

Suppl. Figure 5A. Expression changes (\log_2FC) in selected mRNAs revealed by gene expression profiling analysis, after treatment with dilazep (50 μ M for 48 hrs) in parental LNCaP, (LNCaP)-Abl and (LNCaP)-MDVR cells (adjusted $P < 0.05$). The transcriptional signature caused by dilazep treatment was highly concordant between our three cell line models. The last column highlights genes whose expression was suppressed by GATA2 siRNA in LNCaP cells.

Gene	LNCaP	Abl	MDVR	Function	Suppressed by GATA2 siRNA
KLK3	-0.612	N/A		Canonical AR target gene	Yes
HK2	-0.472			Canonical AR target gene	Yes
INPP4B	-0.548			Canonical AR target gene	Yes
CCNA2	-1.476	-1.718	-1.047	Cell cycle regulator	Yes
CDC20	-0.869	-2.413	-1.153	Cell cycle regulator	Yes
CEP55	-1.047	-2.226	-0.887	Cell cycle regulator	Yes
CENPF	-0.661	-1.704	-1.111	Cell cycle regulator	Yes
CCNB2	-1.37	-2.655	-1.376	Cell cycle regulator	Yes
NUSAP1	-1.671	-2.962	-1.091	Cell cycle regulator	Yes
CENPE	-0.994	-1.242	-1.022	Cell cycle regulator	Yes
AURKB	-0.571	-2.055	-0.756	Cell cycle regulator	Yes
FOXM1	-0.858	-1.676	-0.721	Cell cycle regulator	Yes
AURKA	-1.024	-2.174	-1.26	Cell cycle regulator	Yes
UHRF1	-1.218	-2.232	-0.434	Cell cycle regulator	Yes
MYC	-1.08	-1.73	-0.586	Cell cycle regulator	Yes
CCNE2	-0.815	-1.536	NS	Cell cycle regulator	Yes
SKP2	-0.834	-1.115	-0.443	Cell cycle regulator	Yes
NEK2	-1.355	-2.989	-1.306	Cell cycle regulator	Yes
UBE2C	-1.621	-3.225	-1.46	Cell cycle regulator	Yes
EZH2	-0.386	-0.738	-0.448	Cell cycle regulator	Yes
DLGAP5	-1.603	-2.014	-1.293	Cell cycle regulator	Yes
TM4SF1	-1.82	-1.485	-1.17	Cell cycle regulator	Yes
ATAD2	-1.05	-1.849	-0.792	Cell cycle regulator	Yes
CDCA2	NS	-0.78	-0.512	Cell cycle regulator	Yes
CCNB1	-0.999	-1.805	-0.984	Cell cycle regulator	Yes
CENPM	-0.635	-2.023	-0.613	Cell cycle regulator	Yes
CENPA	-0.887	-1.362	-0.707	Cell cycle regulator	Yes
CDCA3	-0.905	-2.244	-1.043	Cell cycle regulator	Yes
CDC25C	-0.482	-0.901	-0.657	Cell cycle regulator	Yes
CENPH	-0.937	-1.192	-0.623	Cell cycle regulator	No
BIRC5	-0.507	-2.133	-0.96	Cell survival	Yes
TOP2A	-1.171	-2.449	-1.207	DNA Replication, Recombination, and Repair	Yes
FANCI	-0.805	-2.184	-0.525	DNA Replication, Recombination, and Repair	Yes
BRCA1	NS	-1.467	-0.411	DNA Replication, Recombination, and Repair	Yes
CHEK2	-0.807	-1.341	-0.453	DNA Replication, Recombination, and Repair	Yes
MDC1	-0.451	-1.874	-0.766	DNA Replication, Recombination, and Repair	Yes
RRM2	-0.435	-0.799	-0.364	DNA Replication, Recombination, and Repair	Yes
RAD51AP1	-1.284	-2.399	-1.087	DNA Replication, Recombination, and Repair	Yes
KIF4A	-0.495	-1.027	-0.698	DNA Replication, Recombination, and Repair	Yes
SGOL1	-0.56	-0.899	-0.35	DNA Replication, Recombination, and Repair	Yes
CDCA8	-0.463	-1.236	-0.724	DNA Replication, Recombination, and Repair	Yes
NCAPG2	-0.553	-0.727	-0.52	DNA Replication, Recombination, and Repair	Yes
FANCD2	-0.95	-1.958	-0.621	DNA Replication, Recombination, and Repair	Yes
CHEK1	-0.707	-1.289	-0.486	DNA Replication, Recombination, and Repair	Yes
FEN1	-0.656	-2.381	-0.666	DNA Replication, Recombination, and Repair	Yes
CSE1L	-0.404	-2.032	-0.587	DNA Replication, Recombination, and Repair	Yes
PARP2	-0.596	-1.076	-0.484	DNA Replication, Recombination, and Repair	Yes
ALDH1B1	-0.403	-0.872	-0.428	Metabolism	Yes