

Supplementary Table 3. Quality control of the developed SRM-MS assay

Peptide sequence	Precursor m/z (charge state)	Fragments m/z (charge state, ion type)	Stability CV, % (one sample*)	Stability CV, % (all samples**)
Dc-VTG2				
QELTLVEVK	529.8 (2+)	688.4 (1+,y6) - 801.5 (1+,y7) - (930.6 (1+,y8)	6.6 - 5.9 - 7.2	-
QELTLVEV [Lys(¹³ C6; ¹⁵ N2)]	533.8 (2+)	696.4 (1+,y6) - 809.5 (1+,y7) - (938.6 (1+,y8)	5.2 - 5.1 - 8.6	8.7 - 11.8 - 11.4
VASPDLTLESVFK	646.8 (2+)	518.3 (2+,y9) - 561.8 (2+,y10) - 823.5 (1+,y7)	11.3 - 10.6 - 9.4	-
VASPDLTLESVF [Lys(¹³ C6; ¹⁵ N2)]	650.8 (2+)	522.3 (2+,y9) - 565.8 (2+,y10) - 831.5 (1+,y7)	8.8 - 10.7 - 12.7	15.3 - 20.6 - 14.1
IQLEIQAGSR	557.8 (2+)	631.4 (1+,y6) - 760.4 (1+,y7) - 873.5 (1+,y8)	8.4 - 5.7 - 8.6	-
IQLEIQAGS [Arg(¹³ C6; ¹⁵ N4)]	562.8 (2+)	641.4 (1+,y6) - 770.4 (1+,y7) - 883.5 (1+,y8)	9.0 - 9.1 - 10.5	1.0 - 5.9 - 3.5
ISSEVTGR	498.3 (2+)	708.4 (1+,y6) - 795.4 (1+,y7) - 882.4 (1+,y8)	8.7 - 9.5 - 9.5	-
ISSEVTG [Arg(¹³ C6; ¹⁵ N4)]	503.3 (2+)	718.4 (1+,y6) - 805.4 (1+,y7) - 892.4 (1+,y8)	7.7 - 9.7 - 10.3	19.0 - 19.6 - 20.0
Dc-VTG1				
MTPVLLPEAVPDIMK	827.5 (2+)	542.3 (1+,b5) - 655.4 (1+,b6) - 711.4 (2+,y13)	11.6 - 14.0 - 13.3	-
MTPVLLPEAVPDIM [Lys(¹³ C6; ¹⁵ N2)]	831.5 (2+)	542.3 (1+,b5) - 655.4 (1+,b6) - 715.4 (2+,y13)	17.1 - 7.8 - 15.6	10.4 - 7.0 - 15.3

The SRM-MS signal stability over time was estimated by calculating the coefficients of variation for all fragment ions from four repeated injections of a randomly chosen sample (*) spiked with a fixed amount of isotopically labeled peptides over ~1 week (i.e. throughout the entire duration of the experiment). Coefficients of variation were also calculated for fragment ions of the isotopically labeled peptides from all the individual injections (**) carried out throughout the duration of the experiment, including those that served to establish the linearity standard curves (see Figure S5).