

S1 Table: Comparative analysis of flow cytometry profiles of *cdc45* knockout lines.

TABLE S1																							
<i>cdc45+/+/+</i>						<i>cdc45-/+</i>								<i>cdc45-/-</i>									
	Exp 1	Exp 2	Exp 3	Average	S.D		Exp 1	Exp 2	Exp 3	Average	S.D	Comparison to <i>cdc45+/+/+</i>			Exp 1	Exp 2	Exp 3	Average	S.D	Comparison to <i>cdc45+/+/+</i>			
												p value	Significance							p value	Significance		
Log						Log								Log									
G1	56.09					G1	65.64							G1	65.37								
S	16.37					S	15.69							S	15.01								
G2/M	25.2					G2/M	17.29							G2/M	18.41								
HU						HU								HU									
G1	67.85	70.18	67.79	68.61	1.363	G1	74.31	62.94	73.14	70.13	6.254	0.701323	ns	G1	69.63	63.1	66.85	66.53	3.277	0.367469	ns		
S	16.86	18.89	17.47	17.74	1.042	S	11.92	18.7	10.86	13.83	4.254	0.19659	ns	S	16.33	18.67	17.63	17.54	1.172	0.838676	ns		
G2/M	14.24	9.97	14.19	12.80	2.451	G2/M	13.08	17.11	15.27	15.15	2.018	0.268472	ns	G2/M	12.57	17.19	14.9	14.89	2.310	0.343653	ns		
3h R						3h R								3h R									
G1	12.01	15.42	15.75	14.39	2.071	G1	11.41	13.41	14.6	13.14	1.612	0.454588	ns	G1	66.75	59.3	65.85	63.97	4.066	0.000047	***		
S	59.29	56.74	54.15	56.73	2.570	S	60.13	59.44	60.31	59.96	0.459	0.098521	ns	S	17.57	21.73	18.15	19.15	2.253	0.000045	***		
G2/M	28.27	25.59	29.25	27.70	1.895	G2/M	27.82	26.26	24.66	26.25	1.580	0.364268	ns	G2/M	14.2	17.83	15.48	15.84	1.841	0.001472	**		
4.5h R						4.5h R								4.5h R									
G1	9.15	6.82	10.96	8.98	2.075	G1	9.54	12.8	10.65	11.00	1.657	0.258133	ns	G1	21.31	22.62	22.07	22.00	0.658	0.000490	***		
S	35.28	38.93	32.56	35.59	3.196	S	56.68	54.98	50.92	54.19	2.959	0.001781	**	S	49.98	48.27	47.06	48.44	1.467	0.003194	**		
G2/M	54.92	53.9	56.63	55.15	1.379	G2/M	33.17	31.76	38.24	34.39	3.408	0.000612	**	G2/M	27.7	28.14	30.12	28.65	1.289	0.000017	***		
6.5h R						6.5h R								6.5h R									
G1	9.5	10.55	11.36	10.47	0.933	G1	8.14	11.08	12.81	10.68	2.361	0.894677	ns	G1	18.56	18.42	16.79	17.92	0.984	0.000679	**		
S	20.95	28.92	29.24	26.37	4.697	S	35.54	31.6	34.24	33.79	2.008	0.065545	ns	S	46.72	42.18	42.82	43.91	2.457	0.004592	**		
G2/M	66.48	60.53	59.38	62.13	3.811	G2/M	57.2	57.4	52.87	55.82	2.560	0.076031	ns	G2/M	34.21	38.99	37.79	37.00	2.487	0.000667	**		
8h R						8h R								8h R									
G1	32.22	32.38	33.36	32.65	0.617	G1	18.99	25.75	18.04	20.93	4.204	0.008775	*	G1	10.47	13.77	12.61	12.28	1.674	0.000039	***		
S	21.42	21.68	20.85	21.32	0.425	S	20.69	22.46	29.32	24.16	4.558	0.343102	ns	S	44.4	42.22	40.04	42.22	2.180	0.000083	***		
G2/M	46.53	45.62	45.5	45.88	0.563	G2/M	58.43	51.61	52.46	54.17	3.717	0.01883	*	G2/M	44.98	43.45	47.32	45.25	1.949	0.617423	ns		
10h R						10h R								10h R									
G1	43.27	44.52	44.42	44.07	0.695	G1	34.75	38.65	31	34.80	3.825	0.014495	*	G1	8.39	12.97	12.5	11.29	2.520	0.000027	***		
S	26	24.33	24.75	25.03	0.869	S	24.34	19.77	24.08	22.73	2.567	0.216014	ns	S	39.85	34.09	39.36	37.77	3.193	0.002629	**		
G2/M	28.85	30.19	29.77	29.60	0.685	G2/M	41.48	41.07	44.34	42.30	1.781	0.000324	***	G2/M	52.13	53.05	47.9	51.03	2.747	0.000196	***		
HU						HU								HU									
G1	58.49	54.27	54.35	55.70	2.414	G1	64.23	62.92	63.43	63.53	0.660	0.005635	**	G1	64.59	64.44	63.43	64.15	0.631	0.004215	**		
S	23.87	29.15	26.37	26.46	2.641	S	17.94	19.05	18.46	18.48	0.555	0.006881	*	S	19.35	19.6	18.46	19.14	0.599	0.009409	*		
G2/M	16.73	15.16	18.03	16.64	1.437	G2/M	11.11	16.84	16.94	14.96	3.337	0.468941	ns	G2/M	14.96	14.78	16.94	15.56	1.198	0.374054	ns		
12h R						12h R								12h R									
G1	58.31	45.88	46.75	50.31	6.939	G1	56.47	45.39	45.81	49.22	6.279	0.849966	ns	G1	24.83	25.92	24.84	25.20	0.626	0.003353	**		
S	13.58	21.56	20.48	18.54	4.329	S	13.53	22.18	21.7	19.14	4.861	0.881554	ns	S	33.28	30.73	27.64	30.55	2.824	0.015808	*		
G2/M	26.98	31.17	31.12	29.76	2.405	G2/M	28.34	30.23	30.59	29.72	1.209	0.982305	ns	G2/M	40.08	42.18	45.7	42.65	2.840	0.003876	**		
14h R						14h R								14h R									
G1	57.7	58.68	58.34	58.24	0.498	G1	56.8	56.85	56.6	56.75	0.132	0.007425	*	G1	30.05	30.82	29.23	30.03	0.795	0.000001	***		
S	15.99	15.64	14.24	15.29	0.926	S	13.61	14.07	14.09	13.92	0.272	0.07022	ns	S	32.74	31.78	29	31.17	1.942	0.000216	***		
G2/M	24.83	24.47	25.92	25.07	0.755	G2/M	27.72	27.29	27.14	27.38	0.301	0.007915	*	G2/M	34.98	35.03	38.96	36.32	2.284	0.001262	**		
16h R						16h R								16h R									
G1	54.22	59.07	56.47	56.59	2.427	G1	56.88	58.48	57.33	57.56	0.825	0.545387	ns	G1	45.9	46.55	45.38	45.94	0.586	0.001794	**		
S	16.33	15.71	13.53	15.19	1.471	S	13.76	14.08	13.91	13.92	0.160	0.210259	ns	S	24.05	23.51	22.18	23.25	0.962	0.001363	**		
G2/M	27.65	23.89	28.34	26.63	2.395	G2/M	27.3	25.99	26.63	26.64	0.655	0.993024	ns	G2/M	28.16	27.85	30.54	28.85	1.472	0.242576	ns		