

**Supplementary Table 1: Linear B cell c-TXNPx epitopes predicted by
Bepipred 2.0.**

Rank	Sequence	Location	Mean residue score ^{a)}
1	SIERKRGGLGQ	89-99	0.594
2	DAKLNHPAPDF	5-15	0.558
3	NDLPVGRDV	145-153	0.558
4	VLKEEDG	118-124	0.557
5	KPGDKTMKPDPEK	178-190	0.550
6	NGTF	23-26	0.542
7	SHLA	83-86	0.538

a) Mean residue score is the average of each amino acid score in the predicted peptide.

Supplementary Table 2: Conformational B-cell epitope prediction performed by DiscoTope 2.0.

Epitope Residue	Monomer	Aminoacid position	DiscoTope score
K	A	93	-2.350
K	A	168	-2.815
H	A	169	-2.616
G	A	170	-0.270
G	A	180	-2.669
K	A	182	-2.405
K	A	185	-2.447
D	A	187	-2.998
E	A	189	-2.958
K	A	190	-1.910
K	A	192	-2.458
E	A	193	-1.894
G	A	196	-1.934
A	A	197	-2.061
K	B	93	-2.381
R	B	94	-3.617
K	B	168	-3.141
H	B	169	-2.565
G	B	170	-0.202
G	B	180	-2.298
K	B	182	-2.352
K	B	185	-2.300

D	B	187	-2.757
E	B	189	-2.651
K	B	190	-1.921
K	B	192	-2.217
E	B	193	-2.137
G	B	196	-1.815
A	B	197	0.001
K	C	93	-2.369
K	C	168	-2.686
H	C	169	-2.574
G	C	170	-0.226
G	C	180	-2.589
K	C	182	-2.339
K	C	185	-2.444
D	C	187	-2.550
E	C	189	-2.840
K	C	190	-1.901
K	C	192	-2.442
E	C	193	-2.015
G	C	196	-2.010
A	C	197	-0.151
K	D	93	-2.358
R	D	94	-3.561
K	D	168	-2.710
H	D	169	-2.641
G	D	170	-0.293
G	D	180	-2.665

K	D	182	-2.302
K	D	185	-2.154
D	D	187	-3.026
E	D	189	-2.787
K	D	190	-2.127
K	D	192	-2.458
E	D	193	-2.243
G	D	196	-1.893
A	D	197	-2.063
K	E	93	-2.416
R	E	94	-3.634
K	E	168	-2.708
H	E	169	-2.551
G	E	170	-0.337
G	E	180	-2.679
K	E	182	-2.424
K	E	185	-2.405
E	E	189	-2.933
K	E	190	-2.001
K	E	192	-2.355
E	E	193	-2.302
G	E	196	-1.989
A	E	197	-1.998
K	F	93	-2.355
R	F	94	-3.574
K	F	168	-2.811
H	F	169	-2.587

G	F	170	-0.258
G	F	180	-2.630
K	F	182	-2.375
K	F	185	-2.447
D	F	187	-3.004
E	F	189	-2.940
K	F	190	-1.887
K	F	192	-2.312
E	F	193	-2.221
G	F	196	-1.808
A	F	197	-2.333
K	G	93	-4.804
K	G	168	-2.801
H	G	169	-2.338
G	G	170	-0.230
G	G	180	-2.402
K	G	182	-2.238
K	G	185	-2.308
D	G	187	-3.588
E	G	189	-2.678
K	G	190	-2.170
K	G	192	-2.300
E	G	193	-2.229
G	G	196	-1.915
A	G	197	-0.041
K	H	93	-2.369
K	H	168	-2.827

H	H	169	-2.410
G	H	170	-0.321
G	H	180	-2.506
K	H	182	-2.446
K	H	185	-2.377
E	H	189	-2.664
K	H	190	-2.258
K	H	192	-2.320
E	H	193	-2.246
G	H	196	-2.442
A	H	197	-1.963
K	I	93	-2.371
R	I	94	-3.571
K	I	168	-2.700
H	I	169	-2.632
G	I	170	-0.010
G	I	180	-2.543
K	I	182	-2.529
K	I	185	-2.048
D	I	187	-3.431
E	I	189	-2.757
K	I	190	-2.116
K	I	192	-2.435
E	I	193	-2.006
G	I	196	-1.756
A	I	197	-2.060
K	J	93	-2.394

R	J	94	-3.619
K	J	168	-2.813
H	J	169	-2.560
G	J	170	-0.204
G	J	180	-2.583
K	J	182	-2.330
K	J	185	-2.078
D	J	187	-2.740
E	J	189	-2.947
K	J	190	-1.888
K	J	192	-2.421
E	J	193	-2.228
G	J	196	-1.802
A	J	197	-0.016