

Supplementary information for:

Automated Laser-Fiber Coupling Module for Optical-Resolution Photoacoustic Microscopy

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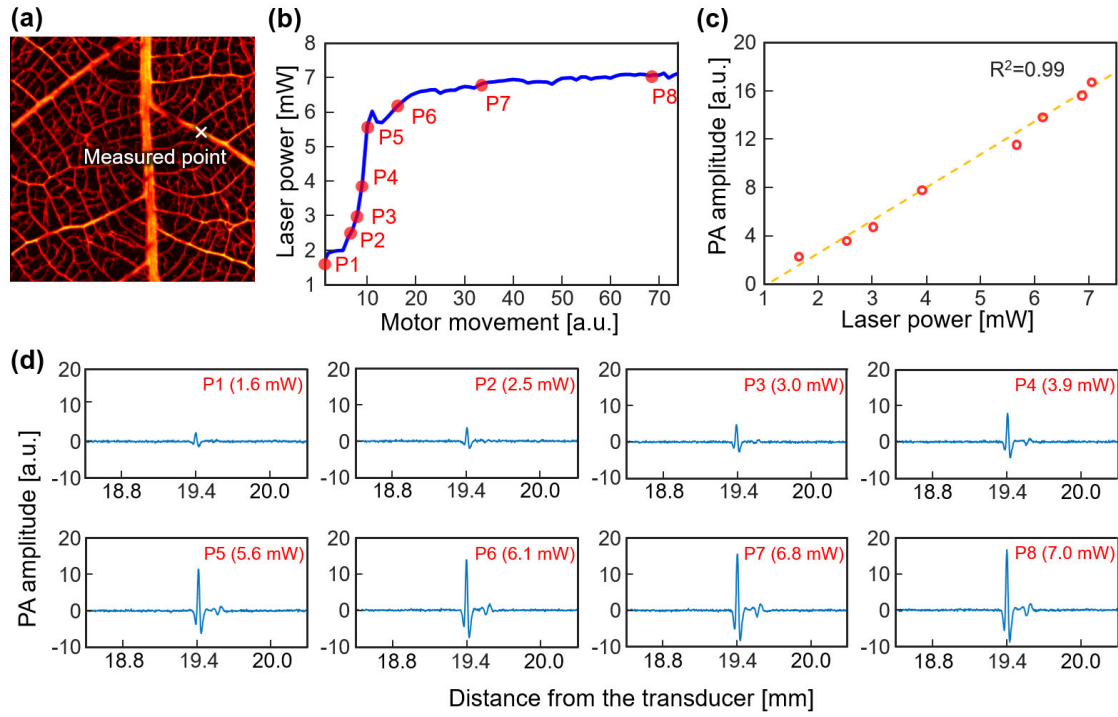


Figure S1. Photoacoustic amplitudes at various laser power. (a) Measured point on the PA image of a leaf-skeleton phantom. Depth-wise A-line signals were recorded with various laser power. (b) Laser power during the automated laser-power coupling process. (c) Proportional correlation between the delivered laser power and the measured PA amplitude. (d) PA signal at each measured point. PA, photoacoustic; P1–P8, measured points.

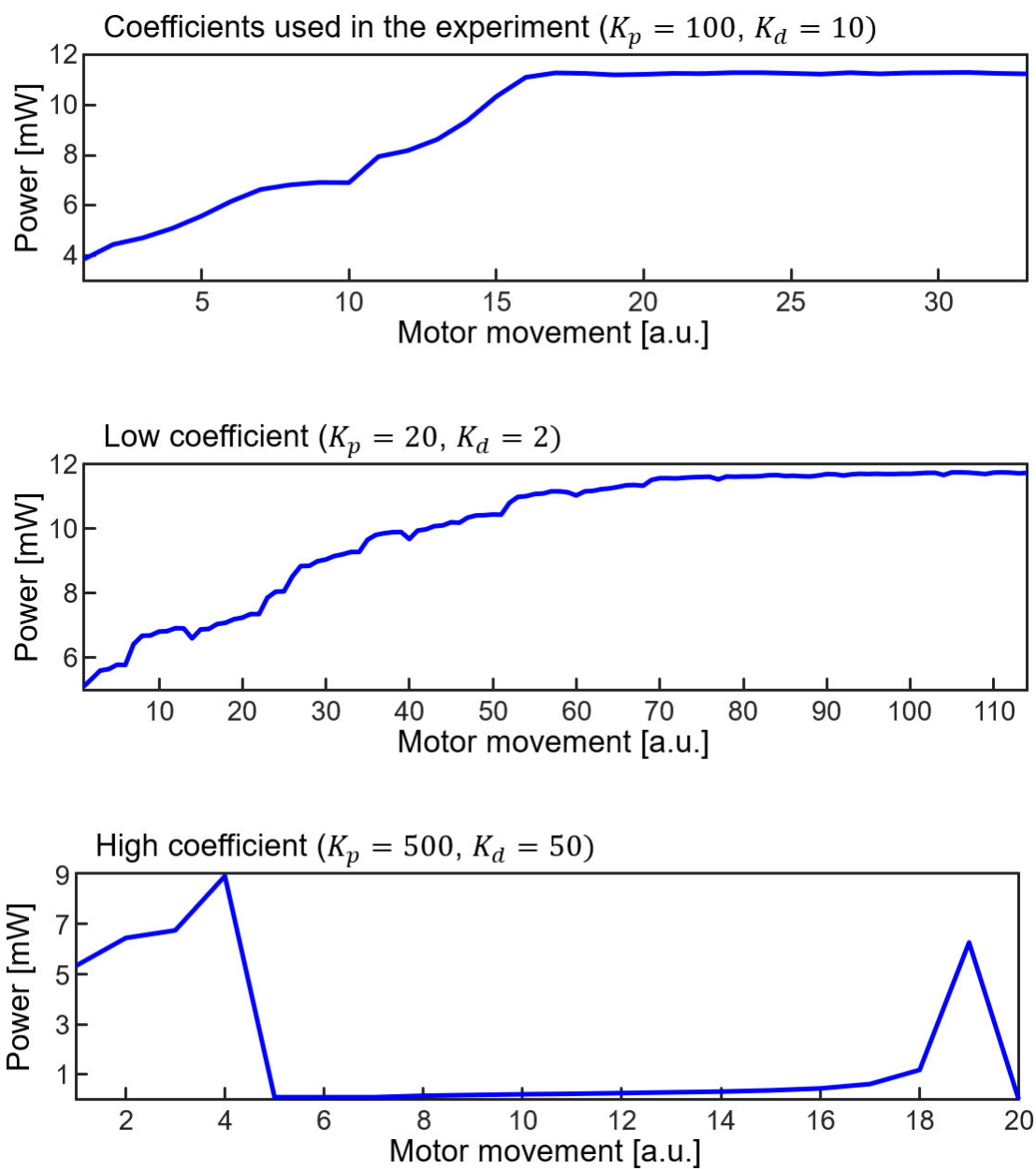


Figure S2. Laser power measurement during the automated laser-fiber coupling process with various sets of control coefficients.

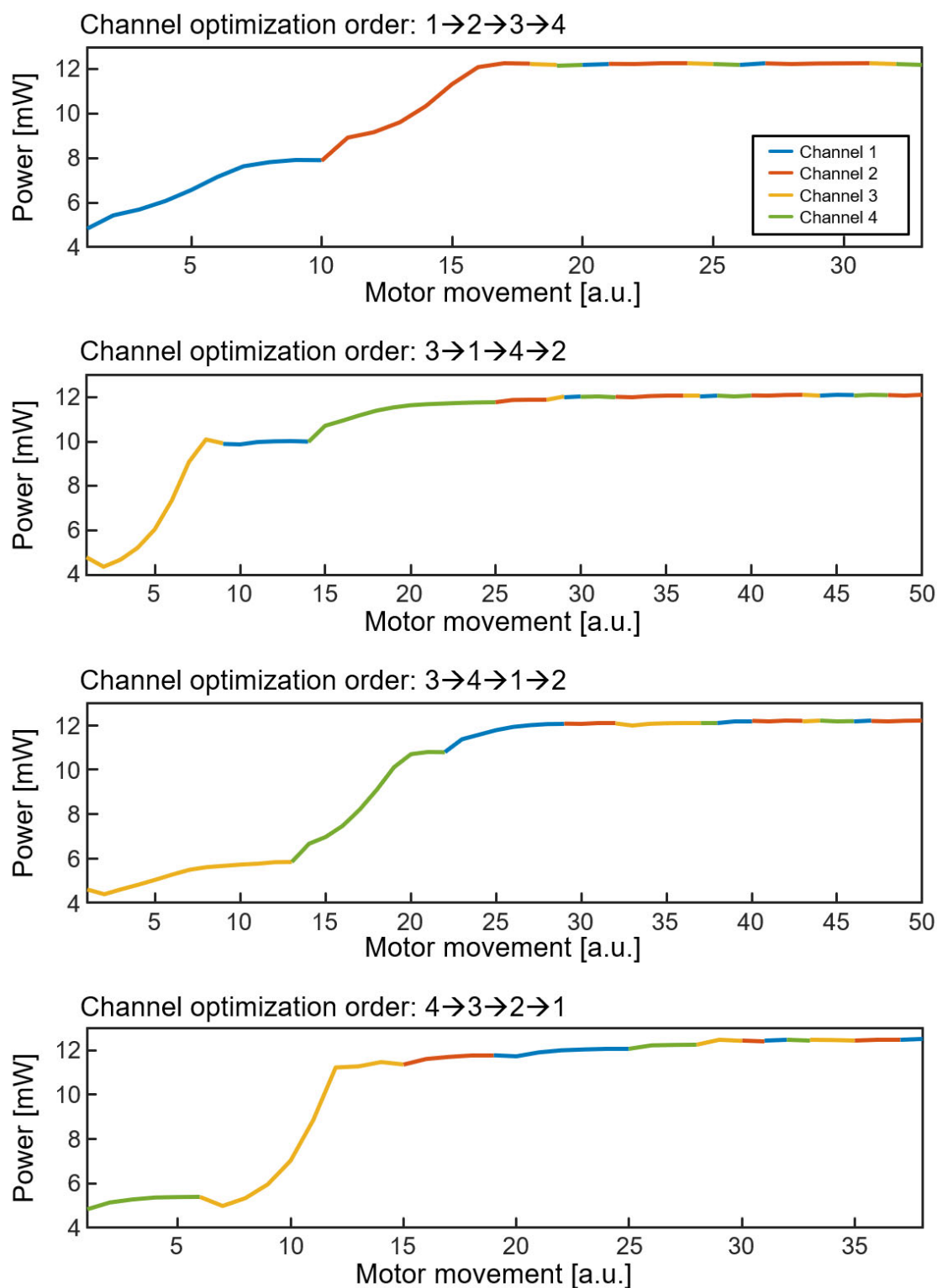


Figure S3. Laser power measurement during the automated laser-fiber coupling process with various channel optimization order.