

Supplementary materials for the article:

Zhang D. et al. *Lactobacillus fermentum* JX306 Restrain D-galactose-induced Oxidative Stress of Mice through its Antioxidant Activity
Pol J Microbiol. 2020, Vol. 69, No 2, 205–215.

Table SI

The samples of Chinese traditional fermented vegetables collected in this study together with a number of the strains isolated from each sample.

Province	City	Strain	Materials	Province	City	Strain	Materials
Sichuan	Chengdu	18	Carrot	Yunan	Yuxi	9	Spicy cabbage
	Chengdu	9	Cabbage		Dali	12	Pickled mustard
	Leshan	10	Sliced kelp	Guangxi	Guilin	10	Pickled cowpea
		10	Pickle		Liuzhou	9	Pickled cowpea
	Meishan	10	Cabbage	Jilin	Changchun	20	Spicy cabbage
		10	Picked carrot		Baishan	10	Allium macrostemon
	Yaan	10	Picked cowpea		Tonghua	14	Su cotyledon
	Chongqing	Fuling	10	Carrot	Heilongjiang	Haerbin	18
10			Pickle	Jixi		10	Spicy cabbage
10			Pickled cowpea	Liaoning	Shenyang	20	Spicy cabbage
Guizhou	Bijie	10	Pickled cowpea		Tieling	9	Spicy cabbage
	Xifeng	10	Chinese sauerkraut		Youyuan	9	Spicy cabbage
	Zunyi	13	Pickled cowpea		Linghai	10	Spicy cabbage
	Guiyang	8	Chinese sauerkraut	Shandong	Qingdao	10	Spicy cabbage
	Yinjiang	10	Pickled radish		Taian	10	Carrot
Hubei	Yichang	10	Pickled pepper		Yantai	10	Spicy cabbage
	Jingzhou	10	Pickle mustard	Shanxi	Hanzhong	11	Pickled cowpea
Jiangxi	Nanchang	12	Sour pepper	Zhejiang	Jiaxing	20	Chinese sauerkraut
	Gannan	10	Spicy cabbage	Hunan	Yiyang	10	Chinese sauerkraut
	Ji'an	37	Chinese sauerkraut		Xiangxi	12	Pickled radish

Table SII

Primer sequences used for detection of the antioxidant-related genes.

Gene description	Primer sequences (5'–3')	Annealing temperature (°C)	Product length
Thioredoxin reductase	F: ATTACGAGTGACGACCTGTTCT	56	209
	R: AACTTGACACCTTGTTGTTCCAG		
Peroxiredoxin1	F: TGTCCCACGGAGATCATTGG	57	180
	R: GGTGCGCTTGGGATCTGATA		
Glutathione reductase	F: CGATCACGTGGATTACGGCT	57	171
	R: CGAGGACCATCTGCGAATGT		
Glutathione peroxidase	F: CAGTCCACCGTGTATGCCTT	56	224
	R: TTGCCATTCTGGTGTCCGAA		
β -Actin	F: CCCAGGCATTGCTGACAGG	59	141
	R: TGGAAGGTGGACAGTGAGGC		