

Supplementary Table S2

Putative methylation regulated transcripts in LCM CRC samples

Probe Set ID	Gene Symbol	Gene Title
222688_at	ACER3	alkaline ceramidase 3
1557820_at	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)
224667_x_at	ANAPC16	anaphase promoting complex subunit 16
202888_s_at	ANPEP	alanyl (membrane) aminopeptidase
200602_at	APP	amyloid beta (A4) precursor protein
1555962_at	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7
205263_at	BCL10	B-cell CLL/lymphoma 10
227736_at	C10orf99	chromosome 10 open reading frame 99
229520_s_at	C14orf118	chromosome 14 open reading frame 118
223484_at	C15orf48	chromosome 15 open reading frame 48
224458_at	C9orf125	chromosome 9 open reading frame 125
214315_x_at	CALR	calreticulin
208683_at	CAPN2	calpain 2, (m/II) large subunit
205789_at	CD1D	CD1d molecule
232266_x_at	CDK13	Cyclin-dependent kinase 13
236313_at	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
204159_at	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
205709_s_at	CDS1	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1
200998_s_at	CKAP4	cytoskeleton-associated protein 4
220026_at	CLCA4	chloride channel accessory 4
241065_x_at	CMAS	Cytidine monophosphate N-acetylneuraminic acid synthetase
234981_x_at	CMBL	carboxymethylenebutenolidase homolog (Pseudomonas)
225009_at	CMTM4	CKLF-like MARVEL transmembrane domain containing 4
218900_at	CNNM4	cyclin M4
205927_s_at	CTSE	cathepsin E
244546_at	CYCS	cytochrome c, somatic
219290_x_at	DAPP1	dual adaptor of phosphotyrosine and 3-phosphoinositides
205370_x_at	DBT	dihydrolipoamide branched chain transacylase E2
242562_at	DNAJC24	DnaJ (Hsp40) homolog, subfamily C, member 24
227955_s_at	EFNA5	ephrin-A5
205222_at	EHHADH	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase
235645_at	ESCO1	establishment of cohesion 1 homolog 1 (S. cerevisiae)
242608_x_at	FAM161B	Family with sequence similarity 161, member B
226062_x_at	FAM63A	family with sequence similarity 63, member A
203698_s_at	FRZB	frizzled-related protein
211795_s_at	FYB	FYN binding protein
227405_s_at	FZD8	frizzled homolog 8 (Drosophila)
201722_s_at	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)
206422_at	GCG	glucagon
212959_s_at	GNPTAB	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits
211040_x_at	GTSE1	G-2 and S-phase expressed 1
220071_x_at	HAUS2	HAUS augmin-like complex, subunit 2
217845_x_at	HIGD1A	HIG1 hypoxia inducible domain family, member 1A
200799_at	HSPA1A	heat shock 70kDa protein 1A
206502_s_at	INSM1	insulinoma-associated 1

202746_at	ITM2A	integral membrane protein 2A
1562063_x_at	KIAA1245 /// LOC200030 /// NBPF1 /// NBPF10 /// NBPF11 /// NBPF8 /// NBPF9	KIAA1245 /// neuroblastoma breakpoint family, member 11-like /// neuroblastoma breakpoint family, member 1 /// neuroblastoma breakpoint family, member 10 /// neuroblastoma breakpoint family, member 11 /// neuroblastoma breakpoint family, member 8 /// neuroblastoma breakpoint family, member 9
209211_at	KLF5	Kruppel-like factor 5 (intestinal)
213953_at	KRT20	keratin 20
200915_x_at	KTN1	kinectin 1 (kinesin receptor)
214709_s_at	KTN1	kinectin 1 (kinesin receptor)
235167_at	LOC100190986	hypothetical LOC100190986
232455_x_at	LOC340085	hypothetical protein LOC340085
242889_x_at	LOC645431	hypothetical LOC645431
204037_at	LPAR1	lysophosphatidic acid receptor 1
204674_at	LRMP	lymphoid-restricted membrane protein
220376_at	LRRC19	leucine rich repeat containing 19
211452_x_at	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1
209579_s_at	MBD4	methyl-CpG binding domain protein 4
217109_at	MUC4	mucin 4, cell surface associated
226041_at	NAPEPLD	N-acyl phosphatidylethanolamine phospholipase D
232169_x_at	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH- coenzyme Q reductase)
202149_at	NEDD9	neural precursor cell expressed, developmentally down-regulated 9
201502_s_at	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
239748_x_at	OCIAD1	OCIA domain containing 1
206323_x_at	OPHN1	oligophrenin 1
1554384_at	PADI2	peptidyl arginine deiminase, type II
242871_at	PAQR5	progesterin and adipoQ receptor family member V
204687_at	PARM1	prostate androgen-regulated mucin-like protein 1
206792_x_at	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)
203131_at	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide
215179_x_at	PGF	Placental growth factor
226147_s_at	PIGR	polymeric immunoglobulin receptor
207109_at	POU2F3	POU class 2 homeobox 3
219392_x_at	PRR11	proline rich 11
232215_x_at	PRR11	proline rich 11
238513_at	PRRG4	Proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)
215894_at	PTGDR	prostaglandin D2 receptor (DP)
221872_at	RARRES1	retinoic acid receptor responder (tazarotene induced) 1
215588_x_at	RIOK3	RIO kinase 3 (yeast)
214041_x_at	RPL37A	Ribosomal protein L37a
230660_at	SERTAD4	SERTA domain containing 4
33323_r_at	SFN	stratifin
230375_at	SFRS18	splicing factor, arginine/serine-rich 18
218835_at	SFTPA2	surfactant protein A2
213936_x_at	SFTPB	surfactant protein B
223391_at	SGPP1	sphingosine-1-phosphate phosphatase 1
242578_x_at	SLC22A3	Solute carrier family 22 (extraneuronal monoamine transporter), member 3
224959_at	SLC26A2	solute carrier family 26 (sulfate transporter), member 2

226894_at	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3
220796_x_at	SLC35E1	solute carrier family 35, member E1
212569_at	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1
232739_at	SPIB	Spi-B transcription factor (Spi-1/PU.1 related)
226353_at	SPPL2A	signal peptide peptidase-like 2A
202565_s_at	SVIL	supervillin
242093_at	SYTL5	synaptotagmin-like 5
236248_x_at	TADA2B	transcriptional adaptor 2B
212761_at	TCF7L2	transcription factor 7-like 2 (T-cell specific, HMG-box)
229341_at	TFCP2L1	transcription factor CP2-like 1
242377_x_at	THUMPD3	THUMP domain containing 3
205812_s_at	TMED9	transmembrane emp24 protein transport domain containing 9
240770_at	TMEM171	transmembrane protein 171
213285_at	TMEM30B	transmembrane protein 30B
219736_at	TRIM36	tripartite motif-containing 36
236715_x_at	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats
222252_x_at	UBQLN4	ubiquilin 4
235327_x_at	UBXN2A	UBX domain protein 2A
207245_at	UGT2B17	UDP glucuronosyltransferase 2 family, polypeptide B17
233595_at	USP34	ubiquitin specific peptidase 34
218171_at	VPS4B	vacuolar protein sorting 4 homolog B (<i>S. cerevisiae</i>)
232516_x_at	YY1AP1	YY1 associated protein 1
233399_x_at	ZNF252	Zinc finger protein 252
208137_x_at	ZNF611	zinc finger protein 611
215978_x_at	ZNF721	zinc finger protein 721
AFFX-hum_alu_at	---	---
1557222_at	---	---
1557780_at	---	---
1566887_x_at	---	---
1569409_x_at	---	---
207730_x_at	---	---
208246_x_at	---	---
210679_x_at	---	---
214989_x_at	---	---
215604_x_at	---	---
215628_x_at	---	---
216147_at	---	---
216187_x_at	---	---
217679_x_at	---	---
227682_at	---	---
229157_at	---	---
229434_at	---	---
230324_at	---	---
230387_at	---	---
232614_at	---	---
233017_x_at	---	---
233041_x_at	---	---
233270_x_at	---	---
233427_x_at	---	---

234137_s_at	---	---
235084_x_at	---	---
235757_at	---	---
236170_x_at	---	---
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237868_x_at	---	---
240326_at	---	---
240612_at	---	---
241303_x_at	---	---
241956_at	---	---
242235_x_at	---	---
242398_x_at	---	---
243147_x_at	---	---
243931_at	---	---
244384_at	---	---

Supplementary Table S2. 154 common elements of 2533 downregulated transcripts in LCM tumor samples and 3000 upregulated transcripts from 5-Aza-treated HT29 cells.