

## SUPPLEMENTARY TABLES

Target	size (bp)	Forward primer (5'-3')	Reverse primer (5'-3')
<b>PTPRG</b>	288	GTCACCAGTCTCCTATTGAC	AAATCTGCATCTCAACAGGA
<b>β-Catenin</b>	235	CAACTAAACAGGAAGGGATGG	ATGACGAAGAGCACAGATGG
<b>MYC</b>	203	CTTCTCTCCGTCCTCGGATTCT	GAAGGTGATCCAGACTCTGACCTT
<b>p21/WAF1</b>	272	CCAGCATGACAGATTCTACCA	GAACCTCTCATTCAACCGCC
<b>Cyclin D1</b>	177	GCGGAGGAGAACAAACAGAT	TGAGGCGGTAGTAGGACAGG
<b>DNMT1</b>	201	TCTTTGATGCCAACGAGTCTG	CCATTAACACCACCTTCAAGAG
<b>PTPRG prom for ChIP PCR</b>	606	TGAAAGCCCCGAAAAAGAAAA	TGGATCCTGGCAGAGACTTT
<b>PTPRG prom for Sequencing</b>	898	GGTAGTTGTTAGGAAATTAGTT	ATACCTCCATACAAAAAATAACAT
<b>GATA1</b>	175	ATTCAGCAGCCTATTCTCTCC	CTGTTCTGCCATTCTCTTGT
<b>β-Actin</b>	290	TGACCCAGATCATGTTTGAG	CTTCTCCTTAATGTCACGCAC

Supplementary table 1 – qRT–PCR primers designed with the free open-source GUI application PerlPrimer v1.1.21

Antibody	Host	Company
tot-β-Catenin B-9	Mouse	Santa Cruz
tot-β-Catenin [E247]	Rabbit	Abcam
phospho-β-Catenin (Tyr 654)	Rabbit	ECM Biosciences
phospho-BCR-ABL1 (Tyr 245)	Rabbit	Cell Signaling
tot-BCR-ABL1	Rabbit	Cell Signaling
DNMT1	Rabbit	Proteintech
DNMT3a	Rabbit	Genetex
DNMT3b	Rabbit	Genetex
Cyclin D1	Rabbit	Genetex
p21/WAF1	Mouse	Genetex
Tubulin	Mouse	MilliporeSigma
Lamin A/C	Rabbit	Genetex
Axin1	Rabbit	Genetex
β-Actin	Rabbit	MilliporeSigma

Supplementary table2 –Western Blotting antibodies