

**Table II: Parameters Defining Rate of Open Complex Formation and Rate of Transient Inactivation at *lac* UV5 (Linear) Promoter at Different Temperatures<sup>a</sup>**

temp (°C)	$K_B$ ( $\mu\text{M}^{-1}$ )	$k_f$ ( $\text{s}^{-1}$ )	$\beta$ ( $\text{s}^{-1}$ )	$f$
42	>250	0.11		
37	160	0.09		
30	60	0.07		0.86*
25	45	0.035	0.07	0.65–0.70*
19	35	0.012	0.017	0.28
15			0.008	0.10
14			0.008	0.12*, 0.15
10			0.005	

<sup>a</sup>  $K_B$  and  $k_f$  were obtained from TAU plots (cf. Figure 7); kinetics of the burst yield  $\beta$  and  $f_e$  are explained under Materials and Methods. In the last column,  $f$  refers either to measures of  $f_e$ , obtained in the burst assay, or to the ratio  $f^*$  between specific activities measured on linear vs. supercoiled templates (these last determinations are labeled with an asterisk). Other measurements of  $f$  are given in Figure 5.