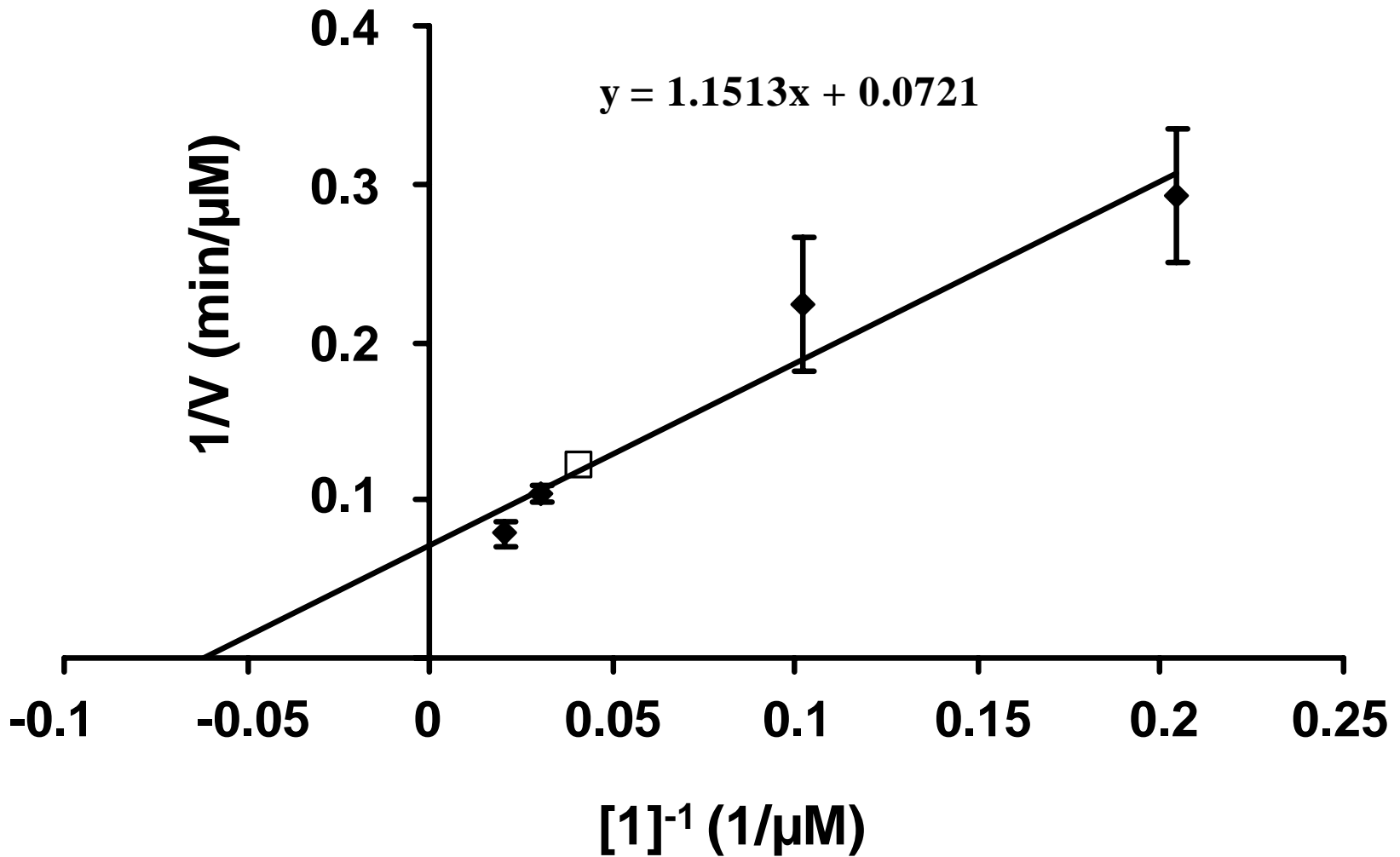
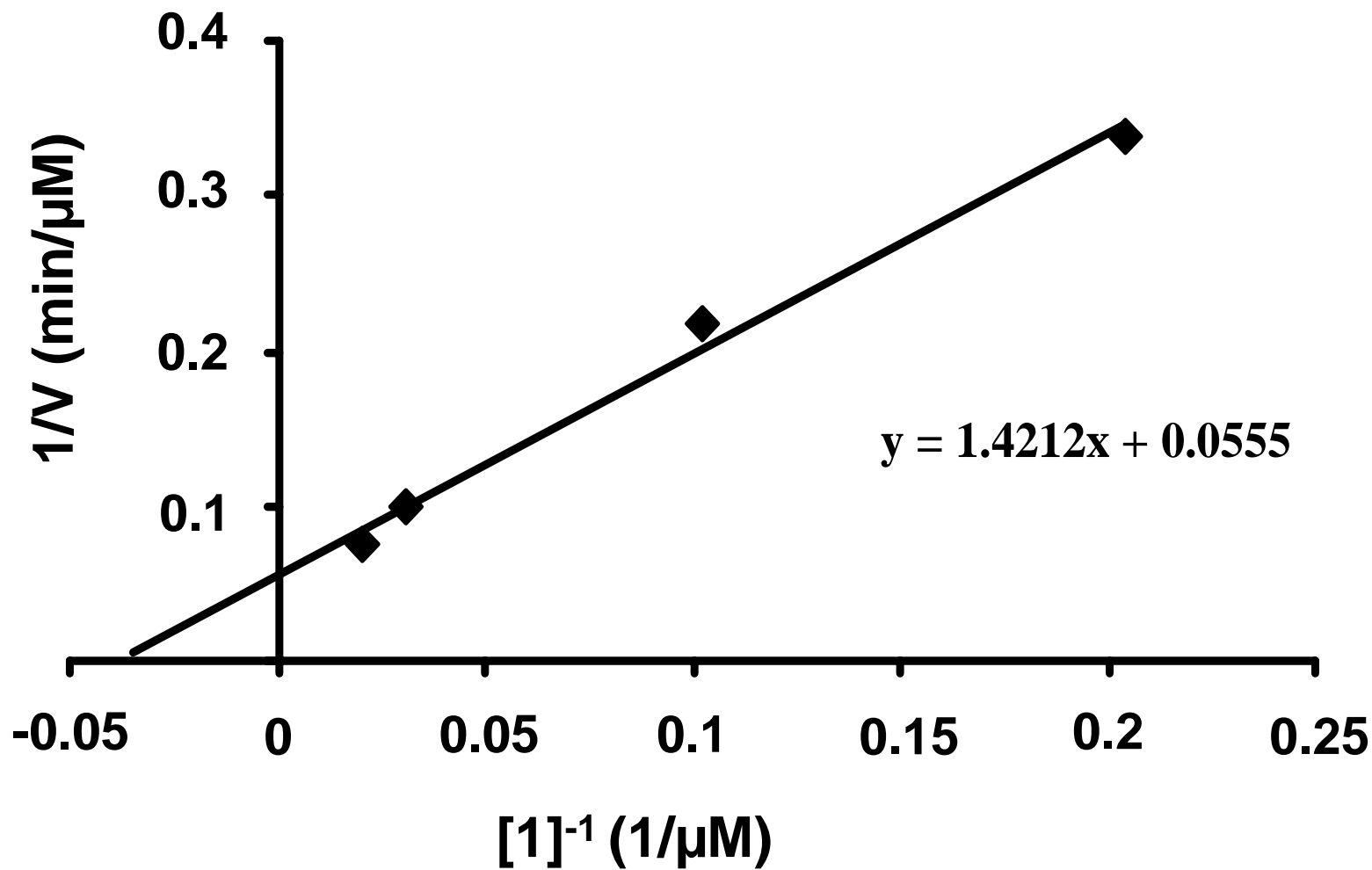


# Supporting Information

S 1. Means of the three experiments (data are n=3, except for open square: n=1; concentrations of **1** used were between 4.9 and 49  $\mu\text{M}$ ). The concentration of the enzyme (HP-TrxR) was 460 nM



S 2. One of the three experiments shown in S 1.



Calculation according to S 1

( $K_m$  and  $V_{max}$  from means of all single data points)

	$K_m/V_{max}$	1,1513
	$1/V_{max}$ (at $x=0$ )	0,0721
	$(-)\frac{1}{K_m}$ (at $y=0$ )	-0,062625
	$K_m$ ( $\mu\text{M}$ )	15,97
	$V_{max}$ ( $\mu\text{M}/\text{min}$ )	13,87

Calculation according to S 2: (Reported in the main text)

(means of all single Km and Vmax values:)

<b>Km (<math>\mu\text{M}</math>)</b>	<b>means</b>	<b>SD</b>
13,82	17,52	5,72
13,14		
25,61		
<b>Vmax (<math>\mu\text{M}/\text{min}</math>)</b>	<b>means</b>	<b>SD</b>
14,58	14,78	2,57
11,73		
18,02		