



UvA-DARE (Digital Academic Repository)

Transcription Factors Encoded on Core and Accessory Chromosomes of *Fusarium oxysporum* Induce Expression of Effector Genes

van der Does, H.C.; Fokkens, L.; Yang, A.; Schmidt, S.M.; Langereis, L.; Lukasiwicz, J.M.; Hughes, T.R.; Rep, M.

DOI

[10.1371/journal.pgen.1006401](https://doi.org/10.1371/journal.pgen.1006401)

Publication date

2016

Document Version

Other version

Published in

PLOS Genetics

[Link to publication](#)

Citation for published version (APA):

van der Does, H. C., Fokkens, L., Yang, A., Schmidt, S. M., Langereis, L., Lukasiwicz, J. M., Hughes, T. R., & Rep, M. (2016). Transcription Factors Encoded on Core and Accessory Chromosomes of *Fusarium oxysporum* Induce Expression of Effector Genes. *PLOS Genetics*, 12(11), Article e1006401. <https://doi.org/10.1371/journal.pgen.1006401>

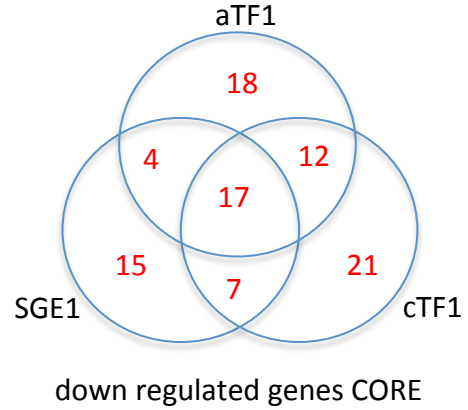
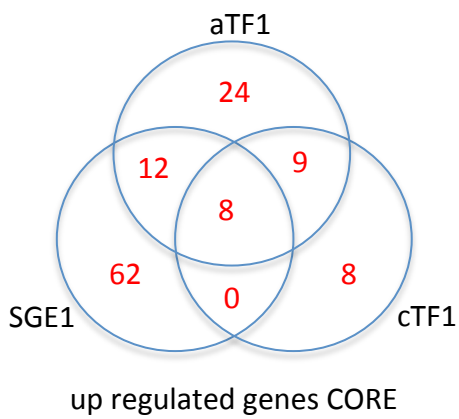
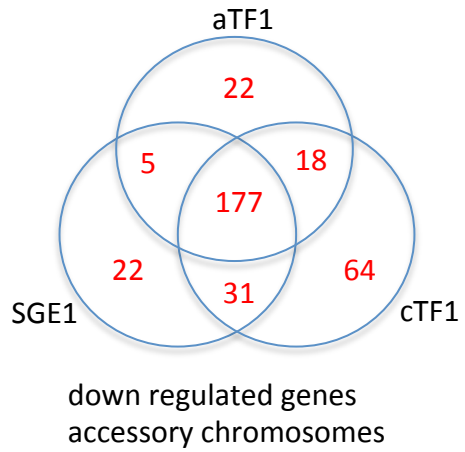
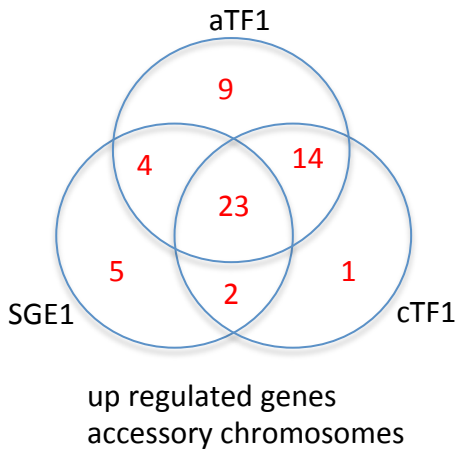
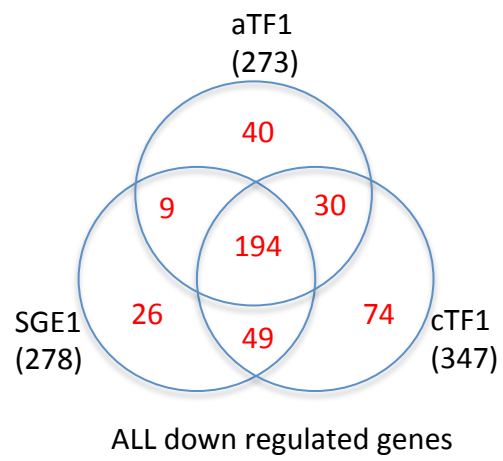
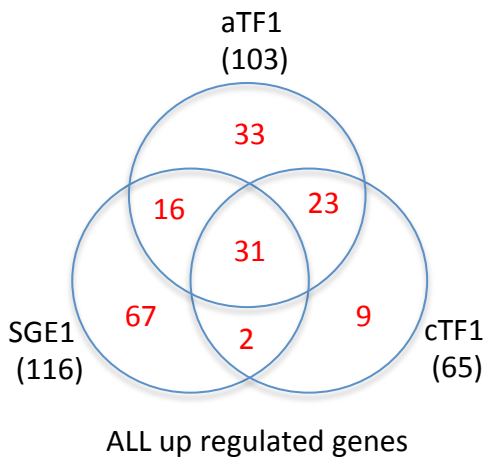
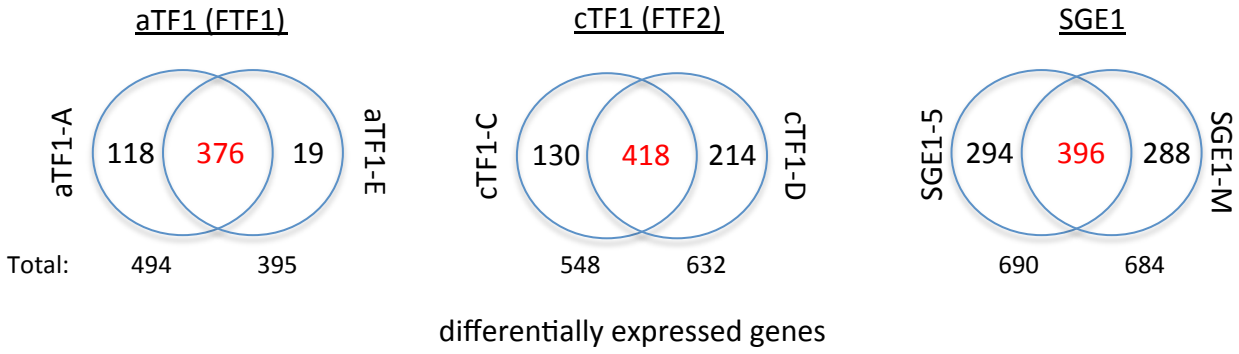
General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (<https://dare.uva.nl>)



SUPP FIG 6A

B

NUMBER OF GENES		whole genome	planta UP	aTF1 UP	cTF1 UP	SGE1 UP	a1c1S1 UP	planta DOWN	aTF1 DOWN	cTF1 DOWN	SGE1 DOWN	a1c1S1 DOWN
LOCATION	all	20934	1412	103	65	116	31	443	273	347	278	194
	core	16176	1129	53	25	82	8	394	51	57	43	17
	pathogenicity chr.	436	81	36	30	29	22	1	10	7	9	5
	other accessory chr.	4322	202	14	10	5	1	48	212	283	226	172
IN PLANTA	<i>in planta</i> UP all	1412	1412	75	50	50	27	0	15	15	19	4
	UP core	1129	1129	25	13	20	nd	nd	nd	nd	nd	nd
	UP pathogenicity chr.	81	81	36	29	29	nd	nd	nd	nd	nd	nd
	UP other accessory chr.	202	202	14	8	1	nd	nd	nd	nd	nd	nd
	<i>in planta</i> DOWN	443	0	2	0	4	0	443	5	6	2	1
XS PROTEINS	SIX genes	18	14	14	14	11	11	0	0	0	0	0
	XS proteins	55	40	24	16	21	13	1	0	0	0	0
	XS proteins w/o SIX proteins	41	26	10	2	10	2	1	0	0	0	0
MIMP	mimp	73	40	27	23	19	17	0	0	0	0	0
	mimp on accessory chr.	69	40	27	23	19	17	0	0	0	0	0
	mimp onpathogenicity chr.	41	30	25	22	19	17	0	0	0	0	0
	mimp on core	4	0	0	0	0	0	0	0	0	0	0
	mimp w/o SIXgenes	55	26	13	9	8	6	0	0	0	0	0
	mimp on path. chr. w/o SIX	28	17	12	9	8	7	0	0	0	0	0

C

NUMBER OF GENES		MIMP	XS PROTEINS
LOCATION	all	73	55
	core	4	36
	pathogenicity chr.	41	16
	other accessory chr.	28	3
IN PLANTA	<i>in planta</i> UP all	40	40
	UP core	nd	nd
	UP pathogenicity chr.	nd	nd
	UP other accessory chr.	nd	nd
	<i>in planta</i> DOWN	0	1
XS PROTEINS	SIX genes	18	14
	XS proteins	16	55
	XS proteins w/o SIX proteins	2	41
MIMP	mimp	73	16
	mimp on accessory chr.	69	16
	mimp onpathogenicity chr.	41	14
	mimp on core	4	0
	mimp w/o SIXgenes	55	2
	mimp on path. chr. w/o SIX	28	1

D

		UP							DOWN						
		aTF1A	aTF1E	cTF1C	cTF1D	SGE1 5	SGE1M	in planta	aTF1A	aTF1E	cTF1C	cTF1D	SGE1 5	SGE1M	in planta
compare to:	ALL genes 20934	129	112	111	165	252	324	1412	366	284	438	467	439	360	443
	accessory 4758	54	51	46	109	93	62	283	291	228	348	334	322	264	49
	TE 3888	37	27	18	50	59	34	212	242	281	308	253	246	192	79
		UP							DOWN						
		aTF1A	aTF1E	cTF1C	cTF1D	SGE1 5	SGE1M	in planta	aTF1A	aTF1E	cTF1C	cTF1D	SGE1 5	SGE1M	in planta
compare to:	accessory 4758	54	51	46	109	93	62	283	291	228	348	334	322	264	49
	TE 3888	37	27	18	50	59	34	212	242	281	308	253	246	192	79

SUPP FIG 6