**Supplementary Table S1. Characteristics of resistant nontyphoidal *Salmonella* outbreaks of foodborne**a **disease, by the implicated foods vehicles—United States, 2003–2012 (N=37)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Food** **Group**b | **Food** | **Year** | **Serotype(s)** | **Multistate** | **Illnesses** | **Resistance pattern(s) detected**de |
| **Land animals** |  |  |  |  |  |   |
| Beef | Ground beef | 2003 | Typhimurium | No | 47 | ACSTAuCxCfFoxKanSxt |
| Beef | Beef, other | 2003 | Typhimurium | No | 59 | A; ACST |
| Beef | Ground beef | 2003 | Newport | No | 12 | ACSTAuCxCfFox |
| Beef | Ground beef | 2007 | Newport | Yes | 43 | ACSSuTAuCxCfFox |
| Beef | Ground beef | 2009 | Newport | Yes | 68 | ACSSuTAuCxCfFox |
| Beef | Ground beef | 2011 | Typhimurium | Yes | 20 | ASSuAuCxCfFoxKan; ASSuTAuCxCfFoxKan |
| Dairy | Milk, pasteurized | 2004 | Newport | No | 100 | ACSTAuCxCfFox |
| Chicken | Chicken, baked | 2004 | Istanbul | No | 42 | ST |
| Chicken | Chicken | 2005 | Heidelberg | No | 4 | SSuGen |
| Chicken | Chicken liver | 2011 | Heidelberg | Yes | 190 | AAuCxCfFox |
| Chicken | chicken | 2012 | Heidelberg | Yes | 134 | AAuCxCfFox; SSuGen |
| Turkey | Ground turkey | 2010 | Hadar | Yes | 55 | A; AT; AST |
| Turkey | Ground turkey | 2010 | Berta | Yes | 35 | T; ASuAuGen |
| Turkey | Ground turkey | 2011 | Heidelberg | Yes | 182 | ATGen; ASTGen; STKan; ASTKan |
| Turkey | Turkey | 2012 | Typhimurium | No | 7 | ASTGen |
| Pork   | Pork | 2011 | I 4,[5],12:i:- | No | 14 | ASSuT |
| **Plants** |  |  |  |  |  |   |
| Grains-beans | Dosaif | 2006 | Typhimurium | No | 3 | ACSSuT; ACSSuTAu |
| Vine vegetables | Tomato | 2005 | Braenderup | Yes | 84 | Gen; ASuTGen |
| Vine vegetables | Tomato | 2012 | Newport | No | 102 | AAuCxCfFox |
| Herbs | White pepper | 2008 | Rissen | No | 87 | T  |
| Herbs | Black pepper | 2009 | Senftenberg | Yes | 272 | SuT |
| Fruits | Papaya | 2011 | Agona | Yes | 104 | S |
| **Unclassifiablec** |  |  |  |  |  |   |
|   | Turkey, sandwich | 2004 | Agona | No | 24 | SuT |
|   | Sushi, unspecified | 2005 | Typhimurium | No | 25 | ACSuTSxt; ACSSuTSxt; ACSSuTAuSxt |
|   | Roast beef; lettuce | 2009 | Newport | No | 13 | ACSSuTAuCxCfFox |
|   | Pork carnitas | 2012 | I 4,[5],12:i:- | No | 17 | ASSuT |
|   | Chicken salad (chicken, egg, pickles, dill) | 2012 | Adelaide; Anatum; Braenderup; Cerro; Heidelberg; Mbandaka; Newport | No | 365 | T; SSuT |
| **No food reported** |  |  |  |  |   |
|   |  | 2005 | Heidelberg | No | 19 | ST; STGen; STNal |
|   |  | 2005 | Newport; Typhimurium | No | 100 | ACSSuTAuCxCfFox |
|   |  | 2006 | Typhimurium | No | 20 | ACSuTCipKanNalSxt |
|   |  | 2006 | Schwarzengrund | No | 6 | AAuCxCfFox |
|   |  | 2006 | Hadar | No | 9 | T;ST |
|   |  | 2006 | I 4,[5],12:i:- | No | 14 | Nal |
|   |  | 2010 | I 4,[5],12:i:- | No | 33 | ASSuT |
|   |  | 2012 | I 4,[5],12:i:- | No | 2 | T; ASSuT |
|   |  | 2012 | Typhimurium; I 4,[5],12:i:- | No | 3 | T; SSuT; ASuTKanSxt |
|   |  | 2012 | Adelaide; Anatum; Braenderup; Cerro; Litchfield | No | 217 | SSuT |

a An outbreak of foodborne disease was defined as the occurrence of two or more cases of a similar illness resulting from ingestion of a common food.

b Implicated foods were classified using the Interagency Food Safety Analytics Collaboration (IFSAC) food categorization scheme[[9](#_ENREF_9)].

c Outbreaks for which implicated ingredients could not be assigned to one food group were unclassifiable.

d Antimicrobial resistance is denoted using these abbreviations: A (Ampicillin); Au (Amoxicillin-clavulanic acid); C (Chloramphenicol); Cf (Ceftiofur); Cx (Ceftriaxone); Fox (Cefoxitin); Gen (Gentamicin); Kan (Kanamycin); Nal (Nalidixic acid); S (Streptomycin); Su (Sulfamethoxazole/Sulfisoxazole); Sxt (Trimethoprim-sulfamethoxazole); T (Tetracycline).

e Multiple isolates from each outbreak were tested; all resistance patterns observed are listed and separated by a semicolon.

f Dosai was made using rice and lentils.