

Significant SNP	Gene ID	Zone 1	Zone 2	Zone 3	Mature	Position (Kb)	Functional annotation
rs1_28232068	Zm00001d028261			30.2	19.3	0	Protein VAC14 homolog
	Zm00001d028262	26.9			9.9	160.7	Nuclear pore complex protein NUP155
rs1_181585597	Zm00001d031182		0.6		21.3	-5.9	Homeobox-transcription factor 84
	Zm00001d031183	4.2			0.5	-0.9	ankyrin repeat family protein
	Zm00001d031184		8.9		23.5	0	RING finger protein 5
	Zm00001d031186		18.0		131.1	45.2	Lactoylglutathione lyase / glyoxalase I family protein
rs3_170147126	Zm00001d042507	9.7		22.3		-39.1	Beta-glucosidase 42
	Zm00001d042508		19.4		7.8	-10.9	Pentatricopeptide repeat-containing protein
	Zm00001d042510	32.3			17.8	0	Ribosomal protein L13 family protein
rs4_188548655	Zm00001d052376	34.8			4.5	-18.4	protein kinase homolog2
	Zm00001d052377			1.1	2.5	0	Pentatricopeptide repeat protein
rs5_72040857	Zm00001d015006		31.0	47.4		-17.2	Signal peptide peptidase
	Zm00001d015007	8.6			0.5	-6.0	Glutamate receptor 3.3
	Zm00001d015008			26.8	1.2	-1.0	UTP--glucose-1-phosphate uridylyltransferase 1
	Zm00001d015009		10.5		6.4	0	Autophagy protein 5
	Zm00001d015012	4.0		1.1		37.4	Serine/threonine-protein kinase Cx32
rs6_166213143	Zm00001d038871	29.1			16.1	-30.6	Mov34/MPN/PAD-1 family protein
	Zm00001d038874		0.1	2.1		-4.1	Probable polygalacturonase
	Zm00001d038875	2.6			0.0	0	Polygalacturonase
	Zm00001d038877	28.1		31.3		4.6	Transducin/WD40 repeat-like superfamily protein
rs7_136726545	Zm00001d020923	1.7			0.3	-37.5	Zinc finger protein
	Zm00001d020925	0.0			2.2	-4.2	BCR/ABL-regulated protein
	Zm00001d020926	8.8			76.9	-0.2	AN15
rs7_150325486	Zm00001d021378	48.5			0.0	0	ARM repeat superfamily protein
rs7_167723671	Zm00001d021995		0.3		2.3	-42.1	LOB domain-containing protein 38
	Zm00001d021998		9.9		0.1	0.1	Scarecrow-like protein 32
rs7_179350048	Zm00001d022525	8.1			14.7	-8.1	Dof-type zinc finger DNA-binding family protein
	Zm00001d022526	1.6		5.9		0	Myb-related protein 2
	Zm00001d022527	17.6			7.8	4.5	Nuclear pore complex protein NUP214
rs8_13722114	Zm00001d008588	1.1			0.3	-32.0	cytochrome P450 family 77 subfamily A
	Zm00001d008590	0.0		1.2		-12.8	Reticulon-like protein B9
	Zm00001d008591	6.5			11.4	0	Octicosapeptide/Phox/Bem1p family protein
rs9_155336319	Zm00001d048385	33.7			16.0	0	PHD finger protein ING1
		Relative Expression					
Low						High	