



m/z 1304 (3+)	33-mer	LQLQ <u>PFFPQQLPYPQPQLPYPQPQLPYPQP</u> QPQPF
m/z 1267 (3+)	33-mer-L	-QLQ <u>PFFPQQLPYPQPQLPYPQPQLPYPQP</u> QPQPF
m/z 1224 (3+)	33-mer-LQ	--LQ <u>PFFPQQLPYPQPQLPYPQPQLPYPQP</u> QPQPF
m/z 1187 (3+)	33-mer-LQL	---Q <u>PFFPQQLPYPQPQLPYPQPQLPYPQP</u> QPQPF
m/z 1111 (3+)	33-mer-LQLQP	----F <u>PQPQLPYPQPQLPYPQPQLPYPQP</u> QPQPF

S5 Fig. Degradation of 33-mer by digestive enzyme supplement D and AN-PEP. 33-mer peptide was incubated for 30 min with 1 capsule equivalent of digestive enzyme supplement or 1/100 capsule equivalent of AN-PEP at pH 2.0, 5.0 and 7.0 as shown. Peptides were analyzed by LC-MS as detailed in S2 Text Methods. Peptides containing epitopes are marked with a dot. The small residual amounts of 33-mer and 33-mer-LQLQP m/z 1111 (3+) in the case of AN-PEP disappear after prolonged treatment. Because of ammonia adduct formation, peptides resolve into several closely spaced peaks (see also S4 Fig.). Degradation patterns of the other 4 digestive enzyme supplements are very similar to that of Supplement D.