



**Supplementary Figure S6: Morphological analysis of hair bundles in a KO *Pcdh15* $\Delta$ 'CD2 mouse**

Scanning electron micrograph showing the morphology of hair bundles in a KO *Pcdh15* $\Delta$ 'CD2 mouse on P30. Some OHC hair bundles show planar polarity defects. In OHCs no tip-links are visible, and short and middle row stereocilia have regressed. In IHCs the middle row stereocilia have lost their distal prolate shape indicating tip-link disruption. The short row of stereocilia has completely regressed.

Scale bar: 1  $\mu$ m