

Table S2. NS3 peptide array used in the current study (supplied by BEI Resources, ATCC, Manassas Virginia, USA)

A) NS3 peptides of genotype 3a

<i>ID</i>	<i>Sequence</i>	<i>ID</i>	<i>Sequence</i>	<i>ID</i>	<i>Sequence</i>
1	APITAYAQQTRGLLGTIV	34	KVPAAYVAQGYNVLVL	67	CNVAVEQYVDFSLDPTF
2	AQQTRGLLGTIVTSLTGR	35	YVAQGYNVLVLNPSVAA	68	EQYVDFSLDPTFSIETCTA
3	LGTIVTSLTGRDKNVVA	36	NVLVLNPSVAATLGFSGF	69	DPTFSIETCTAPQDAVSR
4	SLTGRDKNVAGEVQVL	37	SVAATLGFSGFMSRAYGI	70	TCTAPQDAVSRSQRRGR
5	KNVVAGEVQVLSTATQTF	38	FGSFMSRAYGIDPNIR	71	DAVSRSQRRGRTGRGRL
6	VQVLSTATQTFLGTTV	39	SRAYGIDPNIRTGNRTV	72	SQRRGRTGRGRLGTYRYV
7	TATQTFLGTTVGGVMWTV	40	DPNIRTGNRTVTTGAKL	73	GRGRLGTYRYVTPGER
8	GTTVGGVMWTVYHGAGSR	41	GNRTVTTGAKLTYSTYK	74	GTYRYVTPGERPSGMF
9	MWTVYHGAGSRTLAVKH	42	GAKLTYSTYKFLAGGGC	75	VTPGERPSGMFDSVVL
10	AGSRTLAVKHPALQMY	43	TYGFLAGGGCSGGAYDV	76	RPSGMFDSVVLCECYDA
11	AGVKHPALQMYTNVDQDL	44	GGGCSGGAYDVICDDCH	77	DSVVLCECYDAGCSWYDL
12	LQMYTNVDQDLVGWPA	45	AYDVICDDCHAQDATSI	78	CYDAGCSWYDLQPAETTV
13	NVDQDLVGWPAPPGAKSL	46	DDCHAQDATSILGIGTVL	79	WYDLQPAETTVRLRAYL
14	GWPAPPGAKSLEPCTCGSA	47	ATSILGIGTVLDQAETA	80	AETTVRLRAYLSTPGLPV
15	KSLEPCTCGSADLYLVTR	48	IGTVLDQAETAGVRLTVL	81	RAYLSTPGLPVCQDHLDL
16	CGSADLYLVTRDADVIPA	49	AETAGVRLTVLATATPPG	82	GLPVCQDHLDLWESVF
17	LVTRDADVIPARRRGDSTA	50	LTVLATATPPGSITVPH	83	CQDHLDLWESVFTGLTHI
18	IPARRRGDSTASLLSPR	51	ATPPGSITVPHSNIEEVA	84	WESVFTGLTHIDAHFL
19	GDSTASLLSPRPLARLK	52	TVPHSNIEEVALGSEGEI	85	TGLTHIDAHFLSQTQKA
20	LLSPRPLARLKGSSGGPV	53	EEVALGSEGEIPFYGKAI	86	DAHFLSQTQKAGLNFSYL
21	ARLKGSSGGPVMCPSGHV	54	EGEIPFYGKAIPACIK	87	TKQAGLNFSYLTAYQATV
22	GGPVMCPSGHVAGIFRAA	55	YGKAIPACIKGGRHLIF	88	FSYLTAYQATVCARAQA
23	SGHVAGIFRAAVCTRGVA	56	ACIKGGRHLIFCHSKKK	89	YQATVCARAQAPPPSW
24	FRAAVCTRGVAKALQFI	57	RHLIFCHSKKKCDKMASK	90	CARAQAPPPSWDETWKCL
25	TRGVAKALQFIPVETL	58	SKKKCDKMASKLRGMGL	91	PPSWDETWKCLVRLKPTL
26	KALQFIPVETLSTQAR	59	KMASKLRGMGLNAVAYYR	92	WKCLVRLKPTLHGPTPLL
27	IPVETLSTQARSPSF	60	GMGLNAVAYYRGLDVSVI	93	KPTLHGPTPLLYRLGPV
28	TLSTQARSPSFSDNSTPPA	61	AYYRGLDVSVIPTTGDVV	94	PTPLLYRLGPVQNEICL
29	PSFSDNSTPPAVPQSYQV	62	VSVIPTTGDVVVCATDAL	95	RLGPVQNEICLTHPITKY
30	TPPAVPQSYQVGYLHA	63	GDVVVCATDALMTGF	96	EICLTHPITKYVMACMSA
31	PQSYQVGYLHAPTGSBK	64	VCATDALMTGFTGDFDSV	97	ITKYVMACMSADLEVTT
32	GYLHAPTGSBKSTKVPAA	65	MTGFTGDFDSVIDCNVAV		
33	GSGKSTKVPAAAYVAQGY	66	FDSVIDCNVAVEQYVDF		

B) NS3 peptides of GT1a

<i>ID</i>	<i>Sequence</i>	<i>ID</i>	<i>Sequence</i>	<i>ID</i>	<i>Sequence</i>
1	DGMVSKGWRLAPITAYA	32	AHLHAPTGSKGSTKVPAA	63	GFTGDFDSVIDCNTCVTQ
2	WRLAPITAYAQQTRGLL	33	GSGKSTKVPAAAYAAQGYK	64	SVIDCNTCVTQTVDFSLD
3	TAYAQQTRGLLGCIITSL	34	VPAAYAAQGYKVLVLNPS	65	CVTQTVDFSLDPTFTIET
4	RGLLGCIITSLTGRDKNQ	35	QGYKVLVLNPSVAATLGF	66	FSLDPTFTIETTLPQDA
5	ITSLTGRDKNQVEGEVQI	36	LNPSVAATLGFAYMSKA	67	TIETTLPQDAVSRTQRR
6	DKNQVEGEVQIVSTATQT	37	TLGFAYMSKAHGVDPN	68	PQDAVSRTQRRGRTGRGK
7	EVQIVSTATQTFLAT	38	MSKAHGVDPNIRTGVRTI	69	TQRRGRTGRGKPGIYRFV
8	VSTATQTFLATCIN	39	DPNIRTGVRTIITGSPIT	70	GRGKPGIYRFVAPGERPS
9	ATQTFLATCINGVCWTVY	40	VRTIITGSPITYSTYGKF	71	YRFVAPGERPSGMFDSSV
10	TCINGVCWTVYHGAGTRT	41	SPITYSTYGKFLADGGCS	72	ERPSGMFDSSVLCECYDA
11	WTVYHGAGTRTIASPKGP	42	YGKFLADGGCSGGAYDII	73	DSSVLCECYDAGCAWYEL
12	GTRTIASPKGPVIQMYTN	43	GGCSGGAYDIIICDECHS	74	CYDAGCAWYELTPAE
13	PKGPVIQMYTNVDQDLVG	44	YDIIICDECHSTDATSIL	75	GCAWYELTPAETTV
14	MYTNVDQDLVWPAPQGS	45	ECHSTDATSILGIGTVLD	76	WYELTPAETTVRLRAYMN
15	DLVWPAPQGSRSRSLPCT	46	TSILGIGTVLDQAETAGA	77	ETTVRLRAYMNTPLPVC
16	PQGSRSRSLPCTCGSSDLY	47	TVLDQAETAGARLVVLAT	78	AYMNTPLPVCQDHFLEW
17	TPCTCGSSDLYLVTRHAD	48	TAGARLVVLATATPPGSV	79	LPVCQDHFLEWEGVFTGL
18	SDLYLVTRHADVIPVRRR	49	VLATATPPGSVTVSHPN	80	LEFWEGVFTGLTHIDAHF
19	RHADVIPVRRRGDSRGS	50	PGSVTVSHPNIEVALST	81	FTGLTHIDAHFSLQTKQS
20	VRRRGDSRGSLLSPRPIS	51	HPNIEVALSTGEIPFY	82	DAHFLSQTQKQSGENFPYL
21	RGSLLSPRPISYKGS	52	ALSTGEIPFYGKAIPLE	83	TKQSGENFPYLVAYQATV
22	RPISYKGSGLPCPA	53	IPFYGKAIPLEVIKGRH	84	FPYLVAYQATVCARAQAP
23	GSSGGPLPCPAGHAVGLF	54	IPLEVIKGRHLIFCHSK	85	QATVCARAQAPPSWDQM
24	LCPAGHAVGLFRAAVCTR	55	GGRHLIFCHSKKCCDELA	86	AQAPPSWDQMWKCLIRL
25	VGLFRAAVCTRGVAKAVD	56	CHSKKCCDELAALVALG	87	WDQMWKCLIRLKLHGP
26	VCTRGVAKAVDFIPVENL	57	DELAALVALGINAVAYY	88	LIRLKLHGPPLLYRL
27	KAVDFIPVENLETTMRSP	58	VALGINAVAYYRGLDVS	89	LHGPTPLLYRLGAVQNEV
28	VENLETTMRSPVFTDNSS	59	VAYYRGLDVSIVIPTSGDV	90	LYRLGAVQNEVTLHPIT
29	MRSPVFTDNSSPPAVPQS	60	DVSIVIPTSGDVVVVSTDA	91	QNEVTLHPITKYIMTCM
30	DNSSPPAVPQSFQVAHLH	61	SGDVVVVSTDALMTGFTG	92	HPITKYIMTCMSADLEVV
31	VPQSFQVAHLHAPTGS	62	STDALMTGFTGDFDSVID	93	MTCMSADLEVVTSTWVLV