

**Table S1.** Clinical information of the horses and wounds selected for the study. Information regarding Gram-negative (*Escherichia coli*) strains

<b>Isolate</b>	<b>Bacterial strains</b>	<b>Gender</b>	<b>Age</b>	<b>Breed</b>	<b>Lesion localization</b>
E1	<i>Escherichia coli</i>	Female	13 years old	Pure Bred Lusitano	Trunk
E2	<i>Escherichia coli</i>	Female	13 years old	Pure Bred Lusitano	Trunk
E3	<i>Escherichia coli</i>	Female	13 years old	Pure Bred Lusitano	Trunk
E4	<i>Escherichia coli</i>	Male	10 years old	Pure Bred Lusitano	Head
E5	<i>Escherichia coli</i>	Female	6 years old	Pure Bred Lusitano	Stifle
E6	<i>Escherichia coli</i>	Female	12 years old	Cross-bred	Distal limb
E7	<i>Escherichia coli</i>	Male	4 years old	Arabian	Distal limb
E8	<i>Escherichia coli</i>	Female	4 years old	Cross-bred	Distal limb
E9	<i>Escherichia coli</i>	Male	13 years old	Pure Bred Lusitano	Distal limb
E10	<i>Escherichia coli</i>	Male	13 years old	Pure Bred Lusitano	Distal limb
E11	<i>Escherichia coli</i>	Male	9 years old	Pure Bred Lusitano	Distal limb
E12	<i>Escherichia coli</i>	Male	9 years old	Pure Bred Lusitano	Distal limb

**Table S2.** Clinical information of the horses and wounds selected for the study. Information regarding Gram-positive strains

<b>Isolate</b>	<b>Bacterial strain</b>	<b>Gender</b>	<b>Age</b>	<b>Breed</b>	<b>Lesion localization</b>
<b>E13</b>	<i>Staphylococcus aureus</i>	Female	12 years old	Pure Bred Lusitano	Distal limb
<b>E14</b>	<i>Staphylococcus aureus</i>	Female	12 years old	Pure Bred Lusitano	Distal limb
<b>E15</b>	<i>Staphylococcus aureus</i>	Male	13 years old	Warmblood	Distal limb
<b>E16</b>	<i>Staphylococcus aureus</i>	Female	1 years old	Cross-bred	Distal limb
<b>E17</b>	<i>Staphylococcus aureus</i>	Female	12 years old	Pure Bred Lusitano	Distal limb
<b>E18</b>	<i>Staphylococcus aureus</i>	Male	4 years old	Arabian	Distal limb
<b>E19</b>	<i>Staphylococcus aureus</i>	Female	4 years old	Cross-bred	Distal limb
<b>E20</b>	<i>Staphylococcus aureus</i>	Male	18 years old	Pure Bred Lusitano	Neck
<b>E21</b>	<i>Staphylococcus pseudintermedius</i>	Female	15 years old	Cross-bred	Distal limb
<b>E22</b>	<i>Staphylococcus pseudintermedius</i>	Female	13 years old	Pure Bred Lusitano	Trunk
<b>E23</b>	<i>Staphylococcus vitulinus</i>	Male	9 years old	Pure Bred Lusitano	Distal limb
<b>E24</b>	<i>Staphylococcus saprophyticus</i>	Male	9 years old	Pure Bred Lusitano	Distal limb

**Table S3.** Antibiotic susceptibility test results for *Escherichia coli* strains.

<b>Bacterial</b>	<b>Antibiotics</b>																			
<b>Strains</b>	TE	DO	C	N	CN	AK	ENR	PFX	F	SXT	MEM	ETP	IPM	AMC	AMP	KF	CL	EFT	CVN	CPD
<b>E1</b>	S	S	I	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E2</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E3</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E4</b>	R	I	I	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E5</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E6</b>	S	S	I	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E7</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E8</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	R	S	S	S
<b>E9</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E10</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	R	S	S	S
<b>E11</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S
<b>E12</b>	S	S	I	S	S	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S

(TE<sub>30</sub>): tetracycline; (DO<sub>30</sub>): doxycycline; (C<sub>30</sub>): chloramphenicol; (N<sub>30</sub>): neomycin; (CN<sub>10</sub>): gentamicin; (AK<sub>30</sub>): amikacin; (ENR<sub>5</sub>): enrofloxacin; (PFX<sub>5</sub>): pefloxacin; (F<sub>100</sub>): nitrofurantoin; (SXT<sub>25</sub>): trimethoprim-sulfamethoxazole; (MEM<sub>10</sub>): meropenem; (ETP<sub>10</sub>): ertapenem; (IMP<sub>10</sub>): imipenem; (AMC<sub>30</sub>): amoxicillin/clavulanate; (AMP<sub>10</sub>): ampicillin; (KF<sub>30</sub>): cephalothin; (CL<sub>30</sub>): cephalixin; (EFT<sub>30</sub>): ceftiofur; (CVN<sub>30</sub>): cefovecin; (CPD<sub>10</sub>): cefpodoxime

**Table S4:** Antibiotic susceptibility test results for Gram-positive strains.

<b>Bacterial strains</b>	<b>Identification</b>	<b>Antibiotics</b>											
		TE	DO	C	K	N	CN	ENR	PFX	E	DA	F	SXT
E13	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	S	S	S	S
E14	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	S	S	S	S
E15	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	R	R	S	S
E16	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	S	S	S	S
E17	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	R	R	S	S
E18	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	R	R	S	S
E19	<i>Staphylococcus aureus</i>	S	S	S	S	S	S	S	S	R	R	S	S
E20	<i>Staphylococcus aureus</i>	R	R	S	R	I	S	R	I	R	R	S	R
E21	<i>Staphylococcus pseudintermedius</i>	S	S	S	S	S	S	S	S	S	S	S	S
E22	<i>Staphylococcus pseudintermedius</i>	R	R	S	R	I	S	R	I	R	R	S	R
E23	<i>Staphylococcus vitulinus</i>	S	S	S	S	S	S	S	S	S	S	S	S
E24	<i>Staphylococcus saprophyticus</i>	S	S	S	S	S	S	S	S	R	S	S	S

(TE<sub>30</sub>): tetracycline; (DO<sub>30</sub>): doxycycline; (C<sub>30</sub>): chloramphenicol; (K<sub>30</sub>): kanamycin; (N<sub>30</sub>): neomycin; (CN<sub>10</sub>): gentamicin; (ENR<sub>5</sub>): enrofloxacin; (PFX<sub>5</sub>): pefloxacin; (E<sub>15</sub>): erythromycin; (DA<sub>2</sub>): clindamycin; (F<sub>100</sub>): nitrofurantoin; (SXT<sub>25</sub>): trimethoprim-sulfamethoxazole