Supplementary Table S1 - Genes identified in 3CRC cell lines identified as being genetically associated with colorectal cancer by DAVID Functional Annotation Tool

	Ensembl Gene ID	Uniprot Accession	Description
1)	ENSG00000100823	P27695	APEX nuclease (multifunctional DNA repair enzyme) 1 (APEX1)
2)	ENSG00000085563	P08183	ATP-binding cassette, sub-family B (MDR/TAP), member 1 (ABCB1)
3)	ENSG00000197299	P54132	Bloom syndrome, RecQ helicase-like (BLM)
4)	ENSG00000117877	O15446	CD3e molecule, epsilon associated protein (CD3EAP)
5)	ENSG00000087460	P84996	GNAS complex locus (GNA)
6)	ENSG00000181019	P15559	NAD(P)H dehydrogenase, quinone 1 (NQO1)
7)	ENSG00000170430	P16455	O-6-methylguanine-DNA methyltransferase (MGMT)
8)	ENSG00000119318	P54727	RAD23 homolog B (S. cerevisiae) (RAD23B)
9)	ENSG00000136535	Q16650	T-box, brain, 1 (TBR1)
10)	ENSG00000073050	P18887	X-ray repair complementing defective repair in Chinese hamster cells 1 (XRCC1)
11)	ENSG00000134982	P25054	Adenomatous polyposis coli (APC)
12)	ENSG00000111275	P05091	Aldehyde dehydrogenase 2 family (mitochondrial) (ALDH2)
13)	ENSG00000039068	P12830	Cadherin 1, type 1, E-cadherin (epithelial) (CDH1)
14)	ENSG00000093010	P21964	Catechol-O-methyltransferase (COMT)
15)	ENSG00000168036	P35222	Catenin (cadherin-associated protein), beta 1, 88kDa (CTNNB1)
16)	ENSG00000164733	P07858	Cathepsin B (CTSB)
17)	ENSG00000105974	Q03135	Caveolin 1, caveolae protein, 22kDa (CAV1)
18)	ENSG00000147889	P42771	Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) (CDKN2A)
19)	ENSG00000140505	P05177	Cytochrome P450, family 1, subfamily A, polypeptide 2 (CYP1A2)
20)	ENSG00000137869	P11511	Cytochrome P450, family 19, subfamily A, polypeptide 1 (CYP19A1)
21)	ENSG00000187323	P43146	Deleted in colorectal carcinoma (DCC)
22)	ENSG00000146648	P00533	Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian) (EGFR)
23)	ENSG00000092820	P15311	Ezrin (EZR)
24)	ENSG00000104884	P18074	Excision repair cross-complementing rodent repair deficiency, complementation group 2 (ERCC2)
25)	ENSG00000175595	Q92889	Excision repair cross-complementing rodent repair deficiency, complementation group 4 (ERCC4)
26)	ENSG00000134899	P28715	Excision repair cross-complementing rodent repair deficiency, complementation group 5 (ERCC5)
27)	ENSG00000112773	Q96IP4	Family with sequence similarity 46, member A (FAM46A)
28)	ENSG00000170899	O15217	Glutathione S-transferase alpha 4 (GSTA4)
29)	ENSG00000134202	P21266	Glutathione S-transferase mu 3 (brain) (GSTM3)
30)	ENSG00000084207	P09211	Glutathione S-transferase pi 1 (GSTP1)
31)	ENSG00000184674	P30711	Glutathione S-transferase theta 1 (GSTT1)
32)	ENSG00000130513	Q99988	Growth differentiation factor 15 (GDF15)
33)	ENSG00000130203	P02649	Apolipoprotein E (APOE)
34)	ENSG00000185950	Q9Y4H2	Insulin receptor substrate 2 (IRS2)
35)	ENSG00000090339	P05362	Intercellular adhesion molecule 1 (ICAM1)
36)	ENSG00000115850	P09848	Lactase (LCT)
37)	ENSG00000005156	P49916	Ligase III, DNA, ATP-dependent (LIG3)
38)	ENSG00000183742	Q6ZN28	Metastasis associated in colon cancer 1 (MACC1)
39)	ENSG00000100714	P11586	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase (MTHFD1)
40)	ENSG00000008394	P10620	Microsomal glutathione S-transferase 1 (MGST1)
41)	ENSG00000076242	P40692	MutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli) (MLH1)
42)	ENSG00000119684	Q9UHC1	MutL homolog 3 (E. coli) (MLH3)
43)	ENSG00000095002	P43246	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2)
44)	ENSG00000116062	P52701	MutS homolog 6 (E. coli) (MSH6)
45)	ENSG00000164867	P29474	Nitric oxide synthase 3 (endothelial cell) (NOS3)
46)	ENSG00000106268	P36639	Nudix (nucleoside diphosphate linked moiety X)-type motif 1 (NUDT1)
47)	ENSG00000143799	P09874	Poly (ADP-ribose) polymerase 1 (PARP1)
48)	ENSG00000070501	P06746	Polymerase (DNA directed), beta (POLB)
49)	ENSG00000132646	P12004	Proliferating cell nuclear antigen (PCNA)

50)	ENSG00000104881	Q8WUF5	Protein phosphatase 1, regulatory (inhibitor) subunit 13 like (PPP1R13L)
51)	ENSG00000176974	P34896	Serine hydroxymethyltransferase 1 (soluble) (SHMT1)
52)	ENSG00000112096	P04179	Superoxide dismutase 2, mitochondrial (SOD2)
53)	ENSG00000137364	P51580	Thiopurine S-methyltransferase (TPMT)
54)	ENSG00000176890	P04818	Thymidylate synthetase (TYMS)
55)	ENSG00000137462	O60603	Toll-like receptor 2 (TLR2)
56)	ENSG00000136869	O00206	Toll-like receptor 4 (TLR4)
57)	ENSG00000072274	P02786	Transferrin receptor (p90, CD71) (TFRC)
58)	ENSG00000114491	P11172	Uridine monophosphate synthetase (UMPS)
59)	ENSG00000133703	P01116	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog (KRAS)
60)	ENSG00000111424	P11473	Vitamin D (1,25- dihydroxyvitamin D3) receptor (VDR)