

Supplementary figure legends

Supplementary Figure 1. Transcriptomic and Proteomic analysis of siTERT and HKR3 overexpression

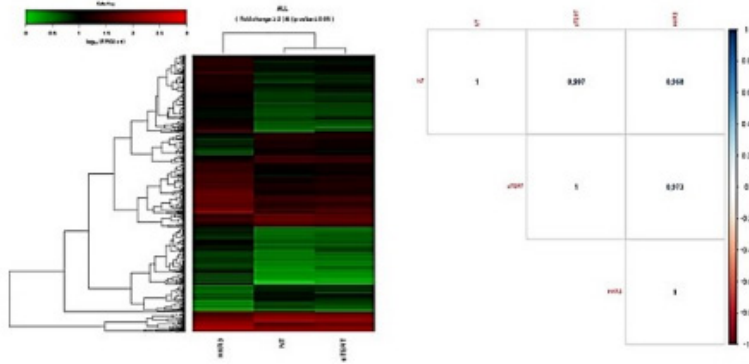
(A) In RNAseq analysis, gene changes significantly different pattern from siTERT and HKR3 overexpression groups can be compared with control. (B) In LC/MS analysis, protein changes were identified in siTERT and HKR3 overexpression, significantly. (C) Venn diagram of siTERT and HKR3 overexpression shows the change of various biological processes.

Supplementary Figure 2. Effects of apoptosis by siTERT and HKR3

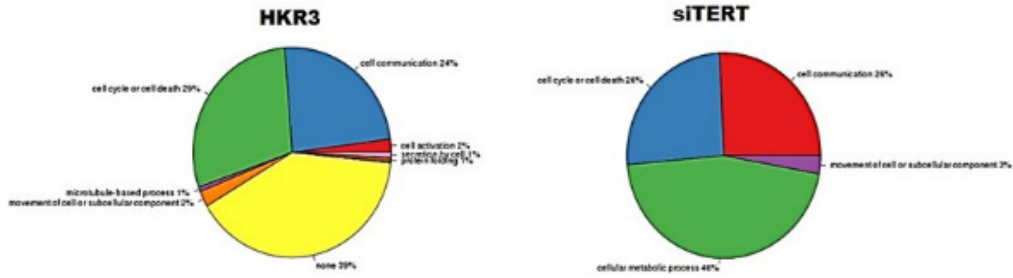
Cell death was increased in siTERT and HKR3 compared to control.

Supplementary Figure 1

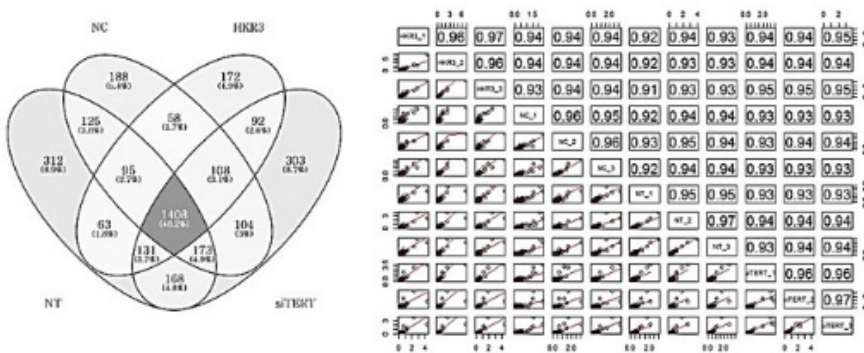
A



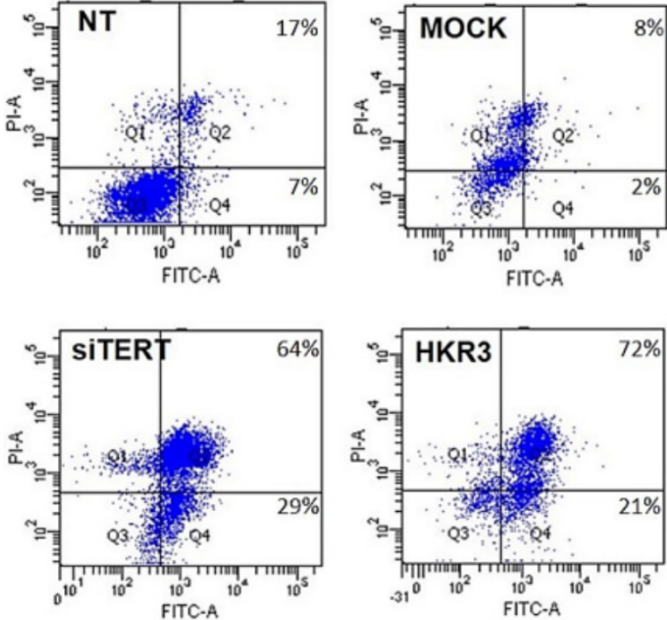
B



C



Supplementary Figure 2



Supplementary Table 1

	Forward	Reverse
Cyclin A1	GCCATTAGTTTACCTGGACCCAGA	CACTGACATGGAAGACAGGAACCT
Cyclin A2	TACCTGGACCCAGAAAACCA	CACTCACTGGCTTTTCATCTTCT
Cyclin B1	ACGAAGGTCTGCGCGTGTT	CCGCTGGCCATGAACTACCT
Cyclin B2	TTCAACCCACCAAAACAACA	CTCAGGTGTGGGAGAAGGAC
Cyclin D1	AGACCTGCGCGCCCTCGGTG	GTAGTAGGACAGGAAGTTGTTC
Cyclin E1	GTCCTGGCTGAATGTATACATGC	CCCTATTTTGTTGAGACAACATGGC
Cyclin E2	GGGAAACATTTTATCTTGACACA	CTGCAAGCACCATCAGTGAC
CDK2	GCTAGCAGACTTTGGACTAGCCAG	AGCTCGGTACCACAGGGTCA
CDK4	CTGGTGTTTGAGCATGTAGACC	AAACTGGCGCATCAGATCCTT
CDKN1A	CCTCATCCCGTGTTCTCCTTT	GTACCACCCAGCGGACAAGT
CDKN1B	CCGGCTAACTCTGAGGACAC	AGAAGAATCGTCGGTTGCAG
CDKN2A	CAACGCACCGAATAGTTACGG	AACTTCGTCCTCCAGAGTCGC
CDKN2B	TGGCCGGAGGTCATGATG	GGGCAGCATCATGCACCG
AURKA	TTCCATGATGCTACCAGAGTC	GGGCATTTGCCAATTCTG
AURKB	TCTCTAAGGATGGCCCAGAA	GTCATGAGGACAAGTGCAG
hTERT	GGAGCAAGTTGCAAAGCATTG	TCCCACGACGTAGTCCATGTT
TP53	TGCAGCTGTGGGTTGATTCC	AAACACGCACCTCAAAGCTGTTC
MDM2	CCCTTAATGCCATTGAACCT	CATACTGGGCAGGGCTTATT
P21	CAGACCAGCATGACAGATTC	TTAGGGCTTCCTCTTGAGAGA