

Table 1. Translational diffusion coefficients (in units of $10^{-7} \text{ cm}^2 \text{ s}^{-1}$) simulated for bead models of tRNA^{Phe} structures (cf. Fig. 1 and text) with two different values of the bead radius. The Δ -values are the changes of D_t relative to the D_t -value of model A in %-units. The models A to F correspond to those shown in Fig. 1; model G corresponds so that shown in Fig. 1 E, but without the terminal bead representing the amino acid

Model	Bead radius			
	6.4 Å		10.4 Å	
	D_t	Δ [%]	D_t	Δ [%]
A	8.22	0.0	7.06	0.0
B	7.99	2.80	6.87	2.69
C	7.56	8.03	6.51	7.79
D	6.70	18.5	5.84	17.3
E	7.95	3.28	6.84	3.12
F	7.65	6.93	6.61	6.37
G	–	–	7.03	0.42