

Appendix Table S1. Proximate biochemical composition (moisture-free basis) described in this manuscript.

	Adzuki bean (<i>Vigna angularis</i>)	Chickpea (<i>Cicer arietinum</i> L.)	Common bean (<i>Phaseolus vulgaris</i> L.)	Cowpea (<i>Vigna unguiculata</i> L.)	Faba bean (<i>Vicia faba</i> L.)	Hyacinth bean (<i>Lablab purpureus</i> L.)	Jackbean (<i>Canavalia ensiformis</i> (L.) DC.)	Lentil (<i>Lens culinaris</i>)	Lupin (<i>Lupinus</i> sp.)	Mothbean (<i>Vigna aconitifolia</i>)	Mungbean (<i>Vigna radiata</i> L.)	Pea (<i>Pisum sativum</i> L.)	Peanut (<i>Arachis hypogaea</i> L.)	Soybean (<i>Glycine max</i> L.)
Protein	30.73%	21.5-21.7%	23.56-24.46%	22.54-28.34%	31.92%	26.17%	34.30%	26.5-31.6%	33.5-46.7%	16.14%	20.97-31.32%	20.5-28.1%	40.99%	41.0-41.6%
Carbohydrate	59.30%	47.42-47.57%	65.04-66.26%	59.95-66.41%		67.58%	54.41%	64.2-69.1%		76.22%	61.20%	5.08-10.6%	1.92%	17.74-38.1%
Starch				31.33-40.27%				42.2-45.7%				24.6-48.5%		
Crude Fiber	1.27%	19.51-21.67 %	4.55-4.70%	4.80-5.70%	15.74%		9.68%		10.7-17.2%	0.38%	8.89-12.85%	6.83-9.60%	3.93%	5.92-7.13%
Ash	4.43%	3.22-3.42 %	3.60-4.30%	3.96-4.20%	3.88%	3.82%	4.84%	2.70-3.74%	3.00-4.22%	3.23%	2.96-3.39%	3.45-4.03%	4.03%	4.67-8.12%
Fat/Oil	4.28%	3.07-4.60%		2.03-2.20%	1.79%	1.11%	4.30%	0.50-1.49%	12.98-18.95%	4.04%	1.20-1.56%	1.76-3.17%	49.89%	20.11-30.68%
Saturated											30.37 (% of total FAs)			
Unsaturated											69.58 (% of total FAs)			
C10				0.1-0.2% of total FAs			0.05%			2.3% of total lipid	2.35% of total FAs			
C12				0.4-0.6% of total FAs	0.2% total FAs	0.57%	4.85%	0.4% of total FAs	0.84-2.63 g/kg	<0.2% of total lipid	0.94% of total FAs	0.3 g/100 of total FAs	18.80%	
C14								14.6-16.2% (dry weight basis)	40.7-121 g/kg		1.04% of total FAs	14.3-14.4 g/kg (dry matter)		
C16	30.9% (dry weight basis)	9.6% of total FAs	18.7% (dry weight basis)	35.1-47.1% of total FAs	18.3% total FAs	26.1%	3.08%		0.69-4.75 g/kg	37.3% of total lipid	16.15% of total FAs		8.17%	11%
C16:1				0.1-0.2% of total FAs			18.97%		16.2-77.4 g/kg	<0.2% of total lipid	3.70% of total FAs			
C18	6.5% (dry weight basis)	2.1% of total FAs	4.0% (dry weight basis)	5.0-7.6% of total FAs	3.1% total FAs		0.05%	2.3-3.3% (dry weight basis)		8.4% of total lipid	6.33% of total FAs	2.9-3.3 g/kg (dry matter)	31.92%	4%
C18:1	5.1% (dry weight basis)	31.6% of total FAs	6.1% (dry weight basis)	6.9-10.6% of total FAs	18.0% total FAs	61.2%	32.88%	23.5-28.3% (dry weight basis)	204-491 g/kg	7.1% of total lipid	15.78% of total FAs	20.8-29.1 g/kg (dry matter)		25%
C18:2	43.8% (dry weight basis)	52.2% of total FAs	32.7% (dry weight basis)	21.7-30.9% of total FAs	28.3% total FAs		25.93%	43.3-46.1% (dry weight basis)	176-505 g/kg	35.6% of total lipid	33.12% of total FAs	46.7-51.3 g/kg (dry matter)		52%
C18:3	13.7% (dry weight basis)	2.54% of total FAs	38.5% (dry weight basis)	7.3-16.8% of total FAs	3.6% total FAs		8.71%	10.2-12.1% (dry weight basis)	59-101 g/kg	9.1% of total lipid	16.98% of total FAs	6.7-10.1 g/kg (dry matter)		8%
C20:1		0.51% of total FAs		0.3-0.7% of total FAs					3.60-41.5 g/kg					
C22:1		0.14% of total FAs							4.00-22.2 g/kg					
References	[32,33]	[33-36]	[33,37]	[38-40]	[41-43]	[44,45]	[46,47]	[33,48]	[49-51]	[52,53]	[54-56]	[28,42,57]	[58]	[59-61]