

Supplemental Table 1**Quantitative analysis of WT H1⁰ versus WT H1c and their domain swap mutants with fluorescent proteins fused to their N-terminus.**

Construct	t_{50} (sec) ^a		t_{50} Ratio	<i>P</i> value ^b
	ChFP	GFP	GFP/ChFP	
ChFP-0/ GFP-0	28.9 ± 1.3 (0.05)	29.8 ± 1.4 (0.05)	1.03 ± 0.004 (0.004)	0.3020
ChFP-0/ GFP-C	27.8 ± 5.8 (0.2)	19.2 ± 4.7 (0.25)	0.69 ± 0.20 (0.14)	0.0007
ChFP-0/ GFP-00C	28.8 ± 4.9 (0.17)	29.6 ± 5.4 (0.18)	1.02 ± 0.06 (0.06)	0.2637
ChFP-0/ GFP-CC0	29.5 ± 7.1 (0.24)	19.9 ± 5.7 (0.29)	0.67 ± 0.08 (0.12)	0.0014
ChFP-0/ GFP-0CC	27.9 ± 3.6 (0.13)	27.2 ± 2.9 (0.10)	0.97 ± 0.06 (0.06)	0.3796
ChFP-0/ GFP-C00	29.7 ± 4.5 (0.15)	21.5 ± 4.6 (0.21)	0.71 ± 0.06 (0.08)	0.0001

^a Values for t_{50} were determined as previously described (35). Values are the mean ± S.D. from at least 8 independent measurements. Values in parentheses denote the calculated coefficient of variation.

^b H1-GFP versus H1-ChFP. Paired Student's *t*-test for H1-GFP