

Table S1 The collected prognostic models for CRC

Model	PMID	Type	Author	Coefficient	Gene name
Model-1	35681225	mRNA	Zheng	0.243	COLEC12
Model-1	35681225	mRNA	Zheng	0.183	EFEMP2
Model-1	35681225	mRNA	Zheng	0.243	STON1
Model-1	35681225	mRNA	Zheng	0.211	TCEAL7
Model-1	35681225	mRNA	Zheng	0.297	C14orf132
Model-2	32453965	mRNA	Zheng	-0.268184925	AOC1
Model-2	32453965	mRNA	Zheng	0.145612613	UCN
Model-2	32453965	mRNA	Zheng	-0.361412144	MTUS1
Model-2	32453965	mRNA	Zheng	-0.46844737	CDC20
Model-2	32453965	mRNA	Zheng	0.202331807	SNCB
Model-2	32453965	mRNA	Zheng	0.176725272	MAT1A
Model-2	32453965	mRNA	Zheng	0.115172814	TUBB2B
Model-2	32453965	mRNA	Zheng	-0.086924131	GABRA4
Model-2	32453965	mRNA	Zheng	0.125962491	ALPP
Model-3	33658390	mRNA	Yue	0.00482	CCNB1
Model-3	33658390	mRNA	Yue	-0.000151	PIGR
Model-3	33658390	mRNA	Yue	-0.000198	CXCL1
Model-3	33658390	mRNA	Yue	-0.00104	CCL28
Model-3	33658390	mRNA	Yue	-0.013	PLK1
Model-3	33658390	mRNA	Yue	0.0201	VEGFA
Model-3	33658390	mRNA	Yue	-0.00195	RPN2
Model-3	33658390	mRNA	Yue	0.00171	CLU
Model-3	33658390	mRNA	Yue	0.0117	FOXM1
Model-3	33658390	mRNA	Yue	0.00144	TIMP1
Model-3	33658390	mRNA	Yue	0.0167	PCSK5
Model-3	33658390	mRNA	Yue	-0.00826	MPC1
Model-3	33658390	mRNA	Yue	0.0405	CD36
Model-3	33658390	mRNA	Yue	0.0000133	IGHG1
Model-3	33658390	mRNA	Yue	0.00373	IGFBP3
Model-4	35067161	mRNA	DU	-0.295	ACACA
Model-4	35067161	mRNA	DU	-0.158	NFS1
Model-4	35067161	mRNA	DU	-0.289	GSS
Model-5	30755640	mRNA	Lee	0.52	HSPA1L
Model-5	30755640	mRNA	Lee	-1.156	PUM1
Model-5	30755640	mRNA	Lee	-1.239	UBE2D2
Model-5	30755640	mRNA	Lee	0.309	HSP27
Model-6	36267311	mRNA	Du	0.00767	CHGA
Model-6	36267311	mRNA	Du	0.01449	CLU
Model-6	36267311	mRNA	Du	-0.05963	PLK1
Model-6	36267311	mRNA	Du	0.01635	AXIN2
Model-6	36267311	mRNA	Du	-0.15748	NR3C2
Model-6	36267311	mRNA	Du	-0.03055	IL17RB
Model-6	36267311	mRNA	Du	0.02558	GCG
Model-6	36267311	mRNA	Du	0.07265	AJUBA
Model-7	36532065	mRNA	Ma	-0.0843825	CXCL8
Model-7	36532065	mRNA	Ma	-0.043955	MMP12
Model-7	36532065	mRNA	Ma	-0.127046	GDF15
Model-7	36532065	mRNA	Ma	0.09601238	SPP1
Model-7	36532065	mRNA	Ma	-0.0656746	NR3C2
Model-8	33357130	mRNA	Liu	0.487140513	ULK3
Model-8	33357130	mRNA	Liu	0.399891374	PELP1
Model-8	33357130	mRNA	Liu	0.60434954	WIPI2
Model-8	33357130	mRNA	Liu	0.265015269	DAPK1
Model-8	33357130	mRNA	Liu	1.572033425	MAP1LC3C
Model-8	33357130	mRNA	Liu	1.011611924	RAB7A
Model-9	33034614	mRNA	Xu	-4.3781	FGFR4
Model-9	33034614	mRNA	Xu	-0.7465	LGR6
Model-9	33034614	mRNA	Xu	3.9474	TRBV12-3
Model-9	33034614	mRNA	Xu	-4.8243	NUDT6
Model-9	33034614	mRNA	Xu	-4.5562	MET
Model-9	33034614	mRNA	Xu	1.1468	PDIA2
Model-9	33034614	mRNA	Xu	-1.5898	ORM1
Model-9	33034614	mRNA	Xu	-1.0328	IGKV3D-20
Model-9	33034614	mRNA	Xu	-0.7592	THRB
Model-9	33034614	mRNA	Xu	-1.2434	WNT5A
Model-9	33034614	mRNA	Xu	-2.2298	FGF18
Model-9	33034614	mRNA	Xu	-0.116	ACTG1
Model-10	32096169	mRNA	Bai	-0.429	SH3BP2
Model-10	32096169	mRNA	Bai	-0.088	CCL24
Model-10	32096169	mRNA	Bai	-0.132	RORC
Model-10	32096169	mRNA	Bai	-0.253	IL7
Model-10	32096169	mRNA	Bai	0.05	MC1R
Model-10	32096169	mRNA	Bai	0.0975	IL1RL2
Model-10	32096169	mRNA	Bai	0.385	IL20RB
Model-10	32096169	mRNA	Bai	0.261	ORFP
Model-10	32096169	mRNA	Bai	0.153	HAMP
Model-10	32096169	mRNA	Bai	-0.364	CD13

Table S1 (continued)

Table S1 (continued)

Model	PMID	Type	Author	Coefficient	Gene name
Model-10	32096169	mRNA	Bai	0.363	<i>S100Z</i>
Model-10	32096169	mRNA	Bai	0.273	<i>NTF4</i>
Model-10	32096169	mRNA	Bai	0.081	<i>AVPR1B</i>
Model-11	36389694	mRNA	Wang	-0.145099	<i>CXCL9</i>
Model-11	36389694	mRNA	Wang	-0.130486	<i>CXCL13</i>
Model-11	36389694	mRNA	Wang	0.230145	<i>CCL8</i>
Model-11	36389694	mRNA	Wang	-0.072124	<i>PLA2G2A</i>
Model-11	36389694	mRNA	Wang	0.297347	<i>TRIB2</i>
Model-12	38144182	mRNA	Jiang	0.112	<i>FCRL1</i>
Model-12	38144182	mRNA	Jiang	0.252	<i>WNT16</i>
Model-12	38144182	mRNA	Jiang	0.13	<i>GRIK2</i>
Model-12	38144182	mRNA	Jiang	0.07	<i>FCRL1</i>
Model-12	38144182	mRNA	Jiang	0.252	<i>WNT16</i>
Model-12	38144182	mRNA	Jiang	0.13	<i>GRIK2</i>
Model-12	38144182	mRNA	Jiang	0.07	<i>ZMAT1</i>
Model-12	38144182	mRNA	Jiang	0.005	<i>ZG16</i>
Model-12	38144182	mRNA	Jiang	0.103	<i>DRD4</i>
Model-12	38144182	mRNA	Jiang	0.044	<i>MAPK12</i>
Model-12	38144182	mRNA	Jiang	0.22	<i>OR51B5</i>
Model-12	38144182	mRNA	Jiang	0.004	<i>PRSS21</i>
Model-12	38144182	mRNA	Jiang	0.004	<i>MAGEA3</i>
Model-13	34735373	mRNA	Xv	0.2798524	<i>RCN3</i>
Model-13	34735373	mRNA	Xv	-0.4867349	<i>RETNLB</i>
Model-13	34735373	mRNA	Xv	0.0587669	<i>MMP19</i>
Model-13	34735373	mRNA	Xv	0.2137264	<i>DACT1</i>
Model-13	34735373	mRNA	Xv	0.3216534	<i>OLFM2</i>
Model-13	34735373	mRNA	Xv	0.0867799	<i>SCG2</i>
Model-13	34735373	mRNA	Xv	0.1622284	<i>TUBB6</i>
Model-13	34735373	mRNA	Xv	-0.0802369	<i>REG4</i>
Model-13	34735373	mRNA	Xv	0.1206758	<i>SLC11A1</i>
Model-13	34735373	mRNA	Xv	0.228322	<i>SNCG</i>
Model-13	34735373	mRNA	Xv	0.080146	<i>TREM2</i>
Model-13	34735373	mRNA	Xv	0.1174957	<i>C2orf74</i>
Model-13	34735373	mRNA	Xv	-0.9191942	<i>CCL22</i>
Model-13	34735373	mRNA	Xv	0.0118777	<i>CHST3</i>
Model-14	38045683	mRNA	Huang	0.31775133	<i>CYP19A1</i>
Model-14	38045683	mRNA	Huang	0.02442698	<i>ACSL6</i>
Model-14	38045683	mRNA	Huang	0.49898014	<i>LRP2</i>
Model-14	38045683	mRNA	Huang	0.21861865	<i>OSBPL3</i>
Model-14	38045683	mRNA	Huang	0.13954724	<i>SLCO1A2</i>
Model-14	38045683	mRNA	Huang	0.37098995	<i>ACOX1</i>
Model-14	38045683	mRNA	Huang	0.11749459	<i>PPARGC1A</i>
Model-14	38045683	mRNA	Huang	0.16809725	<i>TNFAIP8L3</i>
Model-15	32564470	mRNA	Wang	0.639	<i>SLC10A2</i>
Model-15	32564470	mRNA	Wang	0.387	<i>FGF2</i>
Model-15	32564470	mRNA	Wang	-0.094	<i>CCL28</i>
Model-15	32564470	mRNA	Wang	0.012	<i>NDRG1</i>
Model-15	32564470	mRNA	Wang	0.124	<i>ESM1</i>
Model-15	32564470	mRNA	Wang	0.378	<i>UCN</i>
Model-15	32564470	mRNA	Wang	0.254	<i>UTS2</i>
Model-15	32564470	mRNA	Wang	0.129	<i>TRDC</i>
Model-16	36524971	mRNA	Li	-0.20049	<i>ASRGL1</i>
Model-16	36524971	mRNA	Li	-0.1072	<i>GSR</i>
Model-16	36524971	mRNA	Li	-0.08696	<i>ASAH1</i>
Model-16	36524971	mRNA	Li	-0.06502	<i>BCL10</i>
Model-16	36524971	mRNA	Li	0.001969	<i>SNAI1</i>
Model-16	36524971	mRNA	Li	0.026865	<i>TRIP10</i>
Model-16	36524971	mRNA	Li	0.063611	<i>TSC22D3</i>
Model-16	36524971	mRNA	Li	0.072751	<i>LRRRC8A</i>
Model-16	36524971	mRNA	Li	0.075148	<i>PHF2</i>
Model-16	36524971	mRNA	Li	0.077261	<i>SERPINE1</i>
Model-16	36524971	mRNA	Li	0.110934	<i>RNASET2</i>
Model-16	36524971	mRNA	Li	0.139311	<i>DNAJB2</i>
Model-16	36524971	mRNA	Li	0.205895	<i>UCHL1</i>
Model-16	36524971	mRNA	Li	0.209549	<i>GAL</i>
Model-17	36319976	mRNA	Wang	0.6374	<i>DKC1</i>
Model-17	36319976	mRNA	Wang	0.7798	<i>NSUN5</i>
Model-17	36319976	mRNA	Wang	0.2717	<i>FLNA</i>
Model-17	36319976	mRNA	Wang	-0.2354	<i>CSE1L</i>
Model-18	34364366	mRNA	Wang	0.1217	<i>A2ML1</i>
Model-18	34364366	mRNA	Wang	0.03442	<i>CALB2</i>
Model-18	34364366	mRNA	Wang	-0.6693	<i>CD1B</i>
Model-18	34364366	mRNA	Wang	0.04806	<i>COL22A1</i>
Model-18	34364366	mRNA	Wang	0.4471	<i>FCRL2</i>
Model-18	34364366	mRNA	Wang	0.00069	<i>GPX3</i>
Model-18	34364366	mRNA	Wang	0.05368	<i>HAND1</i>
Model-18	34364366	mRNA	Wang	0.0023	<i>IDO1</i>

Table S1 (continued)

Table S1 (continued)

Model	PMID	Type	Author	Coefficient	Gene name
Model-18	34364366	mRNA	Wang	0.006	LAMP5
Model-18	34364366	mRNA	Wang	0.07625	MAP2
Model-18	34364366	mRNA	Wang	0.02431	MMRN1
Model-18	34364366	mRNA	Wang	0.1085	NKAIN4
Model-18	34364366	mRNA	Wang	0.3541	VAX2
Model-19	37300722	mRNA	Wu	-0.4862	PRKCB
Model-19	37300722	mRNA	Wu	0.3205	GSKIP
Model-19	37300722	mRNA	Wu	-0.1031	MMP3
Model-19	37300722	mRNA	Wu	0.3287	RNF112
Model-19	37300722	mRNA	Wu	-0.6705	TRAP1
Model-19	37300722	mRNA	Wu	-0.4626	TXN
Model-19	37300722	mRNA	Wu	-0.1189	VNN1
Model-19	37300722	mRNA	Wu	0.1899	ASS1
Model-19	37300722	mRNA	Wu	0.4778	FAM107A
Model-19	37300722	mRNA	Wu	-0.3975	FBXO32
Model-19	37300722	mRNA	Wu	-0.5059	PCK2
Model-19	37300722	mRNA	Wu	0.6073	SRD5A1
Model-19	37300722	mRNA	Wu	1.0681	TRAF2
Model-19	37300722	mRNA	Wu	-0.4725	GSR
Model-19	37300722	mRNA	Wu	-0.4652	GSS
Model-19	37370046	mRNA	Xiang	0.325369	KLF9
Model-19	37370046	mRNA	Xiang	0.156747	INHBA
Model-19	37370046	mRNA	Xiang	-0.285912	CGREF1
Model-19	37370046	mRNA	Xiang	-0.54757	MCM2
Model-20	36505481	mRNA	Cui	0.0765	SEMA4C
Model-20	36505481	mRNA	Cui	0.0304	PIM1
Model-20	36505481	mRNA	Cui	0.0035	TIMP1
Model-20	36505481	mRNA	Cui	-0.03625	JAGN1
Model-20	36505481	mRNA	Cui	0.0332	TRIB2
Model-20	36505481	mRNA	Cui	0.0546	ASNS
Model-20	36505481	mRNA	Cui	0.0049	RPS24
Model-20	36505481	mRNA	Cui	-0.0076	NOX1
Model-21	36591255	mRNA	Liang	-0.2869	ADIPOQ
Model-21	36591255	mRNA	Liang	0.77205	CD36
Model-21	36591255	mRNA	Liang	-0.15359	CCL24
Model-21	36591255	mRNA	Liang	1.041035	INHBE
Model-21	36591255	mRNA	Liang	0.584717	UCN
Model-21	36591255	mRNA	Liang	0.310954	IL1RL2
Model-21	36591255	mRNA	Liang	0.599037	TRIM58
Model-21	36591255	mRNA	Liang	0.322746	RBCK1
Model-21	36591255	mRNA	Liang	0.526967	MC1R
Model-21	36591255	mRNA	Liang	-0.78226	PPARGC1A
Model-21	36591255	mRNA	Liang	-0.2145	LGALS2
Model-22	37762157	mRNA	Jin	-0.097771129	MMP3
Model-22	37762157	mRNA	Jin	-0.06324672	HSPA8
Model-22	37762157	mRNA	Jin	-0.056664141	PTGIS
Model-22	37762157	mRNA	Jin	-0.056371262	CPT2
Model-22	37762157	mRNA	Jin	-0.031097946	GPI
Model-22	37762157	mRNA	Jin	0.011962818	CDKN2A
Model-22	37762157	mRNA	Jin	0.024967708	SPP1
Model-22	37762157	mRNA	Jin	0.025154411	GRP
Model-22	37762157	mRNA	Jin	0.032478659	APOE
Model-22	37762157	mRNA	Jin	0.032667622	CHGA
Model-22	37762157	mRNA	Jin	0.040915171	CAV1
Model-22	37762157	mRNA	Jin	0.05604283	GSTM1
Model-22	37762157	mRNA	Jin	0.073841708	VEGFA
Model-22	37762157	mRNA	Jin	0.083911131	LAMA2
Model-22	37762157	mRNA	Jin	0.10382603	TIMP1
Model-22	37762157	mRNA	Jin	0.107521782	AGRN
Model-22	37762157	mRNA	Jin	0.186021817	HSPA1A
Model-22	37762157	mRNA	Jin	0.224930455	SNAP25
Model-23	32036725	mRNA	Li	-0.8181	BRCA1
Model-23	32036725	mRNA	Li	0.5093	TERT
Model-23	32036725	mRNA	Li	-0.7989	TDRD7
Model-23	32036725	mRNA	Li	-0.7152	PPARGC1A
Model-23	32036725	mRNA	Li	0.7698	LUZP4
Model-23	32036725	mRNA	Li	1.1488	CELF4
Model-23	32036725	mRNA	Li	-0.8421	ZC3H12C
Model-23	32036725	mRNA	Li	0.6121	PNLDC1
Model-24	32036725	mRNA	Wang	0.527	ZBTB34
Model-24	32036725	mRNA	Wang	-0.292	SOWAHA
Model-24	32036725	mRNA	Wang	0.861	SLC4A2
Model-24	32036725	mRNA	Wang	0.474	ANKRD16
Model-24	32036725	mRNA	Wang	-1.512	CLEC16A
Model-24	32036725	mRNA	Wang	-0.449	KIF15
Model-24	32036725	mRNA	Wang	-0.336	MIPEP
Model-24	32036725	mRNA	Wang	0.603	RNF113A

Table S1 (continued)

Table S1 (continued)

Model	PMID	Type	Author	Coefficient	Gene name
Model-24	32036725	mRNA	Wang	0.15	GJB6
Model-24	32036725	mRNA	Wang	-0.463	RPP14
Model-24	32036725	mRNA	Wang	0.144	HCRTR1
Model-24	32036725	mRNA	Wang	-0.609	TUBA1C
Model-24	32036725	mRNA	Wang	0.837	PMM2
Model-24	32036725	mRNA	Wang	0.342	JAG2
Model-24	32036725	mRNA	Wang	-0.78	RPN2
Model-25	33536348	mRNA	Li	0.1235	MAP2
Model-25	33536348	mRNA	Li	0.0873	NKAIN4
Model-25	33536348	mRNA	Li	0.2936	VAX2
Model-25	33536348	mRNA	Li	0.0321	CALB2
Model-25	33536348	mRNA	Li	0.3958	FCRL2
Model-25	33536348	mRNA	Li	0.0471	HAND1
Model-25	33536348	mRNA	Li	0.0986	A2ML1
Model-25	33536348	mRNA	Li	0.002	IDO1
Model-25	33536348	mRNA	Li	0.0134	COL22A1
Model-25	33536348	mRNA	Li	0.4143	CD1B
Model-26	36827833	mRNA	Yang	0.033847	SFRP2
Model-26	36827833	mRNA	Yang	0.08733	MIR100HG
Model-26	36827833	mRNA	Yang	0.02377	CYP1B1
Model-26	36827833	mRNA	Yang	0.00135	C5orf46
Model-26	36827833	mRNA	Yang	-0.06617	CXCL13.
Model-27	36319976	mRNA	Wang	0.6374	DKC1
Model-27	36319976	mRNA	Wang	0.7798	NSUN5
Model-27	36319976	mRNA	Wang	0.2717	FLNA
Model-27	36319976	mRNA	Wang	-0.2354	CSE1L
Model-28	36299603	mRNA	chen	-1.74	AARS2
Model-28	36299603	mRNA	chen	0.36	ATF4
Model-28	36299603	mRNA	chen	2.08	CARS2
Model-28	36299603	mRNA	chen	2.98	CRP
Model-28	36299603	mRNA	chen	0.4	CYBA
Model-28	36299603	mRNA	chen	-0.61	FOXO3
Model-28	36299603	mRNA	chen	0.68	GPX1
Model-28	36299603	mRNA	chen	0.06	IL1B
Model-28	36299603	mRNA	chen	0.52	MAPK8
Model-28	36299603	mRNA	chen	0.47	MRPL44
Model-28	36299603	mRNA	chen	0.09	MTFMT
Model-28	36299603	mRNA	chen	1.43	NOS1
Model-28	36299603	mRNA	chen	1.04	OSGIN2
Model-28	36299603	mRNA	chen	0.14	SOD2
Model-29	35848857	mRNA	Han	0.06884398	HSD17B2
Model-29	35848857	mRNA	Han	0.09017162	KLK6
Model-29	35848857	mRNA	Han	0.17856722	FOLR1
Model-29	35848857	mRNA	Han	-0.03860415	HTR2B
Model-29	35848857	mRNA	Han	0.25070634	GAS6
Model-29	35848857	mRNA	Han	0.08315342	CHN2
Model-29	35848857	mRNA	Han	-0.08958095	MMP12
Model-29	35848857	mRNA	Han	-0.065265	SPAG1
Model-29	35848857	mRNA	Han	-0.10217968	CKMT2
Model-29	35848857	mRNA	Han	-0.13004981	GZMB
Model-29	35848857	mRNA	Han	-0.25104036	CRYM
Model-29	35848857	mRNA	Han	-0.43832989	RAB15
Model-29	35848857	mRNA	Han	-0.3750716	DIMT1
Model-29	35848857	mRNA	Han	0.07178523	KCNE3
Model-29	35848857	mRNA	Han	0.16357082	NT5E
Model-29	35848857	mRNA	Han	0.06645897	EPHA2
Model-29	35848857	mRNA	Han	0.3001942	PCDHB2
Model-30	35698180	mRNA	Wang	-0.0229	CDH1
Model-30	35698180	mRNA	Wang	-0.0153	HLA-DRA
Model-30	35698180	mRNA	Wang	-0.0134	CCL11
Model-30	35698180	mRNA	Wang	-0.011	NOS2
Model-30	35698180	mRNA	Wang	-0.01	NAT2
Model-30	35698180	mRNA	Wang	-0.0011	TP53
Model-30	35698180	mRNA	Wang	0.0414	TIMP1

CRC, colorectal cancer.