This journal is (c) The Royal Society of Chemistry 2010

Glutathione-*S*-Transferase as a General and Reversible Tag for Surface Immobilization of Proteins

Christopher M. Kolodziej,[a] Chien-Wen Chang [a,b] and Heather D. Maynard* [a]

[a] *Department of Chemistry and Biochemistry and the California NanoSystems Institute, Univeristy of California, Los Angeles, 607 Charles E. Young Drive South, Los Angeles, CA 90095, USA.*

** maynard@chem.ucla.edu*

[b] *Department of Bioengineering, University of California, San Diego, 9500 Gilman Drive, San Diego, CA 92093, USA.*

Supporting Information

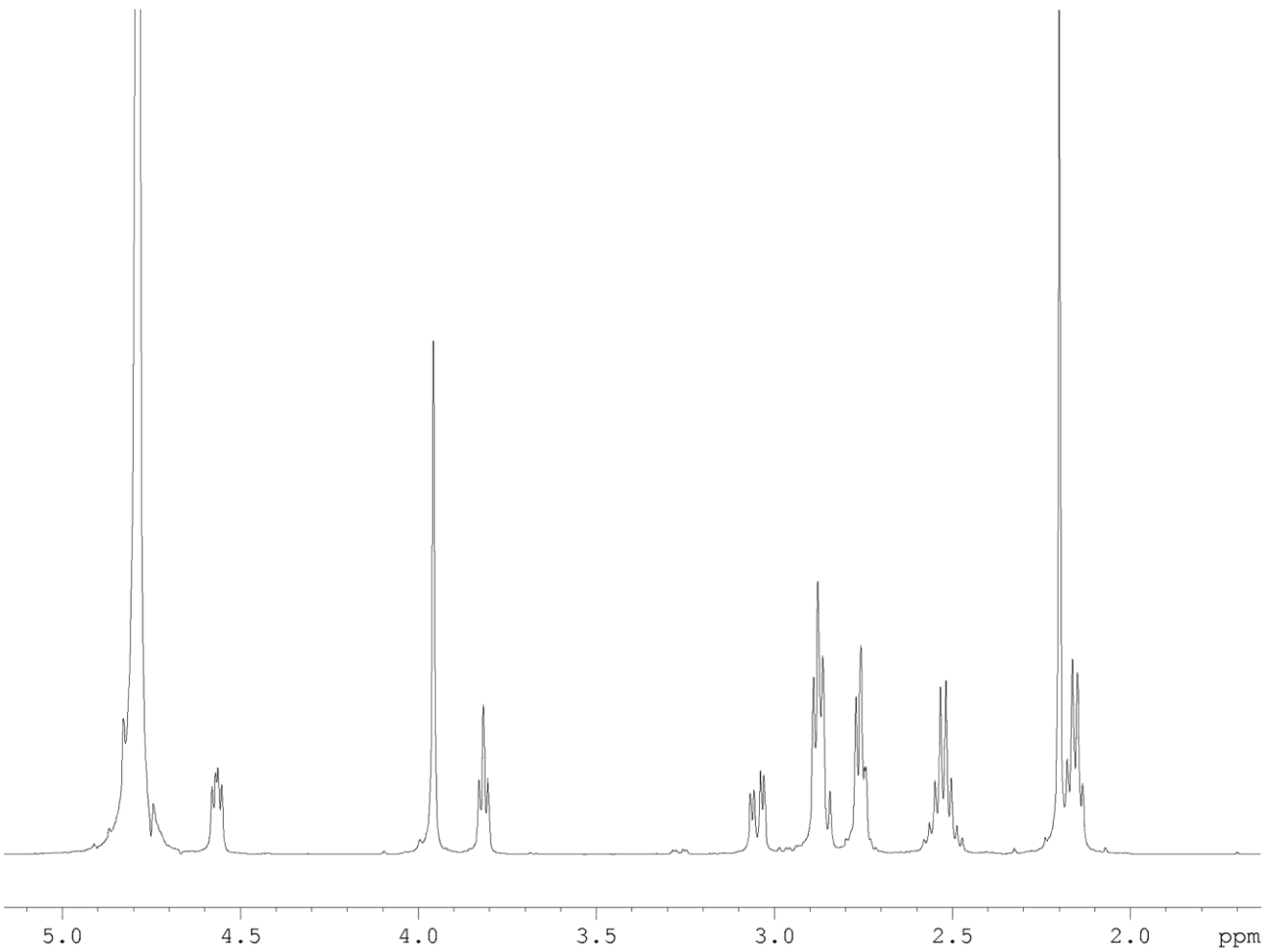

Fig. S1 ^{1}H NMR of 4-*S*-glutathionyl-2-oxobutane

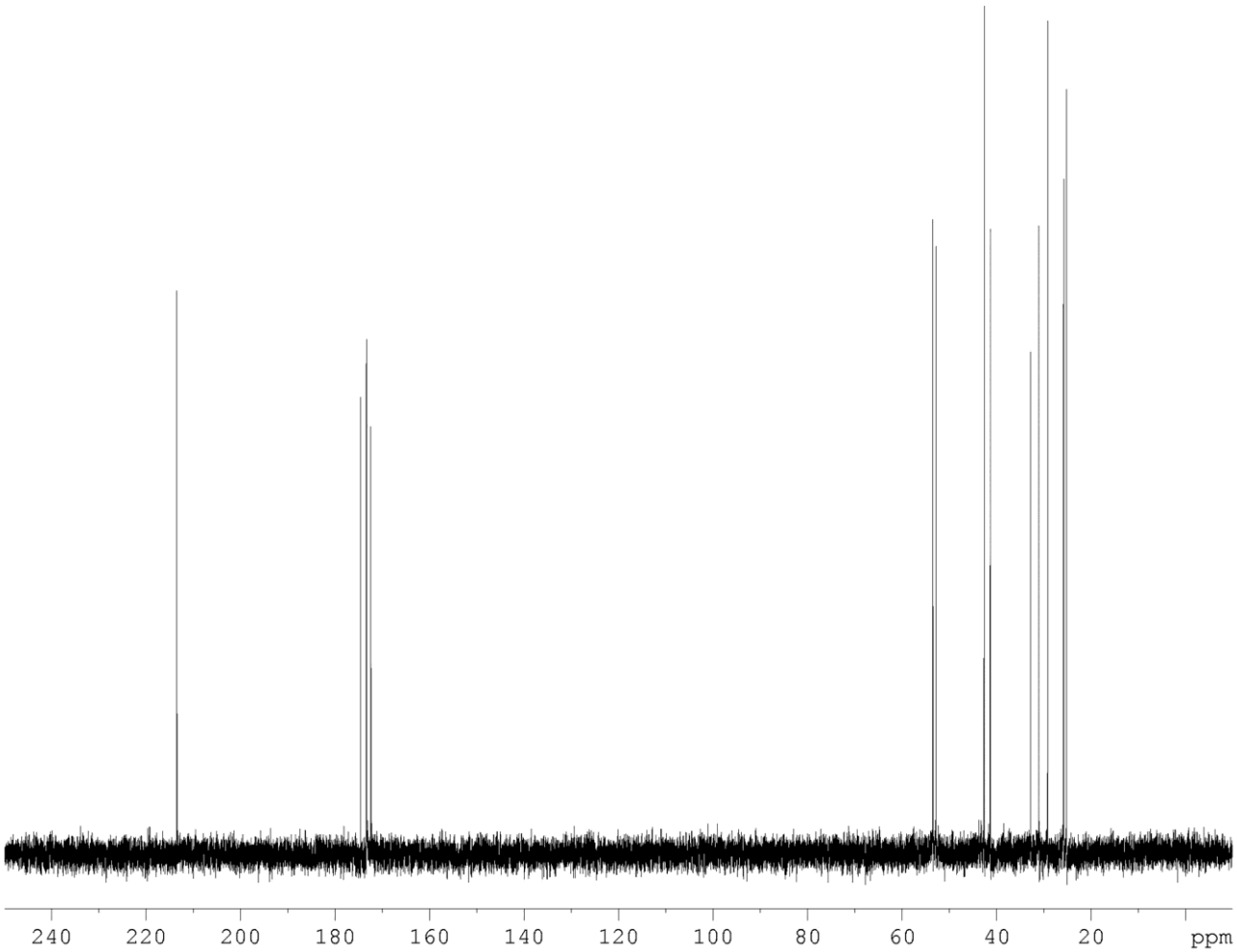

Fig. S2 ^{13}C NMR of 4-*S*-glutathionyl-2-oxobutane

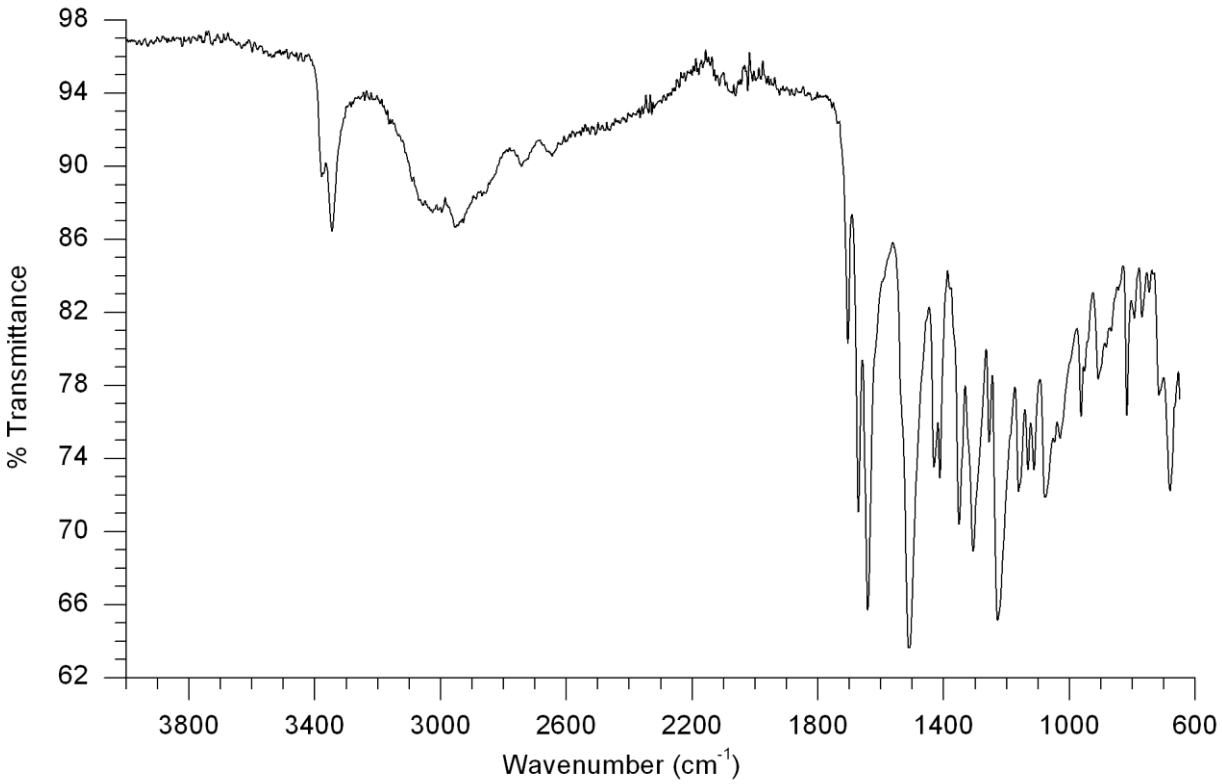

Fig. S3 FTIR Spectrum of 4-*S*-glutathionyl-2-oxobutane

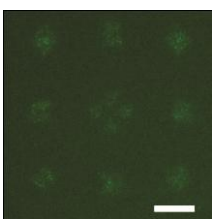

Fig. S4 Fluorescence image of negative control surface with GST immobilization attempted on aminooxy-functionalized wafers without GSH present.

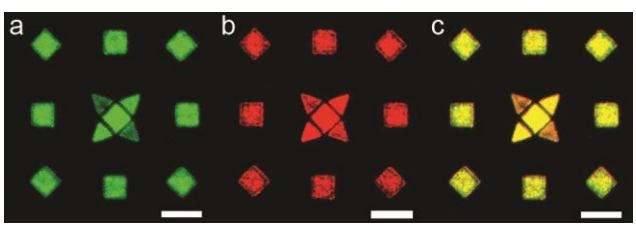

Fig. S5 Fluorescence images of immobilized GST-FGF2. Immunostaining for GST (a) and FGF2 (b) are colocalized in the composite image (c).