

Significant SNP	Gene ID	Zone 1	Zone 2	Zone 3	Mature	Position (Kb)	Functional annotation
rs2_225924441	Zm00001d007255			1.59	6.64	-45.6	Protein NRT1/ PTR FAMILY 4.4
	Zm00001d007258	0.03			6.43	0	Probable carboxylesterase 18
rs2_230052852	Zm00001d007372	55.6			0.30	0	Serine carboxypeptidase 1
rs4_24004195	Zm00001d049273		5.62		1.11	0	Coiled-coil domain-containing protein SCD2
rs4_245438736	Zm00001d054037		28.3		5.98	0	Mevalonate kinase
	Zm00001d054038		34.0		44.6	16.5	Transcription factor bHLH104
	Zm00001d054039			20.8	23.3	19.4	NAD(P)-binding Rossmann-fold superfamily protein
	Zm00001d054043			60.4	14.6	30.7	bip2; Binding protein homolog2
rs5_57817213	Zm00001d014658			15.5	11.2	0	Mitogen-activated protein kinase 1
	Zm00001d014659		7.88		72.1	3.4	Macrophage migration inhibitory factor
	Zm00001d014663		6.11		3.20	40.6	Pentatricopeptide repeat-containing protein
rs5_159220630	Zm00001d016361			30.7	4.76	0	Putative GATA transcription factor 22
rs6_165901788	Zm00001d038852	9.00			6.75	-8.8	rtl3; reversion-to-ethylene sensitivity1 like3
	Zm00001d038854			13.7	3.15	0	Glycosyltransferase family protein 64 protein C5
	Zm00001d038855	80.4			7.88	0.8	fen1; flap endonuclease1
	Zm00001d038856		1.66		0.00	5.1	embryo defective 2752
	Zm00001d038857	93.1			12.7	6.1	Chaperonin CPN60-like 2 mitochondrial
rs7_138209361	Zm00001d020969			11.5	0.69	-1.3	Ternary complex factor-like
	Zm00001d020971		6.81		40.2	1.0	lojap
	Zm00001d020972			3.00	5.57	14.2	Pentatricopeptide repeat-containing protein
	Zm00001d020973	6.60			3.51	39.5	Chaperone protein dnaJ 10
rs8_125869950	Zm00001d010720			29.2	19.5	0	cAMP-dependent cGMP-dependent protein kinase C
	Zm00001d010722		2.29		0.17	16.3	Eukaryotic aspartyl protease family protein
	Zm00001d010723		6.32		10.9	18.9	TRAM LAG1 and CLN8 (TLC) lipid-sensing domain
rs9_134470918	Zm00001d047540			103	7.83	-0.2	Guanine nucleotide exchange factor SPIKE 1
rs10_3824942	Zm00001d023342		17.6		6.33	-4.1	Probable peptide/nitrate transporter
	Zm00001d023343	6.21			409	0	Non-specific lipid-transfer protein
	Zm00001d023344			1655	0.99	15.3	Unknown
	Zm00001d023345			15.4	0.01	29.1	Non-specific lipid-transfer protein 1

Low Relative Expression High

