

Article

Characterization and Antibiotic Resistance of *Listeria monocytogenes* Strains Isolated from Greek Myzithra Soft Whey Cheese and Related Food Processing Surfaces Over Two- and Half-Years of Safety Monitoring in a Cheese Processing Facility

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Supplementary Material

Table S1. *Listeria monocytogenes* strains used in the study.

Strain No.	AAL code ¹	PCR-sero-group ²	Serotype ²	Sample	Sampling date	Oxidase test	Catalase reaction	Motility at 25 °C	Hemolysis on sheep blood agar	CAMP test	L-Rhamnose utilization	D-Xylose utilization
1	20153	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.11.2016	- ³	+ ⁴	+	+	SA+/RE- ⁵	+	-
2	20158	IIa	1/2a, 3a	Fresh Myzithra cheese	11.11.2016	-	+	+	+	SA+/RE-	+	-
3	20159	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.11.2016	-	+	+	+	SA+/RE-	+	-
4	20172	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	09.12.2016	-	+	+	+	SA+/RE-	+	-
5	20173	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	09.12.2016	-	+	+	+	SA+/RE-	+	-
6	20174	IIa	1/2a, 3a	Fresh Myzithra cheese	09.12.2016	-	+	+	+	SA+/RE-	+	-
7	20180	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	20.12.2016	-	+	+	+	SA+/RE-	+	-

8	20181	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	20.12.2016	-	+	+	+	SA+/RE-	+	-
9	20182	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	20.12.2016	-	+	+	+	SA+/RE-	+	-
10	20183	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	20.12.2016	-	+	+	+	SA+/RE-	+	-
11	20184	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	20.12.2016	-	+	+	+	SA+/RE-	+	-
12	20187	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	10.01.2017	-	+	+	+	SA+/RE-	+	-
13	20396	IIa	1/2a, 3a	Fresh Myzithra cheese	27.01.2018	-	+	+	+	SA+/RE-	+	-
14	20410	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	16.03.2018	-	+	+	+	SA+/RE-	+	-
15	20417	IIa	1/2a, 3a	Fresh Myzithra cheese	27.03.2018	-	+	+	+	SA+/RE-	+	-
16	20446	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.05.2018	-	+	+	+	SA+/RE-	+	-
17	20452	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	29.05.2018	-	+	+	+	SA+/RE-	+	-

18	20453	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	29.05.2018	-	+	+	+	SA+/RE-	+	-
19	20454	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	29.05.2018	-	+	+	+	SA+/RE-	+	-
20	20493	IIa	1/2a, 3a	Dried Myzithra cheese	03.08.2018	-	+	+	+	SA+/RE-	+	-
21	20494	IVb	4b, 4d, 4e	Dried Myzithra cheese	03.08.2018	-	+	+	+	SA+/RE-	+	-
22	20502	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	10.08.2018	-	+	+	+	SA+/RE-	+	-
23	20503	IIa	1/2a, 3a	Fresh Myzithra cheese	10.08.2018	-	+	+	+	SA+/RE-	+	-
24	20506	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	10.08.2018	-	+	+	+	SA+/RE-	+	-
25	20507	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	21.08.2018	-	+	+	+	SA+/RE-	+	-
26	20521	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	21.08.2018	-	+	+	+	SA+/RE-	+	-
27	20527	IIb	1/2b, 3b, 7	Swab from surface No. 8	08.10.2018	-	+	+	+	SA+/RE-	+	-

28	20535	IIB	1/2b, 3b, 7	Dried Myzithra cheese	12.10.2018	-	+	+	+	SA+/RE-	+	-
29	20536	IIB	1/2b, 3b, 7	Dried Myzithra cheese	19.10.2018	-	+	+	+	SA+/RE-	+	-
30	20537	IIB	1/2b, 3b, 7	Fresh Myzithra cheese	19.10.2018	-	+	+	+	SA+/RE-	+	-
31	20548	IIB	1/2b, 3b, 7	Swab from surface No. 26	19.10.2018	-	+	+	+	SA+/RE-	+	-
32	20557	IIB	1/2b, 3b, 7	Swab from surface No. 3	26.10.2018	-	+	+	+	SA+/RE-	+	-
33	20558	IIB	1/2b, 3b, 7	Fresh Myzithra cheese	15.11.2018	-	+	+	+	SA+/RE-	+	-
34	20559	IIB	1/2b, 3b, 7	Fresh Myzithra cheese	23.11.2018	-	+	+	+	SA+/RE-	+	-
35	20560	IIB	1/2b, 3b, 7	Swab from surface No. 6AM	23.11.2018	-	+	+	+	SA+/RE-	+	-
36	20561	IIB	1/2b, 3b, 7	Swab from surface No. 1M	23.11.2018	-	+	+	+	SA+/RE-	+	-
37	20562	Ila	1/2a, 3a	Fresh Myzithra cheese	23.11.2018	-	+	+	+	SA+/RE-	+	-

38	20567	IIb	1/2b, 3b, 7	Dried Myzithra cheese	27.11.2018	-	+	+	+	SA+/RE-	+	-
39	20570	IIb	1/2b, 3b, 7	Dried Myzithra cheese	4.12.2018	-	+	+	+	SA+/RE-	+	-
40	20571	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.12.2018	-	+	+	+	SA+/RE-	+	-
41	20572	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.12.2018	-	+	+	+	SA+/RE-	+	-
42	20580	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.12.2018	-	+	+	+	SA+/RE-	+	-
43	20584	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	11.12.2018	-	+	+	+	SA+/RE-	+	-
44	20585	IIa	1/2a, 3a	Swab from surface No. 4	18.12.2018	-	+	+	+	SA+/RE-	+	-
45	20620	IIb	1/2b, 3b, 7	Dried Myzithra cheese	18.12.2018	-	+	+	+	SA+/RE-	+	-
46	20640	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	01.03.2019	-	+	+	+	SA+/RE-	+	-
47	20650	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	09.04.2019	-	+	+	+	SA+/RE-	+	-

48	20657	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	03.05.2019	-	+	+	+	SA+/RE-	+	-
49	20658	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	15.05.2019	-	+	+	+	SA+/RE-	+	-
50	20659	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	15.05.2019	-	+	+	+	SA+/RE-	+	-
51	20660	IIa	1/2a, 3a	Fresh Myzithra cheese	15.05.2019	-	+	+	+	SA+/RE-	+	-
52	20716	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	15.05.2019	-	+	+	+	SA+/RE-	+	-
53	20717	IIb	1/2b, 3b, 7	Fresh Myzithra cheese	02.07.2019	-	+	+	+	SA+/RE-	+	-
54	20734	IIb	1/2b, 3b, 7	Dried Myzithra cheese	02.07.2019	-	+	+	+	SA+/RE-	+	-

¹ AAL: Eurofins Athens Analysis Laboratories S.A.; Microbiology Laboratory, Metamorfosi, Attica, Greece.

² PCR-serogroup and serotype designation of *L. monocytogenes* performed *in silico* using Bionumerics version 8.1.1. (<https://www.applied-maths.com/bionumerics>).

³ -: negative reaction/result.

⁴ +: positive reaction/result.

⁵ SA+/RE-: positive reaction with *Staphylococcus aureus* and negative reaction with *Rhodococcus equi* (CAMP test).

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