

Shen et al. Supplemental Table 1. Primers used in real-time RT-PCR

	Forward primer	Reverse primer
β-Actin	GAA ATC GTG CGT GAC ATC AAA G	TGT AGT TTC ATG GAT GCC ACA G
p16	CGA ACT CTT TCG GTC GTA CCC	CGA ATC TGC ACC GTA GTT GAG C
ARF	GTT CTT GGT CAC TGT GAG GAT TCA G	CCA TCA TCA TCA CCT GGT CCA G
p18	AAA GAT GGA ACT GGT TTT GCT GT	TGT GCT TCA TAA GGA ACT CCA C
p21	GAC AGT GAG CAG TTG CG	CTC AGA CAC CAG AGT GC
p27	GGG CAG ATA CGA GTG GCA G	CCT GAG ACC CAA TTA AAG GCA C
c-kit	CGC CTG CCG AAA TGT ATG ACG	GGT TCT CTG GGT TGG GGT TGC
Notch-1	GCA GCC ACA GAA CTT ACC ACT CCA G	TAA ATG CCT CTG GAA TGT GGG TGA T
Hoxb4	CCT GGA TGC GCA AAG TTC A	CGT CAG GTA GCG GTT GTA GTG A
ATM	CCA GCT TTT TGA TGC AGA TAC CA	CCC AGC CTA CGT CTA TTT TCC T
Bmi-1	TTG GAG ACC AGC AAG TAT TGT C	CGG GTG AGC TGC ATA AAA ATC T

Shen et al. Supplemental Table 2. MFI of r-H2AX

Subsets	Transplanted cells from IR recipient (CD45.1+)	Transplanted cells from NR recipient (CD45.2+)
CD3+	45.05±6.35**	33.90±5.88
B220+	23.42±4.45**	18.55±4.50
Mac-1+	45.54±5.99	44.86±3.41

**** p<0.01 compared to transplanted cells from NR recipient.**