Characterization of cytosolic glutathione-S- transferases (GSTs) involved in the metabolism of the aromatase inhibitor, Exemestane

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Drug Metabolism and Disposition

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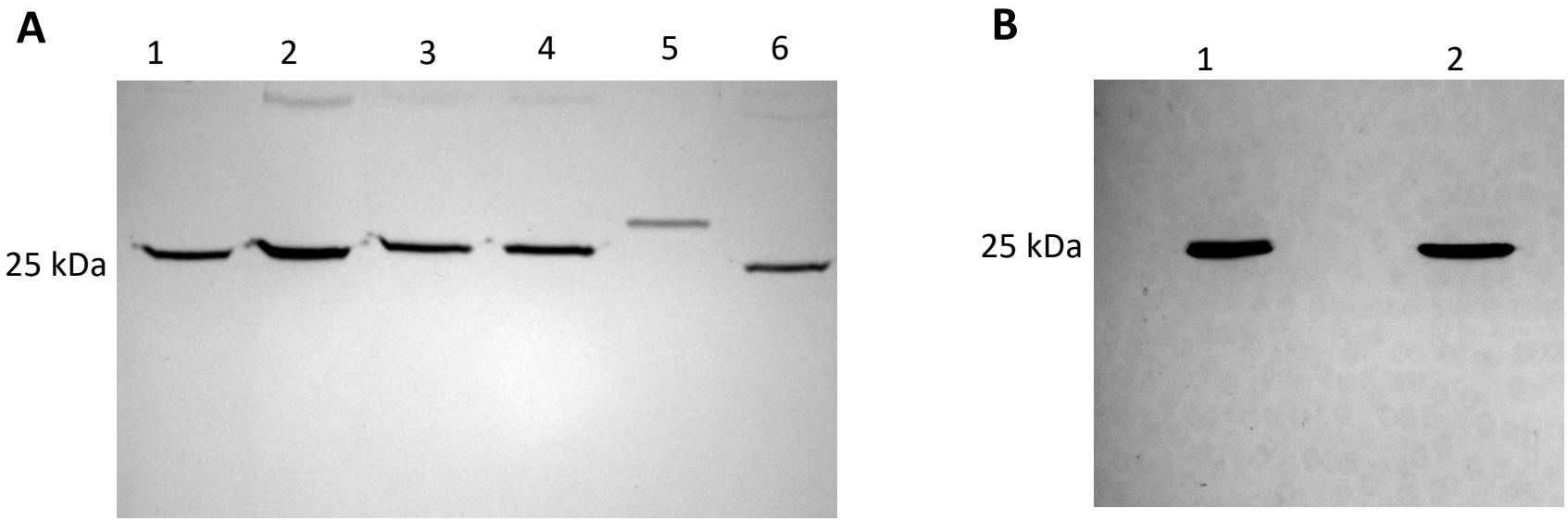
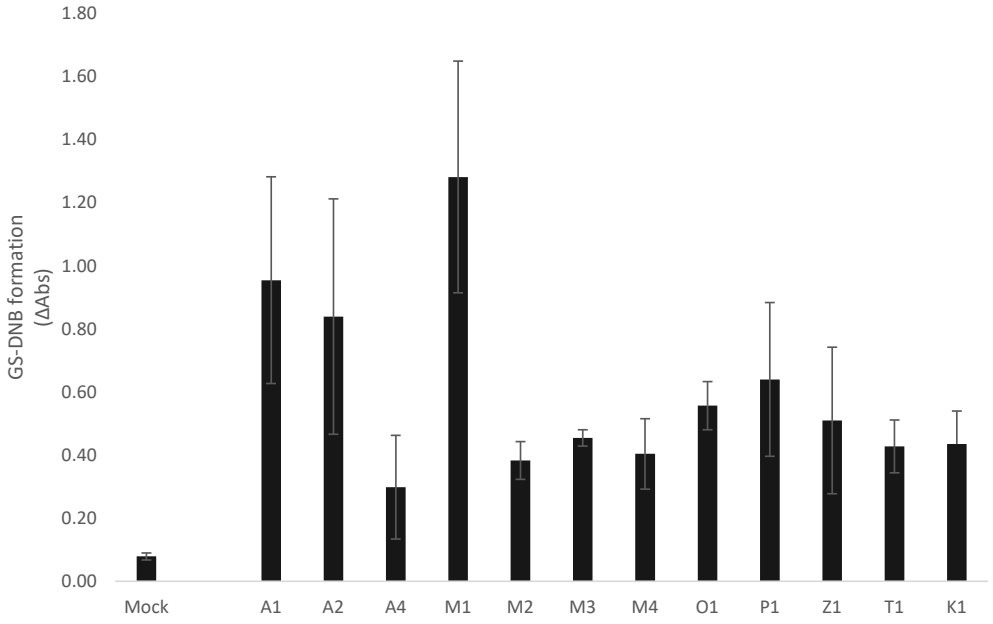
Supplemental Figure 1



Supplemental Figure 1. Silver staining of purified recombinant GSTs. Panel A: lane 1, GSTA1; lane 2, GSTZ1; lane 3, GSTT1; lane 4, GSTM3; lane 5, GSTO1; lane 6, GSTP1. **Panel B**: lane 1, GSTM1; lane 2, GSTA1.

Supplemental Figure 2



Supplemental Figure 2. Relative activities of GSTs against CDNB. Recombinant GST activities were checked against the known GST substrate, CDNB. The GS-DNB, a product of CDNB conjugation with GSH, was measured at the wavelength of 340 nm from 0 to 6 min, and the change in absorbance for each GST was compared to the mock control. Experiments were performed in triplicates.

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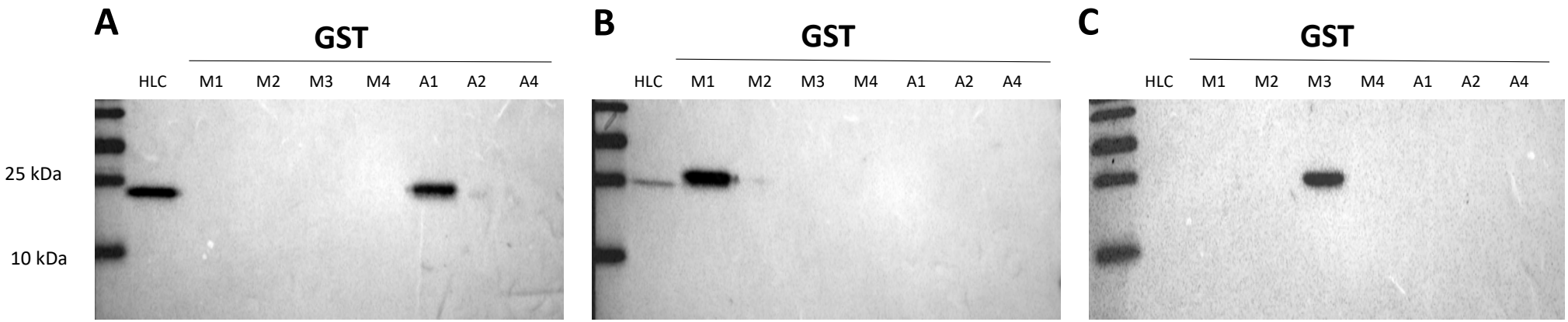
Supplemental Figure 3



Supplemental Figure 3. Antibody Specificity in Western Blots. A total of 12.5 µg of HLC and 0.25 µg of purified recombinant GSTM1, GSTM2, GSTM3, GSTM4, GSTA1, GSTA2 or GSTA4 were loaded on three separate SDS-PAGE gels followed by Western blots with a GSTA1-specific antibody (Panel A), a GSTM1-specific antibody (Panel B) and a GSTM3 specific antibody (Panel C), performed as described in the Materials and Methods.