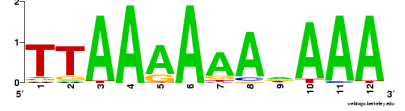
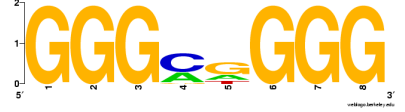
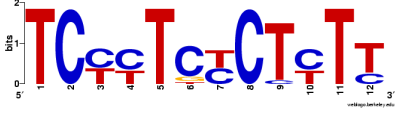
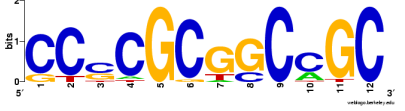
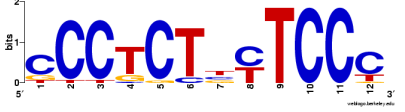




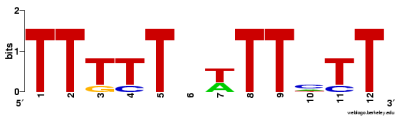




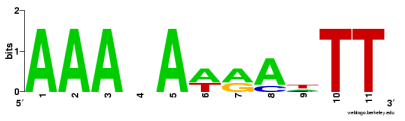


**Additional file 1: All motifs detected in the promoter regions of genes more highly expressed in susceptible animals**

Motif (length)	E value	Sequence Logo	Bit score	No. of sites	TRANSFAC hit	Description	Score	P value
1 (12)	$3.9 \times 10^{-6}$		16.7	25	BSAP	B cell lineage specific activator	3.1086	0.156
2 (8)	$1.2 \times 10^{-2}$		13.3	50	PPARG	peroxisome proliferative activated receptor, gamma	3.5056	0.03
3 (12)	$2.3 \times 10^3$		18.0	15	DR3	nuclear receptor subfamily 1, group I	2.8787	0.054
4 (12)	$1.4 \times 10^5$		17.1	17	EGR	early growth factor	2.6570	0.121
5 (12)	$2.0 \times 10^7$		16.7	17	PAX5	paired box gene 5	2.2633	0.034
6 (12)	$2.0 \times 10^7$		17.2	14	PAX5	paired box gene 5	2.4121	0.053
7 (8)	$1.4 \times 10^{11}$		14.4	5	CIZ	Cas-interacting zinc finger protein	1.6467	0.006
8 (8)	$4.2 \times 10^{10}$		14.6	5	PR	progesterone receptor	3.5862	0.102

Motif (length)	E value	Sequence Logo	Bit score	No. of sites	TRANSFAC hit	Description	Score	P value
9 (6)	$7.1 \times 10^{11}$		12.1	5	OCT1	Octamer-binding transcription factor-1	1.2166	0.00
10 (12)	$1.3 \times 10^{11}$		18.1	5	HNF1	transcription factor 1, hepatic	2.0877	0.003
11 (6)	$5.8 \times 10^{12}$		11.3	5	PAX5	paired box gene 5	3.3418	0.054
12 (6)	$7.1 \times 10^{11}$		12.1	5	OCT1	Octamer-binding transcription factor-1	1.0262	0.00
13 (6)	$2.0 \times 10^{13}$		11.1	5	PR	progesterone receptor	3.4683	0.024
14 (6)	$7.1 \times 10^{11}$		12.1	5	PR	progesterone receptor	3.6993	0.00
15 (11)	$1.4 \times 10^{12}$		16.5	5	MEF2	myocyte enhancer factor 2	1.7762	0.06