

Supplementary Table 1 Effect of buffer composition on the rate of SRL cleavage by restrictocin under sub-saturating conditions.

Component added	k_{obs} ($\text{s}^{-1} \cdot 10^{-3}$)
-	6.84
200 mM NaCl	0.028
200 mM KCl	0.031
40 mM EDTA(K)	0.114
40 mM Tris·HCl	1.67

Observed rate constants for restrictocin-catalyzed SRL cleavage were measured in buffer containing 10 mM Tris·HCl (pH 7.6), 50 mM KCl, 10 mM EDTA. Reactions contained < 1nM ³²P-labeled SRL and 1 μM restrictocin. A 5-fold excess of the buffer components relative to the standard buffer composition has been tested sequentially.