

File 4: Weight matrices defined by hairy stripes 5, 6, and 7

File 4: Results from running customized Gibbs on hairy stripes 5, 6, and 7. Weight matrices were constructed from uppercase sequence. For each entry, the source of the sequence (for example hairy stripe 5) is given. The last three fields give the weight matrix that matches best (for example Kruppel), if the match is significant. The last two fields are the score and the position of the match counted from the first lowercase base.

>motif 1 (Kruppel like)

ncggcCGAAAGAGGAGagggga	h_stripe5	5	Kruppel	2.9	7
gagagGGAATGAGTTGcctgg	h_stripe5	18	Kruppel	5.4	7
gattcGCAAAGAGTTTttacg	h_stripe5	65	Kruppel	6.6	7
ctctgGGATAGAGTTTtagagt	h_stripe5	200	Kruppel	5.1	7
cgcgcCGAAAGAGGTTctctc	h_stripe5	218	Kruppel	5.9	7
agagtGGAAGAGTTTctacgg	h_stripe5	269	Kruppel	7.3	7
tcttcCGAAAGAGTGTcactc	h_stripe7	282	Kruppel	4.8	7
ggcagGGAAGTGTGacatg	h_stripe7	491	Kruppel	5.7	7
ttgtgGCAAAGGGTTTcgccc	h_stripe7	564	Kruppel	8.2	7
aattcCCAAAAAGTTGcctca	h_stripe7	686	tailless	4.1	12
ggtcaCCAAAGGGTTGgtgag	h_stripe7	797	Kruppel	8.2	7
gaaccCGAAAGAGTTGacacc	h_stripe6	117	Kruppel	7.3	7

>motif 2 (hunchback/caudal like)

gccctGCTGTTCTTTTTGgccct	h_stripe7	10	caudal	6.0	8
ggcccTGTTTTCTTTTTTgtggt	h_stripe7	27	hunchback	6.0	12
attgtTGCAATTTTGTGgtttt	h_stripe7	78	hunchback	6.9	10
ttaaaTCTTTTTTTTTTTttgat	h_stripe7	218	hunchback	6.9	7
tctagGGGATTTTATTGctttt	h_stripe7	614	hunchback	5.6	9
ntttgGGAATTTGTTTGGagcaa	h_stripe7	674	tailless	4.4	9
gttttTGTGTTTTTCTGctttg	h_stripe7	731	hunchback	7.4	1
cattgTGCGTTTTTGTGcccaa	h_stripe7	855	hunchback	7.1	8
ggatcGCAGTTTTTTACGatcct	h_stripe6	14	caudal	7.2	7
ctccgTCCGTTTTTTAAGccttt	h_stripe6	53	caudal	9.1	7
ngaagTGCAATCTTTATTttggc	h_stripe6	241	hunchback	3.4	12
tgccgGCTGTTTTTTAAGccttt	h_stripe6	329	caudal	8.0	7
nnnntGCGATTTTTTATGggaac	h_stripe6	431	caudal	6.1	8
tggtatCAGTTTTTTTTTtccga	h_stripe6	491	hunchback	7.7	9

>motif 3 (knirps like)

atggcGTGTCGTAAAAactnt	h_stripe5	56
-----------------------	-----------	----

ttggtGGATCGTAAAAAtccct	h_stripe5	147	knirps	3.8	4
agtaaATATCATAAAAgcaat	h_stripe7	602			
gttgaGGATCGTAAAAaactg	h_stripe6	20	knirps	6.6	4
gacggAGGTCGTAAAAcccg	h_stripe6	39	knirps	4.2	4
atagcGGGTTGTAAAAtccgg	h_stripe6	140	Kruppel	3.8	2
acannATGTCGGAANAaaa	h_stripe6	501	knirps	2.7	4

>motif_4

tgcgtGGCGTGGTGGCAtggcg	h_stripe5	40
ttttgGGCCTGTTCAgacct	h_stripe7	97
tcagaGACCTGTTCTGAattta	h_stripe7	109
atctgGACTAGGTAGCAgctgt	h_stripe7	147
attctGGCCAGTTGTCAattagc	h_stripe7	370
gccacGGCGATTTGTCAaggct	h_stripe7	404
gccgtGGCTTGGTGACagatga	h_stripe7	418
cacgtGGCGTGGTATCAgtttt	h_stripe6	482
tttccGACATGTTGTGAactta	h_stripe6	507

>motif 5

gttntTTTTGGCCCTGttttn	h_stripe7	18
tnntttTTTGTGGTTAGaagtg	h_stripe7	37
tgtggTTTTGGGCCCTGttcag	h_stripe7	92
actggTTTCGGCCCTAAattc	h_stripe7	124
gaccgATTCTGGCCAGttgtc	h_stripe7	376
gcattTTTCGGCTTAagtaga	h_stripe7	652
tgtnnTTTCTGCTTTGttaaa	h_stripe7	726
cgttnTTTGTGCCCAAcgatc	h_stripe7	850
aagncTTTCTGCTCTGccatc	h_stripe6	68
taaagTTTTTGACCAGattcc	h_stripe6	170
cacatTTTTTGATTAGgcaaa	h_stripe6	310

>motif 6

ttttaTTAAATCTTTTntttt	h_stripe7	213
aatctTTTAATCTTGAtagaa	h_stripe7	240
ctggtTTTAGTATTTTtcttc	h_stripe7	266
ttgccTTTACCTTTTcgact	h_stripe7	329
ccaccTTTAGCCTTGAcAAat	h_stripe7	396
tccagTTTAACATTTTaattg	h_stripe7	582
taaaaATTAGTCTTGctttgc	h_stripe7	709
gttntTTAAGCCTTTTtgctc	h_stripe6	61
gttntTTAAGCCTTTTgccta	h_stripe6	323
cccttTTTTGTCTTGtccca	h_stripe6	447

