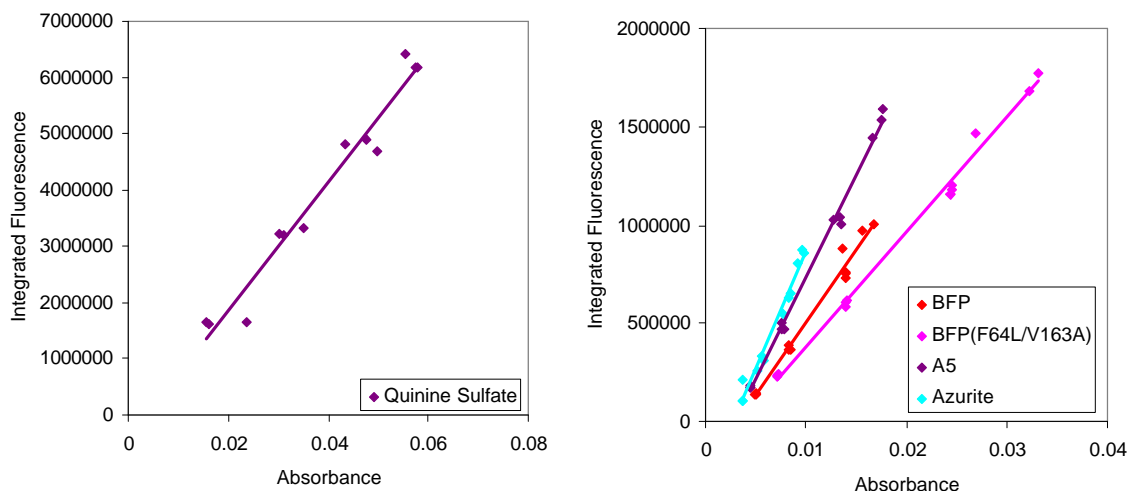
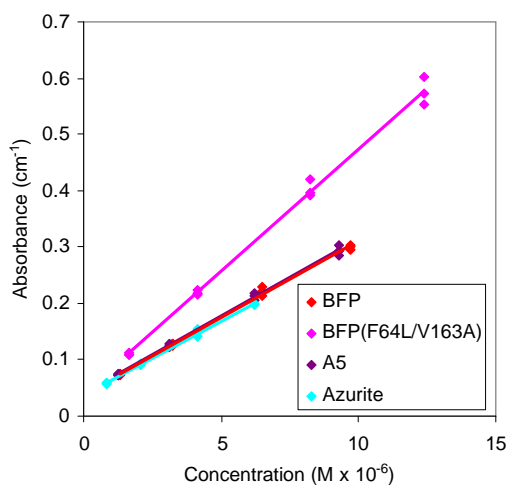


Supplementary Figure 2. Photophysical characterization of BFP variants

Quantum yield vs. quinine sulfate standard



Extinction coefficient



Sample	QY Slope	QY	EC
Quinine Sulfate	113,978,776	0.53 ¹	n/a
BFP	73,957,467	0.34	27,100
BFP(F64L/V163A)	58,370,428	0.27	43,500
A5	104,180,124	0.48	27,400
Azurite	118,817,932	0.55	26,200

1. Lakowicz, J.R. Principles of Fluorescence Spectroscopy, Edn. 2. (Kluwer Academic/Plenum Publishers, New York; 1999).