

Table S1 Summary of regulatory elements predicted by MatInspector

Detailed Family Information	Start pos	End pos	Strand	Core		Sequence
				sim.	Matrix sim.	
Iroquois group of transcription factors	-1944	-1936	-	1	0.974	atattACA acctcaTAAAt
Drosophila fork head factors	-1942	-1926	-	1	0.981	attaa
Transcription factors with POU-domain - N-terminal to homeobox domain	-1940	-1928	+	0.889	0.931	aatattATGAa g
Drosophila snail protein	-1908	-1898	-	0.868	0.931	cacACATgttt
Drosophila basic helix-loop-helix transcription factors	-1907	-1897	+	1	0.991	aacaTGTGtga
Drosophila T-box transcription factors	-1906	-1892	-	0.893	0.905	atatatCACa tgt
Drosophila segmentation gene tailless	-1868	-1860	-	0.897	0.938	gaaagTAAA
Drosophila gap gene hunchback	-1860	-1848	-	1	0.984	tacacAAAAatt g
Drosophila broad-complex for ecdysone steroid response	-1860	-1842	-	1	0.905	aattattaca Aaaattg
Drosophila giant transcription factor	-1856	-1842	+	1	0.981	ttttgtGTAAtaa tt
Drosophila homeoproteins	-1851	-1837	-	1	0.978	tattcaATTAtta ca
Drosophila homeoproteins	-1850	-1836	+	1	0.96	gtaaTAATgaa tat
Drosophila T-cell factor	-1839	-1827	-	1	0.897	ctgtTTGatatat
Drosophila OVO transcription factor	-162	-146	+	1	0.917	cggctGTTAcac gaaga
GAGA element, binding sites for proteins of the trithorax group (trxG)	-114	-100	+	1	0.978	tgagagAGAGa gtca
Zeste transvection gene product	-48	-38	-	1	0.948	attcGAGTgtg
Drosophila OVO transcription factor	121	137	+	1	0.923	ctgccGTTAtcgt tatc
DNA replication-related	125	135	-	1	0.92	taaCGATaacg

element factor						
Boundary element associated						ggataaCGATa
factor	126	138	-	1	0.94	ac
DNA replication-related						
element factor	128	138	+	0.75	0.802	tatCGTTatcc
Drosophila neuronal cis						gaatcgGGTTtg
element binding factor	259	275	-	1	0.879	ctcat
Core promoter motif ten						cagcgcgATCGc
elements	295	315	+	0.875	0.773	ctgggcctt
Drosophila C/EBP like bZIP						cATTGtcaccag
transcription factors	322	334	-	1	0.911	t
Drosophila snail protein	765	775	+	1	1	gccACCTgcta
Drosophila gap gene						agaatAAAAaa
hunchback	793	805	+	1	1	at
Drosophila homeobox						
transcription factor with CUT						
domain	808	816	-	1	0.935	tatGATTtg
Drosophila Abd-B group	810	820	+	1	0.96	aatcATAAata
						cgccTAATagtt
Drosophila homeoproteins	825	839	-	1	0.901	att
Drosophila Dorsal Ventral						
Factor	863	873	-	1	0.93	ttttTTCgct
Drosophila proneural						ggcaCACGcgcc
repressor	958	972	+	1	0.945	act
Iroquois group of						
transcription factors	992	1000	-	1	0.997	acaaaAACA
Core promoter initiator						
elements	998	1008	+	1	0.952	tgTCAGttttt
Drosophila gap gene						gcaacAAAAaa
hunchback	1004	1016	-	1	0.986	aa
Core promoter initiator						
elements	1021	1031	+	0.969	0.949	ttTCATttttt
DNA replication-related						
element factor	1051	1061	-	1	0.801	tatCGATtttc
Boundary element associated						gaaaatCGATa
factor	1051	1063	+	1	0.88	ga
DNA replication-related						
element factor	1054	1064	+	1	0.936	aatCGATagac
Drosophila Abd-B group	1068	1078	-	1	0.947	aattATAAaag

Drosophila homeoproteins	1069	1083	-	1	0.978	gcctcaATTAta aaa ttaaTAATtgagg
Drosophila homeoproteins	1070	1084	+	1	0.976	ca
Drosophila C/EBP like bZIP transcription factors	1075	1087	+	1	0.914	aATTGaggcaat t cagcTAATtgcc
Drosophila homeoproteins	1078	1092	-	1	0.974	tca gaggcaATTAgc
Drosophila homeoproteins	1079	1093	+	1	0.974	tgt
Drosophila basic helix-loop- helix transcription factors	1097	1107	-	1	0.957	ggcaTGTGcca
TGIF (TG-interacting factor)- Exd (extradenticle) group	1129	1135	-	1	1	TGTCaac
Drosophila broad-complex for ecdysone steroid response	1151	1169	-	1	0.94	taaatttgTAAA cgaatc
Drosophila segmentation gene knirps	1183	1195	+	1	0.917	tttcaaGTTCaat
Drosophila Dorsal Ventral Factor	1232	1242	+	1	0.944	ctttTTTCcca tgcGTGGgaaa
Drosophila supressor of Hairless	1234	1246	-	1	0.923	aa
Drosophila giant transcription factor	1271	1285	-	0.88	0.887	tatdddGTGAaac aa
GAGA element, binding sites for proteins of the trithorax group (trxG)	1314	1328	+	1	0.988	gaagagAGAGc gcgc
Core promoter motif ten elements	1329	1349	-	0.938	0.771	ataaacaAACG caaagcccat

Start and End position are relative to the TSS.