

## Supplementary Material to: “Genome-wide analysis of the transcriptional response to drought stress in root and leaf of common bean”

**Table S1** Physiological parameters measured on plants grown hydroponically and exposed to short-term water deficit. Statistical analysis presents the mean, standard deviation (SD) and coefficient of variation (CV) as a percentage of physiological analyses performed between genotypes at seven distinct times of treatments.

Photosynthetic carbon assimilation ( $\mu\text{mol CO}_2 \text{ m}^{-2} \text{ s}^{-1}$ )														
	T0		T25		T50		T75		T100		T125		T150	
Genotype	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
BAT 477	10,62 aB*	0.93	15,30 aA	2.87	8,40 aB	1.16	7,19 aB	2.91	6,68 aB	2.03	2,19 aC	2.19	0,23 aC	0.41
PÉROLA	15,75 bA	2.05	14,08 aA	1.71	11,88 aAB	3.98	7,62 aBC	4.53	4,90 aCD	1.68	1,45 aD	1.02	1,25 bD	0.65
Stomatal conductance ( $\text{mol H}_2\text{O m}^{-2} \text{ s}^{-1}$ )														
	T0		T25		T50		T75		T100		T125		T150	
Genotype	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
BAT 477	0,21 aB	0.04	0,39 aA	0.1	0,16 aBC	0.03	0,14 aBCD	0.13	0,09 aBCD	0.04	0,04 aCD	0.02	0,02 aD	0.01
PÉROLA	0,38 aA	0.14	0,37 aB	0.1	0,28 bC	0.05	0,10 aD	0.04	0,06 aE	0.02	0,07 aF	0.08	0,02 aG	0.01
Internal CO <sub>2</sub> concentration ( $\mu\text{mol CO}_2 \text{ mol}^{-1}$ )														
	T0		T25		T50		T75		T100		T125		T150	
Genotype	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
BAT 477	261,50 aAB	11.12	292,50 aAB	7.42	276,75 aAB	6.40	246,25 aB	62.10	229,00 aB	71.99	280,25 aAB	57.32	349,00 aA	27.39
PÉROLA	269,50 aAB	16.42	291,25 aA	14.25	288,50 aAB	23.73	242,25 aAB	25.25	217,50 aB	33.91	287,75 aAB	65.83	236,25 bAB	35.51
Leaf transpiration rate ( $\text{mmol H}_2\text{O m}^{-2} \text{ s}^{-1}$ )														
	T0		T25		T50		T75		T100		T125		T150	
Genotype	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
BAT 477	3,84 aB	0.57	7,12 aA	1.02	4,15 aB	0.5	3,35 aBC	2.43	2,94 aBCD	1.03	1,44 aCD	0.57	0,76 aD	0.53
PÉROLA	5,68 bA	1.31	6,93 aA	1	6,04 bA	0.78	2,82 aB	1.13	1,87 aB	0.48	2,01 aB	2.1	0,70 aB	0.23
Leaf temperature ( $^{\circ}\text{C}$ )														
	T0		T25		T50		T75		T100		T125		T150	
Genotype	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
BAT 477	27,02 aE	0.26	28,15 aE	0.48	30,10 aD	0.43	30,83 aCD	1.19	31,84 aC	0.24	34,19 aB	0.45	35,44 aA	0.35
PÉROLA	26,29 bE	0.47	28,28 aD	0.46	29,40 aD	0.43	31,25 aC	0.43	32,50 bBC	0.37	33,46 aB	1.78	35,66 aA	0.19

\*The different lowercase between genotypes under the same treatment indicate statistically significant differences, and the different capital letters among treatments for the same genotype indicate statistically significant differences ( $p \leq 0.05$ ).