

Supplementary Table S2. Gene lists for base-excision repair (BER), DNA damage response, detection of DNA damage, and senescence-associated secretory phenotype (SASP); related to [Figs 3 and 4](#).

BER	DNA damage response, detection of DNA damage	SASP
APEX1	PARP1	CCL2
APEX2	CFAP410	CSF1
FEN1	PCNA	CSF2RB
HMGB1	POLD1	CTSB
HMGB1P1	POLD2	ICAM1
HMGB1P40	RFC1	IGF2R
LIG1	RFC2	IGFBP6
LIG3	RFC3	IGFBP5
MBD4	RFC4	IL15
MPG	RFC5	IL6ST
MUTYH	RPA1	IL13
NEIL1	RPA2	MMP9
NEIL2	RPA3	PIGF
NEIL3	RPS3	PTGES
NTHL1	RPS27A	PLAU
OGG1	SOX4	SERPINE1
PARP1	UBA52	RPS6KA5
PARP2	UBB	TIMP1
PARP3	UBE2B	TIMP2
PARP4	USP1	TNFRSF1A
PCNA	CUL4B	TNFRSF1B
POLB	CUL4A	
POLD1	RBX1	
POLD2	POLD3	
POLD3	TREX1	
POLD4	DTL	
POLE	RAD18	
POLE2	WDR48	
POLE3	POLD4	
POLE4	MRPS35	
POLL	MRPS26	
SMUG1	MRPS11	
TDG	MRPS9	
UNG		
XRCC1		