

Enantioselective Phytotoxicity of the Herbicide Imazethapyr on the Response of the Antioxidant System and Starch Metabolism in *Arabidopsis thaliana*

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SUPPLEMENTARY DATA

Table S1. Primer sequences used in the real time qPCR analysis.

Gene name	Primer sequence	Genbank accession no.
Actin 2	F:ACCTTGCTGGACGTGACCTTACTGAT-3 R:GTTGTCTCGTGGATTCCAGCAGCTT-3	Genbank : NO.U41998.1
CSD1	F:TCCATGCAGACCCTGATGAC R:CCTGGAGACCAATGATGCC	NM_100757.3
CSD2	F:CATTCTCATCTCCTTCTCG R:GATTGGAGACGGTGGAGAT	NM_128379.3
CSD3	F:ACTGATGGAAGCTCCTAGA R:GCCAGGAGAGAGTCCTGAGAT	NM_001125773.1
FSD1	F:CTCCCAATGCTGTGAATCCC R:TGGTCTTCGGTTCTGGAAGTC	NM_179110.2
FSD2	F:GGAACCGCATATGAGCCGGGAAACC R:CTTGTCTTCCTCCTTTGGGAGAGG	NM_124489.2
FSD3	F:GGTGGTTTAAAGGTTGAAGCTTACTACGG R:CCTTATCAATCTGCTCAAGAACACCC	NM_122237.3
MSD1	F:ATGTTTGGGAGCACGCCTAC R:AACCTCGCTTGCATATTTCCA	NM_111929.3
CAT1	F:AAGTGCTTCATCGGGAAGGA R:CTTCAACAAAACGCTTCACGA	NM_101914.3
APX1	F:TGCCACAAGGATAGGTCTGG	NM_001123772.1

	R:CCTTCCTTCTCTCCGCTCAA	
APX2	F:TGATGTGAAGACGAAGACAGGAGGAC R:CCCATCCGACCAAACACATCTCTTA	NM_111798.3
APX3	F:CCCAAATCACATACGCAGACCTGTA R:AGTTGTCAAACCTTCAGCGGCTCTTG	NM_119666.3
APX4	F:CTACTAAATCCGGGGGAGCCAATG R:CTCTGTTGCATCACTCCTTCCAAAAT	NM_116970.3
APX5	F:AGCTAAACCGTCCACACAACAAAGGT R:GTCCCAAAGTGTGACCTCCAGAGAGA	NM_119763.2
APX6	F:TGCAAAACGAAATAAGGAAAGTGGTG R:CACTCAGGGTTTCTGGAGGTAGCTTG	NM_119384.4
GPX1	F: CAGGAGGATTCTTGGGTGGTC R: TTCTCGATTTGGAAAGGGGAT	NM_128065
GPX2	F: AAATGTGGTCTGACGGATGC R: CATTGTTTCTGGTTCTTGTC	NM_128714
GPX3	F: AGTCAAGAGCCAGGCAGCAA R: GCATCCCCAAACAATCCTCC	NM_129896
GPX4	F: GGGAAAGTCCTCCTCATCGTC R: GTGCCGGGCTCCTGGTATA	NM_130382
GPX5	F: GGAAAGTGCTGCTCGTCGTC R: GCAAGGAAACGCCAATACCA	NM_116173
GPX6	F: GCTCTTTGGAGACGGCATT R: AGGTGAGGTAGTTGGTGCGA	NM_117229
GPX7	F: ACACCCTTCAATGGTTTCGC R: CTGAAACCCATTACTCGGAT	NM_119337
GPX8	F: CAGTGAGAAATGGCGACGAA R: CCCACATTTGGAAGCAACATT	NM_105025
