

1 *Lactobacillus fermentum* MCC2759 and MCC2760 alleviate inflammation and intestinal function in high-
2 fat diet-fed and streptozotocin-induced diabetic rats

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36 **Supplementary data 2: List of primers used in this study**

Target gene	Primer pair	Primer Sequences (5' → 3')	Amplicon size (bp)	Annealing temperature (°C)	Purpose	Reference
TNF- α	RNTNF- α F	CAGATGGGCTGTACCTTATC	125	60	anti-inflammatory	This study
	RNTNF- α R	AGAGGAGGCTGACTTTCT				
IL-1 β	RNIL-1 β F	CCTGTCCTGTGTGATGAAAG	147	60	anti-inflammatory	This study
	RNIL-1 β R	AACTGTGCAGACTCAAACCTC				
IL-6	RNIL-6F	CCTCTTGGGACTGATGTTG	128	60	anti-inflammatory	This study
	RNIL-6R	AATTAAGCCTCCGACTTGTG				
IL-12	RNIL-12F	CATCCAGCGCAAGAAAGA	144	60	anti-inflammatory	This study
	RNIL-12R	GAATTGTAGTAGCGGTCCTG				
IL-10	RNIL-10F	GGAGTGAAGACCAGCAAAGG	155	60	anti-inflammatory	Distrutti et al. [54]
	RNIL-10R	GGCAACCCAAGTAACCCCTTA				
GAPDH	RNGAPDHF	GCCTCCAAGGAGTAAGAAAC	140	60	endogenous control	This study
	RNGAPDHR	GTCTGGGATGGAATTGTGAG				
TLR4	TLR4F	ATCATCCAGGAAGGCTTCCA	180	60	probiotic MOA	Jilling et al. [55]
	TLR4R	GCTGCCTCAGCAAGGACTTCT				
ZO-1	ZO-1F	AGCGAAGCCACCTGAAGATA	139	60	probiotic MOA	This study
	ZO-1R	GATGGCCAGCAGGAATATGT				
CB1	CB1F	TTTCAAGCAAGGAGCACCCA	134	60	probiotic MOA	This study
	CB1R	GGTACGGAAGGTGGTGTCTG				
CB2	CB2F	TGATAGCCCGATAAGCCTTG	135	60	probiotic MOA	This study
	CB2R	TGCTATGGGAGACACAGCAG				
ADIPO	ADIPOF	CATTCCTGTCTGTACGAGTG	99	60	probiotic MOA	This study
	ADIPOR	GGCAGGATTAAGAGGAACAG				
GLUT4	GLUT4F	GTCCCTACGTCTTCCTTCTA	149	60	probiotic MOA	This study
	GLUT4R	GTTTCACCTCCTGCTCTAAG				
GLP1	GLP1F	CAAGCTGTACCTGAGCATAG	142	60	probiotic MOA	This study
	GLP1R	GAATGGGCAAGCGTATGA				

37 TNF-tumour necrosis factor; IL-interleukin; GAPDH-glyceraldehyde phosphate dehydrogenase; TLR-toll-like
38 receptor; MOA-mode of action; ZO-zonal occludin; CB-endocannabinoid receptor; ADIPO-adiponectin; GLUT-
39 glucose transporter; GLP-glucagon-like peptide; MOA-mode of action