

Supplemental Materials

Table S1. Loading pattern of 96-well plate which mirrors the spotting pattern. Concentrations are given for Cy3 and Cy5 labeled oligonucleotides. Concentrations were given by the manufacturer and checked via Nanodrop.

# ID	Well	c _{Cy5} [μM]	c _{Cy3} [μM]	# ID	Well	c _{Cy5} [μM]	c _{Cy3} [μM]
1	A1	5.00	0.00	27	C5	0.25	0.50
2	A2	0.00	5.00	28	G5	0.13	0.25
3	A3	0.05	5.00	29	C7	0.05	0.10
4	A4	5.00	0.05	30	C8	2.50	1.25
5	A5	0.05	2.50	31	C9	1.00	0.50
6	A6	2.50	0.05	32	G4	0.50	0.25
7	A7	0.25	2.50	33	C11	0.25	0.13
8	A8	0.10	1.00	34	C12	0.10	0.05
9	G7	0.05	0.50	35	D1	0.75	0.00
10	G3	2.50	0.25	36	D2	0.00	0.75
11	A11	1.00	0.10	37	D3	2.50	2.50
12	A12	0.50	0.05	38	D4	1.00	1.00
13	B1	2.50	0.00	39	D5	0.75	0.75
14	B2	0.00	2.50	40	D6	0.50	0.50
15	B3	0.50	2.50	41	G8	0.05	0.25
16	B4	0.20	1.00	42	D8	0.10	0.10
17	B5	0.10	0.50	43	D9	0.05	0.05
18	G6	0.05	0.25	44	E1	0.50	0.00
19	B7	2.50	0.50	45	E2	0.00	0.50
20	B8	1.00	0.20	46	F1	0.25	0.00
21	B9	0.50	0.10	47	F2	0.00	0.25
22	B10	0.25	0.05	48	G1	0.10	0.00
23	C1	1.00	0.00	49	G2	0.00	0.10
24	C2	0.00	1.00	50	H1	0.05	0.00
25	C3	1.25	2.50	51	H2	0.00	0.05
26	C4	0.50	1.00				

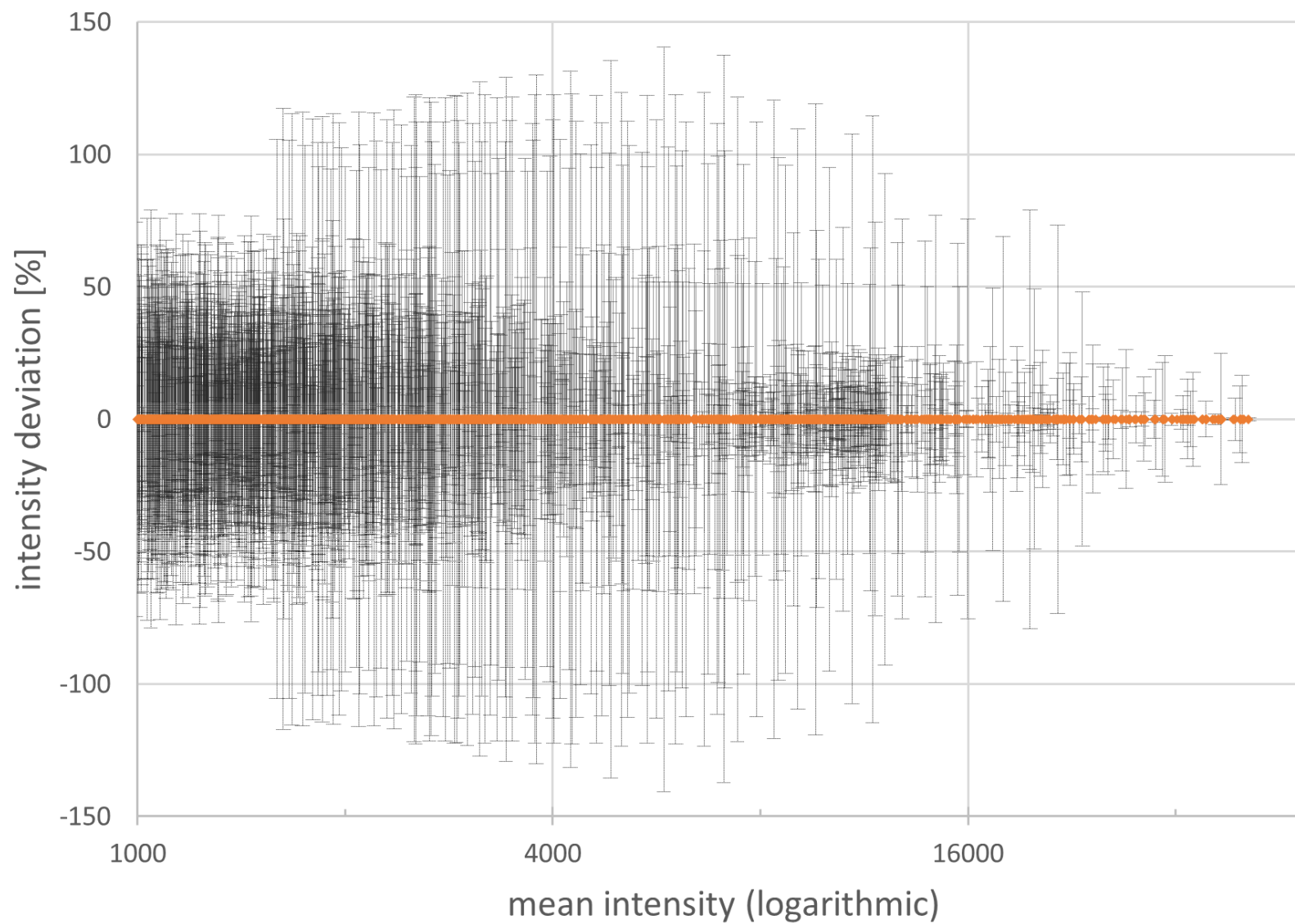


Figure S1. Cy5-intensity pattern heterogeneity of replicate spots. The mean intensities of replicate-spot-groups are displayed with given percent intensity deviation.

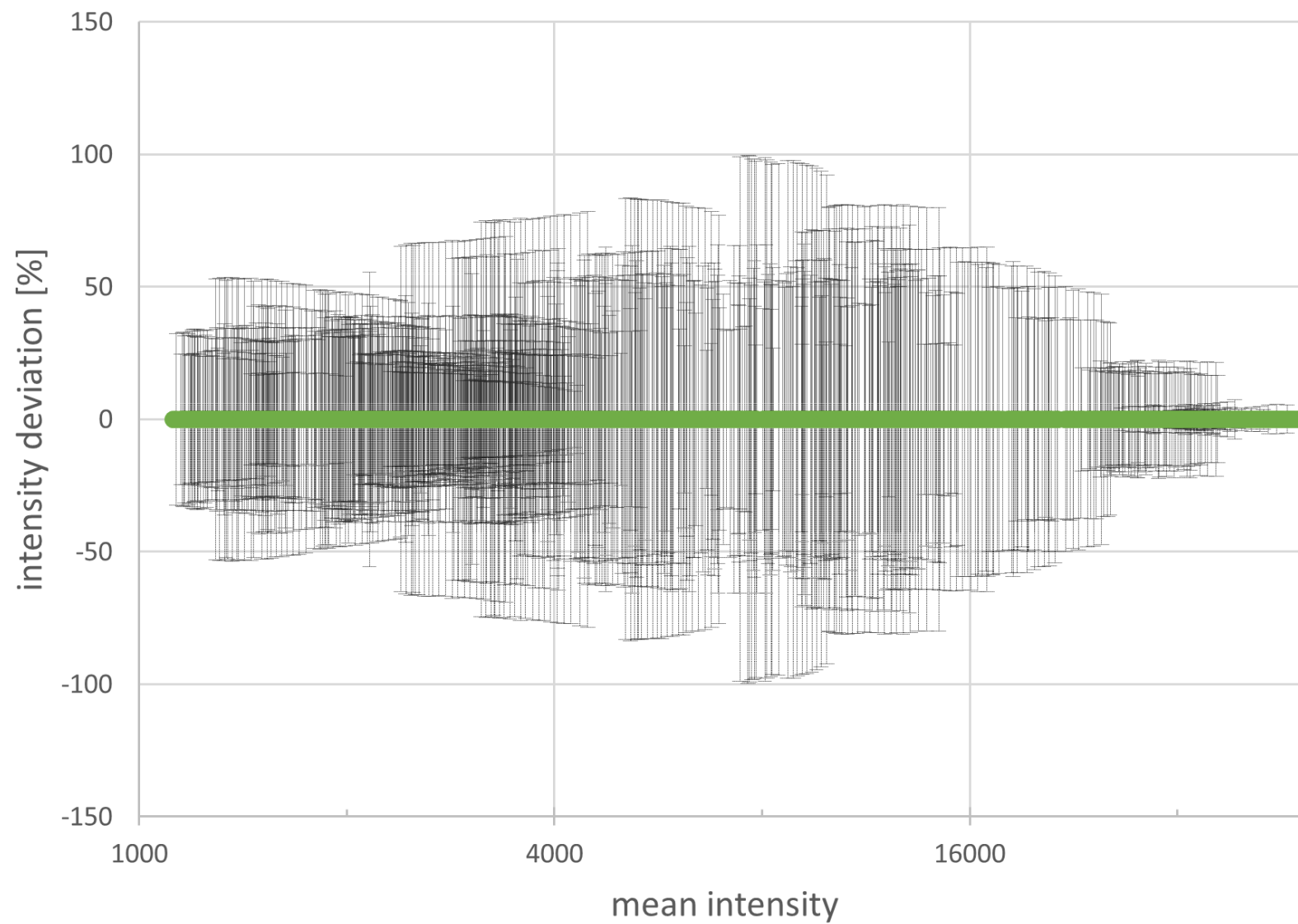


Figure S2. Cy3-intensity pattern heterogeneity of replicate spots. The mean intensities of replicate-spot-groups are displayed with given percent intensity deviation.