

Supplementary materials

Table S1. Total counts of LAB (CFU/g) for CSWY and CDSWY at different fermentation times

Fermentation time	CSWY	CDSWY
0h (initial point)	2.2×10^7	2.2×10^7
8h (end point)	1.9×10^7	3.7×10^8

Table S2. Free amino acids content (mg/mL) of concentrated soybean whey (CSW) and concentrated desalted soybean whey (CDSW).

Essential amino acid	CSW	CDSW
Threonine	0.07 ± 0.00^a	0.05 ± 0.00^b
Valine	0.10 ± 0.00^a	0.06 ± 0.00^b
Methionine	0.02 ± 0.00^a	0.02 ± 0.00^a
Phenylalanine	0.07 ± 0.00^a	0.05 ± 0.00^b
Isoleucine	0.05 ± 0.00^a	0.04 ± 0.00^b
Leucine	0.08 ± 0.00^a	0.06 ± 0.00^b
Lysine	0.11 ± 0.00^a	0.04 ± 0.00^b
Non-essential amino acid		
Aspartic acid	0.47 ± 0.01^a	0.23 ± 0.00^b
Glutamic acid	0.55 ± 0.01^a	0.34 ± 0.00^b
Serine	0.02 ± 0.00^a	0.01 ± 0.00^b
Arginine	1.66 ± 0.02^a	0.30 ± 0.01^b
Histidine	0.12 ± 0.00^a	0.04 ± 0.00^b
Glycine	0.05 ± 0.00^a	0.04 ± 0.00^b
Alanine	0.16 ± 0.00^a	0.12 ± 0.00^b
Tyrosine	0.20 ± 0.00^a	0.16 ± 0.00^b
Cysteine	0.02 ± 0.00^a	0.00 ± 0.00^b
Proline	0.04 ± 0.01^a	0.03 ± 0.01^a
Σ FAAs	3.78 ± 0.04^a	1.59 ± 0.01^b