



Figure S3. PEGASOS passive immersion procedure enables soft tissue organs clearing and imaging. Samples were harvested from adult mice (60 days age) of *Tie2-Cre;Ai14* or *CAG-EGFP* and processed following the passive immersion procedure. (a). Intact stomach of a *Tie2-Cre;Ai14* mouse was imaged before (a) and after clearing (a'). (b). The cleared stomach was imaged with a confocal microscope. Boxed area is enlarged in (b') to show the vascular organization. (c). A segment of intestine was cleared to complete transparency (c') and then imaged with a confocal microscope (d). Boxed area is enlarged in (d') to display the vascular network. (e). An intact lung from a *CAG-EGFP* mouse was cleared (e') and imaged (f). Boxed region is enlarged to display the branchial organization (f').