

Supplementary Table – 4: List of down-regulated Proteins in Pb-R-MCF-7 cells and their references.

Down-regulated Protein	Pb-R-MCF-7/MCF-7 fold Change Set-1	Pb-R-MCF-7/MCF-7 fold Change Set-2	Roles of proteins in Cancers therapy resistance as reported	References ID PubMed
NUDT5	0.220657277	0.284037559	Low NUDT5 expression is associated with poor overall survival rates and tumor grade was a factor that influenced the expression level of NUDT5. Wang Y. et al 2017.	PMID: 29113256
AMY1A	0.70341854	0.305512781	AMY1A is a stem cell differentiation marker were found downregulated.Srinivasan PP. et al. 2017	PMID:28170182
S100A9		0.306744488	Expression of S100A9 is over-expressed in in Er-ve, Pr-ve and Her-2 +ve BC means it has inverse relation with hormone p+ve cells. Bao YI. et al 2016.	PMID: 26998104
CAT	0.251559252	0.442827443	Catalase expression in MCF-7 breast cancer cells is mainly controlled by PI3K/Akt/mTorsignaling pathway. Glorieux C. et. al 2014	PMID: 24630930
TGM3	0.205263158	0.548947368	TGM3, as a candidate tumor suppressor, contributes to the carcinogenesis and development of HNC and may serve as a useful biomarker for patients with HNC.Wu X et al 2013.	PMID: 24289313
PEPD	0.28280543	0.592760181	PEPD inhibites to Her-2 which is found overexpressed in a Breast Cancer subclass. Down-regulation of PEPD may be a reagon to develop a drug resistance in that class of BC.	PMID: 30674653 PMID: 26086037
DLD	0.383050847		Dihydrolipoamide dehydrogenase DLD proteins were found differentially expressed (down-regulated) in the breast cancer tumor.Abdullah Al-Dhabi N et al 2016.	PMID: 27110560
GGCT		0.618104668	Downregulation of gamma-glutamyl cyclotransferase (GGCT), a critical components of GSH pathway, contribute to chemoresistance in breast cancer. Wang Z et al 2015, Ran R et al 2015.	