

Thiol Peak Position (V)	Optimum deposition potential	Peak response to additions of Cu, TU and GSH	Comments:
(-0.30) – (-0.29)	-0.1 V	Cu: decreased TU: decreased GSH: increased	Potentially cysteine or 3-mercaptopropionic acid
(-0.42) – (-0.44)	+0.05 V	Cu: no response TU: decreased GSH: increased	Potentially 2-mercaptoethanol (peak position -0.4 V (Casassas et al., 1985))
(-0.53) – (-0.57)	-0.2 V	Cu: increased TU: increased GSH: increased	Cu-binding thiol, likely glutathione but also coalescing with a thiourea-type thiol

Supplementary Table 1. The voltammetric peak position of the three potential thiol peaks in sample P26, 75m after background subtraction, and their response to additions of copper, thiourea and glutathione.