

Beta-lactamase encoding genes

Strain code	Household member	Timepoint	Phylogroup	Beta-lactamase encoding genes				
				<i>bla</i> _{CTX-M}	<i>bla</i> _{TEM}	<i>bla</i> _{SHV}	<i>bla</i> _{CMY}	Carbapenemase
PT124/1-D1F3E1.1	Dog D1	T2	B2	-	-	-	<i>bla</i> _{CMY-2}	-
PT124/2-D1F3E2	Dog D1	T2	B2	-	-	-	<i>bla</i> _{CMY-2}	-
PT124/1-H1F3E1.1	Human H1	T2	B2	-	-	-	<i>bla</i> _{CMY-2}	-
PT124/2-D1F3E4	Dog D1	T2	B2	-	-	-	<i>bla</i> _{CMY-2}	-
PT121/2-D1F4E1	Dog D1	T2	D	-	-	-	<i>bla</i> _{CMY-2}	-
PT121/2-D1F3E1	Dog D1	T2	D	-	-	-	<i>bla</i> _{CMY-2}	-
PT102/1-H3F3E1	Human H3	T1	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT102/1-H3F3E2	Human H3	T1	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT102/2-H3F3E2	Human H3	T2	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT102/2-H3F3E3	Human H3	T2	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT102/1-H3F3E3	Human H3	T1	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT102/1-H3F3E4	Human H3	T1	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT127/1-H1F3E1	Human H1	T1	B2	<i>bla</i> _{CTX-M-32}	<i>bla</i> _{TEM-1}	-	-	-
PT114/1-H1F3E2	Human H1	T2	A	<i>bla</i> _{CTX-M-32}	-	-	<i>bla</i> _{CMY-2}	-
PT114/1-H1F3E3	Human H1	T2	A	<i>bla</i> _{CTX-M-32}	-	-	<i>bla</i> _{CMY-2}	-
PT117/0-D1F3E1	Dog D1	T0	B1	-	-	<i>bla</i> _{SHV-12}	-	-
PT114/0-H1F3E4	Human H1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	<i>bla</i> _{CMY-2}	-
PT114/1-H1F3E1	Human H1	T2	A	<i>bla</i> _{CTX-M-32}	-	-	-	-
PT102/2-H1F3E1	Human H1	T2	A	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-206}	-	-	-
PT123/2-H1F3E1	Human H1	T3	A	<i>bla</i> _{CTX-M-32}	-	-	-	-
PT121/2-H1F3E1	Human H1	T2	D	<i>bla</i> _{CTX-M-32}	-	-	-	-
PT102/2-H3F3E1	Human H3	T2	B2	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT101/0-H2F3E2	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/0-H2F3E4	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-D1F3E4	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H1F3E1	Human H1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-D1F3E2	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-D1F3E5	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-D1F3E3	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/0-H1F3E2	Human H1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/0-H2F3E3	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/0-H2F3E1	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-H1F3E1	Human H1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-H1F3E2	Human H1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-H1F3E3	Human H1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-H1F3E4	Human H1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-D1F3E4	Dog D1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H1F3E2	Human H1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H1F3E3	Human H1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H2F3E4	Human H2	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/0-H1F3E1	Human H1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-D1F3E1	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H2F3E3	Human H2	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H2F3E1	Human H2	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-D1F3E1	Dog D1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-D1F3E2	Dog D1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/3-D1F3E3	Dog D1	T3	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT101/2-H2F3E2	Human H2	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT124/1-D1F3E1	Dog D1	T1	B2	<i>bla</i> _{CTX-M-55}	-	-	-	-
PT124/1-D1F3E4	Dog D1	T1	B2	<i>bla</i> _{CTX-M-55}	-	-	-	-
PT124/1-D1F3E6	Dog D1	T1	B2	<i>bla</i> _{CTX-M-55}	-	-	-	-
PT124/1-D1F3E5	Dog D1	T1	B2	<i>bla</i> _{CTX-M-55}	-	-	-	-
PT121/0-H1F3E1	Human H1	T1	D	<i>bla</i> _{CTX-M-32}	-	-	-	-
PT123/0-D1F3E1	Dog D1	T0	D	<i>bla</i> _{CTX-M-55}	<i>bla</i> _{TEM-135}	-	-	-
PT114/0-H1F3E1	Human H1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT123/0-D1F4E1	Dog D1	T0	D	<i>bla</i> _{CTX-M-55}	<i>bla</i> _{TEM-135}	<i>bla</i> _{SHV-12}	-	-
PT127/2-D1F3E1	Dog D1	T2	B	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT127/1-D1F3E1	Dog D1	T2	B	<i>bla</i> _{CTX-M-1}	-	-	-	-
PT101/0-D1F3E4	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	-	-	-	-
PT101/0-D1F3E3	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	-	-	-	-
PT121/2-H3F3E1	Human H3	T2	B	<i>bla</i> _{CTX-M-34}	<i>bla</i> _{TEM-1}	-	-	-
PT121/2-H2F3E1	Human H2	T2	B	<i>bla</i> _{CTX-M-34}	<i>bla</i> _{TEM-1}	-	-	-
PT109	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT101/2-D1F4E2	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT101/2-D1F4E3	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT101/2-D1F4E4	Dog D1	T2	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT101/0-D1F4E1	Dog D1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT113	Dog D1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	<i>bla</i> _{OXA-181}
PT110/0-H1F3E1	Human H1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-H1F3E2	Human H1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-H1F3E3	Human H1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-H1F3E4	Human H1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-D1F3E1	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-D1F3E4	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-D1F3E2	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT110/0-D1F3E3	Dog D1	T0	B	<i>bla</i> _{CTX-M-65}	<i>bla</i> _{TEM-1}	-	-	-
PT122/0-H1F3E2	Human H1	T0	B	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-135}	-	-	-
PT122/0-H1F3E3	Human H1	T0	B	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-135}	-	-	-
PT124/2-D1F3E5	Dog D1	T2	B	-	<i>bla</i> _{TEM-1}	-	<i>bla</i> _{CMY-2}	-
PT124/2-D1F3E6	Dog D1	T2	B	-	<i>bla</i> _{TEM-1}	-	<i>bla</i> _{CMY-2}	-
PT104/1-H2F3E1	Human H2	T2	A	<i>bla</i> _{CTX-M-32}	-	-	-	-
PT114/0-H1F3E2	Human H1	T0	A	<i>bla</i> _{CTX-M-15}	-	-	-	-
PT124/1-D1F3E7	Dog D1	T1	B	<i>bla</i> _{CTX-M-55}	-	-	-	-
PT130/0-H2F3E3	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-1}	-	-	-
PT130/0-H2F3E1	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-1}	-	-	-
PT120/1-D1F3E1	Dog D1	T2	B	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-206}	-	-	-
PT130/0-H2F3E2	Human H2	T0	A	<i>bla</i> _{CTX-M-15}	<i>bla</i> _{TEM-1}	-	-	-

Supplementary Figure S2. Dendrogram based on REP-PCR finger-printing data of 87 *Escherichia coli* carriage strains from companion animals with skin and soft tissue infection and their cohabiting humans from Portugal. Image generated by Bionumerics (Applied Maths, Sint-Martens-Latem, Belgium) software. The first five algorithms on the strains' identification represents the household code number. Blue star represents strains selected for WGS; orange stars identified OXA-181 producing strains from household PT101 previously described by our group (Brilhante *et al.*, 2020); '-', negative for the gene.