

Table S1. Genome sequences utilized to determine the distribution of the genes encoding the two FOS transporters

Strain	Accession number	Serotype	FOS transporter
70585	CP000918.1	5	<i>sfu</i>
3063-00	AGQG00000000	19F	<i>fus</i>
4027-06	AGNW00000000	19A	<i>fus</i>
5185-06	AGQE00000000	19A	<i>fus</i>
5787-06	AGOM00000000	19A	<i>fus</i>
670-6B	CP002176.1	6B	<i>fus</i>
6735-05	AGNX00000000	19A	<i>fus</i>
6901-05	AGOF00000000	19A	<i>fus</i>
6963-05	AGON00000000	19A	<i>fus</i>
7286-06	AGOG00000000	19A	<i>fus</i>
AP200	CP002121.1	11A	<i>fus</i>
ATCC 700669	FM211187.1	23F	<i>fus</i>
BS 455	ADHN00000000	NT	<i>fus</i>
BS397	ABWC00000000	NT	<i>fus</i>
BS457	ABWB00000000	NT	<i>fus</i>
BS458	ABWA00000000	NT	<i>fus</i>
CANADA MDR-19A	ACNU00000000	19A	<i>fus</i>
CANADA MDR-19F	ACNV00000000	19F	<i>fus</i>
CCRI1974	ABZC00000000	14	<i>fus</i>
CCRI1974M2	ABZT00000000	14	<i>fus</i>
CDC 0288-04	ABGF00000000	12F	<i>fus</i>
CDC1087-00	ABFT00000000	7F	<i>sfu</i>
CDC1873-00	ABFS00000000	6A	<i>fus</i>
CDC3059-06	ABGG00000000	19A	<i>fus</i>
CGSP14	CP001033.1	14	<i>fus</i>
D39	CP000410.1	2	<i>sfu</i>
EU-NP01	AGQH00000000	19A	<i>fus</i>
G54	CP001015.1	19F	<i>sfu</i>
GA04375	AFAX00000000	19F	<i>fus</i>
GA07228	AGQI00000000	3	<i>fus</i>
GA07643	AGOT00000000	4	<i>fus</i>
GA08780	AGQJ00000000	9V	<i>fus</i>
GA11184	AGNU00000000	19F	<i>fus</i>
GA11304	AGOU00000000	6B	<i>fus</i>
GA11426	AGOV00000000	19A	<i>fus</i>
GA11663	AGOW00000000	19F	<i>fus</i>
GA13338	AGOX00000000	14	<i>fus</i>
GA13455	AGOY00000000	19F	<i>fus</i>
GA13494	AGOZ00000000	14	<i>fus</i>

GA13637	AGPA00000000	18C	<i>fus</i>
GA13856	AGPB00000000	33F	<i>fus</i>
GA14798	AGPC00000000	19F	<i>fus</i>
GA16121	AGPD00000000	19F	<i>fus</i>
GA16242	AGPE00000000	6B	<i>fus</i>
GA16531	AGOE00000000	6B	<i>fus</i>
GA16833	AGPF00000000	19F	<i>fus</i>
GA17227	AGPG00000000	23F	<i>fus</i>
GA17328	AGPH00000000	6A	<i>fus</i>
GA17371	AGPI00000000	19F	<i>fus</i>
GA17545	AFGA00000000	6B	<i>fus</i>
GA17570	AFGB00000000	9V	<i>fus</i>
GA17971	AGPT00000000	6A	<i>sfu</i>
GA18523	AGOO00000000	19A	<i>fus</i>
GA19077	AGPK00000000	6A	<i>fus</i>
GA19451	AGPL00000000	19F	<i>fus</i>
GA19690	AGQK00000000	3	<i>fus</i>
GA41277	AGPM00000000	19A	<i>fus</i>
GA41301	AFGD00000000	23F	<i>fus</i>
GA41317	AFGT00000000	33F	<i>fus</i>
GA41410	AGOJ00000000	19A	<i>fus</i>
GA41437	AGPN00000000	6A	<i>fus</i>
GA41538	AGOL00000000	6B	<i>fus</i>
GA41565	AGPO00000000	19A	<i>fus</i>
GA41688	AGPP00000000	14	<i>fus</i>
GA43265	AGOB00000000	19A	<i>fus</i>
GA43380	AGPQ00000000	19A	<i>sfu</i>
GA44194	AGOP00000000	19A	<i>sfu</i>
GA44288	AGNY00000000	19A	<i>fus</i>
GA44378	AGOQ00000000	23F	<i>fus</i>
GA44452	AGOC00000000	19A	<i>fus</i>
GA44500	AGOI00000000	19A	<i>fus</i>
GA44511	AGOR00000000	19A	<i>fus</i>
GA47033	AGOA00000000	6C	<i>sfu</i>
GA47281	AGNZ00000000	19F	<i>fus</i>
GA47283	AGPR00000000	7F	<i>sfu</i>
GA47360	AGPS00000000	19A	<i>fus</i>
GA47368	AFGS00000000	19A	<i>fus</i>
GA47373	AGPT00000000	19F	<i>fus</i>
GA47388	AGPU00000000	19A	<i>fus</i>
GA47439	AGPV00000000	7F	<i>fus</i>
GA47502	AGNV00000000	19A	<i>sfu</i>
GA47688	AGPW00000000	19A	<i>fus</i>

GA47751	AGQD00000000	19A	<i>fus</i>
GA47778	AGPX00000000	19A	<i>fus</i>
GA47901	AFGR00000000	1	<i>sfu</i>
GA47976	AGPY00000000	19F	<i>fus</i>
GA49138	AGOD00000000	19F	<i>fus</i>
GA49447	AGOK00000000	19A	<i>fus</i>
GA54644	AGQA00000000	19A	<i>fus</i>
HUNGARY 19A-6	CP000936.1	19A	<i>sfu</i>
INV104	FQ312030.1	1	<i>sfu</i>
INV200	FQ312029.1	14	<i>fus</i>
JJA	CP000919.1		<i>fus</i>
MLV-016	ABGH00000000	11A	<i>fus</i>
Netherlands 15B-37	AGQB00000000	15B	<i>fus</i>
NORTH CAROLINA 6A-23	AGQL00000000	6A	<i>fus</i>
NP070	AGOH00000000	23F	<i>sfu</i>
NP112	AGQF00000000	6B	<i>fus</i>
NP127	AGQC00000000	6A	<i>fus</i>
NP170	AGOS00000000	23F	<i>fus</i>
OXC141	FQ312027.1	3	<i>fus</i>
P1031	CP000920.1	1	<i>sfu</i>
PSEUDOPN IS7493	NC_015875		<i>fus</i>
R6	AE007317.1	2	<i>sfu</i>
SP11_BS70	ABAC00000000	11	<i>fus</i>
SP14_BS292	ABWQ00000000	14	<i>fus</i>
SP14_BS69	ABAD00000000	14	<i>fus</i>
SP18_BS74	ABAE00000000	18C	<i>fus</i>
SP19_BS75	ABAF00000000	19F	<i>fus</i>
SP195	ABGE00000000	9V	<i>fus</i>
SP23-BS72	ABAG00000000	23F	<i>sfu</i>
SP3_BS71	AAZZ00000000	3	<i>fus</i>
SP6_BS73	ABAA00000000	6A	<i>fus</i>
SP9_BS68	ABAB00000000	9F	<i>fus</i>
SP-BS293	ABWU00000000	9V	<i>fus</i>
SPN032672	FQ312039.1	1	<i>sfu</i>
SPN033038	FQ312042.1	1	<i>sfu</i>
SPN034156	FQ312045.1	3	<i>fus</i>
SPN034183	FQ312043.1	3	<i>fus</i>
SPN994038	FQ312041.1	3	<i>fus</i>
SPN994039	FQ312044.1	3	<i>fus</i>
TCH8431/19A	CP001993.1	19A	<i>fus</i>
Tiawan19F-14	CP000921.1	19F	<i>fus</i>
TIGR4	AAGY00000000	4	<i>fus</i>
