



Supplementary Figure S1: Ultrastructural characteristics of tracheal blood vessels in Ang-2-deficient mice. Microvessels in untreated (**A**) and 11 min histamine-exposed tracheal vasculature (**B**) with thickened endothelium (arrowhead) and a pronounced layer of basement-membrane (arrow) (insert in **B**: Higher power view of thickened basement membrane [arrow]). In contrast, tracheal microvessels in untreated (**C**) and histamine-exposed wild type mice (**D**) have a flattened layer of endothelium (arrowhead) with very thin basement membrane (arrow). Scale bars: 2 μm . Scale bar insert: 1 μm .