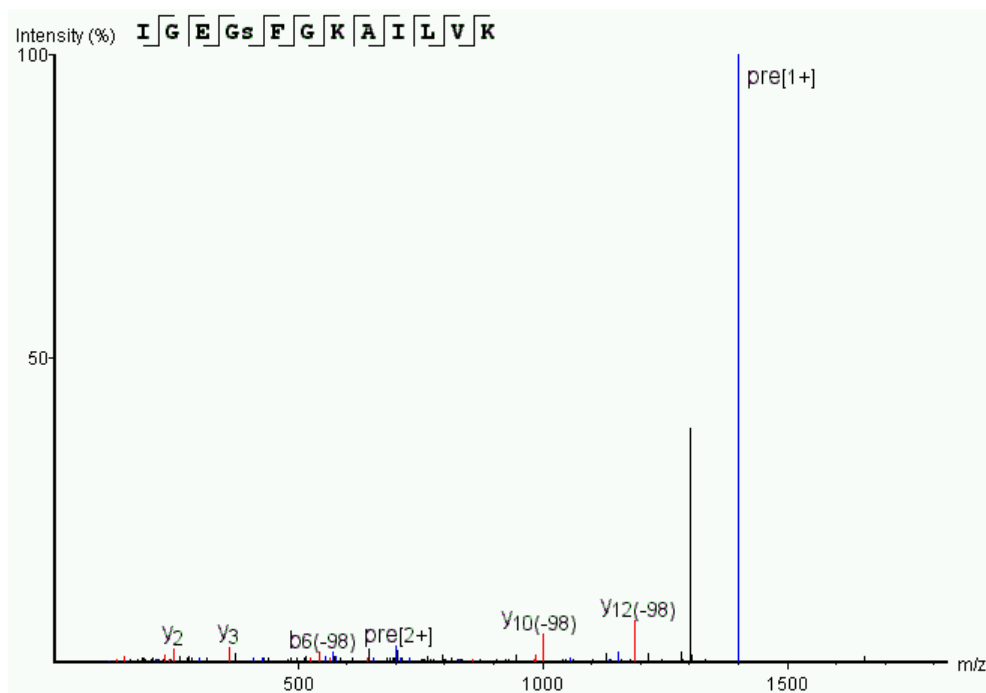


Nek1 MS Spectrum

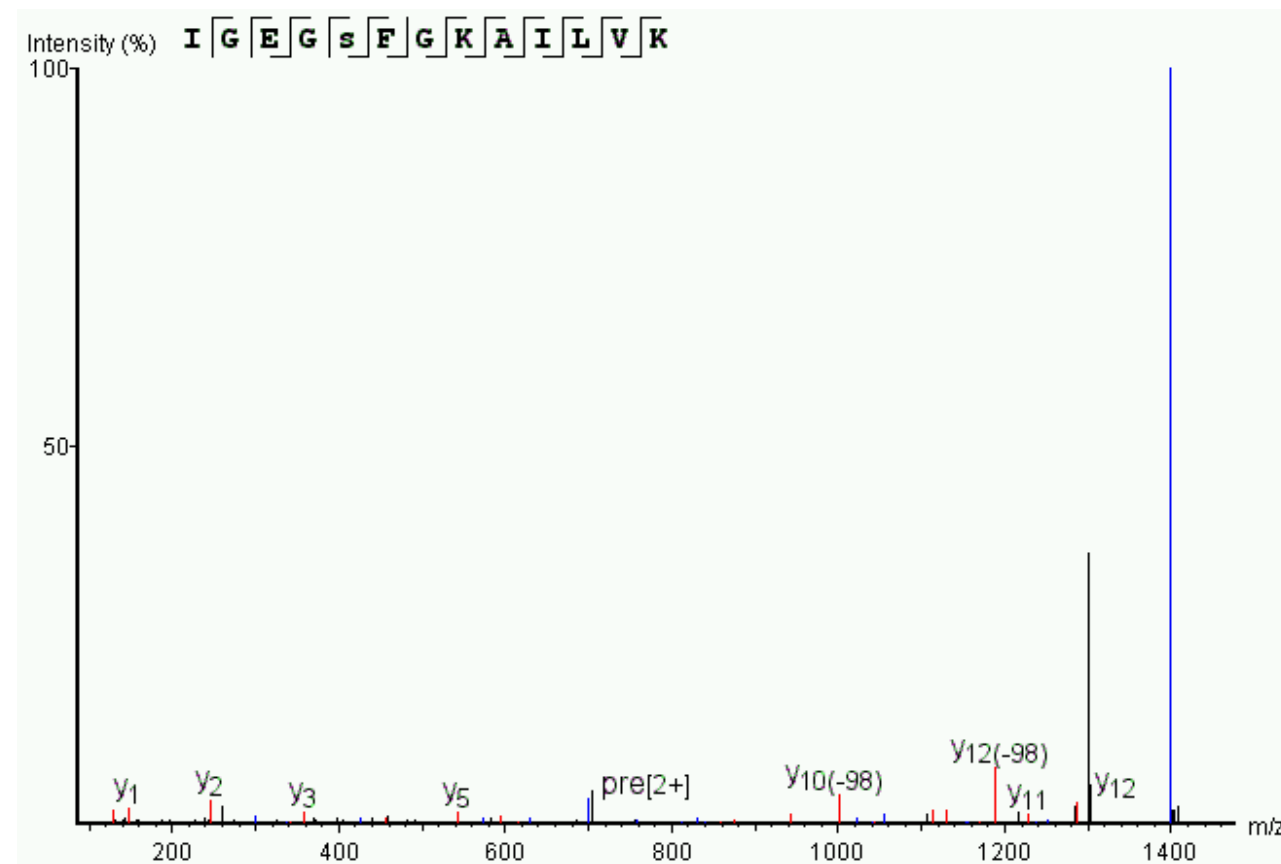
Supplemental Table 2 (Summary of results)

Peptide No.	Peptide sequence	Phosphorylated residue	
		TLK1-Kinase (-)	TLK1-Kinase (+)
1	IGEGSFGKAILVK	Ser ¹⁴	Ser ¹⁴
2	DGTVQLGDFGIAR	-	Thr ¹⁴¹
3	VLNSTVELAR	Thr ¹⁵⁶	Thr ¹⁵⁶
4	RPASGQNSISVMPAQK	Ser ²⁹⁹	Ser ²⁹⁹
6	YGIPLAYKK	-	Tyr ³¹⁵
5	NVLSAGGSGEVK	Ser ⁴¹⁸	Ser ⁴¹⁸

Ser14

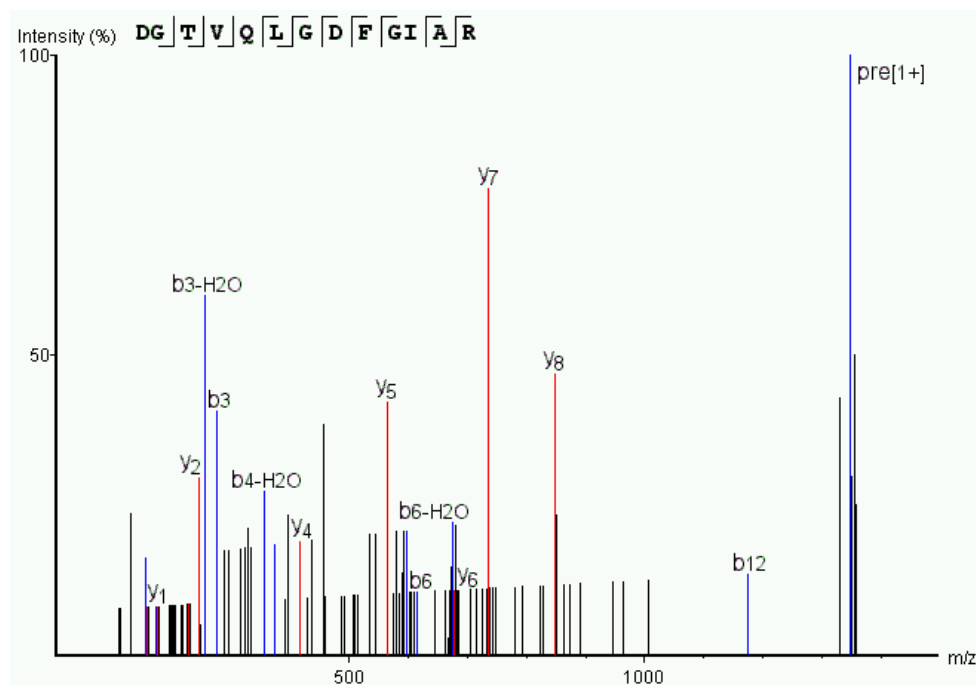


Kinase (-)

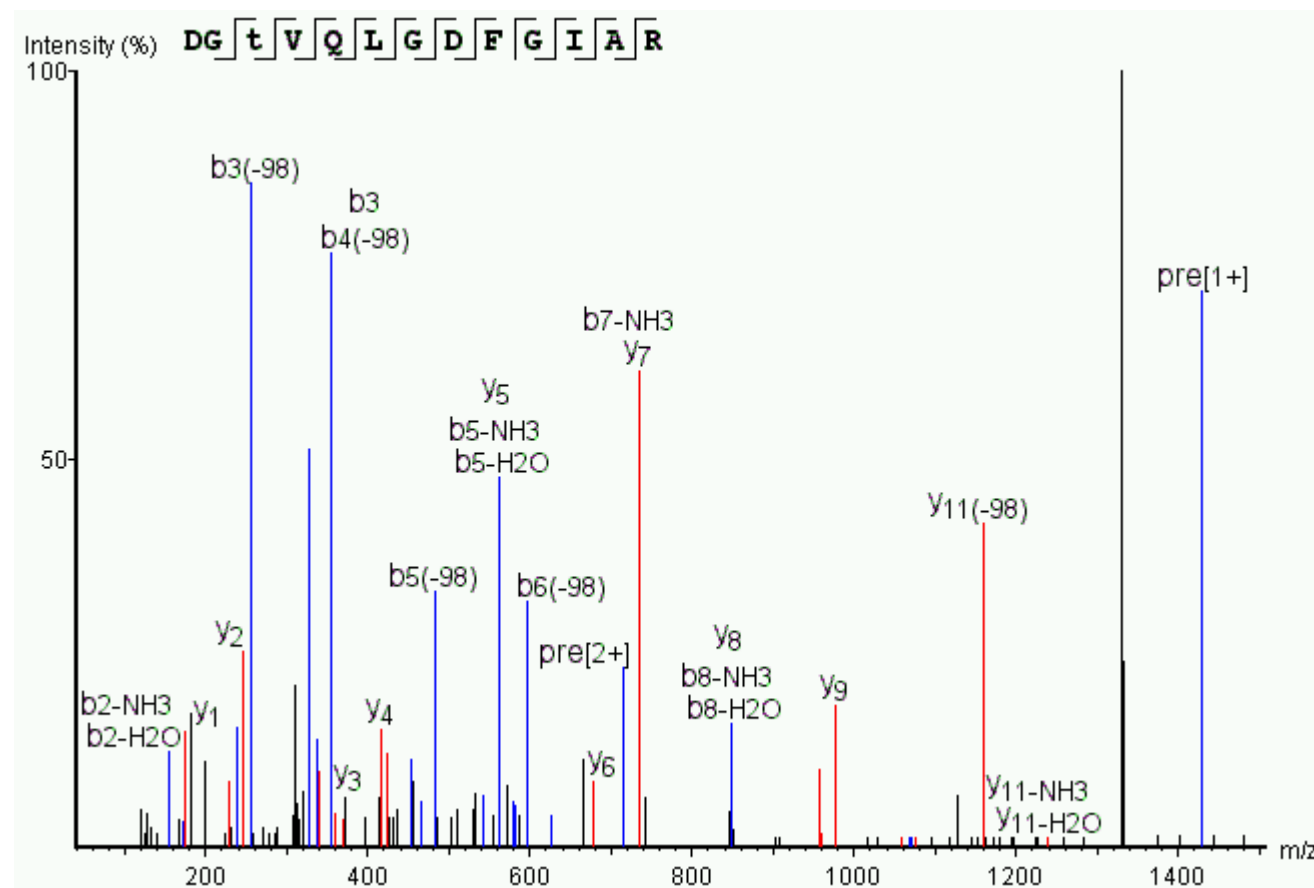


Kinase (+)

Thr141

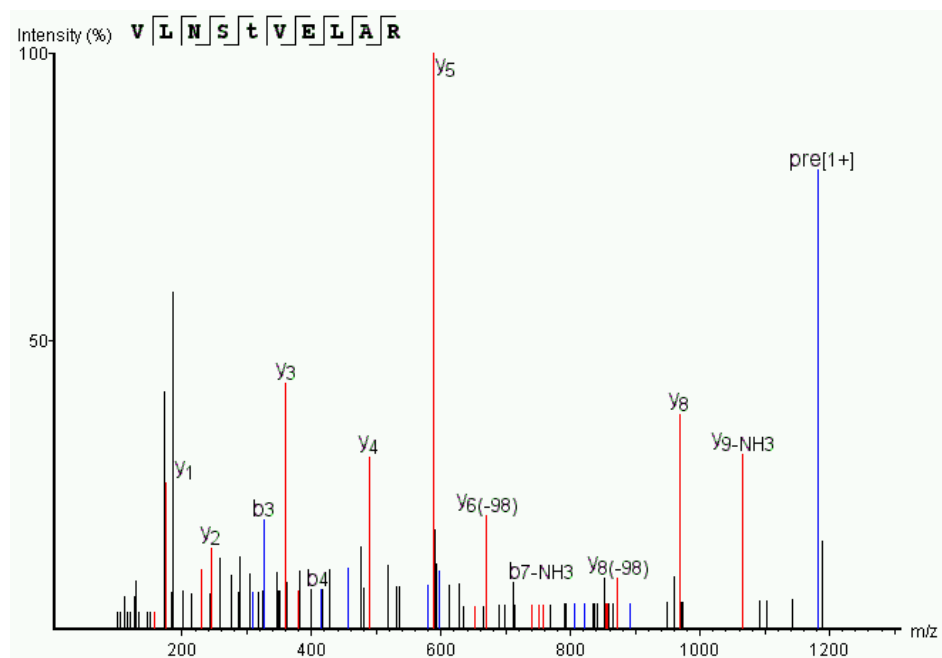


Kinase (-)

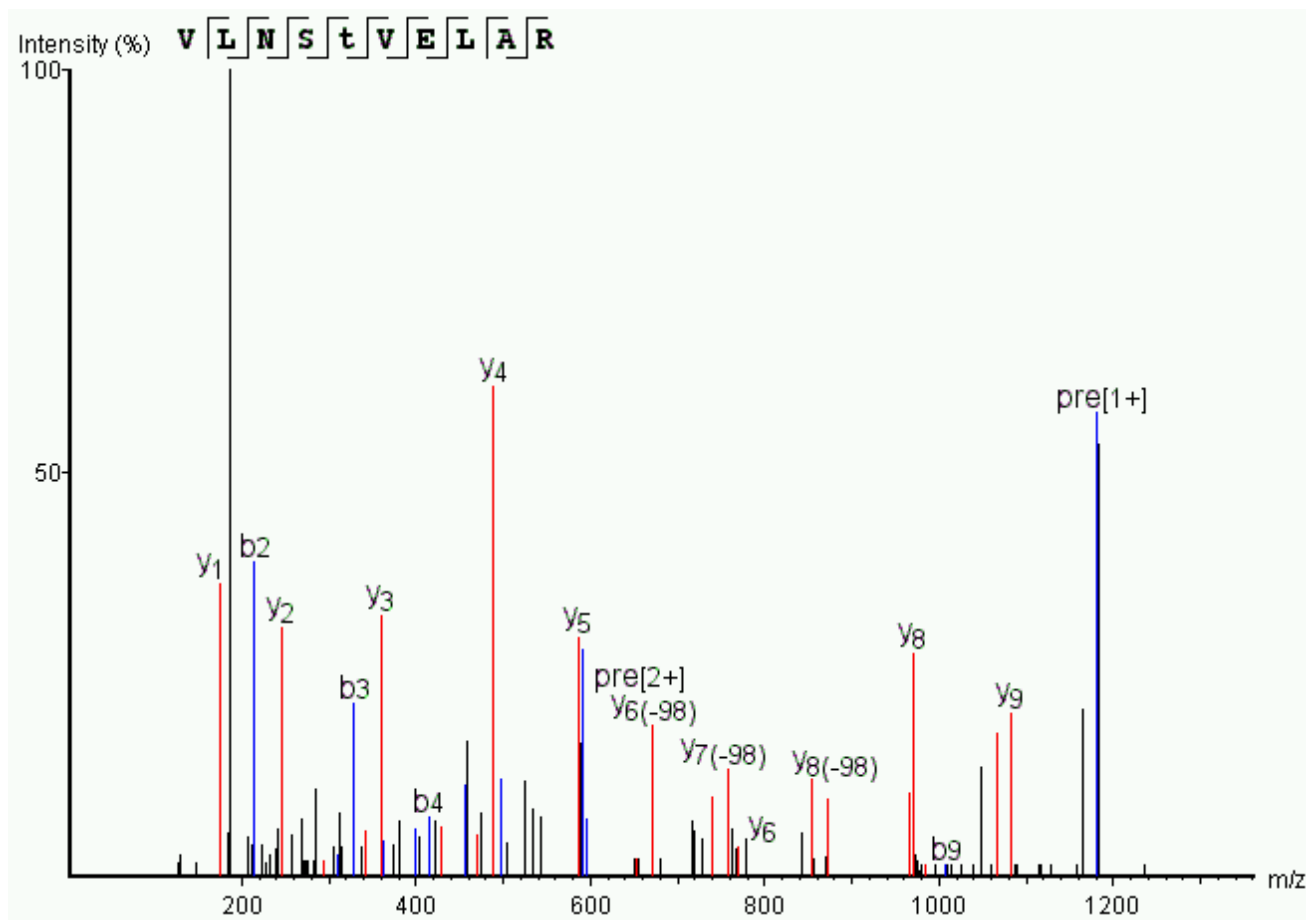


Kinase (+)

Thr156

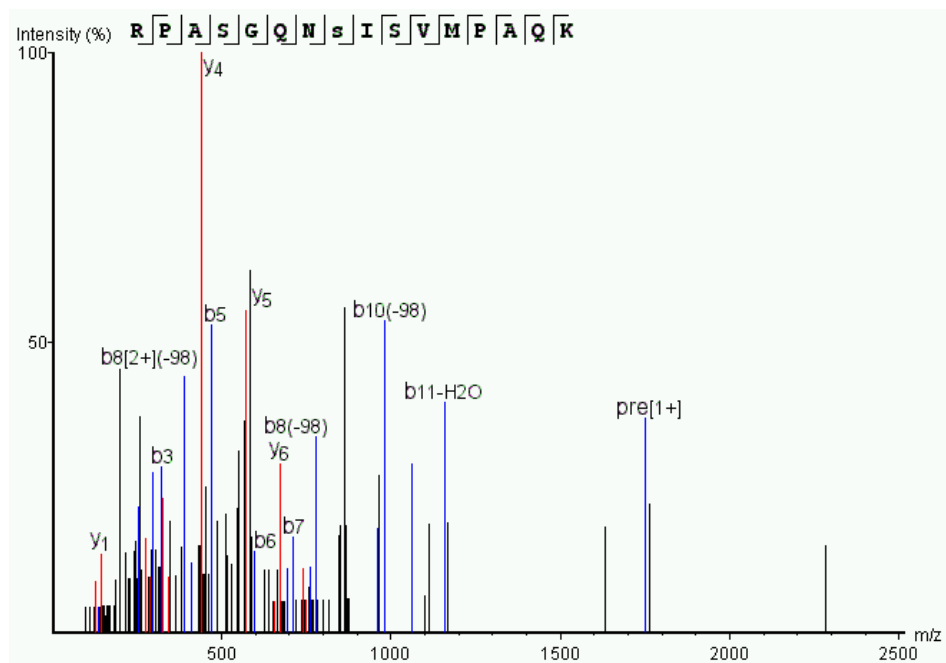


Kinase (-)

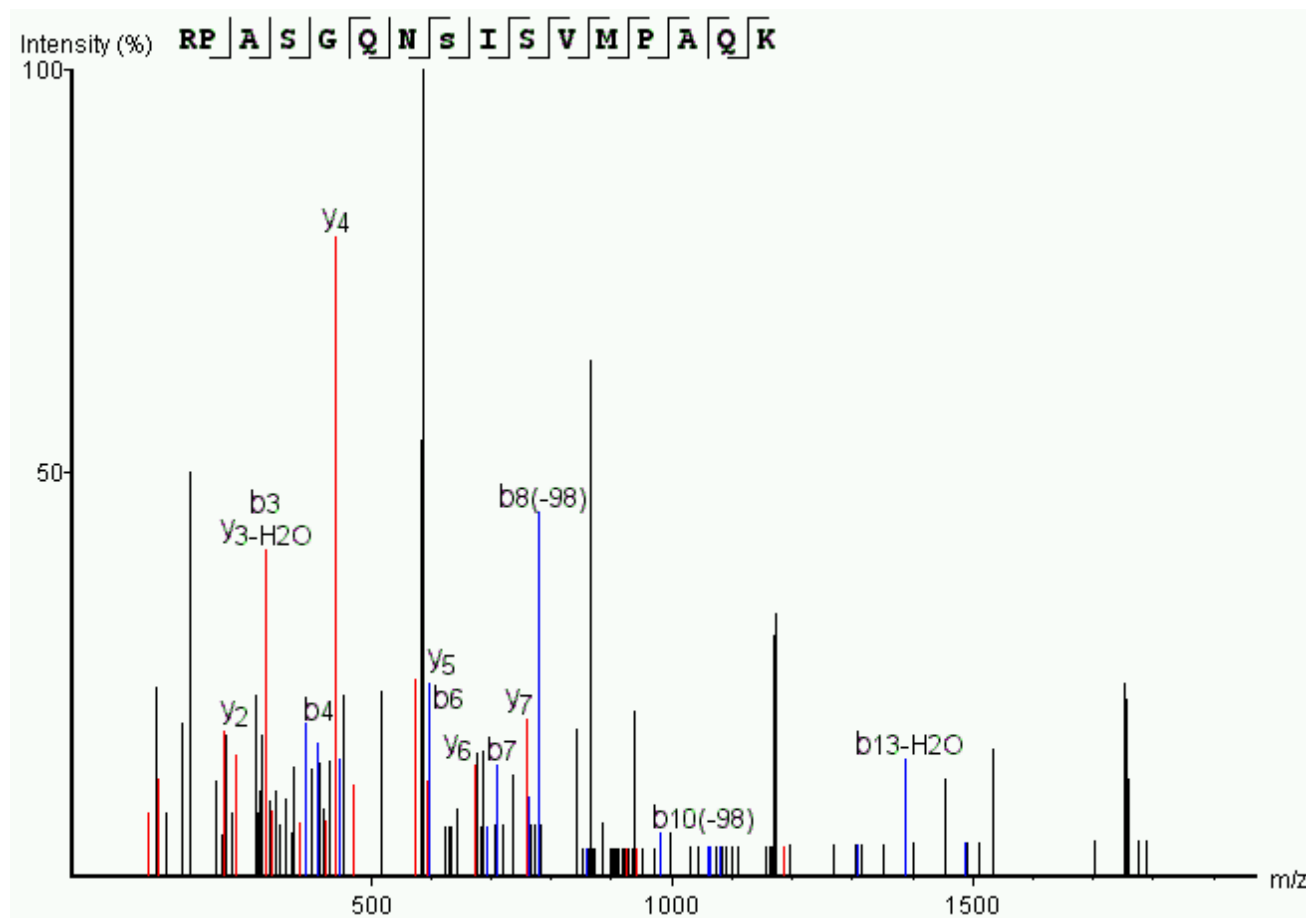


Kinase (+)

Ser299

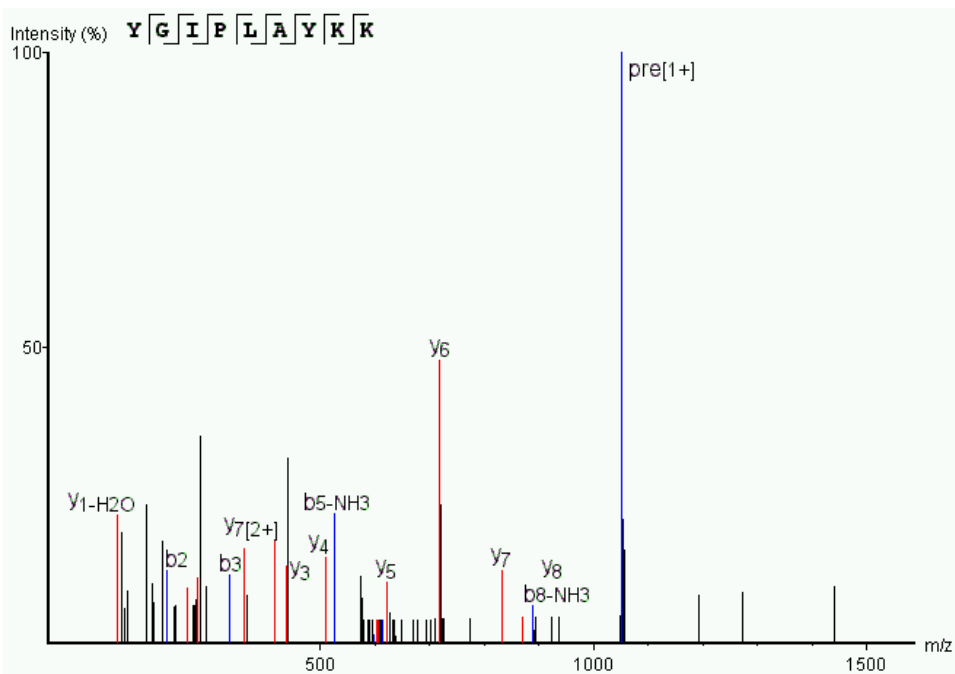


Kinase (-)

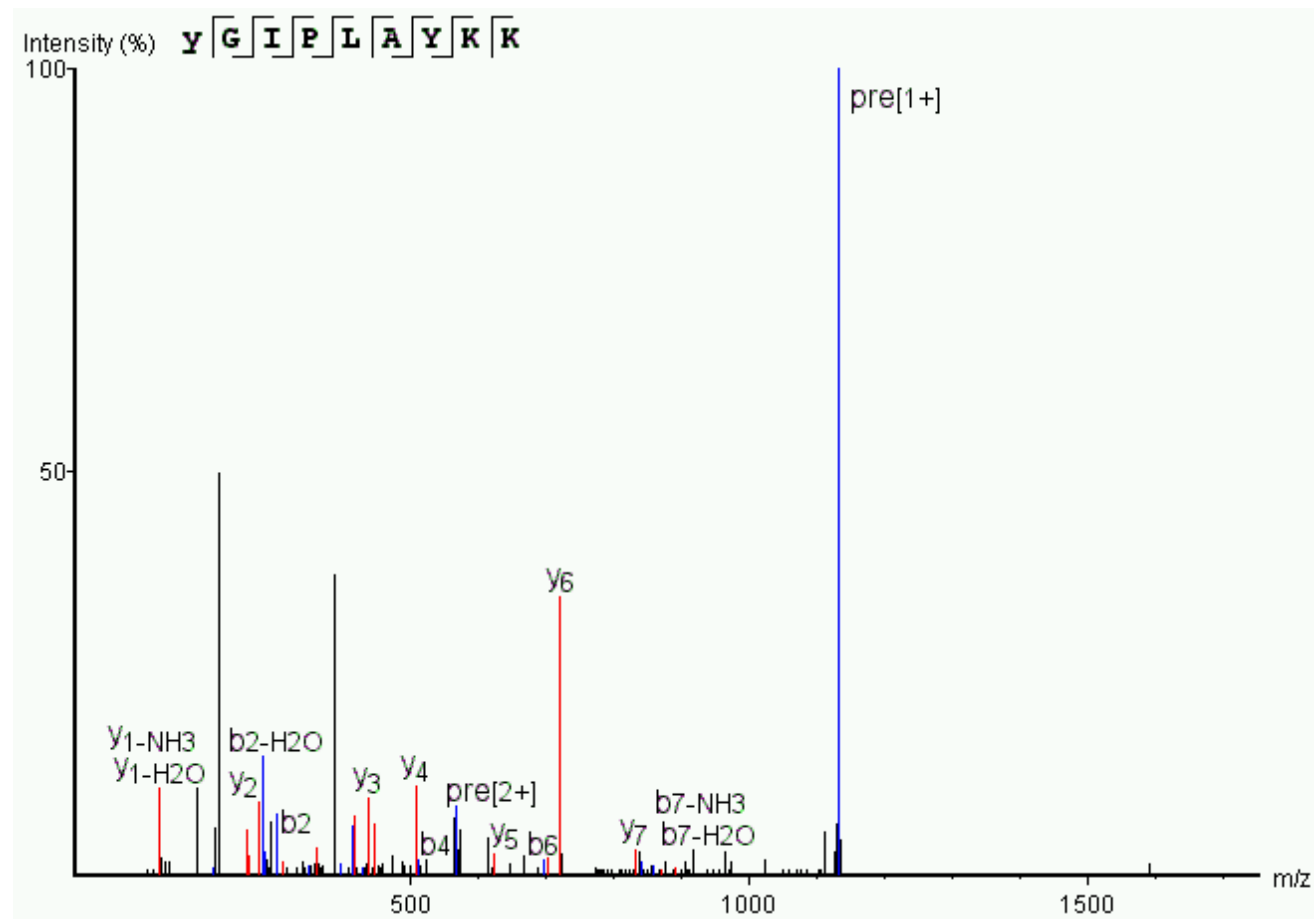


Kinase (+)

Tyr315

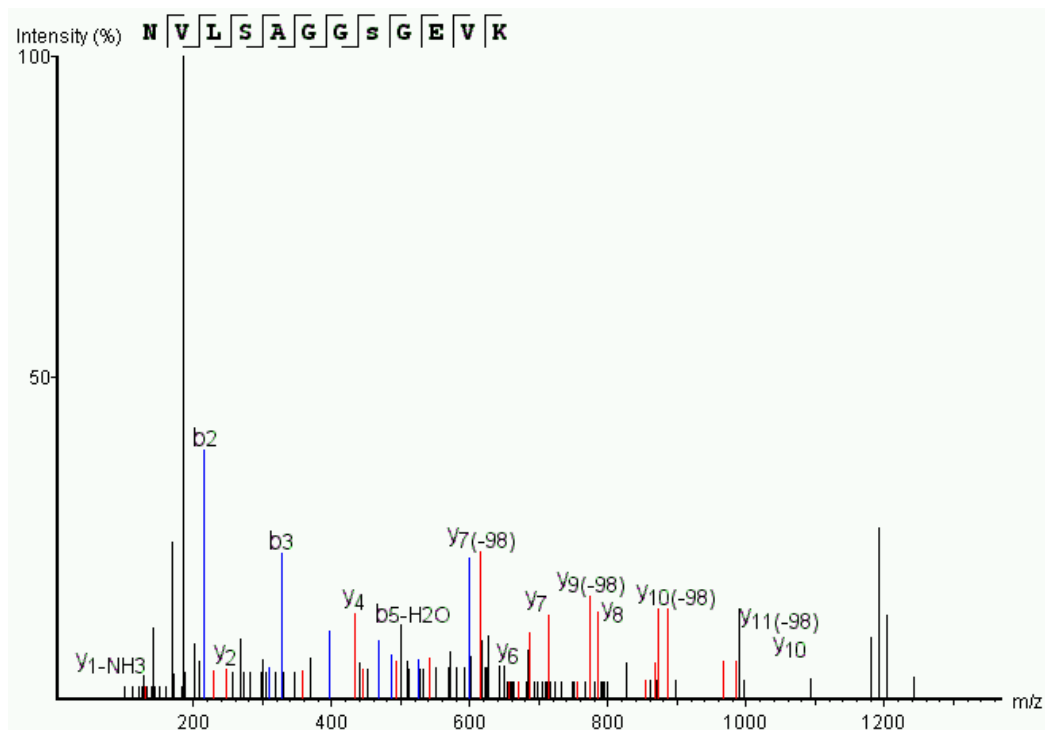


Kinase (-)

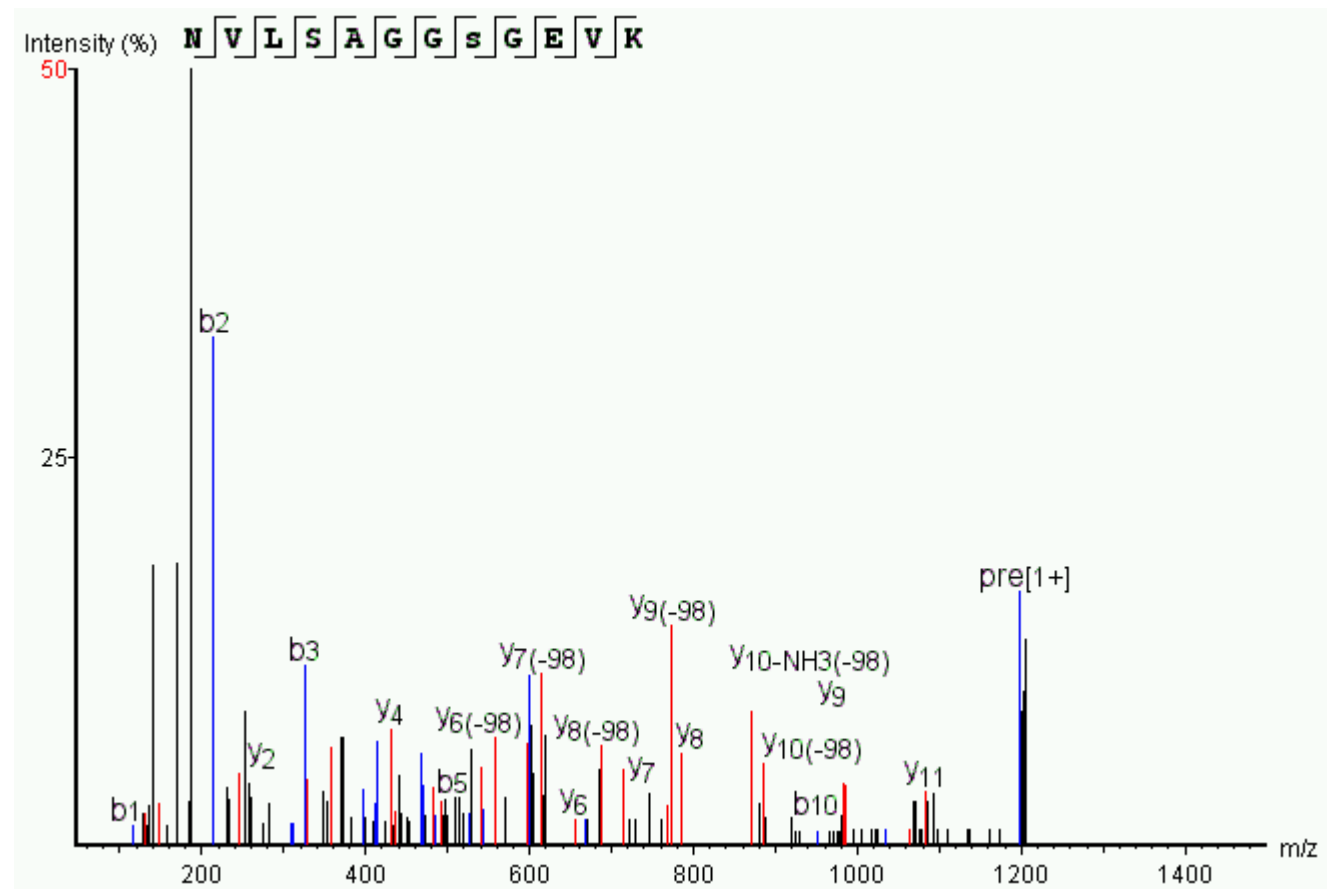


Kinase (+)

Ser418



Kinase (-)



Kinase (+)