

## Beta-lactamase encoding genes

		Household						
9 9 9 9 8	Strain code	member	Timepoint	Phylogroup	bla <sub>CTX-M</sub>	bla <sub>TEM</sub>	blastv	bla <sub>CMY</sub>
X	PT205/1 D1F3E1	Dog 1	T1	B1	bla <sub>ctr-w-1</sub>	bla <sub>tin-122</sub>		
	PT202/1 H3F3E2	Human H3	T1	A	blackwa			
П.	PT208/3 H1F3E1	Human H1	T3	D	black-w-15	bla <sub>tin-1</sub>		
	PT208/3 H1F3E2	Human H1	T3	D	black-w-15	bla <sub>tin-1</sub>		
	PT202/0 D1F3E1	Dog D1	TO	A	black-w-r			
1 1	PT202/0 D1F3E2	Dog D1	TO	A	black-w-st			
	PT202/0 D1F3E3	Dog D1	TO	A	bla <sub>Cbr-w-27</sub>			
І Н '	PT202/0 D1F3E4	Dog D1	TO	A	black-w-rr			1.
ч Ч —	PT209/0 D1F3E1	Dog D1	TO:	B2	bla <sub>ctr-w-16</sub>			bla <sub>core</sub> ;
	PT214/3 D1F3E1	Dog D1	T3	B1	bla <sub>Cb-w-65</sub>	$bla_{im-1}$		
	PT218/1 D1F3E1 PT219/0 C1F3E1	Dog D1	T1	B1	bla <sub>ctr-w-1</sub>			
	PT219/0 C1F3E1 PT219/2 H2F3E1	Cat C1 Human H2	T0 T2	A A	hin	$bla_{im-1}$	bla <sub>ser-12</sub>	
	PT218/1 H1F3E1	Human H1	T1	B1	blactows	bla <sub>tin-1</sub>		
	PT221/1 H2F3E1	Human H2	T1	A	black-w-14		bla <sub>ser-16</sub>	
444	PT221/1 H2F3E3	Human H2	T1	A	black-w-14		bla <sub>m-26</sub>	
	PT216/0 D1F3E1	Dog D1	TO	B1	bla <sub>Cb:-M-15</sub>			
	PT219/2 C1F3E1	Cat C1	T2	A		$bla_{im-1}$	bla <sub>inv-12</sub>	
	PT215/0 D1F3E1	Dog D1	TO	A	bla <sub>C3x-M-15</sub>			
	PT202/1 H3F3E1	Human H3	T1	A.	bla <sub>ctr-w-v</sub>			
II d	PT202/1 H3F3E3	Human H3	T1	A	bla <sub>ctr-w-e</sub>			
14	PT216/3 D1F3E1	Dog D1	T3	B1	bla <sub>Cb-M-15</sub>			
	PT215/0 D1F4E1 PV002V0F3H3E1	Dog D1 Human H3	TO T1	A A	bla <sub>ctr-w-15</sub>			bla <sub>core</sub> ;
					bla			ProCW-1
	PV001V1F3H2E2 PV001V1F3H2E4	Human H2 Human H2	T1 T1	A A	bla <sub>cts-w-15</sub> bla <sub>cts-w-15</sub>			
	PV001V1F3H3E2	Human H3	T1	A	black-w-15			
	PV001V1F3H3E3	Human H3	T1	A	bla <sub>cts-m-15</sub>			
	PV001V1F3H3E4	Human H3	T1	A	black-w-15			
	PV001V1F3H2E1	Human H2	T1	A	black-w-15			
1	PV004V2F4H1E1	Human H1	T3	B2	black-w-zz			
	PV004V2F4H1E5	Human H1	T3	B2	bla <sub>Cb:w-27</sub>			
	PV004V2F3H1E3	Human H1	T3	B2	bla <sub>ctr-w-27</sub>			
	PV004V2F3H1E1	Human H1	T3	B2	bla <sub>ctr-w-x?</sub>			
П	PV004V1F4C1E4	Cat C1	T2	B2	bla <sub>Cb:-M-27</sub>			
	PV004V1F3C1E4	Cat C1	T2	B2	bla <sub>ctr-m-x</sub> ;			
	PV004V1F4C1E5	Cat C1	T2	B2	bla <sub>ctr-w-27</sub>			
	PV004V1F3H1E4	Human H1	T2	B2	bla <sub>Cb:-M-27</sub>			
	PV004V1F3H1E5 PV004V1F4H1E4	Human H1 Human H1	T2 T2	B2 B2	bla <sub>ctr-m-27</sub> bla <sub>ctr-m-27</sub>			
	PV004V1F4H1E3	Human H1	T2	B2	bla <sub>Cb-w-11</sub>	,		
	PV004V2F4C1E6	Cat C1	T3	B2	black-w-rr			
	PV004V2F3C1E5	Cat C1	T3	BZ	bla <sub>ck-w-17</sub>			
	PV004V2F3C1E3	Cat C1	T3	B2	black-w-zz			
	PV004V2F3C1E2	Cat C1	T3	B2	black-w-zz			
	PV004V2F4C1E6	Cat C1	T3	B2	bla <sub>ctr-w-27</sub>			
	PV004V1F4H1E2	Humana H1	T2	B2	bla <sub>ctr-w-x?</sub>			
	PV004V1F3C1E2 1		T2	B2	bla <sub>ctr-w-27</sub>			
	PV004V1F3H1E2		T2	B2	bla <sub>ctr-w-27</sub>			
	PV004V1F3H1E3	Human H1	T2	B2 B2	bla <sub>C3x-M-27</sub>			
	PV004V1F4H1E1 PV004V1F3C1E1	Human H1 Cat C1	T2 T2	B2	bla <sub>Cb-w-11</sub>			
	PV004V1F3C1E3	Cat C1	T2	B2 B2	bla <sub>ctr-w-27</sub> bla <sub>ctr-w-27</sub>			
	PV004V1F4C1E1	Cat C1	T2	B2	bla <sub>ctr-w-27</sub>			
d1 1 1	PV004V1F4C1E2	Cat C1	T2	BZ	black-w-rr			
	PV004V1F4C1E3	Cat C1	T2	B2	black-w-rr			
	PV004V2F4C1E5	Cat C1	T3	B2	blacto-se-27			
		Cat C1	T3	B2	bla <sub>ctr-w-x+</sub>			
	PV004V0F3C1E1	Cat C1	TO	82	bla <sub>Cb-w-27</sub>			
	PV004V0F3C1E2 1		TO	B2	bla <sub>ctr-w-27</sub>			
	PV004V0F3C1E4	Cat C1	TO .	B2	bla <sub>Cb-M-27</sub>			
	PV004V1F3H1E1	Human H1	T2	B2	bla <sub>Cb-m-2</sub>			
	PV004V0F3C1E3	Cat C1	TO TO	B2	bla <sub>ctr-m-2?</sub>			
	PV004V0F3C1E5	Cat C1 Human H1	TO TO	B2	bla <sub>ctr-w-2?</sub>			
	PT219/3 H1F3E1		T3 T0	A D	bla <sub>CIX-M-15</sub>	hin.		
	PT223/0 D1F3E1 PT223/0 D1F3E3	Dog 1 Dog 1	TO TO	D	bla <sub>ctr-w-sz</sub>	bla <sub>tin-1</sub>		
	PV003V1F3D1E1 1		10 T1	B1	black-w-sz black-w-ss	blasse-1 blasse-1		
	PV003V2F3D1E1		T2	81	black-was	bla <sub>liw-1</sub>		
	PV003V2F3b1E1 9	Human H2	T3	B1	bla <sub>ctr-w-ss</sub>	bla <sub>tine-1</sub>		
	PV003V3F3H2E3 1		T3	B1	bla <sub>ctr-w-ss</sub>	bla <sub>lin-1</sub>		
	PV003V3F3D1E2	Dog 1	T3	81	bla <sub>Cb-w-66</sub>	bla <sub>lim-1</sub>		
	PV003V2F3D1E3	Dog 1	T2	B1	black-wiss	blo <sub>lim-1</sub>		
	PV003V2F3D1E4	Dog 1	T2	B1	bla <sub>ctr-w-ss</sub>	$bla_{tim-1}$		
	PV003V2F3D1E5	Dog 1	T2	B1	bla <sub>ctr-w-ss</sub>	$bla_{bin-1}$		
	PV003V2F3D1E7	Dog 1	T2	B1	bla <sub>ctr-w-ss</sub>	$bla_{lim-1}$		
	PV003V3F3D1E4	Dog 1	T3	81	bla <sub>Cb-w-66</sub>	bla <sub>tim-1</sub>		
	PV003V3F3D1E1 1		T3	B1	black-w-ss	bla <sub>tin-1</sub>		
	PV003V2F3D1E6 PT214/3 D1F3E2	Dog 1 Dog 1	T2 T3	B1 B1	bla <sub>ctr-w-in</sub>	bla <sub>tin-1</sub>		blacores
	PT221/1-H2F3E2	Human H2	T1	A	black-w-10	Droftin-1	bla <sub>ser-26</sub>	DIOCHA-3
	PV001V1F3D1E1	Dog D1	T1	A	black-w-14	bla <sub>tin-1</sub>	PART 18	
	PV001V1F3D1E2	Dog D1	T1	A	bla <sub>ctr-w-14</sub>	bla <sub>NM-1</sub>		
	PV001V1F4D1E1	Dog D1	T1	A	bla <sub>C3x-ss-14</sub>	bla <sub>lin-1</sub>		
	PV001V1F4D1E2	Dog D1	T1 T3	B1 A	bla <sub>ctx-M-14</sub>	bla <sub>tin-1</sub>	bla	hin
	PT219/3 C1F3E1 PT224/0 D1F3E1	Cat C1 Dog D1	T0	A B1	bla	bla <sub>lim-1</sub>	bla <sub>sev-12</sub>	bla <sub>cur-2</sub>
	PT224/0 D1F3E1 PT219/0 C1F3KE1	Cat C1	TO TO	B1 A	bla <sub>ctr-w-15</sub> bla <sub>ctr-w-15</sub>	bla <sub>160-1</sub>		bla <sub>cov-2</sub>
	. ranyotirskii	LOT 1-2		~	PART IN 18	Dr. 2/18/0-1		

**Supplementary Figure S3.** Dendrogram based on REP-PCR finger-printing data of 88 *Escherichia coli* carriage strains from companion animals with urinary tract 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; '-', negative for the gene.