

**Supplementary table 2. Preliminary plasma colon cancer early-detection markers.** Novel pre-diagnostic markers were discovered from plasma samples collected from the patients who were diagnosed with colon cancer within 3 years after the blood draw. Seventy-nine pre-diagnostic plasma samples were compared to 79 matched controls. Proteomic analysis by antibody microarray revealed that a total 78 proteins were increased (positive odds ratio, OR) in pre-diagnostic samples from people that develop cancer at a cut-off of  $p \leq 0.015$  and  $AUC \geq 0.60$ . ‘Ab1 or Ab2’ in parentheses indicates the same protein was detected by 2 different antibodies. Sens: sensitivity at 90% specificity.

Gene	OR	p value	q value	AUC	*Sens	Gene	OR	p value	q value	AUC	*Sens
IL1B	0.620	0.001	0.174	0.73	37.8%	RAC1 (Ab1)	0.429	0.005	0.191	0.65	17.6%
EVI1	0.535	0.009	0.191	0.61	33.3%	SMO	0.411	0.011	0.191	0.63	17.6%
ITGA2	0.447	0.008	0.191	0.70	32.8%	PALB2	0.415	0.004	0.191	0.66	17.4%
BAG4	0.642	0.001	0.174	0.66	32.1%	MAPK1	0.373	0.006	0.191	0.62	16.9%
ZBTB22	0.428	0.011	0.191	0.63	27.9%	BRCA1	0.408	0.007	0.191	0.60	16.7%
PIK3CA	0.519	0.001	0.174	0.66	27.8%	GRB2	0.445	0.011	0.191	0.62	16.7%
TBC1D3	0.524	0.001	0.174	0.67	26.4%	MSMB	0.457	0.005	0.191	0.64	16.7%
LOC441347	0.526	0.001	0.174	0.67	26.0%	GPR125	0.367	0.013	0.193	0.65	16.5%
EGFR (Ab1)	0.380	0.012	0.191	0.63	25.6%	SOX2	0.371	0.013	0.193	0.60	16.0%
VWF	0.338	0.011	0.191	0.62	25.0%	KDM5D	0.403	0.006	0.191	0.64	15.6%
GABRP	0.485	0.004	0.191	0.63	24.4%	FLT3	0.370	0.008	0.191	0.63	15.4%
EDNRA	0.343	0.013	0.191	0.63	24.1%	MDM2	0.451	0.003	0.182	0.64	15.4%
GCN1L1	0.610	0.000	0.174	0.69	23.4%	SERPING1	0.526	0.002	0.177	0.64	15.4%
PHYH	0.468	0.008	0.191	0.62	23.0%	CCND3	0.360	0.009	0.191	0.62	15.2%
UBE2S	0.419	0.003	0.182	0.64	22.8%	BRCA2	0.369	0.010	0.191	0.60	15.1%
VIP	0.498	0.002	0.176	0.64	22.1%	NOS3	0.411	0.010	0.191	0.64	14.9%
BIN1	0.434	0.007	0.191	0.65	21.9%	ANGPT1	0.402	0.006	0.191	0.63	14.7%
CCNB2	0.413	0.012	0.191	0.61	21.3%	CD8a	0.456	0.002	0.174	0.66	14.3%
GSDMB	0.431	0.005	0.191	0.65	21.1%	BIRC3	0.478	0.002	0.174	0.65	14.1%
CC2D1A	0.408	0.012	0.191	0.62	20.8%	BTG1	0.419	0.007	0.191	0.64	14.1%
PHB	0.419	0.014	0.198	0.62	20.5%	SELP	0.407	0.005	0.191	0.62	14.1%
ERCC5	0.451	0.007	0.191	0.62	19.7%	FN1 (Ab1)	0.424	0.012	0.191	0.63	13.9%
KIF20A	0.476	0.002	0.174	0.65	19.7%	PRL	0.445	0.006	0.191	0.63	13.9%
ANXA5	0.378	0.004	0.191	0.64	19.5%	WDR1	0.469	0.002	0.174	0.65	13.9%
MLL3	0.495	0.002	0.174	0.67	19.4%	SPP1 (Ab2)	0.416	0.011	0.191	0.63	13.9%
CD44	0.462	0.005	0.191	0.63	19.2%	ALCAM	0.455	0.006	0.191	0.66	13.6%
RAB7L1	0.348	0.009	0.191	0.61	19.0%	BATF	0.374	0.009	0.191	0.61	13.5%
NPTX2	0.420	0.008	0.191	0.62	18.9%	NAT1	0.468	0.002	0.174	0.68	13.2%
SSBP2	0.635	0.002	0.174	0.65	18.7%	CSMD3	0.386	0.009	0.191	0.64	13.0%
LYPD1	0.434	0.002	0.176	0.64	18.4%	FN1 (Ab2)	0.427	0.006	0.191	0.64	13.0%
ANKRD6	0.393	0.012	0.191	0.61	18.2%	grn	0.400	0.010	0.191	0.64	13.0%
CDC25C	0.478	0.002	0.174	0.66	18.2%	NAIP	0.410	0.008	0.191	0.63	13.0%
MARCKSL1	0.449	0.005	0.191	0.65	18.2%	CDK4	0.391	0.014	0.202	0.62	12.7%
IL6ST	0.483	0.015	0.205	0.61	18.1%	RAC1 (Ab2)	0.347	0.013	0.191	0.62	12.7%
CD4	0.383	0.013	0.191	0.61	17.9%	TCF4	0.391	0.010	0.191	0.60	10.7%
TMSB10	0.499	0.004	0.191	0.65	17.8%	EGFR (Ab2)	0.373	0.009	0.191	0.63	10.4%
SPP1 (Ab1)	0.431	0.012	0.191	0.63	17.7%	SV2A	0.405	0.004	0.191	0.65	10.4%
CHEK1	0.379	0.009	0.191	0.61	17.7%	HOXA3	0.429	0.005	0.191	0.65	9.2%
PBX3	0.393	0.011	0.191	0.61	17.7%	NBN	0.349	0.009	0.191	0.63	7.9%

\*Sensitivity at 90% specificity