

Description of Additional supplementary files

Supplementary Data 1: GO enrichment analysis of differentially expressed genes at P0.5. GO enrichment results for differentially expressed genes identified in Wfdc2- deficient mice and amiloride-treated mice compared with Wfdc2+/+ at P0.5.

Supplementary Data 2: GO enrichment analysis of differentially expressed genes at P4. GO enrichment results for differentially expressed genes identified in Wfdc2- deficient mice and amiloride-treated mice compared with Wfdc2+/+ at P4.

Supplementary Video 1: Respiratory phenotype and morphology of Wfdc2KO/KO mice at P0.5. The genotypes of the mice are as follows: left, Wfdc2+/+; middle, Wfdc2+/KO; right, Wfdc2KO/KO.

Supplementary Video 2: Respiratory phenotype and morphology of Wfdc2KI/KI mice at P0.5. Genotypes of mice are as follows: #1, 3, 4, 5, 6, 8, Wfdc2+/KI; #2, Wfdc2+/+; #7, 9, 10, Wfdc2KI/KI.

Supplementary Video 3: Respiratory phenotype and morphology of amiloride-treated Wfdc2KO/KO mice at P7. The genotypes of the mice are as follows: #1, 3, amiloride-treated Wfdc2KO/KO; #3, 5, Wfdc2+/KO.

Supplementary Video 4: Respiratory phenotype of amiloride-treated Wfdc2KO/KO mice at P35. The genotypes of the mice are as follows: bigger mouse, Wfdc2+/+; smaller mouse, Wfdc2KO/KO.