

Supplementary material for:

Reversible Optical Control of F₁F_o-ATP Synthase Using Photoswitchable Inhibitors

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Supplementary figures

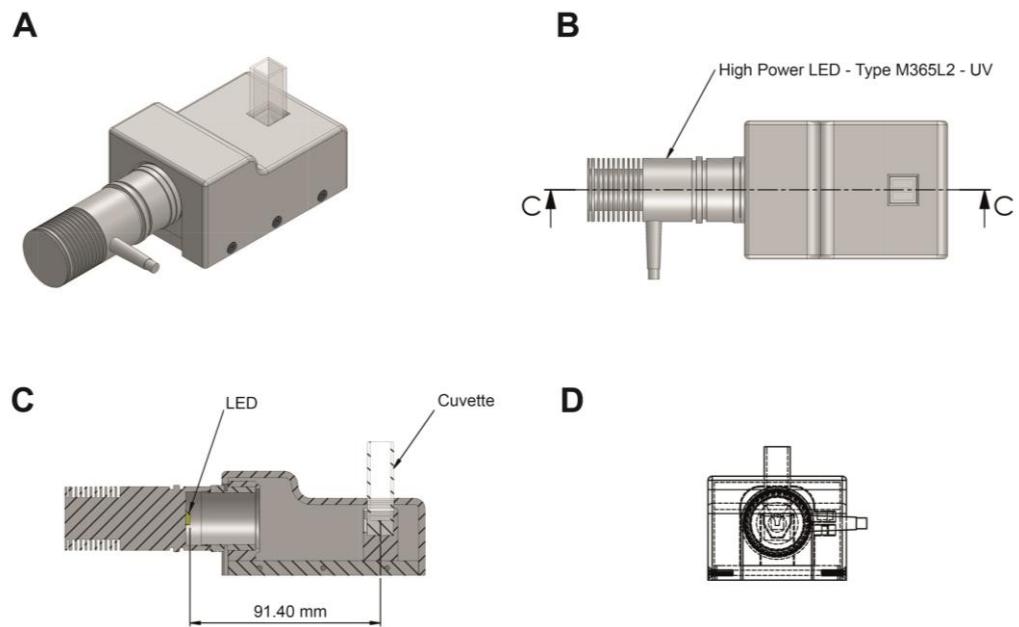


Fig. S1.

	<u>α</u>
<i>B. taurus</i>	285 LRRPP <u>GREAYPGDVF</u>
<i>Y. lipolytica</i>	311 LRRPP <u>GREAYPGDVF</u>
<i>E. coli</i>	276 LRRPP <u>GREAYPGDVF</u>
	<u>β</u>
<i>B. taurus</i>	272 LGRIPS <u>SAVGYQPTLA</u>
<i>Y. lipolytica</i>	303 LGRIPS <u>SAVGYQPTLA</u>
<i>E. coli</i>	258 LGRMPS <u>SAVGYQPTLA</u>
	<u>γ</u>
<i>B. taurus</i>	252 RTRQ <u>AVITKELIEIIISGA</u>
<i>Y. lipolytica</i>	272 RTRQ <u>AVITNELVDIITGA</u>
<i>E. coli</i>	266 KARQ <u>ASITQELTEIVSGA</u>

Fig. S2

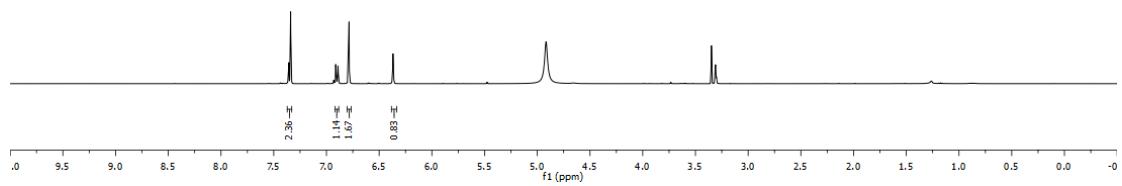


Fig. S3

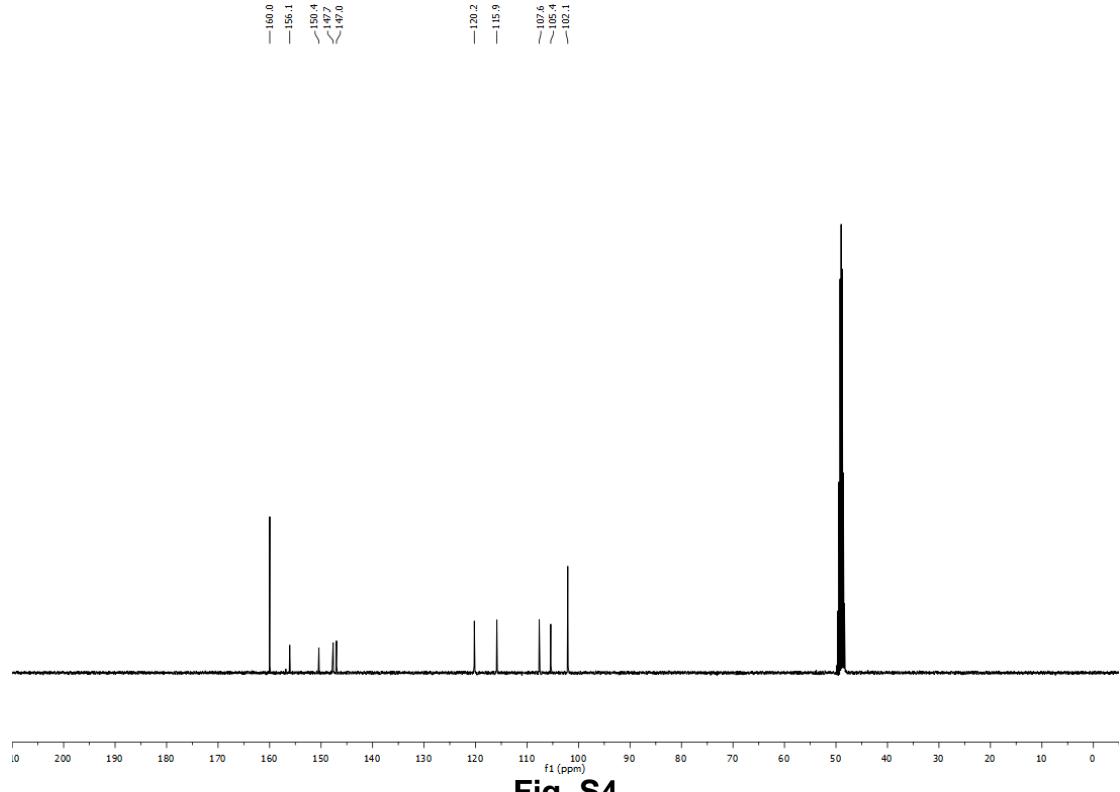


Fig. S4

Supplementary Tables

Table S1.

irradiation time [min]	ATP hydrolysis activities							
	PIAS-1		PIAS-2		PIAS-3		PIAS-4	
	%	U/mg	%	U/mg	%	U/mg	%	U/mg
0	50.6 ± 10.8	3.5 ± 0.4	56.8 ± 11.2	4 ± 0.4	65.1 ± 3.8	4.6 ± 0.2	8.8 ± 1.6	0.6
1	73.5 ± 10.3	5.1 ± 0.5	80.0 ± 4.5	5.6 ± 0.3	88.5 ± 17.3	6.2 ± 1.1	18.3 ± 2.5	1.3
4	97.7 ± 10.9	6.8 ± 0.7	114.3 ± 8.1	8 ± 0.6	101.1 ± 14.6	7.1 ± 1.0	29.8 ± 4.1	2.1 ± 0.1