

2 bands different (~ 200 and ~ 80 region) as I see it on the picture.

Douris – does the ~ 200 region band constitute a real difference ! (I would imagine yes!)

Thanks

What remains to be done

<<6002696219 FF Invoice.pdf>> <<Originating Spreadsheet Special 102413.xlsx>> <<2013-10-22_Phase1-Heidelbergs.xlsx>>

Hello,

We have a compelling link in the Foster Farms illness outbreak investigation. This revolves around (b) (6) The case patient shopper data and intensified sampling conducted at the three Foster farms facilities in California was utilized. The linkages are detailed below:

- (b) (6) tested for positive for PFGE 045, and the like sample collected on the same date, sample form ID number 100583269, as one of the pack dates is PFGE 045, which is the same PFGE pattern.
- The product purchased by the case patient and the like sample, Foster Farms boneless, skinless thighs, were slaughtered at P-7632 on 9/9/2013 and were processed/packed at P-6137A on 9/9/2013.
- There are other multiple sample positives for PFGE 45 at p-7632 and P-6137A on 9/9/2013, both parts and whole birds.

I have attached invoice 6002696219 that shows the link in commerce between Foster Farms and the COSTCO store where the case patient purchased the product. I have also attached a spreadsheet titled “original Spreadsheet Special” that demonstrates the linkages between (b) (6) and the samples collected at Foster farms, and finally, I have attached the sample data spreadsheet that represents all samples collected at the three Foster farms facilities.

About the other CPs, are not as compelling:

Case patients (b) (6) – We could not make a connection between FSIS sampling dates for Est. 7632 & Est. 6137 for product comprising the load distributed to Costco, part of which may have been consumed by both case patients. Product from Est. 33900 was also included in the load to Costco.

Case patients (b) (6) – Product (Rotisserie Chicken) available on the purchase day consisted of seven Foster Farms invoices to Costco with several different slaughter and pack dates from Est. 7632, 6137, 6137A, and 33900. Positive test results, PFGE pattern 258, from FSIS sampling with slaughter dates of; 9/7, 9/9, 9/10, 9/11, and 9/17, taken at Est. 6137 and 6137A made up part of the product included on the invoices.

Case patient (b) (6) – OIEA is still waiting on California for membership card information.

Case patient (b) (6) - OIEA is still waiting on California for additional purchase dates.

Case patients (b) (6) – Product (Rotisserie Chicken) available on the day of purchase consisted of a single invoice from Foster Farms to Costco. Product represented on the invoice originated from Est. P-7632 and P-33900. Positive test results, PFGE pattern 258, from FSIS sampling with a slaughter date of 9/9 from Est. 7632 comprised part of the load.

The CCMS patient in NV:

OPHS spoke with complainant as did OIEA's investigator. Review labs – CBC- WNL, Chemistry Profile – Elevated liver enzymes, Stool Sample negative for Salmonella, Shigella and Campy. He might give us some of the sample but not all of it. We are concerned about how we would do that.

Alice and SDC pl:

Isolate numbers

Types of parts, production/analysis dates and PFGEs

PFGE Types

P1

P2

P3

P4

P5

whole

Patient info

FSIS; Defibaugh-Chavez, Stephanie - FSIS

Subject: RE: Positive chicken sample for S. Heidelberg patient (b) (6)

Hi David

Stephanie, Alice and Aphrodite are looking at the following two issues and here are our initial thoughts:

1) OIEA has established a compelling link in the Foster Farms illness outbreak investigation. Here are the details from (b) (6)

This revolves around (b) (6). The case patient shopper data and intensified sampling conducted at the three Foster farms facilities in California was utilized. The linkages are detailed below:

- (b) (6) tested for positive for PFGE 045, and the like sample collected on the same date, sample form ID number 100583269, as one of the pack dates is PFGE 045, which is the same PFGE pattern.
- The product purchased by the case patient and the like sample, Foster Farms boneless, skinless thighs, were slaughtered at P-7632 on 9/9/2013 and were processed/packed at P-6137A on 9/9/2013.
- There are other multiple sample positives for PFGE 45 at p-7632 and P-6137A on 9/9/2013, both parts and whole birds.
- SDC will look into this further....

2) P6137A PFGE pattern JF6X01.0122 (5/10 subs positive), additional 2 being tested for PFGEs; case patient has PFGE type 45

- Although:
 - o during the specpgm_02 Sept sampling there was a single positive with pattern .0122 from the same establishment
 - o the fact that mixed PFGE patterns can be found in the same sample
 - o There may be overwhelming indirect evidences..
 - o We cannot make a conclusive claim that there is a link between the patient and chicken samples recovered from the patients home

- o A close examination of the two band difference between 0122 and 45 shows that - these are distinctly different PFGE types (on the gel)
- o We are awaiting the final results from the additional 2 PFGEs
- o We are analyzing the hospitalization rate for the two PFGE types
- o Etc.

Thanks much!

Uday

Yes, I would say that these two patterns are significantly different.

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From: Dessai, Uday - FSIS
Sent: Friday, October 25, 2013 2:22 PM
To: Green, Alice - FSIS
Cc: Defibaugh-Chavez, Stephanie - FSIS; Douris, Aphrodite - FSIS
Subject: RE: Heidelberg similarity matrix

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From: Dessai, Uday - FSIS
Sent: Monday, October 28, 2013 3:17 PM
To: Dessai, Uday - FSIS; Goldman, David - Commissioned Corps - FSIS; Kause, Janell - FSIS
Cc: Green, Alice - FSIS; Robertson, Kis - FSIS; Kissler, Bonnie - FSIS; Bennett, Patty - FSIS; Douris, Aphrodite - FSIS; Defibaugh-Chavez, Stephanie - FSIS
Subject: RE: Positive chicken sample for S. Heidelberg patient (b) (6)

Also here are summary points from SDC email from Friday:

About case-patient (b) (6) traceback and FSIS intensified sampling:

The specific product identified is a boneless skinless chicken thigh product. It was collected at P6137A but was produced from source materials that originated from P7632 (slaughtered on 9/9/2013). StephanieDC had suggested in her Friday's email to consider recalling all chicken products (including parts and whole chicken!) produced from birds slaughtered on 9/9/2013 at P7632. This was based on the fact that 11 total product –positives were produced from source materials that originated from P7632 (slaughtered on 9/9/2013 and includes a variety of parts and whole/rotisserie chicken.

Thanks much!

Uday

From: Dessai, Uday - FSIS
Sent: Monday, October 28, 2013 8:57 AM
To: Goldman, David - Commissioned Corps - FSIS; Kause, Janell - FSIS
Cc: Green, Alice - FSIS; Robertson, Kis - FSIS; Kissler, Bonnie - FSIS; Bennett, Patty - FSIS; Douris, Aphrodite -