

Supplemental Table S4. Results obtained from time-resolved fluorescence life-time analysis of the damage probes and their binding to UvrAB

Oligo	UvrA	UvrB	Time-resolved $\langle \tau \rangle$ (ns)	P (Steady state)
TMR-ds90mer	-	-	2.033	N/A
TMR-BP-ds90mer	-	-	2.044	0.239
TMR-BP-ds90mer	<i>E.coli</i>	-	2.062	0.237
TMR-BP-ds90mer	<i>E.coli</i>	<i>E.coli</i>	2.212	0.360
TMR-BP-ds90mer	<i>E.coli</i>	<i>B.caldotenax</i>	2.451	0.384
TMR-BP-ds90mer	<i>B.caldotenax</i>	-	2.036	0.237
TMR-BP-ds90mer	<i>B.caldotenax</i>	<i>B.caldotenax</i>	2.044	0.235