

SUPPLEMENT
TABLES AND FIGURES

**DNase I induces other endonucleases in kidney tubular
epithelial cells by its DNA-degrading activity**

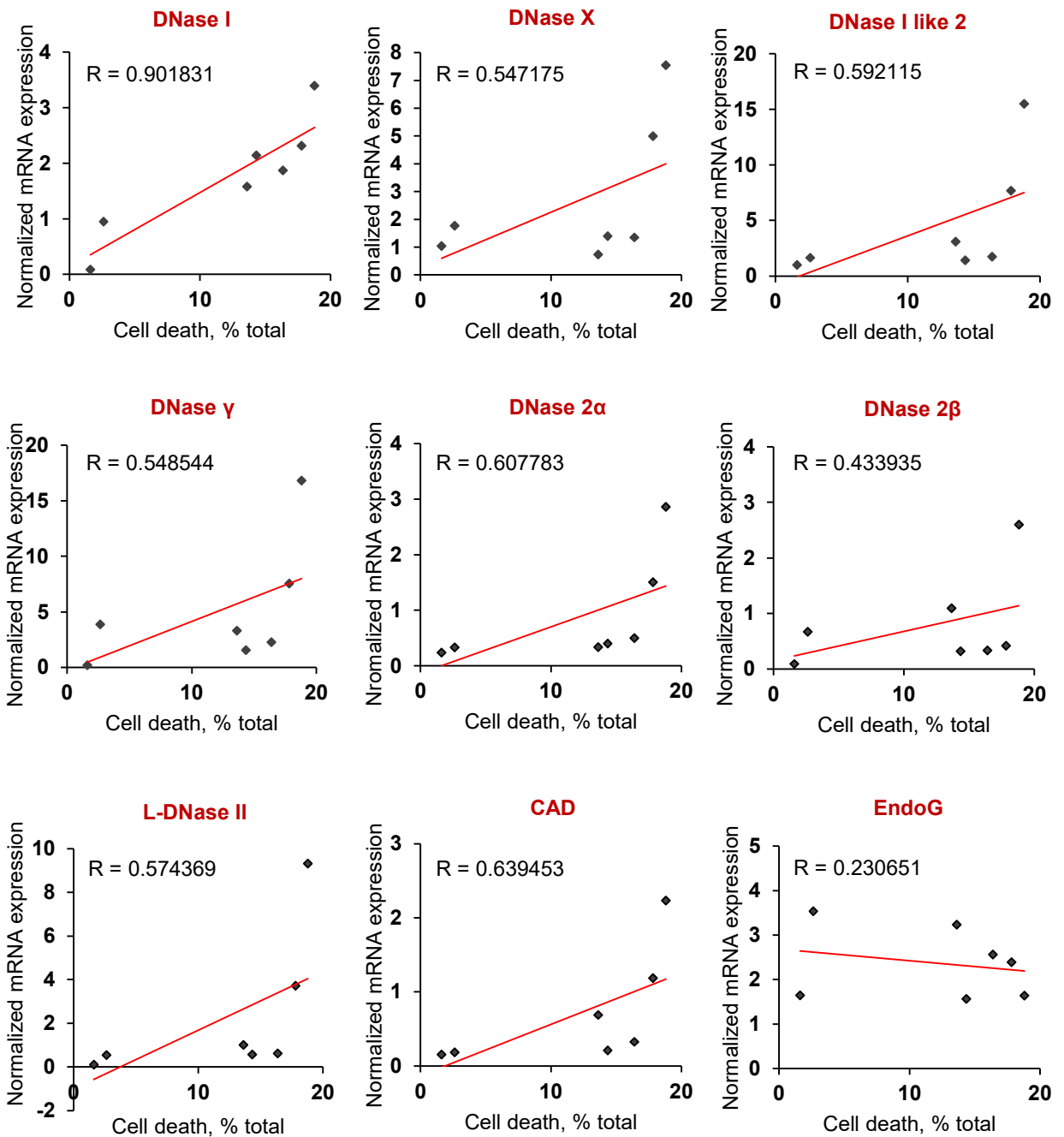
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TABLE S1. Primers used for PCR and real-time RT-PCR

Primers for real time RT-PCR				
Target	Sense (5'-3')	Antisense (5'-3')	Product size, bp	Annealing temp., °C
DNase I	TGCTGTTGGGAAGCTACTGGATGA	TCTCGGCTGAAGGTGTCATTCCA	198	65
DNase X	GCATACATAGCAATGCGTGGCCTT	TCAGTGTCACTGTGTTGGCATTGA	109	64
DNase I like 2	AGACCTAAGTGCAGTGCCTTGCT	ATACTGGTCACGTCCAAGTGGCTT	100	65
DNase Y	TCGGCCAGCTTTATAAGTCAGCGA	TGGGTACAGGGACATCTTTGCACT	85	65
DNase 2 α	AGTTTCCAGGGATTGGCAAGCAAC	ATTTGGCAAAGCTCTGGAAGGTGG	195	64
DNase 2 β	AAGTGGCCTCTGCATCACTCTCAA	TGTGGATGAGTCCCAGCGAAAGA	125	65
L-DNase 2	TGCCCGAAGACATTGAGGATGAGT	CACGTTTGGTCCATTACGCGAGTT	90	64
CAD	AGGACCCATCCTGTTTGAAGGTT	TGTA CTGCACGGACTTGAGCTTGT	198	64
EndoG	GCATGCCTGGAACAACCTTGAGAA	TGCCTCCAGGATCAACACCTTGAA	193	64
18s	GGATCCATTGGAGGGCAAGT	ACGAGCTTTTAACTGCAGCAA	91	64
EndoG (mouse)	GAATGCCTGGAACAACCTTGAGAG	TGCTCCAGGATCAGCACCTTGAA	193	63
β -actin	TGAGAGGGAAATCGTGCGTGACAT	ACCGCTCATTGCCGATAGTGATGA	152	65
Primers for PCR				
Target	Sense (5'-3')	Antisense (5'-3')	Product size, bp	Annealing temp., °C
DNase X	TTGGCTGAGGCAAGCGTCGG	GCCAGTCTCATCAGGCCG	2949	59
DNase I like 2	GCTTTTGCCCTGATCCTCAGTTAATGG	TGAACATTAAGATCAAGCTCTGCAGCC	2473	59
DNase Y	AAAGTGGCCAGAGGGATCCAGTAATT	CCTGGGACTATGCCCTTTTGAGAATCCA	2903	60
DNase 2 α	AGACCCAGGTCCCTGAAGTCTTTAG	TTCCCCTTGAGACAGTGTCTGTGTTG	2586	56.5
DNase 2 β	GCATCAGATGACATGAGACTCAGCCTC	TCTTCAGCAACACCCTCAGCTATTTT	2997	58
L-DNase 2	CAGCTAAGCAAGAGGTAAGGTCCT	TTCTGGGATCCAAACTCAGCTTCTC	3064	57.5
CAD	TGGGCTTGAATGGGCGCTGG	TAGACGTGTACCGCCGCCA	2510	59
EndoG	TACGGGCCGTTTGACCCTGG	TGGGAACATGTATGGTGGGGACC	3039	56
GAPDH	CTCTCTGCTCCTCCCTGTTCTAGAGACA	ATGGCATGGACTGTGGTCTAGAAAGCAT	3008	61
Rpl13a	AAGATGGCGGAGGGGCAGGTTT	AGAGTCCATTGGTCTTGAGGACCTCTG	2646	58
Rplp0	CCCCTTTTCGGAAGTAGCTCACTCAC	CAAATTAAGCAGGCTGACTTGGTGTGAG	2741	58



Supplement Figure S1. Correlation of endonucleases' expression with cell death. Correlation between mRNA expression of each endonuclease measured by real time RT-PCR and cell death measured by PI assay at varying time points. All endonuclease except EndoG show positive correlation.