

Table S1. EDS characterization of OSTE surfaces, either raw or treated (incubation and UV treatments) with gold nanoparticles. Plates were washed with ultra-pure water using ultrasound for 1 min before surface analysis (See experimental section for more details on experimental conditions).

Treatment	2.5 thiol	1.3 allyl
Control	0 %	0 %
Incubation	2.02 %	0 %
UV	0.47 %	0.06 %

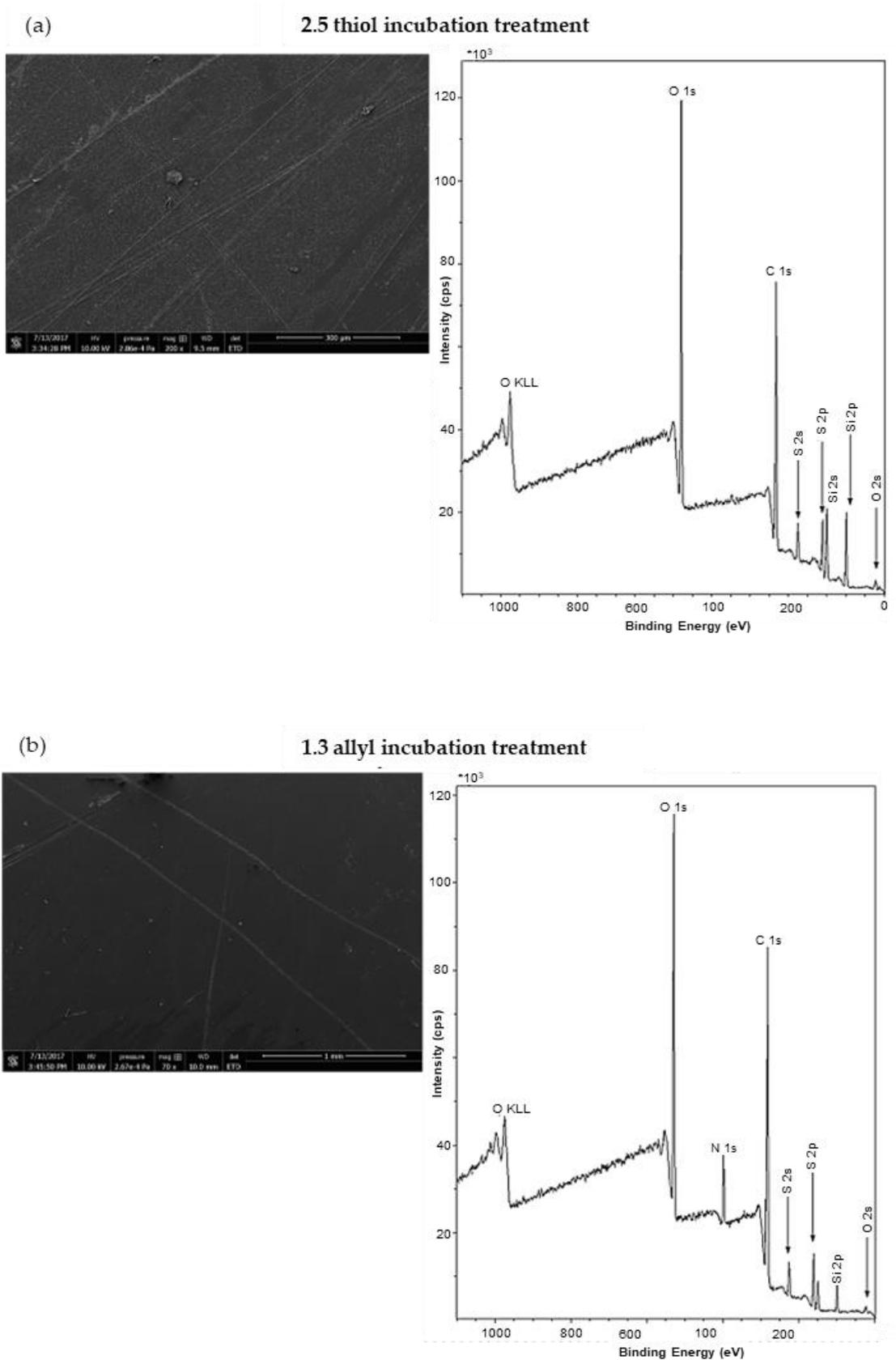


Figure S1. SEM micrography and XPS spectra of OSTE surfaces ((a) 2.5 thiol and (b) 1.3 allyl) after incubation with gold nanoparticles. Plates were washed with ultra-pure water using an ultrasound

for 1 min before surface characterizations (See experimental section for more details on experimental conditions).