

## Supplementary Table S1

MTD ID	Origin	Protein	HRSS	Final Modified Sequence
39	<i>Streptomyces coelicolor A3</i>	NP_625685	12 IVALLLVPLVSLTAIWAFATVLT 34	PLVLAIAAVL
41	<i>Streptomyces coelicolor A3</i>	NP_626993	12 LALGTAVLSAAALLAVAMPQEAQ 34	AAALLAVA
52	<i>Homo sapiens</i>	ficolin 3 isoform 2 precursor	1 MDLLWILPSLWLLLLGGPACLK 22	PLLLLLPAL
58	<i>Alzheimer disease amyloid</i>	Amyloid beta A4 protein precursor	1 MLPGLALLLLAAWTARALEVPTD 23	LALLLLAA
68	<i>Streptomyces coelicolor A3</i>	NP_625639	7 GAGALLASLLLAALPFTAEAAES 29	LLLAALP
101	<i>Theileria annulata</i>	Hypothetical protein	1 MKLMQLLLLLLCIIKTSNGVN 21	LLLLLPII
103	<i>Homo sapiens</i>	TMBV19 domain family member B	7 GLLRLGSLLSLCLALSVLLLAQ 29	LALPVLLLA