

Supplemental data

Table S1. Access numbers, length and chromosomal location of the analyzed rapeseed MT promoter sequences obtained from the NCBI database.

Sequences	Access Number	Sequences lenght [bp]	Chromosomal localization
MT1	JX035784.1	1345	C8
MT2-1	LOC106432553	1498	No information
MT2-2	LOC106452737	1499	A5
MT2-3	LOC106448886	783	A1
MT2-4	LOC106448877	774	A1
MT2-5	LOC106448867	889	A1
MT2-6	LOC106439197	1136	A3
MT2-7	LOC106438836	1378	A3
MT2-8	LOC106433557	1266	No information
MT2-9	LOC106427915	714	No information
MT2-10	LOC106424043	1290	No information
MT2-11	LOC106386474	1497	C3
MT2-12	LOC106372582	1374	A10
MT2-13 (pseudogen)	LOC106429058	942	A3

MT3-1	LOC106401680	1499	C5
MT3-2	LOC106406652	1493	C6
MT3-3	LOC106385799	1495	C3
MT-EC	LOC106388507	1496	C3

Table S2. Selected cis-regulatory elements found in the rapeseed MT promoter sequences.

Groupe	Motives	Function	Consensus sequences	Occuurence
Motives related to the light response	I-box	light response element (Martínez-Hernández et al., 2002)	GATAAGATT, TATTATCTAGA, GATAAGR	MT2-1, MT2-2, MT2-6, MT2-10, MT2-11, MT3-3
	BOX II	light response element (Block et al., 1990)	TCCACGTGGC, ACGTGGC	MT2-13
	ACE	light response element (Block et al., 1990)	ACGTGG(A/C)	MT2-5, MT3-3
	GT1-motif	light response element (Green et al., 1988)	GGTTAA	MT2-3, MT2-4, MT2-6, MT2-11, MT2-13, MT3-1, MT3-3
	G-box	light response element (Menkens et al., 1995)	CACGTG	MT2-3, MT2-4, MT2-5, MT2-6, MT2-7, MT2-8, MT2-9, MT2-11, MT2-12, MT2-13, MT3-2, MT3-3, MT2-14

Motives related to the stress response	MNF1	light response element (Morishima A., 1998)	GTGCCC(A/T)(A/T), GTGCCCTT	MT2-1, MT2-10
	MRE	light response element (Schulze-Lefert et al., 1989)	AACCTAA, AACCTAACCT	MT2-13, MT3-2
	Sp1	light response element (Hudson & Quail, 2003)	GGGCC	MT2-1, MT2-10
	LTR	element activated in cold conditions (Dunn et al., 1998)	CCGAAA	MT2-1, MT2-2, MT2-10, MT3-1, MT1,
	W-box	element involved in the response to fungal elicitors (Rushton et al., 1996)	TTGACC	MT2-9, MT3-2,
	AT-rich sequence	element involved in the response to fungal elicitors (Matarasso et al., 2005)	TAAAATACT, TAAAATAT	MT2-8, MT2-11, MT2-12
	MBS	element involved in the regulation of drought-related genes (Urao et al., 1993)	CNGTT(G/A), TAACTG, CAACTG	MT3-1, MT1, MT2-9, MT2-10, MT3-2,
	TCA-element	element associated with salicylic acid inducing the expression of many genes (Goldsbrough et al., 1993)	CCATCTTTTT, TCATCTTCTT	MT2-1, MT2-10
	ERE	element related to the ethylene response (Itzhaki et al. 1994)	A(T/A)TTCAAA	MT3-1, MT1, MT2-6, MT3-2, MT3-3

	ABRE	element related to the ABA response (Choi et al., 2000)	(C/T)ACGTGGC, ACGTG, GCAACGTGTC, CACGTG	MT1, MT2-3, MT2-4, MT2-5, MT2-6, MT2-7, MT2-8, MT2-9, MT2-12, MT2-13, MT2-14, MT2-11
	P-box	element related to the gibberellins response (Mena et al., 2002)	CCTTTT	MT2-2, MT2-7, MT2-8, MT3-3
	Circadian clock	element related to the circadian cycle (Piechulla et al., 1998)	CAANNNNATC	MT2-1, MT2-2, MT2-3, MT2-4, MT2-5, MT2-7, MT2-8, MT2-9, MT2-10, MT2-12, MT3-1, MT3-2, MT3-3, MT2-14