

Primer Name	Sequence	Application
ANXA1_RT_F	AAGCAGGAGAAAGGAGAAAGG	RT
ANXA1_RT_R	AACTCCAGGTCCAGAACTTTG	RT
APOE_RT_F	TTGCTGGTCACATTCTGG	RT
APOE_RT_R	AGGTAATCCAAAAGCGACC	RT
CDKN1c_RT_F	CTGACCAGCTGCACTCG	RT
CDKN1c_RT_R	CTCAGGGCGTGATCTCTTG	RT
SPON2_RT_F	ATGAGATTGTAGACAGCGCC	RT
SPON2_RT_R	GTCCTGCTCTTGGTCCC	RT
Syncytin-1_RT_F	ATGGAGCCCAAGATGCAG	RT
Syncytin-1_RT_R	AGATCGTGGGCTAGCAG	RT
Syncytin-2_RT_F	TTGGGTAAATCAATCAGGAAAAGT	RT
Syncytin-2_RT_R	GTAAACTGGAGGCTTGATTTAGGA	RT
Syncytin-3_RT_F	TTAGCCACAAATTCTGGGATAACT	RT
Syncytin-3_RT_R	AGAGGTAACAATAGAGGCCATGAG	RT
erv-3_RT_F	AACTAATGCCCAAGATAAATTTCA	RT
erv-3_RT_R	TTAAGAACCAGATGCTCTGACTTG	RT
envW2_RT_F	GCTACAAATGGTTCTTCAAATGGAG	RT
envW2_RT_R	ACAAGGGCTAGCAGGCT	RT
erv_9_1_RT_F	TCTTGGAGTCCTCACTCAAATC	RT
erv_9_1_RT_R	ACTGCTGCAACTACCTTAAACA	RT
ERF-FXA34_RT_F	CAGGAAACTAACTTTCAGCGAGA	RT
ERF-FXA34_RT_R	TAAAGAGGGCATGGAGTAATTGA	RT
EnvE_RT_F	ACTGGCCTTTTCCTAGGTGATAC	RT
EnvE_RT_R	TACTATTAATGGCTGCACAAGCA	RT
SEC23A_ChIP_F	TGGTGCCTTCTTTGTTCTC	ChIP
SEC23A_ChIP_R	GCCTCTCATGAATGGGATTAG	ChIP
INTS2_ChIP_F	CAAGGCTGAATCCTCATCTAC	ChIP
INTS2_ChIP_R	GGGTATGAAAGAAAGCACTTAAC	ChIP
FBXO33_ChIP_F	CCTGTATGTTATCCACCCATC	ChIP
FBXO33_ChIP_R	TGCCTTTGACCCAAGTAAG	ChIP

Supp. Table 1

Cell Line	Tissue	Primary Diagnosis	Molecule	IC25 (µM)	IC50 (µM)
MCF_10A	Breast	Fibrocystic Disease	CPI-455	0.86	8.58
EFM_192C	Breast	Adenocarcinoma	CPI-455	3.20	9.32
HCC1187	Breast	Adenocarcinoma Ductal	CPI-455	2.16	10.90
KPL_3	Breast	Adenocarcinoma Ductal	CPI-455	6.81	13.39
EFM_19	Breast	Carcinoma	CPI-455	4.40	14.66
MDA_MB_330	Breast	Carcinoma	CPI-455	8.66	17.43
MDA_MB_453	Breast	Carcinoma	CPI-455	10.54	18.44
AU565	Breast	Adenocarcinoma	CPI-455	12.28	18.72
MDA_MB_468	Breast	Adenocarcinoma	CPI-455	10.75	19.05
HCC1500	Breast	Adenocarcinoma Ductal	CPI-455	17.26	19.36
SK_BR_3	Breast	Adenocarcinoma	CPI-455	16.72	19.39
HCC1954	Breast	Adenocarcinoma Ductal	CPI-455	16.84	21.75
MD_MB_361	Breast	Adenocarcinoma	CPI-455	18.09	22.00
BT_483	Breast	Adenocarcinoma Ductal	CPI-455	17.67	22.14
MDA_MB_157	Breast	Carcinoma Medullary	CPI-455	17.77	22.51
MCF_7	Breast	Adenocarcinoma	CPI-455	13.16	22.59
HCC1937	Breast	Adenocarcinoma Ductal	CPI-455	18.25	24.68
HCC1419	Breast	Adenocarcinoma Ductal	CPI-455	18.91	24.72
CAL_120	Breast	Adenocarcinoma	CPI-455	17.58	24.94
HCC70	Breast	Adenocarcinoma Ductal	CPI-455	18.31	24.97
BT_20	Breast	Carcinoma	CPI-455	18.26	25.21
MDA_MB_436	Breast	Adenocarcinoma	CPI-455	17.73	25.25
T_47D	Breast	Adenocarcinoma Ductal	CPI-455	19.51	25.88
ZR_75_30	Breast	Adenocarcinoma Ductal	CPI-455	17.98	28.81
Hs 578T	Breast	Carcinoma	CPI-455	18.17	29.11
HCC1428	Breast	Adenocarcinoma	CPI-455	13.59	29.41
MDA_MB_415	Breast	Adenocarcinoma	CPI-455	16.92	31.71
UACC_812	Breast	Adenocarcinoma Ductal	CPI-455	19.67	36.20
CAL51	Breast	Adenocarcinoma	CPI-455	19.54	36.33
MDA-MB-175-VII	Breast	Adenocarcinoma Ductal	CPI-455	13.22	39.74
CAMA-1	Breast	Adenocarcinoma	CPI-455	7.71	>50
MDA_MB_231	Breast	Adenocarcinoma	CPI-455	24.60	>50
CAL_148	Breast	Adenocarcinoma	CPI-455	26.78	>50
HBL_100	Breast	Normal	CPI-455	27.84	>50
BT_549	Breast	Adenocarcinoma Ductal	CPI-455	30.43	>50
BT_474	Breast	Adenocarcinoma Ductal	CPI-455	39.05	>50
JIMT-1	Breast	Adenocarcinoma Ductal	CPI-455	>50	>50

Supp. Table 2