

Sihdz20	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz23	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz24	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz25				IV
Sihdz26	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz30	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz31	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz32	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz35	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz36	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV
Sihdz42	regulation of transcription, DNA-dependent	transcription factor activity; sequence-specific DNA binding		IV

Table S2. Cis-acting element of promoter.

Site Name	Number of genes	Function of the cis-elements	Cis-elements types
CGTCA-motif	42	cis-acting regulatory element involved in the MeJA-responsiveness	Hormone responsive
TGACG-motif	42	cis-acting regulatory element involved in the MeJA-responsiveness	Hormone responsive
MBS	40	MYB binding site involved in drought-inducibility	Stress responsive
ARE	33	cis-acting regulatory element essential for the anaerobic induction	Stress responsive
ABRE	30	cis-acting element involved in the abscisic acid responsiveness	Hormone responsive
GC-motif	29	enhancer-like element involved in anoxic specific inducibility	Stress responsive
motif IIb	25	abscisic acid responsive element	Hormone responsive
CAT-box	20	cis-acting regulatory element related to meristem expression	Meristem expression
TC-rich repeats	19	cis-acting element involved in defense and stress responsiveness	Stress responsive
TCA-element	18	cis-acting element involved in salicylic acid responsiveness	Hormone responsive
TCA-element	18	cis-acting element involved in salicylic acid responsiveness	Hormone responsive
TGA-element	18	auxin-responsive element	Hormone responsive
GARE-motif	17	gibberellin-responsive element	Hormone responsive
HSE	9	cis-acting element involved in heat stress responsiveness	Stress responsive

Figure S1. Chromosomal distribution and segmental duplication events of 25 sihdz genes in green foxtail.

Figure S2. Expression profiles of sihdz genes in different tissues. The RNA-Seq data were analyzed and a heat map was generated. Values from 0 to 7 represent low to high expression.