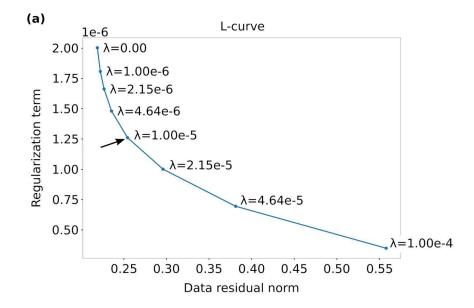
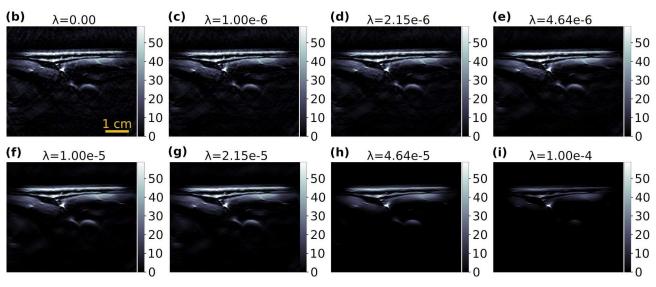


Supplementary Figure 1. Further examples of optoacoustic images from scale-equivariant and standard model-based reconstruction for in vivo sinograms with high (a, b), low (c, d), and median (e, f) L^2 norms.





Supplementary Figure 2. Example L-curve analysis used to tune the regularization value λ . (a) L-curve showing the regularization terms in function of the data residual norm, for eight different λ values. The arrow indicates the point located at the elbow of the curve, obtained with the regularization value λ =1.00e-5. (b-i) Reconstructed images with all eight tentative λ values. (f) Image reconstructed with regularization value λ =1.00e-5, showing an optimal trade-off between data fidelity (image contrast) and regularization (absence of noise).