

Table 3. In vivo properties of Swi3 SWIRM domain mutants

SSW no.	Mutation	Raf °C	Gal °C	Glyc °C	Ino °C	HU °C	Protein made	Assembled into Swi/Snf
	WT	None	None	None	None	None	Yes	Yes
	empty vector	23°C	23°C	23°C	23°C	23°C	no	no
	SWIRM deletion	23°C	23°C	23°C	23°C	23°C	Yes	Yes
SSW2	E329A, F330A, F331A	23°C	23°C	23°C	23°C	23°C	Yes	Yes
SSW4	D374A	23°C	33°C	35°C	30°C	23°C	Yes	Yes
SSW6	E317A	None	None	None	None	ND	ND	ND
SSW7	E323A	23°C	23°C	23°C	23°C	23°C	Yes	Yes
SSW8	Y346A	None	None	None	None	ND	ND	ND
SSW9	R347A	23°C	30°C	23°C	23°C	23°C	Yes	Yes
SSW10	N348A	23°C	None	None	None	ND	ND	ND
SSW12	L378A	33°C	None	None	None	ND	ND	ND
SSW13	L381A	23°C	None	None	None	ND	ND	ND
SSW14	L385A	23°C	None	None	None	ND	ND	ND
SSW15	W388A	23°C	None	None	None	ND	ND	ND
SSW16	L390A	23°C	None	None	None	ND	ND	ND
SSW18	W313A	23°C	None	None	35°C	ND	Yes	Yes
SSW19	E329A	23°C	33°C	35°C	33°C	ND	Yes	Yes
SSW20	N357A	None	None	None	None	ND	Yes	Yes
SSW21	Y361A	None	None	None	None	ND	Yes	Yes
SSW22	S363A	None	None	None	None	ND	Yes	Yes
SSW23	N392A	23°C	33°C	33°C	33°C	30°C	Yes	Yes
SSW24	Y393A	None	None	None	None	ND	Yes	Yes
SSW25	Y310A	None	None	None	None	ND	ND	ND
SSW26	N315A, K318D	None	None	None	None	ND	Yes	Yes
SSW27	N333A, R334E	23°C	None	None	35°C	ND	Yes	Yes
SSW28	S337A	23°C	None	None	None	ND	Yes	Yes
SSW29	N359A, E360K	23°C	None	None	None	ND	Yes	Yes
SSW31	K383D	None	None	None	None	ND	Yes	Yes
SSW32	K387D	None	None	None	None	ND	Yes	Yes
SSW33	W313A, W388A	23°C	33°C	33°C	33°C	30°C	Yes	Yes
SSW34	K383D, K387D	23°C	None	None	35°C	30°C	Yes	Yes

Media: Raf, YP+2% raffinose; Gal, YP+2% galactose; Glyc, YP+2% glycerol; Ino, SC lacking inositol; HU, YP+150mM hydroxyurea (YP, yeast peptone media; SC, synthetic complete media). For phenotypes, the temperature listed is the lowest temperature at which slow growth was detected. None; no detectable phenotype at any temperature; ND, not determined.