

Additional file 5 Integration of TF ORFeome information into Soykb

On the TF-ORFeome data page in SoyKB (A), clicking a gene of interest will lead you into the gene card page of this gene (B), where you can browse the relevant genomic information (C) and multi-omics expression datasets (D, E).

A

TF-ORFeome-Drought Clone and Primer Information

Download

HN_CCL_105	Glyma02g14880	Glyma02g14880.3	BZIP	ATGAACCTCAGGAACCTTGGTGTGGAGATAACCACCCCACTTGGGATGCCATGCATC
HN_CCL_137	Glyma03g37790	Glyma03g37790.2	BZIP	ATGGCATCACCGATCCAACAACAACGCTCGACTACTACAAGTTCTGGATCTGAAG
HN_CCL_129	Glyma05g28960	Glyma05g28960.1	BZIP	ATGGCTTCTCCTGGTGAAGTGAACCTATTCACTGGTTCAGTCTCTTCAAACCT
HN_CCL_125	Glyma06g01240	Glyma06g01240.1	BZIP	ATGACTATGGCTTGTCAAGTGAACATCTTCAGGGACGTCGCGGAGCTGCAGGGT
HN_CCL_138	Glyma08g12170	Glyma08g12170.1	BZIP	ATGGCTTCTCCTGGTGAAGTGGACCTATTCACTGGTTCAGTCTCTCAAACCT
HN_CCL_142	Glyma08g28220	Glyma08g28220.1	BZIP	ATGCAGGCCAGGGAGATCACAGGACTCAATTTACTCCCTCAGACCTTGTTC
HN_CCL_130	Glyma11g12240	Glyma11g12240.1	BZIP	ATGGCTTGTCAAGTGAACATCTTCAGGGTCATTATCTCTGCTTCAGAACCTGGTT
HN_CCL_128	Glyma12g04440	Glyma12g04440.1	BZIP	ATGGCTTCTCAAGTGAACATCTTCAGGGTCATCTGCTTCAGAACCTGGTCTCTC
HN_CCL_141	Glyma16g03190	Glyma16g03190.1	BZIP	ATGGAAACAGTGAGGAAGAGAAATCTGTTAAACTGGAAGTCTTCTTCCACCTC
HN_CCL_140	Glyma17g17100	Glyma17g17100.1	BZIP	ATGCTTTCTCCCTCCCTCCGACCCCTTCTCACCTTCTCCGCGGGCTCACGCCGT

TF-ORFeome-Drought Motif Prediction

TF-ORFeome-Drought Motif Site Summary

B

Home Search Browse Tools Data Files Information Help About

SOYBEAN KNOWLEDGE BASE (SoyKB)

A web resource for Soybean Translational Genomics

Quick Search Gene Card

GeneID (GlymaID) **Gene Mapping Name (G.max Wm82.a2.v1)**

Gene Version

Gene Model V1.0 ➔ Assembly V1.1

Deleted Gene in Latest Gene Model Version 9.0

Gene Family Name

BZIP Transcription factor

Alternative Spliced Gene Models

Glyma02g14880.1 ➔ Glyma02g14880.2 ➔ Glyma02g14880.3

Gene Model Draft

C

Chromosomal Information

Gene	Chromosome	Start	End	Strand	PACID	LetterCode*	Note	GenomeBrowser
mRNA	Gm02	13385858	13388487	-	16248100	E	protein_coding_gene	View
Exons								
CDS	Gm02	13387345	13388487	-	16248100	E	protein_coding_gene	
CDS	Gm02	13386434	13386905	-	16248100	E	protein_coding_gene	
CDS	Gm02	13386304	13386333	-	16248100	E	protein_coding_gene	
CDS	Gm02	13386132	13386206	-	16248100	E	protein_coding_gene	
UTRs								
3'-UTR	Gm02	13385858	13386131	-	16248100	E	protein_coding_gene	

*refer to : <http://www.phytozome.net/soybean.php>
E EST consistent

QTL Traits

Traits	Chromosome	Start	End
FUNGAL	GM02	11820000	14972000
IRRIGATED YIELD NGUYEN LAB	GM02	11465400	23777900
LEAF-STEM	GM02	1773000	22655000
ROOT DRY WEIGHT NGUYEN LAB	GM02	11465400	23777900

SNP

GWAS

Chromosome	Position	Ref	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15
Gm02	13386705	T	T	T	T	T	T	C	C	C	T	Y	T	T	T	T	T
Gm02	13386995	T	T	T	T	T	T	C	C	C	T	Y	T	T	T	T	T
Gm02	13387071	C	C	Y	C	C	C	T	-	-	C	-	C	C	T	-	T
Gm02	13387211	G	G	G	G	G	G	G	G	G	G	G	G	G	S	C	G
Gm02	13387336	A	A	R	A	A	A	G	G	G	A	R	A	A	R	R	G
Gm02	13388030	T	A	A	T	T	T	-	A	A	T	W	T	T	W	W	A
Gm02	13388464	A	A	M	A	A	A	C	C	C	-	C	A	A	A	A	C

D

Fast Neutron Mutant Data

(special license needed to access the data)

Sequence Evidence

EST - No data available for this gene ID

5' RATE - No data available for this gene ID

Full Length cDNA - No data available for this gene ID

Epigenomics Evidence

Methylation Data - No data available in this gene.

Proteomics Evidence

Proteomics[B.japonicum Inoculation] - No data available in this gene.

Proteomics[Heat Stress] - No data available in this gene.

Proteomics [Public Data] - No data available in this gene.

Transcriptomics Evidence

Rna-seq(Solexa/Illumina)

Transcriptomics [Solexa/Illumina_RPKM]

Transcriptomics [Solexa/Illumina_ReadCount] (special license needed to access the data)

Microarray

Transcriptomics [Microarray - Leaf and Root] (special license needed to access the data)

Transcriptomics [Microarray - Tissue]

Transcriptomics [Microarray - Stress]

Transcriptomics [Steve-Affy] (special license needed to access the data)

Transcriptomics[Melissa] - No data available for this gene ID

Oligo

Transcriptomics[Oligo] - No data available for this gene ID

CDNA

Transcriptomics[CDNA] - No data available for this gene ID

Rna-seq (Trinity)

Transcriptomics[Steve-CD215] - No data available for this gene ID

Transcriptomics[Steve-IAC100] - No data available for this gene ID

E

