

Table S1 – Nitrogen results

Table S1. Nitrogen (N) and protein content in unprocessed samples

Family Common name	Species name ^a	N [%] ^b	Conversion factor ^c	Protein [%] ± SD ^d
Adoxaceae				
Elderberry - ripe	<i>Sambucus nigra</i> L.	1.1	5.6	6.0 ± 0.02
Elderberry - unripe	<i>Sambucus nigra</i> L.	1.3	5.6	7.1 ± 0.02
Amaranthaceae				
Nigella seed	<i>Nigella sativa</i> L.	3.7	5.3	19.6 ± 0.05
Quinoa, black	<i>Chenopodium quinoa</i> Willd.	2.1	5.3	11.3 ± 0.03
Quinoa, red	<i>Chenopodium quinoa</i> Willd.	2.2	5.3	11.7 ± 0.03
Quinoa, white	<i>Chenopodium quinoa</i> Willd.	2.7	5.3	14.5 ± 0.04
Cannabaceae				
Hemp seed	<i>Cannabis sativa</i> L.	5.5	5.3	29.3 ± 0.08
Fabaceae				
Adzuki bean	<i>Vigna angularis</i> L.	3.4	5.4	18.5 ± 0.05
Beluga lentil	<i>Lens culinaris</i> L.	3.9	5.4	20.8 ± 0.06
Black bean	<i>Phaseolus vulgaris</i> L.	3.8	5.4	20.3 ± 0.05
Borlotti bean	<i>Phaseolus vulgaris</i> L.	3.3	5.4	18.0 ± 0.05
Brown lentil	<i>Lens culinaris</i> L.	4.1	5.4	22.0 ± 0.06
Chickpea, brown	<i>Cicer arietinum</i> L.	3.1	5.4	16.7 ± 0.05
Chickpea, yellow	<i>Cicer arietinum</i> L.	3.4	5.4	18.1 ± 0.05
Cowpea	<i>Vigna unguiculata</i> L.	3.8	5.4	20.4 ± 0.06
Edamame bean	<i>Glycine max</i> L.	3.7	5.5	20.1 ± 0.05
Fava bean	<i>Vicia faba</i> L.	4.5	5.4	24.4 ± 0.07
Green bean, broad	<i>Phaseolus coccineus</i> L.	3.1	5.4	16.7 ± 0.05
Green bean, haricot vert	<i>Phaseolus vulgaris</i> L.	4.0	5.4	21.6 ± 0.06
Green lentil	<i>Lens culinaris</i> L.	4.0	5.4	21.6 ± 0.06
Green lentil, le Puy	<i>Lens culinaris</i> L.	5.1	5.4	27.3 ± 0.07
Horse bean	<i>Vicia faba</i> L.	4.1	5.4	22.2 ± 0.06
Kidney bean	<i>Phaseolus vulgaris</i> L.	3.8	5.4	20.5 ± 0.06
Lima bean	<i>Phaseolus lunatus</i> L.	3.4	5.4	18.5 ± 0.05
Mung bean	<i>Vigna radiata</i> L.	3.9	5.4	20.8 ± 0.06
Pea leave	<i>Pisum sativum</i> L.	5.1	5.6	28.5 ± 0.08
Pinto bean	<i>Phaseolus vulgaris</i> L.	3.2	5.4	17.4 ± 0.05
Rashti bean	<i>Phaseolus vulgaris</i> L.	3.8	5.4	20.5 ± 0.06
Red lentil	<i>Lens culinaris</i> L.	4.6	5.4	25.0 ± 0.07
Soybean	<i>Glycine max</i> L.	6.5	5.5	35.7 ± 0.10
Sugar pea	<i>Pisum sativum</i> L.	3.8	5.4	20.6 ± 0.06
Sugar snap	<i>Pisum sativum</i> L.	3.4	5.4	18.1 ± 0.05
Urid bean	<i>Vigna mungo</i> L.	3.8	5.4	20.3 ± 0.05
White bean	<i>Phaseolus vulgaris</i> L.	3.8	5.4	20.6 ± 0.06
Gramineae				
Barley	<i>Hordeum vulgare</i> L.	2.0	5.4	10.6 ± 0.03
Rice	<i>Oryza sativa</i> L.	1.4	5.4	7.3 ± 0.02
Wheat	<i>Triticum aestivum</i> L.	2.1	5.4	11.4 ± 0.03
Lamiaceae				
Chia seed	<i>Salvia hispanica</i> L.	3.3	5.3	17.3 ± 0.05
Linaceae				
Linseed	<i>Linum usitatissimum</i> L.	3.7	5.3	19.5 ± 0.05
Pedaliaceae				
Sesame	<i>Sesamum indicum</i> L.	3.4	5.3	17.9 ± 0.05
Solanaceae				
Bell pepper, green	<i>Capsicum annuum</i> L.	1.7	5.4	9.2 ± 0.02
Bell pepper, red	<i>Capsicum annuum</i> L.	1.4	5.4	7.5 ± 0.02

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Bell pepper, yellow	<i>Capsicum annuum</i> L.	1.1	5.4	6.0 ± 0.02
Eggplant	<i>Solanum melongena</i> L.	2.1	5.4	11.2 ± 0.03
Potato	<i>Solanum tuberosum</i> L.	1.4	5.4	7.5 ± 0.02
Tomato	<i>Solanum lycopersicum</i> L.	2.2	5.4	11.7 ± 0.03

^a Latin names representing the common English names of samples were retrieved online [34,35].

^b Results are rounded to the nearest tenths.

^c Conversion factors were established elsewhere [37,38].

^d The values (n = 1) ± standard deviation (SD). SD was calculated from the positive control, which was analysed 8 times under reproducible conditions.