

Crystal structure of lipoate-bound lipoate ligase 1, LipL1, from *Plasmodium falciparum*

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Supplement

Table S1. Primers used for construction of LipL1 deletion mutants.

Plasmid	Primer name	Primer sequence
pMALcHT-LipL1 Δ ₂₅₉₋₂₆₉	d11LipL1.fwd	TTAGAAAATAATATAAATAATAACAATACAAATGAAAACAACCTTAATAAATAAC
	d11LipL1.rev	GTTATTTATTAAGTTGTTTTTCATTGTATTGTTATTATTTATATTATTTTCTAA
pMALcHT-LipL1 Δ ₂₅₄₋₂₇₄	d21LipL1.fwd	GAAAATATAAATAATATAAAAAATTTAGAAAACAACCTTAATAAATAACACCAAT
	d21LipL1.rev	ATTGGTGTTATTTATTAAGTTGTTTTCTAAATTTTTATATTATTTATATTTTC
pMALcHT-LipL1 Δ ₂₄₉₋₂₇₉	d31LipL1.fwd	CAAAATTATAAAGAAAATATAAATAATAACACCAATATAATACCTAATGATATTA CG
	d31LipL1.rev	ATTAGGTATTATATTGGTGTTATTATTTATATTTTCTTTATAATTTTGTTTCATAAAA
pMALcHT-LipL1 Δ ₂₄₃₋₂₇₉	d37LipL1.fwd	TTCACAAAATTTTATGAACAAAATTATAACACCAATATAATACCTAATGAT
	d37LipL1.rev	ATCATTAGGTATTATATTGGTGTTATAATTTTGTTTCATAAAAATTTTGTTGAA

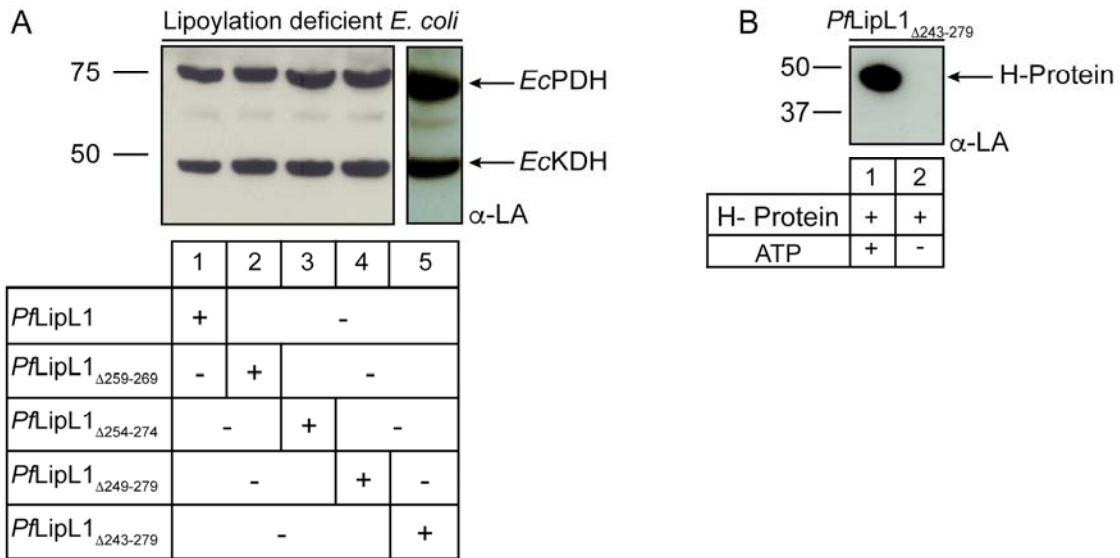


Fig S1 Lipoylation of *PfLipL1* variants remains unchanged. (A) Wild-type (lane 1) and all deletion mutants (lanes 2-5) have lipoylation activity for the *E. coli* substrate enzymes in a lipoylation deficient *E. coli* strain JEG3. (B) *PfLipL1*_{Δ243-279} can lipoylate the canonical H-protein substrate enzyme in an *in vitro* lipoylation assay.