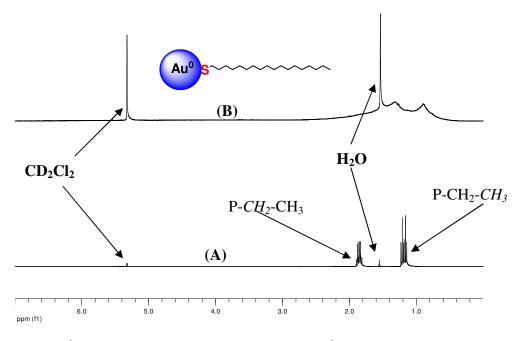
Supporting Information For

Spectroscopic and Microscopic Investigation of Gold Nanoparticle Formation: Ligand and Temperature Effects on Rate and Particle Size

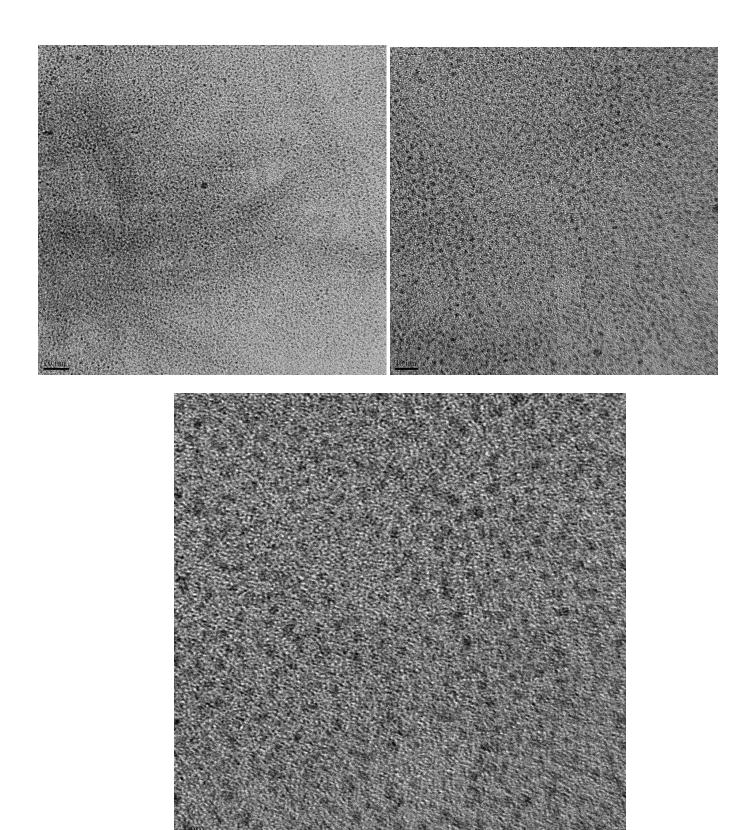
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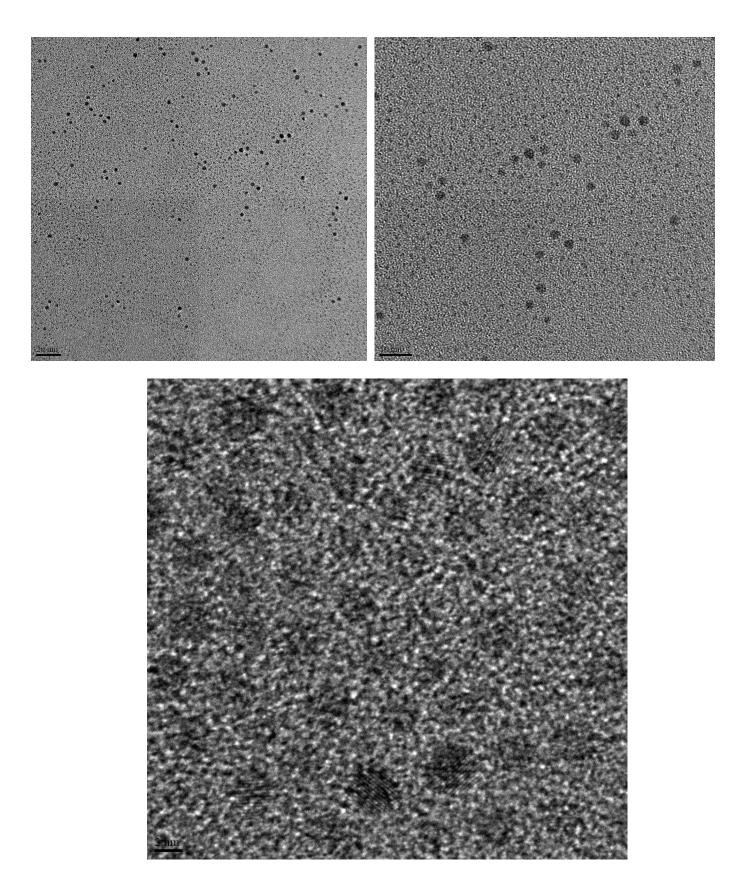
*Corresponding author E-mail: shumaker-parry@chem.utah.edu



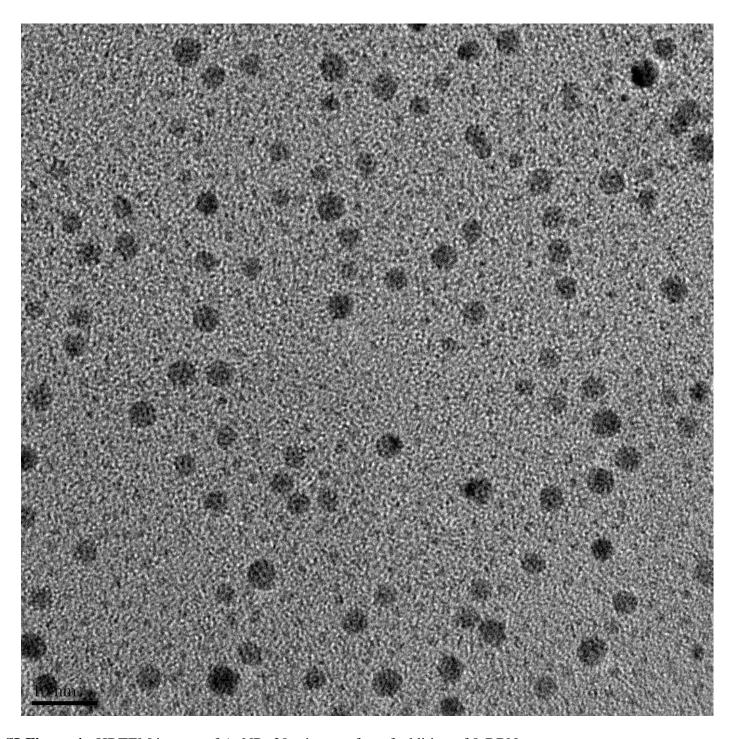
SI-Figure 1: (A) ¹H NMR of pure Et₃PAu in CD₂Cl₂. (B) ¹H NMR of ODT capped AuNPs in CD₂Cl₂. The broad peaks at 0.9 and 1.4 ppm indicate that the thiols are attached on the AuNPs surface. The spectra were obtained using a Bruker model DRX 400 MHz spectrometer with a 5 s relaxation delay time.



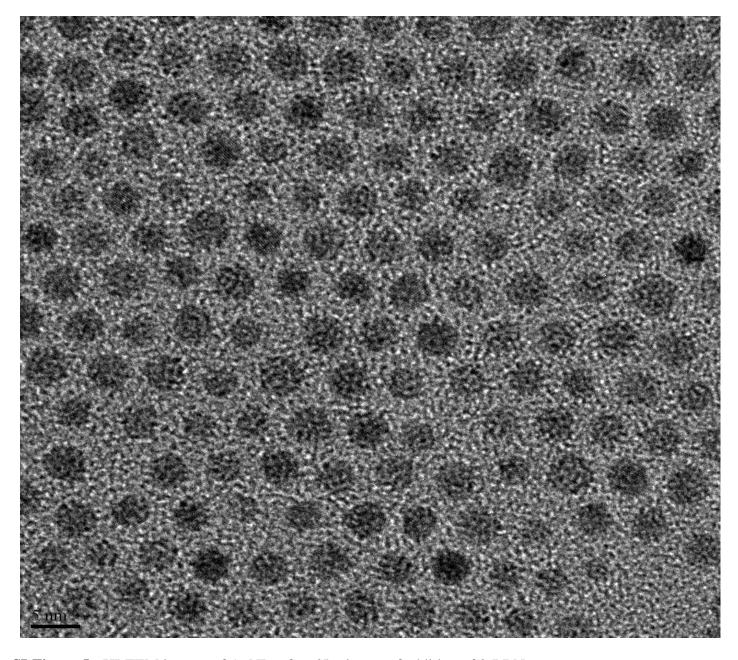
SI-Figure 2: HRTEM images of AuNPs after 2 minutes of addition of 9-BBN.



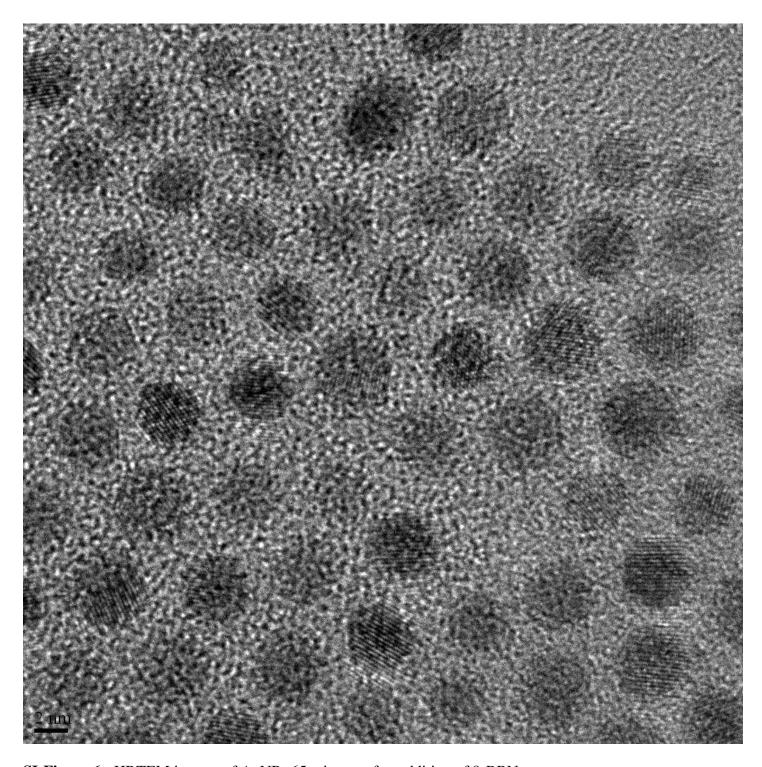
SI-Figure 3: HRTEM images of AuNPs 5 minutes after addition of 9-BBN.



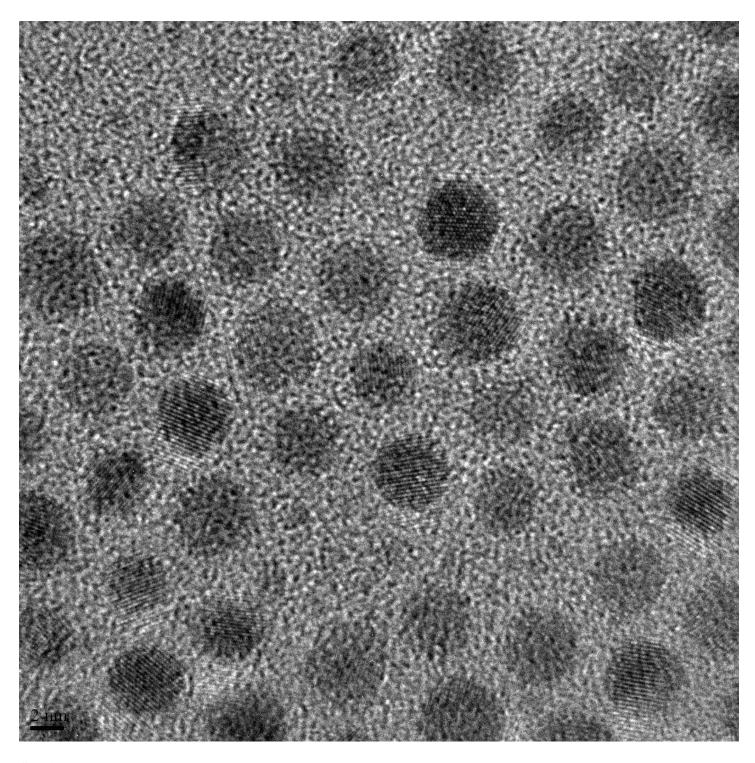
SI-Figure 4: HRTEM images of AuNPs 30 minutes after of addition of 9-BBN.



SI-Figure 5: HRTEM images of AuNPs after 65 minutes of addition of 9-BBN.



SI-Figure 6: HRTEM images of AuNPs 65 minutes after addition of 9-BBN.



SI-Figure 7: HRTEM images of AuNPs 65 minutes after addition of 9-BBN.