Title: Supplementary Movie 1:

Description: Real-time NIR-II imaging of vessels using IR783@TDIII.

Title: Supplementary Movie 2:

Description: Real-time high-magnification (2.5×) NIR-II imaging was performed in mice with shaved

heads.

Title: Supplementary Movie 3:

Description: Real-time high-resolution imaging and detection of congenital lymphedema