

Supplementary Materials for

**Angstrom-scale Active Width Control of Nano Slits
for Variable Plasmonic Cavity**

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Table S1. Fitting equations and residual standard deviations in Figures 2(a), 5(a), 5(c), 6(a), 6(c) and 7(a)

Item	Fitting equation	Obtained slope, α	Residual standard deviation
Figure 2(a)	$y = \alpha \cdot x + 3$	33.38974	0.00481
Figure 5(a), $h_{\text{Sub}} = 50 \text{ } \mu\text{m}$	$y = \alpha \cdot x + 3$	7.09515	2.18695E-4
Figure 5(a), $h_{\text{Sub}} = 100 \text{ } \mu\text{m}$	$y = \alpha \cdot x + 3$	13.59455	6.73019E-4
Figure 5(a), $h_{\text{Sub}} = 150 \text{ } \mu\text{m}$	$y = \alpha \cdot x + 3$	20.19799	0.00177
Figure 5(a), $h_{\text{Sub}} = 200 \text{ } \mu\text{m}$	$y = \alpha \cdot x + 3$	26.80505	0.00267
Figure 5(a), $h_{\text{Sub}} = 250 \text{ } \mu\text{m}$	$y = \alpha \cdot x + 3$	33.38974	0.00481
Figure 5(c)	$y = \alpha \cdot x$	0.1342	0.22931
Figure 6(a), $p = 100 \text{ nm}$	$y = \alpha \cdot x + 3$	7.00607	9.94147E-4
Figure 6(a), $p = 200 \text{ nm}$	$y = \alpha \cdot x + 3$	13.86091	0.002
Figure 6(a), $p = 300 \text{ nm}$	$y = \alpha \cdot x + 3$	20.55871	0.00297
Figure 6(a), $p = 400 \text{ nm}$	$y = \alpha \cdot x + 3$	27.05957	0.0039
Figure 6(a), $p = 500 \text{ nm}$	$y = \alpha \cdot x + 3$	33.38974	0.00481
Figure 6(c)	$y = \alpha \cdot x$	0.06756	0.32494
Figure 7(a), $w_0 = 0.5 \text{ nm}$	$y = \alpha \cdot x + 0.5$	32.69383	0.00471
Figure 7(a), $w_0 = 3 \text{ nm}$	$y = \alpha \cdot x + 3$	33.38974	0.00481