

Coxsackievirus B3 3Cpro	1	GP--AFEFAVAMMK---RNSSTVKTEYG-----EFTMLGIYDRWAVLPRHAKPGP-----TILMN
Enterovirus D68 3Cpro	1	GP--GFDFAQAIMK---KNTVIARTEKG-----EFTMLGVYDRVAVIPHTHASVGE-----IIYIN
Poliovirus 1 3Cpro	1	GP--GFDYAVAMAK---RNIVTATTSKG-----EFTMLGVHDNVAILPHTHASPGE-----SIVID
Rhinovirus A 3Cpro	1	GP--EEEEGRSILK---NNTCVITTDNG-----KFTGLGIYDKTLIIPHTHADPGR-----EVQVN
Enterovirus 71 3Cpro	1	GP--SLDFALSLLR---RNIRQAQTDQG-----HFTMLGVRDRLAILPRHSQPGK-----TIWVE
Hepatitis A virus 3Cpro	1	S---TLEIAGLVRK---NLVQFGVGEGKNCVR---WVMNALGVKDDWLLVPSHAYKFEKDYEMMEFYFNRG
Rosavirus A2 3Cpro	1	GL--PQIYRPVVANCFPINFYDCDPRDNARSGGVFTLTAVGMYDRTYICNAHGFKDA-----THIGLR
EMCV 3Cpro	1	GPNPTMDFEKFVAK-FVTAPIGFVYPTGV-----STQTCLLVKGRTLAVNRHMAESD-----WTSIVVR
Aichi virus 3Cpro	1	G-----ISPAVPG-ISNNVVHVESGNGLNK---NVMSGFYIFSRFLLVPTHLEPH-----HTTLTVG
Salivirus A 3Cpro	1	G-----FDPAVMK-IMGNVDSFVTLSGTKP--IWTMSCLWIGGRNLIAPSHAFVSD---EYEITHIRVG
Parechovirus A 3Cpro	1	AP-----YDQGLEHIIISQMAYITGSTTG-----HITHCAGYQHDEIILHGHSIKYL--EQEELTLHYK

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Coxsackievirus B3 3Cpro	51	DQEVGVLDAKEL-VDKDGTNLELTLLKLNREKFRDIRGFLAKEEV---EVNEAVLAINTS-KFPNMYI
Enterovirus D68 3Cpro	51	DVETRVLDACAL-RDLTDTNLEITIVKLDNRNQKFRDIRHFLPRCED---DYNDAVLSVHTS-KFPNMYI
Poliovirus 1 3Cpro	51	GKEVEILDAKAL-EDQAGTNLEITITILKRNEKFRDIRPHIPTQIT---ETNDGVLIVNTS-KYPNMYV
Rhinovirus A 3Cpro	51	GIHTKVLDSDYL-YNRDGVKLEITVIKLDNRNEKFRDIRKYIPETED---DYPECNLALSAN-QVEPTII
Enterovirus 71 3Cpro	51	HKLINVLDAVEL-VDEQGVNLELTTLVLTDTNEKFRDITKFIPEVIT---GASDATLVINTE-HMPSMFV
Hepatitis A virus 3Cpro	63	GTYYISISAGNVVQISLDVGFQDVVLMKVPTIPKFRDITQHFIIKKGDV-PRALNRLATLVTTV-NGTPMLI
Rosavirus A2 3Cpro	62	GRVYPISEIKHVRNRHRTDLMIFQIPDGDCVRNILKYFRKSPK---EAPSRSPAVMAVRGKFNIDV
EMCV 3Cpro	59	GVSHTRSSVKIIAIAKAGKETDVSFIRLSSGPLFRDNTSKFVKASDVLP---HSSSPALIGIMNV DIPMMY
Aichi virus 3Cpro	55	ADTYDWATLQTQ-----EFGEITIVHTPTSRQYKDMRRFIGAHP-----HPTGLLVSQF-KAAPLYV
Salivirus A 3Cpro	59	SRTLDSRVTRV-----DDGELSLLSVPDGPPEHKSILIRYIRSAS-----PKSGILASKF-SDTPVFV
Parechovirus A 3Cpro	58	NKVFPIEQPSVTQVTLLGGKPMDLAIVKCKLPFRFKNSKYITNKI-----GTESMLIWMTEQGIITKE

Coxsackievirus B3 3Cpro	114	---PVGQVTEYGFLNLGGTPTK-----RMLMYNFPTRAGQCGGVLMs-----TGKVLGIHVGG-NGHQ-
Enterovirus D68 3Cpro	114	---PVGQVTNYGFLNLGGTPTH-----RILMYNFPTRAGQCGGVVTT-----TGKVIGIHVGG-NGAQ-
Poliovirus 1 3Cpro	114	---PVGAVTEQGYLNLGGRQTA-----RTLMYNFPTRAGQCGGVITC-----TGKVIGMHVGG-NGSH-
Rhinovirus A 3Cpro	114	---KVGDVVSYGNILLSGNQTA-----RMLKYNYPKSGYCGGVLYK-----IGQILGIHVGG-NGRD-
Enterovirus 71 3Cpro	114	---PVGDDVVQYGFLNLSGKPTH-----RTMMYNFPKAGQCGGVVTS-----VGKIIIGIHIGG-NGRQ-
Hepatitis A virus 3Cpro	131	SEGPLKMEEKATYVHKKNDGTTVDLTDVQAWRGKGEGLPGMCGGALVSSNQSIQNAILGIHVAG--GNSI
Rosavirus A2 3Cpro	127	---LATCVESFAFVQMSGDVNY-----GALRYHAMTMPGYCGAPLISNDKA-AEKVLGIHMAS-NGAGI
EMCV 3Cpro	126	T--GTFLKAGVSVPVETGQTFN-----HCIHYKANTRKGWCGSAILADLGG-SKKILGFHSAG---SM-
Aichi virus 3Cpro	110	---RISDNRI LDLDFPGVVVCK-----QAYGYRAATFEGLCGSPLVTDDPS-GVKILGLHVAGVAGTS-
Salivirus A 3Cpro	114	---SFWNGKSHSTPLPGVVDEK-----DSFTYRCSSFGQLCGSPMIATDPG-GLGILGIHVAGVAGYN-
Parechovirus A 3Cpro	120	---VQRVHSHSGGIKTREGTEST-----KTISYTVKSCCKGMC GGLLISKVEG-NFKILGMHIAG-NGEM-

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Coxsackievirus B3 3Cpro	169	GFSAA--LLKHYFNDE-----
Enterovirus D68 3Cpro	169	GFAAM--LLHSYFTDTQ-----
Poliovirus 1 3Cpro	169	GFAAA--LKRSYFTQSQ-----
Rhinovirus A 3Cpro	169	GFSAM--LLRSYFTDTQ-----
Enterovirus 71 3Cpro	169	GFCAG--LKRSYFASE-----
Hepatitis A virus 3Cpro	199	LVAKL--VTQEMFQNIIDKKIE-SQ
Rosavirus A2 3Cpro	187	AYGTS--VYQSDFENLE-----YE
EMCV 3Cpro	183	GVAASIIISQEMIDAVVQAFE-PQ
Aichi virus 3Cpro	170	GFSAP--IHP-ILGQITQFATTQQ
Salivirus A 3Cpro	174	GFSAR--LTPERVQAFLSHLATPQ
Parechovirus A 3Cpro	179	GVAIPFNFLKNDMSD-----Q