

Table S1. Genes encoding functions required for survival/persistence in GIT, adhesion and exopolysaccharides production in the genome of *L. rhamnosus* GG (GenBank Acc. n. NC_013198.1/FM179322.1) and their presence/absence, identity and coverage percentages in other fully annotated *Lactocaseibacillus* genomes.

Gene/Gene Cluster	Function	% Genomes with Homologous Genes	% Identity Range	% Query Coverage Range
LGG_00031	p40 peptidoglycan hydrolase, Surface antigen	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	79.17–82.71 77.46–79.33 98.88–100 82.31–82.94	100 100 100 100
LGG_00051	GalC Possible cell wall associated protein with FIVAR domain, putative binding domain with hyaluronate or fibronectin as possible substrates	<i>L. casei</i> : 60 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 85 <i>L. zeae</i> : 100	74.08–73.67 100–95.04 73.71–73.63	98 100 96–98
LGG_00107	RmlC, dTDP-4-dehydrorhamnose 3,5-epimerase	<i>L. casei</i> : 0 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 92 <i>L. zeae</i> : 0	98.82–100	100
LGG_00172	TauB, taurine uptake system <i>tauABC</i>	<i>L. casei</i> : 0 <i>L. paracasei</i> : 50 <i>L. rhamnosus</i> : 54 <i>L. zeae</i> : 0	73.16–73.33 99.18–100	77 100
LGG_00173	TauA, taurine uptake system <i>tauABC</i>	<i>L. casei</i> : 0 <i>L. paracasei</i> : 50 <i>L. rhamnosus</i> : 54 <i>L. zeae</i> : 0	70.62–70.76 98.18–100	51 100
LGG_00174	TauC, taurine uptake system <i>tauABC</i> permease	<i>L. casei</i> : 0 <i>L. paracasei</i> : 50 <i>L. rhamnosus</i> : 54 <i>L. zeae</i> : 0	72.33–75.25 99.62–100	62–78 100
LGG_00183	YqcC C-terminal WxL domain	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100	71.18–70.17 70.20–70.78 97.27–100	74–85 62 100

		<i>L. zeae</i> : 100	69.14–69.19	83	
LGG_00278	O-antigen ligase family protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 30 <i>L. rhamnosus</i> : 45 <i>L. zeae</i> : 0	100	100	
LGG_00279	WelA, dTDP-rhamnosyl transferase RfbF	<i>L. casei</i> : 0 <i>L. paracasei</i> : 30 <i>L. rhamnosus</i> : 32 <i>L. zeae</i> : 0	67.71–71.26 100	30–70 100	
LGG_00280	WelB, alpha-L-Rha alpha-1,3-L-rhamnosyltransferase	<i>L. casei</i> : 0 <i>L. paracasei</i> : 29 <i>L. rhamnosus</i> : 32 <i>L. zeae</i> : 0	66.29–73.26 100	89–90 100	23–70 100
LGG_00281	WelC, alpha-L-Rha alpha-1,3-L-rhamnosyltransferase	<i>L. casei</i> : 0 <i>L. paracasei</i> : 95.8 <i>L. rhamnosus</i> : 32 <i>L. zeae</i> : 0	69.03–69.41 100	76 100	
LGG_00282	Eps1, Polysaccharide Transporter, PST family protein	<i>L. casei</i> : 40 <i>L. paracasei</i> : 53 <i>L. rhamnosus</i> : 32 <i>L. zeae</i> : 0	62.75–69.73 62.26–74.12 9.93–100	37–82 30–98 100	
LGG_00283	Eps2, CpsH	<i>L. casei</i> : 0 <i>L. paracasei</i> : 26 <i>L. rhamnosus</i> : 32 <i>L. zeae</i> : 0	70.84–71.86 99.90–100	94–98 100	
LGG_00295	Glycosyltransferase, group 2	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	78.48–78.87 73.88–74.71 97.57–100 77.84	99 99 100 99	
LGG_00324	p75 cell wall peptidase, surface antigen	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100	77.4–78.89 78.63–79.30 96.26–100	67–74 66–86 100	

		<i>L. zeae</i> : 100	76.35–76.5	67
LGG_00348	YohJ, lipopolysaccharide biosynthesis protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 32.7 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	68.37–70.58 97.71–100	91–98 100
LGG_00349	YohH, Polyglycerol-phosphate alpha-glucosyltransferase, Lipopolysaccharide biosynthesis protein, glycosyltransferase activity	<i>L. casei</i> : 100 <i>L. paracasei</i> : 32.7 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	68.07–70.92 74.35–74.60 97.15–100 66.90–69.48	30–52 99 100 48–58
LGG_00422	Gram-positive pilin subunit D1, SpaA, LPXTG cell wall anchor motif	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 27 <i>L. zeae</i> : 0	98.61–99.80 97.21–100	100 100
LGG_00434	NagZ, β -N-acetylhexosaminidase, LPXTG cell wall anchor domain	<i>L. casei</i> : 100 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 33 <i>L. zeae</i> : 100	68.97–69.33 88.87–100 100 68.78–68.81	66 99–100 100 66
LGG_00441	SrtC1 sortase	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 27 <i>L. zeae</i> : 100	98.11–99.35 97.96–100	97–100 99–100
LGG_00442	SpaA, pilus specific protein, major backbone protein, LPXTG cell wall anchor domain-containing protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 27 <i>L. zeae</i> : 0	98.86–9.20 97.21–100	100 100
LGG_00443	SpaB, Pilus specific protein, minor backbone protein, Gram-positive pilin subunit D1	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 27 <i>L. zeae</i> : 0	99–100 98.62–100	100 100
LGG_00444	SpaC, VWA domain-containing protein, pilus specific protein, ancillary protein involved in mucus-adhesion	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 27	93.73 – 99.4 97.47–100	100 100

		<i>L. zeae</i> : 0		
LGG_00500	MetQ, D-methionine-binding lipoprotein, surface antigen	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	73.51–74.13 76.13–75.13 97.44–100 75.41–75.51	89 57–86 100 85–86
LGG_00501	Bsh, choloylglycine hydrolase, bile salt hydrolase	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	79.65–79.94 76.38–76.97 97.24–100 79.65–80.73	100 99 100 100
LGG_00503	Myosin-cross-reactive antigen family protein with structural features in common with the beta chain of the class II antigens	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	84.37–85.01 81.87–82.36 96.93–100 84.95–85.18	100 100 100 99
LGG_00544	TauE, protein involved in the export of sulfoacetate during taurine metabolism	<i>L. casei</i> : 100 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	74.37–74.87 96.14 – 100 74.90–75.56	100 99–100 100
LGG_00576	WxL domain containing protein	<i>L. casei</i> : 93 <i>L. paracasei</i> : 96 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 50	75.83–76.58 75.77–76.5 94.43–100 76.42	93 95 100 93
LGG_00578	Cell surface protein with LPxTG motif for cell wall anchoring by sortases, peptidase	<i>L. casei</i> : 0 <i>L. paracasei</i> : 75 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	 72.95–73.77 90.48–100 	 33 100
LGG_00579	Lectin-like protein, WxL domain	<i>L. casei</i> : 0 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	 80.82–100 	 73–100
LGG_00583	WxL domain containing protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 96 <i>L. rhamnosus</i> : 78	 69.00–73.54 97.63–100	 97–98 100

		<i>L. zeae</i> : 0		
LGG_00584	Cell surface protein with LPxTG motif for cell wall anchoring by sortases	<i>L. casei</i> : 0 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 81 <i>L. zeae</i> : 0	95.47–100	100
LGG_00585	WxL domain-containing protein, Llp1 lectin-like protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 92 <i>L. rhamnosus</i> : 81 <i>L. zeae</i> : 0	69.82–71.01 97.68–100	88 100
LGG_00587	WxL domain-containing protein, lectin-like protein 1	<i>L. casei</i> : 0 <i>L. paracasei</i> : 94 <i>L. rhamnosus</i> : 81 <i>L. zeae</i> : 0	67.18–69.43 97.40–100	94 100
LGG_00645	Glycosyltransferase, group 2, a paralog is plasmid encoded in some <i>L. paracasei</i> strains	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	72.63–74.55 73.76–74.81 96.57–100 72.52–72.48	90 90 100 90
LGG_00695	GtrB, glycosyltransferase, group 2	<i>L. casei</i> : 100 <i>L. paracasei</i> : 94 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	76.28–77.20 73.29–73.69 98.47–100 76.51–76.71	100 99 100 100
LGG_00696	YkcB, 4-amino-4-deoxy-L-arabinose transferase related glycosyltransferase of PMT family protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 94 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	75.03–81.50 74.07–78.52 96.47–100 75.20–81.14	88–100 84 100 91–100
LGG_00697	GtcA family protein, involved in lipoteichoic acid (LTA) glycosylation	<i>L. casei</i> : 100 <i>L. paracasei</i> : 94 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	77.21–86.49 76.47–77.45 99.75–100 85.75–86.49	99–100 100 100 99
LGG_00825	RfaG, glycosyltransferase group 1	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100	81.97–83.29 81.01–80.61 99.67–100	100 100 100

		<i>L. zaeae</i> : 100	83.03–83.53	100
LGG_00826	CpoA, glycosyltransferase group 1	<i>L. casei</i> : 100	80.47–80.86	100
		<i>L. paracasei</i> : 100	78.52–78.91	100
		<i>L. rhamnosus</i> : 100	98.25–100	100
		<i>L. zaeae</i> : 100	80.27–80.66	100
LGG_00827	Flippase-like domain containing protein	<i>L. casei</i> : 100	80.72–81.02	99
		<i>L. paracasei</i> : 100	78.60–79.10	100
		<i>L. rhamnosus</i> : 100	98.62–100	100
		<i>L. zaeae</i> : 100	80.52–81.22	99
LGG_00830	LTA synthase family protein	<i>L. casei</i> : 100	81.05–81.34	98–99
		<i>L. paracasei</i> : 100	79.07–79.60	99
		<i>L. rhamnosus</i> : 100	98.62–100	100
		<i>L. zaeae</i> : 100	81.09–81.29	99
LGG_00851	Polysaccharide biosynthesis protein, transport membrane protein	<i>L. casei</i> : 100	81.82–81.95	100
		<i>L. paracasei</i> : 100	79.93–83.35	100
		<i>L. rhamnosus</i> : 100	98.18–100	100
		<i>L. zaeae</i> : 100	81.46	100
LGG_00914	LiaX, daptomycin-sensing surface protein, virulence factor	<i>L. casei</i> : 100	80.12–80.46	99
		<i>L. paracasei</i> : 100	78.48–78.81	100
		<i>L. rhamnosus</i> : 100	98.05–100	100
		<i>L. zaeae</i> : 100	80.59–80.86	99
LGG_00998	ArbX, lipopolysaccharide biosynthesis glycosyltransferase	<i>L. casei</i> : 100	75.95–76.55	100
		<i>L. paracasei</i> : 100	72.50–72.86	99
		<i>L. rhamnosus</i> : 100	97.86–100	100
		<i>L. zaeae</i> : 100	76.44	99
LGG_00999	ArbY, lipopolysaccharide biosynthesis glycosyltransferase	<i>L. casei</i> : 100	77.46–78.31	98
		<i>L. paracasei</i> : 100	74.74–75.5	98
		<i>L. rhamnosus</i> : 100	96.97–100	100
		<i>L. zaeae</i> : 100	77.25–77.35	98
LGG_01002	SpdI family membrane protein, immunity protein that protects toxin-producing cells from being killed	<i>L. casei</i> : 100	79.80–80.81	100
		<i>L. paracasei</i> : 100	75.00–76.52	100
		<i>L. rhamnosus</i> : 100	100	98.99–100

		<i>L. zeae</i> : 100	80.05–81.06	100
LGG_01057	Glycosyltransferase group 2	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	77.66–78.33 73.18–74.36 95.32–100 77.76–77.85	99 95 100 99
LGG_01066	YhfO family protein, possible glycosyltransferase of the PTM group	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	71.45–71.92 71.94–72.54 96.90–100 71.39–71.60	93–97 95–97 100 93
LGG_01069	GtrB, glycosyltransferase group 2	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	75.73–77.25 76.82–77.58 96.77–100 75.16–75.76	98–99 99 100 98
LGG_01147	Glycosyltransferase group 1, also on plasmid for 5 <i>L. paracasei</i> strains	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	81.01–81.79 78.12–78.72 97.77–100 80.84–81.19	100 100 100 100
LGG_01366	Lipopolysaccharide assembly LapA domain containing protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	76.76–77.37 75.59–76.25 97.55–100 77.98	100 91 99–100 100
LGG_01450	FbpA, fibronectin binding protein A	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	80.36–80.58 78.86–78.33 97.77–100 80.40–80.81	100 99 100 100
LGG_01538	Glycosyltransferase group 2, phage related	<i>L. casei</i> : 40 <i>L. paracasei</i> : 1 <i>L. rhamnosus</i> : 27 <i>L. zeae</i> : 0	99.47 99.73 99.60–100	99 99 99–100
LGG_01586	YohH, glycosyltransferase, group 1	<i>L. casei</i> : 100 <i>L. paracasei</i> : 32.7 <i>L. rhamnosus</i> : 100	65.09–66.84 77.20–77.40 75.39–100	36–55 99 99–100

		<i>L. zeae</i> : 100	64.81–64.98	49
LGG_01587	YohJ, glycosyltransferase, group 1	<i>L. casei</i> : 0 <i>L. paracasei</i> : 32.7 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	75.72–77.71 70.55–100	94–99 89–100
LGG_01589	CAP superfamily, cysteine-rich secretory proteins, antigen 5 and pathogenesis-related, surface-docked cell-binding protein SpcA	<i>L. casei</i> : 0 <i>L. paracasei</i> : 28 <i>L. rhamnosus</i> : 84 <i>L. zeae</i> : 0	69.05–69.12 95.75–100	56 88–100
LGG_01590	Ig-like protein, fibrinogen-binding MSCRAMM adhesin Fss2	<i>L. casei</i> : 0 <i>L. paracasei</i> : 28 <i>L. rhamnosus</i> : 93 <i>L. zeae</i> : 0	67.50 97.08–100	83 100
LGG_01591	KxYKxGKxW signal peptide domain-containing protein, FliK family flagellar hook-length control protein, Ig-like domain containing protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 34 <i>L. rhamnosus</i> : 93 <i>L. zeae</i> : 100	65.50–68.34 70.65–70.98 97.43–100 66.73–67.2	22–28 63–78 100 21–25
LGG_01592	SpcB, Ser-Ala-175 repeat glycoprotein adhesin SpcB, docking protein that forms a complex on the surface with the SpcA protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 34 <i>L. rhamnosus</i> : 93 <i>L. zeae</i> : 0	66.84–67.47 96.14–100	82–97 99–100
LGG_01765	WxL domain containing protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	95.56–100 64.59–65.25	100 88
LGG_01827	AI-2E family transporter, involvement in biofilm formation	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	79.32–80.34 77.48–78.02 98.56–100 79.49–79.58	100 93 100 100
LGG_01865	MabA conserved extracellular matrix binding protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 100	65.78–66.15 90.02–100	93–95 100

		<i>L. zeae</i> : 100	66.27–66.40	93–95
LGG_01877	FeoB, membrane protein essential for Fe(II) uptake in prokaryotes	<i>L. casei</i> : 60 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	78.24–79.41 71.76–72.35 98.25–100 78.24–78.36	99 99 100 99-100
LGG_01883	MucBP mucus binding domain-containing protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	70.70–71.34 66.81–67.86 97.75–100 70.91	96 96 100 96
LGG_01990*	Polysaccharide deacetylase	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	75.81–76.32 72.16–72.78 71.85–100 74.39–75	69 69–72 68–100 69–71
LGG_02016	Surface antigen NLP/P60, C40 family peptidase	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	76.89–77.92 70.66–71.57 97.50–100 77.31–77.72	100 100 100 100
LGG_02036*	Wzb, Capsular polysaccharide biosynthesis protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	81.26–82.18 80.65–82.07 90.21–100 81.78–82.44	99 99–100 100 99
LGG_02144	GtcA, cell wall teichoic acid glycosylation protein, putative flippase	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	81.71–81.95 77.53–79.26 97.81–100 80 – 80.98	99 98 100 99
LGG_02282	LPXTG cell wall anchor domain-containing protein, KxYKxGKxW signal peptide domain-containing protein, peptidase, cell surface protein, fibrinogen binding	<i>L. casei</i> : 100 <i>L. paracasei</i> : 0 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	65.80–66.77 95.54–100 66.05–68.08	91 100 73–89
LGG_02337	MucBP mucin binding domain-containing protein, InIJ internalin	<i>L. casei</i> : 100 <i>L. paracasei</i> : 30 <i>L. rhamnosus</i> : 100	63.62–65.23 67.86 – 69.9 96.65–100	52–57 31–34 99–100

		<i>L. zeae</i> : 100	64.15–64.55	48–60
LGG_02369	SrtC2, sortase C	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	70.49–71.00 95.36–100	95 99–100
LGG_02370	SpaH/EbpB family LPXTG-anchored major pilin, SpaD	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	69.88–70.39 96.27–100	95–99 100
LGG_02371	SpaE, pilus specific protein, minor backbone protein	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	80–85 97.71–100	72.86–73.88 100
LGG_02372	LPXTG cell wall anchor domain-containing protein, SpaF, pilus specific protein, ancillary protein involved in adhesion	<i>L. casei</i> : 0 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 0	66.08–70.17 96.48–100	67–82 100
LGG_02423	PsaA, putative adhesion lipoprotein, zinc ABC transporter, surface adhesin	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	80.64–80.75 78.35–78.81 98.04–100 80.75–80.97	99 98 100 99
LGG_02426	PsaA, putative adhesion lipoprotein, zinc ABC transporter, surface adhesin	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	75.69–76.35 75.85–76.53 98.67–100 75.91–75.94	100 87–98 100 100
LGG_02520	Polysaccharide transport membrane protein	<i>L. casei</i> : 100 <i>L. paracasei</i> : 100 <i>L. rhamnosus</i> : 100 <i>L. zeae</i> : 100	76.88–77.41 75.52–76.03 97.84–100 75.98	100 100 100 100
LGG_02652	α -L-fucosidase	<i>L. casei</i> : 14 <i>L. paracasei</i> : 58 <i>L. rhamnosus</i> : 44	77.22 78.12–78.30 98.08–100	99 99 100

		<i>L. zeae</i> : 50	75.05	99
LGG_02734	Cell envelope-associated proteinase, lactocepin PrtR	<i>L. casei</i> : 100	77.85–78.91	36–86
		<i>L. paracasei</i> : 0		
		<i>L. rhamnosus</i> : 100	96.28–100	100
		<i>L. zeae</i> : 100	76.51–78.46	88–95
LGG_02869	Glycosyltransferase group 1	<i>L. casei</i> : 100	81.99–82.35	98
		<i>L. paracasei</i> : 100	77.33–78.45	99
		<i>L. rhamnosus</i> : 100	96.93–100	100
		<i>L. zeae</i> : 50	81.62–82.44	98
LGG_02923	Adhesion exoprotein	<i>L. casei</i> : 0		
		<i>L. paracasei</i> : 100	67.64–70.58	44–78
		<i>L. rhamnosus</i> : 94	76.69–100	99–100
		<i>L. zeae</i> : 0		

* initial ORF in EPS production gene clusters variable in gene presence/absence, succession and function as shown in Figure 1.