

Mapping Polycomb Response Elements at the *Drosophila melanogaster giant* locus

Jumana AlHaj Abed, Connie L. Cheng, Chase R. Crowell, Laura L. Madigan, Erica Onwuegbuchu, Siddhi Desai, Judith Benes,
Richard S. Jones ¹

Department of Biological Sciences, Dedman Life Sciences Building, Southern Methodist University, Dallas, TX 75275-0376, USA

↵¹ Corresponding author: Department of Biological Sciences, Dedman Life Sciences Building, 6501 Airline Rd. Southern
Methodist University, Dallas, TX 75275-0376. Tel: 214-768-3810, Fax: 214-768-3955. Email: rjones@smu.edu

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Table S1 Cloning primers

Primer	Sequence
gt1-U	5'- GCGCATGTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCTGCTGGTACTGGTGGTGGTG -3'
gt1-L	5'- GCGCATGTGAAGTTCCTATTCTCTAGAAAAGTATAGGAACTTCGAATGGGCAGTTGTAAAAAGAG -3'
gt2-U	5'- GGGACATGTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCTCGCATCCTTTTCTTATTTTCG -3'
gt2-L	5'- GGGACATGTGAAGTTCCTATTCTCTAGAAAAGTATAGGAACTTCTACCTGTTCCATTATCCTCTG -3'
gt3-U	5'- GCCACATGTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCAGCGAAAAAGACTAACCAGGA -3'
gt3-L	5'- GCCACATGTGAAGTTCCTATTCTCTAGAAAAGTATAGGAACTTCGCAGTGTAGCCGTAGGAGCA -3'
gt4-U	5'- GCCACATGTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCCATTGTTTTGATGAACTGTCA -3'
gt4-L	5'- GCCACATGTGAAGTTCCTATTCTCTAGAAAAGTATAGGAACTTCATGCCCCGATGCTGTCT -3'
gt5-U	5'- CGCACATGTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGCACGCAGTTTTGTAGGTGG -3'
gt5-L	5'- CGCACATGTGAAGTTCCTATTCTCTAGAAAAGTATATAGGAACTTCGCGGTCTCAGTTCTCAGTC -3'

Table S2 Primers used for ChIP

Primer	Sequence	Length of amplicon	Coordinate from TSS
1	5'- TCCGTTTTTCTGCGCTTGTAG -3'	214	+4048
	5'- GGATCTGAATATGAATGTGGAGGTT -3		+3834
2	5' TGAAATTCATTCTTAGGGCTAT -3'	218	+1834
	5' AGGGGGCTCAACTTTCTTTT -3'		+1616
4	5' AACGCAAAGTATTTCTCTCG -3'	177	+9
	5' CAGAAGCAAAGCCAGAATCACC 3'		-168
5	5'- TTCCGCGAAAGGATATGGTT -3'	239	-368
	5'- AAATCAAATGCACAATGCTGGT -3'		-607
6	5' -CGT ATA GCC CAG CCC AATC -3'	182	-1839
	5' -GCT CAT TAT GGC GAA GGA ACA -3'		-2021
7	5' -CTG ACC AGC CAA GCG AAA AG-3'	240	-3422
	5' - GGC CGG TGC AAA CTT AAG ATA G - 3'		-3662
9	5' -CCG GGC CAT GCA ATA AAG TA -3'	212	-6108
	5' -CGC TTC CTC CAA CTC CCT ATA TTC-3'		-6320
10	5' -ATA TGC CAC GCC ATC TTA GCA C -3'	258	-7378
	5' -CCT CAG TTC TCA GTC CGC TTC TAA T -3'		-7636
13	5'- CCAAATGCCACACACAACACA -3'	233	-14263
	5'- GCCAGTTTCACATGCACATCAA -3'		-14496