**Table S1: Other virulence genes detected in human and porcine *E. coli* isolates**

|  |  |  |  |
| --- | --- | --- | --- |
| **Virulence factors** | **Humans** | **Pigs** | **Total** |
| **% (n=63)** | **% (n =106)** | **% (n = 169)** |
| **Adherence and colonization** |  |  |  |
| *cap*U | 4.76 (3) | 0.94 (1) | 2.37 (4) |
| *eil*A | 12.70 (8) | 1.89 (2) | 5.92 (10) |
| *etp*D | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| *ets*C | 6.35 (4) | 2.83 (3) | 4.14 (7) |
| *gad* | 49.21 (31) | 31.13 (33) | 37.87 (64) |
| *hra* | 14.29 (9) | 26.42 (28) | 21.89 (37) |
| *ibe*A | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| *iha* | 42.86 (27) | 0.00 (0) | 15.98 (27) |
| *iss* | 58.73 (37) | 26.42 (28) | 38.46 (65) |
| *irp*2 | 38.10 (24) | 12.26 (13) | 21.89 (37) |
| *kat*P | 1.59 (1) | 5.66 (6) | 4.14 (7) |
| *lpf*A | 41.27 (26) | 24.53 (26) | 30.77 (52) |
| *omp*T | 44.44 (28) | 21.70 (23) | 30.18 (51) |
| *pap*A\_F9 | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| *pap*A\_F11 | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| *pap*A\_F19 | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| *pap*A\_F20 | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| *pap*A\_F43 | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| *pap*A\_*fei*A\_F8 | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| *pap*A\_*fsi*A\_F16 | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| F17 (*f*17A; *f*17G) | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| *pap*C | 9.52 (6) | 11.32 (12) | 10.65 (18) |
| *tra*T | 60.32 (38) | 41.51 (44) | 48.52 (82) |
| *tsh* | 3.17 (2) | 13.21 (14) | 9.47 (16) |
| *usp* | 6.35 (4) | 0.00 (0) | 2.37 (4) |
| *yfc*V | 4.76 (3) | 0.00 (0) | 1.78 (3) |
| **Colicins** |  |  |  |
| *cba* | 0.00 (0) | 7.55 (8) | 4.73 (8) |
| *cea* | 11.11 (7) | 3.77 (4) | 6.51 (11) |
| *celb* | 6.35 (4) | 7.55 (8) | 7.10 (12) |
| *cia* | 9.52 (6) | 7.55 (8) | 8.28 (14) |
| *cma* | 3.17 (2) | 12.26 (13) | 8.88 (15) |
| **Iron acquisition** |  |  |  |
| *chu*A | 20.63 (13) | 5.66 (6) | 11.24 (19) |
| *fyu*A | 39.68 (25) | 12.26 (13) | 22.49 (38) |
| *ire*A | 19.05 (12) | 0.94 (1) | 7.69 (13) |
| *iro*N | 9.52 (6) | 0.94 (1) | 4.14 (7) |
| *iuc*C | 41.27 (26) | 0.94 (1) | 15.98 (27) |
| *iut*A | 9.52 (6) | 0.94 (1) | 4.14 (7) |
| *sit*A | 36.51 (23) | 5.66 (6) | 17.16 (29) |
| **Microcins** |  |  |  |
| *cva*B | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| *mch*B | 4.76 (3) | 5.66 (6) | 5.33 (9) |
| *mch*C | 3.17 (2) | 5.66 (6) | 4.73 (8) |
| *mch*F | 7.94 (5) | 6.60 (7) | 7.10 (12) |
| *mcm*A | 0.00 (0) | 5.66 (6) | 3.55 (6) |
|  |  |  |  |
| **Virulence factors** | **Humans** | **Pigs** | **Total** |
| **% (n=63)** | **% (n =106)** | **% (n = 169)** |
| **Serine protease autotransporters (SPATE)** |  |  |  |
| *esp*I | 9.52 (6) | 0.00 (0) | 3.55 (6) |
| *esp*P | 4.76 (3) | 0.00 (0) | 1.78 (3) |
| *sep*A | 3.17 (2) | 2.83 (3) | 2.96 (5) |
| **Toxins** |  |  |  |
| *hly*F | 6.35 (4) | 0.94 (1) | 2.96 (5) |
| *sen*B | 12.70 (8) | 0.00 (0) | 4.73 (8) |
| *tox*B | 0.00 (0) | 1.89 (2) | 1.18 (2) |
| *vat* | 3.17 (2) | 0.00 (0) | 1.18 (2) |

**Table S2: Sequence type complex composition with the different STs detected in human and porcine *E. coli* isolates**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sequence type (ST) complex** | **Sequence type (ST)** | **Humans** | | **Pigs** | **Total** |
| **% (n=63)** | | **% (n =106)** | **% (n = 169)** |
| **ST 10 complex** | 10 | 19.05 (12) | | 24.53 (26) | 22.49 (38) |
| 34 | 3.17 (2) | | 0.94 (1) | 1.78 (3) |
| 48 | 0.00 (0) | | 1.89 (2) | 1.18 (2) |
| 215 | 0.00 (0) | | 3.77 (4) | 2.37 (4) |
| 218 | 3.17 (2) | | 0.94 (1) | 1.78 (3) |
| 227 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 2223 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 3877 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 4427 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 10170 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 11222 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 12410 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 12515 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 12416 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| **ST complex 86** | 453 | 3.17 (2) | | 0.94 (1) | 1.78 (3) |
| 641 | 3.17 (2) | | 3.77 (4) | 3.55 (6) |
| 877 | 0.00 (0) | | 1.89 (2) | 1.18 (2) |
| **ST complex 95** | 95 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 12411 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| **ST complex 165** | 165 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 1114 | 0.00 (0) | | 3.77 (4) | 2.37 (4) |
| 1178 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 5455 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| **ST complex 168** | 93 | 0.00 (0) | | 2.83 (3) | 1.78 (3) |
| 484 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| **ST complex 206** | 793 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 4995 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| **ST complex 278** | 336 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 795 | 0.00 (0) | | 1.89 (2) | 1.18 (2) |
| **ST complex 467** | 480 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 2325 | 0.00 (0) | | 1.89 (2) | 1.18 (2) |
| **Complex not assigned** | -2332 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 117 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 154 | 0.00 (0) | | 4.72 (5) | 2.96 (5) |
| 202 | 0.00 (0) | | 1.89 (2) | 1.18 (2) |
| 216 | 3.17 (2) | | 0.00 (0) | 1.18 (2) |
| 224 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 362 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 401 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 452 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 500 | 0.00 (0) | | 0.94 (1) | 0.59 (1) |
| 542 | 0.00 (0) | | 9.43 (10) | 5.92 (10) |
| 543 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 678 | 1.59 (1) | | 0.00 (0) | 0.59 (1) |
| 871 | 1.59 (1) | | 1.89 (2) | 1.78 (3) |
| **Sequence type (ST) complex** | **Sequence type (ST)** | **Humans** | | **Pigs** | **Total** |
| **% (n=63)** | | **% (n =106)** | **% (n = 169)** |
| **Complex not assigned** | 1056 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 1081 | | 0.00 (0) | 2.83 (3) | 1.78 (3) |
| 1112 | | 1.59 (1) | 0.94 (1) | 1.18 (2) |
| 1146 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 1571 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 1716 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| 2144 | | 3.17 (2) | 0.00 (0) | 1.18 (2) |
| 2522 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 3947 | | 1.59 (1) | 0.94 (1) | 1.18 (2) |
| 4214 | | 0.00 (0) | 2.83 (3) | 1.78 (3) |
| 5308 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 5617 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 5951 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| 7651 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| 9063 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 9628 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| 10907 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 12412 | | 1.59 (1) | 0.00 (0) | 0.59 (1) |
| 12413 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |
| 12414 | | 0.00 (0) | 0.94 (1) | 0.59 (1) |