## Supplementary Information for <u>Layer-resolving ability and model</u> analysis of LIBS for multilayer samples with a four-layer structure under different focusing conditions (Part 2 of 3)

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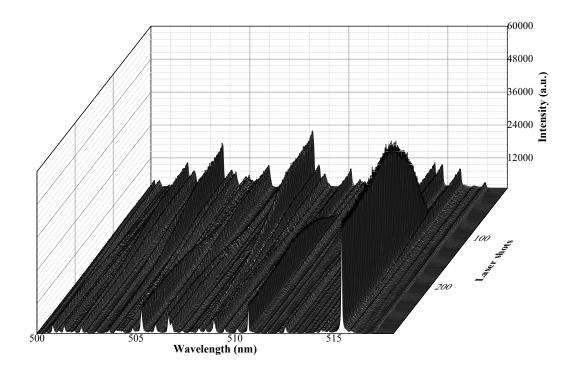


Figure. S6. Typical spectra of sample S2 at  $\Delta L$  = 9 cm.

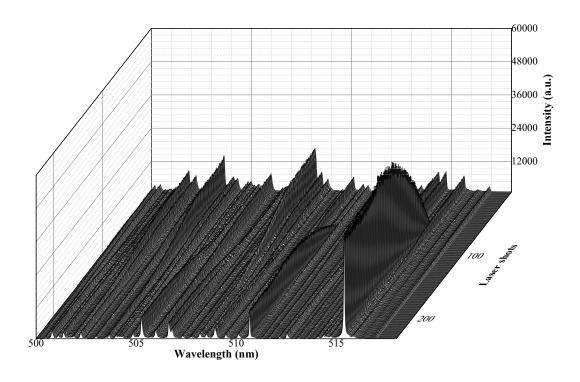


Figure. S7. Typical spectra of sample S2 at  $\Delta L$  = 8 cm.

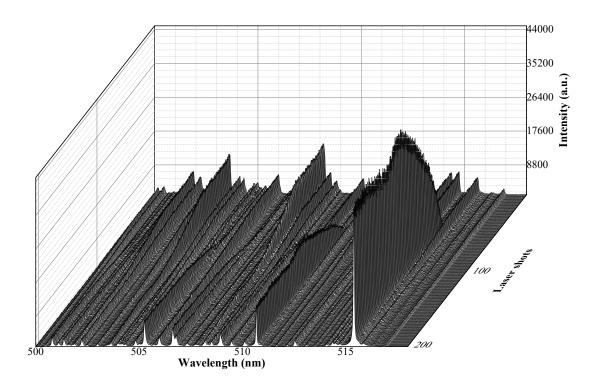


Figure. S8. Typical spectra of sample S2 at  $\Delta L$  = 7 cm.

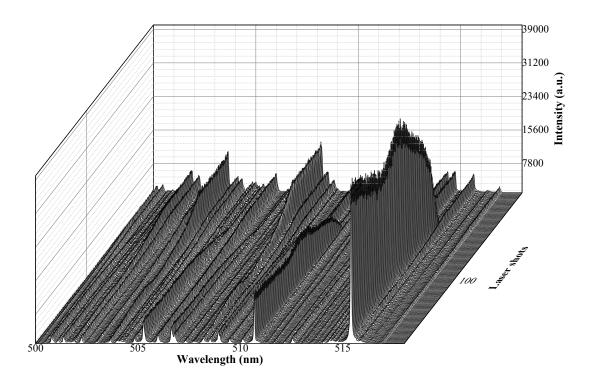


Figure. S9. Typical spectra of sample S2 at  $\Delta L$  = 6 cm.

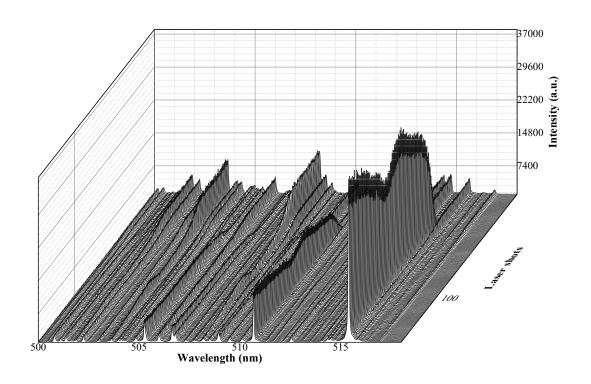


Figure. S10. Typical spectra of sample S2 at  $\Delta L$  = 5 cm.