

**S5 Fig. Analyses of cell cell cycle genes after Lnc03 knock down.** MIN6 cells were transfected with siLnc03 or siCtr and subjected to 500ng/ml prolactin for 24h. Gene expression was normalized to siCtr treated cells. Differential gene expression was not enriched in any particular annotated group (Fisher's exact test).

**S5 Fig**

Gene Symbol	Protein class	Fold change	P-Value	Significant P-Value	Relative change
Cdkn3	G1 Phase & G1/S Transition	-1.35	0.026	✓	
Myb	G1 Phase & G1/S Transition	-1.47	0.060		
Gpr132	G1 Phase & G1/S Transition	-1.16	0.110		
Slfn1	G1 Phase & G1/S Transition	-1.14	0.110		
Cdk6	G1 Phase & G1/S Transition	-1.06	0.112		
Itgb1	G1 Phase & G1/S Transition	-1.18	0.126		
Chek1	G2 Phase & G2/M Transition	-1.18	0.151		
Birc5	G2 Phase & G2/M Transition	-1.14	0.180		
Ppm1d	G2 Phase & G2/M Transition	-1.08	0.549		
Wee1	M Phase	1.07	0.004	✓	
Cdc25c	M Phase	-1.25	0.005	✓	
Shc1	M Phase	-1.26	0.008	✓	
Cdc20	M Phase	-1.42	0.021	✓	
Ccna1	M Phase	-1.40	0.034	✓	
Terf1	M Phase	-1.18	0.075		
Cdk2	M Phase	-1.11	0.099		
Cdc25a	M Phase	-1.20	0.105		
Stmn1	M Phase	-1.05	0.111		
Brca2	M Phase	1.86	0.222		
Nek2	M Phase	-1.08	0.299		
Rad21	M Phase	-1.07	0.384		
Ran	M Phase	-1.05	0.489		
Ccnb1	M Phase	-1.03	0.651		
Stag1	M Phase	-1.02	0.821		
Smc1a	M Phase	1.01	0.847		
Cdk1	M Phase	1.00	0.922		
Aurkb	M Phase	1.00	0.934		
Gadd45a	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.13	0.020	✓	
Casp3	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.36	0.021	✓	
Atr	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.40	0.021	✓	
Rb1	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.40	0.028	✓	
Mad2l1	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.26	0.067		
Cdkn2a	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.26	0.079		
Dst	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.27	0.095		
Notch2	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.13	0.101		
Pmp22	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.14	0.150		
Tsg101	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.04	0.150		
Nbn	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.05	0.162		
Hus1	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.14	0.172		
Cdkn2b	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.14	0.183		
Sfn	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.06	0.188		
Rad9a	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.18	0.247		
Mdm2	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.08	0.294		
Pkd1	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.10	0.349		
Cdkn1b	Cell Cycle Checkpoint & Cell Cycle Arrest	1.05	0.520		
Cks1b	Cell Cycle Checkpoint & Cell Cycle Arrest	1.04	0.600		
Ddit3	Cell Cycle Checkpoint & Cell Cycle Arrest	-1.04	0.639		
Chek2	Cell Cycle Checkpoint & Cell Cycle Arrest	1.05	0.771		
Cdk5rap1	Cell Cycle Checkpoint & Cell Cycle Arrest	1.01	0.864		
Cdkn1a	Cell Cycle Checkpoint & Cell Cycle Arrest	1.01	0.901		

Gene Symbol	Protein class	Fold change	P-Value	Significant P-Value	Relative change
Ccnd1	Regulation of the Cell Cycle	-1.30	0.008	✓	
Abl1	Regulation of the Cell Cycle	-1.29	0.024	✓	
Ccna2	Regulation of the Cell Cycle	-1.32	0.034	✓	
Aurka	Regulation of the Cell Cycle	-1.33	0.048	✓	
Bcl2	Regulation of the Cell Cycle	-1.28	0.066		
Ccnd3	Regulation of the Cell Cycle	-1.25	0.068		
Skp2	Regulation of the Cell Cycle	-1.12	0.081		
E2f2	Regulation of the Cell Cycle	1.12	0.082		
Ccnd2	Regulation of the Cell Cycle	-1.17	0.083		
E2f3	Regulation of the Cell Cycle	-1.16	0.132		
Ccnf	Regulation of the Cell Cycle	-1.11	0.135		
Ccne1	Regulation of the Cell Cycle	-1.21	0.138		
E2f1	Regulation of the Cell Cycle	1.06	0.299		
Tfdp1	Regulation of the Cell Cycle	-1.12	0.322		
Ccnb2	Regulation of the Cell Cycle	1.16	0.378		
E2f4	Regulation of the Cell Cycle	-1.17	0.422		
Cdk4	Regulation of the Cell Cycle	-1.54	0.864		
Ccnc	Regulation of the Cell Cycle	-1.01	0.925		
Atm	Negative Regulation of the Cell Cycle	-1.43	0.024	✓	
Trp53	Negative Regulation of the Cell Cycle	-1.23	0.231		
Brca1	Negative Regulation of the Cell Cycle	-1.10	0.341		
Rbl2	Negative Regulation of the Cell Cycle	-1.09	0.398		
Trp63	Negative Regulation of the Cell Cycle	-1.02	0.677		
Rbl1	Negative Regulation of the Cell Cycle	-1.02	0.821		
Mki67	Other	-1.37	0.015	✓	
Msh2	Other	-1.46	0.017	✓	
Cdc6	Other	-1.27	0.037	✓	
Cdc7	Other	-1.20	0.046	✓	
Rad17	Other	-1.18	0.051		
Mcm2	Other	-1.14	0.117		
Mre11a	Other	-1.48	0.290		
Mcm4	Other	-1.38	0.640		
Mcm3	Other	-1.03	0.711		
Rad51	Other	-1.02	0.792		
B2m	Housekeeping gene	-1.22	0.0527		
Gapdh	Housekeeping gene	-1.07	0.175		
Gusb	Housekeeping gene	-1.11	0.297		
Hsp90ab1	Housekeeping gene	-1.06	0.447		
Actb	Housekeeping gene	-1.05	0.487		