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Mellado-Sanchez, M., Mcdiarmid, F., Cardoso, V., Kanyuka, K. and Macgregor, D. 2020. Virus-mediated transient expression techniques enable genetic modification of *Alopecurus myosuroides*. *Plant Physiology*. 183, pp. 455-459.

The publisher's version can be accessed at:

- <https://dx.doi.org/10.1104/pp.20.00205>
- <http://www.plantphysiol.org/cgi/doi/10.1104/pp.20.00205>

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Supplementary Table 1: Student's T-Test P values to support claims of significance or insignificance used throughout the paper.

Biotype	Treatment 1	Herbicide	Biotype	Treatment 2	Herbicide	P =
Peldon	BSMV:MCS	1.5x field rate fenoxaprop	Peldon	BSMV:asTaPDS	Unsprayed	0.68
Rothamsted	BSMV:MCS	1.5x field rate fenoxaprop	Rothamsted	BSMV:asTaPDS	Unsprayed	0.00093
Peldon	BSMV:MCS	1.5x field rate fenoxaprop	Peldon	BSMV:asAmGSTF1b	1.5x field rate fenoxaprop	0.87
Rothamsted	BSMV:MCS	1.5x field rate fenoxaprop	Rothamsted	BSMV:asAmGSTF1b	1.5x field rate fenoxaprop	0.71
Peldon	BSMV:MCS	1.5x field rate fenoxaprop	Peldon	BSMV:asAmGSTF1a	1.5x field rate fenoxaprop	0.0021
Rothamsted	BSMV:MCS	1.5x field rate fenoxaprop	Rothamsted	BSMV:asAmGSTF1a	1.5x field rate fenoxaprop	0.46
Peldon	BSMV:asTaPDS	Unsprayed	Peldon	BSMV:asAmGSTF1a	1.5x field rate fenoxaprop	0.023
Rothamsted	BSMV:asTaPDS	Unsprayed	Rothamsted	BSMV:asAmGSTF1a	1.5x field rate fenoxaprop	0.0059
Peldon	BSMV:asAmGSTF1a	1.5x field rate fenoxaprop	Rothamsted	BSMV:MCS	1.5x field rate fenoxaprop	0.85
Peldon	FoMV:MCS	1.5x field rate fenoxaprop	Peldon	FoMV:GFP	Unsprayed	0.94
Rothamsted	FoMV:MCS	1.5x field rate fenoxaprop	Rothamsted	FoMV:GFP	Unsprayed	0.0049
Peldon	FoMV:MCS	1.5x field rate fenoxaprop	Peldon	FoMV:AmGSTF1_P	1.5x field rate fenoxaprop	0.015
Rothamsted	FoMV:MCS	1.5x field rate fenoxaprop	Rothamsted	FoMV:AmGSTF1_P	1.5x field rate fenoxaprop	0.082
Peldon	FoMV:MCS	1.5x field rate fenoxaprop	Peldon	FoMV:AmGSTF1_R	1.5x field rate fenoxaprop	0.095
Rothamsted	FoMV:MCS	1.5x field rate fenoxaprop	Rothamsted	FoMV:AmGSTF1_R	1.5x field rate fenoxaprop	0.90
Peldon	FoMV:MCS	1.5x field rate fenoxaprop	Peldon	FoMV:GFP	Unsprayed	0.94
Rothamsted	FoMV:MCS	1.5x field rate fenoxaprop	Rothamsted	FoMV:GFP	Unsprayed	0.049
Peldon	FoMV:GFP	Unsprayed	Peldon	FoMV:AmGSTF1_P	1.5x field rate fenoxaprop	0.075
Rothamsted	FoMV:GFP	Unsprayed	Rothamsted	FoMV:AmGSTF1_P	1.5x field rate fenoxaprop	0.0029
Peldon	FoMV:GFP	Unsprayed	Peldon	FoMV:AmGSTF1_R	1.5x field rate fenoxaprop	0.17
Rothamsted	FoMV:GFP	Unsprayed	Rothamsted	FoMV:AmGSTF1_R	1.5x field rate fenoxaprop	0.0046
Peldon	FoMV:MCS	0.5% glufosinate	Peldon	FoMV:BAR	Unsprayed	0.043
Rothamsted	FoMV:MCS	0.5% glufosinate	Rothamsted	FoMV:BAR	Unsprayed	0.0036
Peldon	FoMV:GFP	0.5% glufosinate	Peldon	FoMV:BAR	Unsprayed	0.059
Rothamsted	FoMV:GFP	0.5% glufosinate	Rothamsted	FoMV:BAR	Unsprayed	0.0020
Peldon	FoMV:BAR	0.5% glufosinate	Peldon	FoMV:BAR	Unsprayed	0.17
Rothamsted	FoMV:BAR	0.5% glufosinate	Rothamsted	FoMV:BAR	Unsprayed	0.103

Supplementary Table 2: Primers used throughout the paper.

Name	Sequence	Purpose	Publication
BSVM_2235_F	GATCAACTGCCAATCGTGAGTA	Sequencing primers for BSMV	Lee et al., 2015
BSVM_2615_R	CCAATTGAGGCATCGTTTTC	Sequencing primers for BSMV	Lee et al., 2015
cons5073 Forward	TCCTCACACAGCCATATCTAGC	For sequencing FoMV inserts	This publication
cons5558 Reverse	TAGCTGCTTGAACAAAGGCC	For sequencing FoMV inserts	This publication
AmPDS_VIGS1a_F	AAGGAAGTTTAAGGAAATCAAAACGGCTGTA	Antisense VIGS for PDS in Alomy	This publication
AmPDS_VIGS1a_R	AACCACCACCACCGTGCTGCTTGAAGGATGACGA	Antisense VIGS for PDS in Alomy	This publication
VIGSa_AmGSTF_205F	AAGGAAGTTTAAGCGACTCCCATAGAAGCAGA	Antisense VIGS for AmGSTF1 in Alomy	This publication
VIGSa_AmGSTF_6R	AACCACCACCACCGTGCCGGTGAAGGTGTTCCGG	Antisense VIGS for AmGSTF1 in Alomy	This publication
VIGSa_AmGSTF_520F	AAGGAAGTTTAAGGAAGTGGTTGAGGTCCGC	Antisense VIGS for AmGSTF1 in Alomy	This publication
VIGSa_AmGSTF_321R	AACCACCACCACCGTCACCTACAACCCGGCGCT	Antisense VIGS for AmGSTF1 in Alomy	This publication
FoMV_AmGSTF1_F	ACAGGCGGCCGCATGGCGCGGTGAAGGTGTT	To clone AmGSTF1 into FoMV	This publication
FoMV_AmGSTF1_R	CTGTTCTAGATTACGCCTTGGGCGGAACCA	To clone AmGSTF1 into FoMV	This publication
FoMV_Basta_F	ACAGGCGGCCGCATGAGCCAGAACGACGCC	for cloning BASTA into FoMV	This publication
FoMV_Basta_R	CTGTTCTAGATTAGATCTCGGTGACGGCAG	for cloning BASTA into FoMV	This publication
qPCR_AmGSTF1_F	CCGAGTACGAGGTGGTGAAC	For qPCR of AmGSTF1	This publication
qPCR_AmGSTF1_R	CGTCCTGGAAAGCAGGGATT	For qPCR of AmGSTF1	This publication
AmPDS_qPCR_F	CAGACATGTCAGTAGCGTGC	For qPCR of AmPDS	This publication
AmPDS_qPCR_R	TTCAGTGTCACTCCGTCCAA	For qPCR of AmPDS	This publication
qPCR_UBQ_F	AGAAGACCTACACCAAGCCC	qPCR Standard Controls	This publication
qPCR_UBQ_R	AGTAGTGGCGGTGGAAGTG	qPCR Standard Controls	This publication
qPCR_UBQ_F	GCAAGAAGAAGACCTACACCAAG	qPCR Standard Controls	Petit et al. 2012
qPCR_UBQ_R	CCTTCTGGTTGTAGACGTAGGTG	qPCR Standard Controls	Petit et al. 2012