

SHORT PEPTIDE LIBRARY: HLA-A2 PREDICTED ARG2-DERIVED PEPTIDES				
PEPTIDE NAME	POSITION (AA)	SEQUENCE	PREDICTION ALGORITHM	SCORE (SYFP) OR RANK (NETMHC)
A2S1	2-10	SLRGSLRSL	SYFP & NetMHC	28 (SYFP) and 1.10 (NetMHC)
A2S2	10-18	LLQTRVHSI	SYFP	27
A2S3	18-26	ILKKS SVHSV	SYFP & NetMHC	28 and 1.50
A2S4	53-61	GLMKRLSSL	SYFP & NetMHC	28 and 0.250
A2S5	84-92	NLIVNPRSV	SYFP	24
A2S6	94-102	LANQELAEV	SYFP	25
A2S7	114-122	VTLGGDHSL	SYFP	24
A2S8	166-175	FLLRELQDKV	NetMHC	0.400
A2S9	167-175	LLRELQDKV	SYFP	27
A2S10	170-178	ELQDKVPQL	SYFP	24
A2S11	193-201	IVYIGLRDV	SYFP	23
A2S12	229-237	KVMERTFDL	NetMHC	0.400
A2S13	278-286	YIAEEIHNT	SYFP & NetMHC	23 and 1.10
A2S14	287-295	GLLSALDLV	SYFP & NetMHC	27 and 0.125
A2S15	288-297	LLSALDLVEV	SYFP & NetMHC	0.300
OTHER PEPTIDES (ARG2 and ARG1, both human and murine)				
PEPTIDE NAME	POSITION (AA)	SEQUENCE		
A2L2	2-34	SLRGSLRLLQTRVHSILKKS SVHSVAVIGAPFS		
ARG1_65-73	65-73	QIVKNPRSV		
Murine ARG2	188-196	LSPPNIVYI		
Murine ARG1	169-177	ISAKDIVYI		

Supplementary Table S1: ARG2-derived short peptides predicted for binding to HLA-A2AA = amino acid ; SYFP = SYFPEITHI³⁸, available at www.syfpeithi.de ; NetMHC^{39,40}, available at cbs.dtu.dk