

Table S1 The clinicopathological characteristics of 197 CRC patients in TMA

Sample ID	Status	Survival time (months)	Gender	Age (years)	BMI	Differentiation	Tumor size (cm)	AJCC stage	T stage	N stage	M stage	COL10A1 expression
33702928	Dead	24	Male	55	22.86	Moderate	5	III C	T4	N2	M0	High
34052239	Alive	11	Female	34	22.58	Poor	2.5	II B	T4	N0	M0	Low
ZA3685975	Alive	36	Female	46	26.67	Moderate	4	II B	T4	N0	M0	Low
34056080	Alive	35	Female	59	23.61	Moderate	3.5	I	T1	N0	M0	High
ZA4300968	Alive	35	Male	21	23.53	Moderate	6.5	II B	T4	N0	M0	Low
34057344	Alive	36	Male	46	29.35	Moderate	4	II B	T4	N0	M0	Low
34047328	Dead	23	Female	26	18.75	Poor	9	III B	T4	N1	M0	High
34050451	Dead	30	Female	41	25.48	Well	5.5	IV	T4	N1	M1	High
34060237	Alive	36	Male	55	19.47	Moderate	4.6	III B	T3	N1	M0	Low
ZA4299102	Dead	29	Female	65	26.72	Moderate	3.5	II B	T4	N0	M0	High
ZA4301521	Alive	36	Female	43	20	Moderate	1.6	II B	T4	N0	M0	Low
ZA4458832	Alive	34	Male	64	21.45	Well	3	IV	T4	N0	M1	Low
34060131	Alive	36	Female	49	18.8	Well	5	II B	T4	N0	M0	Low
34060302	Dead	8	Male	64	26.81	Moderate	3	II B	T4	N0	M0	High
34048331	Alive	36	Male	57	20.55	Moderate	3	II B	T4	N0	M0	Low
34060592	Alive	37	Male	60	18.42	Poor	2.8	III C	T4	N2	M0	Low
ZA4300182	Dead	11	Female	73	22.1	Poor	4	IV	T4	N1	M1	High
34058136	Dead	13	Female	66	32.85	Moderate	5	IV	T4	N1	M1	High
YB0116032	Alive	37	Male	71	24.73	Well	1.5	II B	T4	N0	M0	Low
34061235	Alive	37	Female	44	26.77	Well	3	I	T2	N0	M0	Low
ZA4439175	Dead	6	Male	51	24.09	Moderate	4.3	III C	T4	N2	M0	High
ZA4296735	Alive	37	Male	63	25.71	Moderate	6.2	II A	T3	N0	M0	Low
ZA3704720	Alive	37	Female	30	18.73	Poor	3.5	III A	T2	N1	M0	Low

34064915	Alive	37	Male	33	20.58	Well	4	<b>II B</b>	T4	N0	M0	Low
ZA4342815	Alive	37	Female	44	16.77	Well	3	<b>II B</b>	T4	N0	M0	High
34067130	Dead	3	Male	61	21.61	Well	4	<b>IV</b>	T4	N1	M1	High
ZA4308146	Alive	37	Male	48	27.55	Well	2	<b>III B</b>	T4	N1	M0	Low
ZA4299478	Alive	37	Male	55	20.2	Moderate	8	<b>III B</b>	T4	N1	M0	Low
34068635	Alive	10	Female	68	19.63	Moderate	2.5	<b>II B</b>	T4	N0	M0	Low
ZA4267597	Alive	35	Male	76	25.18	Moderate	2.7	<b>I</b>	T2	N0	M0	High
34070466	Alive	35	Female	65	20.55	Moderate	6	<b>III B</b>	T4	N1	M1	Low
34070776	Alive	31	Male	38	26.99	Poor	1.5	<b>III B</b>	T4	N1	M0	Low
ZA4265934	Alive	35	Female	59	21.64	Moderate	4	<b>I</b>	T2	N0	M0	High
34023277	Alive	35	Male	67	23.93	Moderate	9	<b>I</b>	T2	N0	M0	Low
34013781	Alive	35	Male	58	21.63	Moderate	1	<b>II A</b>	T3	N0	M0	Low
34071137	Alive	35	Male	66	26.64	Moderate	4	<b>II B</b>	T4	N0	M0	High
ZA4266389	Alive	35	Male	75	25.61	Moderate	4	<b>I</b>	T2	N0	M0	High
ZA4264443	Alive	35	Male	58	25.95	Moderate	1	<b>III C</b>	T2	N2	M0	Low
34069727	Alive	35	Female	39	26.3	Well	1	<b>III C</b>	T4	N2	M0	Low
34073843	Alive	35	Male	50	21.05	Moderate	5.5	<b>II B</b>	T4	N0	M0	Low
QA0026867	Alive	35	Male	74	24.74	Well	4	<b>II B</b>	T3	N1	M0	Low
34072791	Dead	32	Male	48	24.98	Moderate	9	<b>IV</b>	T4	N2	M1	High
ZA4413631	Alive	35	Male	63	23.01	Moderate	2.5	<b>II A</b>	T3	N0	M0	Low
34075243	Dead	10	Male	52	29.41	Moderate	7	<b>IV</b>	T3	N2	M1	Low
ZA4287705	Alive	35	Male	64	20.73	Moderate	3.6	<b>II B</b>	T4	N0	M0	Low
ZA3137069	Dead	10	Male	73	23.31	Moderate	3.5	<b>IV</b>	T4	N2	M1	Low
ZA4377310	Dead	8	Female	80	18.36	Moderate	6	<b>IV</b>	T4	N0	M1	Low
34063537	Alive	35	Female	58	30.11	Moderate	2	<b>I</b>	T2	N0	M0	Low
34072970	Alive	35	Male	43	25.21	Moderate	2	<b>II B</b>	T4	N0	M0	High
ZA4286702	Alive	35	Male	49	19.92	Well	7	<b>IV</b>	T4	N1	M1	High

ZA4286776	Dead	30	Male	35	19.92	Well	4	<b>III B</b>	T4	N1	M0	Low
34075085	Dead	30	Male	78	21.22	Moderate	3	<b>II A</b>	T3	N0	M0	Low
34076486	Alive	35	Male	59	24.24	Moderate	4	<b>II B</b>	T4	N0	M0	Low
QA0027075	Alive	35	Female	56	20.31	Moderate	2.5	<b>III A</b>	T2	N1	M0	Low
34077509	Alive	35	Male	62	24.22	Moderate	6	<b>II B</b>	T4	N0	M0	Low
34078169	Alive	35	Male	57	22.14	Well	7.5	<b>I</b>	Tis	N0	M0	Low
34077369	Dead	26	Male	57	24.46	Moderate	9	<b>IV</b>	T4	N2	M1	Low
ZA4276460	Alive	35	Female	44	20.2	Well	4	<b>III C</b>	T2	N2	M0	High
QA0027125	Alive	35	Male	64	25.78	Moderate	2.5	<b>II B</b>	T4	N0	M0	High
34077500	Alive	35	Male	55	26.2	Moderate	5.5	<b>I</b>	T2	N0	M0	Low
ZA3456829	Alive	35	Male	54	24.91	Moderate	7	<b>II B</b>	T4	N0	M0	Low
34074521	Alive	35	Male	76	20.83	Well	3	<b>I</b>	T1	N0	M0	Low
ZA4256467	Alive	35	Male	70	23.8	Moderate	3	<b>I</b>	T1	N0	M0	Low
33480719	Alive	35	Male	55	22	Moderate	8	<b>I</b>	T2	N0	M0	Low
QA0026208	Alive	34	Male	57	22.58	Well	3	<b>II B</b>	T4	N0	M0	Low
33738551	Alive	34	Female	71	23.01	Moderate	4	<b>II B</b>	T4	N0	M0	Low
34086372	Alive	34	Male	52	21.26	Moderate	2	<b>III B</b>	T4	N1	M0	Low
34084051	Alive	34	Female	62	26.67	Moderate	2.5	<b>III B</b>	T4	N1	M0	Low
34086107	Alive	34	Male	63	24.34	Poor	2.5	<b>III B</b>	T4	N1	M0	High
34086772	Alive	33	Male	49	21.95	Moderate	3	<b>III B</b>	T4	N1	M0	Low
34085446	Alive	34	Male	45	21.26	Moderate	3	<b>II B</b>	T4	N0	M0	High
ZA4416372	Alive	34	Male	48	26.56	Moderate	3	<b>III B</b>	T3	N1	M0	Low
34041719	Alive	31	Male	49	19.33	Well	6	<b>II B</b>	T4	N0	M0	Low
34083819	Alive	34	Male	57	22.86	Moderate	4	<b>II B</b>	T3	N0	M0	High
34089319	Alive	13	Male	44	27.25	Moderate	3	<b>II B</b>	T4	N0	M0	Low
ZA4464476	Dead	33	Male	69	23.44	Moderate	2	<b>II B</b>	T4	N0	M0	Low
34089620	Alive	33	Female	56	27.85	Moderate	4	<b>III B</b>	T4	N1	M0	Low

34086783	Alive	21	Male	48	17.63	Moderate	3	<b>II B</b>	T4	N0	M0	Low
34086866	Alive	30	Female	70	21.27	Moderate	4	<b>II B</b>	T4	N0	M0	High
ZA3137081	Dead	34	Male	51	20.96	Moderate	8	<b>III B</b>	T4	N1	M0	Low
ZA3530778	Dead	32	Male	74	25.18	Well	10.5	<b>III B</b>	T4	N1	M0	Low
QA0026936	Alive	34	Female	79	21.7	Moderate	4	<b>I</b>	T2	N0	M0	Low
34091788	Alive	33	Male	37	20.44	Moderate	3.5	<b>II B</b>	T4	N0	M0	Low
34094911	Alive	33	Male	32	20.06	Well	3	<b>I</b>	T2	N0	M0	Low
34093636	Alive	32	Female	63	22	Well	6.5	<b>I</b>	T2	N0	M0	Low
34096022	Alive	32	Female	47	26.3	Moderate	3	<b>II B</b>	T4	N0	M0	Low
34096064	Alive	33	Female	65	23.1	Moderate	3	<b>II B</b>	T4	N0	M0	Low
34095969	Alive	32	Female	68	21.37	Moderate	4	<b>IV</b>	T4	N1	M1	Low
34096393	Alive	33	Female	62	25.64	Moderate	2.5	<b>IV</b>	T4	N1	M1	Low
QA0026775	Alive	33	Male	46	27.68	Moderate	3	<b>III B</b>	T4	N1	M0	Low
QA0026629	Alive	33	Male	49	31.62	Moderate	1	<b>II A</b>	T3	N0	M0	Low
34057519	Alive	33	Female	48	21.45	Well	3	<b>III B</b>	T4	N1	M0	Low
34099588	Alive	33	Female	61	18	Well	5.5	<b>II B</b>	T4	N0	M0	Low
34102841	Alive	33	Male	54	23	Moderate	3	<b>III B</b>	T4	N1	M0	High
34103204	Alive	32	Male	58	20.9	Moderate	1	<b>II B</b>	T4	N0	M0	Low
34103115	Alive	32	Female	65	23.23	Moderate	7	<b>III B</b>	T4	N1	M0	High
34106217	Alive	32	Female	63	26.67	Moderate	1.5	<b>III B</b>	T4	N1	M0	Low
34093155	Alive	32	Male	51	20.62	Moderate	3	<b>III B</b>	T4	N1	M0	High
34102631	Dead	24	Female	65	28	Well	5.5	<b>III B</b>	T4	N1	M0	Low
ZA4249153	Dead	21	Male	45	22.76	Moderate	3	<b>III B</b>	T4	N1	M0	Low
34109261	Alive	33	Male	49	30.41	Moderate	10	<b>III B</b>	T4	N1	M0	Low
ZA4367280	Alive	33	Female	72	21.05	Moderate	4	<b>III B</b>	T4	N1	M0	Low
34111617	Alive	32	Male	53	25.95	Moderate	6	<b>II B</b>	T4	N0	M0	Low
34113045	Alive	32	Male	58	22.49	Moderate	4	<b>I</b>	T2	N0	M0	Low

34110171	Alive	32	Female	44	19.2	Moderate	2.5	<b>II B</b>	T4	N0	M0	Low
34107214	Dead	15	Male	75	19.2	Moderate	4.2	<b>IV</b>	T4	N1	M1	Low
ZA4295870	Alive	32	Male	63	19.92	Well	6	<b>IIIA</b>	T2	N1	M0	High
34106097	Alive	33	Male	54	22.99	Moderate	3.2	<b>I</b>	T2	N0	M0	Low
ZA4407660	Alive	32	Female	65	17.48	Moderate	4.3	<b>II B</b>	T4	N0	M0	High
ZA0289648	Alive	32	Female	45	20.69	Moderate	4.5	<b>I</b>	T1	N0	M0	High
34118018	Alive	31	Female	23	19.98	Moderate	3.5	<b>II A</b>	T3	N0	M0	Low
34117683	Alive	32	Male	74	22.1	Moderate	3.1	<b>I</b>	T2	N0	M0	Low
34096260	Dead	12	Female	80	18.9	Moderate	3.8	<b>IV</b>	T4	N0	M1	Low
ZA0799850	Alive	32	Male	62	21.41	Moderate	4	<b>I</b>	T2	N0	M0	Low
34117878	Alive	31	Female	24	14.57	Moderate	3.5	<b>IIIB</b>	T4	N1	M0	Low
ZA4420755	Alive	31	Female	73	16.65	Poor	12	<b>II B</b>	T4	N0	M0	Low
34124426	Alive	32	Male	55	21.77	Moderate	1	<b>II B</b>	T4	N0	M0	Low
34121819	Dead	6	Male	53	25.73	Well	5	<b>IIIB</b>	T4	N1	M0	Low
34122964	Dead	11	Male	62	21	Moderate	4	<b>IV</b>	T4	N1	M1	High
ZA4420640	Dead	21	Male	59	23.83	Well	2.5	<b>IV</b>	T4	N1	M1	Low
34123925	Alive	30	Male	65	16.61	Well	7	<b>II B</b>	T4	N0	M0	Low
34071486	Alive	31	Male	65	21.11	Well	4.5	<b>II B</b>	T4	N0	M0	Low
34126856	Dead	5	Female	64	26.77	Moderate	5	<b>IIIC</b>	T4	N2	M0	Low
ZA4283302	Alive	31	Male	64	20.28	Moderate	3.5	<b>I</b>	T2	N0	M0	Low
34123915	Alive	31	Male	63	19.1	Well	4.2	<b>II B</b>	T4	N0	M0	High
ZA4385531	Alive	31	Female	63	22.22	Well	3	<b>IIIB</b>	T4	N1	M0	Low
ZA4343531	Alive	31	Male	49	24.06	Moderate	4	<b>IIIB</b>	T4	N1	M0	Low
ZA4421152	Alive	31	Female	60	20.35	Moderate	7	<b>II B</b>	T4	N0	M0	High
34129241	Alive	31	Male	46	19.72	Moderate	6	<b>II A</b>	T3	N0	M0	Low
34130684	Dead	20	Male	60	21.77	Moderate	6	<b>IIIB</b>	T4	N1	M0	High
ZA4397058	Alive	30	Male	45	25.47	Moderate	4	<b>I</b>	T2	N0	M0	Low

34131920	Alive	30	Female	62	21.37	Moderate	4	<b>II B</b>	T4	N0	M0	High
QA0026060	Alive	31	Male	72	24.22	Moderate	4	<b>I</b>	T1	N0	M0	Low
ZA0703048	Dead	31	Female	52	21.3	Moderate	6	<b>IV</b>	T4	N1	M1	High
ZA4260759	Alive	30	Female	58	25.45	Well	4	<b>II B</b>	T4	N0	M0	High
QA0027420	Alive	30	Female	50	21.64	Moderate	3	<b>III B</b>	T4	N1	M0	Low
YB0030239	Dead	30	Male	74	22.49	Moderate	7	<b>III B</b>	T4	N1	M0	High
ZA4385196	Alive	30	Female	46	16.65	Moderate	1	<b>II B</b>	T4	N0	M0	Low
34131041	Dead	2	Male	60	25.71	Moderate	7	<b>III B</b>	T4	N1	M0	Low
ZA4258635	Alive	30	Female	64	19.74	Moderate	2	<b>III B</b>	T4	N1	M0	Low
34134672	Alive	30	Male	68	20.58	Well	2	<b>III C</b>	T2	N2	M0	Low
ZA4271938	Dead	2	Female	54	27.11	Moderate	6.5	<b>II B</b>	T4	N0	M0	Low
33646671	Dead	1	Female	59	22.51	Moderate	2.5	<b>II B</b>	T4	N0	M0	High
34139935	Alive	30	Male	37	21.12	Moderate	5	<b>II B</b>	T4	N0	M0	Low
ZA4186480	Alive	30	Male	75	19.49	Moderate	3	<b>III A</b>	T2	N1	M0	Low
ZA2120631	Alive	30	Female	49	24.99	Moderate	5	<b>II B</b>	T4	N0	M0	Low
ZA4980393	Alive	30	Female	69	21.08	Moderate	7	<b>II B</b>	T4	N0	M0	Low
ZA4320832	Dead	28	Female	58	18.3	Moderate	10	<b>III B</b>	T4	N1	M0	Low
ZA5095424	Alive	30	Female	63	22.48	Well	3.5	<b>II B</b>	T4	N0	M0	Low
ZA4981715	Alive	30	Female	73	22.89	Well	4.5	<b>I</b>	T2	N0	M0	High
ZA4442046	Alive	31	Female	52	24.56	Moderate	4	<b>II A</b>	T3	N0	M0	High
ZA4981952	Alive	30	Female	72	22.39	Well	5.5	<b>II A</b>	T3	N0	M0	Low
34145162	Alive	30	Female	72	25.56	Moderate	10	<b>II B</b>	T4	N0	M0	Low
ZA4997952	Alive	30	Female	52	20.76	Moderate	4.5	<b>III C</b>	T4	N2	M0	Low
YB0054517	Dead	15	Female	72	26	Moderate	3	<b>II B</b>	T4	N0	M0	Low
ZA5094436	Alive	32	Male	70	19.72	Moderate	4	<b>II B</b>	T4	N0	M0	Low
34148948	Alive	30	Male	60	24.2	Moderate	1	<b>III B</b>	T4	N1	M0	Low
34148362	Dead	12	Male	27	18.51	Poor	5.5	<b>III B</b>	T4	N1	M0	Low

34148948	Alive	12	Male	60	24.2	Moderate	8	<b>III B</b>	T4	N1	M0	High
ZA42843024	Alive	30	Male	82	19.71	Moderate	7	<b>II A</b>	T3	N0	M0	High
34153281	Alive	30	Female	66	24.89	Moderate	5	<b>I</b>	T2	N0	M0	High
ZA3558869	Alive	37	Male	30	24.11	Poor	5.5	<b>III B</b>	T4	N0	M0	High
34157140	Alive	37	Male	26	16.23	Moderate	2.5	<b>II B</b>	T4	N0	M0	High
YB0017557	Alive	37	Male	58	26.56	Moderate	4	<b>II B</b>	T4	N0	M0	High
34153574	Alive	37	Male	66	25	Well	5.4	<b>I</b>	T2	N0	M0	High
ZA4990052	Dead	5	Male	46	19.9	Moderate	4	<b>III C</b>	T4	N2	M0	High
34155419	Alive	37	Female	74	24.99	Well	8	<b>III B</b>	T4	N1	M0	High
34115494	Alive	37	Female	56	22.43	Moderate	6	<b>II A</b>	T3	N0	M0	High
34163311	Dead	20	Female	65	21.57	Moderate	4	<b>II B</b>	T4	N0	M0	Low
34159093	Alive	30	Male	77	16	Moderate	5	<b>III C</b>	T4	N2	M0	Low
ZA5081192	Alive	20	Male	51	19.49	Well	11	<b>III B</b>	T3	N1	M0	High
ZA4250352	Dead	9	Male	69	17.3	Moderate	4	<b>II B</b>	T4	N0	M0	High
34161552	Alive	36	Male	68	21.3	Moderate	4	<b>I</b>	T2	N0	M0	High
34157378	Dead	17	Male	57	22.65	Moderate	10	<b>IV</b>	T3	N0	M1	High
ZA5066485	Dead	7	Female	46	20.93	Poor	4	<b>III B</b>	T4	N1	M0	High
34164588	Alive	36	Female	70	23.52	Moderate	7	<b>II B</b>	T4	N0	M0	High
ZA4250546	Alive	36	Male	61	25.88	Moderate	5	<b>II B</b>	T3	N0	M0	High
ZA4250431	Alive	36	Male	34	16.63	Moderate	7	<b>III B</b>	T4	N1	M0	High
ZA3841082	Dead	13	Female	64	27.47	Moderate	6.5	<b>IV</b>	T4	N0	M1	High
34107021	Dead	14	Male	59	24.22	Moderate	2.7	<b>IV</b>	T4	N0	M1	High
34169458	Alive	30	Male	69	19.25	Moderate	3	<b>III B</b>	T4	N1	M0	Low
QA0017262	Alive	30	Male	74	23	Moderate	4	<b>I</b>	T1	N0	M0	High
ZA4280678	Alive	30	Female	70	23.56	Moderate	4	<b>II B</b>	T4	N0	M0	High
34096882	Alive	30	Female	53	23.44	Moderate	3	<b>II B</b>	T4	N0	M0	Low
34172034	Alive	30	Male	62	20.69	Well	1	<b>II B</b>	T4	N0	M0	Low

34107696	Alive	30	Female	51	23.9	Poor	1	<b>II B</b>	T4	N0	M0	Low
34104924	Alive	30	Male	63	23	Moderate	3.5	<b>II A</b>	T3	N0	M0	High
34170567	Alive	30	Male	61	25.95	Well	4	<b>I</b>	Tis	N0	M0	High
34172606	Alive	30	Male	56	22	Moderate	2	<b>III B</b>	T4	N1	M0	Low
34121663	Alive	30	Male	39	24	Well	3	<b>II B</b>	T4	N0	M0	Low
QA0027745	Alive	30	Male	65	25.46	Moderate	1	<b>III B</b>	T3	N1	M0	Low
ZA4766148	Dead	29	Male	75	21.45	Well	4	<b>II B</b>	T4	N0	M0	High
34176212	Dead	32	Male	43	31.22	Well	3	<b>III C</b>	T3	N2	M0	High
ZA3610021	Alive	30	Male	57	18	Well	4	<b>II B</b>	T4	N0	M0	Low
ZA4764251	Alive	30	Male	40	25.39	Poor	6.5	<b>III B</b>	T4	N1	M0	Low
33488273	Alive	30	Female	64	23.51	Poor	7	<b>II B</b>	T4	N0	M0	Low
34091177	Dead	29	Male	48	24.49	Moderate	7	<b>II A</b>	T3	N0	M0	High