

Supplementary Materials: Serology in the Digital Age: Using Long Synthetic Peptides Created from Nucleic Acid Sequences as Antigens in Microarrays

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Table S1. Sequences of the megapeptides used in this paper. GenBank identity numbers of the viral proteins, and the position inside the sequence are included for all of them. The megapeptide code name shown in Figures 3 and 4 is shown in parenthesis.

GenBank Identity Number	Position and Name	Sequences
Zaire_Ebola_AHX24667_GP1_3 85-501	membrane proximal portion of the extracellular part	DNSTHNTVPYKLDISEATQVGQHRRADND STASDTPPATTAAAGPLKAENTNTSKSADSLD LATTSPQNYSETAGNNNTHHQDTGEESASS GKLGLITNTIAGVAGLITGRRTRR
HHV7_YP_073779_gB_161-260	hhv7gb161	NFKSDTVRRYITTKPEFLRNGPLWFYSTSTIN CIVTDCIAKTKYPDFDFFALSTGETVEGSPFYNG INSKTFNEPTEKILFRNNYTMLKTFDDGSKGN FV
HHV7_YP_073779_gB_241-340	hhv7gb241	FRNNYTMLKTFDDGSKGNFVTLTKMAFLEK GNTIFSWEVQNEESSICLLKHWMTIPHALRA ENANSFHFIQELTASFVTGKSNYTLSDSKYN CINSNYT
HHV7_YP_073779_gB_321-420	hhv7gb321	GKSNYTLSDSKYNCINSNYTSILDEIYQTQYN NSHDKNGSYEIFKTEGDLILWQPLIQRKLT LENFSNASRKRKRRELETNKDIVVQLQYLY DTLKD
HHV7_YP_073779_gB_401-500	hhv7gb401	ETNKDIVVQLQYLYDTLKDYINTALGKLAE AWCLNQKRTITVLHELKISPSGIISAVYGKP MSAKLIGDVLAVSKCIEVNQTSVQLHKSMRL TKDSSY
HHV7_YP_073779_gB_481-580	hhv7gb481	VNQTSVQLHKSMRLTKDSSYDALRCYSRPLL TYSFANSSKETYLGQLGLDNEILLGNHRTTEC EQSNTKIFLSGKFAHIFKDYTYVNSSLITEIEAL DAF
HHV7_YP_073779_gB_561-660	hhv7gb561	KDYTYVNSSLITEIEALDAFVDLNIIDPLENAD FTLLELYTKDELSKANVFDLETILREYNSYKSA LHHIETKIATVTPTYIGGIDTFFKGLGALGLGL GA
HHV7_YP_073779_gB_641-740	hhv7gb641	IGGIDTFFKGLGALGLGLGAVLGVTAGALGD VVNGVFSFLKNPFGGALTILLTGVLGLVIFLF LRHKRLAQTPIDILFPYTSKSTNSVLQATQSV QAQV
HHV7_YP_073779_gB_721-823	hhv7gb721	YTSKSTNSVLQATQSVQAQVKEPLDSSPPYLK TNKDTEPQGDDITHTNEYSQVEALKMLKAIK LLDESYKKAIEAEAKKSQRPSLLERIYRGYQ KLSTEEL

Table S1. Cont.

GenBank Identity Number	Position and Name	Sequences
JCV_VP1_1489518_1-102	jcvvp1_1	MAPTKRKGERKDPVQVPKLLIRGGVEVLEVK TGVDSITEVECFLTPMGDPDEHLRGFSKSISI SDTFESDSPNRDMLPCYSVARIPLPNLNEDLT CGNILM
JCV_VP1_1489518_47-148	jcvvp1_47	EMGDPDEHLRGFSKSISISDTFESDSPNRDML PCYSVARIPLPNLNEDLTGCGNILMWEAVTLK TEVIGVTSLMNVHSNGQATHDNGAGKPVQ GTSFHFFSVG
JCV_VP1_1489518_103-218	jcvvp1_103	WEAVTLKTEVIGVTSLMNVHSNGQATHDN GAGKPVQGTSGFHFFSVGGAELELQGVLFNYR TKYPDGTIFPKNATVQSQVMNTEHKAYLDK NKAYPVECWVPDPTRNENTRYFGTLT
JCV_VP1_1489518_149-262	jcvvp1_149	GEALELQGVLFNYRTKYPDGTIFPKNATVQS QVMNTEHKAYLDKNKAYPVECWVPDPTRN ENTRYFGTLTGGENVPPVLHITNTATTVLLDE FGVGPLCKGDONLYLSAVDVCGM
JCV_VP1_1489518_219-334	jcvvp1_219	GGENVPPVLHITNTATTVLLDEFGVGPLCKG DNLYLSAVDVCGMFTNRSGSQWRGLSRYF KVQLRKRRVKNPYPIFLLTDLINRRTPRVDG QPMYGMDAQVEEV RVFEGTEELP
JCV_VP1_1489518_252-354	jcvvp1_252	LYLSAVDVCGMFTNRSGSQWRGLSRYFKV QLRKRRVKNPYPIFLLTDLINRRTPRVDGQP MYGMDAQVEEV RVFEGTEELPGDPDMMRY VDKYGQLQTKML