











SNP	GWAS Phenotype	PRISM Binding Site	Relevance of PRISM Factor to Phenotype		Risk Allele Effect on Binding Site	Nearest Genes
rs445	white blood cell count	<i>MYB</i>	<i>MYB</i> is a driver of leukemia induction (Jin et al. 2010).	TF Motif: Non-risk:  Risk: 	↓	<i>CDK6</i> (+55kb), <i>PEX1</i> (-251kb)
rs339331	prostate cancer	<i>HOXA13</i>	<i>Hoxa13</i> gene mutation results in abnormal prostate development (Podlasek et al. 1999).	TF Motif: Non-risk:  Risk: 	↑	<i>RFX6</i> (+12kb), <i>VGLL2</i> (-377kb)
rs909116	breast cancer	<i>ESR1</i>	Lack of <i>ESR1</i> is the most important factor for predicting poor outcomes in stage 1 breast cancer (Miyoshi et al. 2010).	TF Motif: Non-risk:  Risk: 	↑	<i>TNNT3</i> (+1kb), <i>MRPL23</i> (-27kb)
rs10508517	diastolic blood pressure	<i>SIX2</i>	<i>Six2</i> deficiency is associated with hypertension (Fogelgren et al. 2009).	TF Motif: Non-risk:  Risk: 	↓	<i>RSU1</i> (-138kb), <i>CUBN</i> (+174kb)
rs12917707	chronic kidney disease	<i>SREBF1</i>	<i>SREBF1</i> expression in adipose tissue is elevated in renal failure (Szolkiewicz et al. 2007).	TF Motif: Non-risk:  Risk: 	↓	<i>UMOD</i> (-4kb)