

Supplementary Table 2. List of BACs used in this study.

chromosome	BAC #	compartment (in rods)	full BAC name	BAC coordinates according to GRCm38/mm9 assembly
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BACs for tracing chromosomal loci and chromatin compaction estimation during differentiation retinal cell

chr 1	1	B	RP23-301J4	chr1:148,427,249-148,630,696
	2	B	RP24-218I23	chr1:149,531,820-149,662,189
	3	B	RP24-287C18	chr1:150,513,860-150,698,942
	4	B	RP23-149H6	chr1:150,812,163-151,003,321
	5	weak A	RP23-215H3	chr1:151,664,650-151,861,157
	6	A	RP24-318A10	chr1:152,971,124-153,121,132
	7	A	RP23-184H2	chr1:153,525,078-153,731,791
	8	A	RP23-20L20	chr1:154,487,105-154,694,524

chr 2	9	A	RP24-134B13	chr2:93,736,040-93,907,764
	10	A	RP23-214A16	chr2:94,088,207-94,276,965
	11	B	RP23-421B15	chr2:97,663,720-97,847,295
	12	weak B	RP23-340I3	chr2:101,017,004-101,218,085
	13	A	RP24-367D17	chr2:101,903,896-102,048,200

chr 6	14	---	RP23-120L10	chr6:3,025,850-3,271,476
	15	---	RP23-20F16	chr6:3,414,712-3,614,619
	16	A	RP23-317H22	chr6:3,856,716-4,085,483
	17	A	RP23-288L22	chr6:4,525,064-4,696,692

BACs for labeling constitutive A and B compartment loci of chromosome 11

chr 11	18	B	RP23-57E21	chr11:14,107,822-14,360,877
	19	B	RP23-33F12	chr11:25,104,302-25,315,399
	20	B	RP23-263I7	chr11:47,527,023-47,730,951
	21	A	RP23-399H5	chr11:78,274,464-78,467,177
	22	A	RP24-73A8	chr11:97,942,676-98,185,208
	23	A	RP23-82I5	chr11:120,199,525-120,428,921

BACs for labeling *Rho* locus

chr 6	24	A	RP23-116F20	chr6:113,263,811-113,485,267
	25	A	RP23-111F16	chr6:114,002,262-114,189,099
	26	A	RP23-86F18	chr6:114,901,511-115,120,641
	27	A	RP23-219M6	chr6:115,737,278-115,942,756
	28	weak B	RP23-62L5	chr6:116,810,598-116,936,147