYFPAVGFLPRTEFQYNDSNCPIIHCK....YS  390
NiVM-G  KSNGGGYNQHQLALRSIEKGRYDKVMPYGPSGIKQGDTLYFPAVGFLVRTEFKYNDSNCPITKCQ....YS  390
NiVB-G  KNNGESYNQHQFALRNIEKGKYDKVMPYGPSGIKQGDTLYFPAVGFLVRTEFTYNDSNCPIAECQ....YS  390
CedV-G  RPKTKKIPINNMTADN....RYIHFTFSGGGGVCLGEEFIIPVTTVINTDVFTHD..YCESFNCSVQTGKS  411
GhV-G   DEKIVSMPSFNLSTDQ....EYVQIIPAEGGGTAESGNLYFPCIGRLLHKRVTHP..LCKKSNCS....RT  400

HeV-G   KAENCRLSMGVNSKSHYILRSGLLKYNLSLGGDIILQFIEIADNRLTIGSPSKIYNSLGQPVFYQASYSWD  461
NiVM-G  KPENCRLSMGIRPNSHYILRSGLLKYNLSDGENPKVVFIEISDQRLSIGSPSKIYDSLGQPVFYQASFSWD  461
NiVB-G  KPENCRLSMGIRPNSHYILRSGLLKYNLSDEENSKIVFIEISDQRLSIGSPSKIYDSLGQPVFYQASFSWD  461
CedV-G  LKEICSESLRSPTNSSRYNLNGIMIISQNNMTDFKIQLNGITYNKLSFGSPGRLSKTLGQVLYYQSSMSWD  482
GhV-G   DDESCLKSYYNQGSPQHQVVNCLIRIRNAQRDNPTWDVITVDLTNTYPGSRSRIFGSFSKPMLYQSSVSWH  471

HeV-G   TMIKLGDVDTVDPLRVQWRNNSVISRPGQSQCPRFNVCPEVCWEGTYNDAFLIDRLNWVSAGVYLNSNQTA  532
NiVM-G  TMIKFGDVLTVNPLVVNWRNNTVISRPGQSQCPRFNTCPEICWEGVYNDAFLIDRINWISAGVFLDSNQTA  532
NiVB-G  TMIKFGDVQTVNPLVVNWRDNTVISRPGQSQCPRFNKCPEVCWEGVYNDAFLIDRINWISAGVFLDSNQTA  532
CedV-G  TYLKAGFVEKWKPFTPNWMNNTVISRPNQGNCPRYHKCPEICYGGTYNDIAPLDLGKDMYVSVILDSDQLA  553
GhV-G   TLLQVAEITDLDKYQLDWLDTPYISRPGGSECPFGNYCPTVCWEGTYNDVYSLTPNNDLFVTVYLKSEQVA  542

HeV-G   ENPVFAVFKDNEILYQVPLAEDDTNAQKTITDCFLLENVIWCISLVEIYDTGDSVIRPKLFAVKIPAQCSE  603
NiVM-G  ENPVFTVFKDNEILYRAQLASEDTNAQKTITNCFLLKNKIWCISLVEIYDTGDNVIRPKLFAVKIPEQCT.  602
NiVB-G  ENPVFTVFKDNEVLYRAQLASEDTNAQKTITNCFLLKNKIWCISLVEIYDTGDNVIRPKLFAVKIPEQCT.  602
CedV-G  ENPEITVFNSTTILYKERVSKDELNTRSTTTSCFLFLDEPWCISVLETNRFNGKSIRPEIYSYKIPKYC..  622
GhV-G   ENPYFAIFSRDQILKEFPLDAWISSARTTTISCFMFNNEIWCIAALEITRLNDDIIRPIYYSFWLPTDCRT  613
```