

## Appendix (Supplementary information)

### ***Lactaseibacillus casei* HY2782 improves the intestinal barrier and tract environment and ultimately prolongs the lifespan of *Caenorhabditis elegans***

**Table S1.** Composition of artificial colon fermentation media

Component	Concentration (g/L)	
	Normal colon	High-protein diet colon
Peptone	1	1
Yeast extract	3	3
Mucin	4	4
Casein	-	8
D-Glucose	0.4	0.4
L-Cysteine-hydrochloride	0.5	0.5
Pectin	2	2
Xylan	1	1
Arabinogalactan	1	1
Inulin	0.5	0.5
Starch	3	3
Bile salt	0.4	0.4
Resazurin solution	0.0025	0.0025