## **SUPPORTING INFORMATION**

## Tailoring the Structure of Nanopyramids for Optimal Heat Generation

Warefta Hasan,† Christopher L. Stender,† Min Hyung Lee,† Colleen L. Nehl,† Jeunghoon Lee,† and Teri W. Odom†,‡,\*

†Department of Chemistry, ‡Department of Materials Science and Engineering, Northwestern
University, 2145 Sheridan Road, Evanston, Illinois 60208-3113

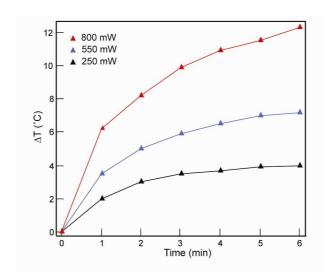
+ Present address: Department of Chemistry and Biochemistry, Boise State University, 1910
University Drive, Boise, ID 83725-1520

\* To whom correspondence should be addressed. E-mail: todom@northwestern.edu.

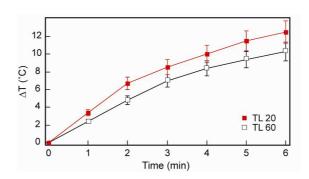
Telephone number: 847-491-7674

Fax number: 847-491-7713

Email address: todom@northwestern.edu



**Fig. S1.** Photothermal response of thin nanopyramids with tips (WT 20) under different laser excitation powers.



**Fig. S2. Effect of shell thickness on the photothermal response.** Temperature increase of suspension of TL 20 and TL 60 nanopyramids containing the same amount of Au (0.6 ppm).