

Table 1. Liquid culture fluorescence data of the GFP insertion constructs expressing four test proteins with progressively decreasing solubility at 37°C.

		Test protein ^a			
		#1	#2	#3	#4
Fraction soluble ^d		1.00	0.70	0.50	0.00
Topology ^c	Scaffolding ^b	Normalized fluorescence ^e			
C-terminal	FR	8230	5800	435	110
C-terminal	SF	12425	12330	5580	1975
9/8 insertion	FR/FR	840	300	30	30
	SF/FR	1140	645	80	60
	FR/SF	2200	1775	430	180
	SF/SF	2575	1700	930	290
8/7 insertion	FR/FR	470	330	35	20
	SF/FR	2640	1800	105	90
	FR/SF	4550	3635	640	225
	SF/SF	3685	3700	2060	415

^aProtein #1 sulfite reductase (dissimilatory subunit); protein #2 (translation initiation factor), protein #3 (3-hexulose 6-phosphate synthase), and protein #4 (polysulfide reductase subunit).

^bType of GFP domain used in reporter, SF = superfolder GFP, FR = folding reporter GFP.

^cScaffolding topology of GFP folding reporter.

^dFraction of non-fusion protein soluble expressed in *E. coli* at 37°C, as determined by SDS-PAGE.

^eThe measured fluorescence (488 nm excitation, 520 nm emission) normalized by dividing by the optical density at 600 nm.

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