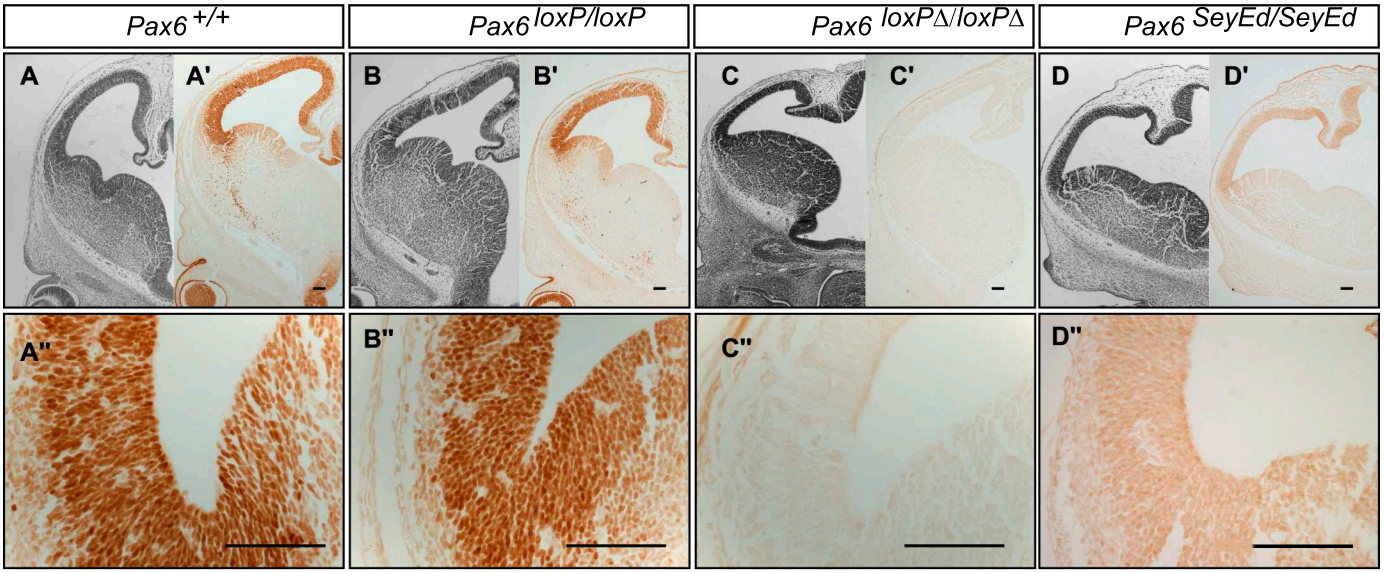

Supplementary Fig. 1. *Pax6* allele comparison at E12.5. (A-D) Morphology of the telencephalon of (A) wild-type, (B) $Pax6^{loxP/loxP}$, (C) $Pax6^{loxP\Delta/loxP\Delta}$ and (D) $Pax6^{SeyEd/SeyEd}$ mice compared using haematoxylin and eosin stained sections. There were no obvious structural differences between wild-type mice and mice carrying two copies of the floxed *Pax6* allele. Mice carrying two copies of the $Pax6^{loxP\Delta}$ allele shared the same phenotype as mice carrying two copies of the commonly studied $Pax6^{SeyEd}$ allele. (A',A",B',B") Pax6 expression, determined by immunohistochemistry, was indistinguishable between wild-type and $Pax6^{loxP/loxP}$ mice. (C',C") There was no detectable Pax6 protein in $Pax6^{loxP\Delta/loxP\Delta}$ mice. (D',D") Some residual Pax6 protein was detected in $Pax6^{SeyEd/SeyEd}$ mice. Scale bars: 50μm.