

First Insights on Resistance and Virulence Potential of *Escherichia coli* from Captive Birds of Prey in Portugal

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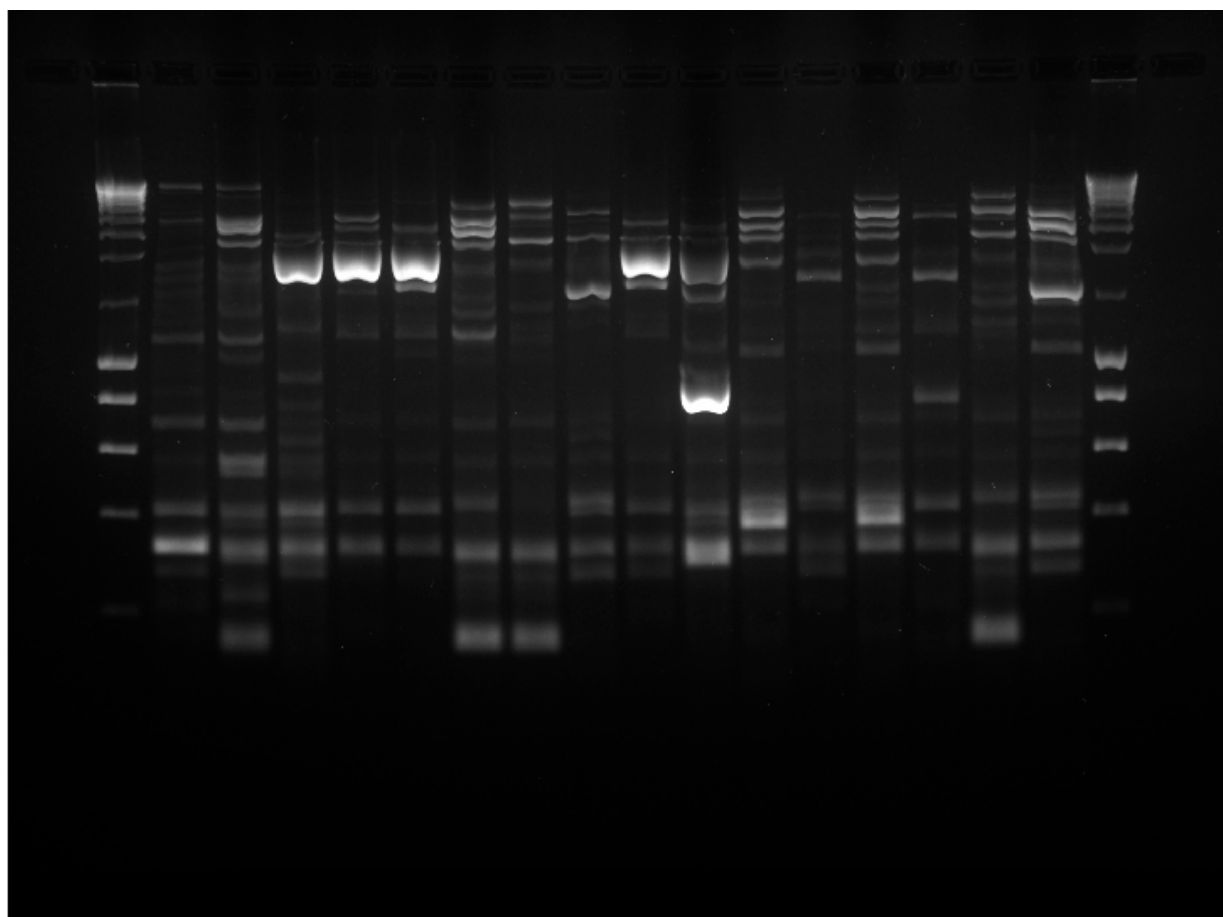


Figure S1. Full scan of the entire original gel in Figure 2 representing ERIC-PCR fingerprinting profiles of 16 *E. coli* isolates under study.

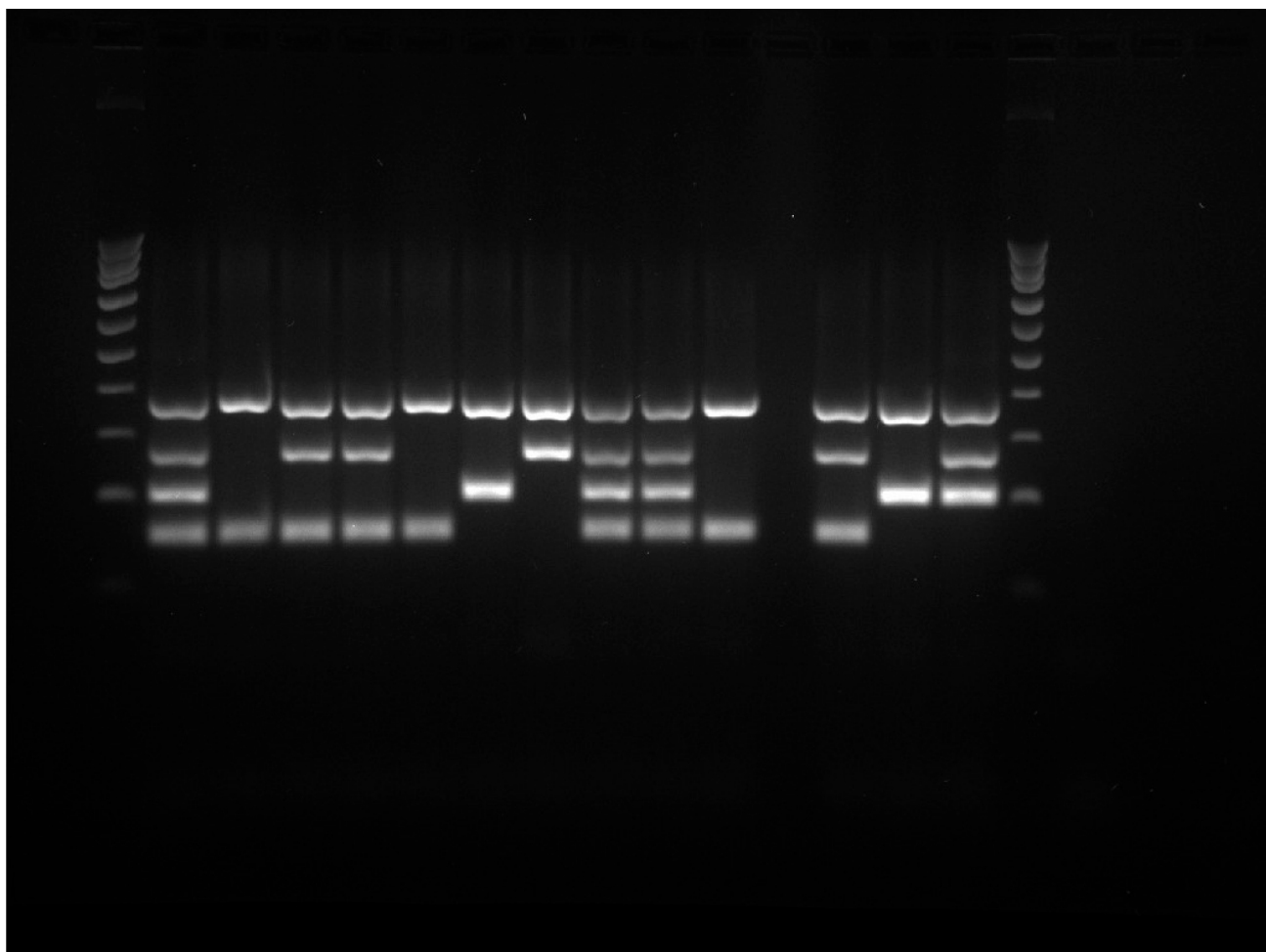


Figure S2. Full scan of the entire original gel in Figure 4 representing quadruplex PCR profiles of 10 *E. coli* isolates.

Table S1. Data on the sampled animals (n=27).

Sample ID	Sex	Species	Age	Collection Date	Sampling District
1	F	<i>Parabuteo unicinctus</i>	Adult	29/12/2022	Lisboa
2	F	<i>Parabuteo unicinctus</i>	Adult	29/12/2022	Lisboa
3	M	<i>Parabuteo unicinctus</i>	Adult	29/12/2022	Lisboa
4	M	<i>Parabuteo unicinctus</i>	Juvenile	29/12/2022	Lisboa
5	M	<i>Parabuteo unicinctus</i>	Adult	29/12/2022	Lisboa
6	M	<i>Parabuteo unicinctus</i>	Adult	08/01/2023	Santarém
7	M	<i>Falco tinnunculus</i>	Adult	08/01/2023	Santarém
8	F	<i>Falco tinnunculus</i>	Adult	08/01/2023	Santarém
9	?	<i>Bubo virginianus</i>	Adult	08/01/2023	Faro
10	?	<i>Bubo bengalensis</i>	Adult	08/01/2023	Faro
11	M	<i>Bubo bubo</i>	Adult	08/01/2023	Faro
12	?	<i>Tyto alba</i>	Adult	08/01/2023	Faro
13	M	<i>Bubo bubo</i>	Adult	08/01/2023	Faro
14	M	<i>Parabuteo unicinctus</i>	Adult	08/01/2023	Faro
15	F	<i>Parabuteo unicinctus</i>	Adult	08/01/2023	Faro
16	M	<i>Parabuteo unicinctus</i>	Juvenile	08/01/2023	Faro
17	?	<i>Ptilopsis leucotis</i>	Adult	08/01/2023	Faro
18	M	<i>Uruba aura</i>	Adult	08/01/2023	Faro
19	?	<i>Falco tinnunculus</i>	Juvenile	08/01/2023	Faro
20	F	<i>Parabuteo unicinctus</i>	Adult	29/12/2022	Lisboa
21	M	<i>Parabuteo unicinctus</i>	Juvenile	29/12/2022	Setúbal
22	F	<i>Bubo bubo</i>	Juvenile	29/12/2022	Setúbal
23	M	<i>Bubo bubo</i>	Adult	29/12/2022	Setúbal
24	F	<i>Falco biarmicus</i>	Juvenile	29/12/2022	Setúbal
25	F	<i>Falco tinnunculus</i>	Juvenile	29/12/2022	Setúbal
26	F	<i>Tyto alba</i>	Juvenile	29/12/2022	Setúbal
27	F	<i>Strix aluco</i>	Adult	29/12/2022	Setúbal

Female (F), Male (M), No data (?).

Table S2. Results of the Isolates' Virulence (n=84) and Resistance Profiles and Phylogenetic Group (n=33).

Isolate	Virulence Profile		Resistance Profile			Phylogenetic Group	
	Positive Results	Virulence index	I	R	MAR index		
1.3	G; BW	0.333	CL	-	0	Negative	B2
2.1	G; BM	0.333	-	TE; DO	0.222	Negative	B1
2.3	G	0.167	CL; ENR	PRL	0.111	Negative	D
3.1	G	0.167	CL; ENR	-	0	Negative	D
3.4	G	0.167	AMC; CL	TE; ENR; M; DO; SXT; PRL	0.667	Negative	B1
5.2	G	0.167	-	PRL	0.111	Negative	A
6.1	G; BW	0.333	-	-	0	Negative	D
6.2	G; BS	0.333	AMC	TE; CL; DO; PRL	0.444	Negative	B2
6.4	G	0.167	ENR	TE; CL; DO; PRL	0.444	Negative	B2
8.1	G; BM	0.333	AMC; CL	-	0	Negative	B1
11.3	G; BM	0.333	CL	-	0	Negative	B1
12.2	G; BW	0.333	-	-	0	Negative	D
12.3	G; BS	0.333	CL	PRL	0.111	Negative	B2
13.1	-	0	AMC; CL	ENR; M; PRL	0.333	Negative	D
13.4	G; BW	0.333	-	TE; DO; PRL	0.333	Negative	A
14.1	G; BS	0.333	CL	-	0	Negative	B2
14.2	G; BS	0.333	CL	-	0	Negative	B2
14.3	G; BS	0.333	-	-	0	Negative	B2
15.2	G; BM	0.333	CL	-	0	Negative	B1
15.3	G	0.167	CL	TE; ENR; M; DO; SXT; PRL	0.667	Negative	D
16.1	G	0.333	-	CL; PRL	0.222	Positive	D
16.4	G	0.333	-	CL; PRL	0.222	Positive	D
17.2	G	0.167	ENR	TE; DO; SXT; PRL	0.444	Negative	A
17.4	G	0.167	DO	TE; SXT; PRL	0.333	Negative	A
18.2	G; BS	0.333	CL	TE; DO	0.222	Negative	B1
19.3	H; G; BS	0.500	AMC; CL	TE; DO; CN; PRL	0.444	Negative	B1
21.2	G	0.167	CL	-	0	Negative	B1
21.3	G	0.167	-	TE; DO	0.222	Negative	B2
22.1	H; G	0.333	ENR	-	0	Negative	D
26.1	H; G	0.333	CL	-	0	Negative	D
26.2	H	0.167	CL	-	0	Negative	D
26.3	H	0.167	CL	-	0	Negative	D
27.3	H	0.167	CL	-	0	Negative	B2

Haemolysin production (H); Gelatinase activity (G); Biofilm weak production (BW); Biofilm moderate production (BM); Biofilm strong production (BS); Resistance (R); Intermediate susceptibility (I); Tetracycline (TE); Gentamicin (CN); Amoxicillin/Clavulanic Acid (AMC), Cephalexin (CL), Enrofloxacin (ENR), Trimethoprim/Sulfamethoxazole (SXT); Piperacillin (PRL); Doxycycline (DO); Marbofloxacin (M); Extended Spectrum β -Lactamase production (ESBL); Not found (-).