

Table S4. Orthologous genes shared between *L. plantarum* WCFS1 and other thirty-nine strains on region 2 of the lifestyle island. Strains showed less than 10 OGs were not represented.

Organism name	OGs	G+C %
<i>L. plantarum</i> 10CH	31	43.4
<i>L. plantarum</i> 5-2	56	41.7
<i>L. plantarum</i> ATCC 8014	65	41.8
<i>L. plantarum</i> B21	56	41.8
<i>L. plantarum</i> BDGP2	38	41.3
<i>L. plantarum</i> C410L1	17	44.9
<i>L. plantarum</i> CAUH2	39	41.3
<i>L. plantarum</i> CLP0611	31	40.8
<i>L. plantarum</i> DF	39	41.3
<i>L. plantarum</i> dm	39	41.3
<i>L. plantarum</i> DOMLa	65	41.9
<i>L. plantarum</i> GB-LP1	24	44.1
<i>L. plantarum</i> HFC8	20	44.8
<i>L. plantarum</i> JBE245	56	41.7
<i>L. plantarum</i> JBE490	14	43.8
<i>L. plantarum</i> JDM1	65	41.9
<i>L. plantarum</i> KLDS1.0391	20	44.2
<i>L. plantarum</i> KP	39	41.3
<i>L. plantarum</i> LM1004	28	44.2
<i>L. plantarum</i> LP3	42	40.2
<i>L. plantarum</i> LPL-1	34	40.2
<i>L. plantarum</i> LY-78	30	41.1
<i>L. plantarum</i> LZ206	24	44.1
<i>L. plantarum</i> LZ227	24	44.1
<i>L. plantarum</i> MF1298	31	43.4
<i>L. plantarum</i> NCU116	59	41.6
<i>L. plantarum</i> PC520	39	41.3
<i>L. plantarum</i> SRCM102022	60	41.6
<i>L. plantarum</i> TMW 1.25	25	44.3
<i>L. plantarum</i> TMW 1.277	25	44.3
<i>L. plantarum</i> TMW 1.708	28	42.9
<i>L. plantarum</i> TMW 1.1623	55	41.6
<i>L. plantarum</i> WCFS1	179	41.9
<i>L. plantarum</i> X7021	28	40.2
<i>L. plantarum</i> Zhang-LL	18	43.4
<i>L. plantarum</i> ZJ316	24	44.1
<i>L. plantarum</i> ZS2058	37	40.5
<i>L. plantarum</i> subsp. <i>plantarum</i> CGMCC 1.557	31	40.8
<i>L. plantarum</i> subsp. <i>plantarum</i> P-8	24	44.4

*L. plantarum* subsp. *plantarum* TS12

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41.4