

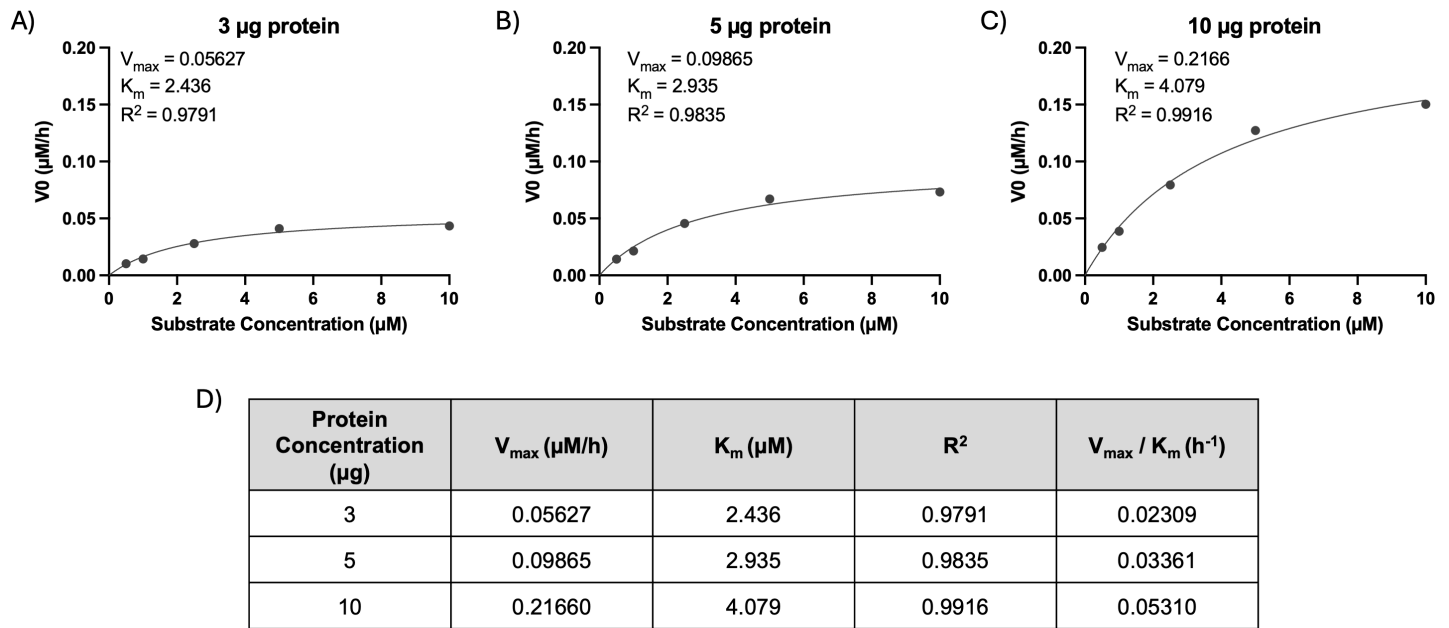


Figure S2. Kinetics analysis of Rbm14-12 hydrolysis using 0, 0.5, 1, 2, 3, and 4-hour substrate incubation periods. (A) Kinetics of Rbm14-12 hydrolysis with 3 µg protein. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.05627$ µM/h, $K_m = 2.436$ µM, and $R^2 = 0.9791$. (B) Kinetics of Rbm14-12 hydrolysis with 5 µg protein. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.09865$ µM/h, $K_m = 2.935$ µM, and $R^2 = 0.9835$. (C) Kinetics of Rbm14-12 hydrolysis with 10 µg. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.2166$ µM/h, $K_m = 4.079$ µM, and $R^2 = 0.9916$. (D) Non-linear regression (Michaelis-Menten) parameters and $V_{\max}/K_m$ ratio for various protein lysate concentrations.