

Patient number	Cancer type	10X version	Cells	Sample type	Tumour site	UMIs	Saturation (%)	Reads
LC_1	LC	3' V1	175	Tumour	Core	799,729	97.0	52,617,854
LC_1	LC	3' V1	251	Tumour	Core	1,268,737	96.6	67,690,218
LC_1	LC	3' V1	98	Tumour	Middle	616,179	98.1	80,569,121
LC_1	LC	3' V1	302	Tumour	Middle	1,489,983	95.9	70,372,636
LC_1	LC	3' V1	294	Tumour	Border	1,343,488	96.2	62,162,902
LC_1	LC	3' V1	353	Tumour	Border	1,657,136	95.7	62,589,463
LC_2	LC	3' V1	630	Tumour	Middle	3,000,702	93.2	72,138,927
LC_2	LC	3' V1	31	Tumour	Middle	197,373	99.1	62,127,483
LC_2	LC	3' V1	122	Tumour	Border	808,401	97.4	55,884,196
LC_2	LC	3' V1	356	Normal	na	1,448,126	96.9	86,230,103
LC_2	LC	3' V1	1,541	Tumour	Border	5,726,992	91.7	106,961,758
LC_2	LC	3' V1	119	Tumour	Core	600,577	98.1	58,982,416
LC_3	LC	3' V2	4,123	Tumour	Border	10,382,153	34.1	57,353,853
LC_3	LC	3' V2	4,379	Tumour	Middle	16,341,942	66.6	269,417,085
LC_3	LC	3' V2	3,517	Tumour	Core	16,849,364	82.4	577,327,377
LC_3	LC	3' V2	4,772	Normal	na	23,306,352	84.8	379,171,303
LC_4	LC	3' V2	3,333	Normal	na	6,237,310	28.0	28,594,502
LC_4	LC	3' V2	3,282	Tumour	Border	8,821,660	41.4	57,131,717
LC_4	LC	3' V2	5,164	Tumour	Middle	14,242,253	41.0	77,945,533
LC_4	LC	3' V2	5,493	Tumour	Core	17,827,572	52.3	151,492,569
LC_5	LC	3' V2	3,628	Tumour	Core	11,929,493	32.6	55,851,067
LC_5	LC	3' V2	5,012	Tumour	Outer	12,470,613	39.2	72,825,969
LC_5	LC	3' V2	6,124	Tumour	Middle	27,558,700	81.2	463,180,485
LC_5	LC	3' V2	6,403	Normal	na	32,418,218	72.1	261,340,951
LC_6	LC	3' V2	1,735	Tumour	Core	8,504,629	86.9	260,888,273
LC_6	LC	3' V2	1,429	Tumour	Middle	7,971,658	84.3	245,477,754
LC_6	LC	3' V2	814	Tumour	Border	3,292,751	92.8	289,816,712
LC_6	LC	3' V2	2,971	Normal	na	27,581,832	82.6	285,371,297
LC_7	LC	3' V2	2,902	Tumour	Core	18,403,635	74.1	125,811,122
LC_7	LC	3' V2	3,708	Tumour	Middle	24,084,368	74.1	159,839,357
LC_7	LC	3' V2	3,495	Tumour	Border	23,010,914	74.6	161,368,762
LC_7	LC	3' V2	6,254	Normal	na	26,569,105	67.2	132,227,825
LC_8	LC	3' V2	3,177	Normal	na	13,859,675	90.5	333,385,825
LC_8	LC	3' V2	2,455	Tumour	Border	17,989,693	84.6	330,208,745
LC_8	LC	3' V2	359	Tumour	Middle	22,717,876	85.7	333,583,084
LC_8	LC	3' V2	1,624	Tumour	Core	7,118,507	94.2	363,006,012
OvC_1	OvC	3' V2	8,623	Normal	Omentum	28,052,375	73.5	350,096,261
OvC_1	OvC	3' V2	4,348	Normal	Omentum	18,068,251	82.5	339,448,488
OvC_1	OvC	3' V2	1,432	Tumour	Peritoneum	4,355,115	93.9	250,974,825
OvC_1	OvC	3' V2	1,501	Tumour	Peritoneum	4,958,614	92.9	280,613,748
OvC_1	OvC	3' V2	6,351	Tumour	Ovarium	31,083,122	78.2	400,459,655
OvC_2	OvC	3' V2	5,151	Tumour	Peritoneum	25,746,205	39.7	193,126,055
OvC_3	OvC	3' V2	5,450	Tumour	Peritoneum	26,667,830	81.1	306,251,034
OvC_4	OvC	3' V2	6,257	Tumour	Peritoneum	44,446,808	63.0	298,554,807
OvC_5	OvC	3' V2	1,136	Tumour	Ovarium	5,213,201	87.5	146,559,477
OvC_5	OvC	3' V2	4,865	Normal	Ovarium	19,384,194	67.5	120,336,815
CRC_1	CRC	3' V2	2,712	Tumour	Core	23,040,771	74.1	267,375,232
CRC_1	CRC	3' V2	2,901	Tumour	Border	26,281,216	72.2	275,655,234
CRC_1	CRC	3' V2	2,666	Normal	na	22,077,384	67.6	161,020,595
CRC_2	CRC	3' V2	4,936	Tumour	Core	23,780,187	76.5	266,870,550
CRC_2	CRC	3' V2	4,461	Tumour	Border	20,942,817	79.5	255,400,094
CRC_2	CRC	3' V2	2,478	Normal	na	20,498,399	67.8	149,987,327
CRC_3	CRC	3' V2	2,871	Tumour	Core	21,895,911	68.5	173,029,484
CRC_3	CRC	3' V2	2,323	Tumour	Border	16,041,374	72.5	148,821,159
CRC_3	CRC	3' V2	1,904	Normal	na	8,600,112	77.6	126,457,430
CRC_4	CRC	3' V2	3,770	Tumour	Core	16,529,472	55.0	200,491,544
CRC_4	CRC	3' V2	2,271	Tumour	Border	13,847,003	56.1	158,677,458
CRC_4	CRC	3' V2	1,997	Normal	na	12,355,632	64.4	163,981,182
CRC_5	CRC	3' V2	709	Tumour	Core	2,362,128	83.6	73,852,856
CRC_5	CRC	3' V2	621	Tumour	Border	2,802,982	64.7	69,557,278
CRC_5	CRC	3' V2	1,261	Normal	na	4,250,554	77.0	102,694,399
CRC_6	CRC	3' V2	530	Tumour	Core	1,280,817	69.5	60,655,914
CRC_6	CRC	3' V2	720	Tumour	Border	3,609,540	54.5	97,567,804
CRC_6	CRC	3' V2	1,119	Normal	na	4,621,711	65.4	119,764,778
CRC_7	CRC	3' V2	747	Tumour	Core	5,046,944	46.9	75,192,324
CRC_7	CRC	3' V2	1,054	Tumour	Border	8,723,525	51.5	96,220,238
CRC_7	CRC	3' V2	2,633	Normal	na	14,030,213	67.8	179,638,932
BC_1	BC	5' V2	3,921	Tumour	Biopsy	23,817,225	83.4	331,894,515
BC_2	BC	5' V2	4,876	Tumour	Biopsy	16,583,928	65.8	162,530,552
BC_3	BC	5' V2	4,251	Tumour	Biopsy	20,633,409	85.6	309,676,287
BC_4	BC	5' V2	3,558	Tumour	Biopsy	13,810,634	72.7	154,003,539
BC_5	BC	5' V2	4,472	Tumour	Biopsy	22,094,301	65.8	150,279,221
BC_6	BC	5' V2	201	Tumour	Biopsy	1,310,634	83.0	39,183,120
BC_7	BC	5' V2	1,719	Tumour	Biopsy	15,089,867	71.4	146,585,647
BC_8	BC	5' V2	2,427	Tumour	Biopsy	9,087,189	69.3	151,070,133
BC_9	BC	5' V2	4,616	Tumour	Biopsy	28,428,991	66.8	265,636,248
BC_10	BC	5' V2	902	Tumour	Biopsy	4,088,085	76.3	39,349,726
BC_11	BC	5' V2	4,862	Tumour	Biopsy	28,400,652	65.9	275,631,788
BC_12	BC	5' V2	362	Tumour	Biopsy	1,725,747	81.3	24,816,828
BC_12	BC	3' V2	64	Tumour	Biopsy	323,793	93.5	15,193,301
BC_12	BC	3' V2	1,372	Tumour	Biopsy	8,866,716	77.5	118,432,604
BC_13	BC	5' V2	3,641	Tumour	Biopsy	19,494,370	70.3	219,414,682
BC_14	BC	5' V2	4,216	Tumour	Biopsy	34,749,191	65.8	284,244,840
BC_15	BC	3' V2	4,143	Tumour	Biopsy	20,268,164	56.9	295,259,214
BC_15	BC	3' V2	347	Tumour	Biopsy	2,851,324	55.9	157,883,076
BC_16	BC	3' V2	269	Tumour	Biopsy	1,070,916	67.4	195,421,321

**Supplementary Table S2:** Sequencing metrics of the samples included in this study. Cancer types are lung cancer (LC), colorectal cancer (CRC), ovarian cancer (OvC) and breast cancer (BC). Single cell suspensions were converted to single cell RNA sequencing libraries using 10X genomics kits with 3' V1 3' V2 or 5' V2 chemistry; UMI: unique molecular identifier, equivalent to a unique detected transcript; sequencing saturation and total number of sequenced reads.