

**File 1: Regulatory modules from the literature.** Coordinates (in basepairs) are based on genomic data from Release 2 (see Materials and Methods). Modules whose annotated binding sites were used to construct weight matrices are marked by a star. The spacing between modules and transcription start is reported as spacer. The +/- signs of spacing and length refer to the chromosomal orientation of the minimal distance (spacer) and maximal distance (length) of the module to transcription start. The signs are only different if the module overlaps transcription start.

Gene	Chrom.	Transcript start	Module	Spacer	Length	Reference		
even-skipped	2R	5008231	+	Stripes 3-7	*	-3230	-510	(1)
even-skipped	2R	5008231	+	Stripe 2	*	-859	-670	(1)
even-skipped	2R	5008231	+	Stripes 4-6		4658	601	(2)
even-skipped	2R	5008231	+	Stripe 5		7401	799	(2)
giant	X	2177529	-			1815	944	(2)
hairy	3L	8596386	+	Stripe 7		-10095	-931	(1)
hairy	3L	8596386	+	Stripe 6	*	-8708	-546	(1)
hairy	3L	8596386	+	Stripe 5	*	-5723	-301	(1)
hairy	3L	8596386	+	Stripe 1		-4302	-1157	(1)
hairy	3L	8596386	+	Stripes 3-4		-10828	-1743	(1)
hunchback	3R	4510876	-	Anterior	*	-2471	-720	(1)
hunchback	3R	4510876	-	Posterior	*	3006	1022	(1)
knirps	3L	20543461	-		*	-20	1576	(1)
knirps	3L	20543461	-	Kni64-Element	*	1986	66	(1)
Kruppel	2R	20189149	+	Kr730	*	-3612	-721	(1)
Kruppel	2R	20189149	+	CD2		1191	-1706	(1)
rhomboid	3L	1442943	+	Neuroectoderm	*	-1759	-191	(3)
runt	X	20317598	+	Stripe 3		-8885	-2403	(2)
runt	X	20317598	+	Stripe 5		-11520	-1334	(2)
spalt major	2L	11342907	-	Early Enhancer		10459	515	(2)
snail	2L	15362988	-		*	1094	799	(4)
short gastrulation	X	15368706	-		*	-698	-274	(5)
tailless	3R	26559162	+		*	-876	-382	(1)
tailless	3R	26559162	+	Tor-Distal	*	-2346	-479	(1)
tailless	3R	26559162	+	Tor-Proxi	*	-230	-174	(1)
twist	2R	17971350	+		*	-168	-1151	(6)
zerknult	3R	2580616	-		*	1226	413	(5)

## References for File 1

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