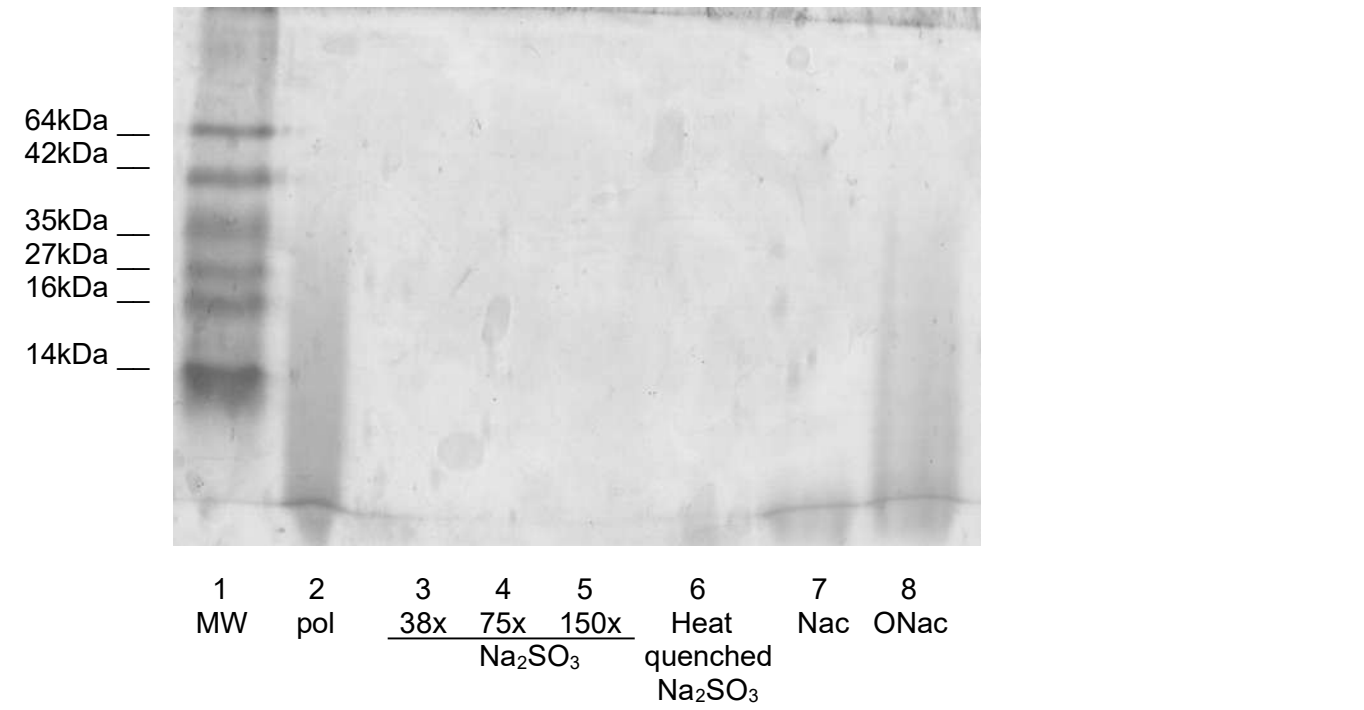

Supplementary Figure 3. Avidity calculation was facilitated by depolymerization verified by SDS-PAGE and indirect ELISA. (A) SDS-PAGE gel showing the depolymerization of the peptide S559 following treatment with N-acetylcysteine and sodium sulfite; 1 MW: ladder; 2 pol: polymeric S559; 3, 4, 5: sulfitolysed with Na_2SO_3 with a molar ratio of 38:1, 75:1, and 150:1 respectively (relative to S559); 6: heat-quenched Na_2SO_3 control; 7: depolymerized with N-acetylcysteine (Nac); 8: oxidized Nac control (oNac). (B) Densitometric plot generated from the gel of A. (C) ELISA binding data of trinitrophenylated S559 treated with varying concentrations of Nac, then detected with anti-TNP antibody (αTNP)