



### Supplementary Figure S1: Specificity of the anti-Pcdh15-CD2 antibody

(a) Confocal images of whole-mount preparations of cochlear sensory epithelia from P5 wild-type, KO Pcdh15  $\Delta$ 'CD2 and *Pcdh15*<sup>av3J/av3J</sup> mice (see Methods and Supporting Information, Fig 3) stained for Pcdh15-CD2 (green) and actin (red). Pcdh15-CD2 labelling is evident in the stereocilia and kinocilia (arrowheads) of the wild-type mouse but not of KO Pcdh15 $\Delta$ 'CD2 or *Pcdh15*<sup>av3J/av3J</sup> mice.

Scale bar: 2  $\mu$ m

(b) Western blot showing the specificity of the anti-Pcdh15-CD2 antibody (Flag-Pcdh15-CD1 cyto, Flag-Pcdh15-CD2, Flag-Pcdh15-CD3 cyto and Flag-Cadherin23-cyto denote the flag-tagged cytoplasmic domains of Pcdh15-CD1, Pcdh15-CD2, Pcdh15-CD3, and cadherin-23, respectively).