

**Table XXX.** Phagetype and resistance patterns of *S. Typhimurium* recovered from swine abattoir samples in 2002 and 2003 (n=141) and in human clinical samples in 2003 (n=610)

| Human     |                | Count | Percent | Swine     |              | Count | Percent |
|-----------|----------------|-------|---------|-----------|--------------|-------|---------|
| Phagetype | Pattern        |       |         | Phagetype | Pattern      |       |         |
| 104       | ACSSuT+        | 101   | 16.6    | 104       | ACSSuT+      | 20    | 14.2    |
| 170       | None           | 26    | 4.3     | 170       | None         | 4     | 2.8     |
| 104       | ACKSSuT+       | 22    | 3.6     | 104       | ACKSSuT+     | 12    | 8.5     |
| 124 var.  | None           | 22    | 3.6     |           |              |       |         |
| 46        | None           | 22    | 3.6     |           |              |       |         |
| 107       | None           | 20    | 3.3     |           |              |       |         |
| 164       | None           | 17    | 2.8     |           |              |       |         |
| 2         | None           | 16    | 2.6     |           |              |       |         |
| 104b      | ACSSuT+        | 15    | 2.5     | 104b      | ACSSuT+      | 9     | 6.4     |
| 10        | None           | 13    | 2.1     |           |              |       |         |
| 208 var.  | AmpKanSmxTcy   | 13    | 2.1     |           |              |       |         |
| U276      | None           | 13    | 2.1     |           |              |       |         |
| 108       | None           | 12    | 2.0     | 108       | None         | 3     | 2.1     |
| 1         | None           | 10    | 1.6     |           |              |       |         |
| 160       | None           | 9     | 1.5     |           |              |       |         |
| 208 var.  | AKSSuT+        | 9     | 1.5     |           |              |       |         |
| 49        | None           | 9     | 1.5     |           |              |       |         |
| 135       | None           | 8     | 1.3     |           |              |       |         |
| 208       | Tcy            | 8     | 1.3     | 208       | Tcy          | 13    | 9.2     |
| 69        | None           | 6     | 1.0     |           |              |       |         |
| U302      | ACKSSuT+       | 6     | 1.0     | U302      | ACKSSuT+     | 2     | 1.4     |
| 104       | None           | 5     | 0.8     | 104       | None         | 2     | 1.4     |
| 146a var. | None           | 5     | 0.8     |           |              |       |         |
| 195       | None           | 5     | 0.8     |           |              |       |         |
| 41        | None           | 5     | 0.8     |           |              |       |         |
| U285      | None           | 5     | 0.8     |           |              |       |         |
| UT 2      | AmpKanSmxTcy   | 5     | 0.8     |           |              |       |         |
| 12        | None           | 4     | 0.7     | 12        | None         | 1     | 0.7     |
| 193       | Tcy            | 4     | 0.7     |           |              |       |         |
| 208       | None           | 4     | 0.7     | 208       | None         | 2     | 1.4     |
| U284 var. | None           | 4     | 0.7     |           |              |       |         |
| UT 1      | ACKSSuT+CepSxt | 4     | 0.7     |           |              |       |         |
| 104       | ACSSuT+Amc     | 3     | 0.5     | 104       | ACSSuT+Amc   | 1     | 0.7     |
| 104       | ACSSuT+Nal     | 3     | 0.5     |           |              |       |         |
| 104       | AmpStrSmxTcy   | 3     | 0.5     |           |              |       |         |
| 104a      | ACKSSuT+       | 3     | 0.5     |           |              |       |         |
| 104a      | ACKSSuT+Sxt    | 3     | 0.5     |           |              |       |         |
| 110       | KanTcy         | 3     | 0.5     |           |              |       |         |
| 193       | None           | 3     | 0.5     |           |              |       |         |
| AT00-1337 | None           | 3     | 0.5     |           |              |       |         |
| U302      | ACSSuT+        | 3     | 0.5     | U302      | ACSSuT+      | 4     | 2.8     |
| U302      | ACSSuT+Amc     | 3     | 0.5     |           |              |       |         |
| 104       | KanStrSmx      | 2     | 0.3     |           |              |       |         |
| 104       | KanTcy         | 2     | 0.3     | 104       | KanTcy       | 1     | 0.7     |
| 104a      | ACSSuT+        | 2     | 0.3     | 104a      | ACSSuT+      | 2     | 1.4     |
| 104c      | ACSSuT+        | 2     | 0.3     |           |              |       |         |
| 110b      | None           | 2     | 0.3     |           |              |       |         |
| 127       | None           | 2     | 0.3     |           |              |       |         |
| 2         | AmpCepSmxSxt   | 2     | 0.3     |           |              |       |         |
| 208       | AmpKanSmxTcy   | 2     | 0.3     | 208       | AmpKanSmxTcy | 1     | 0.7     |
| 208 var.  | AKSSuT+Sxt     | 2     | 0.3     |           |              |       |         |
| 40        | None           | 2     | 0.3     |           |              |       |         |
| 46        | AmpCepSmxSxt   | 2     | 0.3     |           |              |       |         |

| Human Phagetype | Pattern               | Count | Percent | Swine Phagetype | Pattern         | Count | Percent |
|-----------------|-----------------------|-------|---------|-----------------|-----------------|-------|---------|
| 51              | None                  | 2     | 0.3     |                 |                 |       |         |
| 82              | None                  | 2     | 0.3     |                 |                 |       |         |
| 94              | None                  | 2     | 0.3     |                 |                 |       |         |
| AT97-6274       | None                  | 2     | 0.3     |                 |                 |       |         |
| AT99-0756       | None                  | 2     | 0.3     |                 |                 |       |         |
| U276            | AmpKanStrSmxSxt       | 2     | 0.3     |                 |                 |       |         |
| U292            | None                  | 2     | 0.3     |                 |                 |       |         |
| U302            | ACKSSuT+CepSxt        | 2     | 0.3     |                 |                 |       |         |
| UT 2            | AKSSuT+               | 2     | 0.3     |                 |                 |       |         |
| 1               | ACKSSuT+              | 1     | 0.2     |                 |                 |       |         |
| 1               | AmpStr                | 1     | 0.2     |                 |                 |       |         |
| 1               | AmpStrSmxSxt          | 1     | 0.2     |                 |                 |       |         |
| 1               | GenSmx                | 1     | 0.2     |                 |                 |       |         |
| 104             | .                     | 1     | 0.2     |                 |                 |       |         |
| 104             | ACSSuT+Sxt            | 1     | 0.2     |                 |                 |       |         |
| 104             | AmpChlSmxTcy          | 1     | 0.2     | 104             | AmpChlSmxTcy    | 1     | 0.7     |
| 104             | AmpChlStrTcy          | 1     | 0.2     |                 |                 |       |         |
| 104             | StrSmx                | 1     | 0.2     |                 |                 |       |         |
| 104             | StrSmxTcy             | 1     | 0.2     |                 |                 |       |         |
| 104a            | AKSSuT+Sxt            | 1     | 0.2     |                 |                 |       |         |
| 104a            | AmpKanSmxTcySxt       | 1     | 0.2     | 104a            | AmpKanSmxTcySxt | 1     | 0.7     |
| 104b            | ACKSSuT+              | 1     | 0.2     |                 |                 |       |         |
| 104b            | ACKSSuT+Sxt           | 1     | 0.2     |                 |                 |       |         |
| 106             | None                  | 1     | 0.2     |                 |                 |       |         |
| 106 var.        | None                  | 1     | 0.2     |                 |                 |       |         |
| 107             | Kan                   | 1     | 0.2     |                 |                 |       |         |
| 108             | Amp                   | 1     | 0.2     |                 |                 |       |         |
| 108             | AmpKanTcy             | 1     | 0.2     |                 |                 |       |         |
| 108             | KanStrSmxTcy          | 1     | 0.2     |                 |                 |       |         |
| 108             | Tcy                   | 1     | 0.2     | 108             | Tcy             | 1     | 0.7     |
| 110b            | AKSSuT+               | 1     | 0.2     |                 |                 |       |         |
| 12              | AKSSuT+               | 1     | 0.2     |                 |                 |       |         |
| 12              | AmpChlCipGenNalSmxSxt | 1     | 0.2     |                 |                 |       |         |
| 12              | AmpTcy                | 1     | 0.2     |                 |                 |       |         |
| 12              | KanStrSmxTcy          | 1     | 0.2     |                 |                 |       |         |
| 12              | Tcy                   | 1     | 0.2     | 12              | Tcy             | 1     | 0.7     |
| 120             | ACKSSuT+NalSxt        | 1     | 0.2     |                 |                 |       |         |
| 124 var.        | Amp                   | 1     | 0.2     |                 |                 |       |         |
| 124 var.        | AmpKanSmxTcySxt       | 1     | 0.2     |                 |                 |       |         |
| 124 var.        | SmxTcySxt             | 1     | 0.2     |                 |                 |       |         |
| 12a             | StrSmxTcy             | 1     | 0.2     |                 |                 |       |         |
| 135             | AmpCepSmxSxt          | 1     | 0.2     |                 |                 |       |         |
| 135             | GenStrSmx             | 1     | 0.2     |                 |                 |       |         |
| 136             | None                  | 1     | 0.2     |                 |                 |       |         |
| 146             | A3C+Amp               | 1     | 0.2     |                 |                 |       |         |
| 146             | Amp                   | 1     | 0.2     |                 |                 |       |         |
| 146             | None                  | 1     | 0.2     |                 |                 |       |         |
| 146a            | None                  | 1     | 0.2     |                 |                 |       |         |
| 151             | KanTcy                | 1     | 0.2     |                 |                 |       |         |
| 191             | None                  | 1     | 0.2     |                 |                 |       |         |
| 193             | A3C+Amp               | 1     | 0.2     |                 |                 |       |         |
| 193             | ACSSuT+A3C+Sxt        | 1     | 0.2     |                 |                 |       |         |
| 193             | ACSSuT+CipGenNalSxt   | 1     | 0.2     |                 |                 |       |         |
| 193             | AKSSuT+               | 1     | 0.2     | 193             | AKSSuT+         | 2     | 1.4     |
| 193             | AmpCepStrSmxSxt       | 1     | 0.2     |                 |                 |       |         |

| Human Phagetype | Pattern           | Count | Percent | Swine Phagetype | Pattern      | Count | Percent |
|-----------------|-------------------|-------|---------|-----------------|--------------|-------|---------|
| 193             | AmpKanSmxTcySxt   | 1     | 0.2     |                 |              |       |         |
| 193             | AmpSmxTcySxt      | 1     | 0.2     |                 |              |       |         |
| 193             | AmpTcy            | 1     | 0.2     |                 |              |       |         |
| 193             | KanStrSmxTcy      | 1     | 0.2     | 193             | KanStrSmxTcy | 1     | 0.7     |
| 193             | NalSmxTcySxt      | 1     | 0.2     |                 |              |       |         |
| 193             | Str               | 1     | 0.2     |                 |              |       |         |
| 193             | StrSmxTcy         | 1     | 0.2     |                 |              |       |         |
| 195             | A3C+Amp           | 1     | 0.2     |                 |              |       |         |
| 195             | ChlStrSmxTcy      | 1     | 0.2     |                 |              |       |         |
| 203             | ACKSSuT+Gen       | 1     | 0.2     |                 |              |       |         |
| 206             | KanTcy            | 1     | 0.2     |                 |              |       |         |
| 208             | AKSSuT+           | 1     | 0.2     | 208             | AKSSuT+      | 3     | 2.1     |
| 208             | GenSmxSxt         | 1     | 0.2     |                 |              |       |         |
| 208 var.        | ACKSSuT+A3C+      | 1     | 0.2     |                 |              |       |         |
| 208 var.        | AmpKanSmxTcySxt   | 1     | 0.2     |                 |              |       |         |
| 208 var.        | KanStrSmxTcy      | 1     | 0.2     | 208 varian      | KanStrSmxTcy | 2     | 1.4     |
| 21              | AmpKanStrSmx      | 1     | 0.2     |                 |              |       |         |
| 21              | None              | 1     | 0.2     |                 |              |       |         |
| 22              | AKSSuT+           | 1     | 0.2     |                 |              |       |         |
| 22              | None              | 1     | 0.2     |                 |              |       |         |
| 27              | None              | 1     | 0.2     |                 |              |       |         |
| 29              | AmpTcy            | 1     | 0.2     |                 |              |       |         |
| 36              | None              | 1     | 0.2     |                 |              |       |         |
| 4               | Tcy               | 1     | 0.2     |                 |              |       |         |
| 40              | ChlKanSmx         | 1     | 0.2     |                 |              |       |         |
| 41              | A3C+Amp           | 1     | 0.2     |                 |              |       |         |
| 41              | ACSSuT+           | 1     | 0.2     |                 |              |       |         |
| 42              | None              | 1     | 0.2     |                 |              |       |         |
| 46              | AmcAmpCepSmxSxt   | 1     | 0.2     |                 |              |       |         |
| 46              | SmxTcy            | 1     | 0.2     |                 |              |       |         |
| 5               | None              | 1     | 0.2     |                 |              |       |         |
| 56              | None              | 1     | 0.2     |                 |              |       |         |
| 66              | None              | 1     | 0.2     |                 |              |       |         |
| 76              | None              | 1     | 0.2     |                 |              |       |         |
| 812             | ACSSuT+AmcTioCep  | 1     | 0.2     |                 |              |       |         |
| 95              | ACSSuT+A3C+GenSxt | 1     | 0.2     |                 |              |       |         |
| 99              | AmpKanSmx         | 1     | 0.2     |                 |              |       |         |
| 99              | None              | 1     | 0.2     | 99              | None         | 1     | 0.7     |
| AT00-0483       | None              | 1     | 0.2     |                 |              |       |         |
| AT00-0677       | None              | 1     | 0.2     |                 |              |       |         |
| AT01-7230       | None              | 1     | 0.2     |                 |              |       |         |
| AT02-6998       | None              | 1     | 0.2     |                 |              |       |         |
| AT02-7784       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-0074       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-1886       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-2886       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-3353       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-3596       | A3C+AmpChlStrTcy  | 1     | 0.2     |                 |              |       |         |
| AT03-4752       | StrTcy            | 1     | 0.2     |                 |              |       |         |
| AT03-5334       | None              | 1     | 0.2     |                 |              |       |         |
| AT03-6261       | KanTcy            | 1     | 0.2     |                 |              |       |         |
| AT03-6712       | None              | 1     | 0.2     |                 |              |       |         |
| AT97-6058       | None              | 1     | 0.2     |                 |              |       |         |
| U276            | ACSSuT+Cep        | 1     | 0.2     |                 |              |       |         |
| U276            | AmpKanSmxTcy      | 1     | 0.2     |                 |              |       |         |

| Human Phagetype | Pattern         | Count | Percent | Swine Phagetype | Pattern         | Count | Percent |
|-----------------|-----------------|-------|---------|-----------------|-----------------|-------|---------|
| U284            | None            | 1     | 0.2     |                 |                 |       |         |
| U284 var.       | ACSSuT+A3C+     | 1     | 0.2     |                 |                 |       |         |
| U284 var.       | AmpCepKanTcy    | 1     | 0.2     |                 |                 |       |         |
| U284 var.       | AmpCepSmxTcySxt | 1     | 0.2     |                 |                 |       |         |
| U302            | AKSSuT+         | 1     | 0.2     |                 |                 |       |         |
| U302            | AmpTcy          | 1     | 0.2     |                 |                 |       |         |
| U302            | Tcy             | 1     | 0.2     |                 |                 |       |         |
| Untypable       | ACKSSuT+        | 1     | 0.2     |                 |                 |       |         |
| UT 1            | ACKSSuT+        | 1     | 0.2     |                 |                 |       |         |
| UT 1            | None            | 1     | 0.2     |                 |                 |       |         |
| UT 7            | AKSSuT+         | 1     | 0.2     |                 |                 |       |         |
| UT 7            | None            | 1     | 0.2     |                 |                 |       |         |
|                 |                 |       |         | 100             | None            | 1     | 0.7     |
|                 |                 |       |         | 104             | ACKSSuT+Amc     | 1     | 0.7     |
|                 |                 |       |         | 104             | ACKSSuT+Sxt     | 8     | 5.7     |
|                 |                 |       |         | 104             | Amp             | 2     | 1.4     |
|                 |                 |       |         | 104             | Kan             | 1     | 0.7     |
|                 |                 |       |         | 104b            | ACSSuT+Amc      | 1     | 0.7     |
|                 |                 |       |         | 104b            | None            | 3     | 2.1     |
|                 |                 |       |         | 104b            | StrSmx          | 2     | 1.4     |
|                 |                 |       |         | 124             | None            | 1     | 0.7     |
|                 |                 |       |         | 169             | None            | 2     | 1.4     |
|                 |                 |       |         | 170             | Tcy             | 1     | 0.7     |
|                 |                 |       |         | 204c            | None            | 1     | 0.7     |
|                 |                 |       |         | 208             | ACSSuT+         | 2     | 1.4     |
|                 |                 |       |         | 208             | AmpKanStrTcy    | 1     | 0.7     |
|                 |                 |       |         | 208             | CepKanStrSmxTcy | 1     | 0.7     |
|                 |                 |       |         | 208             | KanSmxTcy       | 1     | 0.7     |
|                 |                 |       |         | 208             | KanStrSmxTcy    | 3     | 2.1     |
|                 |                 |       |         | 21              | ACSSuT+         | 1     | 0.7     |
|                 |                 |       |         | 22              | Tcy             | 5     | 3.5     |
|                 |                 |       |         | 35              | None            | 3     | 2.1     |
|                 |                 |       |         | 42 variant      | ACSSuT+         | 1     | 0.7     |
|                 |                 |       |         | 73 variant      | None            | 3     | 2.1     |
|                 |                 |       |         | 99              | Tcy             | 1     | 0.7     |
|                 |                 |       |         | U291            | None            | 1     | 0.7     |
|                 |                 |       |         | UNTYPABLE       | ACSSuT+         | 1     | 0.7     |
|                 |                 |       |         | UNTYPABLE       | Amp             | 1     | 0.7     |
|                 |                 |       |         | UNTYPABLE       | Tcy             | 2     | 1.4     |

**Note:** In British-Columbia, Alberta, Ontario, Quebec, only half (samples collected during the first 15 days of each month) of *S. Typhimurium* isolates were forwarded during the year. Some phagetype / AMR pattern combinations could have been undetected. Swine samples are from abattoir surveillance from September 2002 to December 2003. Those phagetype - AMR pattern only observed in 2002 are highlighted by an asterisk.