

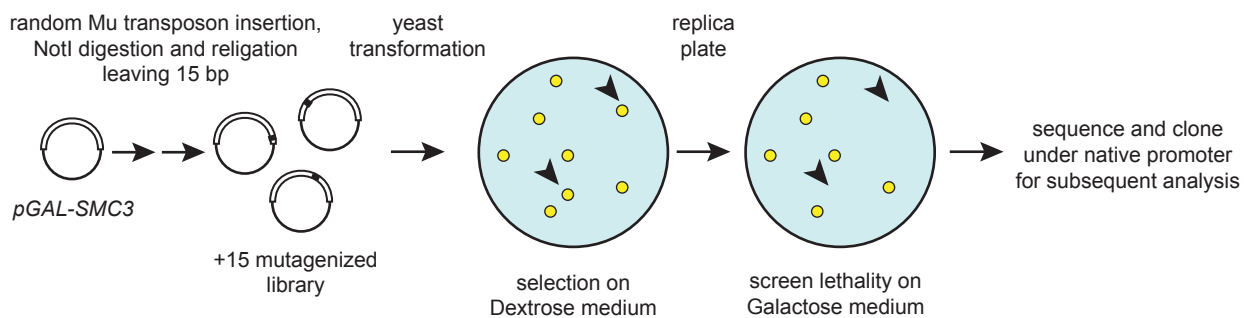
Supplemental Materials

Molecular Biology of the Cell

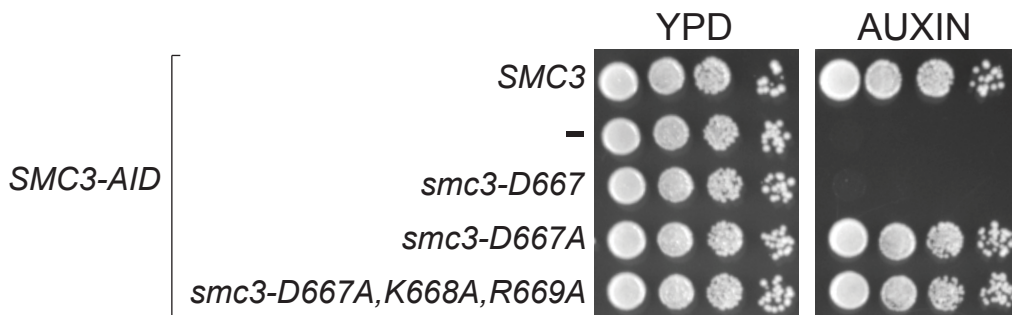
Robison et al.

Supplementary Figure 1

A

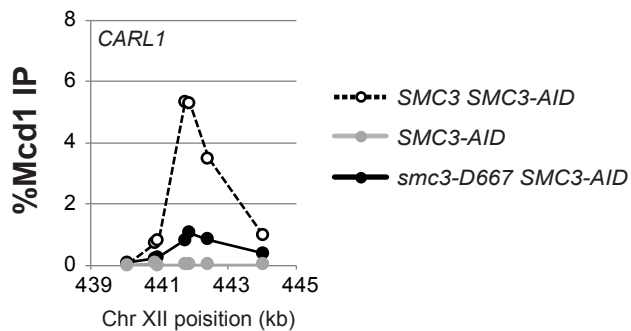


B

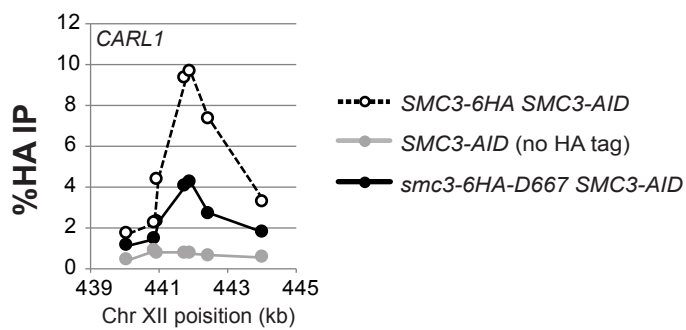


Supplementary Figure 2

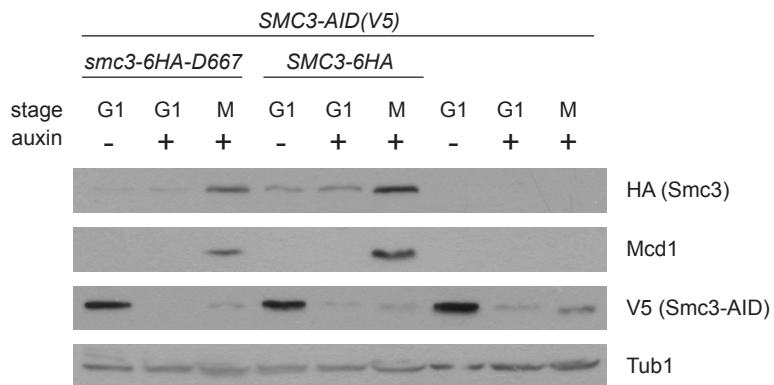
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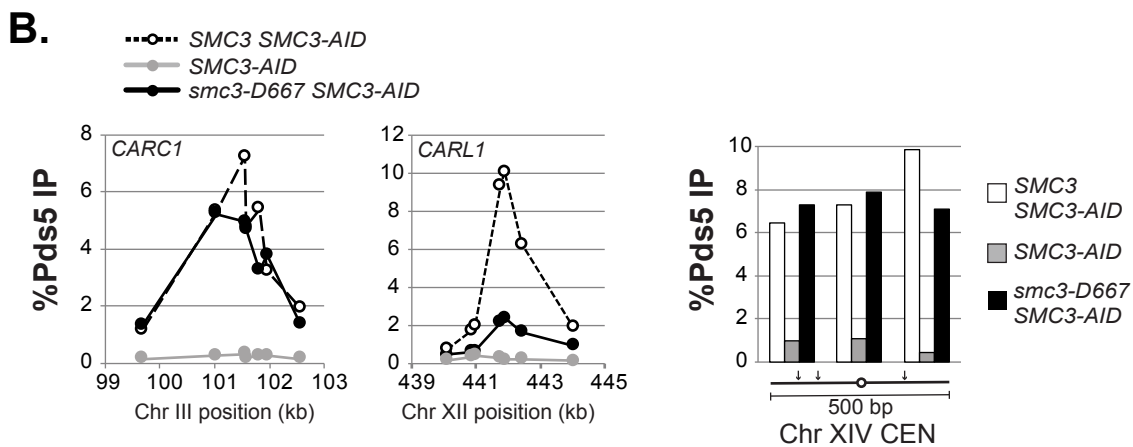
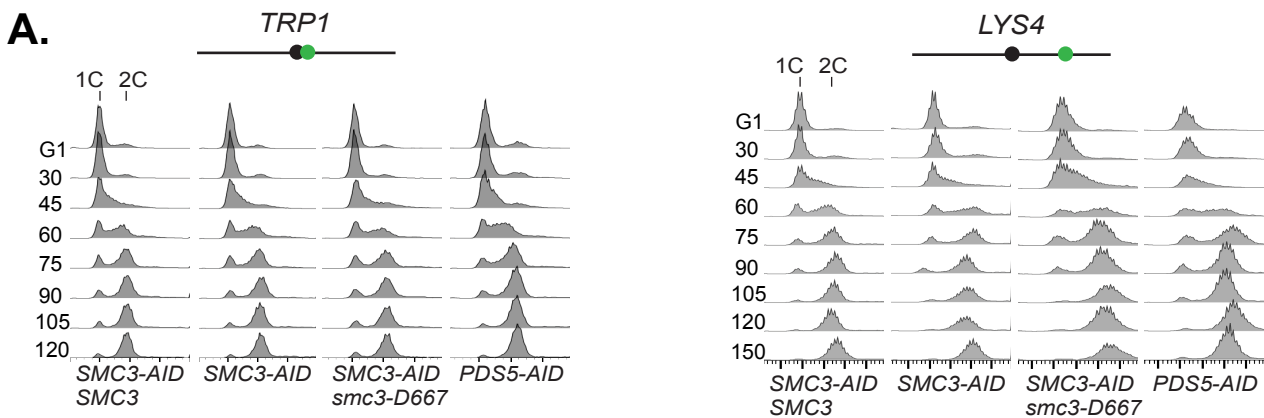
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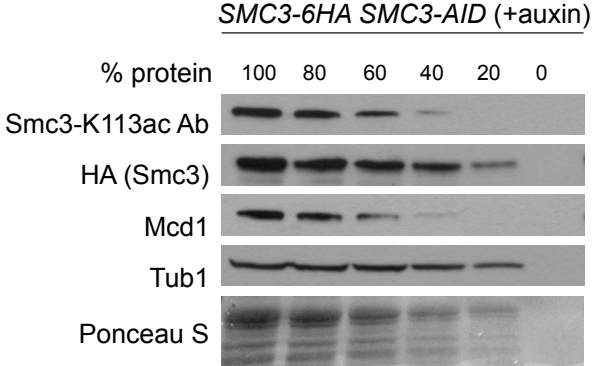
Supplementary Figure 3



Supplementary Figure 4

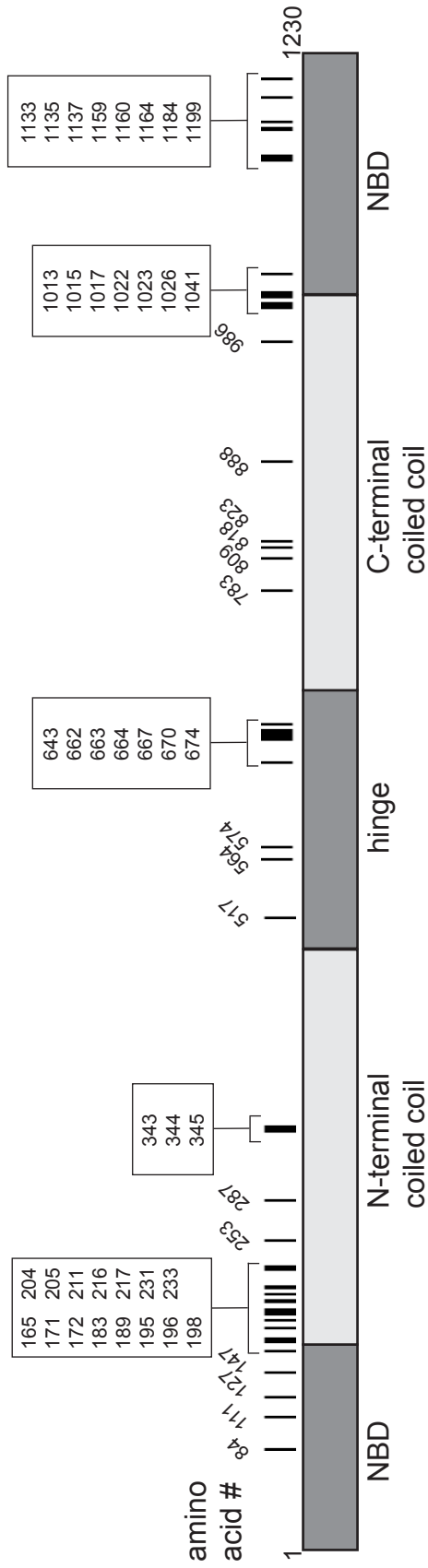


Supplementary Figure 5



Supplementary Figure 6

Smc3 RID positions



Supplementary Table 1

Location	Insertion	Viability 5-FOA 23°C
D84	CGRND	Not Tested (NT)
D127	AAAGD	-
P147	LRPQP	-
L165	RPQQL	+
G171	AAAAG	-
N204	AAALN	-
Y253	NAAAY	+
S343	IAAAS	-
N517	RPQAN	+
D643	CGRKD	+
K1023	VRPHK	-
Y1164	CGRKY	NT

Supplementary Table 2

Location	Insertion	Viability on 5-FOA 23°C
L111	NAAAL	-
G171	CGRIG	-
A172	AAVGA	-
L183	MRPQL	-
L183	RPHSL	Not Tested (NT)
T189	DAAAT	-
Q195	IAAAQ	-
I196	AAAQI	-
K198	DAAAK	-
S205	AALNS	-
E211	AAAME	-
E216	FAAAE	-
L217	DAAAL	-
L217	VRPQL	NT
Q231	CGRNQ	-
T233	AAAFT	-
L287	RPHSL	+
I345	AAAIL	-
Q347	MRPQQ	-
Q347	SAAAQ	NT
H564	CGRIH	+
T574	AAAAT	-
D662	AAALD	NT
G663	AAADG	NT
D664	AAAGD	-
D667	AAAAD	-
G670	AAARD	NT
G670	CGRRG	-
G674	CGRTG	+
N783	AAALN	+
T809	MRPQT	+
K818	CGRNK	+
S823	VRPQS	+
V888	FAAAV	-
T986	DAAAT	+
A1013	DAAAA	-
R1015	VRPQR	-
S1017	VRPHS	-
S1022	NAAAS	-
K1023	CGRTK	NT
I1026	HAAAI	NT
V1041	AAAIV	-
V1133	RPQTV	NT
A1135	RPQCA	-
A1137	AAAIA	NT
A1159	CGRTA	NT
L1160	RPHAL	NT
T1184	MRPHT	-
R1199	VRPHR	-