

1 **Table S3** Mapping of epitope #4 based on 391 complete and partial amino acid  
 2 sequences from the NCBI GenBank database.

<b>Linear A27 epitope aa 9-14</b>	<b>OPXV genera</b>	<b>Number of DB entries</b>
DDDLAI	VARV major	66/67
	VARV minor	2/2
	VACV	60/61
	BPXV	23/26
	HSPV	2/2
	RPXV	2/2
	CMLV	17/18
	CPXV	128/134
	ECTV	13/14
	MPXV	57/57
	TaPXV	2/3
DDDLAI	BPXV	3/26
DDDLAI	SkPXV	3/3
<b><u>N-Terminus truncated</u></b>	VARV major	1/67
	CMLV	1/18
	CPXV	6/133
	ECTV	1/14
	TaPXV	1/3
	RCNV	1/1
	VPXV	1/1
<b><u>RARSPR</u></b>	VACV	1/61

3 Differences within the epitope sequence are highlighted.