

Table S1. Fatty acid ethyl esters (FAEE) composition of raw material and of biodiesel samples produced by enzymatic transesterification using *Candida rugosa* lipase (CRL) and *Endomelanconopsis endophytica* lipase (EEL), determined by GC-MS.

FAEE	Palmitate		Linoleate		Oleate		Stearic	
Molecular formula	C ₁₈ H ₃₆ O ₂		C ₁₈ H ₃₆ O ₂		C ₂₀ H ₃₈ O ₂		C ₂₀ H ₄₀ O ₂	
CAS number	628-97-7		544-35-4		111-62-6		111-61-5	
Raw material and Biodiesel Sample	Retention time ^a (min)	Concentration ^b (%)	Retention time ^a (min)	Concentration ^b (%)	Retention time ^a (min)	Concentration ^b (%)	Retention time ^a (min)	Concentration ^b (%)
Soybean oil	18.234	4.84	19.926	49.92	19.998	7.65	20.129	1.39
Waste cooking oil	18.227	5.84	19.916	53.95	19.989	8.93	20.133	1.69
CRL 2:1	18.229	5.98	19.913	49.27	19.987	5.59	20.126	2.12
CRL 3:1	18.237	5.24	19.937	49.99	19.996	8.65	20.132	2.18
EEL 2:1	18.231	6.61	19.923	50.55	19.961	4.61	20.127	1.35
EEL 3:1	18.236	5.50	19.927	50.12	19.949	4.75	20.130	1.23

^aPeak assignment is based on m/z of the molecular ion peak. ^bFAEE concentration was calculated from GC-MS analysis, considering the peak area.