

Table S1. Elution time of the breakdown products derived from LPYPY, IPIQY, IPI and WR identified in the apical and basolateral compartments

Peptide of origin	Sequence breakdown product	Elution time (min) ^a	Compartment	
			Apical	Basolateral
LPYPY	Y	8.65	√	√
	PY	10.51	√	
	YP	11.03	√	√
	PYP	12.22	√	
	LP	12.44	√	√
	YPY	13.67	√	√
	PYPY	14.30	√	
IPIQY	Y	8.65	√	√
	IP	11.79	√	√
	PI	11.90	√	√
	IQY	13.13	√	√
	IPIQ	13.42	√	
	IPIQY	15.82	√	√
	IPI	15.87	√	√
IPI	I	9.15	√	√
	IP	11.79	√	√
	PI	11.90	√	√
	IPI	15.87	√	√
WR	W	13.34	√	√

^a The elution time of the original intact peptides LPYPY, IPIQY, IPI and WR were 16.81, 15.82, 15.87 and 11.39 min, respectively.