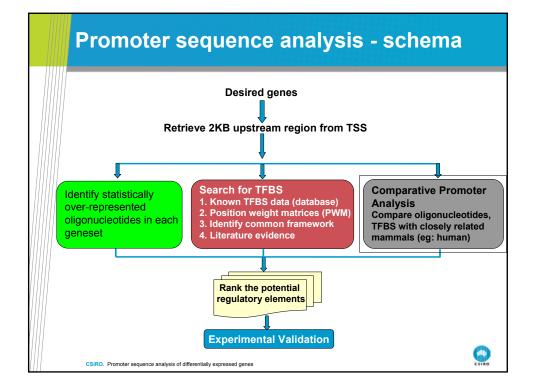
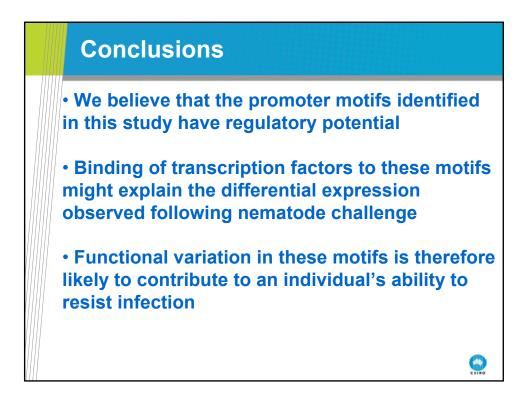
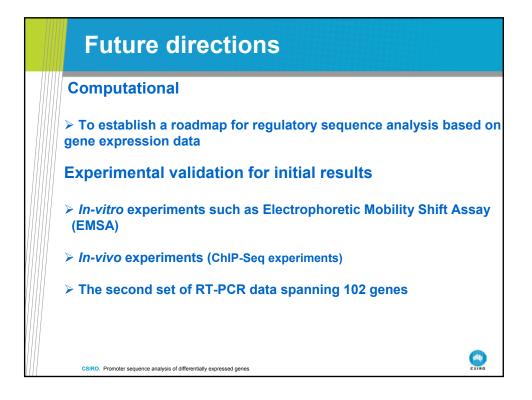


	Query Gene	Position (strand)	Sequence	Transcription Factor Name
	Resistant: TLR2	150 (-)	aCACTTga	Nkx2-5 (homeobox gene)
Literature evidence in human III	Resistant: DUOX1	948 (-)	acaAACAAac	FOXD3(fork head)
	Susceptible: IKBKB	686 (-)	atGGAAAttcc c	NF-kappaB
	Susceptible: TGFB2	121 (+)	gatAACGGtc	v-Myb

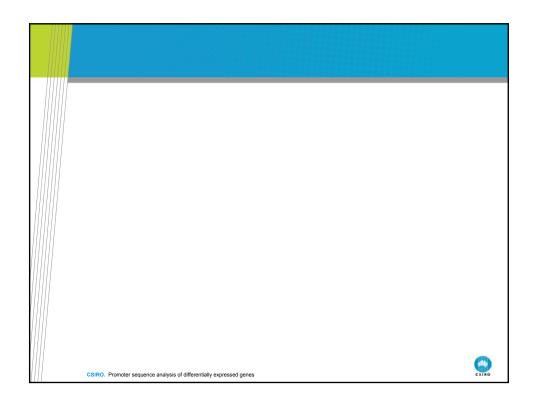


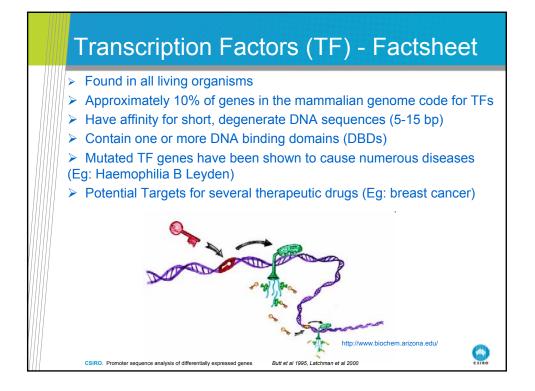
	noter region– conserved in mammalian species
	I I''S KXH <mark>V\$HOXF</mark> V\$STAT O\$VTBP V\$ETSF V\$EVI1 V\$DICE V\$EGRF V\$P53F V\$THAP V\$SP1F KHD V\$GKLF V\$BRNE V\$PIT1 V\$HNFI V\$SORY V\$DMRT V\$E2FF V\$MYBL V\$GATA V\$NOLF
Commo	n TF matches located in aligned regions
TFBS1	alignment position 1801 1811 1821 1831 Region_B_Hows 155 CCT GTACCTC ATCTACTCCC AGGTCCTCTT CAAGGGCCCAA Region_B_Rhesus 1555 CCT GTACCTC GTCTACTCCC AGGTCCTCTT CAAGGGCCCAA Region_B_Mouse 1546 GTT GTACCTC GTCTACTCCC AGGTCTCTT CAAGGGACAA Region_B_Ratu 1486 GCT GTACCTC ATCTACTCCC AGGTCCTCTT CAAGGGACAA Region_B_Cow 1653 GCT TACCTC ATCTACTCCA AGGTCCTCTT CAAGGGACAA ********
Region_8_Rhesus 19 Region_8_Mouse 17 Region_8_Rat 17	2051 2061 2071 2081 2091 03 CGGCCCGACT ATCTCGACTT TGCCGAGTCT GGGCAGGTCT ACTTTGGGAT 03 CTGCCCAAGT ACTTAGACTT TGCGAGTCC GGCCAGGTCT ACTTTGGAGT 33 CTGCCCAAGT ACTTAGACAT CGGGAGTCC GGCCAGGTCT ACTTTGGAGT 03 CTGCCGGACT ACCTGGACTA TGCCGAGTCT GGCCAGGTCT ACTTTGGAT 03 CTGCCGGACT ACCTGGACTA TGCCGAGTCT GGCCAGGTCT ACTTTGGAT
TFBS3 🕬	alignment position 2751 2761 2771 2781 Region_8_Human 2528 CAGACATGTT TTCCGTGAAA ACGGAGCTGA ACAATAG Region_8_Rhesus 2541 CAGACATGTT TTCTGTGAAA ACGGAGCTGA ACAATAG Region_8_Nouse 2394 CAGACATGTT TTCTGTGAAA ACGGAGCTGA ACAATAG Region_8_rat 2377 CCAACATGTT TTCTGTGAAA ACGGAGCTGA ACTaccagct Region_8_cow 2526 CAGATGTGTT TTCTGTGAAA ACGGAGCTGA ACTGCAG

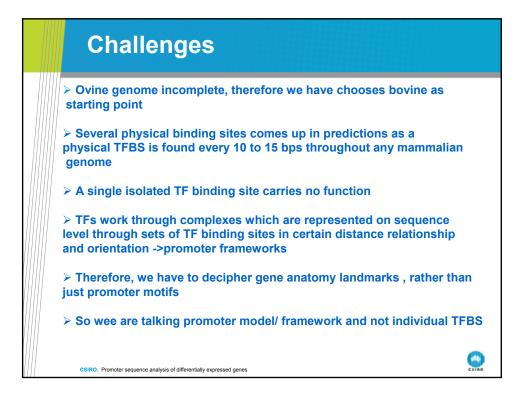


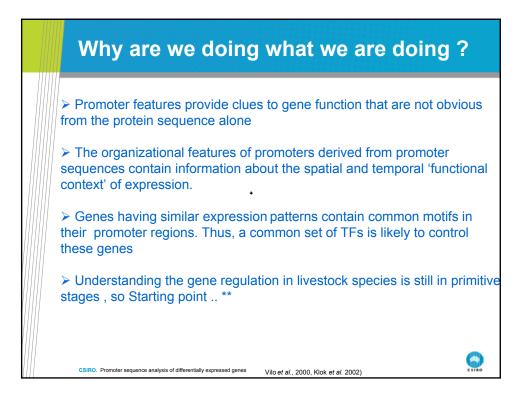


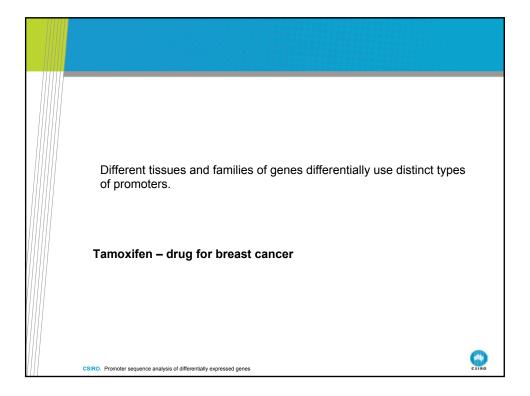












Gene Cluster	Number of genes per cluster	Sequence	observed occurren ces	expected occurre nces	P-value
TLR Cluster	25	TCAGAAA	25	9.81	3.5e-05
XDH cluster	10	AGAGAAA	16	3.88	3.3e-06
XDH cluster	10	ccgcgc	18	5.29	1.1e-05
Cathepsin cluster	9	cccccg	17	4.42	4.2e-06
					CSIRO