Figure C: NSCL-2 is expressed in GnRH-1 neurons between E14.5 and E18.5 during embryonic development. Combined NSCL2-lacZ and GnRH-immunostaining of NSCL-2+/− and NSCL-2−/− mutants at E14.5 (a-e) and E16.5 (f-j). Sagittal cryosections reveal a strong NSCL-2 expression within the vomeronasal organ, the olfactory epithelium and septal areas of the hypothalamus between E14.5 and E16.5. Brown arrows indicate GnRH-1 positive and blue arrows indicate NSCL-2/lacZ positive cells. (e, j) higher magnifications of septal brain areas shown in a and f, respectively. Abbrevations: nc: nasal cavity, s: septal area, VNO: Vomeronasal Organ.