

Supplementary Table S1: Different criteria used to evaluate the efficiency of TCA and MWCO extraction methods:

S.No.	criteria	TCA	MWCO
1	Number of peptides identified	3211	3210
2	Number of unique peptides	2942	2884
3	Percentage peak area occupied by total peptides	55.12%	41.44%
4	Percentage peak area occupied by shared peptides	15.44%	13.57%
5	Percentage peak area of key peptides	0.9%	1.88%
6	Number of parent protein	2647	2587
7	Percentage of peptides having score more than 0.5 in PeptideRanker	26.41%	27.25%
8	Percentage of peptides having score more than 0.1 in PeptideRanker	89.44%	89.46%
9	Number of key EPs identified	13	20
10	Amino acid at 1 st position	K>L>Q	L>K>P
	2 nd position	L>P>A	P>L>V
	3 rd position	L>P>S	L>P>V
	4 th position	L>P>A	L>P>A
	5 th position	L>P>S	L>P>G

Supplementary Table S2: Percentage peak area occupied by some representative EPs extracted via TCA precipitation and MWCO methods:

S.No.	Peptide reported in literature	Peak area occupied (%)	
		TCA	MWCO
1	EPVLGPVRGP	0.1052	0.1178
2	VLGPVRGPFP	0.0300	0.1670
3	EPVLGPVRGPFP	0.5559	1.5174
4	SQSKVLPVPQKAVPYPQ	0.0203	0.0092
5	TPVVVPPFL	0.0043	0.0144
6	KVLPVPQ	0.0477	0.0379
7	RPKHPIKHQ	0.1369	0.015
8	KVLPVPQK	0.0136	0.0111