

Table S2 Genome fundamental features of strains RD2P54^T, M1R5S18^T, and M1R5S59^T and their relatives

No.	Strains	Accession number	Genome size (bp)	Number of contigs	DNA G+C content (%)	Number of CDS	rRNAs	tRNAs
1	RD2P54 ^T	JARXRM01	4,193,932	46	71.3	3,513	3	47
2	M1R5S18 ^T	JARXRN01	3,898,385	29	71.3	3,315	3	48
3	M1R5S59 ^T	JARXRO01	3,959,197	20	70.6	3,356	3	46
4	<i>L. saliphila</i> SJ-9 ^T	JAETWA01	4,647,522	48	69.3	4,178	6	53
5	' <i>L. viscosa</i> ' XBU10 ^T	VTFT01	4,169,055	9	69.9	3,626	3	51
6	<i>L. wenzhouensis</i> YD-1 ^T	VOHE01	3,443,522	20	71.8	3,032	3	49
7	<i>L. marina</i> FR1330 ^T	VOHK01	3,910,508	21	69.3	3,433	3	54
8	<i>L. composti</i> DSM 19790 ^T	JARYGX01	3,708,029	32	70.7	3,356	12	55
9	<i>L. salinisoli</i> SJ-92 ^T	JACCKA01	4,295,921	86	70.4	3,926	3	49
10	<i>L. aquatica</i> RIB1-20 ^T	JALBFU01	3,825,884	52	69.8	3,393	3	47
11	<i>L. huabeiensis</i> HB2 ^T	JAAN01	4,295,921	86	71.6	3,850	3	59
12	<i>L. aestuarii</i> B9 ^T	SMTF01	3,727,962	37	67.6	3,400	3	51
13	<i>L. terrae</i> JCM 30122 ^T	SMTG01	3,569,262	15	68.5	3,221	4	52
14	<i>L. deserti</i> SJ-16 ^T	JACCJZ01	3,726,879	20	69.3	3,290	12	62
15	<i>L. abyssi</i> XH031 ^T	JUKH01	3,980,899	36	69.3	3,446	6	56
16	<i>L. arsenica</i> 26-35 ^T	SJRW01	2,965,592	7	70.2	2,728	3	48
17	<i>L. cucumeris</i> CGMCC 1.10821 ^T	VLKN01	3,552,091	26	66.1	3,246	3	49
18	<i>L. gilva</i> H23 ^T	SZUA01	3,632,536	4	65.9	3,366	3	45
19	<i>L. rhizosphaerae</i> 4-12 ^T	NRQR01	3,643,456	34	69.6	3,379	3	54

20	<i>'L. fraxinea'</i> D4P002 ^T	CP089507	4,008,283	1	66.8	3,626	6	55
21	<i>L. galliterrae</i> SX5 ^T	JAMBEP01	3,599,217	11	65.7	3,223	3	49
22	<i>L.mephitis</i> DSM 12574 ^T	AULN01	3,415,856	20	68.5	3,064	3	50
23	<i>L.padinae</i> KCTC 52403 ^T	BMZT01	3,117,387	35	70.4	2,846	2	50
24	<i>L. terricola</i> BZ92 ^{rT}	SJRX01	3,039,636	20	69.3	2,813	3	49