

Table S1. Average number of nuclei per 10-micron xenograft tissue section.

Xenograft Tumor Type	Sample ID	Density Nucleus (# nuclei/mm ²)	# All Nucleus (5 μ m sections)	# All Nucleus (10 μ m sections*)	Average Nuclei per 10 μ m section (Top + Bottom)/2
Clear cell renal cell carcinoma	786-0 (25) Top	4382.3	109303	218606	116812
	786-0 (25) Bottom	3987.4	7509	15018	
	786-0 (27) Top	4262.9	11453	22906	62203
	786-0 (27) Bottom	4250.9	50750	101500	
	786-0 (28) Top	3889.1	71217	142434	105647
	786-0 (28) Bottom	4005.1	34430	68860	
	UM-RC-2 (29) Top	2789.2	52441	104882	158112
	UM-RC-2 (29) Bottom	3210.7	105671	211342	
	UM-RC-2 (30) Top	4385.7	27480	54960	86829
	UM-RC-2 (30) Bottom	3402.4	59349	118698	
UM-RC-2 (32) Top	3417.3	66355	132710	103136	
UM-RC-2 (32) Bottom	3315.9	36781	73562		
Ewing sarcoma	A673 (45) Top	8257.7	353762	707524	786964
	A673 (45) Bottom	7844.0	433202	866404	
	A673 (46) Top	6963.3	242565	485130	531592
	A673 (46) Bottom	6989.7	289027	578054	
	A673 (48) Top	7920.4	350948	701896	787856
	A673 (48) Bottom	7831.6	436908	873816	
	EWS894 (37) Top	8692.9	360242	720484	786880
	EWS894 (37) Bottom	8409.0	426638	853276	
	EWS894 (40) Top	9182.9	563589	1127178	1266338
	EWS894 (40) Bottom	8301.3	702749	1405498	
	EWS894 (39) Top	8149.0	551542	1103084	968082
	SK-NM-C (41) Top	7532.0	441583	883166	
	SK-NM-C (41) Bottom	7707.2	526499	1052998	944545
	SK-NM-C (42) Top	8016.1	422012	844024	
SK-NM-C (42) Bottom	7919.0	522533	1045066	788704	
SK-NM-C (44) Top	8508.1	427209	854418		
SK-NM-C (44) Bottom	8646.4	361495	722990		
Luminal breast carcinoma	MCF7-6Hrs (1) Top	5552.4	200953	401906	321673
	MCF7-6Hrs (1) Bottom	6067.4	120720	241440	
	MCF7-6Hrs (12) Top	6341.8	170402	340804	418828
	MCF7-6Hrs (12) Bottom	5898.4	248426	496852	
	MCF7-6Hrs (2) Top	6024.7	90566	181132	283604
	MCF7-6Hrs (2) Bottom	6612.0	193038	386076	
	MCF7-24Hrs (1) Top	6096.6	231256	462512	376988
	MCF7-24Hrs (1) Bottom	5690.3	145732	291464	
	MCF7-24Hrs (12) Top	6626.4	154188	308376	427592
	MCF7-24Hrs (12) Bottom	6350.0	273404	546808	
	MCF7-24Hrs (2) Top	4308.0	39819	79638	103909
	MCF7-24Hrs (2) Bottom	4243.6	64090	128180	
	MCF7-48Hrs (1) Top	4310.2	71086	142172	225830
	MCF7-48Hrs (1) Bottom	4612.3	154744	309488	
	MCF7-48Hrs (11) Top	2334.4	48186	96372	76693
	MCF7-48Hrs (11) Bottom	1967.3	28507	57014	
	MCF7-48Hrs (2) Top	6116.8	84911	169822	271855
	MCF7-48Hrs (2) Bottom	6061.1	186944	373888	
ZR751 (9) Top	6478.5	227506	455012	269086	
ZR751 (9) Bottom	5359.5	41580	83160		
Basal breast carcinoma	MDA-MB-231 (21) Top	3949.3	135443	270886	303357
	MDA-MB-231 (21) Bottom	4015.9	167914	335828	
	MDA-MB-231 (22) Top	3989.4	179866	359732	387247
	MDA-MB-231 (22) Bottom	4017.8	207381	414762	
	MDA-MB-231 (24) Top	4495.1	249289	498578	514913
	MDA-MB-231 (24) Bottom	4385.4	265624	531248	
	SUM149(13) Top	5775.1	267513	535026	567932
	SUM149(13) Bottom	5786.4	300419	600838	
	SUM149(15) Top	7145.8	374722	749444	781460
	SUM149(15) Bottom	7432.8	406738	813476	
	SUM149(16) Top	5337.3	322088	644176	728839
	SUM149(16) Bottom	5909.2	406751	813502	
	SUM227 (17) Top	4687.2	238065	476130	505548
	SUM227 (17) Bottom	4480.8	267483	534966	
	SUM227 (19) Top	4667.6	373807	747614	733204
	SUM227 (19) Bottom	4332.7	359397	718794	
	SUM227 (20) Top	5091.3	297552	595104	550629
	SUM227 (20) Bottom	4483.1	253077	506154	