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Blue light-activated homodimerization domains (LOV domains)

Modified Table S1 of Grusch *et al.* (2014) EMBO J.

Name	Estimated K_D (μM)	Estimated excited state lifetime (s)[1]	Reference
AtPH1-LOV2	Dark: <25 Light: <25	~40	[1-4]
AtPH2-LOV2	Dark: <25 Light: <25	~7	[1, 2, 4]
CrPH-LOV1	Dark: <55 Light: <55	~200[2]	[5]
NcVV-LOV	Dark: <5 Light: <0.5	>10'000	[6-8]
NcWC1-LOV	?	?	[9]
RsLP-LOV[3]	Dark: <130 Light: ~130	~2350	[10]
VfAU1-LOV	Dark: >300 Light: <100	WT: 480 I28V (I472V): 60	[11-13]
PtAU1a-LOV	Dark: >4000 Light: <200	2300 & 320	[14]

[1] Where necessary, published half life values ($t_{1/2}$) were converted to lifetimes ($\tau=t_{1/2}/\ln(2)$) assuming a first order reaction.
[2] A triple exponential decay with lifetimes ranging from 20 to 800 s was observed.
[3] Dimer in the dark, monomer in the light.
Experiments where performed at 20°C or RT.

References (including full names of the domains):

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