

- 1 **Table S6** Mapping of epitope #5 based on 391 complete and partial amino acid sequences  
 2 from the NCBI GenBank database.

<b>Linear A27 epitope aa 68-71</b>	<b>OPXV genera</b>	<b>Number of DB entries</b>
IEKC	VARV major	67/67
	VARV minor	2/2
	VACV	60/61
	BPXV	26/26
	HSPV	2/2
	RPXV	2/2
	CMLV	18/18
	CPXV	132/134
	ECTV	14/14
	MPXV	57/57
	TaPXV	3/3
	RCNV	1/1
	VPXV	1/1
	<u>(aa 93-96)</u> SkPXV	3/3
	<u>(aa 93-96)</u> VACV	1/61
IEK <u>Y</u>	CPXV	1/134
<u>C-Terminus truncated</u>	CPXV	1/134

- 3 Differences within the epitope sequence are highlighted.