

Supporting Information for

Principles of Detecting Vaporous Thiols Using Liquid Crystals and Metal Ion Microarrays

Huan Xu, Xinyan Bi, Xuanming Ngo, Kun-Lin Yang*

Department of Chemical and Biomolecular Engineering, National University of
Singapore, 4 Engineering Drive 4, Singapore, 117576

*To whom correspondence should be addressed

Phone: +65-6516-6614

Email: cheyk@nus.edu.sg



Fig. S1 Optical micrographs of a thin layer of liquid crystal 5CB ($\sim 6 \mu\text{m}$) sandwiched between a DMOAP - coated surface and an aminated surface patterned with circular domains of 1 mM of Cu^{2+} ions. Before 5CB was filled, the metal-decorated surface exposed different reagents.