Chromosome Introduction/Parental Cross	Plant Line	Population
Chromosome 1		
Sun II-I x B73	1.36	F5-K2767 (8/29/08)
Chromosome 2		
Starter I-I x Seneca 60	2.01	F4-K2641 (4/25/07)
Sun II-I x Seneca 60	2.16	F4-K2341 (4/15/05)
Starter I-I x Mo17	2.48	F4-K2770 (8/29/08)
Starter I-I x B73	2.51	F6-K2775 (8/25/08)
Chromosome 3		
Sun II-I x Seneca 60	3.01	F6-K2791 (8/25/08)
Chromosome 4		
Starter I-I x Seneca 60	4.01	F9-K1053 (1/20/04)
Sun II-I x B73	4.40	F4-K2799 (8/13/08)
Starter I-I x B73	4.41	F4-K2804 (8/18/08)
Chromosome 5		
Sun II-I x Seneca 60	5.59	F5-K2423 (11/1/05)
Sun II-I x B73	5.60	F6-K2805 (9/2/08)
Sun II-I x Mo17	5.61	F5-K2810 (8/29/08)
Chromosome 6		
Starter I-I x Seneca 60	6.01	F8-K1035 (6/6/06)
Sun II-I x Seneca 60	6.29	F2-3775 (10/12/02)
Starter I-I x Mo17	6.32	F4-K2598 (4/1/07)
Chromosome 7		
Starter I-I x Seneca 60	7.06	F4-K2122 (7/19/04)
Chromosome 8		
Sun II-I x B73	8.05	F4-K2893 (11/1/08)
Chromosome 9		
Starter I-I x Seneca 60	9.01	F7-K2503 (4/15/06)
Starter I-I x B73	9.41	F5-K2891 (9/2/08)
Chromosome 10		
Starter I-I x Mo17	10.23	F6-K2903 (8/25/08)
Oat		
Starter I-I		
Sun II-I		
Maize		
B73		

ID	Name	Arabidopsis Homolog	RPKM base	RPKM -1cm	RPKM +4 cm	RPKM tip	Maize Chr
GRMZM2G034360	*ZmFHT*	AT5G41040.2	1.25	146.26	0.21	0.16	8
GRMZM2G162758	*ZmCYP86B1*	AT5G23190.1	2.43	22.27	7.12	4.77	1
GRMZM2G059637	*ZmGPAT5*	AT3G11430.1	0.00	42.35	0.08	0.08	6
GRMZM2G075140	*ZmKCS2*	AT1G04220.1	9.67	185.71	42.06	9.10	4
GRMZM2G010868	*ZmLP1*	AT2G38540.1	216.90	1078.90	114.14	52.79	3
GRMZM2G085678	*ZmSHN1*	AT1G15360.1	23.74	1.66	0.30	0.34	5
GRMZM2G445602	*ZmFDH*	AT2G26250.1	490.71	481.01	75.01	9.44	1
GRMZM2G114642	*ZmGL1*	AT5G57800.1	1.03	447.49	69.54	29.06	7
GRMZM2G164974	*ZmKCS6*	AT1G68530.1	11.44	478.30	86.14	16.39	1
GRMZM2G157569	*ZmABCG12*	AT1G51500.1	73.96	341.30	54.96	20.13	?

* Columns 1 to 7 are data taken directly from Li et al. (2010).
* Column 8 are gene locations determined in this study using the BLAST function in MaizeGDB.

Primer Name	Gene	Orientation	Primer Sequence (5'-3')
ZmCA F	*ZmCA2*	F	CCAAGTACATGGTGTTCGCTTGCT
ZmCA R	*ZmCA2*	R	CATTTGCAAGCCCTTCCTTGACGA
ZmDiT1 F	*ZmDiT1*	F	CATCATCATCGCCTTTCTCC
ZmDiT1 R	*ZmDiT1*	R	GATGAGCCAGATGACCTCGT
ZmDiT2 F	*ZmDiT2*	F	TGCGAACTCCAGTGCTCTCTTCTT
ZmDiT2 R	*ZmDiT2*	R	TTCGACATCCAGGACACAATCCCA
ZmMDH6 F	*ZmMDH6*	F	ATGGCCAAATCTTTGCTGACCAGG
ZmMDH6 R	*ZmMDH6*	R	TCACCATCACCCTTCGATCTGCAT
ZmNADP-ME1 F	*ZmNADP-ME1*	F	GTTGACCCATCAGTTTGCTTGCCT
ZmNADP-ME1 R	*ZmNADP-ME1*	R	TTGAACGGCCCTGACTCCATGTAT
ZmOMT1 F	*ZmOMT1*	F	ATCTTCCTACCGCTCGTCAAGTCT
ZmOMT1 R	*ZmOMT1*	R	ATGCCAAGCCCTCCAACAAACTTC
ZmPEPC F	*ZmPEPC*	F	CACGCACCTCGGCATCGGGTCGTACCGCG
ZmPEPC R	*ZmPEPC*	R	CCTGCGCCATCTCCTCCTGCGCCCTGT
ZmPPDK F	*ZmPPDK*	F	TGAAGATCGCCGTGGACATGGTTA
ZmPPDK R	*ZmPPDK*	R	TAACATCATCCACCCAGGCCATGA

Primer Name	Gene	Primer Sequence (5'-3')	Reference/Source
ZmOMT1 FqPCR	*ZmOMT1*	GCAATGGCTGGCTACCTCAACAAA	Tolley
ZmOMT1 RqPCR	*ZmOMT1*	AGCACCAAGACACCGAATGAGAGT	Tolley
ZmPEPC FqPCR	*ZmPEPC*	AAGCAAATTCCTCCAAACGAGCCC	Tolley
ZmPEPC RqPCR	*ZmPEPC*	AGCTCAAGTGGCTCAAGGAACTCT	Tolley
AsACTIN FqPCR	*AsACTIN*	AGCTCGCATATGTGGCTCTTGACT	Tolley
AsACTIN RqPCR	*AsACTIN*	TCTCATGGATTCCAGCAGCTTCCA	Tolley
AsACTIN Degenerate R	*AsACTIN*	GGTATTGTGYTSGAYTCTGGTGATGGTGT	Tolley
AsACTIN Degenerate F	*AsACTIN*	CCTTCCTGATATCVACRTCACAYTTCATG	Tolley
RTMaz95 F	*ZmACTIN*	GAAGCACCTCTGAACCCAAA	Lin et al. 2008
RTMaz95 R	*ZmACTIN*	GGCAGTCAGTCAGATCACGA	Lin et al. 2008