

Supporting Information

Figure. S1

LC-MS/MS spectra of peptides digested from the SPP-modified MP at pH 6.0:

peptide ⁹RAAEGSSNVFSMFDQTQIQEFK³⁰ at *m/z* 1301.08, with the covalent binding site at Ser14;

peptide ⁷⁵SSAESPLLTMESK⁸⁷ at *m/z* 730.32, with the covalent binding site at Ser79;

peptide ⁸⁵MVGGVTAGHHGSSK⁹⁸ at *m/z* 702.81 with the covalent binding site at Ser96;

peptide ²⁴²²NLLIVSK²⁴²⁸ at *m/z* 867.43 with the covalent binding site at Ser2427;

peptide ⁵²⁶⁶PAVALKSPKPAAEPAPAITTAPVTTPVVVGK⁵²⁹⁵ at *m/z* 987.55, with the covalent binding site at Ser5272;

peptide ⁴¹⁷KQGMKLELYPQK⁴²⁸ at *m/z* 780.39, with the covalent binding site at Tyr425;

peptide ⁹¹⁸VADLLQHITQMKR⁹³⁰ at *m/z* 824.91, with the covalent binding site at Thr926.













