

## Supporting Information

### Epitopes of naturally acquired and vaccine-induced anti-Ebola virus glycoprotein antibodies in single amino acid resolution

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**Supporting Information Table 1.** Vaccinees with rVSV-ZEBOV

Number	Vaccinee ID
1	119
2	130
3	121
4	126
5	117
6	110
7	118

**Supporting Information Table 2.** Epitopes of Becquart et al., 2014 [40]

Epitope	Position	Sequence
1A	41-55	STLQVSDVDKLVCRD
2A	93-107	PPKVVNYEAGEWAEN
3A	217-239	TIRYQATGFGTNETEYLFVDNL
4A	301-310	IRSEELSFTV
5A	311-359	VSNGAKNISGQSPARTSSDPGTNTTTEDHKIMSENSSAMVQVH SQGRE
6A	381-411	KPGPDNSTHNTVPYKLDISEATQVEQHHRRT
7A	469-483	TGEESASSGKLGLIT

**Supporting Information Table 3.** Epitopes of - Rijal et al., 2019 [41]

Epitope	Position	Sequence
1B	102-230	GEWAENCYNLEIKKPDGSECLPAAPDGIRGFPRCRYVHKVSGTG PCAGDFAFHKEGAFFLYDRLASTVIYRGTTFAEGVVAFLILPQAK KDFSSHPLREPVNATEDPSSGYSTTIRYQATGFGTNET
2B	228-281	NETEYLFVDNLTYVQLESRFTPQFLLQLNETIYTSGKRSNTTGK LIWKVNPEI
3B	286-293	GEWAFWET

**Supporting Information Table 4.** Amino acids of the EBOV GP shown in the structure. Protein Data Bank [43] file 5jq3 [44] – Crystal structure of Ebola glycoprotein.

<b>Resolved</b>	<b>Missing</b>	<b>Affected IgG epitopes</b>
	1 - 31	
32 - 195		
	196 - 210	3S 178 - 199
211 - 284		
	285, 286	
287 - 293		
	294 - 301	6V 291 - 312
302 - 310		
	311 - 469	7V 384 – 407 8S 406 – 427 9V 424 – 449 10V 455 - 473
470 – 478 (unknown)		
	479 - 501	11S 471 – 489
502 - 631		
	632 - 676	13SV 620 – 653