

**DNA damage and expression of DNA methylation modulators in urine-derived
cells of patients with hypertension and diabetes**

Supplementary information

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SUPPLEMENTARY TABLES

Supplementary Table 1. Detection percent of the cell markers and epigenetic modifiers.

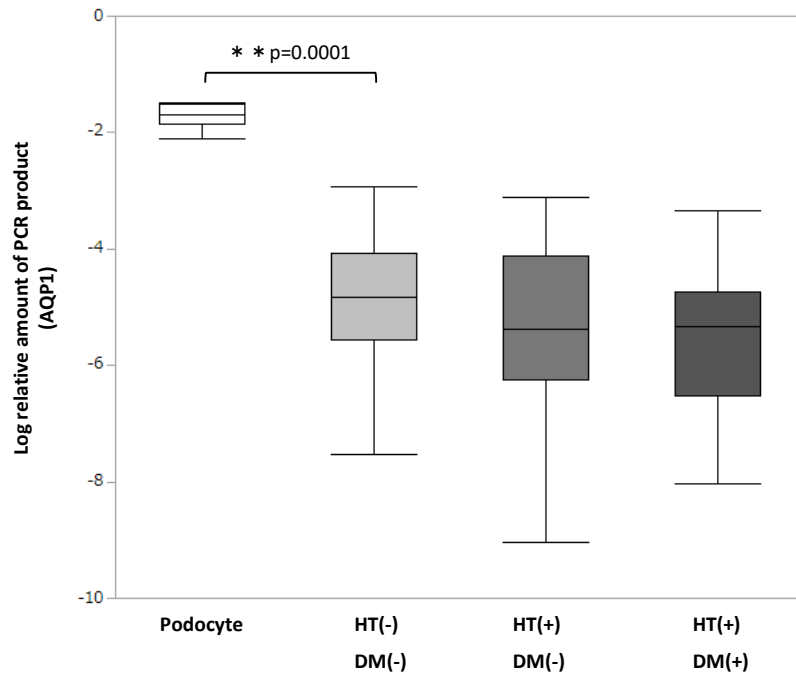
	Total	Group A HT(-) DM(-)	Group B HT(+) DM(-)	Group C HT(+) DM(+)	p value A vs B	p value B vs C	p value A vs C
N (%)	75 (100)	19 (25)	41(55)	15 (20)			
Nephrin	37 (49)	17 (89)	15 (37)	5 (33)	0.0001	0.8220	0.0007
AQP1	50 (67)	17 (89)	22 (54)	11 (73)	0.0068	0.1851	0.2203
AQP2	49 (65)	17 (89)	22 (54)	10 (67)	0.0068	0.3837	0.1025
KRT20	55 (73)	17 (89)	27 (66)	11 (73)	0.0543	0.5956	0.2203
KAT5	43 (57)	19 (100)	14 (34)	10 (67)	<0.0001	0.0294	0.0064
DNMT1	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a
DNMT3A	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a
DNMT3B	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a
TET1	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a
TET2	41 (55)	17 (89)	17 (41)	7 (47)	0.0005	0.7275	0.0065
TET3	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a
SGLT2	75 (100)	19 (100)	41 (100)	15 (100)	n/a	n/a	n/a

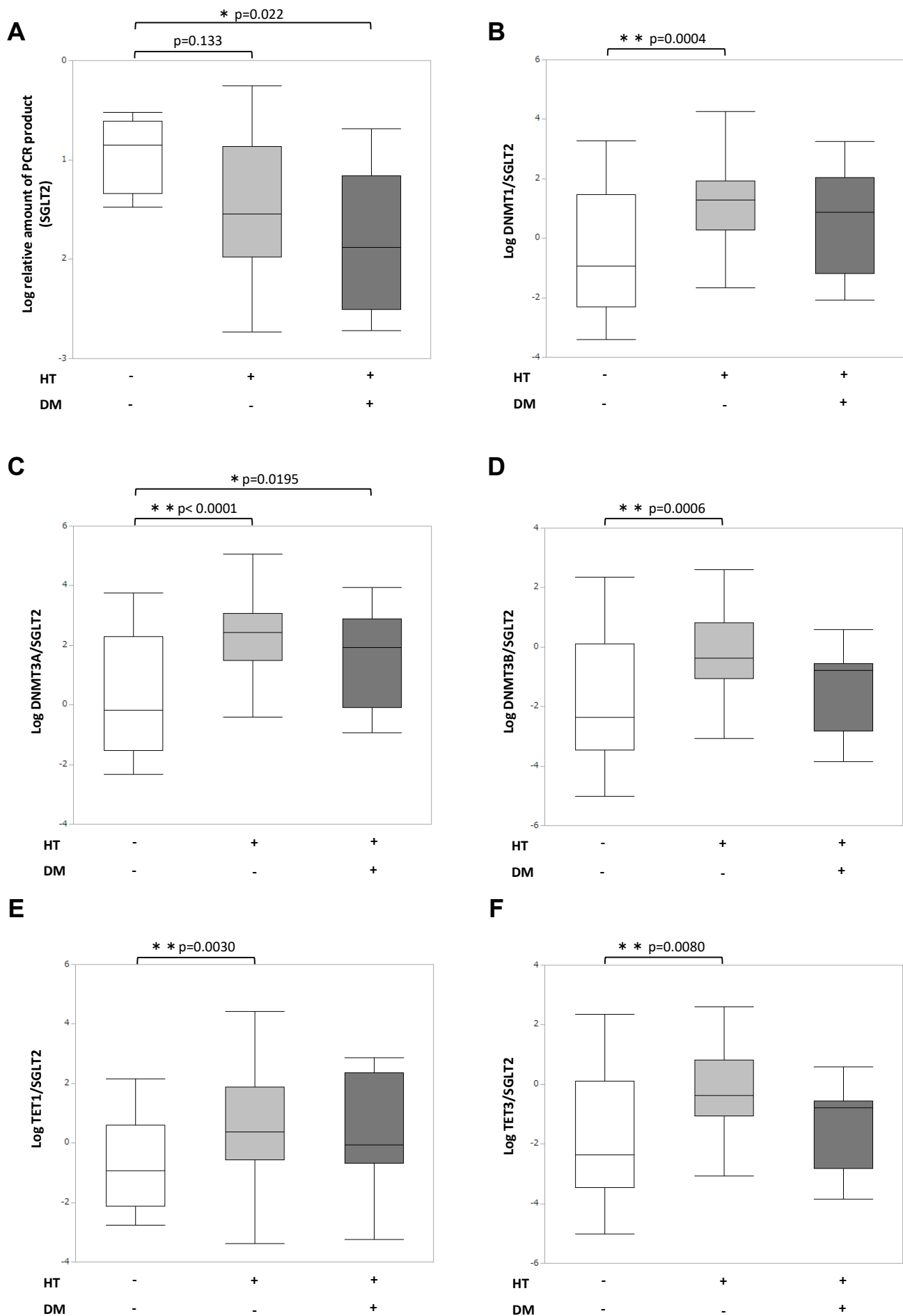
Supplementary Table 2. Sequence of Real-time PCR primers

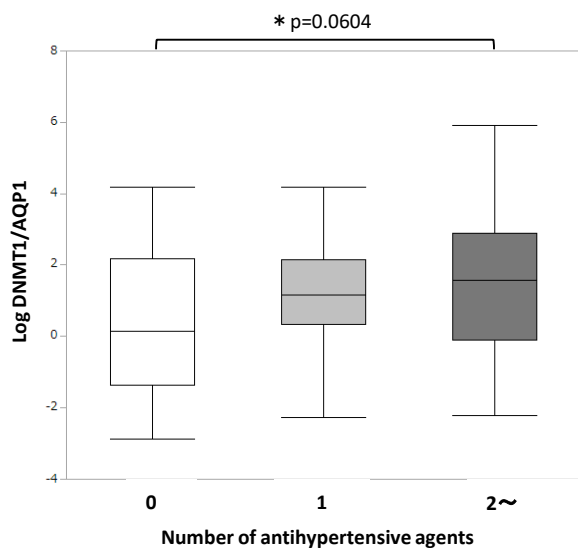
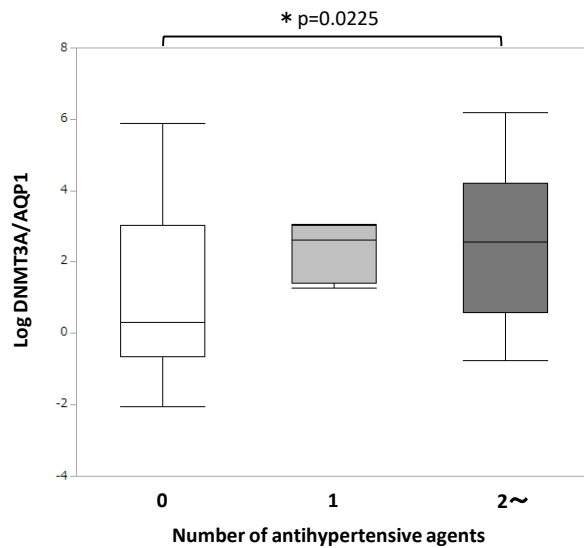
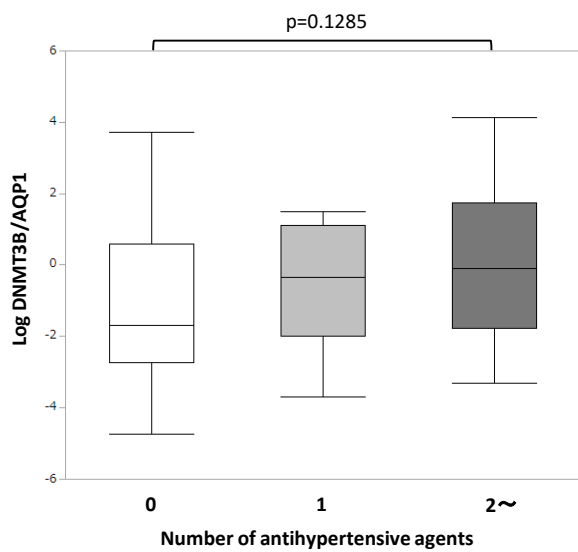
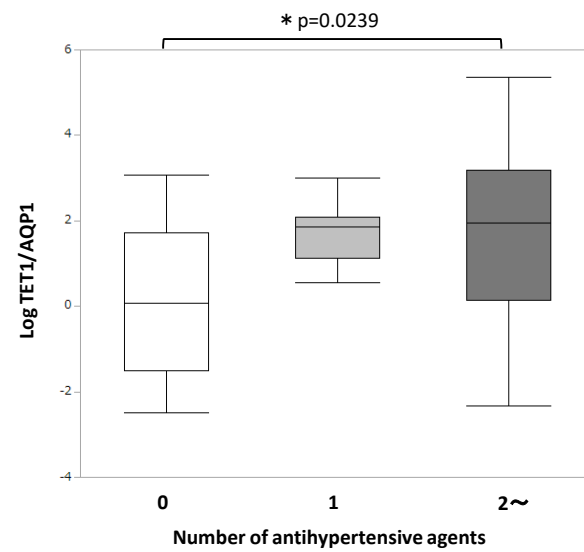
Name	F/R	Sequence
GAPDH	F	TGATGACATCAAGAAGGTGG
	R	TTTCTTACTCCTTGGAGGCC
nephrin	F	TGGCGATTCCCTGCCTCCGTT
	R	TTCTGCTGGGAGCCCTCGTT
AQP1	F	CTGGGCATCGAGATCATCGG
	R	ATCCCACAGCCAGTGTAGTCA
AQP2	F	GCTCCGCTCCATAGCCTTC
	R	GGGTGCCAATACCCAAGCC
KRT20	F	GGACGACACCCAGCGTTTAT
	R	CGCTCCCATAGTTCACCGTG
KAT5	F	GGGGAGATAATCGAGGGCTG
	R	TCCAGACGTTTGTGTAAGTCAAT
DNMT1	F	CAAACCCCTTCCAAACCTC
	R	TAATCCTGGGGCTAGGTGAA
DNMT3A	F	CCTGAAGCCTCAAGAGCAGT
	R	TGGTCTCCTTCTGTTCTTTGC
DNMT3B	F	GGAAATTAGAATCAAGGAAATACGA
	R	AATTTGTCTTGAGGCGCTTG
TET1	F	TCTGTTGTTGTGCCTCTGGA
	R	GCCTTTAAACTTTGGGCTTC
TET2	F	ACGCTTGGAAGCAGGAGAT
	R	AAGGCTGCCCTCTAGTTGAA
TET3	F	CGCCTCTATCCGGAACCT
	R	TCCCCGTGTAGATGACCTTC
SGLT2	F	ACACGGTACAGACCTTCGTCA
	R	GCTGCTCCCAGGTATTTGTC

Supplementary Table 3. Gene-specific primer pairs used for quantitative long-distance PCR

Name	F/R	Sequence
GAPDH	F	GCCCTCAACGACCACTTTGT
	R	GCCAGACCCTGCACTTTTAAAG
nephrin	F	CTGCCATCAGCAACTCTCCA
	R	CTCTGCCTCTGTTGTGCTGA
AQP1	F	TCAATGCAGGGCTGGGTTAG
	R	ACCCCGTTGGACAGGTTTTT
SGLT2	F	GGACTGTGCTAGCTGAAGGG
	R	AACGCAGTTGGTCTTAGGCA





A**B****C****D****E**