

**Additional file 2.**

*Mecp2*<sup>-/-</sup> and *Mecp2*<sup>wt</sup> littermate retinas are not different with respect to the time of the layers formation, thickness of nuclear and plexiform layers, and other morphological features at postnatal ages P1, P7, P13, P30, and P53.

ONL, outer nuclear layer; INL, inner nuclear layer; GCL, ganglion cell layer; IPL, inner plexiform layer; OPL, outer plexiform layer. Single confocal sections. Scale bar: 50  $\mu$ m

