

pH 6											pH 7										
Computational analysis							Experimental Data ^a				Computational analysis						Experimental Data ^a				
Organism	FBP (mM)	ΔE_{AS}	ΔE_{CS}	ΔE_{CS}^{PF}	A	I	Pi Effect	Pi (mM)			Pi Effect	ΔE_{AS}	ΔE_{CS}	ΔE_{CS}^{PF}	A	I	Pi Effect	Pi (mM)			Pi Effect
								0	50 (%)	100								0	50 (%)	100	
<i>S. pyogenes</i> LDH	0	-3	+1		A	\neg I	A	1.22 ± 0.02	2.16 ± 0.02	2.62 ± 0.23	a	-2	0		A	\neg I	A	0.63 ± 0.04	1.65 ± 0.15	2.71 ± 0.29	a
	3		+1			\neg I	\neg E	100 ± 9.2	101 ± 7.3	102 ± 4.4	\neg E		0			\neg I	\neg E	100 ± 8.0	95 ± 6.6	100.1 ± 6.0	\neg E
<i>E. faecalis</i> LDH1	0	-1	+1		a	\neg I	a	12.40 ± 1.12	12.40 ± 1.35	19.57 ± 0.48	a	0	+1		a	\neg I	a	18.94 ± 0.50	17.56 ± 1.63	26.92 ± 0.09	a
	3		+1			\neg I	\neg E	100 ± 2.8	87.3 ± 5.4	106.8 ± 11.4	\neg E		+1			\neg I	\neg E	100 ± 8.5	91.7 ± 6.0	108.7 ± 11.3	\neg E
<i>L. lactis</i> ^b LDH1	0	-4	-1	-1	A	i	aV \neg E	0.1 ± 0.05	0.3 ± 0.04	n/a	aV \neg E	-3	-1	-1	A	i	aV \neg E	3 ± 0.1	0.7 ± 0.1	n/a	iV \neg E
	3		-1	-1		i	i	100 ± 0.2	100 ± 0.7	90 ± 0.6	i		-1	-1		i	i	100 ± 1.6	99 ± 1.1	71 ± 5.4	i
<i>L. lactis</i> ^b LDH2	0	-7	-4	-1	A	i	a	22 ± 0.4	78 ± 1.1	75 ± 1.8	A	-6	-4	-3	A	I	\neg E	4 ± 1.3	4 ± 0.1	3 ± 1.1	\neg E
	3		-3	-1		i	i	100 ± 6.2	110 ± 2.6	n/a	\neg E ^d		-3	-3			I	I	100 ± 2.6	88 ± 0.7	n/a
<i>E. faecalis</i> ^c LDH2	0	-4	-3	-1	A	i	aV \neg E	25.54 ± 0.43	9.44 ± 2.38	7.53 ± 2.59	i	-3	-3	-2	A	I	\neg EVi	40.11 ± 1.23	11.74 ± 1.23	11.91 ± 3.15	i
	3		-2	-1		i	i	100 ± 1.3	21.0 ± 1.9	15.4 ± 0.6	I		-3	-2			I	I	100 ± 0.5	12.8 ± 2.3	12.6 ± 1.0