

**Table S4.** CR isolates from companion animals linked to humans and other species

First autor	Companion animal/ context with CR	Other species detected with CR	CR microorganism	Additional information
Li et al. [19]	Dogs	Humans, pigs, poultry, cattle, flies	<i>Escherichia coli</i>	Humans resident in backyard pig farm
Pulss et al. [25]	Dogs and cats	guinea pigs, rats, mice, rabbits	<i>Klebsiella pneumoniae</i>	NR
Yousfi et al. [28]	Dogs and cats	Equines and companion birds	<i>Enterobacter cloacae</i>	NR
Mairi et al. [30]	Dogs	Humans, production animals, wild animals, foodstuffs	<i>K. pneumoniae</i>	Not related to sampled animals. Patients from hospital and community settings (healthy).
Grönthal et al. [34]	Dogs	Humans	<i>E. coli</i>	Canine owners with CR isolates. Owner with a history of international travel and hospitalization
Schmiedel et al. [37]	Dogs and cats	Equines	<i>K. pneumoniae, E. cloacae</i>	NR
Hong et al. [45]	Dogs	Humans	<i>E. coli</i>	Owners and veterinary staff
Fernandes et al. [54]	Dogs	Humans	<i>Pseudomonas aeruginosa</i>	Canine owners detected with CR isolates. Owner with a history of 5-month hospitalization in ICU, with vancomycin treatment
Klotz et al. [63]	Dogs and cats	Rabbits	<i>Acinetobacter pittii</i>	NR
Ramadan et al. [51]	Veterinary surfaces	Humans	<i>E. coli</i>	Not related to sampled animals. Patients from hospital and community settings (healthy).
Schmidt et al. [52]	Veterinary surfaces	Humans	<i>E. coli</i>	Veterinary staff
Fernandes et al. [54]	Household surfaces	Humans	<i>P. aeruginosa</i>	Canine owners detected with CR isolates. Owner with a history of 5-month hospitalization in ICU, with vancomycin treatment

CR, carbapenem resistant; NR, not reported; ICU, intensive care unit.