

Supporting Information for:

Activity-Based Protein Profiling of Protein Arginine Methyltransferase 1[†]

Obiamaka Obianyo^{1,2}, Corey P. Causey², Justin E. Jones¹, and Paul R. Thompson^{1*}

¹Department of Chemistry, The Scripps Research Institute, 130 Scripps Way, Jupiter, FL 33458

²Department of Chemistry and Biochemistry, University of South Carolina, 631 Sumter St,
Columbia, SC 29208

Running Title: ABPPs targeting PRMT1

[†] This work was supported in part by the University Of South Carolina Research Foundation (P.R.T), The Scripps Research Institute, and, in part, by NIH grant GM079357 to PRT.

* To whom correspondence should be addressed: Department of Chemistry, The Scripps Research Institute, 130 Scripps Way, Jupiter, Fl, 33458 tel: (561)-228-2860; fax: (561)-228-2918; e-mail: Pthompso@scripps.edu.

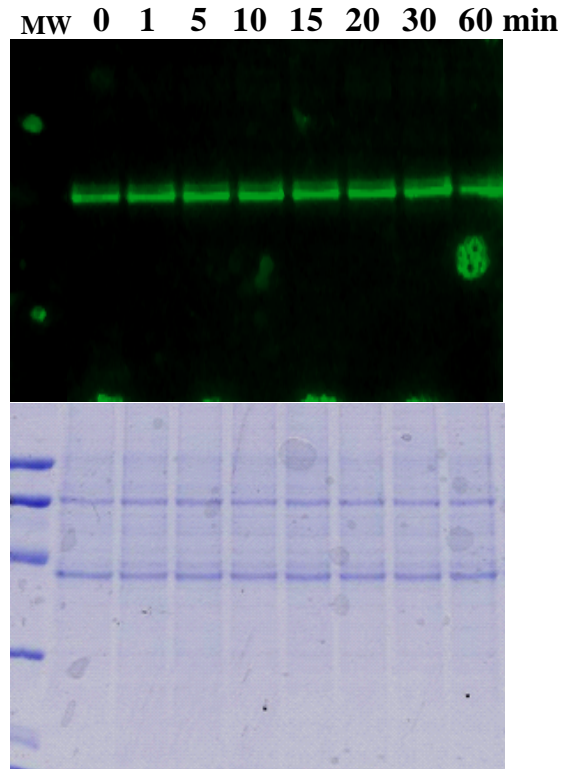


Figure S1. *Stability of PRMT1-F-C21 complex.* Recombinant PRMT1 (12 μ M) was pre-labeled with F-C21 (12 μ M) for 30 min at 37 $^{\circ}$ C. The labeled enzyme (2 μ M final) was then added to 100 μ g of MCF-7 whole cell extracts and incubated at 37 $^{\circ}$ C for the indicated times before being quenched with 6X SDS dye.