

	Oxaloacetate				Pyruvate			
	k_{cat} (sec ⁻¹)	K_M (μM)	K_i (mM)	k_{cat}/K_M (sec ⁻¹ M ⁻¹)	k_{cat} (sec ⁻¹)	K_M (μM)	K_i (mM)	k_{cat}/K_M (sec ⁻¹ M ⁻¹)
AncMDH2*	14 ± 0.8	0.82 ± 0.32	0.35 ± 0.07	1.8 ± 0.6 ×10 ⁷	0.03 ± 0.001	16000 ± 2300	-	1.9 ± 0.2 ×10 ⁰
AncMDH2*-INS	180 ± 20	83 ± 12	0.15 ± 0.02	2.2 ± 0.1 ×10 ⁶	74 ± 5	4000 ± 380	5.2 ± 0.6	1.9 ± 0.1 ×10 ⁴
AncMDH2*-58Mut-R102K	14 ± 0.3	3000 ± 300	-	4.8 ± 0.4 ×10 ³	0.03 ± 0.002	5300 ± 750	144 ± 59	6.5 ± 0.5 ×10 ⁰
AncLDH*	1.4 ± 0.1	31000 ± 7800	-	4.5 ± 0.7 ×10 ¹	63 ± 4	94 ± 23	20 ± 6.5	6.7 ± 1.6 ×10 ⁵