

	Oxaloacetate				Pyruvate			
	k_{cat} (sec ⁻¹)	K_M (μ M)	K_i (mM)	k_{cat}/K_M (sec ⁻¹ M ⁻¹)	k_{cat} (sec ⁻¹)	K_M (μ M)	K_i (mM)	k_{cat}/K_M (sec ⁻¹ M ⁻¹)
TgLDH1	1 \pm 0.1	26000 \pm 2300	-	3.7 \pm 0.1 $\times 10^1$	73 \pm 2	180 \pm 10	47 \pm 10	4.2 \pm 0.2 $\times 10^5$
RbMDH	250 \pm 10	24 \pm 2.5	0.84 \pm 0.09	1.1 \pm 0.07 $\times 10^7$	-	-	-	-
AncLDH	0.03 \pm 0.001	2300 \pm 400	-	1.3 \pm 0.2 $\times 10^1$	8.8 \pm 0.4	2.9 \pm 0.5	5.9 \pm 0.9	3.1 \pm 0.6 $\times 10^6$
AncMDH3	10 \pm 0.4	1.4 \pm 0.4	3.1 \pm 0.6	6.9 \pm 1.6 $\times 10^6$	0.03 \pm 0.001	14800 \pm 1000	-	2.0 \pm 0.1 $\times 10^0$
AncMDH2	7.5 \pm 1	0.4 \pm 0.5	0.14 \pm 0.06	3.3 \pm 6.6 $\times 10^7$	0.07 \pm 0.006	22000 \pm 4400	-	3.2 \pm 0.4 $\times 10^0$
AncMDH1	40 \pm 3	3.1 \pm 0.6	0.05 \pm 0.01	1.2 \pm 0.2 $\times 10^7$	0.04 \pm 0.001	27800 \pm 2400	-	1.3 \pm 0.06 $\times 10^0$