

Supporting Information for:

A proposed role for *Leishmania major* carboxypeptidase in peptide catabolism

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Table 1. Substrate specificity of *Lma*CP1 for ZAX substrates.

Substrate	V _{max} ($\mu\text{moles}/\text{min}$)	K _M (mM)	k _{cat} /K _M ($\text{s}^{-1} \text{mM}^{-1}$)
ZAK	2.3 \pm 0.1	3.0 \pm 0.4	0.73
ZAR	12.5 \pm 0.6	7.0 \pm 0.6	1.7
ZAH	9.6 \pm 0.8	21.4 \pm 3.6	0.42
ZAW	1.7 \pm 0.07	1.3 \pm 0.3	1.2
ZAF	3.9 \pm 0.9	12.3 \pm 9.9	0.30
ZAI	2.8 \pm 0.04	1.2 \pm 0.1	2.3
ZAA	19.9 \pm 1.3	6.8 \pm 1.1	2.8
ZAV	6.6 \pm 0.6	5.6 \pm 1.5	1.1
ZAS	7.7 \pm 0.5	6.7 \pm 1.2	1.1
ZAM	7.4 \pm 0.7	7.8 \pm 2.0	0.89

^aThe cleavage rate of the ZAY, ZAN, and ZAE substrates were too slow to be measured accurately.