TERT or IgG as indicated. For the western blots, representative images of n=3 independent experiments are shown. Student's t-test was used, and * indicates p< 0.05 and # indicates a non-significant p-value, compared to sh/siControl.

Figure 6: TERT regulates MYC half-life and ubiquitination.

(A) and (B) Western blots showing MYC levels upon TERT or *Terc* knockdown following cycloheximide treatment (CHX) for indicated time points in P493 cells and EμMYC B cells. (C) and (D) Western blots in P493 and EmMYC B cells showing the levels of MYC, TERT and ACTIN upon TERT knockdown, with and without MG132 treatment (10 μM, 2 h). (E) Western blots showing levels of indicated proteins upon vector, TERT WT and TERT DN expression. (F) Coimmunoprecipitation between endogenous MYC and GSK3β in cells infected with shRNA against control (-) or TERT(+) and immunoblotting with indicated antobodies. (G) 293T cells were transfected with HA-MYC, His-ubiquitin along with shControl or shTERT 1. 48h post transfection cells were harvested, immunoprecipitated with Ni-NTA beads, and western blotted with HA. Right panel shows the inputs. (H) In vivo MYC ubiquitination assay in cells transfected with control (-) or TERT (+) shRNAs along with HA-Ub. Immunoprecipitation and immunoblots from lysates or immunoprecipitaed material were performed by using indicated antibodies. For the western blots, representative images of n=3 independent experiments are shown.

Figure 7: Graphical model. TERT levels, which are limiting in reconstituting telomerase activity in normal cells, are upregulated by increased MYC in cancer cells. TERT, in turn, enhances MYC stability and function, thereby regulating its own levels and telomerase activity. This function of TERT does not require Terc, and is independent of its function at telomeres. Enhanced MYC stability and function in high TERT and high MYC cells, which is a consequence of this feed forward mechanism, leads to enhanced oncogenesis due to downstream targets of MYC, which are known to regulate aspects of cell cycle, proliferation and metabolism.

Supplementary Figure 1: (A) Western blot of MYC and TERT in B-cells from EμMYC mice (n=4) compared to wildtype mice (n=4). (B) Viability of EμMYC B-cells following TERT knockdown using 2 independent shRNAs, which could be partially rescued by the overexpression of human TERT. (C)

Viability of wildtype and EμMYC B-cells following TERT knockdown. (D) TERT protein levels, as shown by Western blot (top), in primary lymphoma cells from EμMYC mice after silencing *Terc* (sh*Terc*) (bottom). Values denote mean±s.d., n=2. (E) Teloblot showing the length of telomeres in primary lymphoma cells from EμMYC mice after silencing *Terc* (sh*Terc*) or TERT (shTERT). One way ANOVA with Tukey's Multiple Comparison Test was used for (B and C) and students t-test was used for (D) * indicates p<0.05 vs. shControl, ** indicates p<0.01 vs. shControl, ^ indicates non-significant p-value vs. shControl and ## indicates p<0.01 vs. shTERT-A or shTERT-B. For the western blots, representative images of n=3 independent experiments are shown.

Supplementary Figure 2: (A) Teloblot showing of telomere lengths in tumors from EμMYC;TERT+/+ and EμMYC;TERT-/- mice (n=2 for each genotype). (B) Immunofluorescence staining for TRF2 (green) and γH2AX (red) in EμMYC;TERT+/+, and EμMYC;TERT-/- B cells The cell nuclei were counterstained with DAPI (blue). We did not observe any DNA damage foci (γH2AX staining) at telomeric regions. As B cells are small and round, the staining is less distinct. Representative images are shown, and cells isolated from 2 mice of each genotype were analyzed (60x magnification).

Supplementary Figure 3: (A) ChIP-seq binding profiles at selected promoters in P493 cells (B) and EμMYC;TERT+/+ and EμMYC;TERT-/- B cells. (C, D) Validation of selected ChIP seq targets in P493 cells with additional shRNA constructs. These changes could be rescued by the overexpression of TERT WT or TERT DN. (E) Validation of selected ChIP seq targets in B cells isolated from 4-week old, pretumoral EµMYC;TERT+/+ and EµMYC;TERT-/- mice (n=3 for each genotype) using antibodies for MYC and Pol-II. The B-cells from EμMYC;TERT-/- showed lower enrichment of MYC and Pol-II at the promoters of selected MYC-regulated genes. (F) NF-Y ChIP was carried out in P493 cells infected with shControl and shTERT. Graphs show % Input for indicated target promoters. (G) Heatmap showing the validation of the expression of selected Myc-target genes in 12-week-old EµMYC;TERT+/+, EμMYC;TERT+/- and EμMYC;TERT-/- spleen B cells. (H-I) Validation of selected gene expression changes in P493 cells with indicated infections. X axis labels indicate rRNA target genes and rDNA regions respectively. (J) Validation of selected gene expression changes in EµMYC B cells. Values denote mean+s.d., n=3. One way ANOVA with Tukey's Multiple Comparison Test was used for (C, D, H, I and J) and students t-test was used for (E) and (F) * indicates p<0.05 vs. shControl, ** indicates p<0.01 vs. shControl, ^ indicates a non-significant p-value vs. shControl, # indicates p<0.05 vs. shTERT3 (for C, D, H, I) or shTERT-A or shTERT-B (for J), ## indicates p<0.01 vs. shTERT3 (for C, D, H, I) or

shTERT-A or shTERT-B (for J) and @ indicates a non-significant p-value vs. shTERT3 (for C, D, H, I) or shTERT-A or shTERT-B (for J).

Supplementary Figure 4: (A-B) Gene expression analysis in P493 cells with knockdown of TERT and *Terc* under high MYC (cells grown in no tetracycline, no estradiol) and low MYC conditions [cells grown with tetracycline (0.1 μ g/ml) and β-estradiol (1 μ M)]. Values denote mean \pm s.d., n=3. Students t-test was used and * indicates p< 0.05.

Supplementary Figure 5: (A) VA13 cells were transfected with the indicated expression vectors. 48 h post transfection, the samples were harvested and processed for quantitative RT-PCR. The graph shows relative TERT expression. ACTIN was used as the reference gene. (Left panel). VA13 cells were transfected with the indicated expression vectors. 48 h post transfection, the samples were harvested and processed for western blotting of MYC and ACTIN (right panel). (B) MYC was immunoprecipitated from MIHA cells and the eluates were western blotted for indicated proteins. (C) Co-Immunoprecipitation between endogenoeus MYC and TERT in the P493 cells with shControl, shTERT 2 or shTerc. (D) Schematic showing the various domains of MYC. (E) 293T cells were transfected with FLAG-tagged human wild-type or MYC mutants deleted in amino acid residues 1-110, 129-145, 20-48, 24-31, 33-38 and 38-48, or vector control. Bottom Panel shows western blots indicating input proteins and top panel shows western blot analysis of indicated lysates immunoprecipitated with Flag or TERT antibody. Red arterisk indicates no interaction. (F) Left panel: Bacterially expressed GST, pGex2T-MYC (1-108 aa) or pGex3X-MYC (98-439 aa) proteins were incubated with whole cell lysates from Hela with control or TERT overexpression. Following incubation, the mixture was immunoprecipitated with GST antobody and immunoblotted (IB) with TERT. Right Panel: Coomasie Blue staining of Purified MYC proteins (1-108 aa) and (98-439 aa) along with GST expressed from a control vector (GST). (G) 293T cells were transfected with indicated proteins and checked for gene expression. (H) 293T cells were transfected with FLAG-tagged human wild-type, dominant negative or TERT mutants deleted in amino acid residues 1-600, 101-1127, 1-925, 350-925 or Flag vector control. The bottom panel shows western blots indicating input proteins and top panel shows western blot analysis of indicated lysates immunoprecipitated with Flag antibody. For the western blots, representative images of n=3 independent experiments are shown. One way ANOVA with Tukey's Multiple Comparison Test was used, and * indicates p<0.05 vs. Vector, ** indicates p<0.01 vs. Vector, ^ indicates a non-significant p-value vs. Vector.

Supplementary Figure 6: (A) Western blots showing MYC levels following cycloheximide treatment (CHX) for the indicated time points in P493 cells infected with shControl, shTERT 2 and 3. (B) Western blots showing MYC levels upon cycloheximide treatment (CHX) for indicated time points in 293T cells transfected with Flag-MYC T58A and shControl or shTERT1. (C) Gene expression analysis in cells transfected with the indicated plasmids. Target genes are indicated on x-axis. (D) In vivo MYC ubiquitination assay in cells transfected with shTERT and Flag MYC along with HA-Ub. (E) 293T cells were transfected with Flag-MYC Δ 1-110, His-ubiquitin along with shControl or shTERT 1. 48 h post transfection, the cells were harvested, immunoprecipitated with Ni-NTA beads (IP:HIS), and western blotted with Flag. The right panel shows the inputs. One way ANOVA with Tukey's Multiple Comparison Test was used. * indicates p<0.05 vs. shControl, ** indicates p<0.01 vs. shControl, ^ indicates not significant vs. shControl, ## indicates p<0.01 vs. shTERT + vector. For the western blots, representative images of n=3 independent experiments are shown.

Supplementary Figure 7: Vector and TERT overexpressing P493 cells were transfected with siControl or siBrg1 for 48h. A) panel shows relative Brg1 expession. B) panel shows gene expression in the various transfected conditions.

SUPPLEMENTARY TABLES

Supplementary Table 1. shRNA sequences.

Gene	shRNA sequence
shTERT-A	TTCTGTCATCTACAAACTCGAGTTTGTAGATGACAGAA
shTERT-B	ACTATGAGCGGACAAACTCGAGTTTGTCCGCTCATAGT
shTERT 1	CATTTCATCAGCAAGTTTGA
shTERT 2	GAAGAGTGTCTGGAGCAAGTT
shTERT 3 (targets 3' UTR)	TGAGGCCTGAGTGAGTGTTTG

Supplementary Table 2. qPCR primers for gene expression analysis.

Human		
Gene	Forward Primer	Reverse Primer
PKM2	TGCGAGCCTCAAGTCACTCCAC	TCACGGCACAGGAACAACACG
LDHA	GGCCTGTGCCATCAGTATCT	ACCAGCTTGGAGTTTGCAGT
ALDOC	AAATTGGGGTGGAAAACACA	ACCCTTGTCAACCTTGATGC
HK2	TCTATGCCATCCCTGAGGAC	TCTCTGCCTTCCACTCCACT
GAPDH	GGCGATGCTGGCGCTGAGTA	ACAGTTTCCCGGAGGGCCA
c-MYC	ACGGCCGACCAGCTGGAGAT	TCGGGCTGCCGCTGTCTTTG
TERT	CCAAGTTCCTGGACTGGCTGA	TTCCCGATGCTGCCTGAC
CYCLIN D2	AGTGCGTGCAGAAGGACATC	GTTGCAGATGGGACTTCGGA
CYCLIN D1	GTGCTGCGAAGTGGAAACCATC	GACCTCCTTCTGCACACATTTGA
CDK4	GCCTTCCCATCAGCACAGTTC	GTCTACATGCTCAAACACCAGGG
eIF2a	ATGGGACCTTGTTTGCCTGG	CCACGTTGCCAGGACAGTAT
45s rRNA	GAACGGTGGTGTCGTTC	GCGTCTCGTCTCGTCTCACT
5.8s rRNA	ACTCGGCTCGTGCGTC	GCGACGCTCAGACAGG
BRG1	ACCAGATGCACAAGCCCATG	GCTGGAACTGGACTAGAGGC
β-Actin	GCCAACCGCGAGAAGATGA	CCATCACGATGCCAGTGGTA

MOUSE		
Gene	Forward primer	Reverse primer
TERT	GGATTGCCACTGGCTCCG	TGCCTGACCTCCTCTTGTGAC
45s rRNA	CGCCCGCGTGTTGGTCTTCT	CCCAAAACCCCGACGAGCCC
5.8s rRNA	ACTCGGCTCGTGCGTC	GCGACGCTCAGACAGG
18s rRNA	GCCTGCTGCCTTCCTTGG	GATGGTAGTCGCCGTGCC
28s rRNA	AGAGGTAAACGGGTGGGGTC	GGGGTCGGGAGGAACGG
GAPDH	CATCTTCTTGTGCAGTGCCAG	GGCAACAATCTCCACTTTGCC
ENO1	GAGCGAGAAGTCCTGCAACT	CTGCGATGAAAGTGTCCTCA

LDHA	AGACAAACTCAAGGGCGAGA	GCGGTGATAATGACCAGCTT
PKM2	TGACACCTTCCTGGAACACA	TTCAGCATCTCCACAGATCG
EXOSC2	GCTCCTCTCATCCATGAACCT	CAGCTCCATCCGAGAACACA
GART	CGTCATTGCTGGAATTGCT	TTGGGCATCTCTGCTGTCT
CCT7	CCAGTTATCCTGTTGAAAGAGGG	GACCCAGGGTGGTTCTTACA
MCM6	GCTGTTCCTAGACTTCCTGGA	CAACCAGCGTGTTTCTCTCAG
MYBBP1A	GCCGCGAGTTCTTGGACTT	ATCTCCGAATCATTGGGCCTT
β-Actin	CAGCTTCTTTGCAGCTCCTT	CAGCTTCTTTGCAGCTCCTT

Supplementary Table 3. ChIP primers.

Human		
Gene	Forward Primer	Reverse Primer
LDHA	GGAGGGCAGCACCTTACTTA	AGGGGCCTTAAGTGGAACAG
CDK4	GAGCGACCCTTCCATAACCA	GGGCTGGCGTGAGGTAAGT
HK2	GATTGCCTCGCATCTGC	AGCCACGATTCTCTCCACG
PKM2	TTTGGAGGAGTCTGCAAAGG	CACTCCCAAGGACCAAGTGT
TERT	GCGCGAGTTTCAGGCAG	CACCTCGCGGTAGTGGCT
rDNA (H1)	GGCGGTTTGAGTGAGACGAGA	ACGTGCGCTCACCGAGAGCAG
rDNA (H4)	CGACGACCCATTCGAACGTCT	CTCTCCGGAATCGAACCCTGA
ZNF77	GCACCCCTGATTGGAGAAT	TCAGAGACGTTAATCCGAAGC
JMJD2B	CTGAGGCTCCCTTGTCAATC	CGGCTCTGTTCTCATTGGAG
RUVBL2	GAGGAGGAGGGTGGGATAAA	GGCCGATTGCAAAATTCTTA

Mouse		
Gene	Forward Primer	Reverse Primer
BXDC1	GATCCCTTAGCGAATGCACG	GGCTTCCCGGAAGTAATCG

GART	ACCTCCATCAAGGCCGTGC	GTGACTGGCGAAAAGCCCAC
HSPD1	CGCCACACGTGATGAAACC	TCGGCTCACTTGTCCAGGC
MYBBP1A	AGCCCACGTGTTTGGCTC	GGGCTCTTCATCTCCGCC

Supplementary Table 4. Statistical analysis.

Statistics for Figure 1D				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	7			
F	8.334			
R squared	0.685			
ANOVA Table	SS	df	MS	
Treatment (between columns)	2.12	6	0.3533	
Residual (within columns)	0.975	23	0.04239	
Total	3.095	29		
Dunnett's Multiple Comparison Test	Mean Diff.	q	P value	95% CI of diff
Control vs shTERT-A	0.4878	3.351	P < 0.05	0.08453 to 0.8911
Control vs shTERT-B	0.6385	4.385	P < 0.01	0.2352 to 1.042
Control vs shTERC	0.05953	0.4089	P > 0.05	-0.3437 to 0.4628
Control vs TERT	-0.02415	0.1659	P > 0.05	-0.4274 to 0.3791
Control vs TERT; shTERT-A	0.05812	0.4208	P > 0.05	-0.3245 to 0.4407
Control vs TERT; shTERT-B	-0.1416	1.025	P > 0.05	-0.5242 to 0.2410

Statistics for Fig S1B					
ANOVA summary					
F	127.1				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically significant	Yes				
R square	0.9769				
Brown-Forsythe test					
F (DFn, DFd)	1.724 (5, 15)				
P value	0.1898				
P value summary	ns				
Significantly different standard deviations? (P < 0.05	No				
Bartlett's test					
Bartlett's statistic (corrected)					
P value					
P value summary					
Significantly different standard deviations? (P < 0.05)				
ANOVA table	SS	DF	MS	F (DFn, DFc	P value
Treatment (between columns)	1.743	5		F (5, 15) = 1	
Residual (within columns)	0.04113		0.002742		
Total	1.784	20			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	21				
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	
shControl vs. shTERT-A	0.5431	0.4228 to 0.6634	Yes	****	
shControl vs. shTERT-B	0.7579	0.6376 to 0.8782	Yes	***	
shControl vs. shControl +TERT	-0.009285	-0.1392 to 0.1207	No	ns	
shControl vs. shTERT-A +TERT	0.2129	0.08299 to 0.3429	Yes	***	
shControl vs. shTERT-B +TERT	0.3765	0.2466 to 0.5065	Yes	***	
shTERT-A vs. shTERT-B	0.2148	0.09445 to 0.3351	Yes	***	
shTERT-A vs. shControl +TERT		-0.6823 to -0.4225	Yes	****	
shTERT-A vs. shTERT-A +TERT	-0.3302	-0.4601 to -0.2002	Yes	****	
shTERT-A vs. shTERT-B +TERT	-0.1666	-0.2965 to -0.03663	Yes	**	
shTERT-B vs. shControl +TERT	-0.7672	-0.8971 to -0.6372	Yes	****	
shTERT-B vs. shTERT-A +TERT		-0.6749 to -0.4150	Yes	****	
shTERT-B vs. shTERT-B +TERT	-0.3813	-0.5113 to -0.2514	Yes	****	
shControl +TERT vs. shTERT-A +TERT		0.08331 to 0.3611	Yes	**	
shControl +TERT vs. shTERT-B +TERT		0.2469 to 0.5247	Yes	****	
shTERT-A +TERT vs. shTERT-B +TERT		0.02470 to 0.3025	Yes	*	
	2 222	2 2 2 2 2			
Symbol	Meaning				
ns	P > 0.05				
*	P ≤ 0.05				
**	P ≤ 0.01				
***	P ≤ 0.001				
****	P ≤ 0.0001				
	1 3 0.0001	l .		<u> </u>	

Statistics for Figure S1C					1
Statistics for Figure 310					
ANOVA summary					
F	159.3				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically significant					
R square	0.9779				
Brown-Forsythe test	0.007 (5.40)				
F (DFn, DFd) P value	9.867 (5, 18) 0.0001				
P value summary	***				+
Significantly different standard deviations? (P < 0.05)	Vos				
eignineantly different standard deviations: (1 < 0.05)	103				
Bartlett's test					
Bartlett's statistic (corrected)	+infinity				
P value	< 0.0001				
P value summary	***				
Significantly different standard deviations? (P < 0.05)	Yes				
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Treatment (between columns)	2.044			F (5, 18) = 159.3	P < 0.0001
Residual (within columns)	0.04618		0.002566		
Total	2.09	23			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	24				_
Number of families	1				
Number of ramiles Number of comparisons per family	15				+
Alpha	0.05				
Alpha	0.03				
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	
Wildtype- shControl vs. Wildtype- shTERT-A	0.09126	-0.02257 to 0.2051	No	ns	
Wildtype- shControl vs. Wildtype- shTERT-B		0.006154 to 0.2338	Yes	*	
Wildtype- shControl vs. EuMYC- shControl	0	-0.1138 to 0.1138	No	ns	
Wildtype- shControl vs. EuMYC- shTERT-A	0.5431	0.4293 to 0.6569	Yes	****	
Wildtype- shControl vs. EuMYC- shTERT-B		0.6441 to 0.8717	Yes	****	
Wildtype- shTERT-A vs. Wildtype- shTERT-B		-0.08510 to 0.1425	No	ns	
Wildtype- shTERT-A vs. EuMYC- shControl		-0.2051 to 0.02257	No	ns	
Wildtype- shTERT-A vs. EuMYC- shTERT-A		0.3380 to 0.5657	Yes	****	
Wildtype- shTERT-A vs. EuMYC- shTERT-B		0.5528 to 0.7804	Yes	****	
Wildtype- shTERT-B vs. EuMYC- shControl		-0.2338 to -0.006154	Yes	****	
Wildtype- shTERT-B vs. EuMYC- shTERT-A		0.3093 to 0.5370	Yes	***	
Wildtype- shTERT-B vs. EuMYC- shTERT-B EuMYC- shControl vs. EuMYC- shTERT-A		0.5241 to 0.7517 0.4293 to 0.6569	Yes	****	
EumyC- shControl vs. EumyC- shTERT-A EumyC- shControl vs. EumyC- shTERT-B		0.6441 to 0.8717	Yes Yes	****	-
EuMYC- shTERT-A vs. EuMYC- shTERT-B		0.1009 to 0.3286	Yes	***	
LUMIT OF SITTER VIS. EURIT OF SITTER VIS.	0.2140	0.1000 to 0.0200	100		-
Symbol	Meaning				
ns	P > 0.05				
*	P ≤ 0.05				<u> </u>
**	P ≤ 0.01				
***	P ≤ 0.001				
****	P ≤ 0.0001				
<u> </u>					

				•	
Statistics for Figure 2D					
	1	<u> </u>			
WBC					
One-way analysis of variance					
P value	0.0087				
P value summary					
Are means signif. different? (P < 0.05)	Yes 3				
Number of groups F	5.206				
R squared	0.1668	1			
i squareu	0.1008				
Bartlett's test for equal variances					
Bartlett's statistic (corrected)	26.79				
P value	P<0.0001				
P value summary	***				
Do the variances differ signif. (P < 0.05)	Yes				
-					
ANOVA Table	SS	df		MS	
Treatment (between columns)	1779		2	889.6	
Residual (within columns)	8887		52	170.9	
Total	10670		54		
		ļ			
Dunnett's Multiple Comparison Test	Mean Diff.	q		P value	95% CI of diff
EuMYC; TERT+/+ vs EuMYC; TERT+/-	11.31	-		P < 0.05	0.02878 to 22.59
EuMYC; TERT+/+ vs EuMYC; TERT-/-	16.08	 	3.226	P < 0.01	4.726 to 27.44
		1			
Turner		<u> </u>			
Tumor	1	 			
One-way analysis of variance	0.0003	1			
P value	0.0093				
P value summary Are means signif. different? (P < 0.05)	Yes				
Number of groups	3				
F	5.182	-			
R squared	0.1839				
n squared	0.1033				
Bartlett's test for equal variances					
Bartlett's statistic (corrected)	203.7				
P value	P<0.0001				
P value summary	***				
Do the variances differ signif. (P < 0.05)	Yes				
ANOVA Table	SS	df		MS	
Treatment (between columns)	62.98	-	2	31.49	
Residual (within columns)	279.6	_	46	6.077	
Total	342.5		48		
Dunnett's Multiple Comparison Test	Mean Diff.	q			95% CI of diff 0 2220 to 4 144
EuMYC; TERT+/+ vs EuMYC; TERT+/-		-		P < 0.05 P < 0.01	OILLEO TO HITTI
EuMYC; TERT+/+ vs EuMYC; TERT-/-	2.541		2.96	P < 0.01	0.5802 to 4.503
		 			
Spleen (% body weight)		1			
One-way analysis of variance					
P value	0.0067				
P value summary	**				
Are means signif. different? (P < 0.05)	Yes				
Number of groups	3				
F	5.598	_			
R squared	0.1957				
Bartlett's test for equal variances		ļ			
Bartlett's statistic (corrected)	22.74	ļ			
P value	P<0.0001	 			
P value summary	***	 			
Do the variances differ signif. (P < 0.05)	Yes	<u> </u>			
ANOVA Table	cc	4.		NAC .	
ANOVA Table	SS	df		MS 2.216	
Treatment (between columns)	4.432	1	2	2.216	
Residual (within columns) Total	18.21 22.64	_	46 48	0.3959	
iotal	22.04		48		
Dunnett's Multiple Comparison Test	Mean Diff.	a		P value	95% CI of diff
EuMYC; TERT+/+ vs EuMYC; TERT+/-	0.4721	q	2.15/	P > 0.05	-0.02841 to 0.9727
EuMYC; TERT+/+ vs EuMYC; TERT-/-	0.7196	_		P < 0.01	0.2191 to 1.220
	. 0.7130	•	JU+		

Statistics for Figure S3C					
Cyclin D1					
ANOVA summary	259.4				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically sign	Yes				
R square	0.9774				
5 5 11 1 1					
Brown-Forsythe test F (DFn, DFd)	3.373 (5, 30))			
P value	0.0155)			
P value summary	*				
Significantly different standard deviations? (P	Yes				
Bartlett's test					
Bartlett's statistic (corrected)	13.48				
P value	0.0193				
P value summary Significantly different standard deviations? (P	Voo				
Significantly different standard deviations? (P	165				
ANOVA table	SS	DF	MS	F (DFn, DFc	P value
Treatment (between columns)	0.508			F(5, 30) = 2	
Residual (within columns)	0.01175		0.0003917	,,-,,	
Total	0.5198	35			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	36				
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary	
shControl vs. shTERT 1		0.2363 to 0.		****	
shControl vs. shTERT 2		0.1762 to 0.		****	
shControl vs. shTERT 3		0.1273 to 0.			
shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN		-0.04436 to -0.06601 to		ns ns	
shTERT 1 vs. shTERT 2		-0.00001 to		***	
shTERT 1 vs. shTERT 3		-0.1437 to -		****	
shTERT 1 vs. shTERT 3 + TERT WT		-0.3154 to -		****	
shTERT 1 vs. shTERT 3 + TERT DN	-0.3023	-0.3371 to -	Yes	****	
shTERT 2 vs. shTERT 3	-0.04885	-0.08361 to	Yes	**	
shTERT 2 vs. shTERT 3 + TERT WT		-0.2553 to -		****	
shTERT 2 vs. shTERT 3 + TERT DN		-0.2769 to -		****	
shTERT 3 vs. shTERT 3 + TERT WT		-0.2065 to -	Yes		
shTERT 3 vs. shTERT 3 + TERT DN		0.00044			
		-0.2281 to -	Yes	****	
shTERT 3 + TERT WT vs. shTERT 3 + TERT		-0.2281 to - -0.05640 to	Yes		
			Yes	****	
Nucleolin			Yes	****	
			Yes	****	
Nucleolin ANOVA summary F	-0.02164 1375		Yes	****	
Nucleolin ANOVA summary F P value	-0.02164 1375 < 0.0001		Yes	****	
Nucleolin ANOVA summary F P value P value summary	-0.02164 -1375 < 0.0001 ****		Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign	-0.02164 1375 < 0.0001 **** Yes		Yes	****	
Nucleolin ANOVA summary F P value P value summary	-0.02164 -1375 < 0.0001 ****		Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square	-0.02164 1375 < 0.0001 **** Yes		Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign	1375 < 0.0001 **** Yes 0.9957	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test	-0.02164 1375 < 0.0001 **** Yes	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 **	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 **	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 **	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P-1)	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P-Bartlett's test Bartlett's statistic (corrected)	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P deviations) Bartlett's test Bartlett's statistic (corrected) P value	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (Postarties test Bartlett's test Bartlett's statistic (corrected) P value P value summary	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 *	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P deviations) Bartlett's test Bartlett's statistic (corrected) P value	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 *	-0.05640 to	Yes	****	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (Polarite in the statistic corrected) P value P value P value P value P value P value summary	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 *	-0.05640 to	Yes	****	P value
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P-Bartlett's statistic (corrected) P value P value Significantly different standard deviations? (P-Bartlett's statistic (corrected) P value P value Significantly different standard deviations? (P-Significantly different standard deviations)	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 * Yes	-0.05640 to	Yes No MS	**** Ins	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P- Bartlett's test Bartlett's statistic (corrected) P value P value Significantly different standard deviations? (P- Significantly different standard deviations? (P- ANOVA table	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 * Yes SS	-0.05640 to	Yes No MS	F (DFn, DFc	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P statistics) Bartlett's test Bartlett's statistic (corrected) P value P value Nova table Treatment (between columns)	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 * Yes SS 3.641	-0.05640 to	Yes No MS 0.7282	F (DFn, DFc	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P-Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P-Bartlett's statistic (corrected) P value P value P value summary Significantly different standard deviations? (P-ANOVA table Treatment (between columns) Residual (within columns) Total	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 * Yes SS 3.641 0.01589	-0.05640 to	Yes No MS 0.7282	F (DFn, DFc	
Nucleolin ANOVA summary F P value P value summary Are differences among means statistically sign R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P Bartlett's test Bartlett's statistic (corrected) P value P value P value summary Significantly different standard deviations? (P ANOVA table Treatment (between columns) Residual (within columns)	1375 < 0.0001 **** Yes 0.9957 4.028 (5, 30 0.0065 ** Yes 12.84 0.0249 * Yes SS 3.641 0.01589	-0.05640 to	Yes No MS 0.7282	F (DFn, DFc	

Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN	0.8011	95% CI of d	Significant?	Summary	
Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3	15 0.05 Mean Diff. 0.8011		Significant?	Summary	
Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3	15 0.05 Mean Diff. 0.8011		Significant?	Summary	
Alpha Tukey's multiple comparisons test shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3	0.05 Mean Diff. 0.8011		Significant?	Summary	
Tukey's multiple comparisons test shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3	Mean Diff. 0.8011		Significant?	Summary	
shControl vs. shTERT 1 shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT	0.8011		Significant?	Summary	
shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT		0.7607 to 0			
shControl vs. shTERT 2 shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT		0 7607 to 0			
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT	0.7109	0.1001 100.	Yes	****	
shControl vs. shTERT 3 + TERT WT		0.6705 to 0.		****	
		0.5892 to 0.		****	
shControl vs. shTFRT 3 + TFRT DN		-0.009783 to		ns	
		0.3088 to 0.		****	
shTERT 1 vs. shTERT 2		-0.1306 to -		****	
shTERT 1 vs. shTERT 3		-0.2119 to -0	Yes	****	
shTERT 1 vs. shTERT 3 + TERT WT			Yes	****	
shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3		-0.4923 to - -0.1217 to -	Yes	****	
shTERT 2 vs. shTERT 3 + TERT WT		-0.7207 to -		****	
shTERT 2 vs. shTERT 3 + TERT DN		-0.4021 to -	Yes	****	
shTERT 3 vs. shTERT 3 + TERT WT				****	
shTERT 3 vs. shTERT 3 + TERT DN				****	
shTERT 3 + TERT WT vs. shTERT 3 + TERT		0.2782 to 0.		****	
	2.2.00	10 0.			
elF2a					
ANOVA summary					
F	29.64				
	< 0.0001				
P value summary	****				
Are differences among means statistically sign					
R square	0.8317				
Brown-Forsythe test					
	2.660 (5, 30))			
P value	0.0418	i			
P value summary	*				
Significantly different standard deviations? (P	Yes				
3,					
Bartlett's test					
Bartlett's statistic (corrected)	15.12				
P value	0.0099				
P value summary	**				
Significantly different standard deviations? (P	Yes				
ANIOVA 4-1-1-	00	DE	140	E (DE- DE	Directions
		DF	MS 0.00E70	F (DFn, DF	
Treatment (between columns) Residual (within columns)	0.1289 0.02609	5	0.02578	F(5, 30) = 2	P < 0.0001
Total	0.02009	35	0.0000097		
Total	0.100	- 55			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	36				
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
Tukov's multiple comparisons tost	Moos D:#	05% CL -f -	Cignificanto	Cummer	
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	olymilicant?	ounimary	
shControl vs. shTERT 1	0.1601	0.1083 to 0.	Yes	****	
shControl vs. shTERT 2		0.06835 to 0		****	
shControl vs. shTERT 3		0.03589 to (***	
shControl vs. shTERT 3 + TERT WT		-0.04402 to		ns	
shControl vs. shTERT 3 + TERT DN		-0.02441 to		ns	
shTERT 1 vs. shTERT 2	-0.03994	-0.09173 to	No	ns	
shTERT 1 vs. shTERT 3		-0.1242 to -		**	
shTERT 1 vs. shTERT 3 + TERT WT		-0.2041 to -		****	
shTERT 1 vs. shTERT 3 + TERT DN		-0.1845 to -		****	
		-0.08425 to		ns	
shTERT 2 vs. shTERT 3		-0.1642 to -		****	
shTERT 2 vs. shTERT 3 + TERT WT		-0.1445 to -		***	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN					
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT	-0.07991	-0.1317 to -		*	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN	-0.07991 -0.0603	-0.1317 to - -0.1121 to -(Yes	*	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT	-0.07991 -0.0603	-0.1317 to -	Yes	* ns	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN	-0.07991 -0.0603	-0.1317 to - -0.1121 to -(Yes	* ns	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN	-0.07991 -0.0603	-0.1317 to - -0.1121 to -(Yes	* ns	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN	-0.07991 -0.0603	-0.1317 to - -0.1121 to -(Yes	* ns	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN	-0.07991 -0.0603	-0.1317 to - -0.1121 to -(Yes	* ns	
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 + TERT WT vs. shTERT 3 + TERT I	-0.07991 -0.0603 0.01961	-0.1317 to - -0.1121 to -(Yes	* ns	

**	P ≤ 0.01		
***	P ≤ 0.001		
****	P ≤ 0.0001		

	ı	T			
Statistics For Figure S3D					
H1					
ANOVA summary	10.5				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically sign					
R square	0.6363				
Brown-Forsythe test					
F (DFn, DFd)	9.745 (5, 30))			
P value	< 0.0001				
P value summary Significantly different standard deviations? (P	Yes				
Significantly different standard deviations: (1	163				
Bartlett's test					
Bartlett's statistic (corrected)	52.59				
P value P value summary	< 0.0001				
Significantly different standard deviations? (P	Yes				
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Treatment (between columns) Residual (within columns)	0.02386 0.01364	5	0.004772 0.0004547	F (5, 30) = 10.50	と < 0.0001
Total	0.01364	30	0.0004547		
	2.00.0				
Data summary					
Number of treatments (columns)	6				
Number of values (total)	36				
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	
			- g-m-cant		
shControl vs. shTERT 1		0.02467 to 0.099		***	
shControl vs. shTERT 2		0.02781 to 0.102 0.006428 to 0.08		*	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT		-0.005430 to 0.0		ns	
shControl vs. shTERT 3 + TERT DN		-0.03432 to 0.04		ns	
shTERT 1 vs. shTERT 2		-0.03431 to 0.04		ns	
shTERT 1 vs. shTERT 3		-0.05569 to 0.01		ns	
shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN		-0.06755 to 0.00 -0.09644 to -0.02		ns ***	
shTERT 2 vs. shTERT 3		-0.05882 to 0.01		ns	
shTERT 2 vs. shTERT 3 + TERT WT		-0.07068 to 0.00		ns	
shTERT 2 vs. shTERT 3 + TERT DN		-0.09957 to -0.02		***	
shTERT 3 vs. shTERT 3 + TERT WT shTERT 3 vs. shTERT 3 + TERT DN		-0.04930 to 0.02 -0.07819 to -0.00		ns *	
shTERT 3 + TERT WT vs. shTERT 3 + TERT		-0.06633 to 0.00		ns	
H4					
ANOVA summary					
F	101				
P value	< 0.0001				
P value summary Are differences among means statistically sign					
R square	0.9439				
•					
Brown-Forsythe test	6 267 /5 63				
F (DFn, DFd) P value	6.367 (5, 30 0.0004				
P value summary	***				
Significantly different standard deviations? (P	Yes				
Dodlottle to at					
Bartlett's test Bartlett's statistic (corrected)	11.22				
P value	0.0473				
P value summary	*				
Significantly different standard deviations? (P	Yes				
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Treatment (between columns)	0.004544			F (5, 30) = 101.0	
Residual (within columns)	0.00027		8.999E-06	(2, 22) .01.0	
Total	0.004814	35			
Data summany					
Data summary Number of treatments (columns)	6				
Number of values (total)	36				
Number of families	1 15				
Number of comparisons per family Alpha	15 0.05				
2 HP - 188	0.00				
		_	_		_

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	
shControl vs. shTERT 1	0.03145	0.02618 to 0.036	Yes	****	
shControl vs. shTERT 2	0.02809	0.02282 to 0.033	Yes	****	
shControl vs. shTERT 3	0.01275	0.007478 to 0.01	Yes	****	
shControl vs. shTERT 3 + TERT WT	0.006111	0.0008431 to 0.0	Yes	*	
shControl vs. shTERT 3 + TERT DN	0.01248	0.007209 to 0.01	Yes	****	
shTERT 1 vs. shTERT 2	-0.003361	-0.008629 to 0.0	No	ns	
shTERT 1 vs. shTERT 3	-0.01871	-0.02397 to -0.01	Yes	****	
shTERT 1 vs. shTERT 3 + TERT WT	-0.02534	-0.03061 to -0.02	Yes	****	
shTERT 1 vs. shTERT 3 + TERT DN	-0.01897	-0.02424 to -0.01	Yes	****	
shTERT 2 vs. shTERT 3	-0.01534	-0.02061 to -0.01	Yes	****	
shTERT 2 vs. shTERT 3 + TERT WT	-0.02198	-0.02725 to -0.01	Yes	****	
shTERT 2 vs. shTERT 3 + TERT DN	-0.01561	-0.02088 to -0.01	Yes	****	
shTERT 3 vs. shTERT 3 + TERT WT	-0.006635	-0.01190 to -0.00	Yes	**	
shTERT 3 vs. shTERT 3 + TERT DN	-0.000269	-0.005537 to 0.0	No	ns	
shTERT 3 + TERT WT vs. shTERT 3 + TERT	0.006366	0.001098 to 0.01	Yes	*	
Symbol	Meaning				
ns	P > 0.05				
*	P ≤ 0.05				
**	P ≤ 0.01				
***	P ≤ 0.001				
****	P ≤ 0.0001				

Satistics for Figure S3H					
45s					
ANIOVA					
ANOVA summary	339.9				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically signific	Yes				
R square	0.9831				
Brown-Forsythe test					
F (DFn, DFd)	2.795 (6, 35	5)			
P value	0.025				
P value summary Significantly different standard deviations? (P < 0	Voc				
Significantly different standard deviations? (F < 0	. 165				
Bartlett's test					
Bartlett's statistic (corrected)	12.17				
P value	0.0583				
P value summary	ns				
Significantly different standard deviations? (P < 0	. No				
ANOVALLI	00	D.E.	140	E /BE ==	
ANOVA table	SS	DF		F (DFn, DF)	
Treatment (between columns) Residual (within columns)	5.808 0.09967	6 35	0.968	F(6, 35) = 3	r < 0.0001
Total	5.908	35	0.002848		
Total	5.800	41			
Data summary					
Number of treatments (columns)	7				
Number of values (total)	42				
Number of families	1				
Number of comparisons per family	21				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Cianificant	Cummoni	
Tukey's multiple compansons test	Mean Dill.	95% Ci di dili.	Significant?	Summary	
shControl vs. shTerc	0 1064	0.01012 to 0.2027	Yes	*	
shControl vs. shTERT 1		0.6544 to 0.8471	Yes	****	
shControl vs. shTERT 2		0.6584 to 0.8510			
		0.0004 10 0.0010	Yes	****	
shControl vs. shTERT 3		0.1326 to 0.3252	Yes	***	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT			Yes		
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN	-0.299 -0.04436	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195	Yes Yes No	**** **** ns	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1	-0.299 -0.04436 0.6443	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406	Yes Yes No Yes	**** **** ns ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2	-0.299 -0.04436 0.6443 0.6483	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446	Yes Yes No Yes Yes	**** **** ns ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3	-0.299 -0.04436 0.6443 0.6483 0.1225	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188	Yes Yes No Yes Yes Yes Yes	**** *** NS **** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092	Yes Yes No Yes Yes Yes Yes Yes	**** **** ns ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544	Yes Yes No Yes Yes Yes Yes Yes Yes Yes	**** *** NS **** *** ** ** ***	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003	Yes Yes No Yes Yes Yes Yes Yes Yes Yes You	**** *** IS **** **** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544	Yes Yes No Yes	**** **** **** **** **** **** ***	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 2	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255	Yes Yes No Yes	**** **** *** *** *** ** ** **	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes	**** **** *** *** ** ** ** **	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes	**** **** *** *** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT WT	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
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shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
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shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317 -0.3696 to -0.1770	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317 -0.3696 to -0.1770	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317 -0.3696 to -0.1770	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317 -0.3696 to -0.1770	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN shTerc vs. shTERT 1 shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2 shTERT 1 vs. shTERT 3 + TERT WT shTERT 1 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT DN shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN shTERT 3 vs. shTERT 3 + TERT DN	-0.299 -0.04436 0.6443 0.6483 0.1225 -0.4055 -0.1508 0.003955 -0.5218 -1.05 -0.7951 -0.5258 -1.054 -0.7991 -0.528 -0.2733	0.1326 to 0.3252 -0.3954 to -0.2027 -0.1407 to 0.05195 0.5480 to 0.7406 0.5520 to 0.7446 0.02618 to 0.2188 -0.5018 to -0.3092 -0.2471 to -0.0544 -0.09236 to 0.1003 -0.6181 to -0.4255 -1.146 to -0.9535 -0.8914 to -0.6988 -0.6221 to -0.4295 -1.150 to -0.9574 -0.8954 to -0.7027 -0.6243 to -0.4317 -0.3696 to -0.1770	Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes	**** **** **** *** *** *** *** *** *** ****	

	1	1		T	
5.8s					
ANOVA summary					
F	103.9				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically signific	Yes				
R square	0.9468				
- Coquaro	0.0100				
Brown-Forsythe test					
	2.000./0.25	`\			
F (DFn, DFd)	2.689 (6, 35)			
P value	0.0298				
P value summary	*				
Significantly different standard deviations? (P < 0.	Yes				
Bartlett's test					
Bartlett's statistic (corrected)	40.16				
P value	< 0.0001				
P value summary	****				
Significantly different standard deviations? (P < 0.	Ves				
organicantly unicient standard deviations? (F < 0.	163				
ANOVA table	cc	DE	MC	E/DEs DE	Dyalus
	SS			F (DFn, DF)	
Treatment (between columns)	4.555	6		F(6, 35) =	r < 0.0001
Residual (within columns)	0.2558	35	0.007308		
Total	4.811	41			
Data summary					
Number of treatments (columns)	7				
Number of values (total)	42				
Trained of values (total)					
Number of families	1				
Number of comparisons per family	21				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	
shControl vs. shTerc	0.1395	-0.01481 to 0.2938	No	ns	
shControl vs. shTERT 1	0.7017	0.5474 to 0.8560	Yes	****	
shControl vs. shTERT 2	0.6847	0.5305 to 0.8390	Yes	****	
shControl vs. shTERT 3			Yes	***	
shControl vs. shTERT 3 + TERT WT		-0.4265 to -0.1179		****	
				*	
shControl vs. shTERT 3 + TERT DN		0.005553 to 0.314		****	
shTerc vs. shTERT 1		0.4080 to 0.7165			
shTerc vs. shTERT 2		0.3910 to 0.6996		****	
shTerc vs. shTERT 3		0.05902 to 0.3676		**	
shTerc vs. shTERT 3 + TERT WT		-0.5660 to -0.2574		****	
shTerc vs. shTERT 3 + TERT DN	0.02037	-0.1339 to 0.1747	No	ns	
shTERT 1 vs. shTERT 2		-0.1713 to 0.1373		ns	
shTERT 1 vs. shTERT 3		-0.5032 to -0.1947		****	
shTERT 1 vs. shTERT 3 + TERT WT		-1.128 to -0.8197		****	
shTERT 1 vs. shTERT 3 + TERT DN		-0.6962 to -0.3876		****	

shTERT 2 vs. shTERT 3		-0.4863 to -0.1777		****	
shTERT 2 vs. shTERT 3 + TERT WT		-1.111 to -0.8027			
shTERT 2 vs. shTERT 3 + TERT DN		-0.6792 to -0.3706		****	
shTERT 3 vs. shTERT 3 + TERT WT		-0.7793 to -0.4707		****	
shTERT 3 vs. shTERT 3 + TERT DN	-0.1929	-0.3472 to -0.0386	Yes	**	
shTERT 3 + TERT WT vs. shTERT 3 + TERT DN	0.4321	0.2778 to 0.5864	Yes	****	-
Sumbol	Maanina				
Symbol	Meaning				
ns	P > 0.05				
*	P ≤ 0.05				
**	P ≤ 0.01				
***	P ≤ 0.001				
***	P ≤ 0.0001				

ANOVA summary		•			1		
ANOVA summary F F Pvalue Solution Solu	Statistics for Figure S3I						
ANOVA summary F F Pvalue Solution Solu	Cuelly D4						<u> </u>
F Value	Cyclin U1	 					
F Value	ANOVA summon						
P value P value with many and the provided of the provided and the provide	F Summary	552.0					
P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) 5.059 (6.35) P value summary *** Significantly different standard deviations? (P < 0.05) Barrlett's test Barrlett's statistic (corrected) P value summary *** Significantly different standard deviations? (P < 0.05) Yes Barrlett's statistic (corrected) P value summary *** Significantly different standard deviations? (P < 0.05) Yes Barrlett's statistic (corrected) P value summary *** Significantly different standard deviations? (P < 0.05) Yes DF ANOVA table SS DF MS F (DFn, DF P value 0.0053 P value summary *** SS,268 G 8.781 F (6,35) = P < 0.0001 Residual (within columns) 0.5558 35	P value						-
Are differences among means statistically significant? (P < 0.05) Yes R square							
Brown-Forsythe test		Yes					
Brown-Forsythe test							
F (DFn, DFd)	11040010	0.0000					
F (DFn, DFd)	Brown-Forsythe test						
P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) 18.39 P value 0.0053 P value P value P value vising different standard deviations? (P < 0.05) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? (P < 0.05) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? (P < 0.05) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? (P < 0.05) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? (P < 0.05) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? (P < 0.000) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? Significant? Significant? (P < 0.000) ANOVA table SS DF MS F (DFn, DF P value vising different standard deviations? Significant? Significant.	F (DFn, DFd)	5.059 (6, 35	5)				
Yes	P value		ĺ				
Bartlett's test Bartlett's statistic (corrected) P value	P value summary	***					
Bartlett's statistic (corrected) P value P value 0.0053 P value P value your provided in the provided in th	Significantly different standard deviations? (P < 0.05)	Yes					
Bartlett's statistic (corrected) P value P value 0.0053 P value P value your provided in the provided in th							
P value you will be summary Yes	Bartlett's test						
P value summary F Significantly different standard deviations? (P < 0.05) Yes Significantly different standard deviations? (P < 0.05) Yes S DF MS F (DFn, DF P value Treatment (between columns) 52.68 6 8.781 F (6, 35) = 4 P < 0.0001 Residual (within columns) 0.5558 35 0.01588 S 0.0158	Bartlett's statistic (corrected)	18.39					
Yes Significanty different standard deviations? (P < 0.05) Yes Significanty different standard deviations? (P < 0.05) Yes Significanty different standard deviations? (P < 0.05) Yes Significanty different standard deviations? (P < 0.0001 Significanty Signif	P value						
ANOVA table Treatment (between columns) 52.88 6 8.781 F (6, 35) = P < 0.0001 Residual (within columns) 0.5558 35 0.01588 7 total 53.24 41 Data summary Number of treatments (columns) Number of treatments (columns) Number of values (total) Number of comparisons per family Alpha 0.05 Number of comparisons per family Alpha 0.05 Tukey's multiple comparisons test Mean Diff. 95% CI of d Significant? Summary shControl vs. shTerc 0.0399 -0.1875 to Q No ns shControl vs. shTeRT 1 0.4799 0.2524 to 0 Yes shControl vs. shTERT 2 0.5629 0.3355 to 0 Yes shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN 1.506 1.794 to 1 Yes shTerc vs. shTERT 2 0.524 0.2956 to 0 Yes shTerc vs. shTERT 2 0.525 0.778 to .2 Yes shTerc vs. shTERT 3 0.544 0.2970 to 1 Yes shTerc vs. shTERT 3 0.544 0.2970 to 0 Yes shTerc vs. shTERT 3 0.5643 0.3069 to 0 Yes shTerc vs. shTERT 3 0.5643 0.3069 to 0 Yes shTerc vs. shTERT 3 0.5643 0.2956 to 0 Yes shTerc vs. shTERT 3 0.5643 0.2956 to 0 Yes shTerc vs. shTERT 3 0.5643 0.2956 to 0 Yes shTerc vs. shTERT 3 0.544 0.2970 to 0 Yes shTerc vs. shTERT 3 0.544 0.2970 to 0 Yes shTerc vs. shTERT 3 0.544 0.2970 to 0 Yes shTerc vs. shTERT 3 0.544 0.2970 to 0 Yes shTERT 1 ShTERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 2 0.08304 -0.1444 to No ns shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 1 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 2 vs. shTERT 3 + TERT DN 1.107 1.834 to 1 Yes shTERT 3 vs. shTERT 3 + TERT DN 1.207 1.207	P value summary	**					
Treatment (between columns) Residual (within columns) 0.5558 35 0.01588 Total Data summary Number of treatments (columns) Number of values (total) Number of comparisons per family Alpha 0.05 Number of comparisons per family Alpha 0.05 Tukey's multiple comparisons test Mean Diff. 95% Cl of of Significant? Summary shControl vs. shTerc 0.0399 -0.1875 to (No ns shControl vs. shTert 1 0.4799 0.2524 to 0 Yes **** shControl vs. shTerT 3 0.5629 0.3355 to 0 Yes **** shControl vs. shTeRT 3 + TERT DN	Significantly different standard deviations? (P < 0.05)	Yes					
Treatment (between columns) Residual (within columns) 0.5558 35 0.01588 Total Data summary Number of treatments (columns) Number of values (total) Number of comparisons per family Alpha 0.05 Number of comparisons per family Alpha 0.05 Tukey's multiple comparisons test Mean Diff. 95% Cl of of Significant? Summary shControl vs. shTerc 0.0399 -0.1875 to (No ns shControl vs. shTert 1 0.4799 0.2524 to 0 Yes **** shControl vs. shTerT 3 0.5629 0.3355 to 0 Yes **** shControl vs. shTeRT 3 + TERT DN							
Residual (within columns)	ANOVA table						
Data summary Data	Treatment (between columns)				F(6, 35) = 5	P < 0.0001	oxdot
Data summary Number of treatments (columns) 7	Residual (within columns)			0.01588			oxdot
Number of treatments (columns) 7 Number of values (total) 42	Total	53.24	41				$oxedsymbol{oxed}$
Number of treatments (columns) 7 Number of values (total) 42							
Number of values (total) Number of families Number of comparisons per family Alpha Diff. 1 Number of comparisons per family 21 Alpha 0.05 Tukey's multiple comparisons test Mean Diff. 95% CI of c Significant? Summary shControl vs. shTerc 0.0399 -0.1875 to C No ns shControl vs. shTeRT 1 0.4799 0.2524 to 0 Yes **** shControl vs. shTERT 2 0.5629 0.3355 to 0 Yes **** shControl vs. shTERT 3 0.5643 0.3369 to 0 Yes **** shControl vs. shTERT 3 + TERT WT -2.51 -2.738 to -2 Yes **** shTerc vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes **** shTerc vs. shTERT 3 0.5244 0.2970 to 0 Yes **** shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes **** shTERT 1 vs. shTERT 2 0.08304 -0.1444 to C No ns shTERT 1 vs. shTERT 3 0.08442 -0.1430 to C No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes **** shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.947 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.947 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.947 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.275 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.047 -2.275 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.047 -2.275 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.047 -2.275 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.047 -2.275 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.047 -2.275 to -							<u> </u>
Number of families Number of comparisons per family Alpha 0.05 Number of comparisons per family Number of comparisons per family Alpha 0.05 Number of comparisons per family 21 Number of comparisons per family 0.05 Number of comparisons per family 22 Number of comparisons per family 21 Number of comparisons per family 22 Number of comparisons per family 23 Number of comparisons per family 24 Number of comparisons per family 25 Number of comparisons per family 26 Number of comparisons per family 27 Number of comparisons per family 28 Number of comparisons per family 29 Number of comparisons per family 20 Number of comparisons per family 21 Number of comparisons per family 22 Number of comparisons per family 23 Number of comparisons per family 24 Number of comparisons per family 25 Number of comparisons per family 26 Number of comparisons per family 27 Number of comparisons per family 28 Number of comparisons per family 29 Number of comparisons per family 21 Number of comparisons per family 22 Number of comparisons per family 24 Number of comparisons per family 25 Number	Number of treatments (columns)						<u> </u>
Number of comparisons per family 21	Number of values (total)	42					<u> </u>
Number of comparisons per family 21							
Alpha 0.05 Mean Diff. 95% CI of d Significant? Summary shControl vs. shTerc	Number of families						
Tukey's multiple comparisons test Mean Diff. 95% CI of d Significant? Summary shControl vs. shTerc 0.0399 -0.1875 to QNo ns shControl vs. shTERT 1	Number of comparisons per family	21					
shControl vs. shTerc	Alpha	0.05					
shControl vs. shTerc							
shControl vs. shTERT 1 0.4799 0.2524 to 0 Yes ***** shControl vs. shTERT 2 0.5629 0.3355 to 0 Yes ***** shControl vs. shTERT 3 + TERT WT -0.5643 0.3369 to 0 Yes ***** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes ***** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes ***** shTerc vs. shTERT 1 0.44 0.2125 to 0 Yes ***** shTerc vs. shTERT 2 0.523 0.2956 to 0 Yes ***** shTerc vs. shTERT 3 + TERT WT -2.55 -2.778 to -2 Yes ***** shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes ***** shTERT 1 vs. shTERT 3 0.08442 -0.1444 to 0 No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 1 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -3.07	Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary		
shControl vs. shTERT 1 0.4799 0.2524 to 0 Yes ***** shControl vs. shTERT 2 0.5629 0.3355 to 0 Yes ***** shControl vs. shTERT 3 + TERT WT -0.5643 0.3369 to 0 Yes ***** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes ***** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes ***** shTerc vs. shTERT 1 0.44 0.2125 to 0 Yes ***** shTerc vs. shTERT 2 0.523 0.2956 to 0 Yes ***** shTerc vs. shTERT 3 + TERT WT -2.55 -2.778 to -2 Yes ***** shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes ***** shTERT 1 vs. shTERT 3 0.08442 -0.1444 to 0 No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 1 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -3.07							
shControl vs. shTERT 2 0.5629 0.3355 to 0 Yes ***** shControl vs. shTERT 3 0.5643 0.3369 to 0 Yes ***** shControl vs. shTERT 3 + TERT WT -2.51 -2.738 to -2 Yes ***** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes ***** shTerc vs. shTERT 1 0.44 0.2125 to 0 Yes ***** shTerc vs. shTERT 2 0.523 0.2956 to 0 Yes ***** shTerc vs. shTERT 3 + TERT WT -2.55 -2.778 to -2 Yes ***** shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes ***** shTERT 1 vs. shTERT 2 0.08304 -0.1444 to 0 No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.357 to -1 <	shControl vs. shTerc						
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 shTerc vs. shTERT 2 -2.51 -2.738 to -2 yes							
shControl vs. shTERT 3 + TERT WT shControl vs. shTERT 3 + TERT DN -2.51 -2.738 to -2 Yes **** shControl vs. shTERT 3 + TERT DN -1.567 -1.794 to -1 Yes **** shTerc vs. shTERT 1 0.44 0.2125 to 0 Yes **** shTerc vs. shTERT 2 0.523 0.2956 to 0 Yes **** shTerc vs. shTERT 3 0.5244 0.2970 to 0 Yes **** shTerc vs. shTERT 3 + TERT WT -2.55 -2.778 to -2 Yes **** shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes **** shTERT 1 vs. shTERT 2 0.8304 -0.1444 to (No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes **** shTERT 1 vs. shTERT 3 + TERT DN -2.047 -2.274 to -1 Yes **** shTERT 2 vs. shTERT 3 0.001388 -0.2600 to (No ns shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes **** shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -2.131 -2.359 to -1 Yes ****							
ShControl vs. shTERT 3 + TERT DN							
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shTerc vs. shTERT 2 shTerc vs. shTERT 3 shTerc vs. shTERT 3 shTerc vs. shTERT 3 + TERT WT shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 shTERT 1 vs. shTERT 2 0.08304 -0.1444 to 0 No shTERT 1 vs. shTERT 3 0.08442 -0.1430 to 0 No shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 yes shTERT 1 vs. shTERT 3 + TERT WT -2.097 -3.218 to -2 yes shTERT 1 vs. shTERT 3 + TERT WT -2.097 -3.218 to -2 yes shTERT 1 vs. shTERT 3 + TERT DN -2.047 -2.274 to -1 yes shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 yes shTERT 2 vs. shTERT 3 + TERT WT -2.13 -2.357 to -1 yes shTERT 3 vs. shTERT 3 + TERT WT -2.13 -2.359 to -1 yes shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 yes shTERT 3 vs. shTERT 3 + TERT WT -2.131 -2.359 to -1 yes ****							
shTerc vs. shTERT 3							
shTerc vs. shTERT 3 + TERT WT -2.55 -2.778 to -2 Yes ***** shTerc vs. shTERT 3 + TERT DN -1.607 -1.834 to -1 Yes ***** shTERT 1 vs. shTERT 2 0.08304 -0.1444 to 0 No ns shTERT 1 vs. shTERT 3 0.08442 -0.1430 to 0 No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT DN -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT DN -2.13 -2.357 to -1 Yes ***** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.359 to -1 Yes *****							
shTerc vs. shTert 3 + Tert DN -1.607 -1.834 to -1 Yes **** shTerc vs. shTert 2 0.08304 -0.1444 to (No ns shTert 1 vs. shTert 3 0.08442 -0.1430 to (No ns shTert 1 vs. shTert 3 + Tert WT -2.99 -3.218 to -2 Yes **** shTert 1 vs. shTert 3 + Tert DN -2.047 -2.274 to -1 Yes **** shTert 2 vs. shTert 3 0.001388 -0.2600 to (No ns shTert 2 vs. shTert 3 + Tert WT -3.073 -3.301 to -2 Yes **** shTert 2 vs. shTert 3 + Tert DN -2.131 -2.357 to -1 Yes **** shTert 3 vs. shTert 3 + Tert WT -3.075 -3.302 to -2 Yes **** shTert 3 vs. shTert 3 + Tert DN -2.131 -2.359 to -1 Yes **** **** **** **** **** **** ****							
ShTERT 1 vs. shTERT 3 + TERT DN							
shTERT 1 vs. shTERT 3 0.08442 -0.1430 to 0 No ns shTERT 1 vs. shTERT 3 + TERT WT -2.99 -3.218 to -2 Yes ***** shTERT 1 vs. shTERT 3 + TERT DN -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 0.001388 -0.260 to 0 No ns shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT DN -2.13 -2.357 to -1 Yes ***** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.359 to -1 Yes *****					****		
shTERT 1 vs. shTERT 3 + TERT WT -2.99					ns		
shTERT 1 vs. shTERT 3 + TERT DN -2.047 -2.274 to -1 Yes ***** shTERT 2 vs. shTERT 3 0.001388 -0.2260 to (No ns shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes ***** shTERT 2 vs. shTERT 3 + TERT DN -2.13 -2.357 to -1 Yes ***** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.359 to -1 Yes *****							
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shTERT 2 vs. shTERT 3 + TERT WT -3.073 -3.301 to -2 Yes **** shTERT 2 vs. shTERT 3 + TERT DN -2.13 -2.357 to -1 Yes **** shTERT 3 vs. shTERT 3 + TERT WT -3.075 -3.302 to -2 Yes ***** shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.359 to -1 Yes *****	shTERT 1 vs. shTERT 3 + TERT DN						<u> </u>
1-3.07 1-3.07 1-2 165							<u> </u>
shTERT 3 vs. shTERT 3 + TERT WT							<u> </u>
shTERT 3 vs. shTERT 3 + TERT DN -2.131 -2.359 to -1 Yes ****	shTERT 2 vs. shTERT 3 + TERT DN						<u> </u>
SITERT 3 VS. SITERT 3 + TERT DIV -2.131 -2.339 t0 -1 FeS							<u> </u>
Shieri 3 + Ieri Wi vs. shieri 3 + Ieri DN 0.9437 0.7162 to 1 Yes ****							<u> </u>
	shTERT 3 + TERT WT vs. shTERT 3 + TERT DN	0.9437	0.7162 to 1	Yes	****		
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elF2a						
ANOVA summary						
F	212.5					t
P value	< 0.0001					
P value summary	****					
Are differences among means statistically significant? (P < 0.05) R square	Yes 0.9733					
R Square	0.9733					
Brown-Forsythe test						
F (DFn, DFd)	3.711 (6, 35	;)				
P value	0.0058					
P value summary	**					
Significantly different standard deviations? (P < 0.05)	Yes					
Bartlett's test						
Bartlett's statistic (corrected)	48.54					
P value	< 0.0001					
P value summary	****					<u> </u>
Significantly different standard deviations? (P < 0.05)	Yes					
ANOVA table	SS	DF	MS	F (DFn, DF	P value	\vdash
Treatment (between columns)	8.832	6		F (6, 35) = 2		
Residual (within columns)	0.2424	35				
Total	9.075	41				$oxed{oxed}$
Data summany						<u> </u>
Data summary Number of treatments (columns)	7					
Number of treatments (columns)	42					
(100)						
Number of families	1					
Number of comparisons per family	21					<u> </u>
Alpha	0.05					-
Tukey's multiple comparisons test	Mean Diff	95% CL of d	Significant?	Summany		
Tukey 3 multiple comparisons test	Wican Dill.	30 /0 OI OI O	Olgrinicarit	Cultillary		
shControl vs. shTerc	0.1912	0.04098 to	Yes	**		
shControl vs. shTERT 1		0.6524 to 0.		****		
shControl vs. shTERT 2		0.6249 to 0		****		┞
shControl vs. shTERT 3 shControl vs. shTERT 3 + TERT WT		0.5507 to 0. -0.6556 to -		****		
shControl vs. shTERT 3 + TERT WT		-0.0556 to -		ns		
shTerc vs. shTERT 1		0.4612 to 0.		****		
shTerc vs. shTERT 2	0.5839	0.4337 to 0.	Yes	****		
shTerc vs. shTERT 3		0.3596 to 0.		****		
shTerc vs. shTERT 3 + TERT WT		-0.8467 to -		****		
shTerc vs. shTERT 3 + TERT DN shTERT 1 vs. shTERT 2		-0.3328 to -		ns		
shTERT 1 vs. shTERT 3	-0.1016	-0.2518 to 0	No	ns		
shTERT 1 vs. shTERT 3 + TERT WT		-1.458 to -1		****		
shTERT 1 vs. shTERT 3 + TERT DN	-0.794	-0.9442 to -	Yes	****		
shTERT 2 vs. shTERT 3		-0.2243 to 0		ns ****		Щ
shTERT 2 vs. shTERT 3 + TERT WT shTERT 2 vs. shTERT 3 + TERT DN		-1.431 to -1 -0.9167 to -		****		
shTERT 3 vs. shTERT 3 + TERT DN		-0.9167 to -1		****		
shTERT 3 vs. shTERT 3 + TERT DN		-0.8425 to -		****		\vdash
shTERT 3 + TERT WT vs. shTERT 3 + TERT DN		0.3638 to 0.		****		
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Nucleolin						
111014						
ANOVA summary						
F	464.2					
P value	< 0.0001					
P value summary	****					
Are differences among means statistically significant? (P < 0.05)	Yes					
R square	0.9876					
Brown-Forsythe test						
F (DFn, DFd)	3.444 (6, 35	5)				
P value	0.0089	ľ				
P value summary	**					
Significantly different standard deviations? (P < 0.05)	Yes					
eigrinoarity amororit staridard deviatione: (1 × 0.00)	100					
Bartlett's test						
Bartlett's statistic (corrected)	25.04					
P value	0.0003					
P value summary						
Significantly different standard deviations? (P < 0.05)	Yes					$\vdash \vdash$
						igspace
ANOVA table	SS	DF		F (DFn, DFc		
Treatment (between columns)	5.624	6		F(6, 35) = 4	P < 0.0001	
Residual (within columns)	0.07068	35	0.002019			
Total	5.695	41				
Data summary	1					
Number of treatments (columns)	7					
Number of values (total)	42					
Transor or raidoo (total)						
Number of families	1					
						-
Number of comparisons per family	21					-
Alpha	0.05					
-		0=0/ 0/ 6	0: :6 :0			
Tukey's multiple comparisons test	Mean Diff.	95% CI of a	Significant?	Summary		
shControl vs. shTerc		0.01671 to		**		
shControl vs. shTERT 1	0.7376	0.6565 to 0.	Yes	****		
shControl vs. shTERT 2	0.7525	0.6714 to 0.	Yes	****		
shControl vs. shTERT 3	0.6891	0.6080 to 0.	Yes	****		
shControl vs. shTERT 3 + TERT WT	-0.2041	-0.2852 to -	Yes	****		
shControl vs. shTERT 3 + TERT DN		0.1227 to 0.		****		
shTerc vs. shTERT 1		0.5586 to 0.		****		
shTerc vs. shTERT 2		0.5735 to 0.		****		\vdash
shTerc vs. shTERT 3		0.5102 to 0.		****		\vdash
shTerc vs. shTERT 3 + TERT WT		-0.3830 to -		****		\vdash
shTerc vs. shTERT 3 + TERT DN		0.02486 to		**		$\vdash\vdash$
						\vdash
shTERT 1 vs. shTERT 2		-0.06620 to		ns		-
shTERT 1 vs. shTERT 3		-0.1295 to 0		ns ****		ш
shTERT 1 vs. shTERT 3 + TERT WT		-1.023 to -0				Щ
shTERT 1 vs. shTERT 3 + TERT DN		-0.6149 to -		****		Щ
shTERT 2 vs. shTERT 3		-0.1444 to 0		ns		
shTERT 2 vs. shTERT 3 + TERT WT		-1.038 to -0		****		
shTERT 2 vs. shTERT 3 + TERT DN	-0.5487	-0.6298 to -	Yes	****		
shTERT 3 vs. shTERT 3 + TERT WT	-0.8932	-0.9743 to -	Yes	****		
shTERT 3 vs. shTERT 3 + TERT DN		-0.5665 to -		****		
shTERT 3 + TERT WT vs. shTERT 3 + TERT DN		0.3268 to 0.		****		
						\vdash
						\vdash
	1					$\vdash\vdash$
Complete						$\vdash \vdash$
Symbol	Meaning					$\vdash \vdash$
ns	P > 0.05	ļ				Щ
*	P ≤ 0.05					Щ
**	P ≤ 0.01					
***	P ≤ 0.001					
****	P ≤ 0.0001					⊥]

		1				-
Statistics for Figure S3J						
ENO1						
ANOVA summary						
<u>F</u>	22.27					
P value	< 0.0001					
P value summary Are differences among means statistically significant? (P < 0.05)	Yes				-	
R square	0.8991					
ir oquaro	0.0001				1	
Brown-Forsythe test						
F (DFn, DFd)	1.941 (4, 10					
P value	0.1801					
P value summary	ns					
Significantly different standard deviations? (P < 0.05)	No				-	
Bartlett's test						
Bartlett's statistic (corrected)						
P value						
P value summary						
Significantly different standard deviations? (P < 0.05)						
	00	0.5				
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value	
Treatment (between columns) Residual (within columns)	1.51 0.1695	4 10	0.3776	F (4, 10) = 22.27	P < 0.0001	
Total	1.68		0.01695		 	
Total	1.00	14				
Data summary						
Number of treatments (columns)	5					
Number of values (total)	15					
Number of families	1					
Number of comparisons per family	10					
Alpha	0.05				-	
Tukey's multiple comparisons test	Mean Diff	95% CI of diff.	Significant?	Summany	+	
Tukey 3 multiple comparisons test	Wican Dill.	3370 Of of diff.	Olgrinicarit	Outilitiary	†	
shControl vs. shTERT-A	0.3277	-0.02213 to 0.6776	No	ns		
shControl vs. shTERT-B	0.6004	0.2505 to 0.9502	Yes	**		
shControl vs. shTERT-A +TERT		-0.5436 to 0.1561	No	ns		
shControl vs. shTERT-B +TERT		-0.5738 to 0.1259	No	ns		
shTERT-A vs. shTERT-B		-0.07724 to 0.6225	No	ns **		
shTERT-A vs. shTERT-A +TERT		-0.8713 to -0.1716	Yes	**		
shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT		-0.9016 to -0.2019 -1.144 to -0.4442	Yes Yes	***	-	
shTERT-B vs. shTERT-B +TERT		-1.174 to -0.4745	Yes	***	+	
shTERT-A +TERT vs. shTERT-B +TERT		-0.3801 to 0.3196	No	ns		
ONTERVINO ONTERVI B TERVI	0.00021	0.0001 to 0.0100	110	110		
GAPDH						
ANOVA summary	05.50					
F	25.59					
F P value	25.59 < 0.0001 ****					
F P value P value summary	< 0.0001 ****					
F P value P value summary Are differences among means statistically significant? (P < 0.05)	< 0.0001 **** Yes					
F P value P value summary	< 0.0001 ****					
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test	< 0.0001 **** Yes 0.911					
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd)	< 0.0001 **** Yes 0.911 2.065 (4, 10))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607))				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No					
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No	DF	MS	F (DFn, DFd)	P value	
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339	DF 4	0.5846	F (DFn, DFd) F (4, 10) = 25.59	P value P < 0.0001	
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns)	<.0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285	DF 4 10				
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns)	< 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339	DF 4	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total	<.0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285	DF 4 10	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary	<.0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285	DF 4 10 114	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total	<.0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567	DF 4 10 14	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total)	<.0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15	DF 4 10 14	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total)	<.u.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15	DF 4 10 14	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family	<.u.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15 11 10	DF 4 10 14	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total)	<.u.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15	DF 4 10 14	0.5846			
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha	<.ul> < 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15 10 0.05	DF 4 10 114	0.5846 0.02285	F (4, 10) = 25.59		
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family	<.ul> < 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15 10 0.05	DF 4 10 14	0.5846	F (4, 10) = 25.59		
F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha	<.ul> < 0.0001 **** Yes 0.911 2.065 (4, 10 0.1607 ns No SS 2.339 0.2285 2.567 5 15 1 10 0.05 Mean Diff.	DF 4 10 114	0.5846 0.02285	F (4, 10) = 25.59		

shControl vs. shTERT-B	0.5333	0.1272 to 0.9395	Yes	*		
shControl vs. shTERT-A +TERT	-0.4203	-0.8265 to -0.01417	Yes	*		
shControl vs. shTERT-B +TERT		-0.8027 to 0.009606	No	ns		
shTERT-A vs. shTERT-B		-0.2779 to 0.5344	No	ns		
		-1.232 to -0.4192	Yes	***		
shTERT-A vs. shTERT-A +TERT				***		
shTERT-A vs. shTERT-B +TERT		-1.208 to -0.3955	Yes	***		
shTERT-B vs. shTERT-A +TERT	-0.9537	-1.360 to -0.5475	Yes			
shTERT-B vs. shTERT-B +TERT	-0.9299	-1.336 to -0.5237	Yes	***		
shTERT-A +TERT vs. shTERT-B +TERT	0.02377	-0.3824 to 0.4299	No	ns		
OMERT ACTION OF CITE O	0.02011	0.002 1 to 0.1200				
LDHA						
ANOVA summary						
F	21.76					
P value	< 0.0001					
P value summary	****					
Are differences among means statistically significant? (P < 0.05)	Yes					
R square	0.897					
Brown-Forsythe test						
F (DFn, DFd)	1.079 (4, 10))				
P value	0.4171					
P value summary	ns					
Significantly different standard deviations? (P < 0.05)	No					
Bartlett's test	l					
Bartlett's statistic (corrected)	1					
	1					
P value	1					
P value summary						
Significantly different standard deviations? (P < 0.05)	<u> </u>	<u> </u>		<u> </u>	<u> </u>	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value	
Treatment (between columns)	1.292	4		F (4, 10) = 21.76	P < 0.0001	
				F (4, 10) = 21.76	P < 0.0001	
Residual (within columns)	0.1484	10	0.01484			
Total	1.44	14				
Data summary						
Number of treatments (columns)	5					
Number of values (total)	15					
Number of families	1					
Number of comparisons per family	10					
Alpha	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary		
shControl vs. shTERT-A	0.4054	0.07808 to 0.7327	Yes	*		
shControl vs. shTERT-B		0.1426 to 0.7973	Yes	**		
shControl vs. shTERT-A +TERT		-0.6206 to 0.03401	No	20		
	-0.2933			ns		
shControl vs. shTERT-B +TERT		-0.4163 to 0.2383	No	ns		
shControl vs. shTERT-B +TERT shTERT-A vs. shTERT-B		-0.4163 to 0.2383 -0.2627 to 0.3919	No	ns		
	0.06456					
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT	0.06456 -0.6987	-0.2627 to 0.3919 -1.026 to -0.3714	No Yes	ns		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670	No Yes Yes	ns ***		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT	0.06456 -0.6987 -0.4943 -0.7632	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359	No Yes Yes Yes	NS ***		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359	No Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 -21.66 < 0.0001	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 -21.66 < 0.0001	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 <0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 <0.0001 ***** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **		
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shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 ****** Yes 0.8965 1.137 (4, 10 0.3932	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes	NS *** ** **	P value	
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 <0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes You No MS	ns *** *** *** ns F (DFn, DFd)		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bratlett's test Bratlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes No MS 0.3	NS *** ** ** ** NS ** ** ** ** ** **	P value P < 0.0001	
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2 0.1385	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316 -0.1230 to 0.5316	No Yes Yes Yes You No MS	ns *** *** *** ns F (DFn, DFd)		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns)	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316 -0.1230 to 0.5316	No Yes Yes Yes Yes No MS 0.3	ns *** *** *** ns F (DFn, DFd)		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2 0.1385	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316 -0.1230 to 0.5316	No Yes Yes Yes Yes No MS 0.3	ns *** *** *** ns F (DFn, DFd)		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total Data summary	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 <0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2 0.1385 1.339	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes No MS 0.3	ns *** *** *** ns F (DFn, DFd)		
shTERT-A vs. shTERT-B shTERT-A vs. shTERT-A + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT shTERT-A + TERT vs. shTERT-B + TERT shTERT-A + TERT vs. shTERT-B + TERT PKM2 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's test Bartlett's statistic (corrected) P value P value summary Significantly different standard deviations? (P < 0.05) ANOVA table Treatment (between columns) Residual (within columns) Total	0.06456 -0.6987 -0.4943 -0.7632 -0.5589 0.2043 21.66 < 0.0001 **** Yes 0.8965 1.137 (4, 10 0.3932 ns No SS 1.2 0.1385	-0.2627 to 0.3919 -1.026 to -0.3714 -0.8217 to -0.1670 -1.091 to -0.4359 -0.8862 to -0.2316 -0.1230 to 0.5316	No Yes Yes Yes Yes No MS 0.3	ns *** *** *** ns F (DFn, DFd)		

Number of values (total)	15					
Number of families	1					
Number of comparisons per family	10					
Alpha	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary		
shControl vs. shTERT-A	0.3533	0.03699 to 0.6695	Yes	*		
shControl vs. shTERT-B	0.4049	0.08862 to 0.7212	Yes	*		
shControl vs. shTERT-A +TERT		-0.5917 to 0.04084	No	ns		
shControl vs. shTERT-B +TERT		-0.5378 to 0.09474	No	ns		
shTERT-A vs. shTERT-B		-0.2646 to 0.3679	No	ns		
shTERT-A vs. shTERT-A +TERT		-0.9450 to -0.3124	Yes	***		
shTERT-A vs. shTERT-B +TERT		-0.8911 to -0.2585	Yes	***		
shTERT-B vs. shTERT-A +TERT		-0.9966 to -0.3640	Yes	***		
shTERT-B vs. shTERT-B +TERT		-0.9427 to -0.3101	Yes	***		
shTERT-A +TERT vs. shTERT-B +TERT		-0.2624 to 0.3702	No	ns		
ONTERT TO TERT VO. SITTERT B TTERT	0.0000	0.202110 0.0702	140	110		
EXOSC2						
LAOSCZ						
ANOVA summon					-	
ANOVA summary	45.04				-	
P volue	45.94				-	
P value	< 0.0001				 	
P value summary					 	ļ
Are differences among means statistically significant? (P < 0.05)	Yes				 	ļ
R square	0.9484					
						
Brown-Forsythe test	0.05	10)				
F (DFn, DFd)	0.9306 (4, 1				ļ	
P value	0.4843					
P value summary	ns					
Significantly different standard deviations? (P < 0.05)	No					
Bartlett's test						
Bartlett's statistic (corrected)						
P value						
P value summary						
Significantly different standard deviations? (P < 0.05)						
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value	
Treatment (between columns)	0.6278			F (4, 10) = 45.94	P < 0.0001	
Residual (within columns)	0.03416	10		1 (1, 10) 10.01	1 - 0.0001	
			0.003416			
Total	0.662	14	0.003416			
Total			0.003416			
Total Data summary	0.662		0.003416			
Total Data summary Number of treatments (columns)	0.662		0.003416			
Total Data summary	0.662		0.003416			
Total Data summary Number of treatments (columns) Number of values (total)	0.662 5 15		0.003416			
Total Data summary Number of treatments (columns) Number of values (total) Number of families	0.662 5 15	14	0.003416			
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family	0.662 5 15 1 1	14	0.003416			
Total Data summary Number of treatments (columns) Number of values (total) Number of families	0.662 5 15	14	0.003410			
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha	0.662 5 15 1 1 0.05	14				
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family	0.662 5 15 1 1 0.05	14	Significant?	Summary		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test	0.662 5 15 1 1 0.05 Mean Diff.	95% CI of diff.	Significant?			
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A	0.662 5 15 1 1 0.05 Mean Diff.	95% CI of diff. 0.1687 to 0.4828	Significant?	***		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413	Significant? Yes Yes	***		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-A+TERT	0.662 5 15 1 1 0.05 Mean Diff. 0.3257 0.3843 -0.128	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906	Significant? Yes Yes No	*** **** NS		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT	0.662 5 15 1 1 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301	Significant? Yes Yes No No	*** **** NS NS		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.4413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156	Significant? Yes Yes No No	*** **** ns ns ns		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shCentrol vs. shTERT-B shCentrol vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967	Significant? Yes Yes No No No No Yes	*** **** IS		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shCentrol vs. shTERT-B+TERT shTERT-A vs. shTERT-B	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956	Significant? Yes Yes No No No No Yes Yes Yes	*** **** IS IS IS IS IS ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B +TERT shControl vs. shTERT-B +TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.4537 -0.3527 -0.5123	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552	Significant? Yes Yes No No No No Yes Yes Yes Yes Yes	*** **** INS INS INS **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shCentrol vs. shTERT-B+TERT shTERT-A vs. shTERT-B	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.4537 -0.3527 -0.5123	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956	Significant? Yes Yes No No No No Yes Yes Yes	*** **** IS IS IS IS IS ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B +TERT shControl vs. shTERT-B +TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552	Significant? Yes Yes No No No No Yes Yes Yes Yes Yes	*** **** INS INS INS **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B+TERT shTERT-A vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B+TERT shTERT-A vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B+TERT shControl vs. shTERT-B+TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B+TERT shTERT-A vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 -0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-B + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value summary	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.5123 -0.4113 0.101 7.248 0.0052	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B + TERT	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value summary	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.5123 -0.4113 0.101 7.248 0.0052	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT shTERT-A + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs. shTERT-B + TERT shTERT-A + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% CI of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.3552 -0.5683 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B + TERT shTERT-B vs. shTERT-B vs. shTERT-B + TERT shTERT-B vs. shTERT-B v	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-A +TERT vs. shTERT-B+TERT shTERT-A +TERT vs. shTERT-B+TERT MCM6 ANOVA summary F P value P value Brown-Forsythe test F (DFn, DFd) P value Brown-Forsythe test F (DFn, DFd) P value	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-A + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value summary Re differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B+TERT shTERT-A +TERT vs. shTERT-B+TERT shTERT-A +TERT vs. shTERT-B+TERT MCM6 ANOVA summary F P value P value Brown-Forsythe test F (DFn, DFd) P value Brown-Forsythe test F (DFn, DFd) P value	0.662 5 15 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B + TERT shTERT-CA + TERT vs. shTERT-B + TERT shTERT-CA + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05)	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B + TERT shTERT-A + TERT vs. shTERT-B + TERT MCM6 ANOVA summary F P value P value Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-B vs. shTERT-B +TERT shTERT-A +TERT vs. shTERT-B +TERT MCM6 ANOVA summary F P value P value summary Are differences among means statistically significant? (P < 0.05) R square Brown-Forsythe test F (DFn, DFd) P value P value summary Significantly different standard deviations? (P < 0.05) Bartlett's test Bartlett's statistic (corrected)	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-A vs. shTERT-B shTERT-B vs. shTERT-B+TERT shTERT-B vs. shTERT-B-TERT sh	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		
Total Data summary Number of treatments (columns) Number of values (total) Number of families Number of comparisons per family Alpha Tukey's multiple comparisons test shControl vs. shTERT-A shControl vs. shTERT-B shControl vs. shTERT-B + TERT shControl vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-A vs. shTERT-B + TERT shTERT-B vs.	0.662 5 15 11 10 0.05 Mean Diff. 0.3257 0.3843 -0.128 -0.02698 0.05855 -0.4537 -0.3527 -0.5123 -0.4113 0.101 7.248 0.0052 ** Yes 0.7435	95% Cl of diff. 0.1687 to 0.4828 0.2272 to 0.5413 -0.2851 to 0.02906 -0.1840 to 0.1301 -0.09851 to 0.2156 -0.6108 to -0.2967 -0.5098 to -0.1956 -0.6693 to -0.2542 -0.05604 to 0.2581	Significant? Yes Yes No No No Yes Yes Yes Yes Yes	*** **** TS TS TS **** **** ****		

Circuitionally, different standard deviations 2 (D + 0.05)			1		1 1	
Significantly different standard deviations? (P < 0.05)					 	
ANOVA toble	00	DE	MC	E (DE= DE4)	Duelue	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value	
Treatment (between columns)	0.6358	4		F (4, 10) = 7.248	P = 0.0052	
Residual (within columns)	0.2193	10	0.02193			
Total	0.8551	14				
Data summary						
Number of treatments (columns)	5					
Number of values (total)	15					
Number of families	1					
Number of comparisons per family	10					
Alpha	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary		
			J	,		
shControl vs. shTERT-A	0.2131	-0.1848 to 0.6111	No	ns		
shControl vs. shTERT-B		0.01237 to 0.8083	Yes	*		
shControl vs. shTERT-A +TERT		-0.5760 to 0.2199	No	ne		
			No	ns	+ +	
shControl vs. shTERT-B +TERT		-0.4281 to 0.3678		ns	+ +	
shTERT-A vs. shTERT-B		-0.2008 to 0.5951	No	ns	├	
shTERT-A vs. shTERT-A +TERT		-0.7892 to 0.006713	No	ns	ļ	
shTERT-A vs. shTERT-B +TERT		-0.6412 to 0.1547	No	ns	ļ	
shTERT-B vs. shTERT-A +TERT		-0.9863 to -0.1905	Yes	**		
shTERT-B vs. shTERT-B +TERT	-0.4405	-0.8384 to -0.04251	Yes	*	T	
shTERT-A +TERT vs. shTERT-B +TERT	0.1479	-0.2500 to 0.5459	No	ns		
						-
MYBBP1A						
	1		İ		1	
ANOVA summary	1		1			
F	11.51				 	
P value	0.0009					

P value summary						
Are differences among means statistically significant? (P < 0.05)	Yes					
R square	0.8215					
Brown-Forsythe test						
F (DFn, DFd)	2.284 (4, 10))				
P value	0.132					
P value summary	ns					
Significantly different standard deviations? (P < 0.05)	No					
Bartlett's test						
Bartlett's statistic (corrected)						
P value						
P value summary						
Significantly different standard deviations? (P < 0.05)	t		1		 	
organicanity unicient standard deviations? (F < 0.05)	 		1		+ +	
ANOVA telle	00	DE	MC	E (DE- DE-1)	D.u.s.	
ANOVA table	SS	DF	MS	F (DFn, DFd)	P value	
Treatment (between columns)	0.9369	4		F (4, 10) = 11.51	P = 0.0009	
Residual (within columns)	0.2036	10	0.02036			
Total	1.14	14				
Data summary						
Number of treatments (columns)	5					
Number of values (total)	15		1			
			İ		† †	
Number of families	1		İ			
Number of comparisons per family	10					
Alpha	0.05		 		 	
ліріі	0.05		1		 	
Tukov'a multipla comparisona tast	Moor Diff	DE0/. CL of d:ff	Cignificanto	Summan/	+ +	
Tukey's multiple comparisons test	wean Diff.	95% CI of diff.	Significant?	ouillilary	 	
ali Ocatal contribution		0.00070: 0.====	L		 	
shControl vs. shTERT-A		-0.03879 to 0.7280	No	ns		
shControl vs. shTERT-B		0.02671 to 0.7935	Yes	×	1	
shControl vs. shTERT-A +TERT		-0.5475 to 0.2193	No	ns		
shControl vs. shTERT-B +TERT	-0.1795	-0.5629 to 0.2039	No	ns		
			No	ns		
shTERT-A vs. shTERT-B	0.0655	-0.3179 to 0.4489	INU			
				**	i	
shTERT-A vs. shTERT-A +TERT	-0.5087	-0.8921 to -0.1253	Yes			
shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT	-0.5087 -0.5241	-0.8921 to -0.1253 -0.9075 to -0.1407	Yes Yes	**		
shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT shTERT-B vs. shTERT-A +TERT	-0.5087 -0.5241 -0.5742	-0.8921 to -0.1253 -0.9075 to -0.1407 -0.9576 to -0.1908	Yes Yes Yes	**		
shTERT-A vs. shTERT-A +TERT shTERT-A vs. shTERT-B +TERT	-0.5087 -0.5241 -0.5742 -0.5896	-0.8921 to -0.1253 -0.9075 to -0.1407	Yes Yes	**		

Statistics for Figure 4A								
HK2								
ANOVA summary								
F	18.65							
P value	< 0.0001							
P value summary	****							
Are differences among means statistical								
R square	0.7132							
Brown-Forsythe test								
F (DFn, DFd)	1.445 (2, 15	5)						
P value	0.2667	<u> </u>						
P value summary	ns							
Significantly different standard deviation	No							
Bartlett's test								
Bartlett's statistic (corrected)	3.915							
P value	0.1412							
P value summary	ns							
Significantly different standard deviation	No							
ANOVA table	00	DE	MC	E /DE: - DE	Director			
ANOVA table Treatment (between columns)	SS 0.4244	DF 2	MS 0.2122	F (DFn, DFo F (2, 15) = 1	P < 0.0004			
Residual (within columns)	0.4244			r (∠, 15) = ´	r < 0.0001			
Total	0.1700		0.01100					
Data summary								
Number of treatments (columns)	3							
Number of values (total)	18							
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary				
shControl vs. shTERT 1	0.3758	0.2158 to 0	Voc	****		A-B		
shControl vs. shTERT 1 + MYC		0.01400 to		*		A-C		
shTERT 1 vs. shTERT 1 + MYC		-0.3618 to -		*		B-C		
			5:5	0= 1				
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
shControl vs. shTERT 1	1.013	0.6369	0.3758	0.06158	6	6	8.63	15
shControl vs. shTERT 1 + MYC	1.013		0.1739		6			
shTERT 1 vs. shTERT 1 + MYC	0.6369		-0.2018	0.06158	6	6		
PGK1								
PGKI								
ANOVA summary								
F	15.89							
P value	0.0002							
P value summary	***							
Are differences among means statistical R square	yes 0.6794							
it square	0.0794							
Brown-Forsythe test								
F (DFn, DFd)	5.543 (2, 15							
P value	0.0158							
P value summary	*							
Significantly different standard deviation	res							
Bartlett's test								
Bartlett's statistic (corrected)	9.112							
P value	0.0105							
P value summary	*							
Significantly different standard deviatio								

	1			I		Г	1 1	
ANOVA table	SS	DF	MS	F (DFn, DF	D value			
	0.3994	2		F (2, 15) = 1				
Treatment (between columns)					P = 0.0002			
Residual (within columns)	0.1885		0.01256					
Total	0.5878	17						
Data summary								
Number of treatments (columns)	3							
Number of values (total)	18							
Transcr of values (total)	10							
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
Прпа	0.00							
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary				
randy a manapia companicana tost		0070 01 01 0	o.gourici	- Canniary				
shControl vs. shTERT 1	0.2902	0.1221 to 0.	Yes	**		A-B		
shControl vs. shTERT 1 + MYC		-0.2144 to 0		ns		A-C		
shTERT 1 vs. shTERT 1 + MYC		-0.5047 to -		***		B-C		
						_		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	
shControl vs. shTERT 1	1.002	0.7116	0.2902	0.06471	6	6	6.343	
shControl vs. shTERT 1 + MYC	1.002				6	6		
shTERT 1 vs. shTERT 1 + MYC	0.7116	1.048			6	6	7.356	
ALDOC								
ANOVA summary								
F	41.82							
P value	< 0.0001							
P value summary	****							
Are differences among means statistic	Yes							
R square	0.8479							
Brown-Forsythe test								
F (DFn, DFd)	0.8620 (2, 1	5)						
P value	0.4422							
P value summary	ns							
Significantly different standard deviation	No							
Bartlett's test								
Bartlett's statistic (corrected)	3.02							
P value	0.2209							
P value summary	ns							
Significantly different standard deviation	No							
ANOVA table	SS	DF	MS	F (DFn, DF				
Treatment (between columns)	0.5738	2		F (2, 15) = 4	P < 0.0001			
Residual (within columns)	0.1029		0.006861					
Total	0.6768	17						
Data								
Data summary								
Number of treatments (columns)	3							
Number of values (total)	18							
Number of foresting	-							
Number of families	1							
Number of comparisons per family	3						 	
Alpha	0.05						 	
Tukovia multipla aamaariaana ta-t	Moon Diff	050/ CL of -	Cignificant	Cummon			 	
Tukey's multiple comparisons test	імеап ЫП.	95% CI of d	oignificant?	ounmary			 	
abControl vo. abTEDT 4	0.0000	0.0704 +- 0	Voc	****		A D		
shControl vs. shTERT 1		0.2721 to 0				A-B	 	
shControl vs. shTERT 1 + MYC		-0.08619 to		ns ****		A-C	 	
shTERT 1 vs. shTERT 1 + MYC	-0.3583	-0.4825 to -	res			B-C		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff	n1	n2		
ical ucialia	IVICALI I	IVICALI Z	INICAN DIII.	JE UI UIII.	1111	114	1	

	ı	ı	ı	ı				1
1000	2 2211	0.5010						
shControl vs. shTERT 1	0.9811	0.5848			6	6		
shControl vs. shTERT 1 + MYC	0.9811	0.9431			6	6		
shTERT 1 vs. shTERT 1 + MYC	0.5848	0.9431	-0.3583	0.04782	6	6		
DVAA2								
PKM2								
ANOVA summary								
F	11.97							
P value	0.0009							
P value summary	***							
Are differences among means statistic	Yes							
R square	0.6311							
Drawing Forest the took								
Brown-Forsythe test F (DFn, DFd)	0.7607 (2, 1	/ /						
P value	0.4857	(4)						
P value summary	ns							
Significantly different standard deviation	No							
Bartlett's test								
Bartlett's statistic (corrected)	4.151							
P value	0.1255							
P value summary	ns							
Significantly different standard deviation								
ANOVA table	SS	DF	MS	F (DFn, DFc				
Treatment (between columns)	0.2527	2	0.1263	F(2, 14) = 1	P = 0.00009			
Residual (within columns)	0.1477	14	0.01055					
Total	0.4004	16						
Data summary								
Number of treatments (columns)	3							
Number of values (total)	17							
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
T	NA 5:00	050/ 01 6	0 10					
Tukey's multiple comparisons test	Mean Diπ.	95% CI of 0	Significant?	Summary				
shControl vs. shTERT 1	0.2609	0.1056 to 0.	Yes	**		A-B		
shControl vs. shTERT 1 + MYC		-0.1497 to 0		ns		A-C		
shTERT 1 vs. shTERT 1 + MYC	0.01314	-0.1497 to c	Voc	**		B-C		
SHERT IVS. SHERT I + WITC	-0.2411	-0.4103 10 -	165			D-C		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	
ahCantral va ahTEDT 1	4.00	0.0005	0.0000	0.0500			C 00	
shControl vs. shTERT 1	1.09	0.8295			6	6	6.22	
shControl vs. shTERT 1 + MYC	1.09				6	5	0.2988	
shTERT 1 vs. shTERT 1 + MYC	0.8295	1.077	-0.2477	0.0622	6	5	5.632	
LDHA								
ANOVA summary	10.0							
F Divolue	10.9							
P value	0.0025							
P value summary								
Are differences among means statistical R square	yes 0.6646							
T Square	0.0040							
Brown-Forsythe test								
F (DFn, DFd)	13.07 (2, 11)						
P value	0.0012							
P value summary	**							
Significantly different standard deviation	Yes							
, , , , , , , , , , , , , , , , , , , ,								
Bartlett's test								

Bartlett's statistic (corrected)								
P value								
P value summary								
Significantly different standard deviation	ns? (P < 0.0	5)						
ANOVA table	SS	DF	MS	F (DFn, DF				
Treatment (between columns)	0.2027	2	0.1013	F(2, 11) = 1	P = 0.0025			
Residual (within columns)	0.1023	11	0.009299					
Total	0.3049	13						
Data summary								
Number of treatments (columns)	3							
Number of values (total)	14							
Number of families	1							
Number of comparisons per family	3							
Alpha	0.05							
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary				
shControl vs. shTERT 1	0.2437	0.09335 to	Yes	**		A-B		
shControl vs. shTERT 1 + MYC	0.002388	-0.2103 to 0	No	ns		A-C		
shTERT 1 vs. shTERT 1 + MYC	-0.2413	-0.4540 to -	Yes	*		B-C		
Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
shControl vs. shTERT 1	1.013	0.7694	0.2437	0.05567	6	6	6.191	11
shControl vs. shTERT 1 + MYC	1.013	1.011	0.002388	0.07873	6	2	0.04289	11
shTERT 1 vs. shTERT 1 + MYC	0.7694	1.011	-0.2413	0.07873	6	2	4.335	11

Statistics for Figure S5G					
Cyclin D2					
ANOVA summary					
F	283.5				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically significant? (P < 0.05)	Yes				
R square	0.9793				
Brown-Forsythe test					
F (DFn, DFd)	7.435 (5, 30))			
P value	0.0001				
P value summary	***				
Significantly different standard deviations? (P < 0.05)	Yes				
D					
Bartlett's test	20.74				
Bartlett's statistic (corrected)	39.74 < 0.0001				
P value P value summary	< 0.0001 ****				
Significantly different standard deviations? (P < 0.05)	Yes				
organicality unforcing standard deviations: (1 < 0.00)	100				
ANOVA table	SS	DF	MS	F (DFn, DFc	P value
Treatment (between columns)	20.77	5		F(5, 30) = 2	
Residual (within columns)	0.4395	30		(-,, -	
Total	21.21	35			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	36				
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
T. I. W. I		0.50/ 01 6	0: :5 10		
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary	
Control vo MVC	0.0067	1 020 to 0	Vac	****	
Control vs. MYC Control vs. MYC MUT		-1.039 to -0 -0.02923 to			
Control vs. TERT		-1.443 to -1		ns ****	
Control vs. TERT + MYC		-2.119 to -1		****	
Control vs. TERT + MYC MUT		-0.2309 to 0		ns	
MYC vs. MYC MUT		0.7974 to 1		****	
MYC vs. TERT		-0.6159 to -		****	
MYC vs. TERT + MYC		-1.293 to -0		****	
MYC vs. TERT + MYC MUT		0.5958 to 1		****	
MYC MUT vs. TERT	-1.413	-1.626 to -1	Yes	****	
MYC MUT vs. TERT + MYC	-2.09	-2.303 to -1	Yes	****	
MYC MUT vs. TERT + MYC MUT		-0.4142 to 0		ns	
TERT vs. TERT + MYC	-0.6767	-0.8892 to -	Yes	****	
TERT vs. TERT + MYC MUT		0.9991 to 1		****	
TERT + MYC vs. TERT + MYC MUT	1.888	1.676 to 2.1	Yes	****	
DIVA 49					
PKM2					
ANOVA summany					
ANOVA summary	78.16				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically significant? (P < 0.05)	Yes				
R square	0.9287				
- 4	3.3201				
Brown-Forsythe test					
F (DFn, DFd)	2.449 (5, 30))			
P value	0.0564				
P value summary	ns				
Significantly different standard deviations? (P < 0.05)	No				
Bartlett's test					
Bartlett's statistic (corrected)	19.57				
P value	0.0015				

	ı	ı	ı	1	
P value summary	**				
Significantly different standard deviations? (P < 0.05)	Yes				
ANOVA table	SS	DF	MS	F (DFn, DFc	P value
Treatment (between columns)	11.11	5	2.221	F(5, 30) = 7	P < 0.0001
Residual (within columns)	0.8526	30	0.02842		
Total	11.96	35			
Data summary					
Number of treatments (columns)	6				
Number of values (total)	36				
Inditibel of values (total)	30				
Ni walan af familia					
Number of families	1				
Number of comparisons per family	15				
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary	
Control vs. MYC	-0.7333	-1.029 to -0	Yes	****	
Control vs. MYC MUT		-0.04271 to		ns	
Control vs. TERT		-1.178 to -0		****	
Control vs. TERT + MYC		-1.176 to -0		****	
Control vs. TERT + MYC MUT	0.2017	-0.03438 to	INU V	ns ****	
MYC vs. MYC MUT	0.9867	0.6906 to 1	res		
MYC vs. TERT	-0.1483	-0.4444 to 0	No	ns	
MYC vs. TERT + MYC		-0.6627 to -		**	
MYC vs. TERT + MYC MUT		0.6990 to 1		****	
MYC MUT vs. TERT	-1.135	-1.431 to -0	Yes	****	
MYC MUT vs. TERT + MYC	-1.353	-1.649 to -1	Yes	****	
MYC MUT vs. TERT + MYC MUT		-0.2877 to 0		ns	
TERT vs. TERT + MYC	-0.2183	-0.5144 to 0	No	ns	
TERT vs. TERT + MYC MUT		0.8473 to 1		****	
TERT + MYC vs. TERT + MYC MUT		1.066 to 1.6		****	
TERT + MYC VS. TERT + MYC MUT	1.362	1.066 to 1.6	res		
GAPDH					
ANOVA summary					
F	149.7				
P value	< 0.0001				
P value summary	****				
Are differences among means statistically significant? (P < 0.05)	Voo			1	
R square	0.9615				
Brown-Forsythe test					
F (DFn, DFd)	6.280 (5, 30))			
P value	0.0004				
P value summary	***				
Significantly different standard deviations? (P < 0.05)	Yes				
,				İ	
Bartlett's test				†	
Bartlett's statistic (corrected)	15.71			 	
P value	0.0077			+	
	**			_	
P value summary				 	
Significantly different standard deviations? (P < 0.05)	Yes	ļ	ļ	ļ	
					
ANOVA table	SS	DF	MS	F (DFn, DFc	
Treatment (between columns)	8.58	5	1.716	F(5, 30) = 1	P < 0.0001
Residual (within columns)	0.344	30	0.01147		
Total	8.924	35			
				1	
Data summary				1	
Number of treatments (columns)	6			 	
		1	1	-	
Number of values (total)	36			 	
N	ļ	ļ	ļ	-	
Number of families	1				
Number of comparisons per family	15			ļ	
Alpha	0.05				
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary	
			<u> </u>	,	
Control vs. MYC	-บ ดบชว	-1.096 to -0	Yes	****	
LOCITION VO. IVI I O	-0.9003	1.000 10 -0	100	l .	

Control vs. MYC MUT	-0.215 -0.4030 to - Yes *
Control vs. TERT	-1.112 -1.300 to -0 Yes ****
Control vs. TERT + MYC	-1.345 -1.533 to -1 Yes ****
Control vs. TERT + MYC MUT	-0.4117 -0.5997 to - Yes ****
MYC vs. MYC MUT	0.6933 0.5053 to 0 Yes ****
MYC vs. TERT	-0.2033 -0.3914 to - Yes *
MYC vs. TERT + MYC	-0.4367 -0.6247 to - Yes ****
MYC vs. TERT + MYC MUT	0.4967 0.3086 to 0 Yes ****
MYC MUT vs. TERT	-0.8967 -1.085 to -0 Yes ****
MYC MUT vs. TERT + MYC	-1.13 -1.318 to -0 Yes ****
MYC MUT vs. TERT + MYC MUT	-0.1967 -0.3847 to - Yes *
TERT vs. TERT + MYC	-0.2333 -0.4214 to - Yes **
TERT vs. TERT + MYC MUT	0.7 0.5120 to 0 Yes ****
TERT + MYC vs. TERT + MYC MUT	0.9333 0.7453 to 1 Yes ****

Statistics for Figure S6C						
Cyclin D1						
Cyclin D1						
ANOVA summary						
P value	70.47 < 0.0001					
P value summary	****					
Are differences among means statistically significant? (P	Yes					
R square	0.9514					
Brown-Forsythe test						
F (DFn, DFd)	1.811 (5, 18	3)				
P value	0.1614					
P value summary	ns					
Significantly different standard deviations? (P < 0.05)	No					
Bartlett's test						
Bartlett's statistic (corrected)	11.09					
P value	0.0495					
P value summary Significantly different standard deviations? (P < 0.05)	* Yes					
organicality different standard deviations: (1 < 0.00)	100					
ANOVA table	SS	DF	MS	F (DFn, DF		
Treatment (between columns)	9.22	5		F (5, 18) = 7	P < 0.0001	
Residual (within columns) Total	0.471 9.691	18	0.02617			
Total	9.091					
Data summary						
Number of treatments (columns)	6					
Number of values (total)	24					
Number of families	1					
Number of comparisons per family	15					
Alpha	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CL of d	Significant?	Summary		
Tukey a multiple companisons test	WCarr Dill.	0070 01 01 0	Olgriniourit:	Cummary		
shControl + Vector vs. shControl + MYC	-0.3138	-0.6773 to 0	No	ns		
shControl + Vector vs. shControl + MYC T58A		-1.076 to -0		****		
shControl + Vector vs. shTERT + Vector shControl + Vector vs. shTERT + MYC		0.04670 to 0		ne		
shControl + Vector vs. shTERT + MYC T58A		-1.923 to -1		ns ****		
shControl + MYC vs. shControl + MYC T58A	-0.399	-0.7625 to -	Yes	*		
shControl + MYC vs. shTERT + Vector		0.3605 to 1		****		
shControl + MYC vs. shTERT + MYC shControl + MYC vs. shTERT + MYC T58A		-0.2548 to 0		ns ****		
shControl + MYC T58A vs. shTERT + Vector		0.7595 to 1		****		
shControl + MYC T58A vs. shTERT + MYC		0.1442 to 0		**		
shControl + MYC T58A vs. shTERT + MYC T58A		-1.211 to -0		***		
shTERT + Vector vs. shTERT + MYC		-0.9788 to -		***		
shTERT + Vector vs. shTERT + MYC T58A shTERT + MYC vs. shTERT + MYC T58A		-2.334 to -1 -1.718 to -0		***		
eif2A						
ANOVA summary						
F	40.05					
P value	< 0.0001					
P value summary Are differences among means statistically significant? (P						
R square	0.9175					
	2.30					
Brown-Forsythe test	0.007./-					
F (DFn, DFd) P value	2.825 (5, 18 0.047					
P value P value summary	*					
Significantly different standard deviations? (P < 0.05)	Yes					
Bartlett's test Bartlett's statistic (corrected)	15 10					
P value	15.12 0.0099					
P value summary	**					
Significantly different standard deviations? (P < 0.05)	Yes					

	1	1	1	1	1	
ANOVA table	cc	DE	MC	L (DC- DC	Dyelica	
ANOVA table Treatment (between columns)	SS 0 207	DF 5	MS 1 677	F (DFn, DF) F (5, 18) = 4		
Residual (within columns)	8.387 0.7539	18	0.04188	F(5, 18) = 2	P < 0.0001	
Total	9.141	23	0.04166			
Total	3.141	23				
Data summary						
Number of treatments (columns)	6					
Number of values (total)	24					
Number of families	1					
Number of comparisons per family	15					
Alpha	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary		
shControl + Vector vs. shControl + MYC	0.1910	0 6419 to 0	No	no.		
shControl + Vector vs. shControl + MYC T58A		-0.6418 to 0		ns ****		
shControl + Vector vs. shTERT + Vector		-0.01605 to		ns		
shControl + Vector vs. shTERT + MYC		-0.3530 to 0		ns		
shControl + Vector vs. shTERT + MYC T58A		-1.537 to -0		****		
shControl + MYC vs. shControl + MYC T58A		-1.397 to -0		***		
shControl + MYC vs. shTERT + Vector		0.1659 to 1.		**		
shControl + MYC vs. shTERT + MYC		-0.1711 to 0		ns		
shControl + MYC vs. shTERT + MYC T58A		-1.355 to -0		****		
shControl + MYC T58A vs. shTERT + Vector	1.563	1.103 to 2.0	Yes	****		
shControl + MYC T58A vs. shTERT + MYC	1.226	0.7661 to 1.	Yes	****		
shControl + MYC T58A vs. shTERT + MYC T58A	0.0425	-0.4174 to 0	No	ns		
shTERT + Vector vs. shTERT + MYC		-0.7969 to 0		ns		
shTERT + Vector vs. shTERT + MYC T58A		-1.980 to -1		****		
shTERT + MYC vs. shTERT + MYC T58A	-1.184	-1.643 to -0	Yes	****		
1101						
NCL						
ANOVA summer:						
ANOVA summary	35.89					
P value	< 0.0001					
P value summary	****					
Are differences among means statistically significant? (F	Yes					
R square	0.9088					
•						
Brown-Forsythe test						
F (DFn, DFd)	3.726 (5, 18					
P value	0.0172					
P value summary	*					
Significantly different standard deviations? (P < 0.05)	Yes					
D-41-44-4-4						
Bartlett's test Bartlett's statistic (corrected)	40.07					
P value	19.97 0.0013					
P value summary	**					
Significantly different standard deviations? (P < 0.05)	Yes					
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
ANOVA table	SS	DF	MS	F (DFn, DF	P value	
Treatment (between columns)	10.75	5		F (5, 18) = 3		
Residual (within columns)	1.078		0.05989			
Total	11.83	23				
Data summary						
Number of treatments (columns)	6					
Number of values (total)	24					
Number of families						
Number of families	1 15					
Number of comparisons per family Alpha	0.05					
Δίγια	0.05					
Tukey's multiple comparisons test	Mean Diff.	95% CI of d	Significant?	Summary		
randy o manapid companious test	moun Dill.	3070 OI 0I U	organicant!	Juninary		
shControl + Vector vs. shControl + MYC	-0.4684	-1.018 to 0.	No	ns		
shControl + Vector vs. shControl + MYC T58A		-1.795 to -0		****		
shControl + Vector vs. shTERT + Vector		-0.06000 to		ns		
shControl + Vector vs. shTERT + MYC		-0.6116 to 0		ns		
shControl + Vector vs. shTERT + MYC T58A		-1.904 to -0		****		
shControl + MYC vs. shControl + MYC T58A	-0.7771	-1.327 to -0	Yes	**		
				-		

shControl + MYC vs. shTERT + Vector	0.9583	0.4084 to 1	Yes	***	
shControl + MYC vs. shTERT + MYC	0.4067	-0.1432 to 0	No	ns	
shControl + MYC vs. shTERT + MYC T58A	-0.8859	-1.436 to -0	Yes	***	
shControl + MYC T58A vs. shTERT + Vector	1.735	1.186 to 2.2	Yes	****	
shControl + MYC T58A vs. shTERT + MYC	1.184	0.6339 to 1	Yes	****	
shControl + MYC T58A vs. shTERT + MYC T58A	-0.1087	-0.6587 to 0	No	ns	
shTERT + Vector vs. shTERT + MYC	-0.5516	-1.102 to -0	Yes	*	
shTERT + Vector vs. shTERT + MYC T58A	-1.844	-2.394 to -1	Yes	****	
shTERT + MYC vs. shTERT + MYC T58A	-1.293	-1.843 to -0	Yes	****	

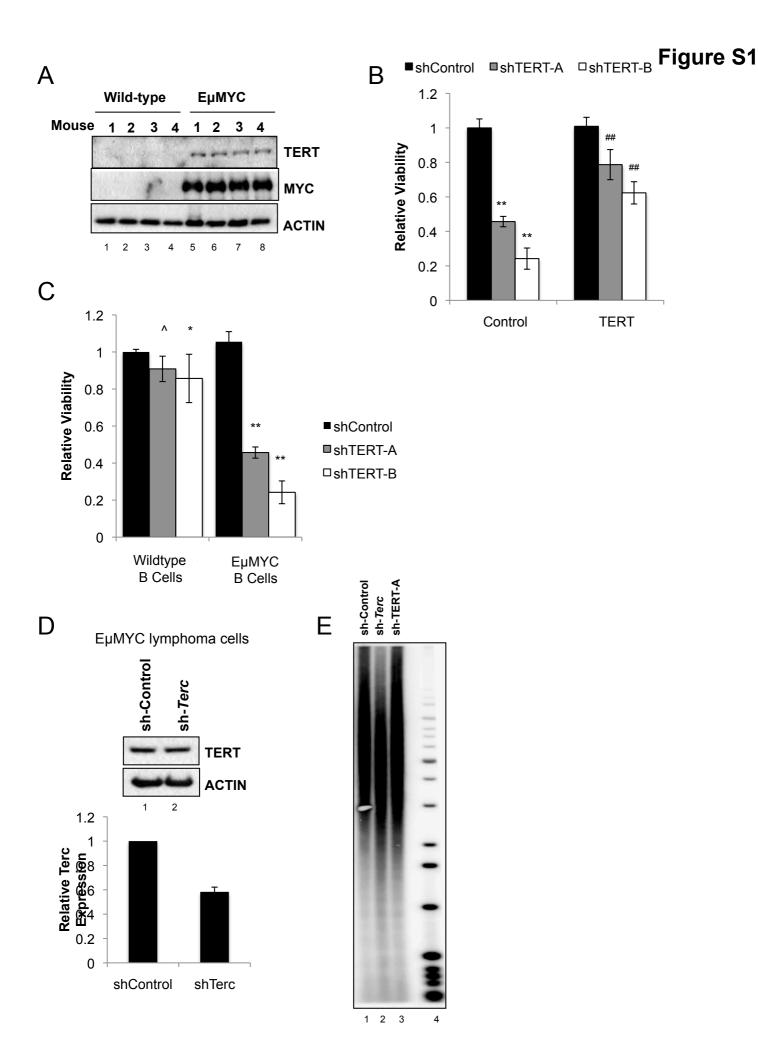
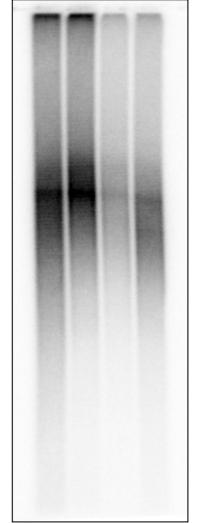


Figure S2

EµMYC TERT +/+
EµMYC TERT -/EµMYC TERT -/-



В

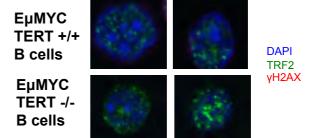


Figure S3 A В -WT Input -WT -Tert -/--WT Input -WT -Tert -/-MA M RPM -WT Input -WT -Tert -/-APM M RPM RPM -Input
-shControl
-shTerc
-shTert -WT Input -WT -Tert -/-RPM RPM -WT Input -WT -Tert -/-RPM RPM - Input - shControl - shTerc - shTert Input
shControl
shTerc
shTert -WT Input -WT -Tert -/-RPM RPM Input
shControl
shTerc
shTert -WT Input -WT -Tert -/-RPM RPM -WT Input -WT -Tert -/--WT Input -WT -Tert -/-RPM MPR BPM C D shControl shControl 0.14 shTERT 1 1.2 shTERT 1 shTERT 2 shTERT 2 ■shTERT 3 0.12 ## shTERT 3 1.0 shTERT 3 + TERT WT shTERT 3 + TERT WT
shTERT 3 + TERT DN shTERT 3 + TERT DN 0.10 8.0 9.0 % Input 8.0 % 80.0 % lubrit with the second ## ## 0.4 0.04 Ι I I 0.2 0.02

0.00

elF2α

H1

H4

0.0

Nucleolin

Cyclin D1

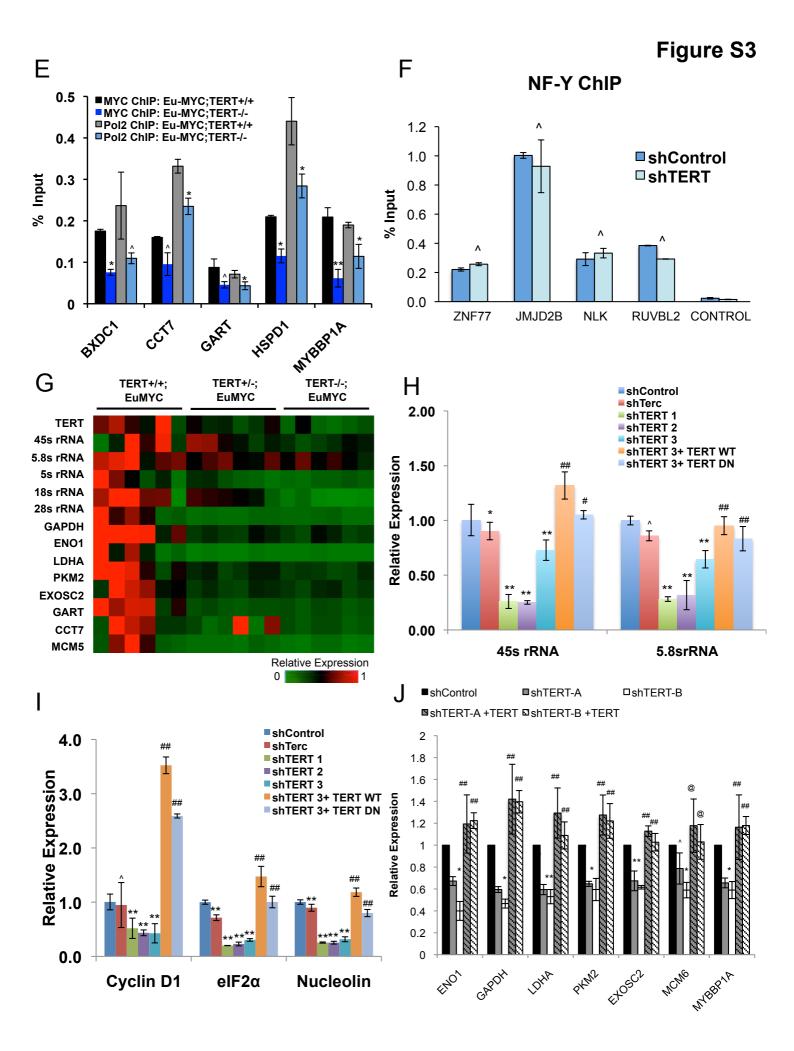
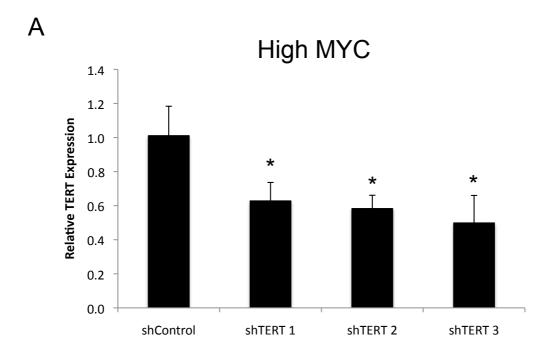


Figure S4



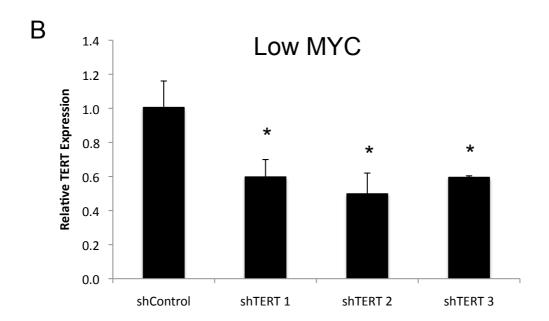
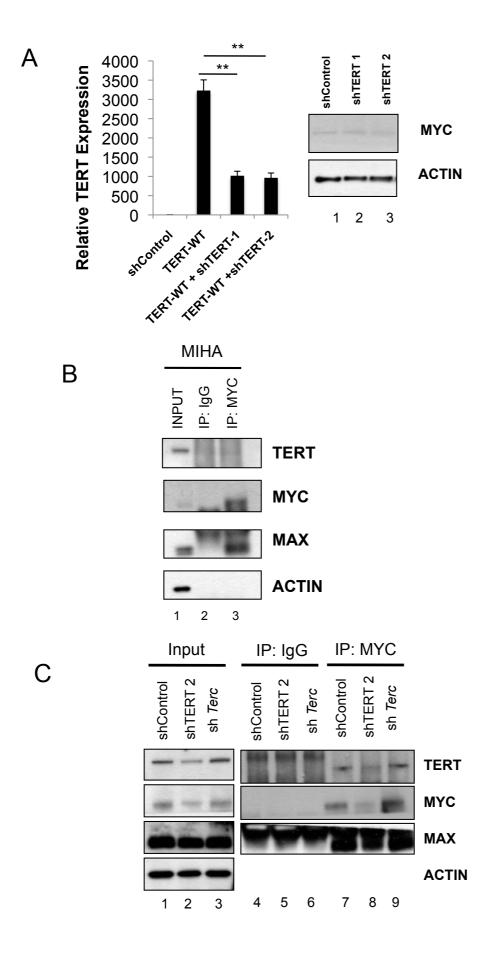


Figure S5



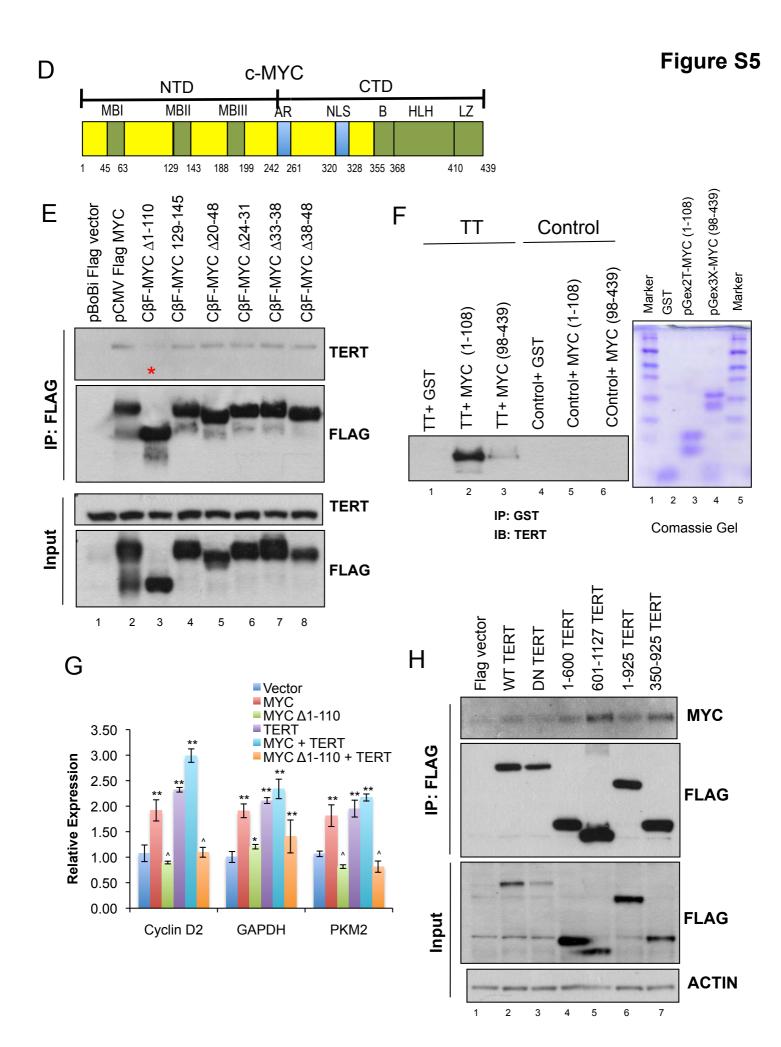


Figure S6

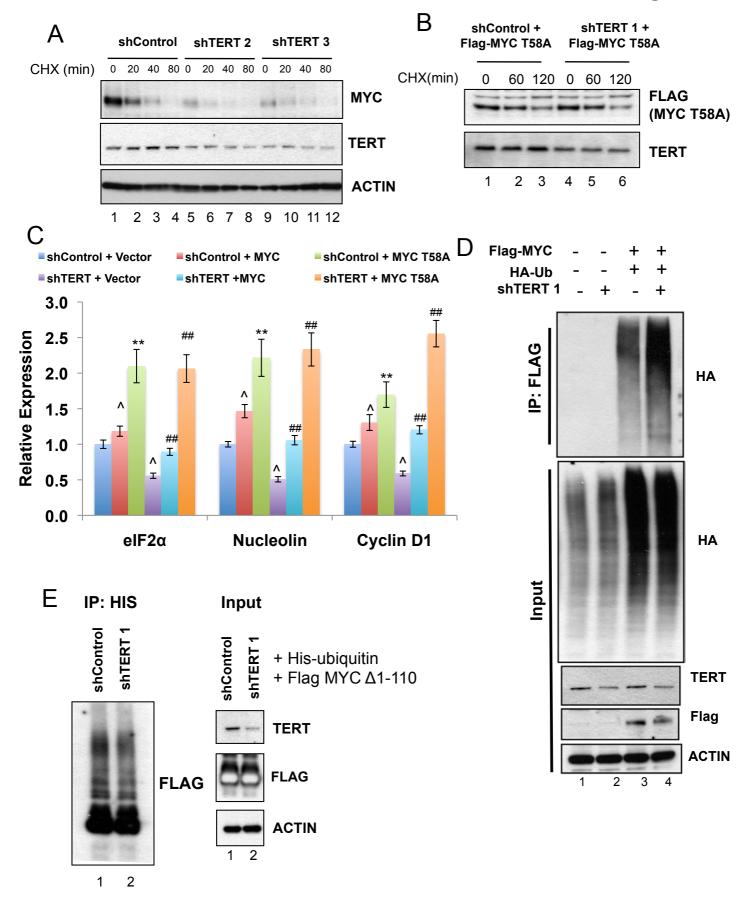


Figure S7

