



**Fig. S2** - Pseudo-Michaelis-Menten kinetic analysis of hLYS lytic rates towards Gram-positive *M. luteus* bacteria in the presence of the specified concentration of Tet009 AMP. All reactions were evaluated in triplicate and shown are the means and standard deviation of the initial rate at each bacterial substrate concentration. The best fit hyperbola for each data set is shown, and  $V_{max}$  values from the regressions are provided in Fig. 3.