

Supplementary Table 1

Genes detected by mDIP previously reported to be hypermethylated in cancer.

Gene name	Locus link	Reference (Pubmed ID)
PENK	5179	12000709
ECRG4	84414	12800218
CRABP1	1381	12640681
HOXA11	3207	12796396
AKAP12	9590	15258566
TMEFF2 (HPP1)	23671	15342451 , 12460892
EDNRB	1910	15569975 15129426 12499435 ...
PTPRO	5800	14508512
NNAT	4826	11960906
CYP24A1	1591	12903199
HTR1B	3351	11709722
NEF3	4741	15467763
CLDN5	7122	12839967
CFTR	1080	15526362
HLA-F	3134	7683306
GRM7	2917	15059895
UCHL1	7345	12839967 , 11448537
SLIT2	9353	15534609 , 12881718 , 12615722
KDR	3791	112824880

Genes detected by mDIP previously reported to be induced by 5-azaC treatment.

Gene name	Locus link	Reference (Pubmed ID)
KRT7	3855	7533260
HLA-F	3134	7683306
CRABP1	1381	12640681
NEF3	4741	15467763
TMEFF2 (HPP1)	23671	12460892
EDNRB	1910	12460892
HLA-G	3135	12552087
COL1A1	1277	15788405
AQP5	362	15640830
CYP24A1	1591	15860259
GRM7	2917	15059895
UCHL1	7345	12839967 , 11448537
SLIT2	9353	15534609 , 12881718 , 12615722
HLA-B	3106	15604288 , 12704681 , ...
CYP1B1	1545	12927368
DBC1	1620	15746151
MT1G	4495	12640681
CLDN5	7122	12839967
KDR	3791	112824880
FLNC	2318	124382621
TP73	7161	15609309
NNAT	4826	11960906
HTR1B	3351	11709722

Genes upregulated (>2 fold) after 5-azaC treatment of PC3 cells as detected by expression profiling before and after treatment (current study).

Gene name	Ensembl Gene ID	Locus link
AKR1B1	ENSG00000085662	231
FABP5	ENSG00000164687	2171
SAFB	ENSG00000160633	6294
ENSG00000073350	ENSG00000073350	3993
PTGS2	ENSG00000073756	5743
MAP3K14	ENSG0000006062	9020
HLA-F	ENSG00000137403	3134
NM_024061	ENSG00000169996	79027
HLA-B	ENSG00000180202	3106
IER3	ENSG00000137331	8870
EREG	ENSG00000124882	2069
ENSG00000137403	ENSG00000137403	3134