

Table 3

Maximal translation rate for the first cycles of elongation analysed from the time dependence of short peptides and from TCA-precipitable chains (Figs 7, 8)

Ribosome	Sm	$k_{\text{cat}}(\text{s}^{-1})$ (short peptides)	$k_{\text{cat}}(\text{s}^{-1})$ (TCA-precipitable chains)
Wild-type	—	22	11
	+	—	—
SmR	—	16	11
	+	—	—
SmP	—	11	10
	+	11	10
SmD	—	3.0	3.5
	+	10	9