











Case	Gender	Age	Grade		Sphere
				Dukes stage	formation
1	male	57	Moderate	С	No
2	male	37	Mucinous	С	No
3	male	69	Moderate to Poor	С	No
4	male	44	Moderate	С	Yes
5	male	34	Moderate	С	Yes
6	female	45	Moderate	С	Yes
7	male	78	Moderate	С	No
8	female	38	Moderate	С	No
9	female	55	Moderate	В	Yes
10	male	38	Moderate	В	No
11	male	48	Moderate	С	Yes
12	female	62	Moderate	С	No
13	male	44	Moderate	С	No
14	female	76	Moderate	В	No
15	female	62	Moderate	А	Yes
16	male	66	Moderate	В	Yes
17	male	73	Moderate	В	No
18	female	49	Moderate to Poor	В	No
19	male	55	Moderate	С	No
20	female	75	Moderate	В	Yes
21	male	61	Moderate	С	No
22	female	39	Mucinous	С	Yes
23	male	71	Moderate	В	No
24	male	72	Moderate	С	Yes
25	male	74	Moderate	В	No
26	male	86	Poor	С	No

Supplementary Table 1. Case description of rectal cancer cells

27	female	70	Moderate to Poor	В	Yes
28	male	64	Moderate	В	No
29	male	69	Moderate	С	Yes
30	female	51	Moderate	С	No
31	female	72	Moderate	В	NA
32	male	69	Moderate to Poor	С	NA
33	male	48	Moderate	С	NA

Supplementary Table 2. Survival of mice-bearing derived from different cell

Cell	Drugs	Media	Survival at 90	Survival at	P value
populations		survival(%)	d(%)	120 d(%)	
	Cetuximab	86	50	0	0.748
CD44+CD54+	FolFox	73.5	16.67	0	0.824
CD44+CD34+	FolFox+Cetuximab	77	0	0	0.207
	control	80	40	0	-
	Cetuximab	90.5	50	NA	0.012
CD44+CD54-	FolFox	92.5	66.67	NA	0.001
CD44+CD34-	FolFox+Cetuximab	83.5	33.33	NA	0.067
	control	73.5	0	NA	-
	Cetuximab	Underdefined *	100	66.67	0.003
Caco-2	FolFox	Underdefined *	100	83.33	0.003
Caco-2	FolFox+Cetuximab	Underdefined *	100	83.33	0.003
	Control	80	20	0	-

subpopulation and treated with drugs therapy

NA, Not assessed