The table includes all the genes that are part of the enriched categories shown in table 1 and were significantly methylated at least in one tumor type.

	Gene name	caco-2	pc3	tumors	locus_link	description
cell adhesion						
homophilic cell adhesion	*PCDHGC3*	+	+	-	5098	protocadherin gamma subfamily C, 3
	PCDHGC4	+	-	+	56098	protocadherin gamma subfamily C, 4
	PCDHGB7	+	+/-	+	56099	protocadherin gamma subfamily B, 7
	PCDHGB5	+	+	+	56101	protocadherin gamma subfamily B, 5
	PCDHGA7	+	+/-	+	56108	protocadherin gamma subfamily A, 7
	PCDHAC2	+	+	+	56134	protocadherin alpha subfamily C, 2
	PCDHAC1	+	+	+	56135	protocadherin alpha subfamily C, 1
	PCDH10	+	-	+	57575	protocadherin 10
	PCDHGB6	+/-	+	+	56100	protocadherin gamma subfamily B, 6
	PCDHA10	+/-	+	+	56139	protocadherin alpha 10
	PCDH17	+/-	-	+	27253	protocadherin 17
	PCDH11X	-	-	+	27328	protocadherin 11 X-linked
	PCDHA8	+/-	+/-	+	56140	protocadherin alpha 8
	PCDHGB4	+/-	+/-	+	8641	protocadherin gamma subfamily B, 4
others	*CHL1*	+	+/-	+	10752	cell adhesion molecule with homology to L1CAM (close homolog of L1)
	caspr5	+	+	+	129684	caspr5 protein
	NID2	+	+	+	22795	nidogen 2 (osteonidogen)
	SLIT2	+/-	-	+	9353	slit homolog 2 (Drosophila)
	COMP	-	+/-	+	1311	cartilage oligomeric matrix protein
	SRPX	-	-	+	8406	sushi-repeat-containing protein, X-linked
	CLDN1	-	-	+	9076	claudin 1
cell-cell signaling	*CHAT*	+	+	-	1103	choline acetyltransferase
synaptic transmission	*GALR1*	+	+	+	2587	galanin receptor 1
	AMPH	+	-	+	273	amphiphysin (Stiff-Man syndrome with breast cancer 128kDa autoantigen)
	GRIA4	+	+	+	2893	glutamate receptor, ionotrophic, AMPA 4
	GRIK2	+	+	+	2898	glutamate receptor, ionotropic, kainate 2
	TRH	+	-	+	6530	thyrotropin-releasing hormone
	CACNA1E	+	-	+	777	calcium channel, voltage-dependent, alpha 1E subunit
	CART	+	+	+	9607	cocaine- and amphetamine-regulated transcript
	GABRB2	-	+	-	2561	gamma-aminobutyric acid (GABA) A receptor, beta 2
	HTR1B	+/-	+	+	3351	5-hydroxytryptamine (serotonin) receptor 1B
	GRM1	+	-	-	2911	glutamate receptor, metabotropic 1
	MTNR1B	+	+	+	4544	melatonin receptor 1B
	NPY	+	+	-	4852	neuropeptide Y
	KCNA1	+	-	-	3736	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)
	NOS1	-	-	+	4842	nitric oxide synthase 1 (neuronal)
	DRD1IP	-	-	+	50632	dopamine receptor D1 interacting protein
	ADRA1A	+	+/-	+	148	adrenergic, alpha-1A-, receptor
	GAD2	+/-	+/-	+	2572	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)
	GPR7	+	+/-	+	2831	G protein-coupled receptor 7
	GRIK1	-	-	+	2897	glutamate receptor, ionotropic, kainate 1
	FGF5	+	-	+	2250	fibroblast growth factor 5
others	*TRHDE*	+	+	+	29953	thyrotropin-releasing hormone degrading ectoenzyme
	PENK	+	+/-	+	5179	proenkephalin
	CXCL14	+	+/-	+	9547	chemokine (C-X-C motif) ligand 14
	TRH	+	+	+	7200	thyrotropin-releasing hormone
	WNT5A	+/-	+	-	7474	wingless-type MMTV integration site family, member 5A
signal transduction	*CRHR2*	+	+	+	1395	corticotropin releasing hormone receptor 2
G-protein coupled receptor	*ADRA1A*	+	-	+	148	adrenergic, alpha-1A-, receptor
protein signaling pathways	*EDNRB*	+	+	+	1910	endothelin receptor type B
	GALR1	+	+	+	2587	galanin receptor 1

	GHSR	+	+	+	2693	growth hormone secretagogue receptor
	GPR6	+	+	-	2830	G protein-coupled receptor 6
	GPR10	+	+/-	+	2834	G protein-coupled receptor 10
	GRM6	+	-	-	2916	glutamate receptor, metabotropic 6
	HTR1A	+	+/-	+	3350	5-hydroxytryptamine (serotonin) receptor 1A
	SALPR	+	+/-	-	51289	G-protein coupled receptor SALPR; somatostatin and angiotensin-like peptide receptor
	PENK	+	-	+	5179	proenkephalin
	EDG8	+	+	+	53637	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8
	EDG6	+	+/-	+	8698	endothelial differentiation, G-protein-coupled receptor 6
	AKAP12	+	-	-	9590	A kinase (PRKA) anchor protein (gravin) 12
	CART	+	+	+	9607	cocaine- and amphetamine-regulated transcript
	GPR72	-	+	+	10888	G protein-coupled receptor 72
	GABRB2	-	+	-	2561	gamma-aminobutyric acid (GABA) A receptor, beta 2
	HTR1B	+/-	+	+	3351	5-hydroxytryptamine (serotonin) receptor 1B
	HTR5A	-	+	+	3361	5-hydroxytryptamine (serotonin) receptor 5A
	MTNR1B	+/-	+	+	4544	melatonin receptor 1B
	NPY	+	+	-	4852	neuropeptide Y
	PTGFR	-	+	+	5737	prostaglandin F receptor (FP)
	GNA14	-	+	-	9630	guanine nucleotide binding protein (G protein), alpha 14
	OPRM1	-	-	+	4988	opioid receptor, mu 1
	RASGRP2	+	-	-	10235	RAS guanyl releasing protein 2 (calcium and DAG-regulated)
	GPR7	+	+/-	+	2831	G protein-coupled receptor 7
	DRD1IP	-	-	+	50632	dopamine receptor D1 interacting protein
	PTHR2	+/-	-	+	5746	parathyroid hormone receptor 2
	ELTD1	-	+/-	+	64123	EGF, latrophilin and seven transmembrane domain containing 1
	TACR3	+/-	-	+	6870	tachykinin receptor 3
	FZD9	-	-	+	8326	frizzled homolog 9 (Drosophila)
	GPR101	-	-	+	83550	G protein-coupled receptor 101
others	*CHL1*	+	+/-	+	10752	cell adhesion molecule with homology to L1CAM (close homolog of L1)
	MAP4K1	+	-	+	11184	mitogen-activated protein kinase kinase kinase kinase 1
	CRABP1	+	+	-	1381	cellular retinoic acid binding protein 1
	FGF5	+	-	+	2250	fibroblast growth factor 5
	SHANK2	+	-	+	22941	SH3 and multiple ankyrin repeat domains 2
	GDNF	+	+	+	2668	glial cell derived neurotrophic factor
	GRIA4	+	+	+	2893	glutamate receptor, ionotrophic, AMPA 4
	GRIK2	+	+	+	2898	glutamate receptor, ionotropic, kainate 2
	TRHDE	+	+	+	29953	thyrotropin-releasing hormone degrading ectoenzyme
	HCK	+	+	+	3055	hemopoietic cell kinase
	APBB1IP	+	-	+	54518	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein
	SH3GL3	+	-	+	6457	SH3-domain GRB2-like 3
	TRH	+	+	+	7200	thyrotropin-releasing hormone
	RAB34	+	-	-	83871	RAB34, member RAS oncogene family
	PPP1R1B	+	-	-	84152	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)
	OSMR	+	-	+	9180	oncostatin M receptor
	CD8A	+	+/-	-	925	CD8 antigen, alpha polypeptide (p32)
	CXCL14	+	+/-	+	9547	chemokine (C-X-C motif) ligand 14
	TNFRSF5	+	-	-	958	tumor necrosis factor receptor superfamily, member 5
	RALBP1	-	+	-	10928	ralA binding protein 1
	LTK	+/-	+	-	4058	leukocyte tyrosine kinase
	OXT	+/-	+	-	5020	oxytocin, prepro- (neurophysin I)
	WNT2	+/-	+	+	7472	wingless-type MMTV integration site family member 2
	STAC	+	-	+	6769	SH3 and cysteine rich domain
	TRAF3	-	-	+	7187	TNF receptor-associated factor 3
	EPHB1	-	-	+	2047	EPH receptor B1
	CORO1C	-	-	+	23603	coronin, actin binding protein, 1C
	GRIK1	-	-	+	2897	glutamate receptor, ionotropic, kainate 1
ion transport	*TCIRG1*	+	-	-	10312	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein a isoform 3
	COL1A1	+	-	-	1277	collagen, type I, alpha 1
	GALR1	+	+	+	2587	galanin receptor 1
	GRIA4	+	+	+	2893	glutamate receptor, ionotrophic, AMPA 4
	GRIK2	+	+	+	2898	glutamate receptor, ionotropic, kainate 2

KCNA6	+	-	+	3742	potassium voltage-gated channel, shaker-related subfamily, member 6
KCNN2	+	-	+	3781	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2
SCNN1B	+	-	-	6338	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)
SLC5A5	+	-	-	6528	solute carrier family 5 (sodium iodide symporter), member 5
TF	+	-	+	7018	transferrin
TRPC4	+	-	+	7223	transient receptor potential cation channel, subfamily C, member 4
TRPC6	+	+	+	7225	transient receptor potential cation channel, subfamily C, member 6
CACNA1E	+	-	+	777	calcium channel, voltage-dependent, alpha 1E subunit
SLC4A11	+	+/-	-	83959	solute carrier family 4, sodium bicarbonate transporter-like, member 11
KCNV1	-	+	-	27012	potassium channel, subfamily V, member 1
GABRB2	-	+	-	2561	gamma-aminobutyric acid (GABA) A receptor, beta 2
KCNC1	+/-	+	+	3746	potassium voltage-gated channel, Shaw-related subfamily, member 1
COL9A1	+/-	+/-	+	1297	collagen, type IX, alpha 1
KCNA1	+	-	-	3736	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)
CACNG3	-	-	+	10368	calcium channel, voltage-dependent, gamma subunit 3
RYR3	-	-	+	6263	ryanodine receptor 3
TRPA1	-	-	+	8989	transient receptor potential cation channel, subfamily A, member 1
C7orf13	-	+/-	+	129790	chromosome 7 open reading frame 13
PKD2L2	+/-	-	+	27039	polycystic kidney disease 2-like 2
GRIK1	-	-	+	2897	glutamate receptor, ionotropic, kainate 1