

**Table S5:** Unintended products generated by the primer pairs designed to detect *Lp. plantarum* L125 and *Lp. pentosus* L33 in other bacteria.

Primer code	Unintended products (Size in bp)
L125 6.2F/R	<i>Massilia cavernae</i> K1S02-61 (2125)
L125 10.16F/R	<i>Paenibacillus silvestris</i> 5J-6 (3537)
	<i>Maridesulfovibrio zosterae</i> DSM 11974 (2525)
	<i>Eoetvoesiella caeni</i> DSM 25520 (254)
	<i>Desulfosarcina cetonica</i> JCM 12296 (1956)
	<i>Pedobacter foliorum</i> LMG 31463 (2279)
	<i>Neobacillus fumarioli</i> NBRC 102428 (3192)
L125 12.1F/R	<i>Moorella sulf tireducens</i> SLA38 2 (2996)
L33 2.2F/R	None
L33 6.5F/R	<i>Tetragenococcus koreensis</i> KCTC 3924 (149)
	<i>Desulfonatronovibrio magnus</i> AHT22 LZ23 (591)
	<i>Deinococcus ficus</i> CC-FR2-10 (3190 & 2059)
	<i>Gramella crocea</i> YB25 23 (1750)
	<i>Gracilibacillus salitolerans</i> SCU50 (1120)
	<i>Leptolyngbya ohadii</i> IS1 (790)
	<i>Lactiplantibacillus pentosus</i> KW1 (380)
	<i>Geobacter</i> sp. DSM 9736 (3336)
L33 9.8F/R	<i>Mycobacterium shinjukuense</i> JCM 14233 (3176)
	<i>Dyella flava</i> DHOC52 (3434)
	<i>Pelagicoccus enzymogenes</i> NFK12 191 (3906)
	<i>Alkaliflexus imshenetskii</i> DSM 15055 (3591)
	<i>Taibaiella chishuiensis</i> CGMCC (1902)
	<i>Candidatus Viridilinea mediisalina</i> Kir15-3F (3057)
	<i>Planococcus donghaensis</i> DSM 22276 (1277)
	<i>Cognaticolwellia aestuarii</i> CGMCC1.6965 (781)
	<i>Mucilaginibacter roseus</i> LMG 28454 (947)
	<i>Lactococcus hodotermopsidis</i> Hs30E4-3 (3451)
	<i>Chryseobacterium manosquense</i> Marseille-Q2069 (2062)
	<i>Leptospira montravelensis</i> 201800278 (2254)
	<i>Levilactobacillus brevis</i> NSMJ23 plasmid pLBN-3 (245)