Supplementary material 1. Phenotypic characteristics of isolate G-4

Test	Results
Gram staining	Gram positive rods
Colony morphology	White small colonies
Oxigen preferences	
Growth in aerobic conditions	+
Growth in anaerobic conditions	+
Growth in medium with NaN_3 (0.02 %)	+
Osmotyc pressure	
Growth with 2.0 % NaCl	+
Growth with 4.0 % NaCl	+
Growth with 6.5 % NaCl	±
Production of gas from glucose	+
Production of ammonia from arginine	+
Coagulase test	+
Catalase test	-
Hemolysis test	-
Growth at pH 4	+
Temperature range	
15 ºC	+
37 ºC	+
40 ºC	+
45 ºC	+
50 ºC	-

Supplementary 2: API 50 CH profile G4 isolate

No	Substrate	Result
Control	/	-
1	GLY	-
2	ERY	-
3	DARA	-
4	LARA	-
5	RIB	+
6	DXYL	-
7	LXYL	-
8	ADO	-
9	MDX	-
10	GAL	+
11	GLU	+
12	FRU	+
13	MNE	+
14	SBE	-
15	RHA	-
16	DUL	-
17	INO	-
18	MAN	-
19	SOR	-
20	MDM	-
21	MDG	-
22	NAG	+
23	AMY	-
24	ARB	-
25	ESC	+
26	SAL	-
27	CEL	+
28	MAL	+
29	LAC	+
30	MEL	+
31	SAC	+
32	TRE	-
33	INU	-
34	MLZ	-
35	RAF	+
36	AMD	-
37	GLYG	-
38	XLT	-
39	GEN	-
40	TUR	-
41	LYX	-
42	TAG	-
43	DFUC	-
44	LFUC	-
45	DARL	-
46	LARL	-
47	GNT	+
48	2KG	-
49	5KG	-

Supplementary 3. G4 complete sequence16S rDNA

GGCCGACGTGGGCTATCTGCAGTCGAAGCGTTGGCCCATTGATTGATGGTGCTTGCACCTGA
TTGATTTTGGTCGCCAACGAGTGGCGGACGGGTGAGTAACACGTAGGTAACCTGCCCAGAA
GCGGGGGACAACATTTGGAAACAGATGCTAATACCGCATAACAACGTTGTTCGCATGAACA
ACGCTTAAAAGATGGCTTCTCGCTATCACTTCTGGATGGACCTGCGGTGCATTAGCTTGTTGG
TGGGGTAATGGCCTACCAAGGCGATGATGCATAGCCGAGTTGAGAGACTGATCGGCCACAA
TGGGACTGAGACACGGCCCATACTCCTACGGGAGGCAGCAGTAGGGAATCTTCCACAATGG
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TTGTTAAAGAAGAACACGTATGAGAGTAACTGTTCATACGTTGACGGTATTTAACCAGAAAG
TCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTT
ATTGGGCGTAAAGAGAGTGCAGGCGGTTTTCTAAGTCTGATGTGAAAGCCTTCGGCTTAACC
GGAGAAGTGCATCGGAAACTGGATAACTTGAGTGCAGAAGAGGGTAGTGGAACTCCATGTG
TAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTACCTGGTCTG
CAACTGACGCTGAGACTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCA
TGCCGTAAACGATGAGTGCTAGGTGTTGGAGGGTTTCCGCCCTTCAGTGCCGGAGCTAACGC
ATTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGG
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TGACATCTTGCGCCAACCCTAGAGATAGGGCGTTTCCTTCGGGAACGCAATGACAGGTGGTG
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TGTTACTAGTTGCCAGCATTAAGTTGGGCACTCTAGTGAGACTGCCGGTGACAAACCGGAGG
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GGACGGTACAACGAGTCGCGAACTCGCGAGGGCAAGCAAATCTCTTAAAACCGTTCTCAGT
TCGGACTGCAGGCTGCAACTCGCCTGCACGAAGTCGGAATCGCTAGTAATCGCGGATCAGC
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AACACCCAAAGTCGGTGGGGTATCCTTTTAGGAGCCAGCCGCCTAAGGTGGGACAGAGATT
AGGGAAGTCAACAGAGCGCCGAAAA