

Table S1: Amino acid sequences and characteristics of the peptides calculated by ExPASy tool ProtParam.

<i>Peptide</i>	<i>Sequence</i>	Net Charge	Weights g/mol	PI	(+)R	(-)R	II	AI	Gravy value
Pep1	SILPVTR	1	784.95	9.47	1	0	78.99	152.86	0.700
Pep2	MPRLPPA	1	780.98	9.50	1	0	143.11	70.00	-0.257
Pep3	ADARYKS	1	809.88	8.63	2	1	-14.33	28.57	-1.486
Pep6	IPKWPTG	1	797.55	8.75	1	0	-7.67	55.71	-0,657

PI: isoelectric point; **(+)R:** total number of positively charged residues; **(-)R:** total number of negatively charged residues; **II:** Instability index; **AI:** aliphatic index; **Gravy:** grand average of hydropathicity.