

Appendix A

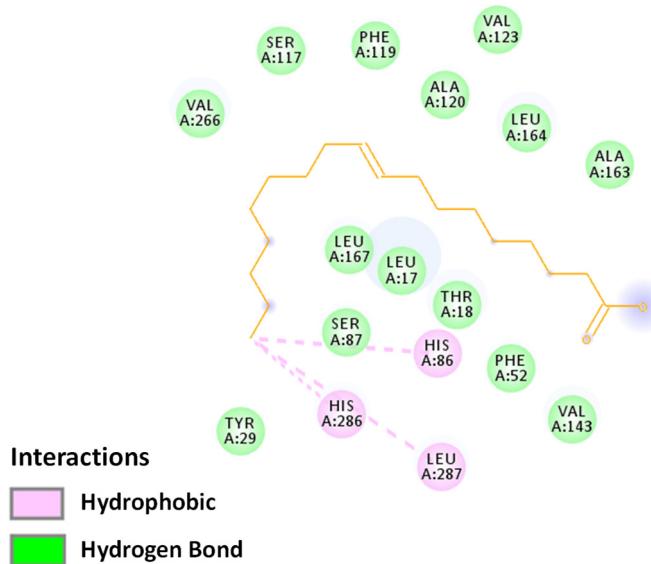


Figure S1. Molecular interaction diagrams of *Burkholderia cepacia* lipase (BCL) with oleic acid.

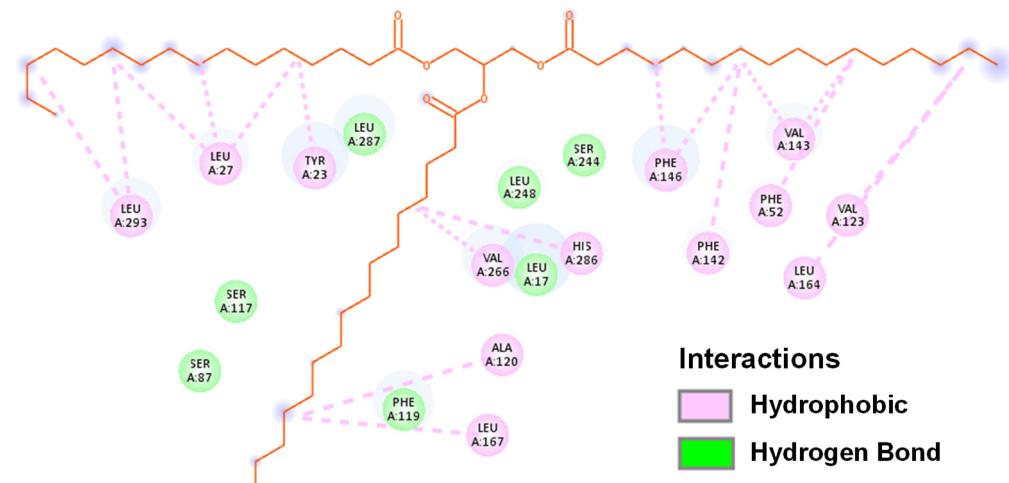


Figure S2. Molecular interaction diagrams of *Burkholderia cepacia* lipase (BCL) with tripalmitin.

Table S1. Docking affinity energy and interactions of molecules individually with amino acids of *Burkholderia cepacia* lipase (BCL) predicted by AutoDock Vina.

Molecules	Affinity (kcal/mol)	Interacting amino acids	Type of interaction	From	To	Distance (Å)
Oleic acid	-6.5	Leucine287	Hydrophobic	Oleic acid	Leucine287	5.48
		Histidine86		Histidine86	Oleic acid	5.30
		Histidine286		Histidine286	Oleic acid	4.79
Tripalmitin	-5.4	Valine123	Hydrophobic	Tripalmitin	Valine123	4.47
		Leucine164		Tripalmitin	Leucine164	4.12
		Valine266		Tripalmitin	Valine266	3.92
		Histidine286		Histidine286	Tripalmitin	4.48