

TABLE I. DB protein diffusion properties on elongated DNA.

Protein	$r_{\text{protein}}$ (nm)	$\delta$ (Å)	$D$ (nm <sup>2</sup> /s)
YFP-LacI, 2 <sup>a</sup>	3.13	0.284	$4.6 \times 10^4$ [12]
GFP-LacI	2.68	0.267	$2.3 \times 10^2 - 1.3 \times 10^5$ [3]
EcoRV, 2	2.66	0.262	$0.9 - 2.5 \times 10^4$ [15]
EcoRV <sup>b</sup>			$3.1 \times 10^3$ [19]
RNAP, 4 <sup>b</sup>			$6.1 \times 10^3 - 4.3 \times 10^5$ [13]
RNAP <sup>b</sup>			$1.3 \times 10^5$ [29], $\sim 10^4$ [9]
hOgg1	2.36	0.247	$5.78 \times 10^5$ [10]
p53	2.34	0.246	$3.01 \times 10^5$ [17]
UL42	2.63	0.261	$5.1 \times 10^3 - 2.2 \times 10^4$ [16]
T7 gp5, 2	2.86	0.272	$8.0 \times 10^5 - 1.86 \times 10^6$ [21]
T7 gp5, 2	3.00	0.278	$4.0 \times 10^5$ [21]
C-Ada	1.77	0.214	$1.3 \times 10^6$ [20]

<sup>a</sup>The number 2 indicates a dimer, and 4 indicates a tetramer.

<sup>b</sup>Unknown molecular size due to unspecified/uncertain protein components and/or labels.

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