

S1. Tables of p-values for statistically significant differences for the data with an asterisk in Fig. 1, 2, and 5

Table A. P-values for Fig. 1C days 6 and 9

		day 6				day 9	
		density (10^6 /mL)				density (10^6 /mL)	
		0.6	1			0.6	1
density (10^6 /mL)	0.3	0.00165	0.00232	density (10^6 /mL)	0.3	0.00133	0.00114
	1.5	0.00030	0.00047		1.5	0.00017	0.00015
	2	0.00050	0.00087		2	0.00030	0.00028

Table B. P-values for Fig. 1D days 6 and 9

		day 6				day 9	
		density (10^6 /mL)				density (10^6 /mL)	
		0.6	1			0.6	1
density (10^6 /mL)	0.3	0.00306	0.00347	density (10^6 /mL)	0.3	0.00090	0.00094
	1.5	0.00248	0.00256		1.5	0.00042	0.00036
	2	0.00208	0.00204		2	0.00045	0.00039

Table C. P-values for Fig. 1E days 6 and 9

		day 6				day 9	
		density (10^6 /mL)				density (10^6 /mL)	
		0.6	1			0.6	1
density (10^6 /mL)	0.3	0.00216	0.00603	density (10^6 /mL)	0.3	0.00092	0.00134
	1.5	0.00148	0.00473		1.5	0.00028	0.00043
	2	0.00090	0.00365		2	0.00011	0.00018

Table D. P-values for Fig. 1F days 2, 4, and 6

		day 2		day 4		day 6	
		density (10^6 /mL)		density (10^6 /mL)		density (10^6 /mL)	
		1.5	2	1.5	2	1.5	2
density (10^6 /mL)	0.3	0.04900	0.01904	0.02786	0.00243	0.00437	0.00213
	0.6	0.04515	0.02120	0.02482	0.00234	0.00417	0.00203
	1	0.04719	0.02550	0.02718	0.00247	0.00413	0.00205

Table E. P-values for Fig. 2A

	3D-CSC	
	day 4	day 6
2D-RPMI	0.02595	0.01135
2D-CSC	0.02640	0.00717

Table F. P-values for Fig. 2B

	3D-CSC	
	day 4	day 6
2D-RPMI	0.02334	0.00251
2D-CSC	0.02227	0.00249

Table G. P-values for Fig. 2C

	3D-CSC	
	day 4	day 6
2D-RPMI	0.03493	0.00470
2D-CSC	0.03467	0.00469

Table H. P-values for Fig. 2D

	3D-CSC	
	day 4	day 6
2D-RPMI	0.04560	0.01334
2D-CSC	0.04116	0.01352

Table I. P-values for Fig. 5B

	Modulus (kPa)				
	2	5	25	50	70
MCF7	0.00638	—	0.00405	0.00341	0.00372
MDA	0.00035	—	0.00007	0.00024	0.00059
HCT116	0.00310	0.00325	—	0.00294	0.00401
U2OS	0.00678	0.00592	0.00412	—	0.01015
AGS	0.02295	0.02131	—	0.02586	0.02100

Table J. P-values for Fig. 5C

	Modulus (kPa)				
	2	5	25	50	70
MCF7	0.00518	—	0.00498	0.00585	0.00585
MDA	0.00030	—	0.00025	0.00127	0.00127
HCT116	0.00013	0.00843	—	0.00072	0.00013
U2OS	0.00556	0.00556	0.03642	—	0.00556
AGS	0.00241	0.00241	—	0.02529	0.00241

Table K. P-values for Fig. 5D

	Modulus (kPa)				
	2	5	25	50	70
MCF7	0.00229	—	0.00214	0.00184	0.00300
MDA	0.00054	—	0.00024	0.00055	0.00131
HCT116	0.00490	0.00528	—	0.00250	0.00434
U2OS	0.00693	0.00650	0.00423	—	0.01012
AGS	0.01744	0.02445	—	0.04837	0.02172

Table L. P-values for Fig. 5F for MCF7-CD44

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.04331	–	0.01432	0.00852	0.00701
day 9	0.00893	–	0.00629	0.00251	0.00076

Table M. P-values for Fig. 5F for MCF7-ABCG2

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.01157	–	0.00815	0.00726	0.00653
day 9	0.00146	–	0.00113	0.00052	0.00031

Table N. P-values for Fig. 5F for MDA231-CD44

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00974	–	0.00831	0.00094	0.00074
day 9	0.00686	–	0.00457	0.00082	0.00044

Table O. P-values for Fig. 5F for MDA231-EGFR

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.01350	–	0.00863	0.00192	0.00045
day 9	0.00691	–	0.00243	0.00083	0.00015

Table P. P-values for Fig. 5F for HCT116-CD44

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00447	0.03851	–	0.01159	0.00755
day 9	0.00084	0.00453	–	0.00119	0.00024

Table Q. P-values for Fig. 5F for HCT116-TGF β

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00321	0.00412	–	0.00052	0.00015
day 9	0.00086	0.00732	–	0.00063	0.00008

Table R. P-values for Fig. 5F for U2OS-CD44

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00521	0.00742	0.02419	–	0.03507
day 9	0.00085	0.00157	0.00491	–	0.00531

Table S. P-values for Fig. 5F for U2OS-CD133

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00731	0.00682	0.01473	–	0.01731
day 9	0.00031	0.00068	0.00153	–	0.00412

Table T. P-values for Fig. 5F for AGS-CD44

	Modulus (kPa)				
	2	5	25	50	70
day 6	0.00415	0.00962	–	0.04279	0.00678
day 9	0.00096	0.00269	–	0.00478	0.00104

Table U. P-values for Fig. 5F for AGS-OCT4

	AGS-OCT4 Modulus (kPa)				
	2	5	25	50	70
day 6	0.00063	0.00092	–	0.00249	0.00075
day 9	0.00014	0.00074	–	0.00313	0.00006