

Table S1. The antimicrobial resistance pattern of *E. coli* isolated from antimicrobial treated and non-treated cattle at feedlot exit

Number of antimicrobial classes	Total no. of isolates (%)		Resistance pattern (no. of isolates)	
	Non-treated (122)	Treated (13)	Non-treated	Treated
All sensitive	93 (76.23)	10 (76.9)	93	10
1	15 (12.29)	2 (15.4)	TET (12) FIS (1) AMP (1) AUG2-FOX (1)	TET (1)(***) AMP-AUG2-AXO-FOX-XNL (1) ^{a(**)}
2	4 (3.28)		AMP-TET (3) FIS-TET (1)	
3	7 (5.74)		FIS-STR-TET (3) AMP-STR-TET(3) AMP-AXO-AZI-TET-XNL (1) ^a	
5	3 (2.46)	1 (7.7)	AMP-AXO-AZI-FIS-STR-TET-XNL (2) ^a AMP-AXO-CHL-FIS-STR-SXT-TET-XNL (1) ^a	AMP-AXO-FIS-STR-SXT-TET-XNL (1) ^{a(*)}
Resistance (%)	29 (23.8)	3 (23.1)		
P-value	0.955			

^aESBL producing *E.coli*; ^{*}Draxxin Tulathromycin); ^{**}Excede (Ceftiofur); ^{***}Bivatop (Oxytetracycline); **AUG** (Amoxicillin/clavulanic acid), **AMP** (Ampicillin), **FOX** (Cefoxitin), **XNL** (Ceftiofur), **AXO** (Ceftriaxone), **CHL** (Chloramphenicol), **STR** (Streptomycin), **FIS** (Sulfisoxazole), **TET** (Tetracycline) and **SXT** (Trimethoprim/sulfamethoxazole)

Table S2. Agreement between antimicrobial resistance phenotypes and resistance gene detection among 37 isolates submitted for WGS

Isolates	Phenotypic AMR pattern	Genotypic AMR pattern
N001	Susceptible	-
N002	Susceptible	-
N308	Susceptible	-
N309	Susceptible	-

N338	FIS	<i>sul2</i>
N344	AMP	<i>bla</i> _{TEM-1B}
N330	AMP-AUG-AXO-FOX-XNL	<i>bla</i> _{CMY-2}
N305	TET	<i>tet</i> (B)
N314	TET	<i>tet</i> (B)
N316	TET	<i>tet</i> (B)
N348	TET	<i>tet</i> (A)
N351	TET	<i>tet</i> (B)
N352	TET	<i>tet</i> (B)
N355	TET	<i>tet</i> (A)
N396	TET	-
N401	TET	<i>tet</i> (B)
N413	TET	<i>tet</i> (B)
N415	TET	<i>tet</i> (A)
N435	TET	<i>tet</i> (B)
N442	TET	<i>tet</i> (A)
N321	AMP-TET	<i>bla</i> _{TEM-1C} , <i>tet</i> (A)
N358	AMP-TET	<i>bla</i> _{TEM-1C} , <i>tet</i> (A)
N381	AMP-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{TEM-1B} , <i>tet</i> (B)
N385	FIS-TET	<i>sul2</i> , <i>tet</i> (B)
N112	AMP-AUG-AXO-FOX-TET-XNL	<i>bla</i> _{CMY-2} , <i>bla</i> _{TEM-1B} , <i>dfrA5</i> , <i>tet</i> (A)
N324	AMP-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{TEM-1B} , <i>tet</i> (B)
N333	AMP-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{TEM-1B} , <i>tet</i> (B)
N341	AMP-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{TEM-1B} , <i>tet</i> (B)
N054	AMP-STR-SXT	<i>aph</i> (3')-Ia, <i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{TEM-1B} , <i>dfrA5</i> , <i>sul2</i>
N369	FIS-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>sul2</i> , <i>tet</i> (B)
N373	FIS-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>sul2</i> , <i>tet</i> (B)
N443	FIS-STR-TET	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>sul2</i> , <i>tet</i> (B)
N325	AMP-AXO-AZI-TET-XNL	<i>bla</i> _{CTX-M-15} , <i>mph</i> (A), <i>mph</i> (E), <i>msr</i> (E), <i>tet</i> (A)
N423	AMP-AXO-FIS-STR-SXT-TET-XNL	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{CTX-M-15} , <i>bla</i> _{TEM-1B} , <i>dfrA14</i> , <i>sul2</i> , <i>tet</i> (A)
N307	AMP-AXO-AZI-FIS-STR-TET-XNL	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{CTX-M-27} , <i>mph</i> (A), <i>sul2</i> , <i>tet</i> (A)
N347	AMP-AXO-AZI-FIS-STR-TET-XNL	<i>aph</i> (3'')-Ib, <i>aph</i> (6)-Id, <i>bla</i> _{CTX-M-27} , <i>mph</i> (A), <i>sul2</i> , <i>tet</i> (A)

N354 AMP-AXO-CHL-FIS-STR-TET-XNL *aac(3)-IV,ant(3'')-Ia,aph(3'')-Ib, aph(4)-Ia, aph(6)-Id, bla_{CTX-M-15}, bla_{TEM-1B}, cmlA1, dfrA12, qnrS1, sul1, sul3, tet(A)*

Table S3. Correlation analysis of phenotypic and genotypic AMR in *E.coli* isolated from feedlot and abattoir

[illegible]

STR_P^{0.426} - 0.290^{0.24} 0.256^{0.59} - 1.00
* 0.155 0 6* 0.15 5 0
(0.00 (0.35 (0.08 (0.1 (0.12 (0.0 (0.35
8) 8) 2) 52) 6) 00) 8)

SXT_P^{0.360} - 0.362⁻ 0.08^{0.561} 0.29⁻ 0.45 1.00
* 0.071 * 8 * 3 0.07 7* 0
1
(0.02 (0.67 (0.02 (0.6 (0.00 (0.0 (0.67 (0.0
9) 6) 8) 04) 0) 78) 6) 04)

TET_P⁻ 0.033⁻ 0.165^{0.086} 0.15^{0.14} 0.088^{0.16} 0.19⁻ 0.08⁻ 1.00
0.165 6 5 5 8 5 0
(0.84 (0.33 (0.61 (0.3 (0.60 (0.3 (0.33 (0.2 (0.6
8) 0) 2) 56) 6) 93) 0) 40) 19)

XNL_P^{0.585} 0.495 1.000 0.61 0.345 0.36 0.49 0.29 0.36 0.08
* * * 5* * 9* 5* 0 2* 6 1.000
(0.00 (0.00 (0.00 (0.0 (0.03 (0.0 (0.00 (0.0 (0.0 (0.6
0) 2) 0) 00) 6) 24) 2) 82) 28) 12)

AMP_G^{1.000} 0.289^{0.585} 0.36^{0.202} 0.04 0.28 0.42 0.36 0.03 0.585
* 0* 0.202 5 9 6* 0* 3 * 1.000
(0.00 (0.08 (0.00 (0.0 (0.23 (0.7 (0.08 (0.0 (0.0 (0.8 (0.00
0) 2) 0) 29) 1) 91) 2) 08) 29) 48) 0)

AUG_G⁻ 0.289^{1.000} 0.495⁻ 0.07⁻ 0.040⁻ 0.13^{1.00} 0.15⁻ 0.07⁻ 0.16⁻ 0.495
* * 1 0.040 6 0* 5 1 5 * 0.289 1.000
(0.08 (0.00 (0.00 (0.6 (0.81 (0.4 (0.00 (0.3 (0.6 (0.3 (0.00 (0.08
2) 0) 2) 76) 5) 24) 0) 58) 76) 30) 2) 2)

AXO_G^{0.585} 0.495 1.000 0.61 0.345 0.36 0.49 0.29 0.36 0.08 1.000 0.585 0.495
* * * 5* * 9* 5* 0 2* 6 * * * 1.000
(0.00 (0.00 (0.00 (0.0 (0.03 (0.0 (0.00 (0.0 (0.0 (0.6 (0.00 (0.00 (0.00
0) 2) 0) 00) 6) 24) 2) 82) 28) 12) 0) 0) 2)

| | | | | | | | | | | | | | | | |
|-------|--------|-------|-------|-------|-------|------|-------|------|------|-------|-------|--------|-------|-------|-------|
| AZI_ | 0.360 | - | 0.615 | 1.00 | - | 0.29 | - | 0.24 | - | 0.15 | 0.615 | 0.360 | - | 0.615 | 1.00 |
| G | * | 0.071 | * | 0* | 0.050 | 3 | 0.07 | 0 | 0.08 | 6 | * | * | 0.071 | * | 0 |
| | (0.02 | (0.67 | (0.00 | (0.0 | (0.77 | (0.0 | (0.67 | (0.1 | (0.6 | (0.3 | (0.00 | (0.02 | (0.67 | (0.00 | |
| | 9) | 6) | 0) | 00) | 1) | 78) | 6) | 52) | 04) | 56) | 0) | 9) | 6) | 0) | |
| CHL_ | -0.202 | - | 0.345 | - | 1.000 | 0.29 | - | 0.25 | 0.56 | 0.08 | 0.345 | -0.202 | - | 0.345 | - |
| G | -0.040 | * | 0.05 | 0 | * | 4 | 0.04 | 6 | 1* | 8 | * | -0.040 | * | 0.05 | 1.000 |
| | (0.23 | (0.81 | (0.03 | (0.7 | (0.00 | (0.0 | (0.81 | (0.1 | (0.0 | (0.6 | (0.03 | (0.23 | (0.81 | (0.03 | (0.77 |
| | 1) | 5) | 6) | 71) | 0) | 77) | 5) | 26) | 00) | 06) | 6) | 1) | 5) | 6) | 1) |
| FIS_G | 0.117 | - | 0.328 | 0.26 | 0.274 | 0.93 | - | 0.66 | 0.48 | 0.02 | 0.328 | 0.117 | - | 0.328 | 0.26 |
| | 0.145 | * | 5 | 0.274 | 2* | 0.14 | 5 | 9* | 8* | 4 | * | 0.145 | * | 5 | 0.274 |
| | (0.48 | (0.39 | (0.04 | (0.1 | (0.10 | (0.0 | (0.39 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 9) | 0) | 8) | 13) | 1) | 00) | 0) | 00) | 02) | 88) | 8) | 9) | 0) | 8) | 3) |
| FOX_ | 1.000 | 0.495 | - | - | - | 1.00 | - | - | - | 0.495 | - | 1.000 | 0.495 | - | - |
| G | -0.289 | * | * | 0.07 | 0.040 | 0.13 | 0* | 0.15 | 0.07 | 0.16 | * | -0.289 | * | * | 0.07 |
| | (0.08 | (0.00 | (0.00 | (0.6 | (0.81 | (0.4 | (0.00 | (0.3 | (0.6 | (0.3 | (0.00 | (0.08 | (0.00 | (0.00 | (0.67 |
| | 2) | 0) | 2) | 76) | 5) | 24) | 0) | 58) | 76) | 30) | 2) | 2) | 0) | 2) | 6) |
| STR_ | 0.486 | - | 0.255 | 0.21 | 0.241 | 0.54 | - | 0.93 | 0.42 | 0.22 | 0.255 | 0.486 | - | 0.255 | 0.21 |
| G | * | 0.166 | 0.255 | 7 | 0.241 | 9* | 0.16 | 9* | 9* | 4 | 0.255 | * | 0.166 | 0.255 | 7 |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.1 | (0.12 | (0.00 | (0.32 | (0.12 | (0.19 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| SXT_ | 0.422 | 0.302 | 0.499 | - | 0.479 | 0.20 | 0.30 | 0.34 | 0.85 | - | 0.499 | 0.422 | 0.302 | 0.499 | - |
| G | * | 0.302 | * | 0.10 | * | 8 | 2 | 5* | 3* | 0.02 | * | * | 0.302 | * | 0.10 |
| | (0.00 | (0.07 | (0.00 | (0.5 | (0.00 | (0.2 | (0.07 | (0.0 | (0.0 | (0.8 | (0.00 | (0.00 | (0.07 | (0.00 | (0.54 |
| | 9) | 0) | 2) | 42) | 3) | 16) | 0) | 37) | 00) | 67) | 2) | 9) | 0) | 2) | 2) |
| TET_ | -0.083 | - | 0.113 | 0.16 | 0.094 | 0.17 | - | 0.23 | - | 0.92 | - | -0.083 | - | 0.113 | 0.16 |
| G | 0.143 | 0.113 | 8 | 0.094 | 5 | 0.14 | 3 | 1 | 0.06 | 6* | 0.113 | 0.083 | 0.143 | 0.113 | 8 |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 9) | 0) | 8) | 13) | 1) | 00) | 0) | 00) | 02) | 88) | 8) | 9) | 0) | 8) | 3) |
| | (0.08 | (0.00 | (0.00 | (0.6 | (0.81 | (0.4 | (0.00 | (0.3 | (0.6 | (0.3 | (0.00 | (0.08 | (0.00 | (0.00 | (0.67 |
| | 2) | 0) | 2) | 76) | 5) | 24) | 0) | 58) | 76) | 30) | 2) | 2) | 0) | 2) | 6) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | (0.12 | (0.1 | (0.15 | (0.0 | (0.32 | (0.0 | (0.0 | (0.8 | (0.04 | (0.48 | (0.39 | (0.04 | (0.11 |
| | 2) | 7) | 8) | 97) | 2) | 00) | 7) | 00) | 08) | 83) | 8) | 2) | 7) | 8) | 7) |
| | (0.00 | (0.32 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| | (0.62
4) | (0.39
8) | (0.50
5) | (0.3
19) | (0.57
8) | (0.3
01) | (0.39
8) | (0.1
69) | (0.7
14) | (0.0
00) | (0.50
5) | (0.62
4) | (0.39
8) | (0.50
5) | (0.31
9) | (0.57
8) | (0.7
18) | (0.39
8) | (0.12
3) | (0.97
4) | | |
| XNL_ | 0.585 | 0.495 | 1.000 | 0.61 | 0.345 | 0.36 | 0.49 | 0.29 | 0.36 | 0.08 | 1.000 | 0.585 | 0.495 | 1.000 | 0.61 | 0.345 | 0.32 | 0.495 | 0.25 | 0.49 | 0.11 | |
| G | * | * | * | 5* | * | 9* | 5* | 0 | 2* | 6 | * | * | * | * | 5* | * | 8* | * | 5 | 9* | 3 | 1.000 |
| | (0.00
0) | (0.00
2) | (0.00
0) | (0.0
00) | (0.03
6) | (0.0
24) | (0.00
2) | (0.0
82) | (0.0
28) | (0.6
12) | (0.00
0) | (0.00
0) | (0.00
2) | (0.00
0) | (0.00
0) | (0.03
6) | (0.0
48) | (0.00
2) | (0.12
8) | (0.00
2) | (0.50
5) | |
| <i>* p<0.05</i> | | | | | | | | | | | | | | | | | | | | | | |