

## Supplementary Table 2

Fertility parameters of male wild-type and *Slc9b1*-KO mice.

|                                      | wild-type                            | <i>Slc9b1</i> -KO                    |
|--------------------------------------|--------------------------------------|--------------------------------------|
| ratio testis/body weight (mg/g)      | 3.73 ± 0.5 (n = 12)                  | 3.65 ± 0.5 (n = 12)                  |
| ratio epididymis/body weight (mg/g)  | 0.74 ± 0.1 (n = 12)                  | 0.83 ± 0.3 (n = 12)                  |
| sperm count (per ml)                 | 1.6 ± 0.6 × 10 <sup>7</sup> (n = 12) | 1.5 ± 0.6 × 10 <sup>7</sup> (n = 12) |
| mating with offspring                | 21/21 (100%)                         | 2/21 (9.5%)                          |
| two-cell stage oocytes after IVF (%) | 46 ± 7 (n = 5), 398 oocytes          | 2 ± 1 (n = 5), 443 oocytes           |