

Table SI. List of the 57 peptides without precursor proteins.

Peptide sequences

LGSAEAAGPGAGAEGSWPPPSGAPD
 GSGGGSGGRYGS
 DGEAGAQQPPGP
 EKGQGAQQPPGP
 GKDGEAGAQQPPGP
 NLGPASGHGTPASS
 GPPPRS GGPPP
 DRVYIHP
 DKIEDVPAPSTS
 SPGERGETGPPGP
 DGLPGDMGPPGTP
 RETGETSPAQVNKA EHSSSSP
 EDAAEIRLVSKDG
 KSPENTEGKDGSKVTK
 DALQELR
 DGIPGAQGIM
 GRAEAASWGDRGNDKGGLGNPD
 HAAGAPPPPPPGH
 KSKGASTP
 MADPEELQVSSPPPPPP
 ERANEAGGQVGPEAP
 NGKQREFESR
 NGPLGPSEASIASNLQAMSTQM
 AAPAAGSAPAAAEKKDE
 HTKKDYEEIGP
 DEREDITHTY
 DNNVLVMDLLGP
 GMGWGPPPPPPP
 PGMGWGPPPPPPP
 SHDRDSPPPPPPPP
 NSFRSLTWPPSGSPSHAGT
 ENGASVILR
 ENTEDWRP
 PMGPGMNPGPP
 PMGPGPNMGPP
 QSENSVPPPPPPP
 METEQPEETFPNT
 AEFSGECSNLADRG
 GKNGPMGPPGMPGVP
 MEVKPPP
 METEQPEETFPNT
 RCRKRNPPPP
 GLPPQQPPPPPP
 PAPVPQQPPPPPP
 PFPTVATTTPPPP
 PGLPPQQPPPPPP
 PPGPPQQLPPPP
 PSVIHSPPPPPPP
 STSLRQAAPPPP
 SVIHSPPPPPPP
 EGPGAEGPR
 EEAPSLRP
 HQAAPPPPPPPPPP
 PHQAAPPPPPPPPPP
 SNEVETSATNGQPDQQ
 EDEGPAEPPPPP
 VEQIAAIAQELNELDYYDSHNVNTR

Table SII. Sequence information of the six peptides.

Peptide sequences	UniProt accession	Protein name	P-value
SESSSKSSQPLA	P17096	HMGA1	5.74526×10^{-5}
EPEDEEEEEEEEDEDEDLEELEVLER	Q9NQC3	RTN4	1.78342×10^{-4}
SLMPLPDGNGLEDGNVRH	Q9ULZ1	APEL	1.74441×10^{-3}
KPTTEKKPAA	P36578	RL4	2.99364×10^{-3}
LLQDSVDFSLADAINTEFK	P08670	VIME	3.68230×10^{-3}
DDVVGETVGKTD	P27816	MAP4	7.81321×10^{-3}

HMGA1, High mobility group protein HMG-I/HMG-Y; RTN4, Reticulon-4; APEL, Apelin; RL4, 60S ribosomal protein L4; VIME, Vimentin; MAP4, Microtubule-associated protein 4.