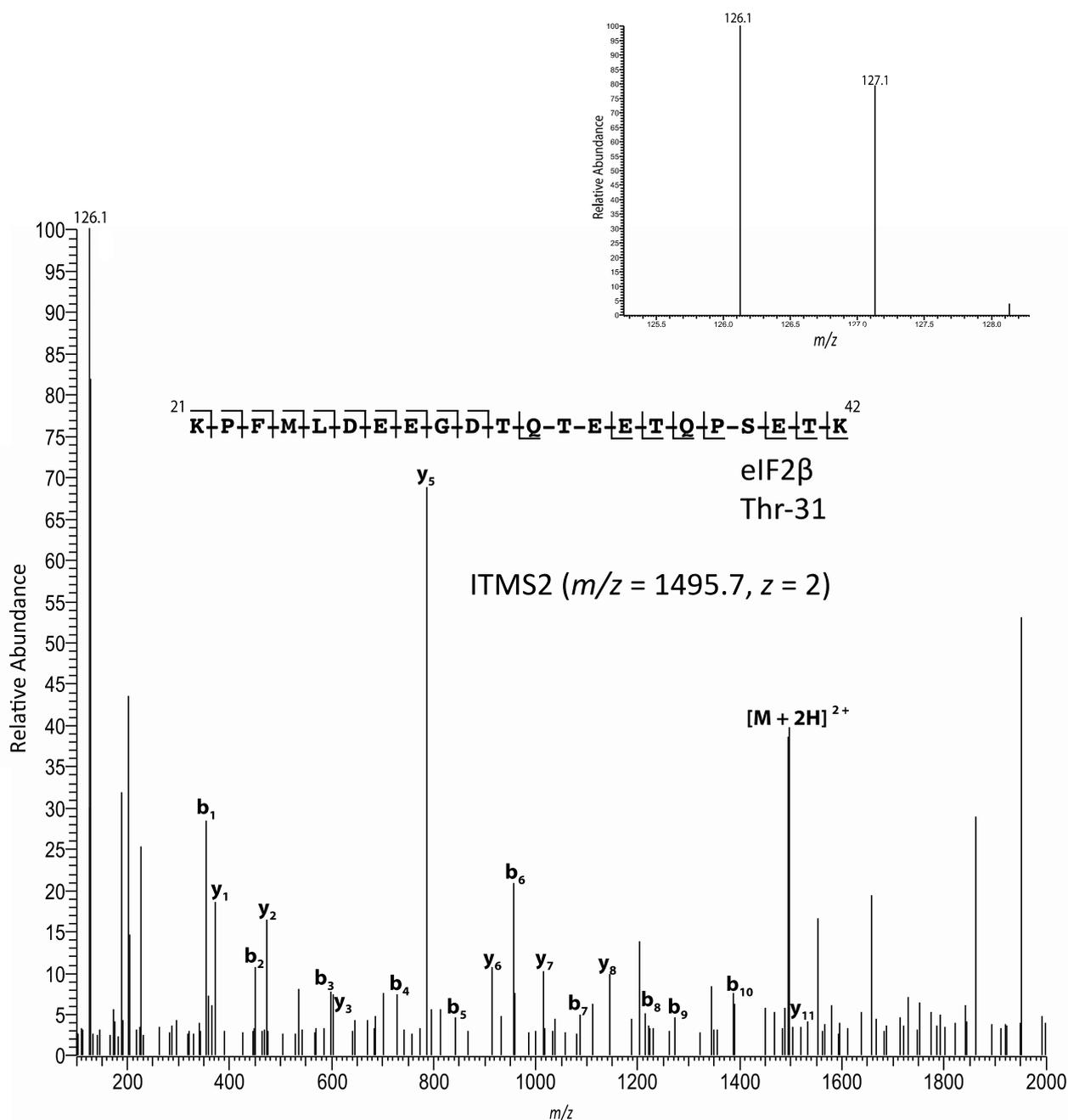
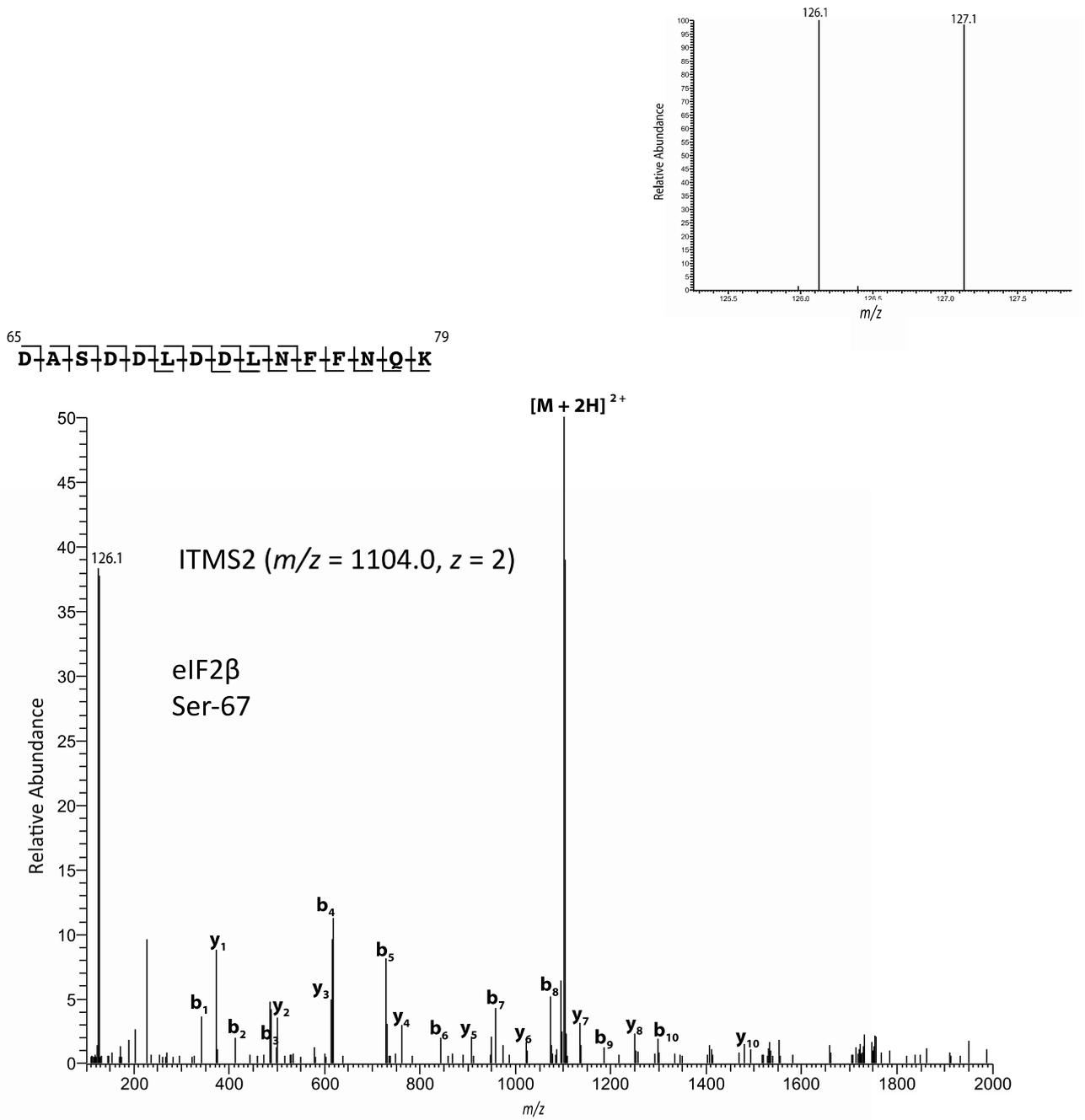


## Supplementary Information

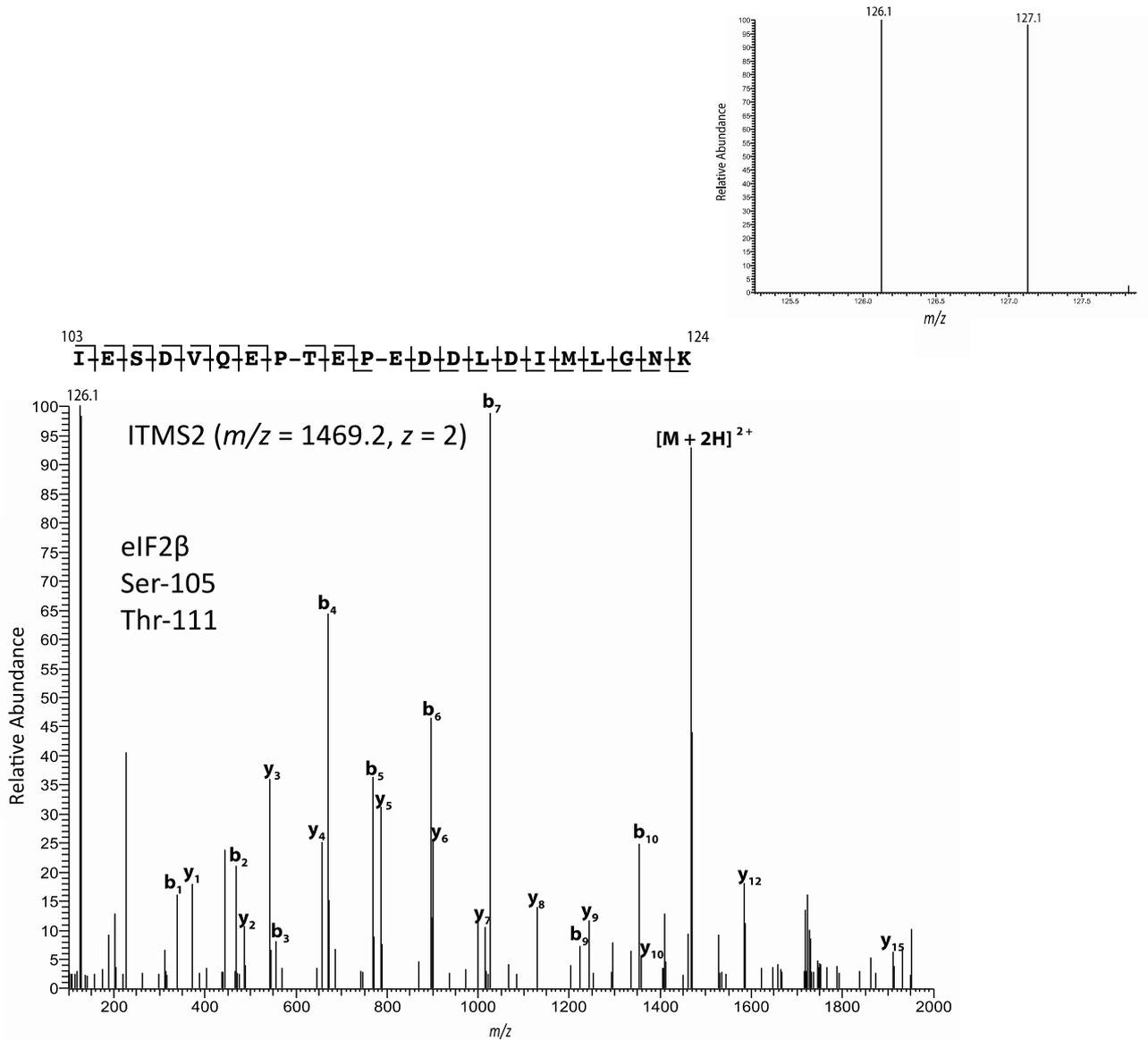
**Figure S1.** Spectrum corresponding to the quantification of phosphorylation of Thr-31 for eIF2 $\beta$ . Inset in upper right corner is a zoom in view of the reporter TMT (tandem mass tag) ions.



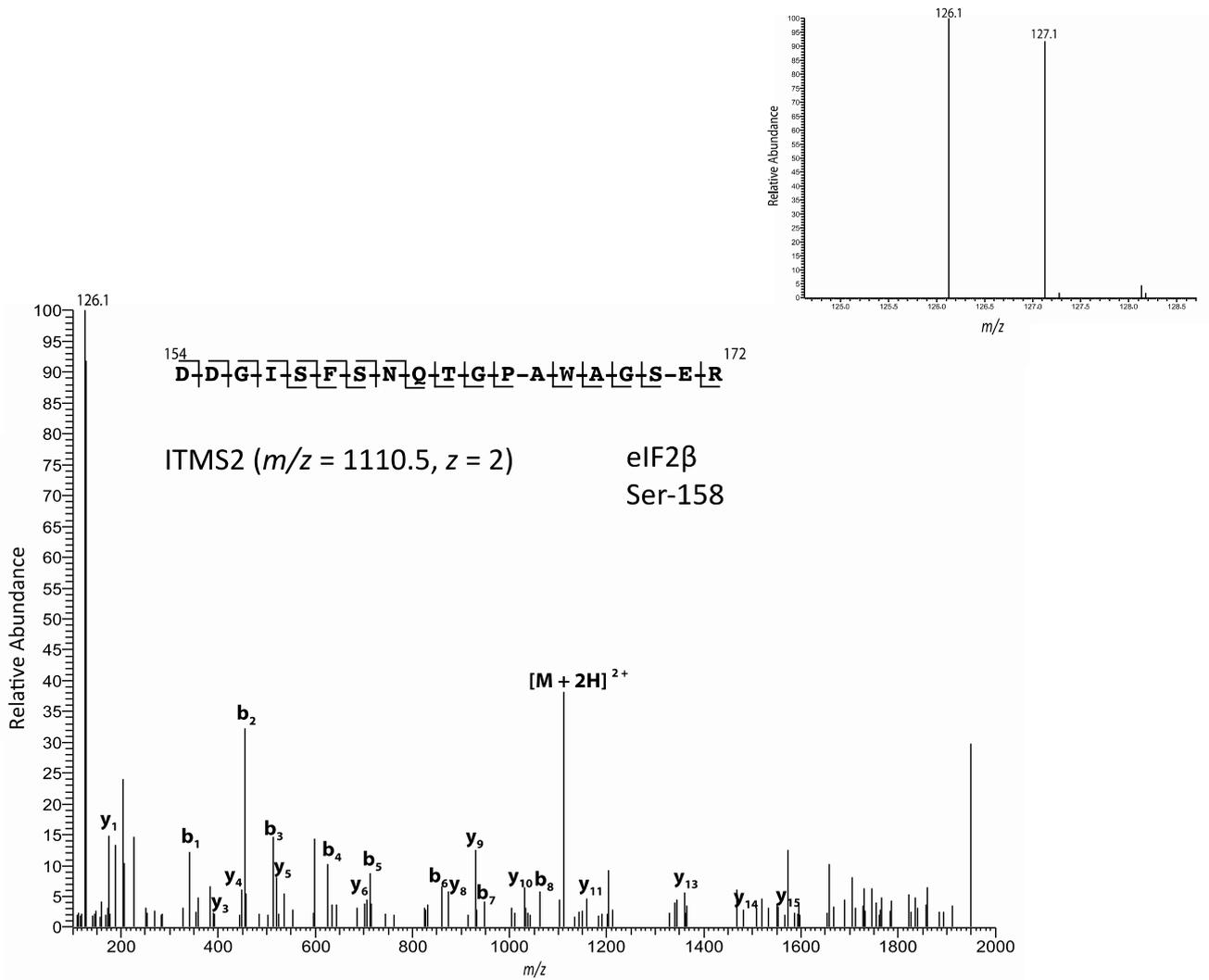
**Figure S2.** Spectrum corresponding to the quantification of phosphorylation of Ser-67 for eIF2 $\beta$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



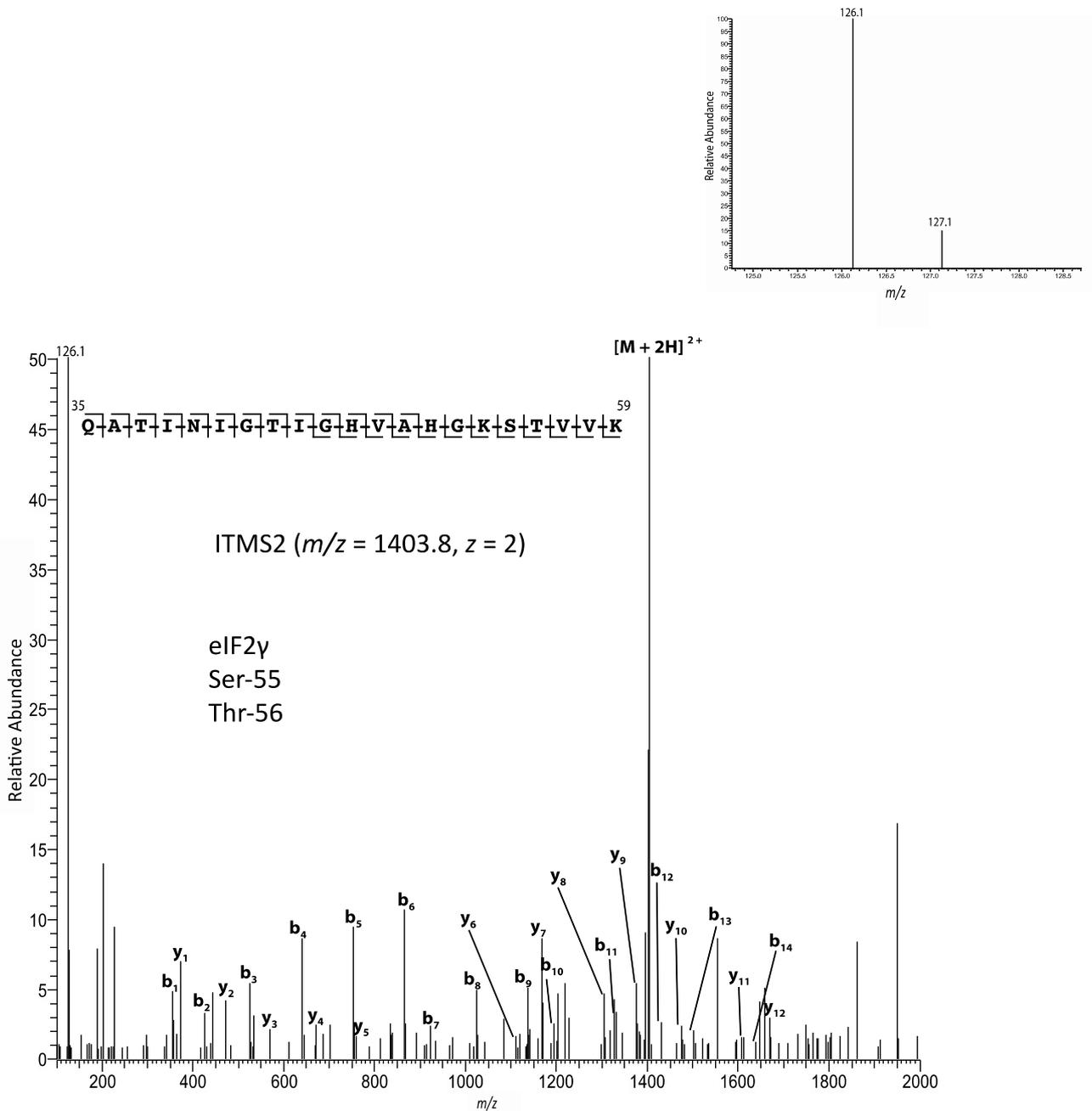
**Figure S3.** Spectrum corresponding to the quantification of phosphorylation of Ser-105 and Thr-111 for eIF2 $\beta$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



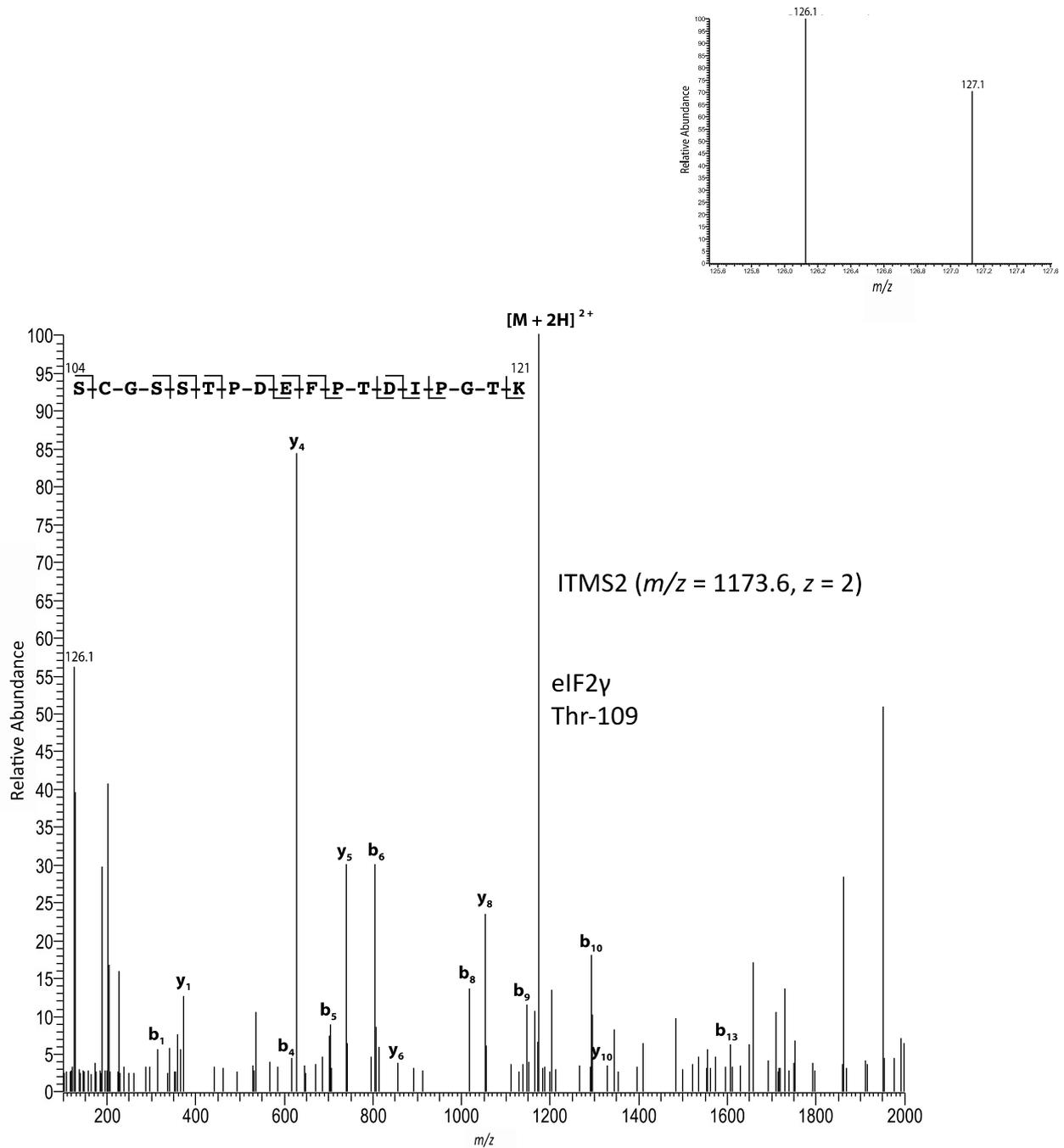
**Figure S4.** Spectrum corresponding to the quantification of phosphorylation of Ser-158 for eIF2 $\beta$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



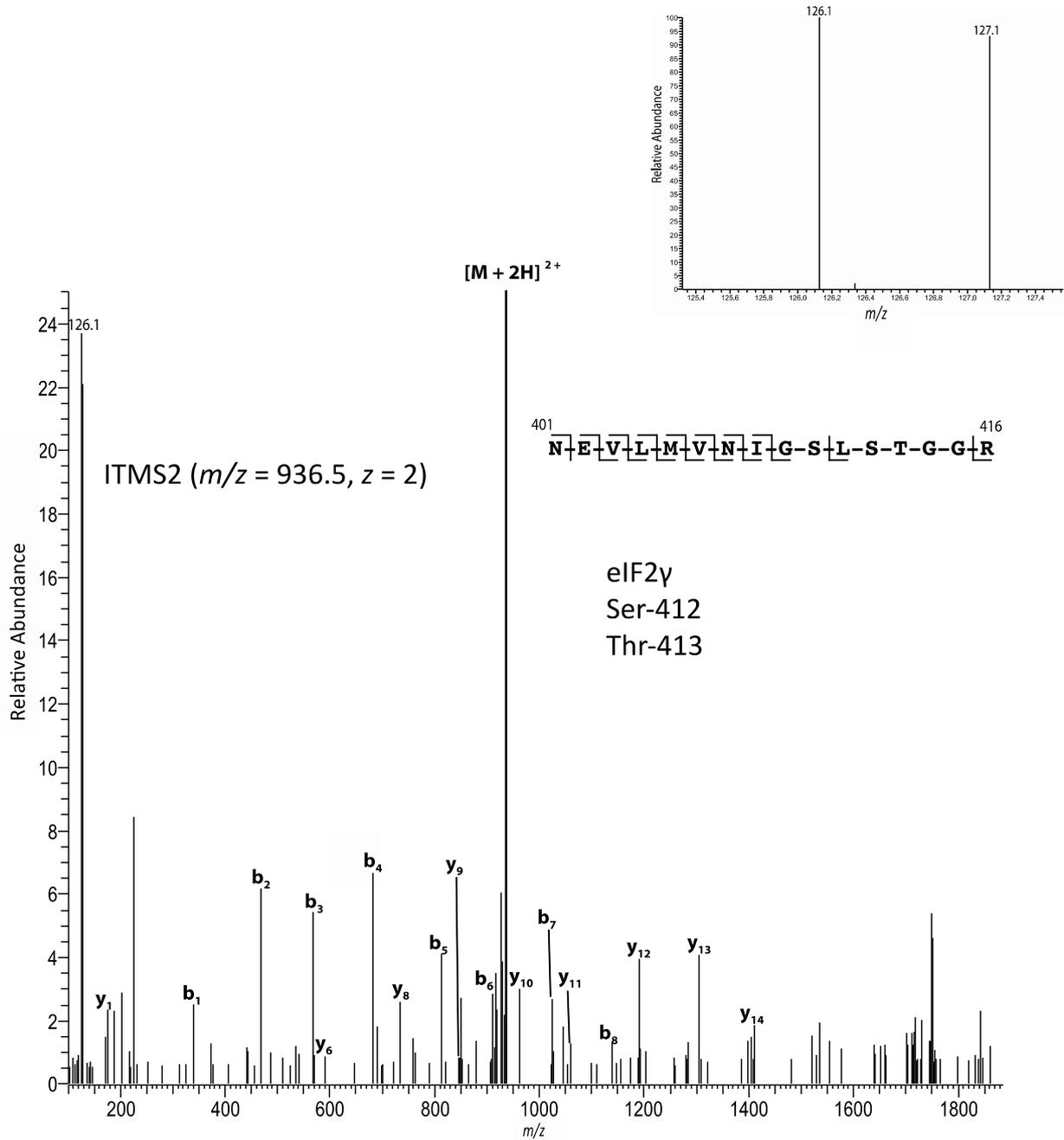
**Figure S5.** Spectrum corresponding to the quantification of phosphorylation of Ser-55 and Thr-56 for eIF2 $\gamma$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



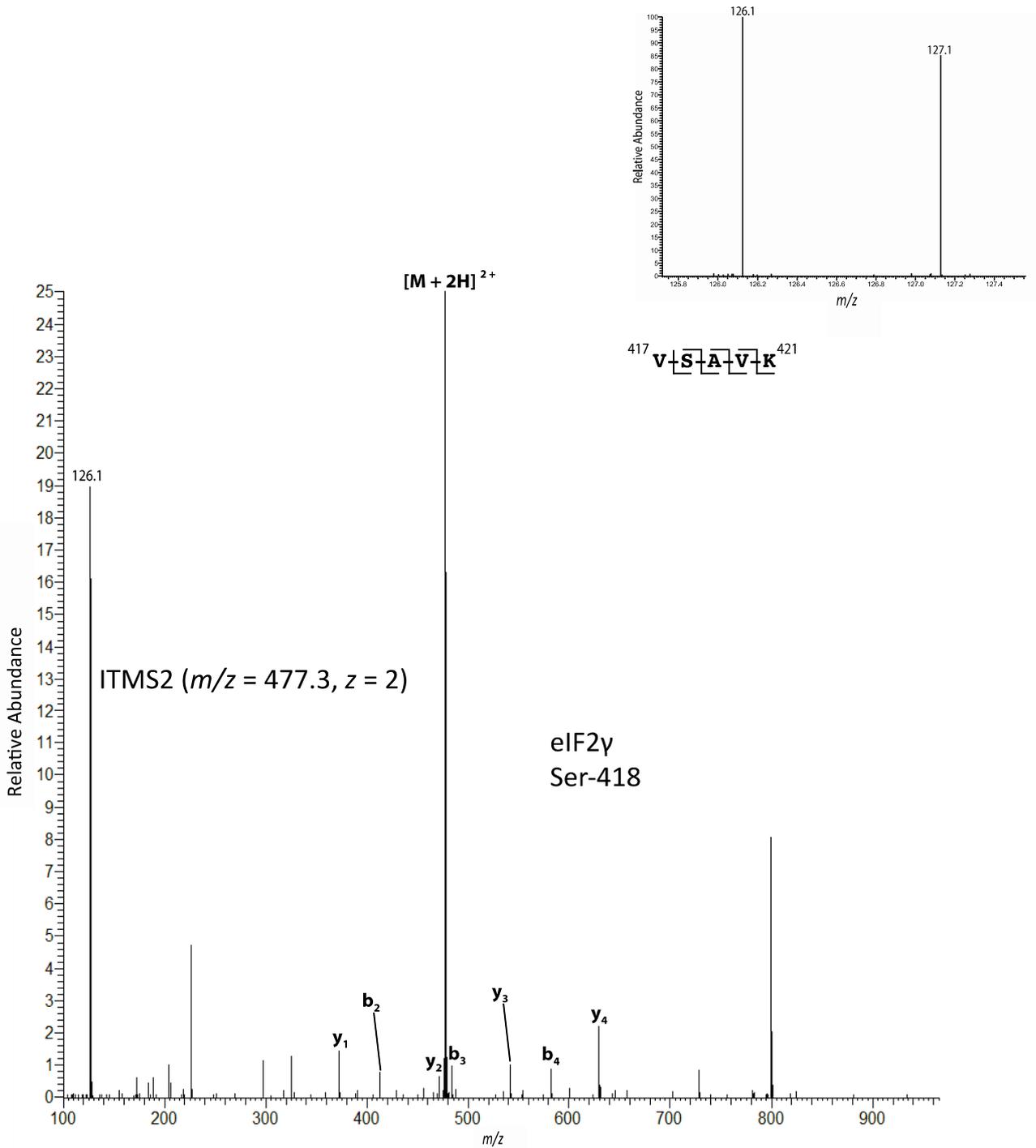
**Figure S6.** Spectrum corresponding to the quantification of phosphorylation of Thr-109 for eIF2 $\gamma$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



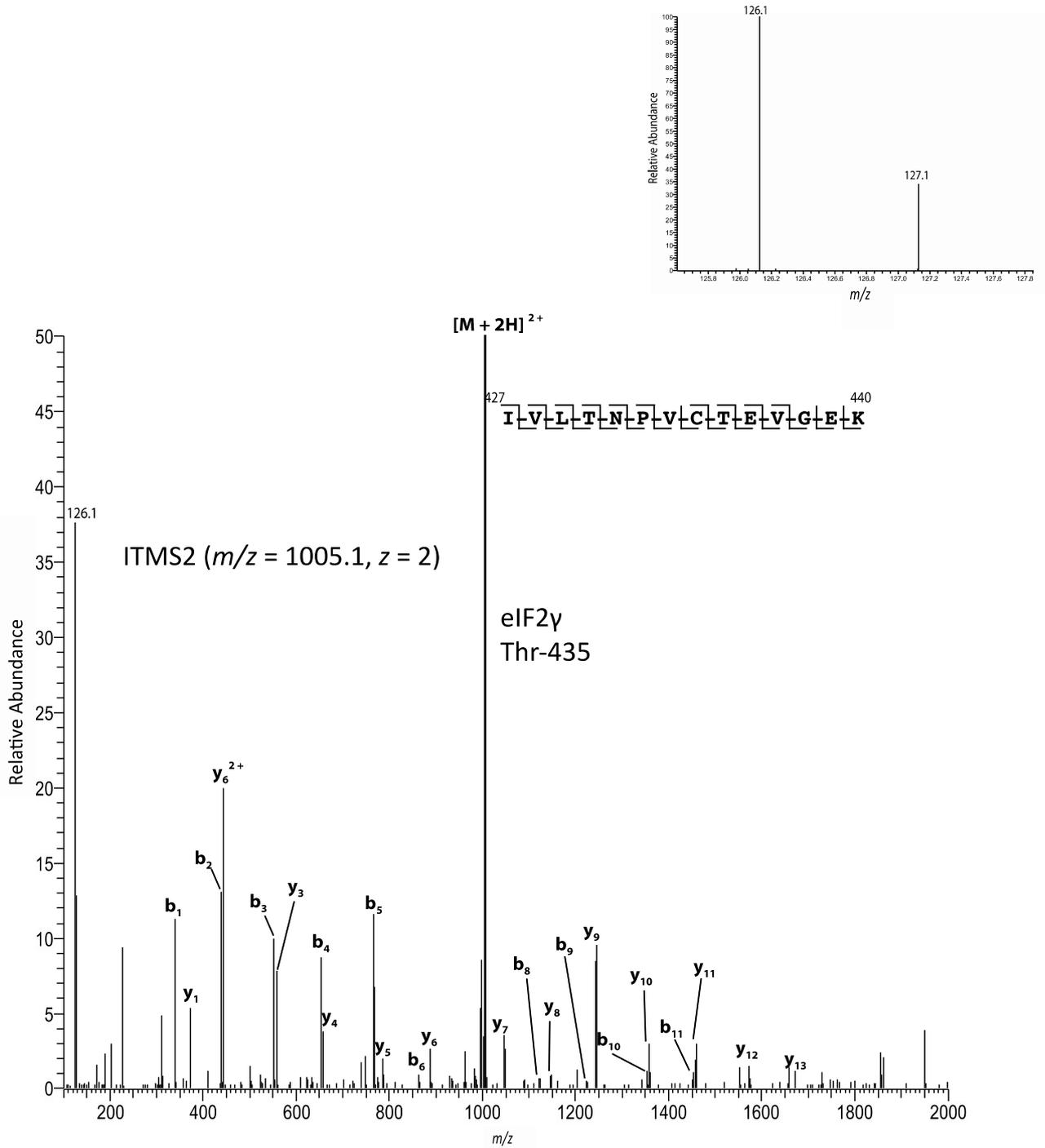
**Figure S7.** Spectrum corresponding to the quantification of phosphorylation of Ser-412 and Thr-413 for eIF2 $\gamma$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



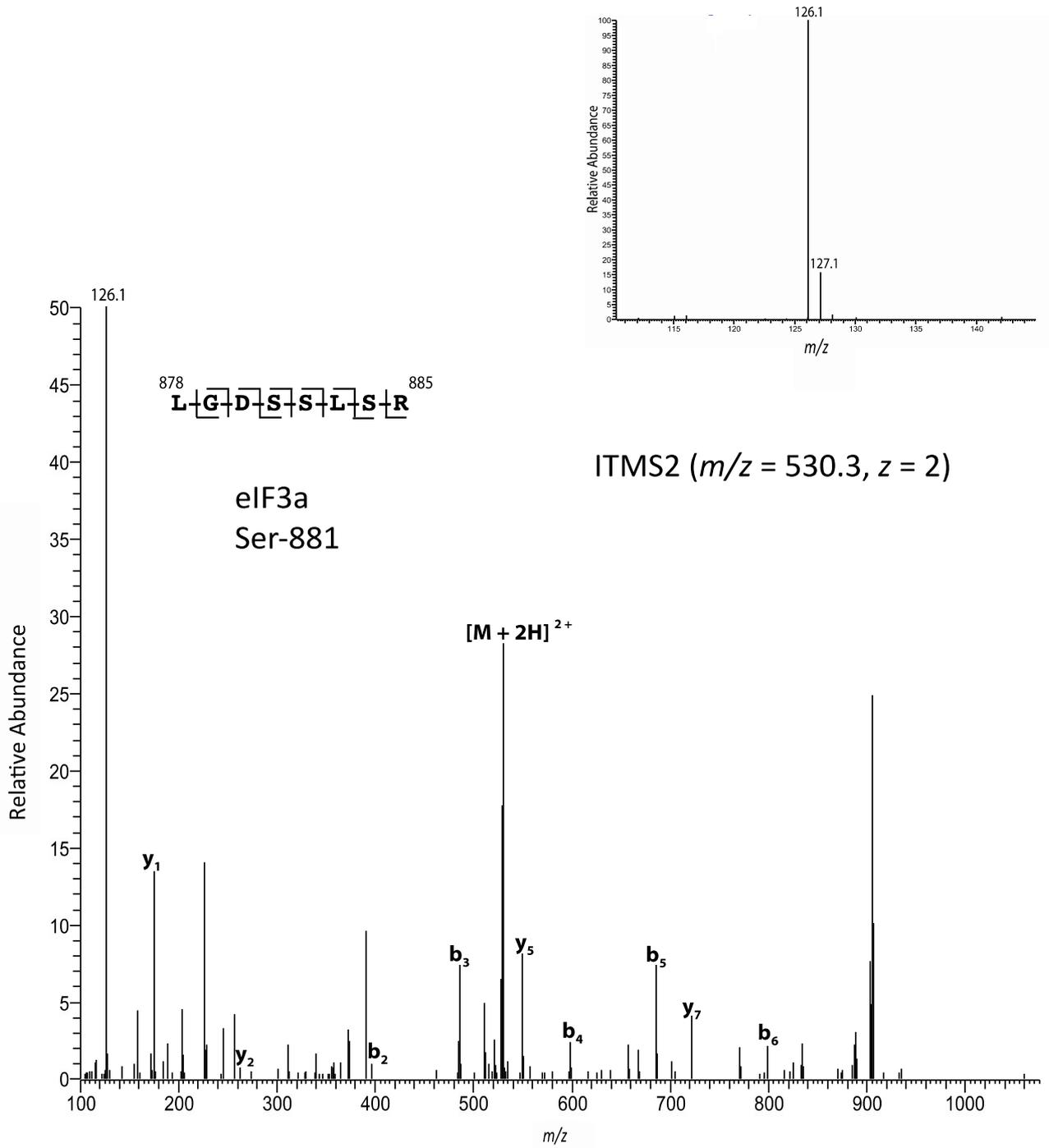
**Figure S8.** Spectrum corresponding to the quantification of phosphorylation of Ser-418 for eIF2 $\gamma$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



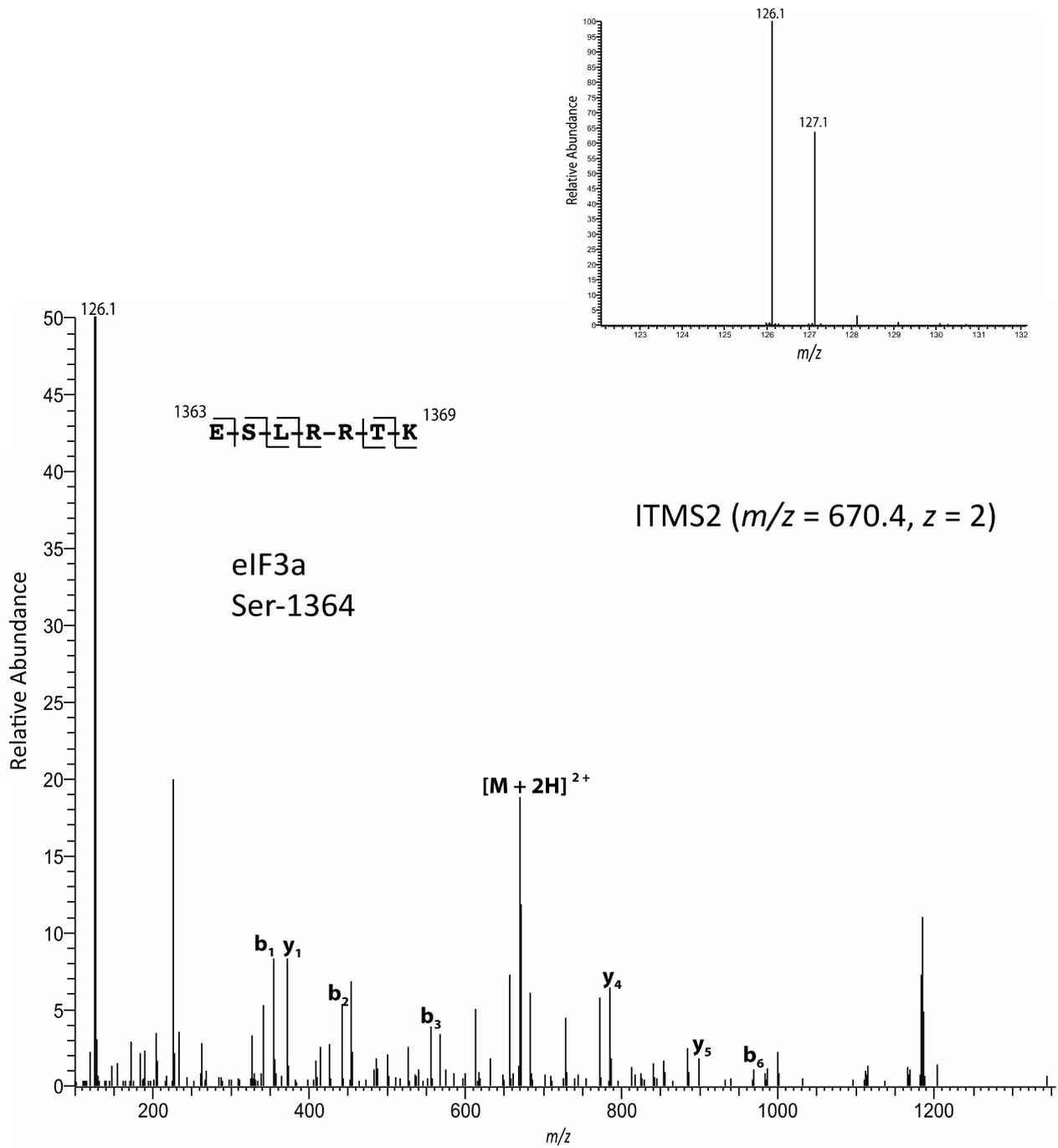
**Figure S9.** Spectrum corresponding to the quantification of phosphorylation of Thr-435 for eIF2 $\gamma$ . Inset in upper right corner is a zoom in view of the reporter TMT ions.



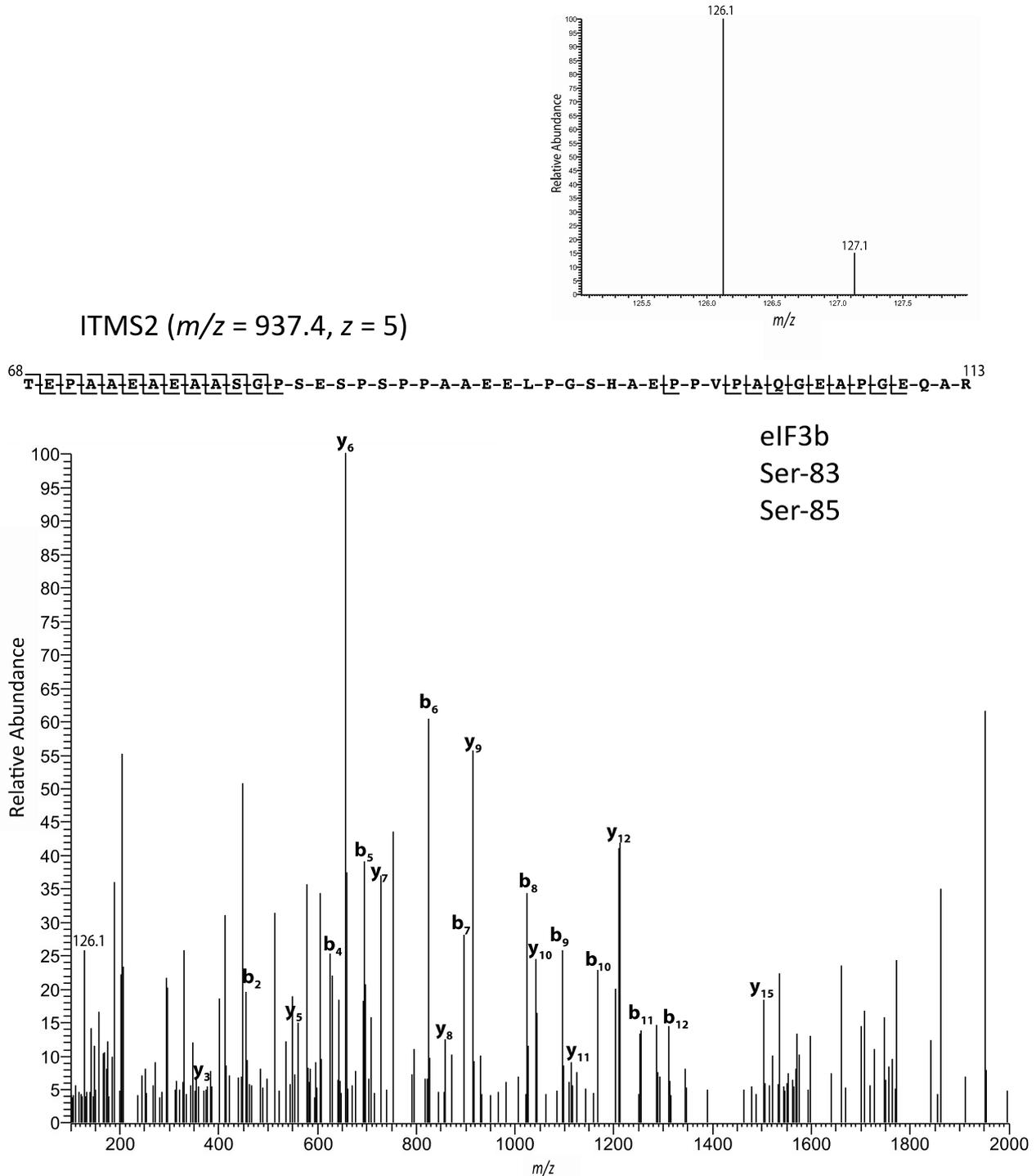
**Figure S10.** Spectrum corresponding to the quantification of phosphorylation of Ser-881 for eIF3a. Inset in upper right corner is a zoom in view of the reporter TMT ions.



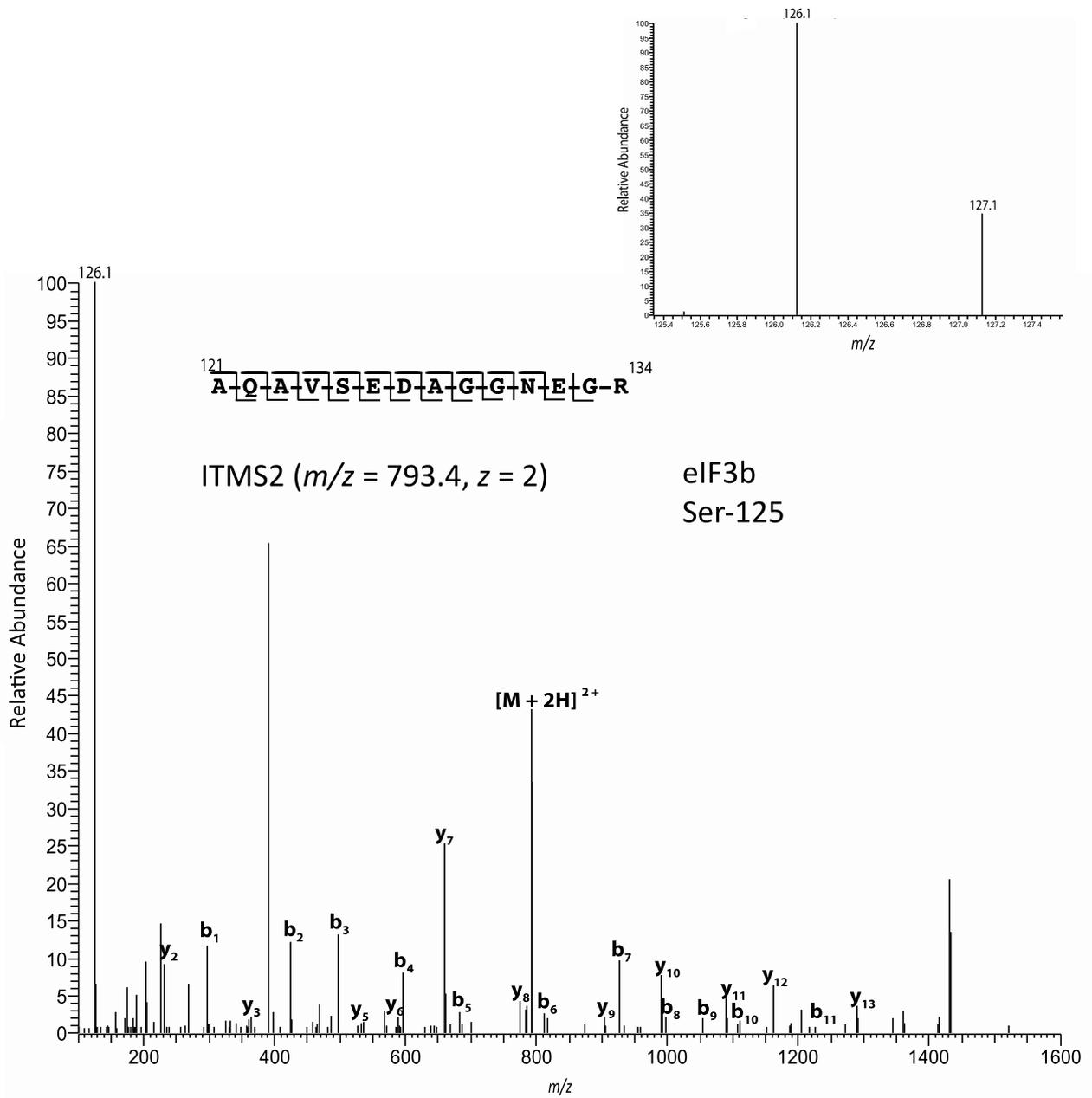
**Figure S11.** Spectrum corresponding to the quantification of phosphorylation of Ser-1364 for eIF3a. Inset in upper right corner is a zoom in view of the reporter TMT ions.



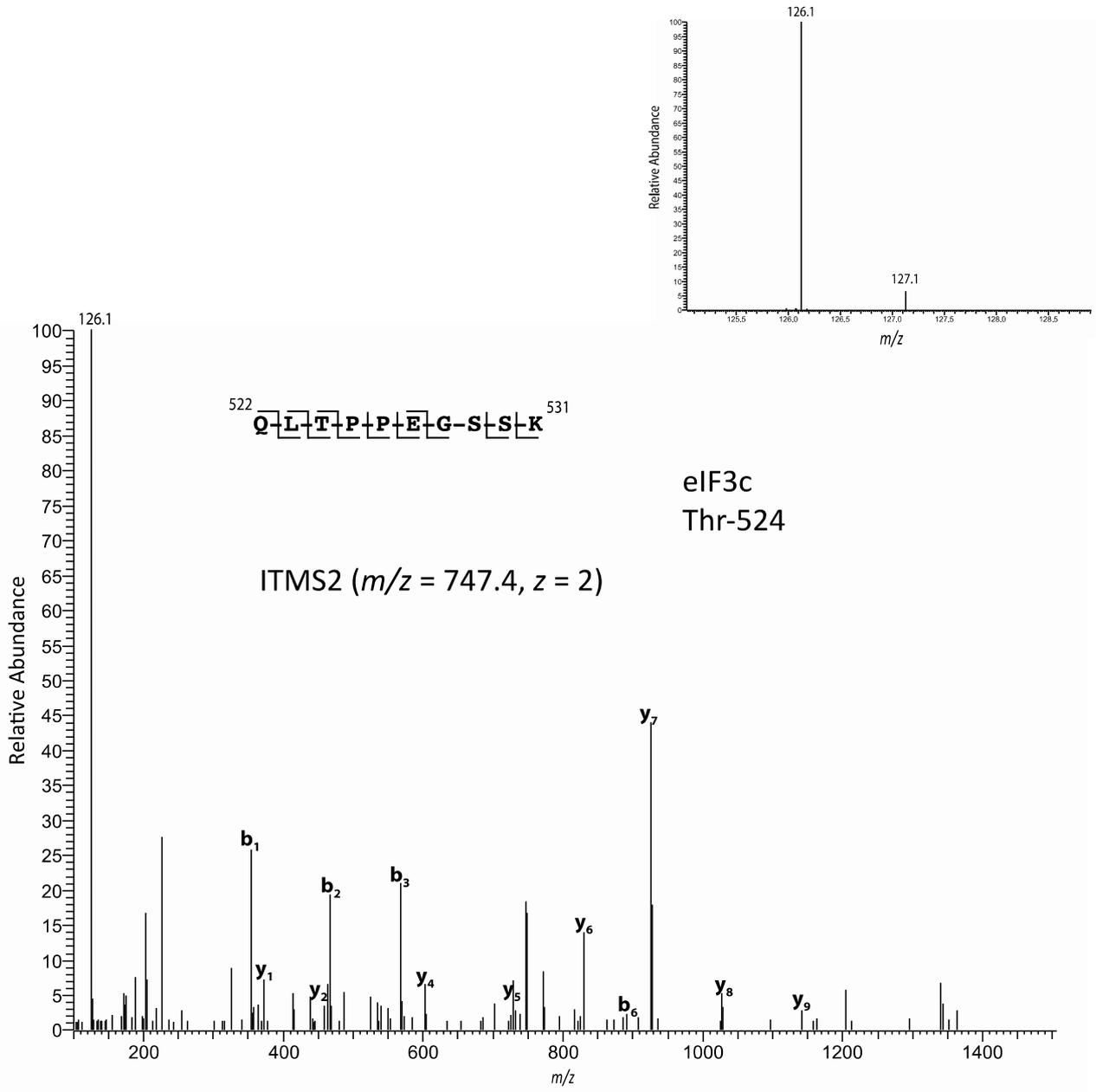
**Figure S12.** Spectrum corresponding to the quantification of phosphorylation of Ser-83 and Ser-85 for eIF3b. Inset in upper right corner is a zoom in view of the reporter TMT ions.



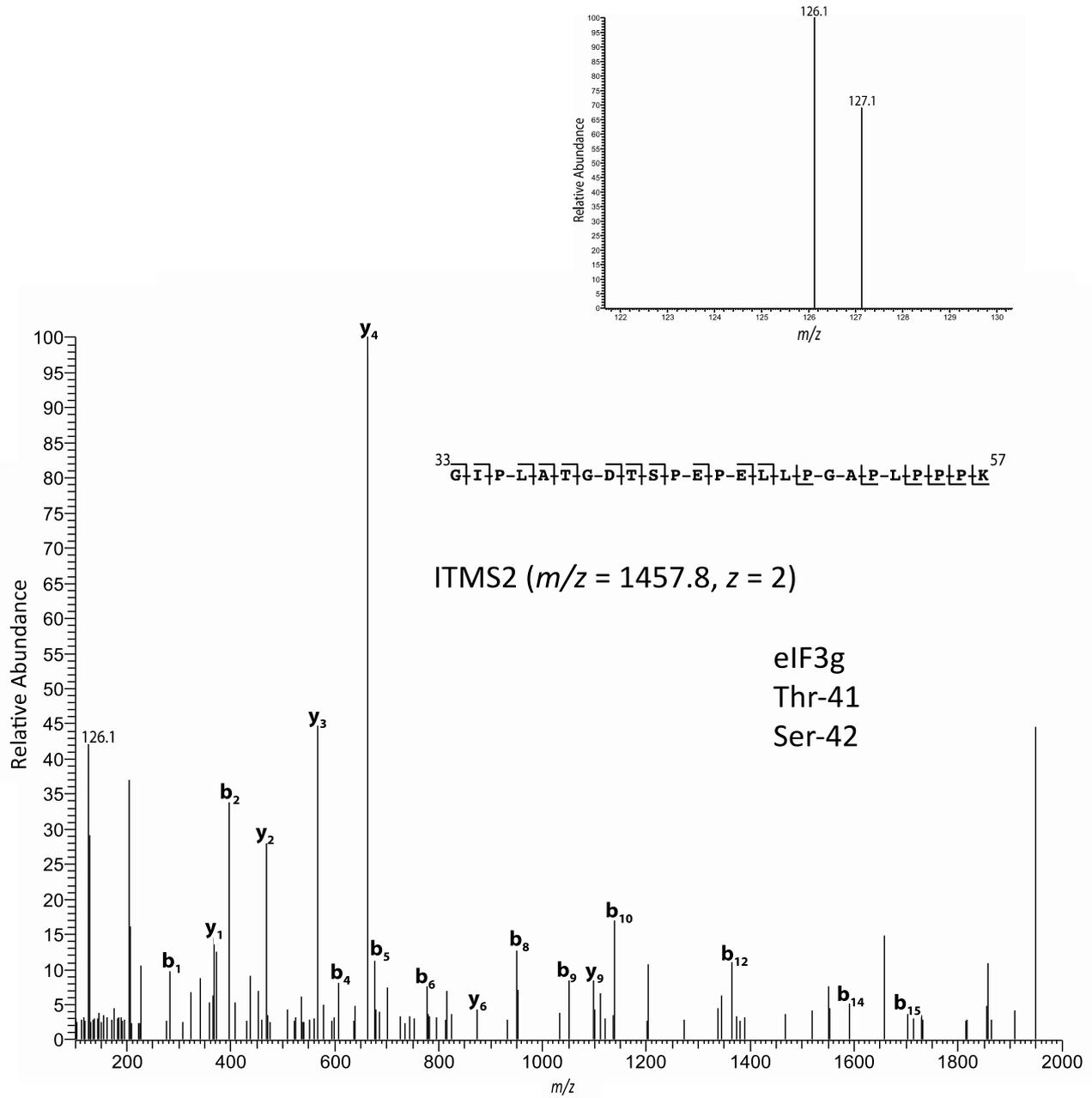
**Figure S13.** Spectrum corresponding to the quantification of phosphorylation of Ser-125 for eIF3b. Inset in upper right corner is a zoom in view of the reporter TMT ions.



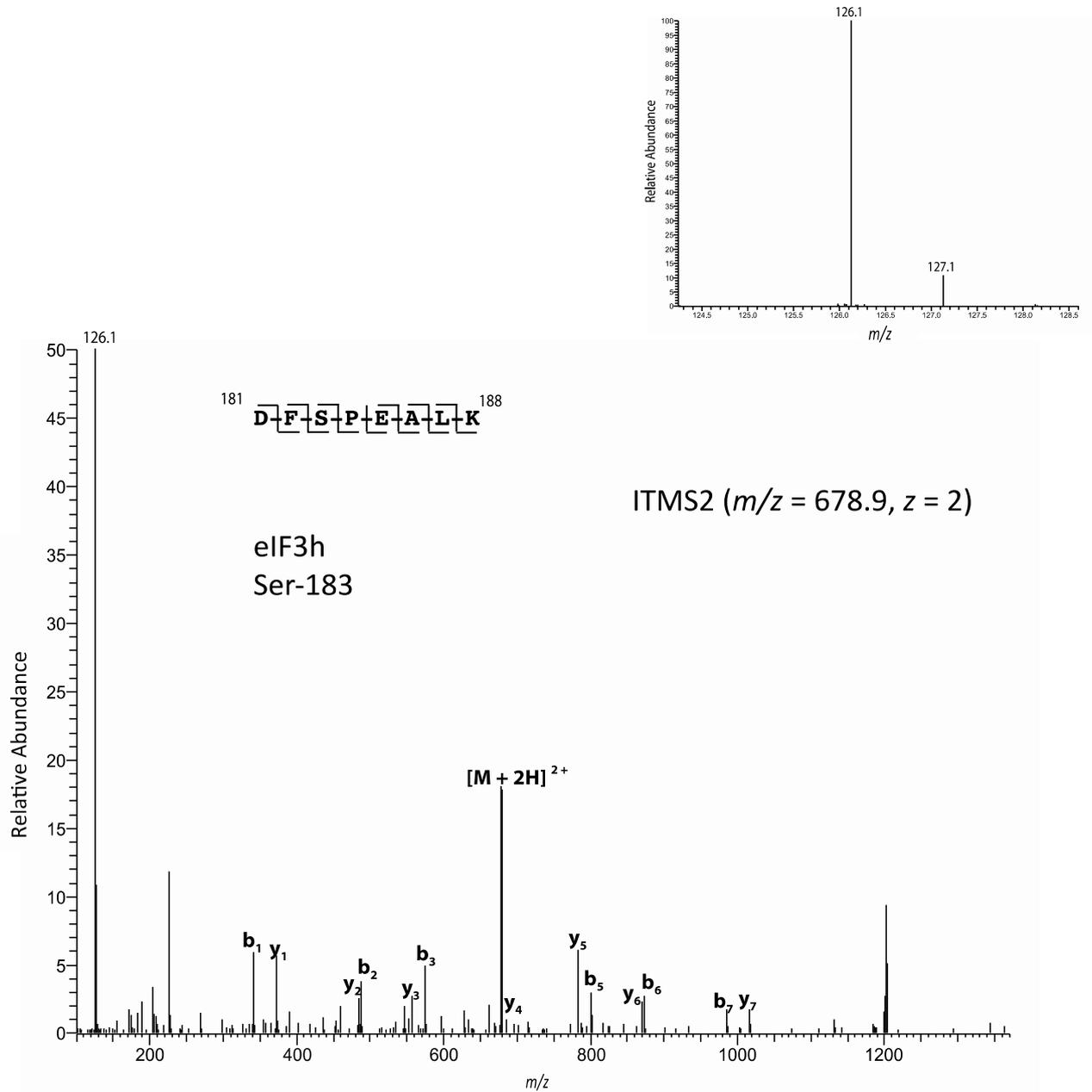
**Figure S14.** Spectrum corresponding to the quantification of phosphorylation of Thr-524 for eIF3c. Inset in upper right corner is a zoom in view of the reporter TMT ions.



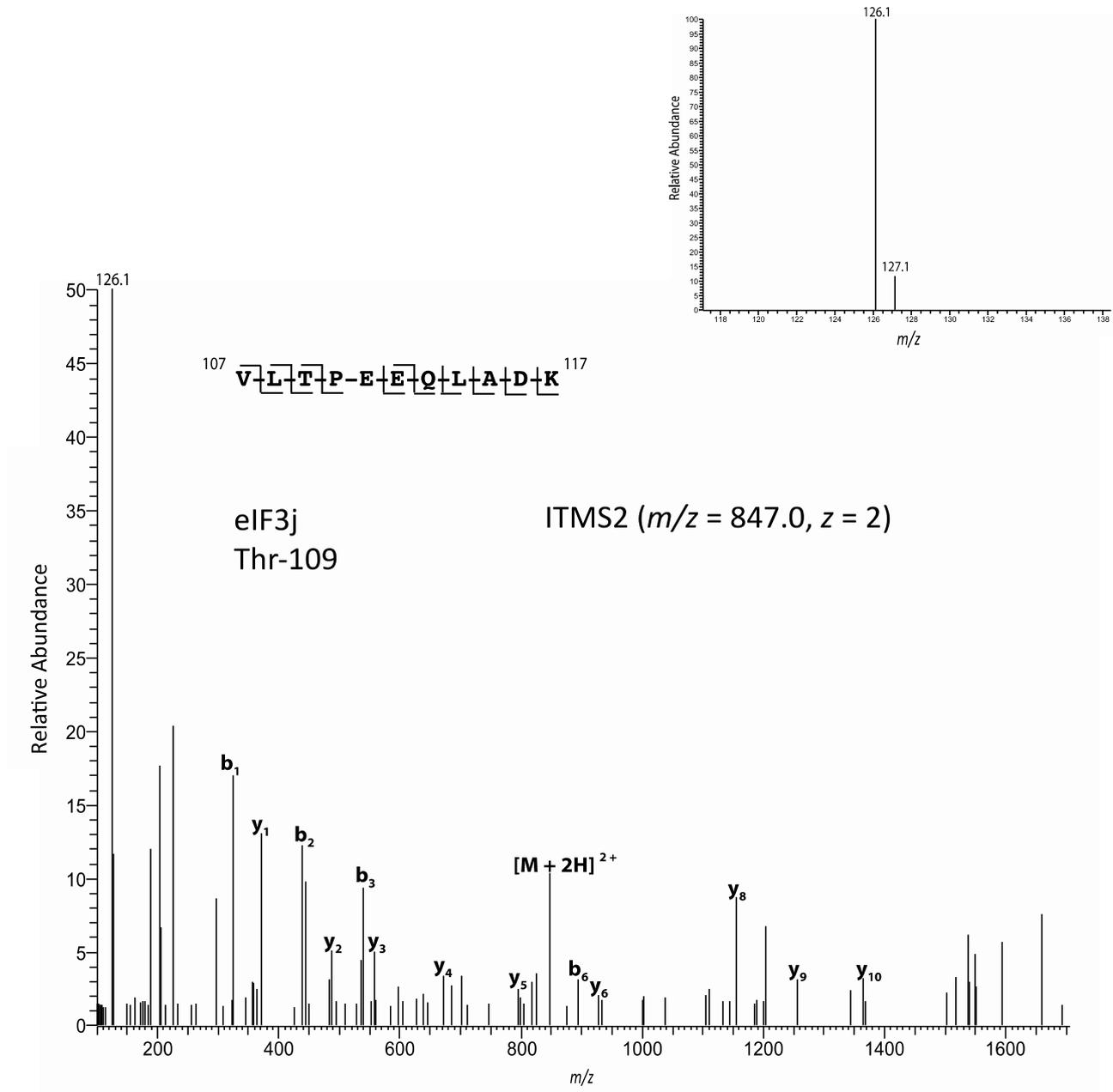
**Figure S15.** Spectrum corresponding to the quantification of phosphorylation of Thr-41 and Ser-42 for eIF3g. Inset in upper right corner is a zoom in view of the reporter TMT ions.



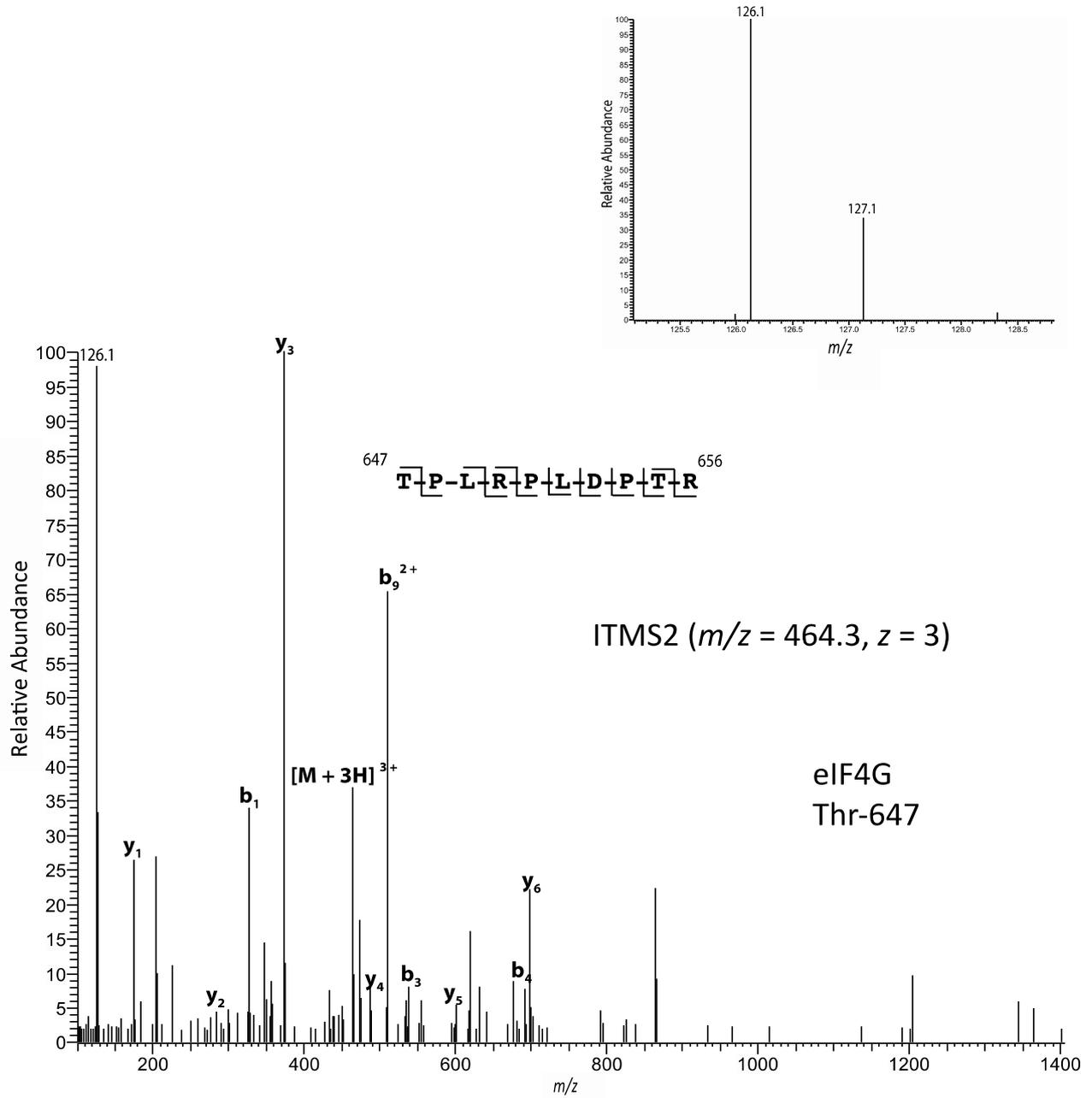
**Figure S16.** Spectrum corresponding to the quantification of phosphorylation of Ser-183 for eIF3h. Inset in upper right corner is a zoom in view of the reporter TMT ions.



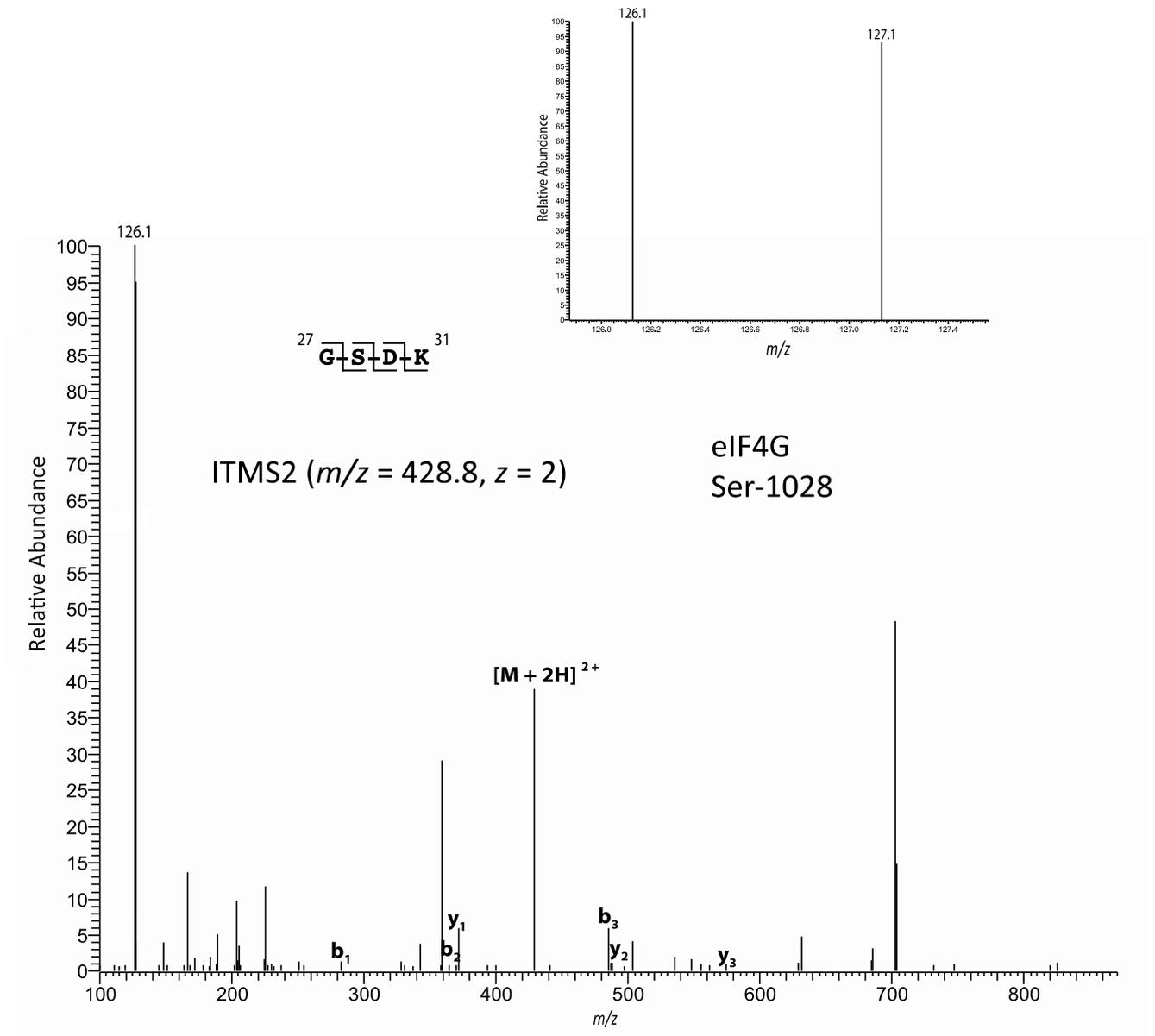
**Figure S17.** Spectrum corresponding to the quantification of phosphorylation of Thr-109 for eIF3j. Inset in upper right corner is a zoom in view of the reporter TMT ions.



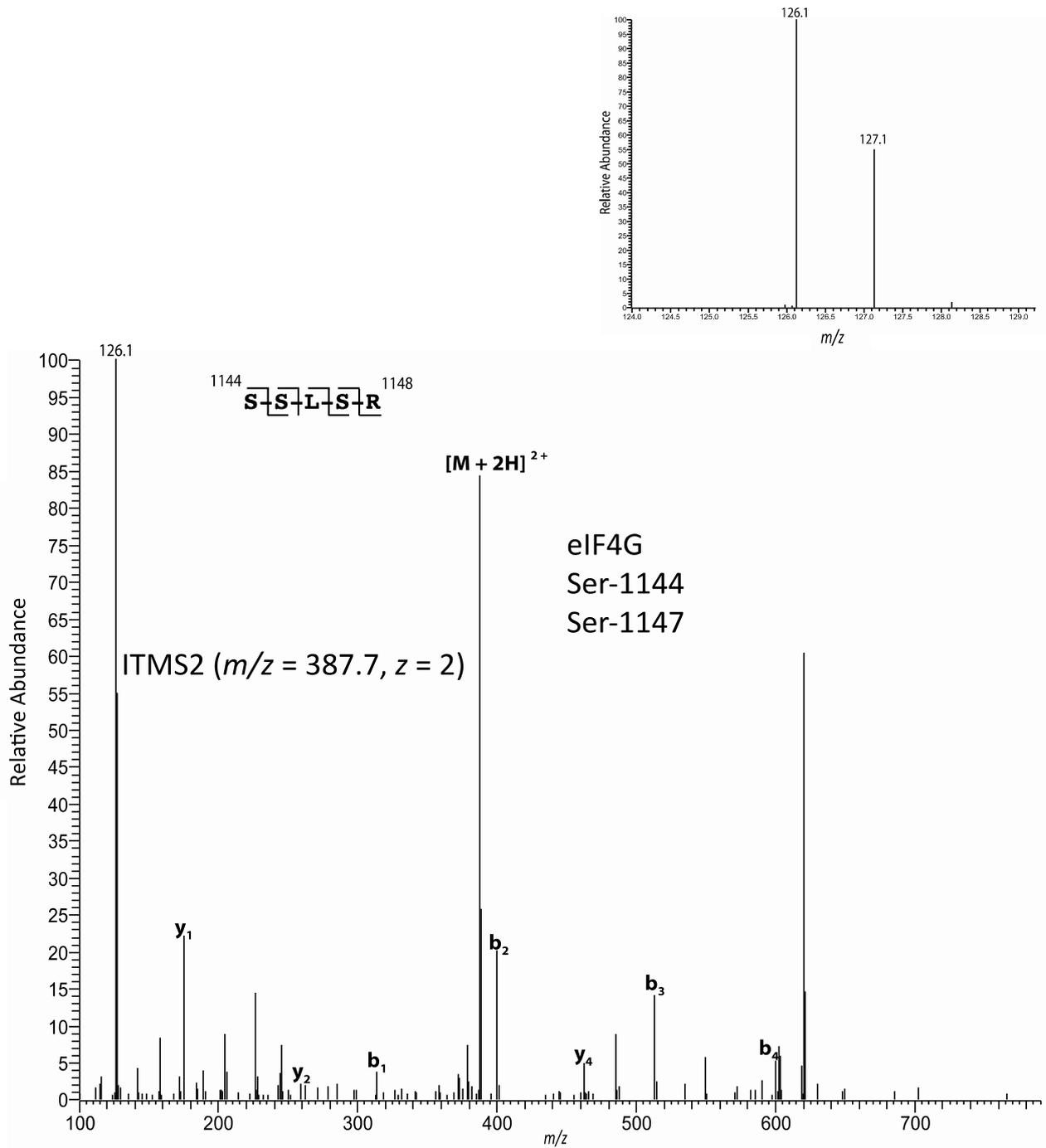
**Figure S18.** Spectrum corresponding to the quantification of phosphorylation of Thr-647 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



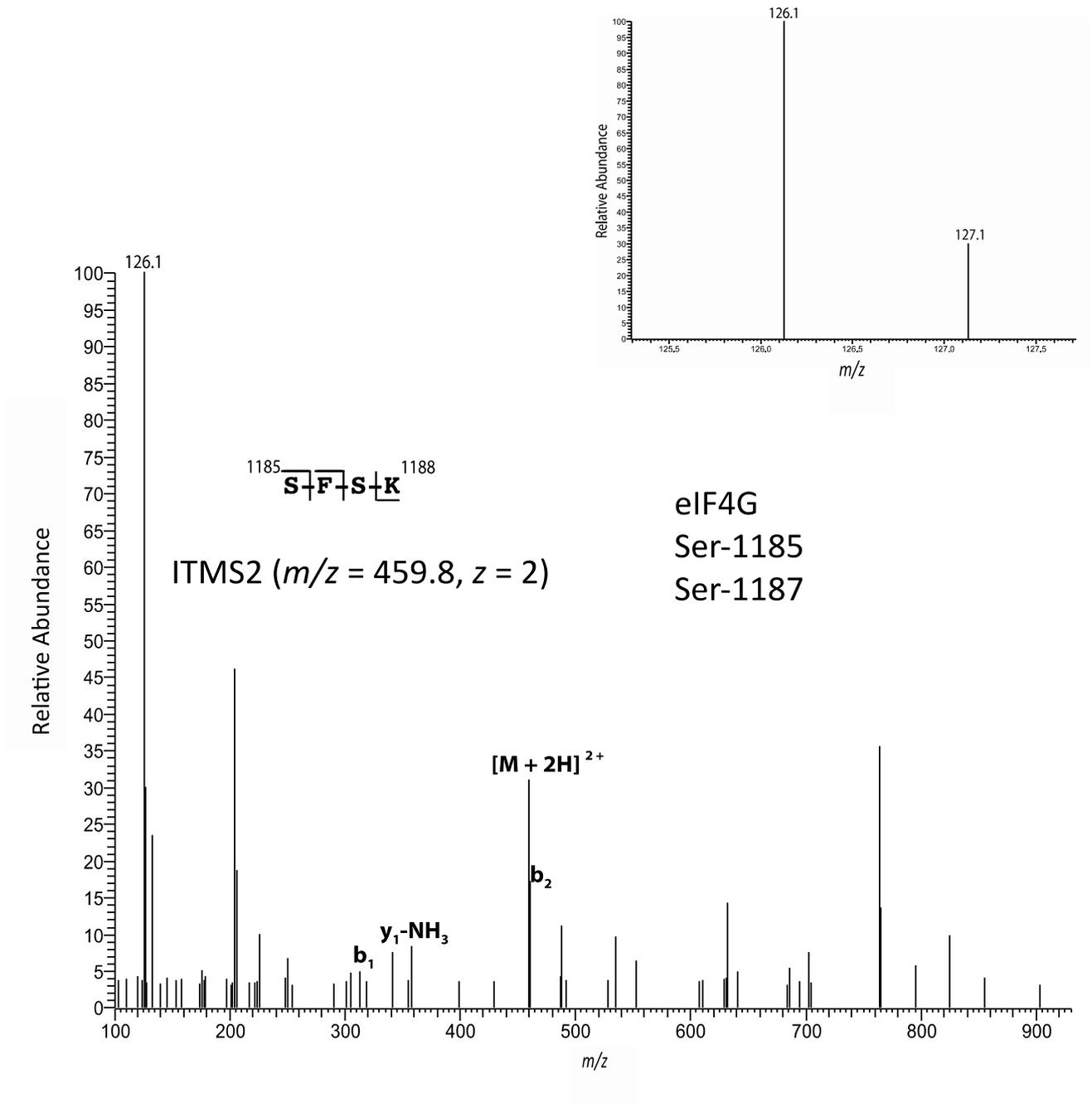
**Figure S19.** Spectrum corresponding to the quantification of phosphorylation of Ser-1028 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



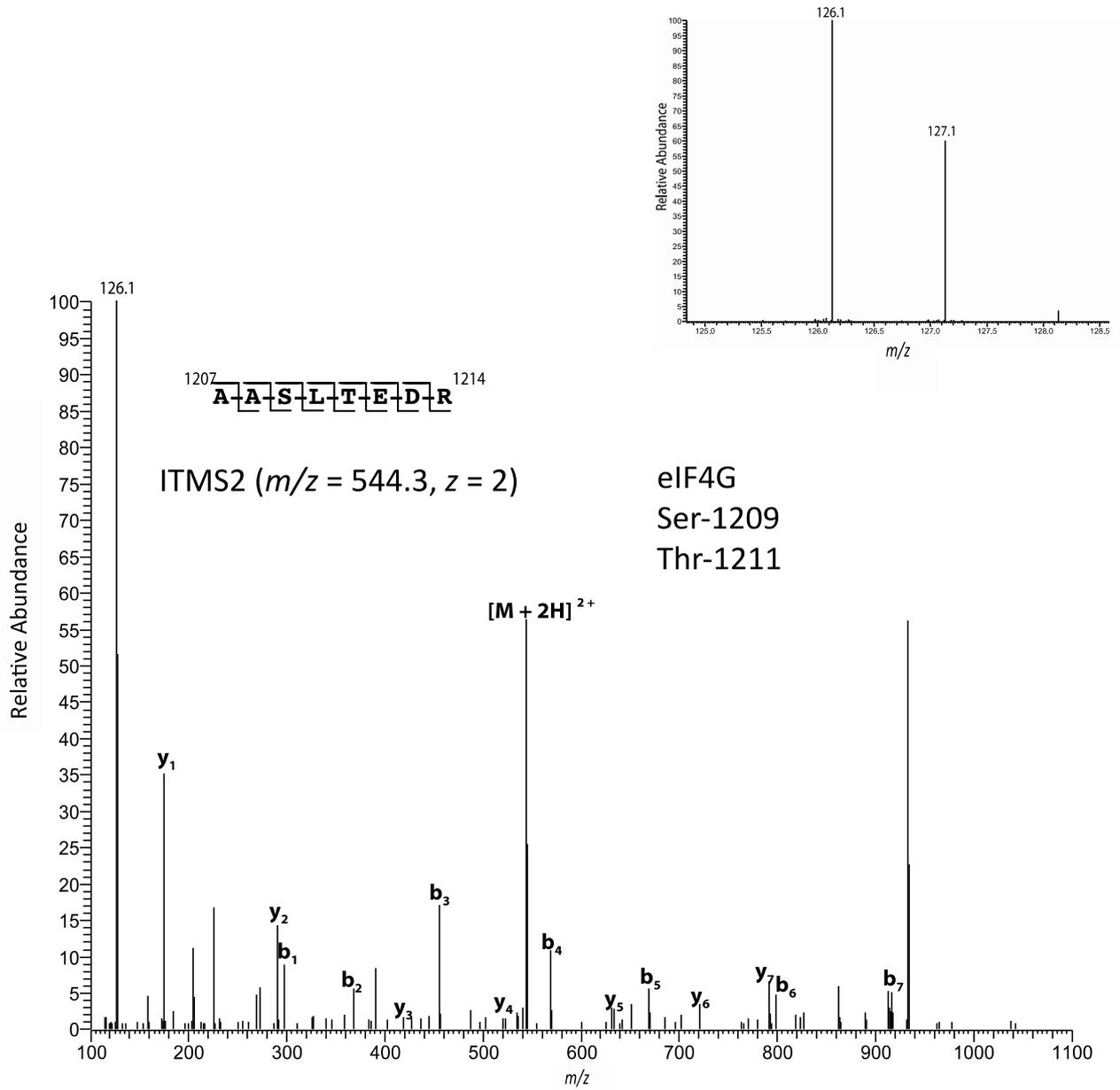
**Figure S20.** Spectrum corresponding to the quantification of phosphorylation of Ser-1144 and Ser-1147 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



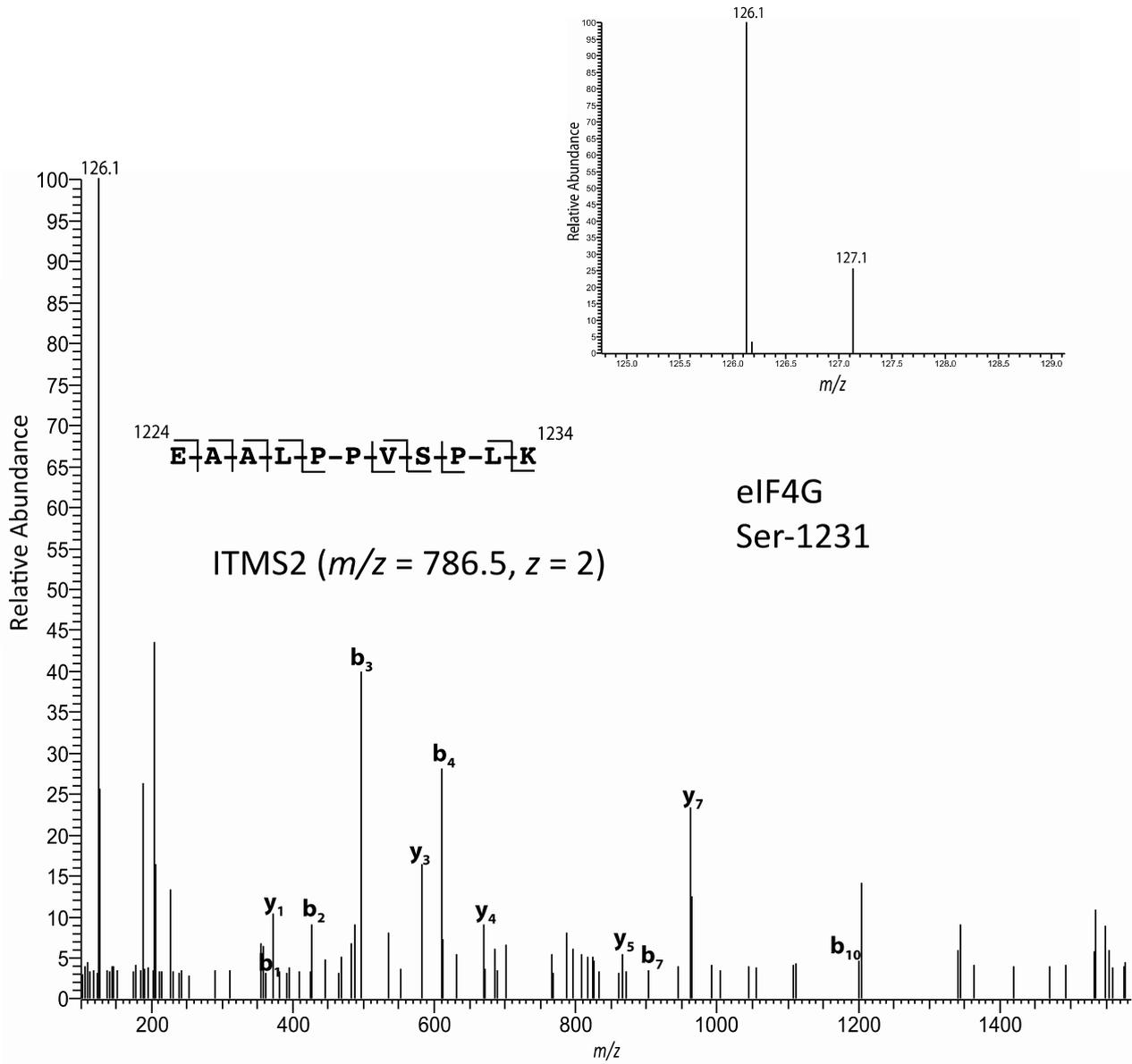
**Figure S21.** Spectrum corresponding to the quantification of phosphorylation of Ser-1185 and Ser-1187 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



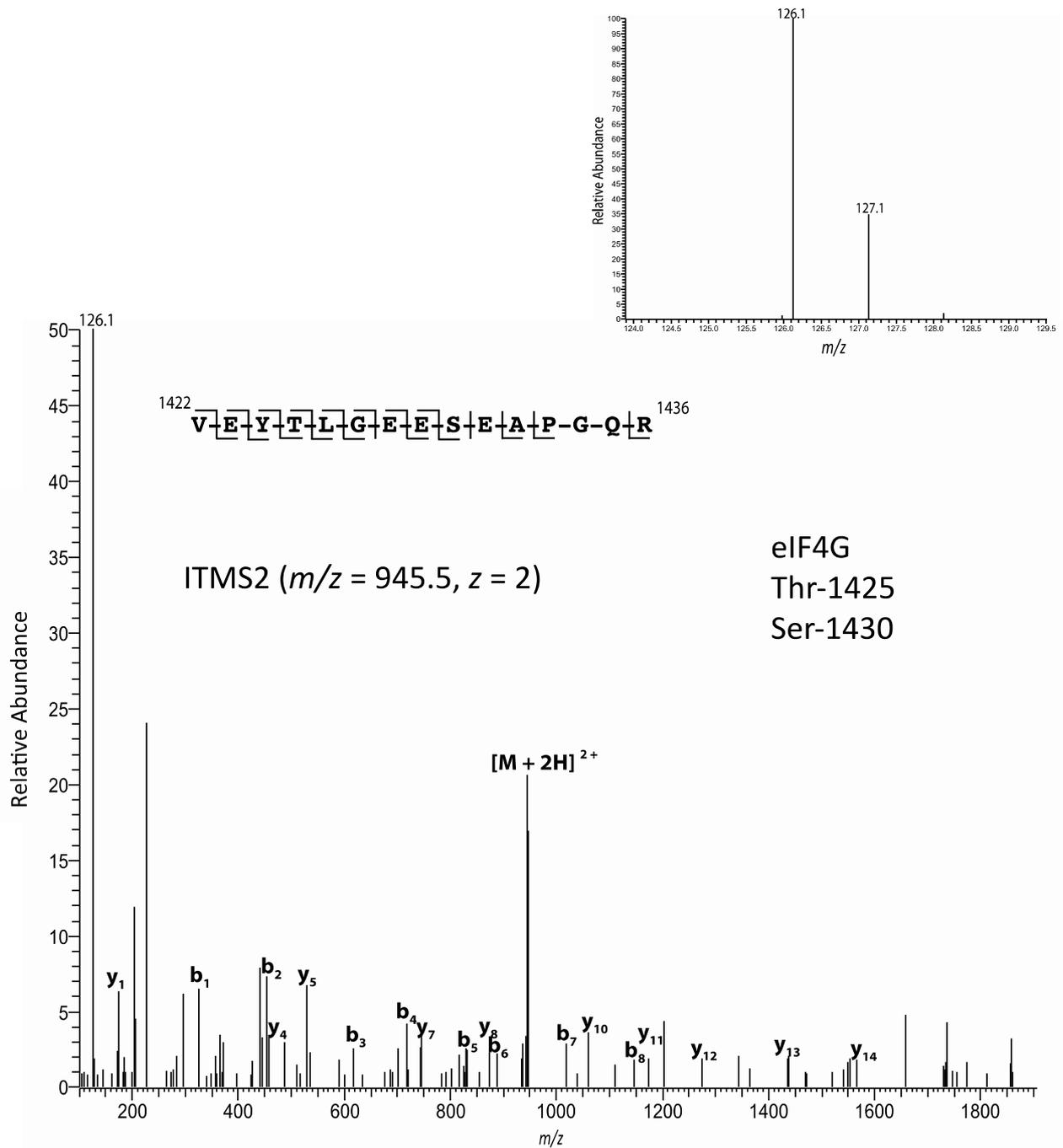
**Figure S22.** Spectrum corresponding to the quantification of phosphorylation of Ser-1209 and Thr-1211 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



**Figure S23.** Spectrum corresponding to the quantification of phosphorylation of Ser-1231 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



**Figure S24.** Spectrum corresponding to the quantification of phosphorylation of Thr-1425 and Ser-1430 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.



**Figure S25.** Spectrum corresponding to the quantification of phosphorylation of Ser-1596 for eIF4G. Inset in upper right corner is a zoom in view of the reporter TMT ions.

