Table 1 Suppl. Primers used for macroarray-based examination of the expression of genes in response to drought. The last seven primers listed were used for qPCR.

Origin	Description	Forward and reverse primers	Accession No.	Product size [bp]
Phaseolus vulgaris	hypothetical protein	F: CCCAGTGATGTTGAAATAGTCATCA R: TGCAGCAAATAGAAATTGGAAAGGA	FE698412	147
Phaseolus vulgaris	protein ERD	F: GGCTGCGAGAAGACGACAGA R: AAATTTAGGAGCAAAACCCTCACC	H0798718	93
Glycine max	photosystem II proteins	F: AGGAATGAATAAAGGAAGTGACAGT R: ACATCTTGCAGCCTGCTCTG	BT090497.1	168
Propionicbacterium acnes	peptidase family M13	F: TCGAAGCCGTCGGCACGATC R: GGCGGGATCCGACTCCTCGG	CP006032.1	149
Phaseolus vulgaris	microsatellite SSR-IAC 105	F: TCACTCGCCGGAAGTGGACA R: CACCTGGTCGCCAGCGAACC	DQ469502.1	241
Phaseolus vulgaris	type 2 metallothionein	F: ACGGCTGCTCAGGCTGCAAG R: ACAGGGGTCGCATTGGCAGT	EE253620	176
Phaseolus vulgaris	myo-inositol-1- phosphate synthase	F: ACACAACACCTGTGAGGATTCACTG R: TCACCACTGGGGTACCAGGTGG	EE253611	191
Phaseolus vulgaris	Hypothetical protein CAB71133	F: TCTTGGGCATCTTTAGCTCGGGT R: GGTGCCATTGTTGGCAGCGC	EE253621	155
Phaseolus vulgaris	Periplasmic cytochrome C	F: TGGCTCATCCCGGTGGACCC R: CACTTGCATGGACAGTTTGTTTGGC	DT661623	156
Phaseolus vulgaris	DEHYDRIN	F: TGCAGCAAACTTATTAAAAACACA R: GACATCGTGTGTGTGCATGC	EE253616	77
Phaseolus vulgaris	Transmembrane a.a. transporter protein	F: AGCTCGCAAAAGCTCTGGCAT R: AACACTAAAAACTACGGGGCTCCT	EE253608	180
Phaseolus vulgaris	LEA4	F: TTTAACCAGTAACAACACCCA R: TCTTTAGTCTTGTTCACTTTTTCTC	EE253612	70
Phaseolus vulgaris	Glycosylation enzyme	F: GATGACTCGTCATTGCCATCCATG R: CTTCTACACAAACTCTAACGTGGCC	DT661629	105
Phaseolus vulgaris	Clone 169	F: GCACTAGTGTAATCTATTTACAGA R: GTACTATTCCAACATTACGTAACT	DT661626	72
Phaseolus vulgaris	Clone 033	F: GCCGTTAGAAACATGGATGG R: CGGTTGTAATACCACGGTCT	DT661622	96
Zea mays	26S ribosomal RNA gene	F: GCTCACGTTCCCTATTGGTG R: CGTGGCCTATCGATCCTTTA	NR_028022	199
Glycine max	Clone GMFL 01-08-H07	F: ACCATGCTTGGTTTGCACGCTTCA R: ACCACGCGACACAGCCTGAT	AK285380.1	206
Phaseolus vulgaris	POLYUBIQUITIN2	F: CATCCAGAAGGAATCCACTCTGCAC R: TGAAAAGCTTAAAAGCCACCGCGA	EE253619	291
Phaseolus vulgaris	α-Carboxyltrans ferase	F: GTACCGTTTCTTAATAAGTGCTG R: CCGTATCAAGATCACTCACAC	DT661624	99
Phaseolus vulgaris	Sulphur-rich proteins	F: CCTGCGTGAGCCACAGGGTG R: CGTGTGGGACAACGTCCCGT	GW912990.1	242
Phaseolus vulgaris	Elongation factor 1A	F: CCCCTGTTGAACCGCCCAGC R: AGGATCCCACTGGAGCCAAGGT	EE253615	75
Phaseolus vulgaris	LEA3	F: TGCGGGACAGACCTTCAACG R: GGTCACCATATGAACCTCTAGAACC	DQ196430	245

Table 2 Suppl. Number of induced genes identified by cDNA arrays (1E - first water stress; R1E - recovery after the first water stress; 2E - second water stress; R2E - recovery after the second water stress; EF - unique water stress at the beginning of the flowering stage; REF - recovery after the unique water stress; ND - not determined).

Treatment	Pinto Saltillo	Pinto Villa	Bayo Madero	Canario 60
1E	17	19	4	5
R1E	9	13	0	2
2E	14	16	0	2
R2E	ND	6	ND	0
EF	20	7	3	0
REF	ND	2	ND	0

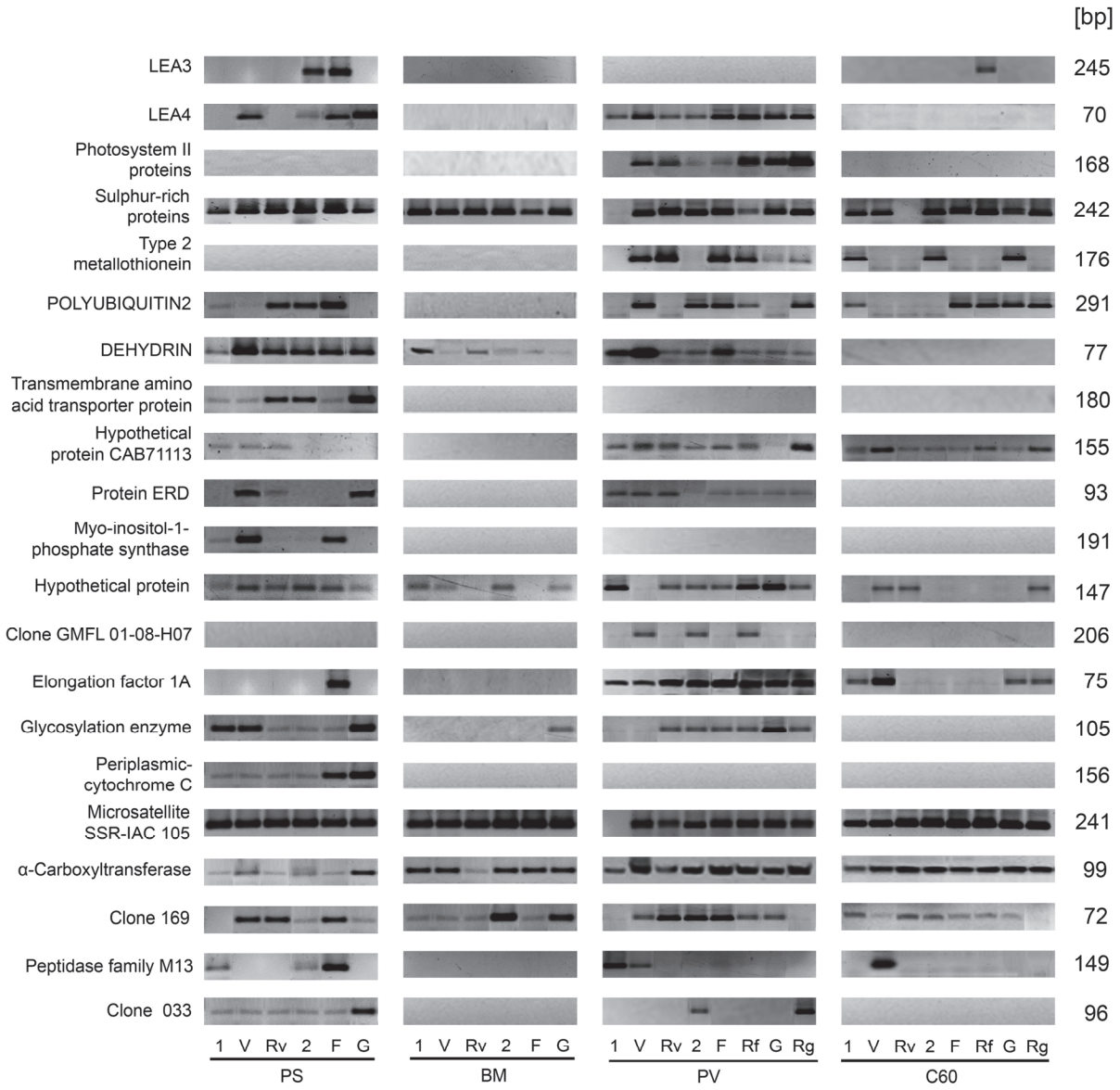

Fig. 1 Suppl. Expression profiles associated with the drought response observed by RT-PCR. 1 - irrigation at the vegetative stage, 2 - irrigation at flowering initiation, V - water stress at V4 stage, Rv - recovery at the vegetative stage, F - second drought stage, G - single stress, Rg - recovery after single stress. PS - Pinto Saltillo, BM - Bayo Mader, PV - Pinto Villa, C60 - Canario 60.