

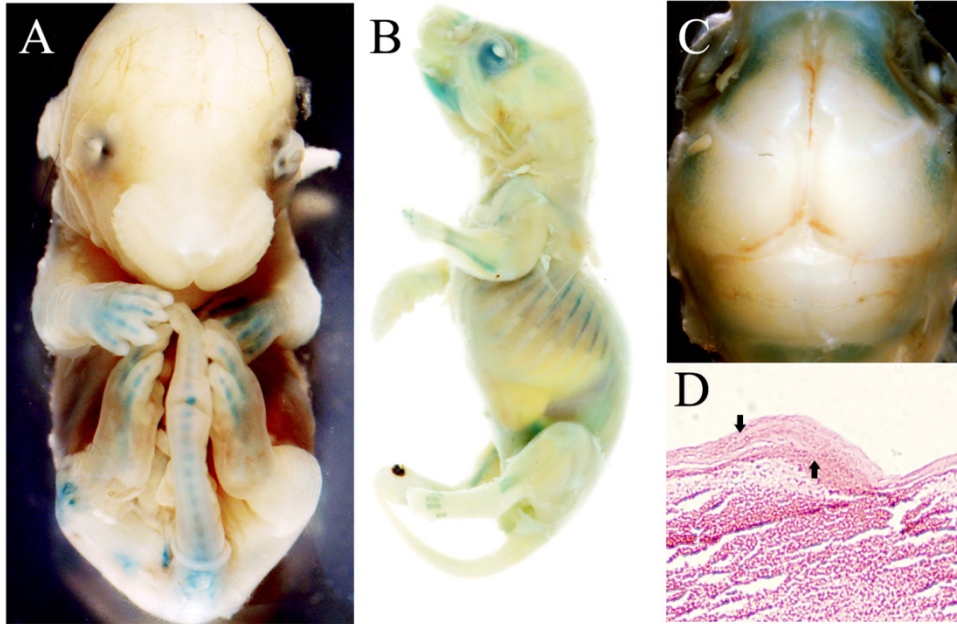
Deformed Skull Morphology Is Caused by The Combined Effects of The Maldevelopment of Calvarias,
Cranial Base and Brain in FGFR2-P253R Mice Mimicking Human Apert Syndrome

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Supplemental Figure 1. The measurement for cranial base of 3-day-old Col2a1-253 mice. Mutant mice showed shortened sphenoccipital synchondroses and basioccipital on 3D reconstructed images (A, B; $p < 0.05$). The basisphenoid bone showed normal morphologies compared with WT mice (C). (Student's t-test, $*P < 0.05$).

Supplemental Figure 2. X-gal staining of Col2a1-Rosa26-LacZ mice. Whole mount X-gal staining at (A) E16.5; (B) d4 mice. (C) The dorsal view of skull at d4 mice, indicating no positive signal on sutures. (D) Section showed no LacZ expression in coronal suture (black arrows indicate osteogenic fronts).

Supplemental Figure 1



Supplemental Figure 2

