

## ***Supplementary Information***

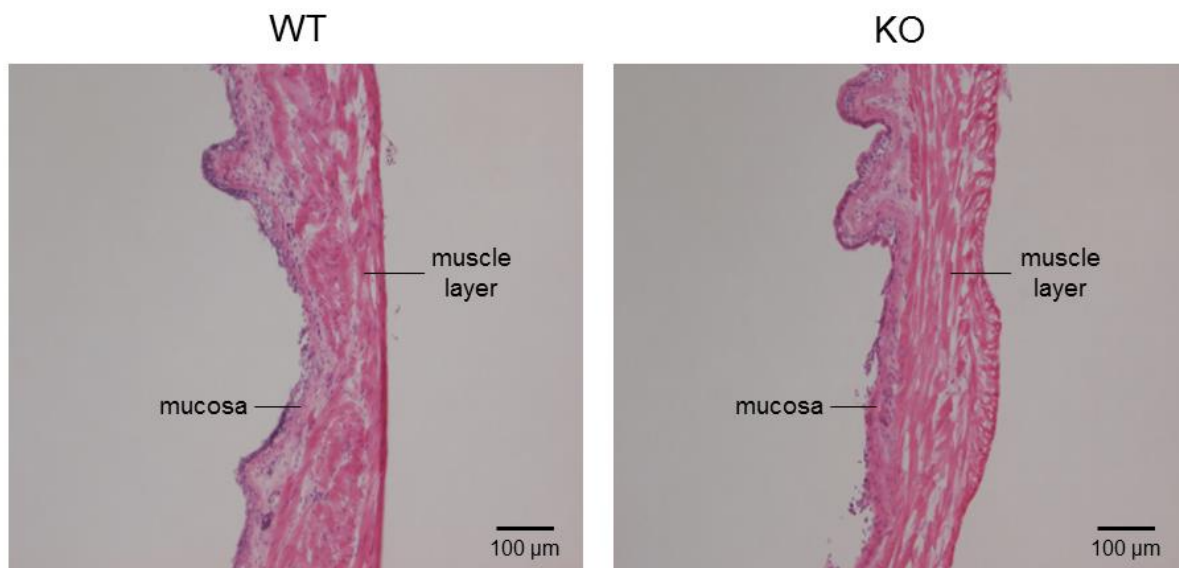
### **P2Y<sub>6</sub>-deficiency increases micturition frequency and attenuates sustained contractility of the urinary bladder in mice**

Satoru Kira<sup>1</sup>, Mitsuharu Yoshiyama<sup>1</sup>, Sachiko Tsuchiya<sup>1</sup>, Eiji Shigetomi<sup>2,3</sup>,  
Tatsuya Miyamoto<sup>1</sup>, Hiroshi Nakagomi<sup>1</sup>, Keisuke Shibata<sup>2,3</sup>, Tsutomu Mochizuki<sup>1</sup>,  
Masayuki Takeda<sup>1</sup> & Schuichi Koizumi<sup>2,3</sup>

<sup>1</sup>Department of Urology, University of Yamanashi Graduate School of Medical Science, Yamanashi 409-3898, Japan

<sup>2</sup>Department of Neuropharmacology, University of Yamanashi Graduate School of Medical Science, Yamanashi 409-3898, Japan

<sup>3</sup>Japan Science and Technology Agency, CREST, Tokyo 102-0076, Japan



**Figure 1S. Microscopic findings of bladders stained with haematoxylin and eosin (H&E), of a WT mouse and a P2Y<sub>6</sub>-KO mouse**

**Table 1S. The primer sequences for RT-PCR**

Probe	Sequence
P2Y <sub>1</sub>	
forward	CTGGGACTCGGAAAAACAAA
reverse	AGATCAGCACCAAAGGGATG
P2Y <sub>2</sub>	
forward	CTGTCACCACCCACACAAAG
reverse	ACACACACACACACCCATCC
P2Y <sub>4</sub>	
forward	TCCTTTTCCTCACCTGCATC
reverse	AGGCAGCCAGCTACTACCAA
P2Y <sub>6</sub>	
Forward	AGGCTGACAGGCAGTTATGG
Reverse	TATACCGGGGTTAGCAGCAG
P2Y <sub>12</sub>	
forward	GGCTTTGGGAACTTATGCAA
reverse	GTGTTGACACCAGGCACATC
P2Y <sub>14</sub>	
forward	GAAGAATTCCACCTCCGTCA
reverse	GCACAAAGCAGACGACAAAA
P2X <sub>1</sub>	
forward	TGTACGGGGAGAAGAACCTG
reverse	TCCCAAACACCTTGAAGAGG
GAPDH	
forward	CACAATTTCCATCCCAGACC
reverse	GTGGGTGCAGCGAACTTTAT