

Table S1. Differentially expressed genes nominally associated (p -value < 0.05) with established risk variants for colorectal cancer

SNP	Locus	Tumor/Normal	RefSeq	Gene Symbol	Gene	p -value
rs6687758	1q41	Tumor	NM_005681	TAF1A	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A	0.043
rs6687758	1q41	Normal	NM_022831	AIDA	axin interactor, dorsalization associated	0.020
rs6687758	1q41	Tumor	NM_003268	TLR5	toll-like receptor 5	0.037
rs10936599	3q26	Normal	NM_001122752	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin)	0.007
rs10936599	3q26	Normal	NM_014498	GOLIM4	golgi integral membrane protein 4	0.024
rs10936599	3q26	Normal	NM_005602	CLDN11	claudin 11	0.012
rs10936599	3q26	Normal	NM_020949	SLC7A14	solute carrier family 7	0.003
rs719725	9q24	Normal	NM_203453	PPAPDC2	phosphatidic acid phosphatase type 2 domain containing 2	0.018
rs719725	9q24	Normal	NM_014143	CD274	CD274 molecule	0.020
rs719725	9q24	Normal	NM_025239	PDCD1LG2	programmed cell death 1 ligand 2	0.019
rs719725	9q24	Tumor	NM_017913	CDC37L1	cell division cycle 37 homolog (S. cerevisiae)-like 1	0.054
rs719725	9q24	Tumor	NM_002839	PTPRD	protein tyrosine phosphatase, receptor type, D	0.025
rs10795668	10p14	Tumor	NM_001001973	ATP5C1	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	0.005
rs3802842	11q23	Tumor	NM_001562	IL18	interleukin 18 (interferon-gamma-inducing factor)	0.053
rs3802842	11q23	Tumor	NM_015191	SIK2	salt-inducible kinase 2	0.027
rs7136702	12q13	Tumor	NM_052879	LARP4	La ribonucleoprotein domain family, member 4	0.023
rs7136702	12q13	Tumor	NM_182559	TMPRSS12	transmembrane protease, serine 12	0.043
rs7136702	12q13	Tumor	NM_005653	TFCP2	transcription factor CP2	0.005
rs7136702	12q13	Tumor	NM_007210	GALNT6	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6	0.016
rs7136702	12q13	Tumor	NM_002284	KRT86	keratin 86	0.043
rs7136702	12q13	Tumor	NM_020039	ACCN2	amiloride-sensitive cation channel 2, neuronal	0.052
rs4444235	14q22	Tumor	NM_007086	WDHD1	WD repeat and HMG-box DNA binding protein 1	0.038
rs4444235	14q22	Tumor	NR_003225	LGALS3	lectin, galactoside-binding, soluble, 3	0.028
rs4444235	14q22	Tumor	NM_014750	DLGAP5	discs, large (Drosophila) homolog-associated protein 5	0.006
rs4779584	15q13	Normal	NM_018648	NOP10	NOP10 ribonucleoprotein homolog (yeast)	0.006
rs4779584	15q13	Tumor	NM_017762	MTMR10	myotubularin related protein 10	0.053
rs4779584	15q13	Tumor	NM_018648	NOP10	NOP10 ribonucleoprotein homolog (yeast)	0.054
rs9929218	16q22	Normal	NM_133458	ZFP90	zinc finger protein 90 homolog (mouse)	0.033
rs9929218	16q22	Normal	NM_013241	FHOD1	formin homology 2 domain containing 1	0.030
rs9929218	16q22	Normal	NM_145059	FUK	fucokinase	0.007
rs9929218	16q22	Normal	NM_012163	LRRC29	leucine rich repeat containing 29	0.005
rs9929218	16q22	Normal	NM_032382	COG8	component of oligomeric golgi complex 8	0.032
rs9929218	16q22	Normal	NM_018430	TSNAXIP1	translin-associated factor X interacting protein 1	0.036
rs9929218	16q22	Normal	NM_001040667	HSF4	heat shock transcription factor 4	0.008
rs9929218	16q22	Normal	NM_138383	MTSS1L	metastasis suppressor 1-like	0.038
rs9929218	16q22	Normal	NM_033309	B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	0.011
rs9929218	16q22	Normal	NM_002801	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	0.025
rs9929218	16q22	Normal	NM_003946	NOL3	nucleolar protein 3 (apoptosis repressor with CARD domain)	0.0003
rs9929218	16q22	Normal	NM_018380	DDX28	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28 // 16q22.1	0.002
rs9929218	16q22	Normal	NM_020786	PDP2	pyruvate dehydrogenase phosphatase isoenzyme 2	0.040
rs9929218	16q22	Tumor	NM_018430	TSNAXIP1	translin-associated factor X interacting protein 1	0.046
rs961253	20p12	Normal	NM_001009924	C2orf30	chromosome 20 open reading frame 30	0.028
rs4925386	20q13	Normal	BC002531	C2orf149	chromosome 20 open reading frame 149	0.011
rs4925386	20q13	Normal	NM_020062	SLC2A4RG	SLC2A4 regulator	0.016
rs4925386	20q13	Normal	NM_012469	PRPF6	PRP6 pre-mRNA processing factor 6 homolog (S. cerevisiae)	0.036
rs4925386	20q13	Normal	NM_018257	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	0.054
rs4925386	20q13	Tumor	NM_144498	OSBPL2	oxysterol binding protein-like 2	0.024
rs4925386	20q13	Tumor	NM_020882	COL20A1	collagen, type XX, alpha 1	0.052
rs4925386	20q13	Tumor	NM_012384	GMEB2	glucocorticoid modulatory element binding protein 2	0.032
rs4925386	20q13	Tumor	NM_032957	RTEL1	regulator of telomere elongation helicase 1	0.026