

**Supplementary Table 1 Association of circulating FPR and clinical baseline characteristics in 2917 patients with stage I-IV colorectal cancer.**

Characteristic	Subgroup	Stage I CRC			Stage II CRC			Stage III CRC			Stage IV CRC		
		H-FPR	L-FPR	<i>p</i> -value	H-FPR	L-FPR	<i>p</i> -value	H-FPR	L-FPR	<i>p</i> -value	H-FPR	L-FPR	<i>p</i> -value
Age	≥60	78	164		298	276		142	407		218	149	
	<60	17	9	0.001	144	280	<0.001	124	253	0.020	161	197	<0.001
Sex	Female	37	74		177	205		97	258		176	157	
	Male	58	99	0.543	265	351	0.305	169	402	0.457	203	189	0.774
Smoking	Yes	8	27		78	88		50	63		64	61	
	NO	87	146	0.095	364	468	0.443	216	597	<0.001	315	285	0.791
Drinking	Yes	5	24		55	67		37	52		52	52	
	NO	90	149	0.039	387	489	0.851	229	608	0.005	327	294	0.616
Diabetes	Yes	12	12		42	21		23	45		31	22	
	NO	83	161	0.118	400	535	<0.001	243	615	0.334	348	324	0.347
Hypertension	Yes	20	21		78	69		39	83		69	28	
	NO	75	152	0.052	364	487	0.020	227	577	0.396	310	318	<0.001
pT stage	T1-2	95	173		0	0		10	74		1	10	
	T3-4	0	0		442	556		256	586		145	155	
pN stage	NA	-	-		-	-		-	-		233	181	
	N0	0	0		0	0		0	0		41	58	
Distal metastasis	N1-2	0	0		0	0		266	660		102	102	
	NA	-	-		-	-		-	-		236	186	
Differentiation	No	0	0		0	0		0	0		0	0	
	Yes	0	0		0	0		0	0		379	346	
CEA	G1-2	90	165		413	526		220	589		139	141	
	G3-4	5	8		29	30		46	71		28	21	
CA199	NA	-	-	0.776	-	-	0.438	-	-	0.007	212	184	
	low	79	155		295	443		143	418		87	138	
CA199	High	16	18	0.130	147	123	<0.001	123	242	0.007	292	208	<0.001
	low	90	167		360	486		175	533		159	183	
	high	5	6	0.527	82	70	0.009	91	127	<0.001	220	163	0.003

Location	Proximal colon	10	17		202	256		102	103		129	63	
	Left-sided colon	85	156	0.856	240	300	0.914	164	557	<0.001	250	283	<0.001
Recurrence	Yes	18	17		141	91		167	227		341	224	
	No	77	156	0.034	301	465	<0.001	99	443	<0.001	38	122	<0.001
Death	Yes	8	4		97	35		115	117		249	147	
	No	87	169	0.029	345	521	<0.001	151	543	<0.001	31	109	<0.001

**Abbreviation:** CRC: colorectal cancer; FPR: fibrinogen-to-pre-albumin ratio; NA: not variable; H- and L-FPR within stage I patient: FPR $\geq$ 14.6 and FPR<14.6 within stage I CRC patient; H- and L-FPR within stage I patient: FPR $\geq$ 14.6 and FPR<14.6 within stage I CRC patient; H- and L-FPR within stage II patient: FPR $\geq$ 16.5 and FPR<16.5 within stage II CRC patient; H- and L-FPR within stage I patient: FPR $\geq$ 19.5 and FPR<19.5 within stage III CRC patient; H- and L-FPR within stage IV patient: FPR $\geq$ 22.8 and FPR<22.8 within stage I CRC patient.