

**Supplementary Table 1: Abbreviated Mass Spectrometry Data for Identified Phosphorylation Sites**

<b>Peptide sequence</b>	<b>PTM site</b>	<b>Peptide Modified Sequence</b>
AMHQAQTMEGCSSPMVVK	T173	AMHQAQT[+80]MEGCSSPMVVK
AMHQAQTMEGCSSPMVVK	S178	AMHQAQTMEGCS[+80]SPMVVK
AAAASAAQNTPSGTNALTSSSPLSVL	S285/286	AAAASAAQNTPSGTNALTSSS[+80]PLSVL
SVLTSSGSPSSSSNSVNPIASL	S295/296/298	SVLTSSGSS[+80]PSSSSNSVNPIASL



<b>Precursor Charge</b>	<b>mass/charge</b>	<b>Ion score</b>	<b>Ions matched</b>
2	1007.90997	52	11/192
2	1044.42981	40	16/192
2	1284.60864	49	23/260
2	1166.5271	58	14/206