

S1 Table. siRNA and shRNA sequences

	Sequence
MLL4 siRNA #1	CCAAGAUGGUGGCUUUGAATT
MLL4 siRNA #2	CUACUGAGCCCUUGGUUGATT
shSCR	TTCTCCGAACGTGTCACGT
shMLL4 #1	GCACATGGAGTGCGAAATTAA
shMLL4 #2	CTACTGAGCCCTTGGTTGA
shPIK3IP1	GCATTCCTCGTCAGCAACATG
shSOX2	GGACATGATCAGCATGTATCT
shp53	GAAATTTGCGTGTGGAGTA

MLL4, mixed-lineage leukemia protein 4.