

Table 1 Suppl. Adapters and primers used for methylation-sensitive amplification polymorphism (MSAP) analysis in wheat.

Adapters and primers	Sequences (5'-3')
EcoRI adapter-F	CTCGTAGACTGCGTACC
EcoRI adapter-R	AATTGGTACGCAGTCTAC
EcoRI basic primer	GACTGCGTACCAATTCA
EcoRI + ACT (E1)	GACTGCGTACCAATTCAC
EcoRI + ACA (E2)	GACTGCGTACCAATTCACA
EcoRI + AAG (E3)	GACTGCGTACCAATTCAAG
EcoRI + ACC (E4)	GACTGCGTACCAATTCACC
EcoRI + ACG (E5)	GACTGCGTACCAATTCACG
HpaII/MspI adapter-F	GATCATGAGTCCTGCT
HpaII/MspI adapter-R	CGAGCAGGACTCATGA
HpaII/MspI basic primer	ATCATGAGTCCTGCTCGGT
HpaII/MspI + TAAT (HM1)	ATCATGAGTCCTGCTCGGTAAT
HpaII/MspI + TCAA (HM2)	ATCATGAGTCCTGCTCGGTCAA
HpaII/MspI + TCCA (HM3)	ATCATGAGTCCTGCTCGGTCCA
HpaII/MspI + TCGA (HM4)	ATCATGAGTCCTGCTCGGTCTGA
HpaII/MspI + TTCT (HM5)	ATCATGAGTCCTGCTCGGTTCT
HpaII/MspI + TCT (HM6)	ATCATGAGTCCTGCTCGGTCT
HpaII/MspI + TTG (HM7)	ATCATGAGTCCTGCTCGGTTG
HpaII/MspI + TTA (HM8)	ATCATGAGTCCTGCTCGGTTA
HpaII/MspI + TGC (HM9)	ATCATGAGTCCTGCTCGGTGC

Table 2 Suppl. Criteria for scoring bands in MSAP gels.

Sample	Controls		Stressed plants		Status
	EcoRI + HpaII digested (H)	EcoRI + MspI digested (M)	EcoRI + HpaII digested (H)	EcoRI + MspI digested (M)	
A	1	0	1	0	no change
B	0	1	0	1	
C	1	1	1	1	
D	1	0	1	1	demethylation events
E	0	1	1	1	
F	0	0	1	1	
G	0	0	0	1	methylation events
H	0	0	1	0	
I	0	1	1	0	
J	1	1	1	0	
K	1	1	0	1	
L	1	1	0	0	
M	0	1	0	0	
N	1	0	0	0	
O	1	0	0	1	



Fig. 1 Suppl. Phenotypic morphology of drought-tolerant wheat genotype (C306) and drought-sensitive wheat genotypes (HUW468). *A, B* - tillering stage; *C, D* - booting stage; *E, F* - heading stage, and *G, I* - anthesis stage.

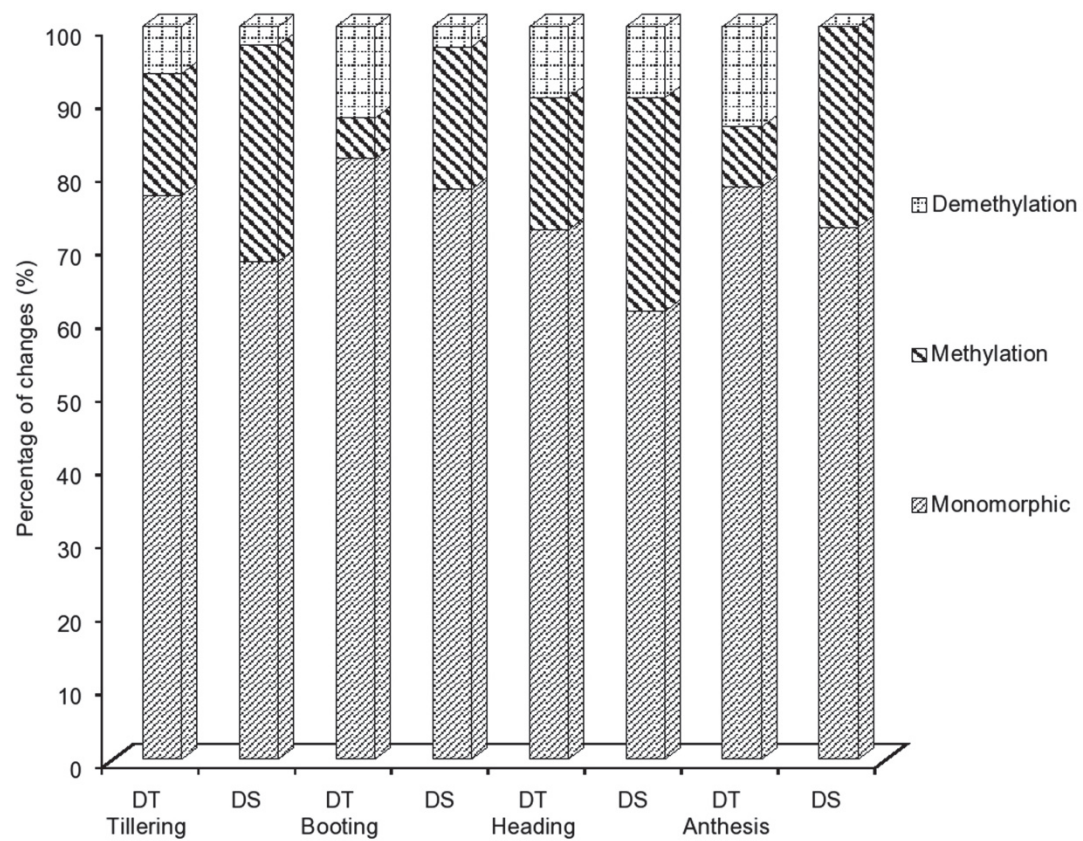


Fig. 2 Suppl. Status of methylation polymorphism in root samples in drought-tolerant (DT) and drought-sensitive (DS) genotypes of wheat at four growth stages (tillering, booting, heading, and anthesis).

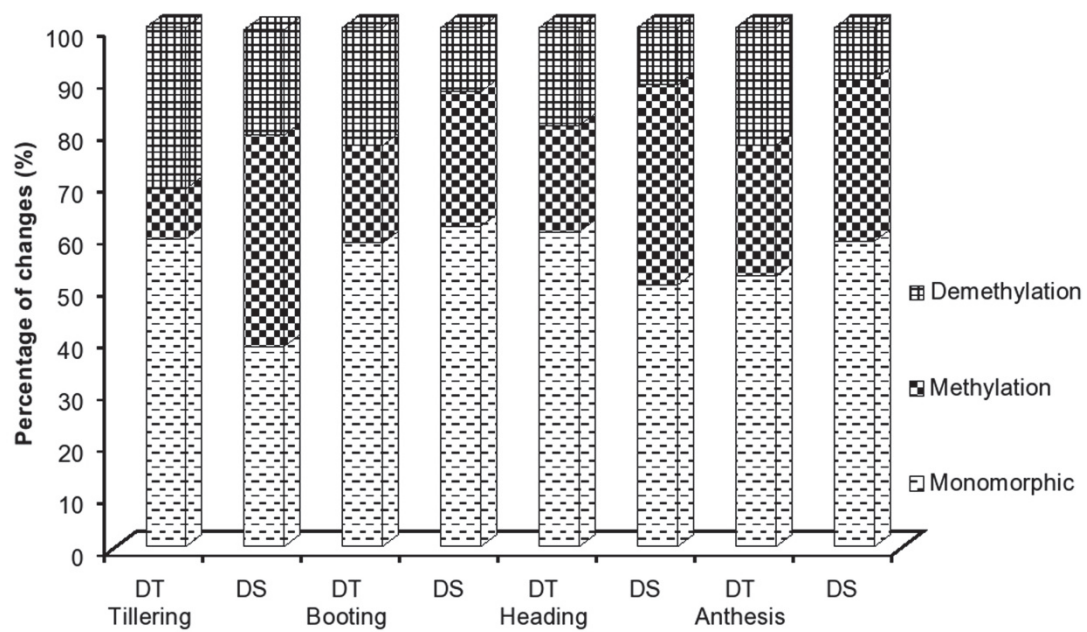


Fig. 3 Suppl. Status of methylation polymorphism in leaf samples of drought-tolerant (DT) and drought-sensitive (DS) genotypes of wheat at four stages of growth (tillering, booting, heading, and anthesis).