

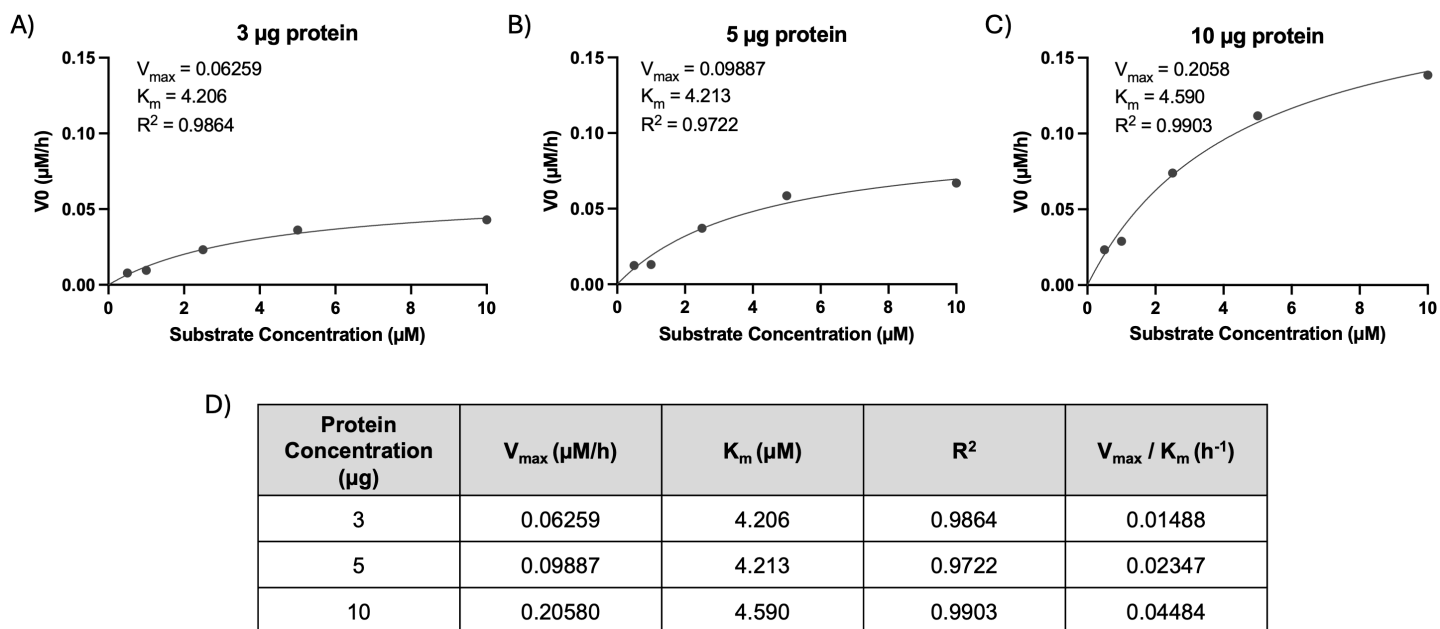


Figure S1. Kinetics analysis of Rbm14-12 hydrolysis using 0, 0.5, 1, 2, and 3-hour substrate incubation periods. (A) Kinetics of Rbm14-12 hydrolysis with 3 μg protein. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.06259 \mu\text{M/h}$, $K_m = 4.206 \mu\text{M}$, and $R^2 = 0.9864$. (B) Kinetics of Rbm14-12 hydrolysis with 5 μg protein. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.09887 \mu\text{M/h}$, $K_m = 4.213 \mu\text{M}$, and $R^2 = 0.9722$. (C) Kinetics of Rbm14-12 hydrolysis with 10 μg protein. The non-linear regression (Michaelis-Menten) parameters were $V_{\max} = 0.2058 \mu\text{M/h}$, $K_m = 4.590 \mu\text{M}$, and $R^2 = 0.9903$. (D) Non-linear regression (Michaelis-Menten) parameters and $V_{\max}/K_m$ ratio for various protein lysate concentrations.