



Fig. S1. Induction of urothelial cells from caudal hindgut. (A) Expression analyses of Uroplakin IIIb in the cells by qRT-PCR on day 16 (mean \pm SD for six independent experiments, *** p <0.001). (B) Western blot analysis of Uroplakin IIIb in miPSCs, miPSC-derived urothelial cells, mouse urothelial cells.

Table S1. Primary antibodies for western blots and immunostaining

OCT4	Mouse	1 : 100	11263-1-AP, proteintech 653703, biolegend
NANOG	Mouse	1 : 100	14295-1-AP, proteintech 674210, biolegend
CDX2	Rabbit	1 : 1,000	ab76541, Abcam
SOX17	Mouse	1 : 1,000	24903-1-AP, proteintech
FOXA2	Mouse	1 : 100	22474-1-AP, proteintech
HOXD13	Rabbit	1 : 1,000	ab19866, Abcam
Uroplakin IB	Mouse	1 : 20,000	ab183503, Abcam
Uroplakin II	Mouse	1 : 100	21149-1-AP, proteintech
Uroplakin III	Mouse	1 : 1,000	ab150409, Abcam
Uroplakin IIIB	Mouse	1 : 1,000	ab237778, Abcam
Cytokeratin 5	Mouse	1 : 2,000/1 : 100	28506-1-AP, proteintech
Cytokeratin 7	Mouse	1 : 1,000/1 : 100	17513-1-AP, proteintech
Cytokeratin 13	Mouse	1 : 10,000/1 : 100	10164-2-AP, proteintech
Cytokeratin 20	Mouse	1 : 10,000/1 : 100	17329-1-AP, proteintech
ZO-1	Mouse	1 : 2,000	21773-1-AP, proteintech
E-cadherin	Mouse	1 : 10,000/1 : 100	20874-1-AP, proteintech
β -actin	Mouse	1 : 1,000	3700T, cell signaling
GAPDH	Mouse	1 : 1,000	ab8245, Abcam