



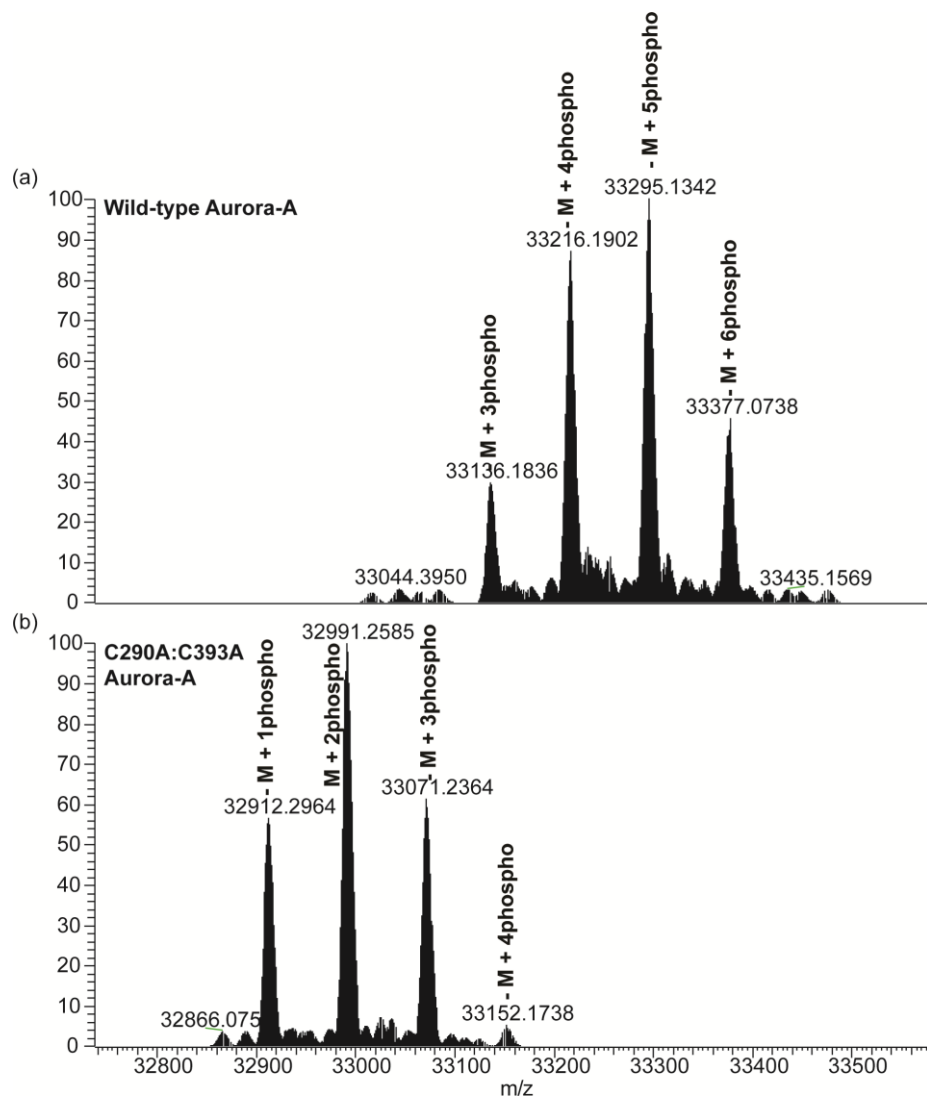
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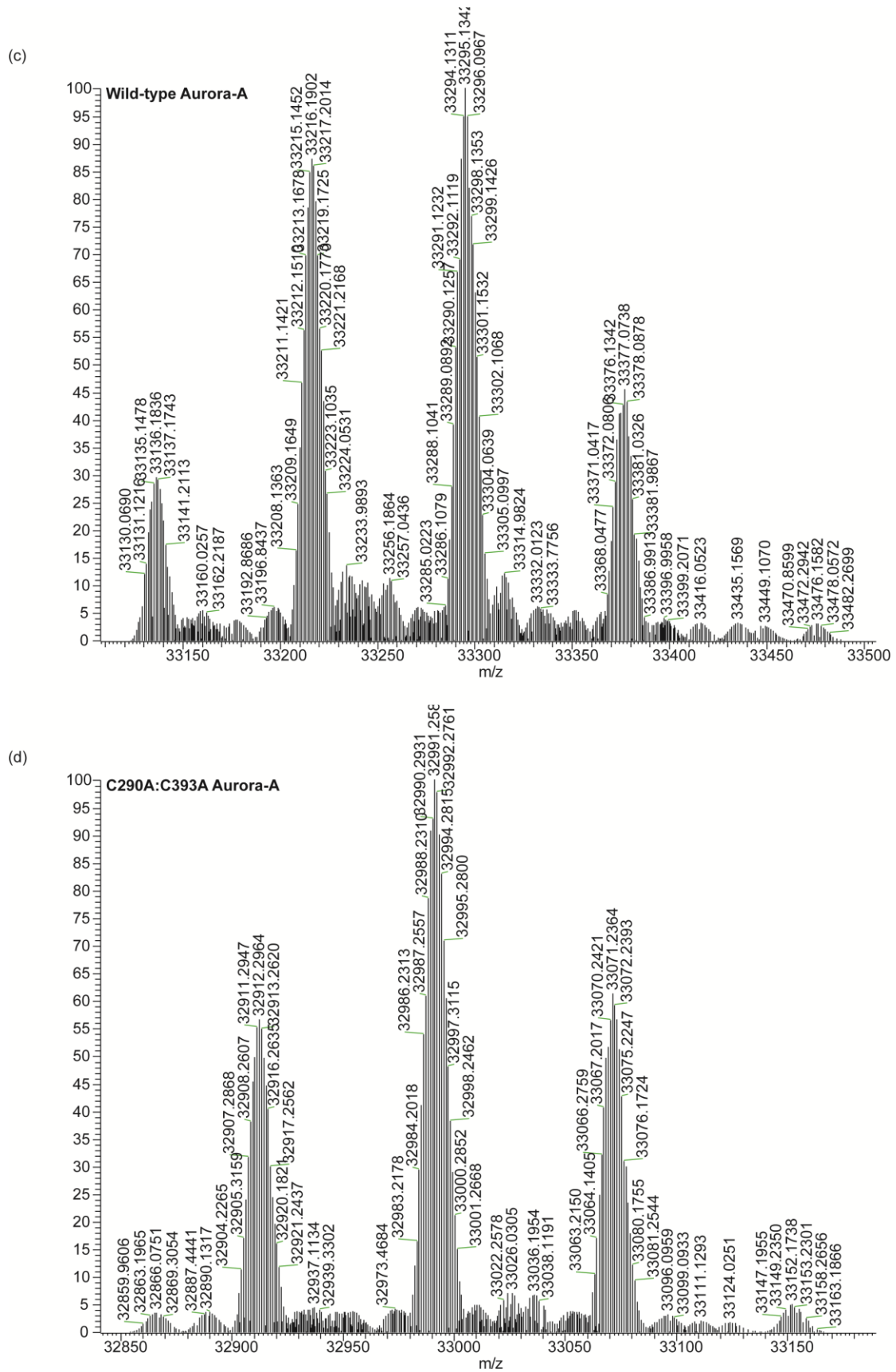
**Volume 71 (2015)**

**Supporting information for article:**

**The structure of C290A,C393A Aurora A provides structural insights into kinase regulation**

**Selena G. Burgess and Richard Bayliss**





**Figure S1** Mass spectrometry of intact Aurora-A. (a) LC-MS/MS spectrum for intact wild-type Aurora-A. (b) LC-MS/MS spectrum for intact C290A:C393A Aurora-A. Peaks are

labelled with the average mass (Da) observed. The theoretical intact mass of wild-type and C290A:C393A Aurora-A are 32896.6484 Da and 32832.5273 Da, respectively. The addition of a phosphate group is observed as an increase in mass of 80 Da. Analysis of the spectra indicate wild-type Aurora-A is phosphorylated on 3-6 sites (marked as M+n phospho), while C290A:C393A Aurora-A is phosphorylated on 1-4 sites. Panels (c) and (d) display expanded views of the spectra shown in (a) and (b).