

Supplemental Materials

Molecular Biology of the Cell

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Table SI: Residues in the Sec61 complex that mediate contacts with the STT3A complex via DC2 in the mammalian ER, and with Sec63p in the yeast Sec complex.

Sec61 α	Sec61 β	Sec61 γ	DC2	Sec61p	Sbh1p	Sss1p	Sec63
K29			F118	N30			W242
L33			L121	I34			W242
	S96		G67	K80			-
		F53	F92	A67			-
		L56	F92	L70			L210 & F17
		P60	M85	P74			V215 & L210
		N63	P71	Y77			Y7 & V215
		G67	R70	-			

Residues in Sec61p, Sbh1p and Sss1p were identified by sequence alignment. Due to a shorter protein sequence for Sss1p, G67 in Sec61 γ does not align with a Sss1p residue (NAR). Sec61p residue A67 and Sbh1p residue K80 do not contact Sec63p.