



Research article

Genetic diversity of *Listeria monocytogenes* from seafood products, its processing environment, and clinical origin in the Western Cape, South Africa using whole genome sequencing

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Supplementary

Table S1. Factory origin, lineage type, genes conferring sanitiser tolerance, and antibiotic susceptibility profiles of 46 *L. monocytogenes* isolates from seafood products, the FPE and clinical isolates in the Western Cape, South Africa.

Dates	Origin ^a	Description	Factory origin	<i>hly</i> gene	Lineage	<i>emrC</i> gene ^b	<i>bcrABC</i> gene ^b	Phenotypic resistance ^c	antibiotic
27/05/2019	Food	Cold smoke trout ribbons	A	+	II				
04/11/2019	Food	Salmon ribbons	Seafood smokehouse	+	II				
19/11/2021	Food	Salmon ribbons		+	II				
01/03/2019	Food	Fish	B	+	I		+		
01/03/2019	Food	Fish	Seafood Processing and Manufacturing	+	I				
29/05/2019	Food	Fish		+	I	+			
24/08/2022	Food	Trout offcuts		+	II				
31/08/2022	Food	Trout slices		+	II		+		
25/11/2021	Food	Smoked trout roulades	C	+	I			TE, SXT	
25/11/2021	Food	Smoked trout terrine	Condiment/RTE Food Manufacturer and Distributor	+	II		+		
23/02/2019	Environment	Fish room floor		+	II		+		
11/08/2022	Environment	Smoking room drain		+	I		+		
14/09/2022	Food	Salmon pate		+	II				
05/09/2019	Food	Salmon portion	D	+	II				
30/08/2019	Food	Sea bass fish fillet	Boutique retailer	+	II				
05/09/2019	Food	Oysters		+	II				
28/10/2021	Food	Cold smoke salmon	E	+	II				
23/11/2021	Food	Trout slices	Salmon Processing and Manufacturing	+	II				
16/11/2021	Food	Salmon fillet		+	II		+		
26/10/2021	Food	Trout offcuts		+	II				
11/11/2021	Environment	Salmon room drain		+	II		+		
11/11/2021	Environment	Drain offcuts		+	II				

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Dates	Origin ^a	Description	Factory origin	<i>hly</i> gene	Lineage	<i>emrC</i> gene ^b	<i>bcrABC</i> gene ^b	Phenotypic antibiotic resistance ^c
17/11/2021	Food	Salmon slices		+	II		+	SXT
17/11/2021	Food	Trout slices		+	II		+	
23/11/2021	Food	Trout strips		+	II		+	
23/11/2021	Food	Salmon strips		+	II		+	
08/08/2021	Food	Trout		+	II		+	
20/07/2021	Food	Trout	E	+	II		+	
06/09/2021	Food	Salmon	Salmon Processing and Manufacturing	+	II		+	
23/09/2021	Food	Tuna		+	II		+	
08/07/2021	Food	Trout		+	II		+	
08/07/2021	Food	Salmon		+	II		+	
06/08/2021	Food	Salmon		+	II		+	
17/08/2021	Environment	Smoker room Drain swab	F	+	II		+	
17/09/2021	Environment	Smoker room Drain swab	Meat Processing Facility (Various)	+	II		+	
26/10/2018	Food	Fresh hake	G	+	I			E
26/10/2018	Food	Fresh hake	Seafood Manufacturing Facility	+	I			C
26/10/2018	Food	Fresh hake		+	II			TE
May 2019	Clinical	Clinical 1	H	+	I			SXT
Jun/Jul 2019	Clinical	Clinical 2	NHLS	+	I			
Jun/Jul 2019	Clinical	Clinical 3		+	I			SXT
Jun/Jul 2019	Clinical	Clinical 4		+	I			SXT
Jun/Jul 2019	Clinical	Clinical 5		+	I			
Aug/Sept 2019	Clinical	Clinical 6		+	I			
Aug/Sept 2019	Clinical	Clinical 8		+	I			
Dec 2019	Clinical	Clinical 9		+	I			

^a**Isolates in bold were selected for WGS**

^b Sanitiser resistance genes information (by PCR) was not available at the point of selecting isolates for WGS

^c **C**: Chloramphenicol; **E**: Erythromycin; **SXT**: Sulphamethoxazole/Trimethoprim; **TE**: Tetracycline



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