

Supplementary Materials: Pathogenic and non-pathogenic microorganisms in the Rapid Alert System for Food and Feed (pathogenic microorganisms)

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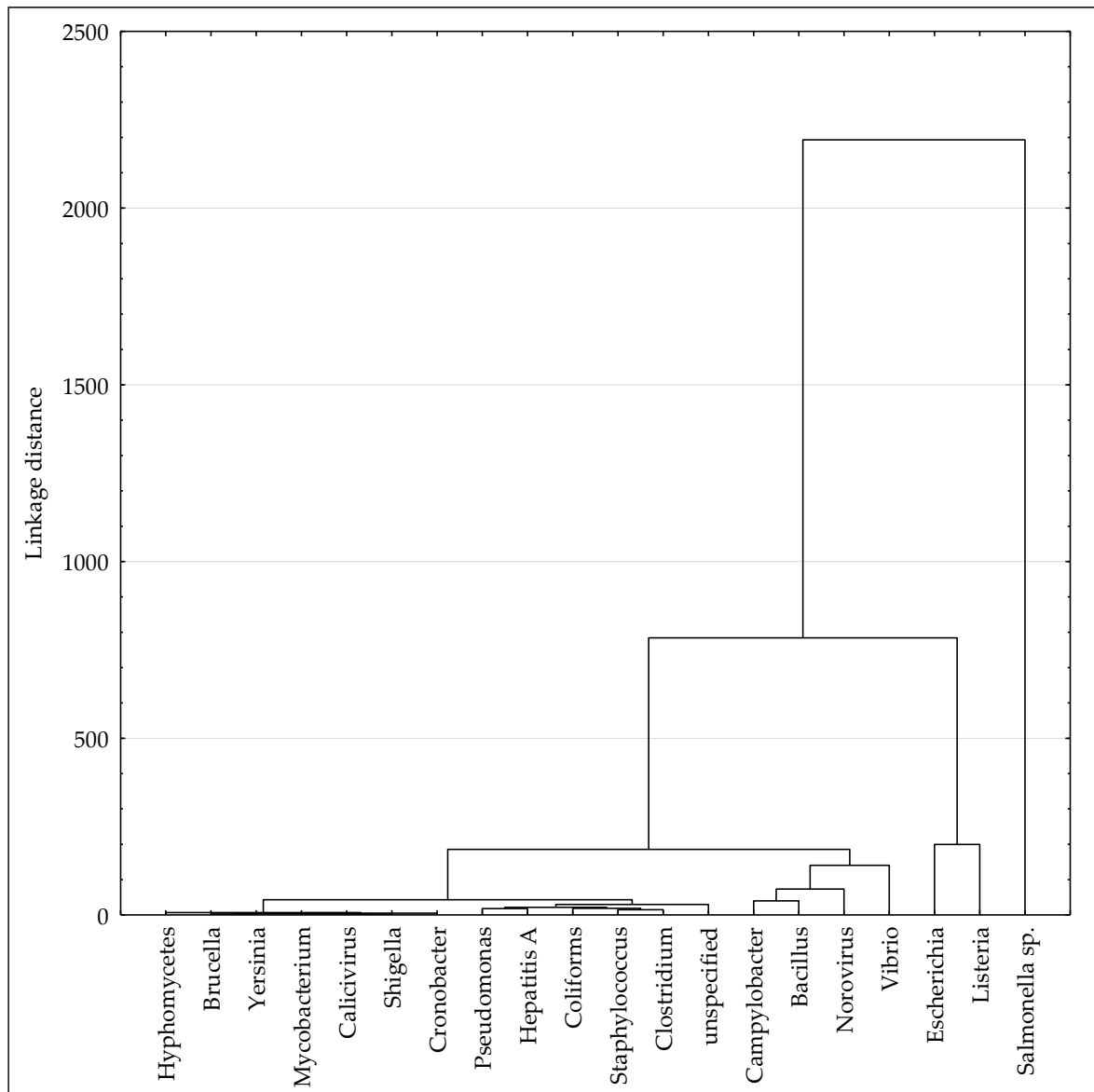


Figure S1. Similarities of RASFF notifications on pathogenic microorganisms and year within food using joining.

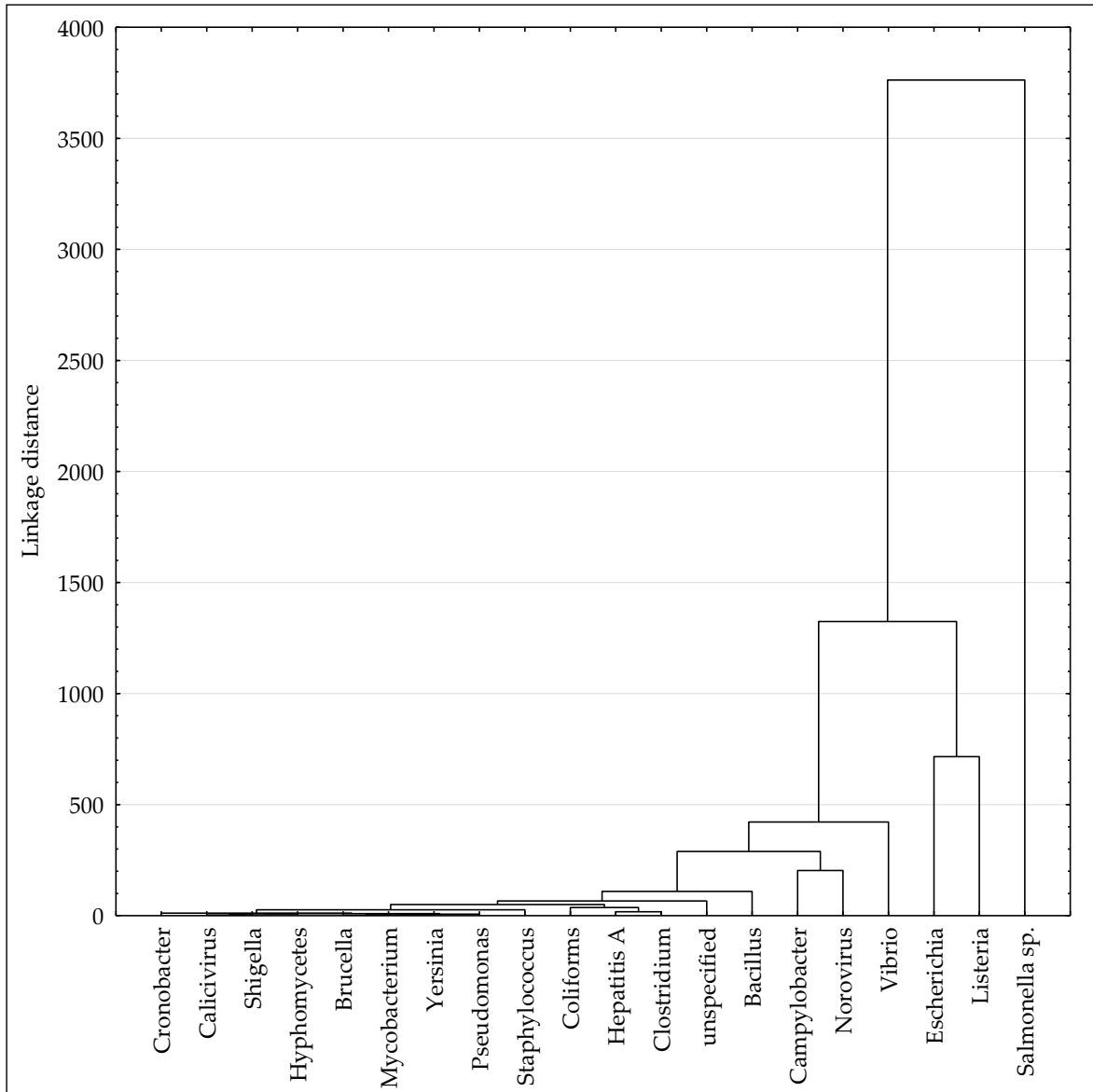


Figure S2. Similarities of RASFF notifications on pathogenic microorganisms and product category within food using joining.

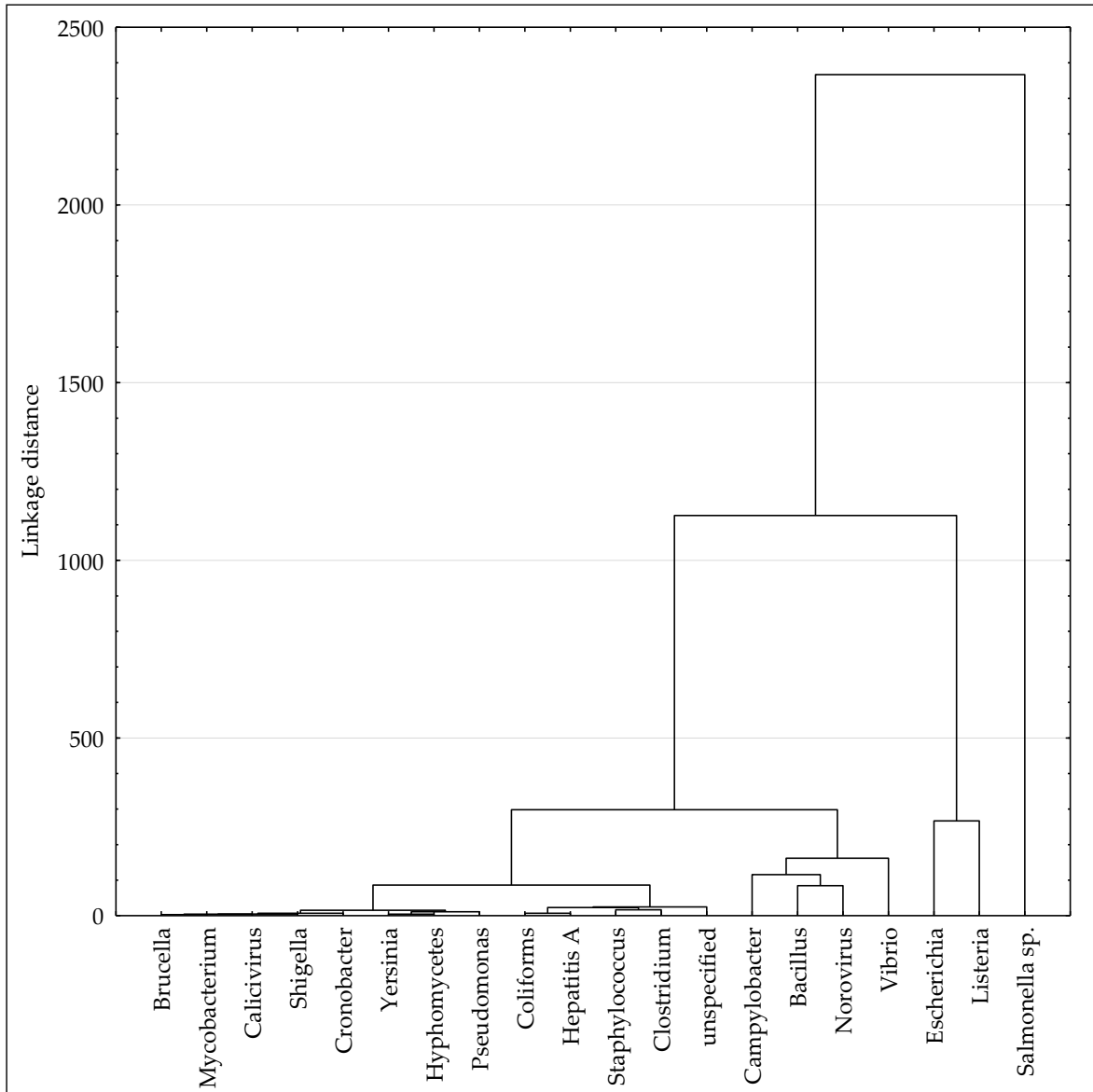


Figure S3. Similarities of RASFF notifications on pathogenic microorganisms and notifying country within food using joining.

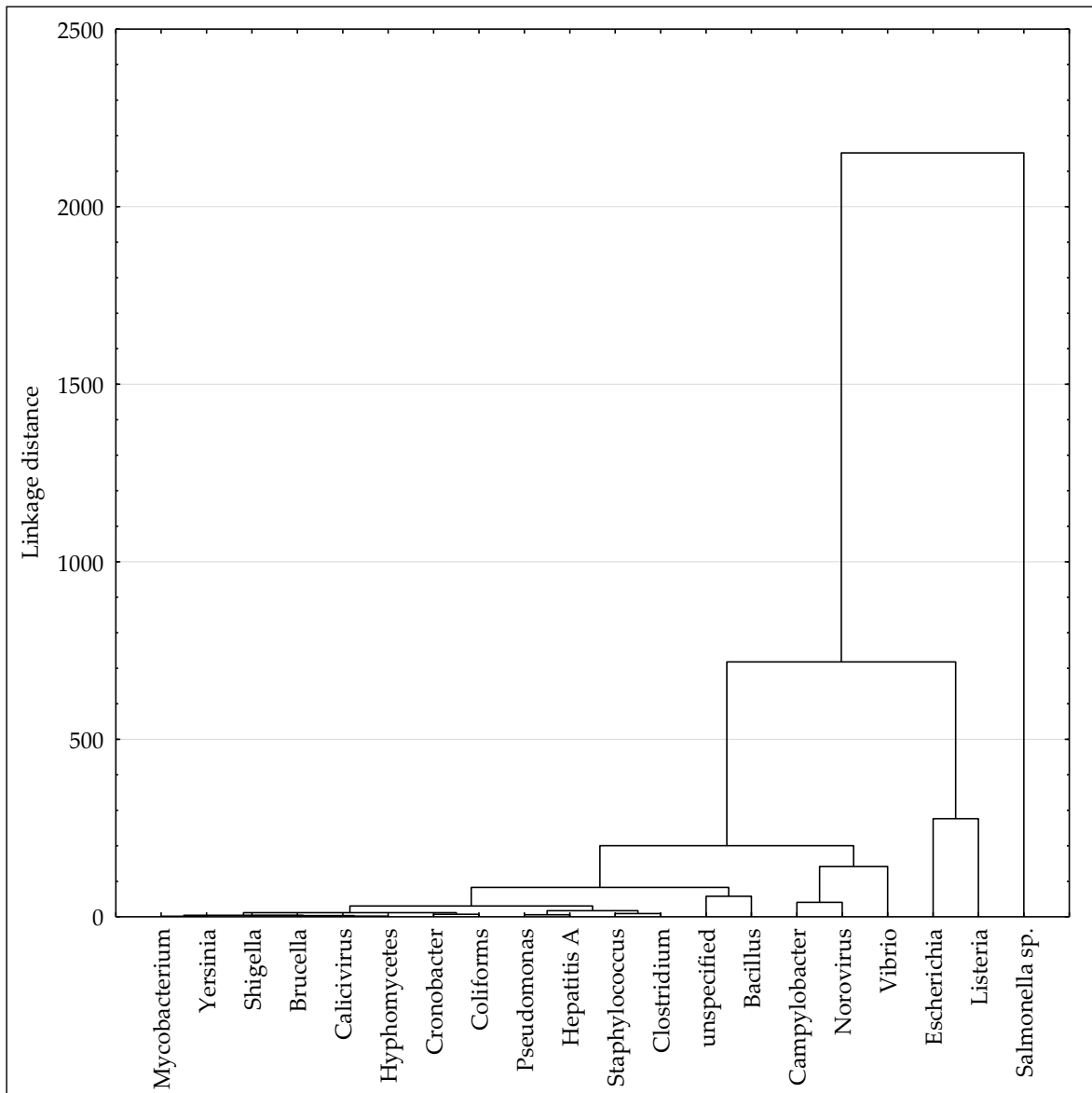


Figure S4. Similarities of RASFF notifications on pathogenic microorganisms and origin country within food using joining.

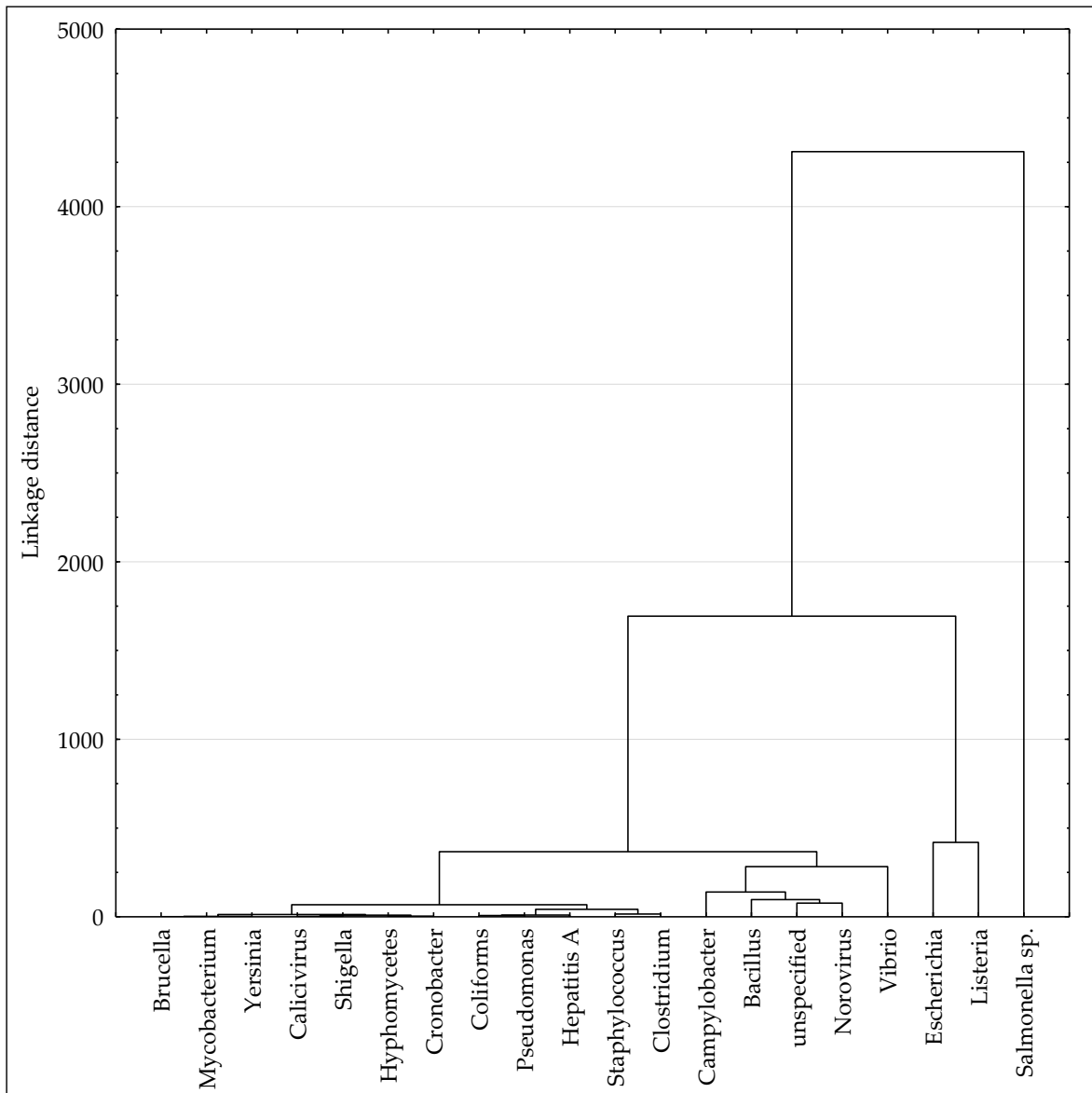


Figure S5. Similarities of RASFF notifications on pathogenic microorganisms and notification basis within food using joining.

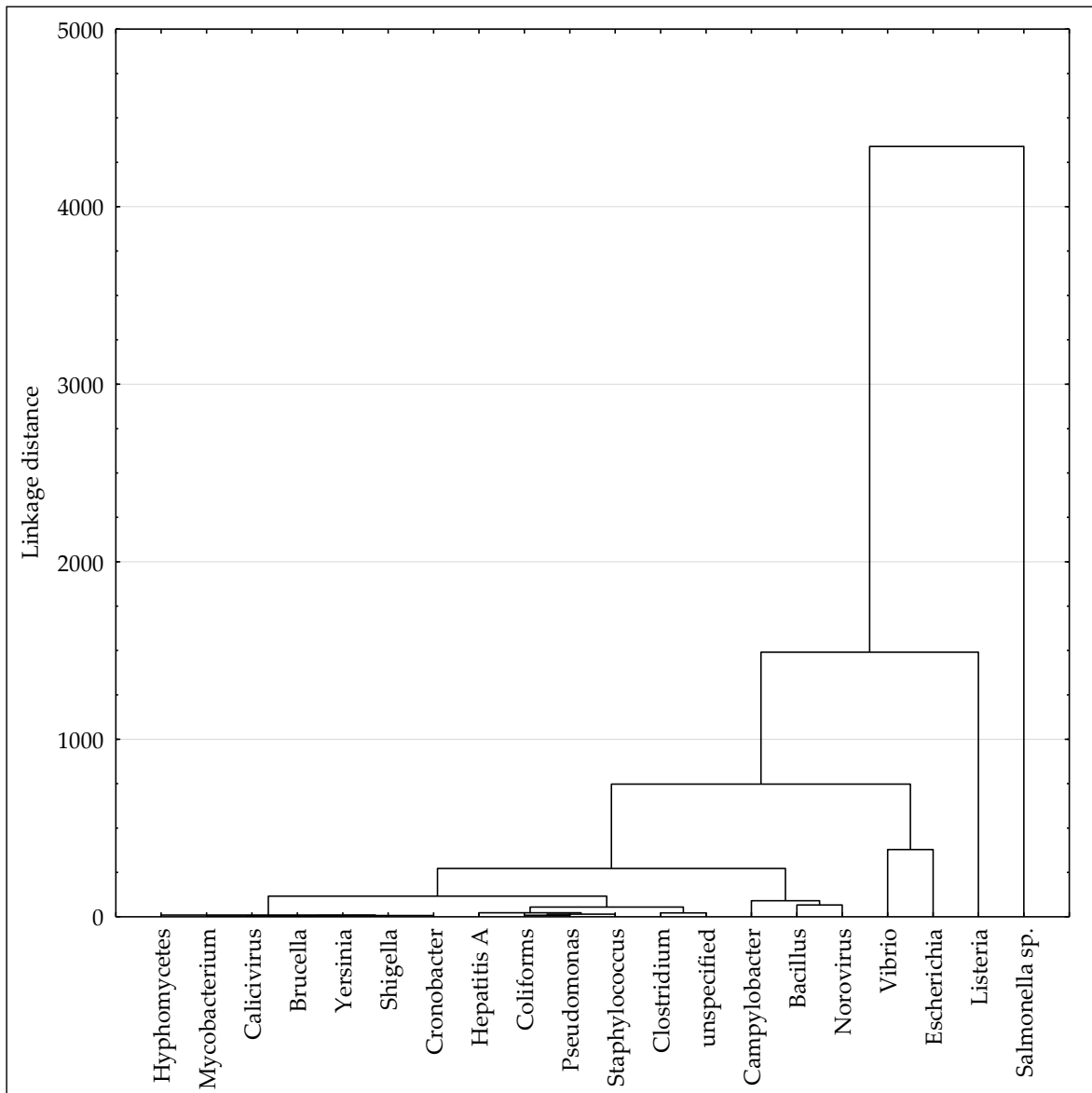


Figure S6. Similarities of RASFF notifications on pathogenic microorganisms and notification type within food using joining.

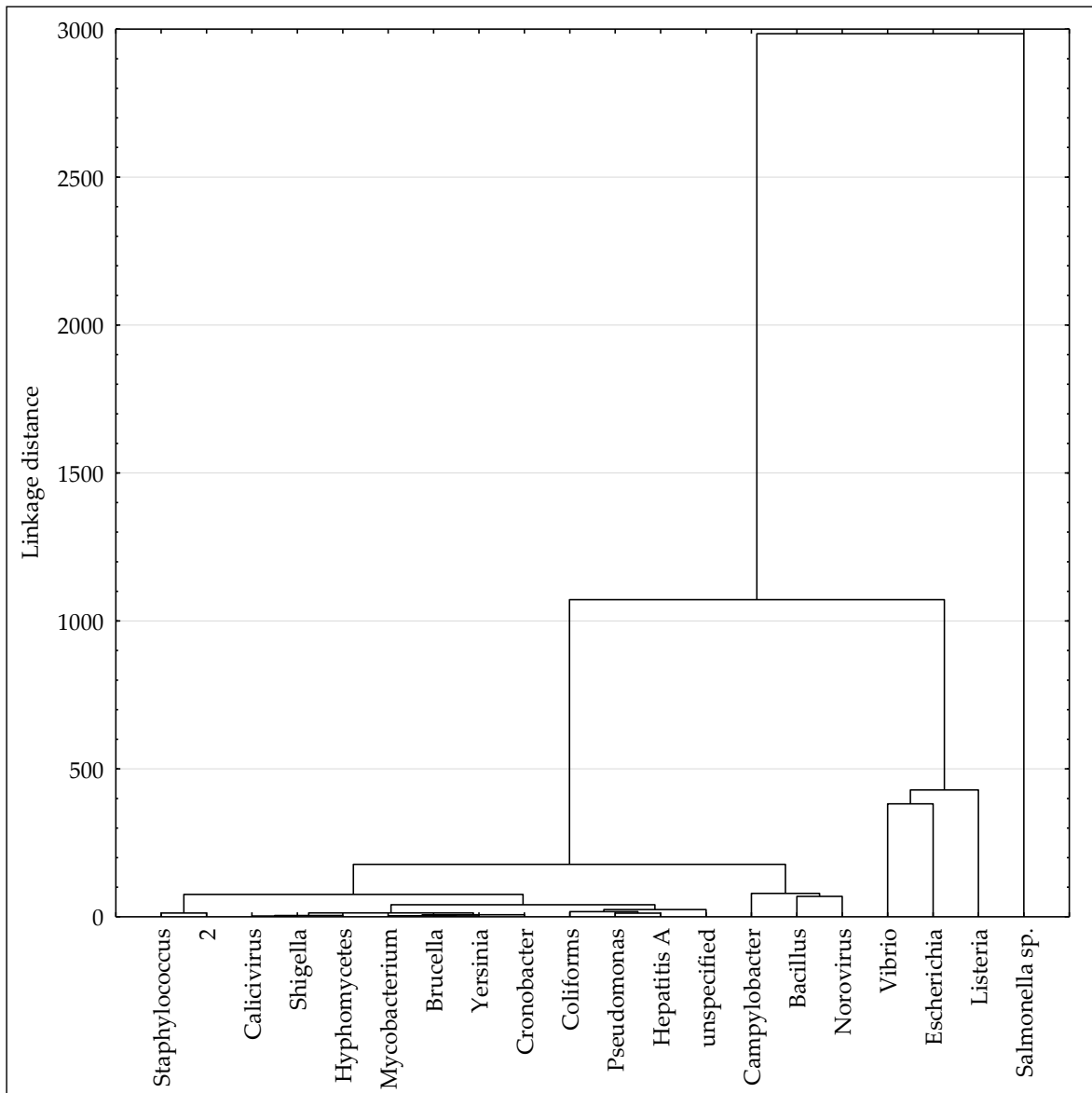


Figure S7. Similarities of RASFF notifications on pathogenic microorganisms and distribution status within food using joining.

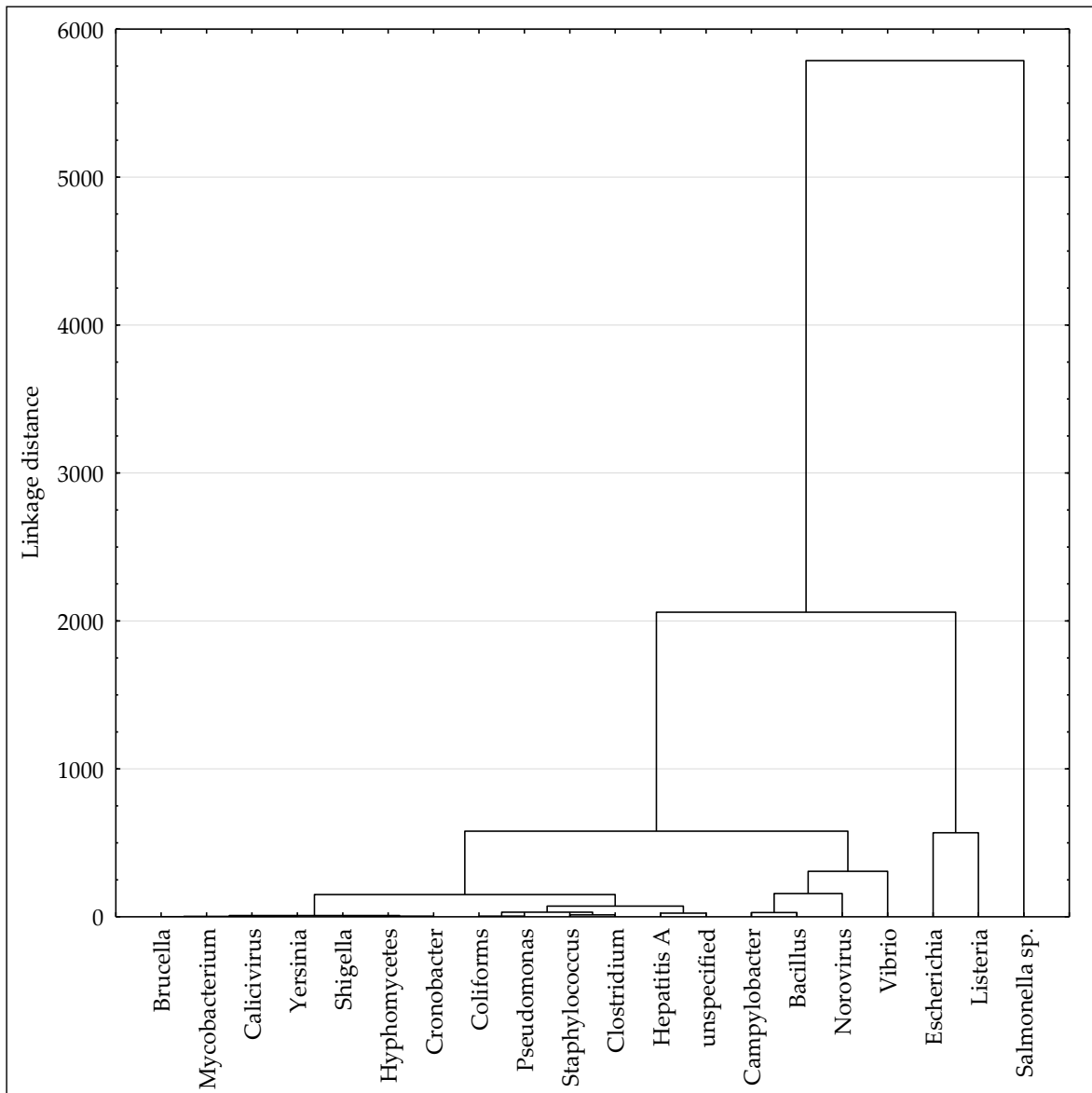


Figure S8. Similarities of RASFF notifications on pathogenic microorganisms and risk decision within food using joining.

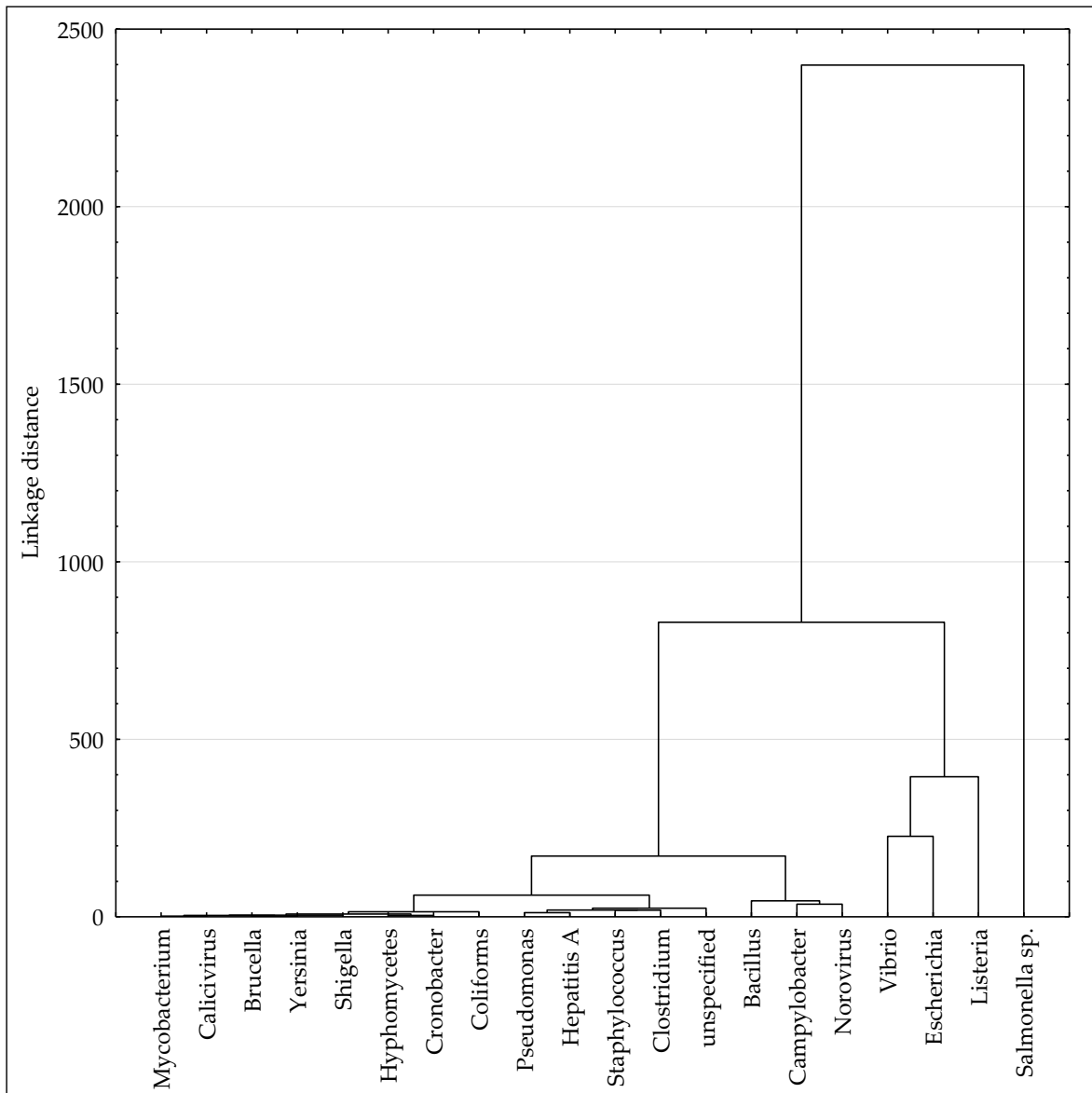


Figure S9. Similarities of RASFF notifications on pathogenic microorganisms and action taken within food using joining.

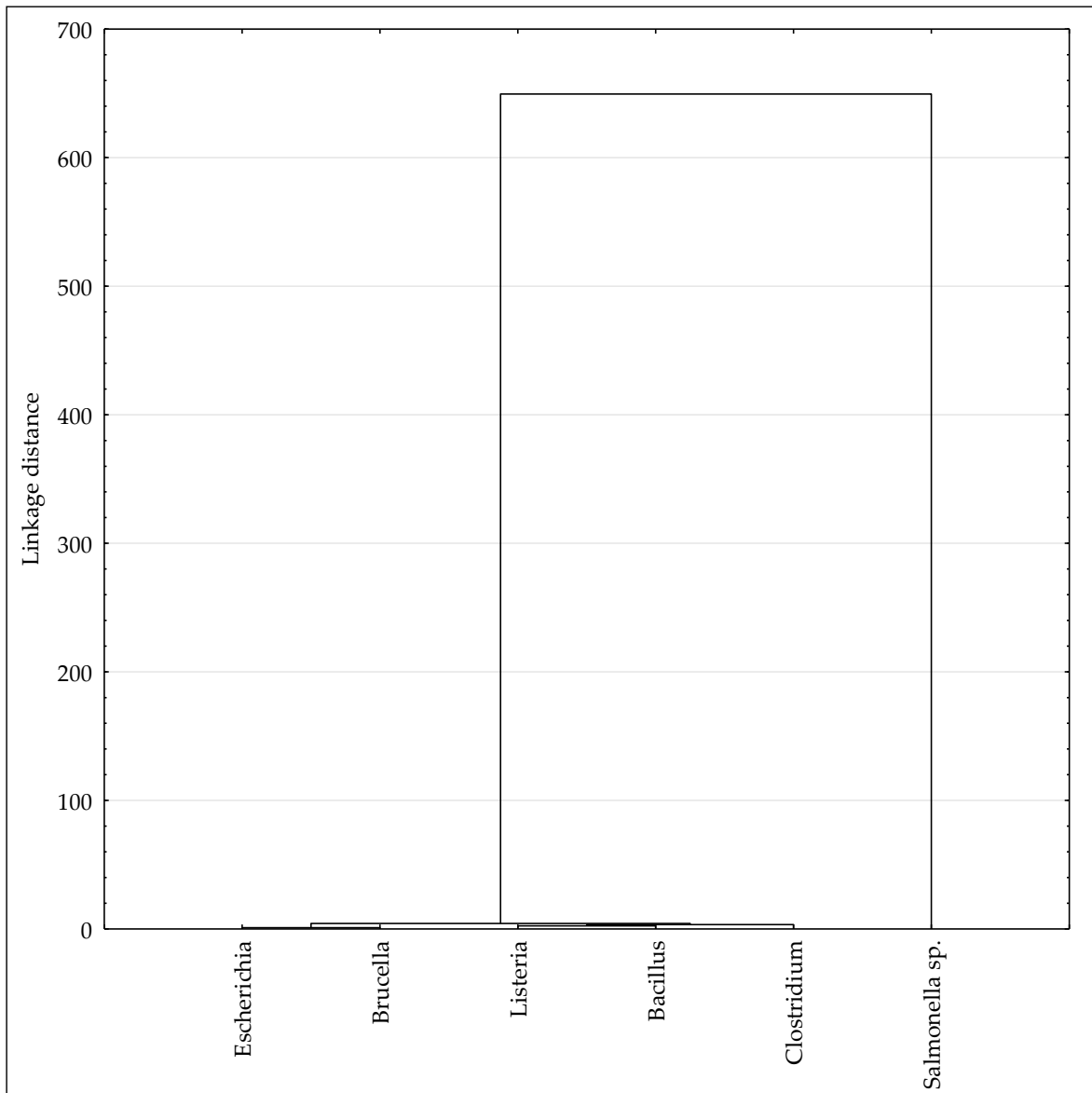


Figure S10. Similarities of RASFF notifications on pathogenic microorganisms and year within feed using joining.

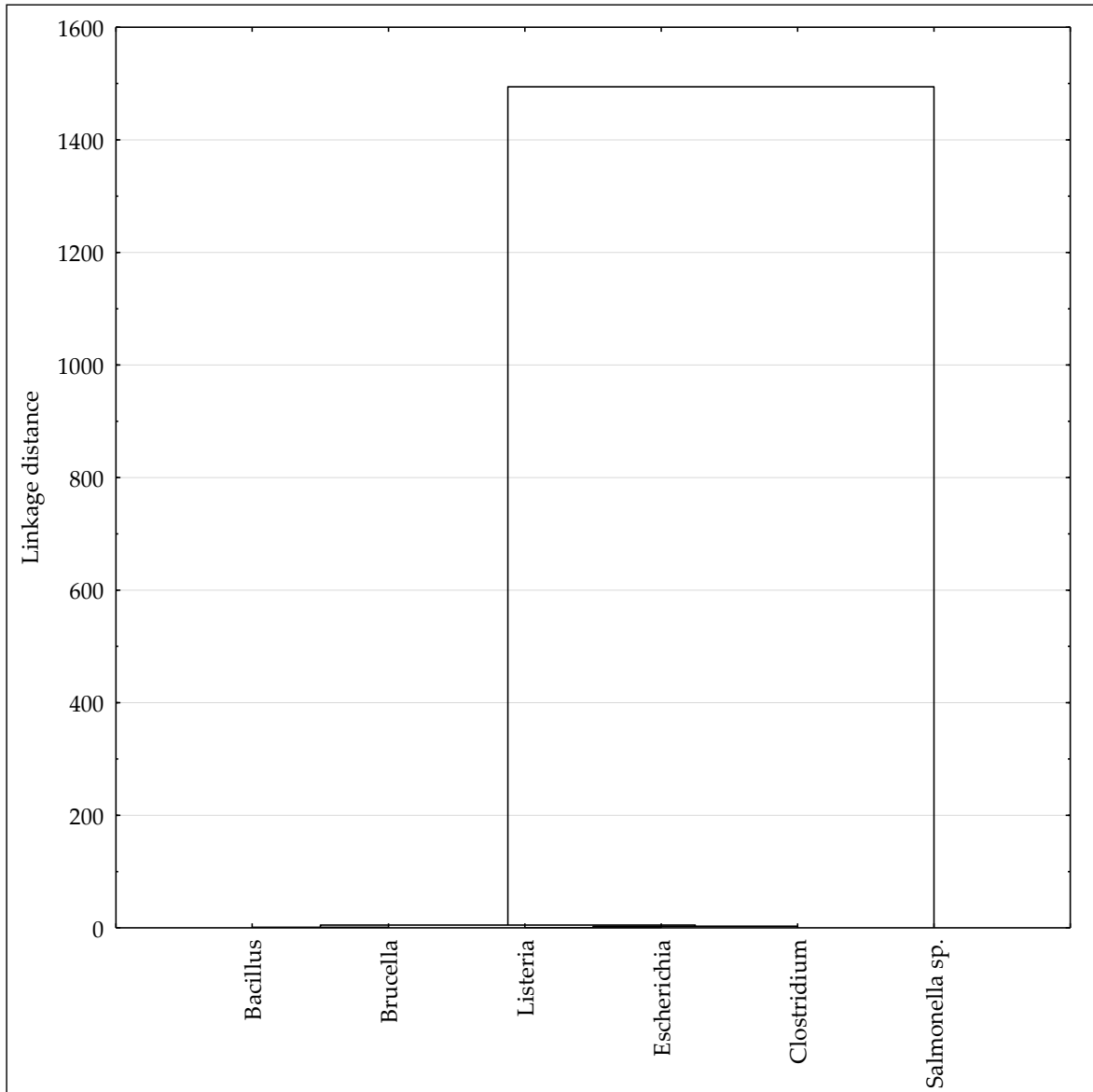


Figure S11. Similarities of RASFF notifications on pathogenic microorganisms and product category within feed using joining.

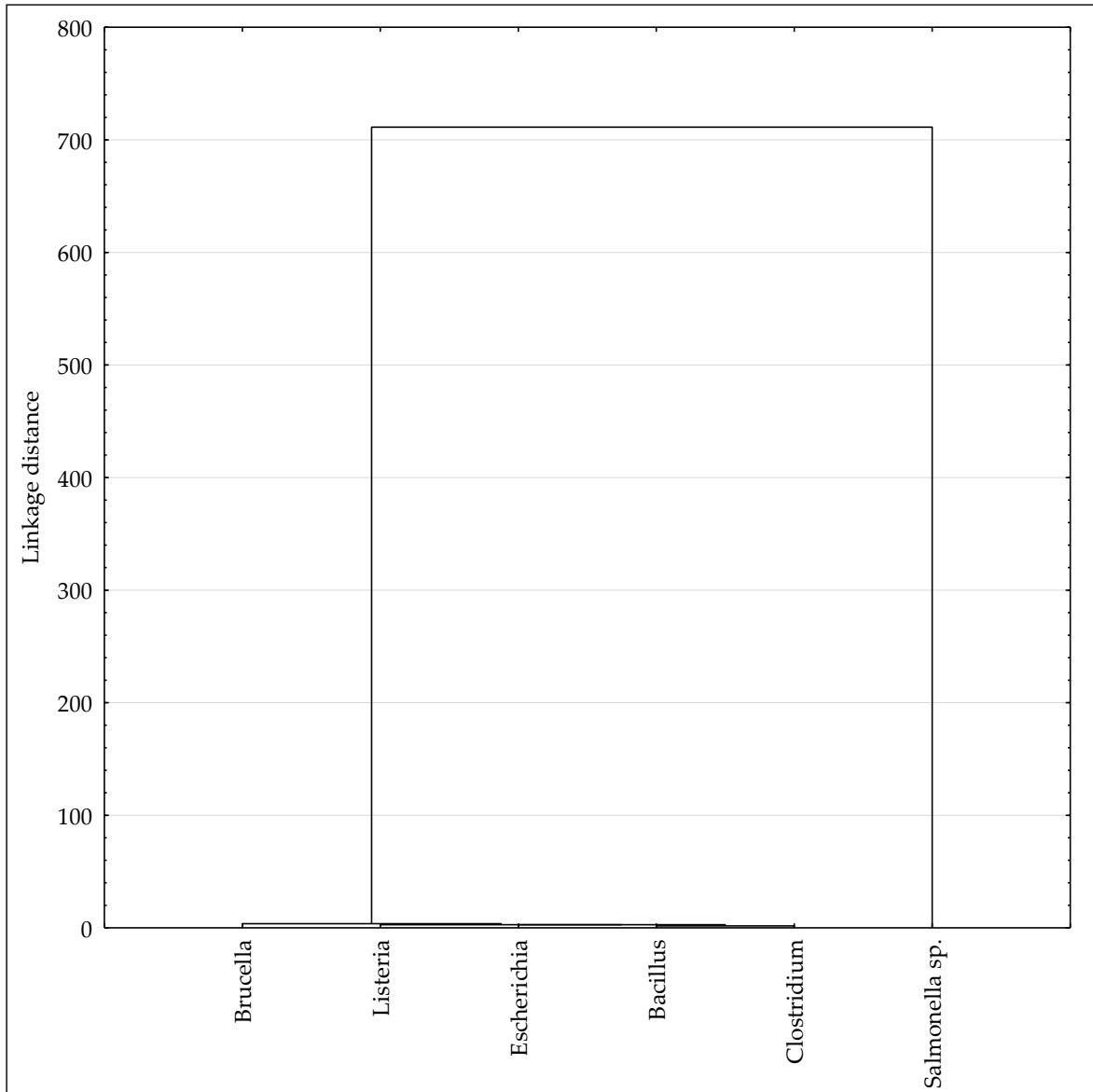


Figure S12. Similarities of RASFF notifications on pathogenic microorganisms and notifying country within feed using joining.

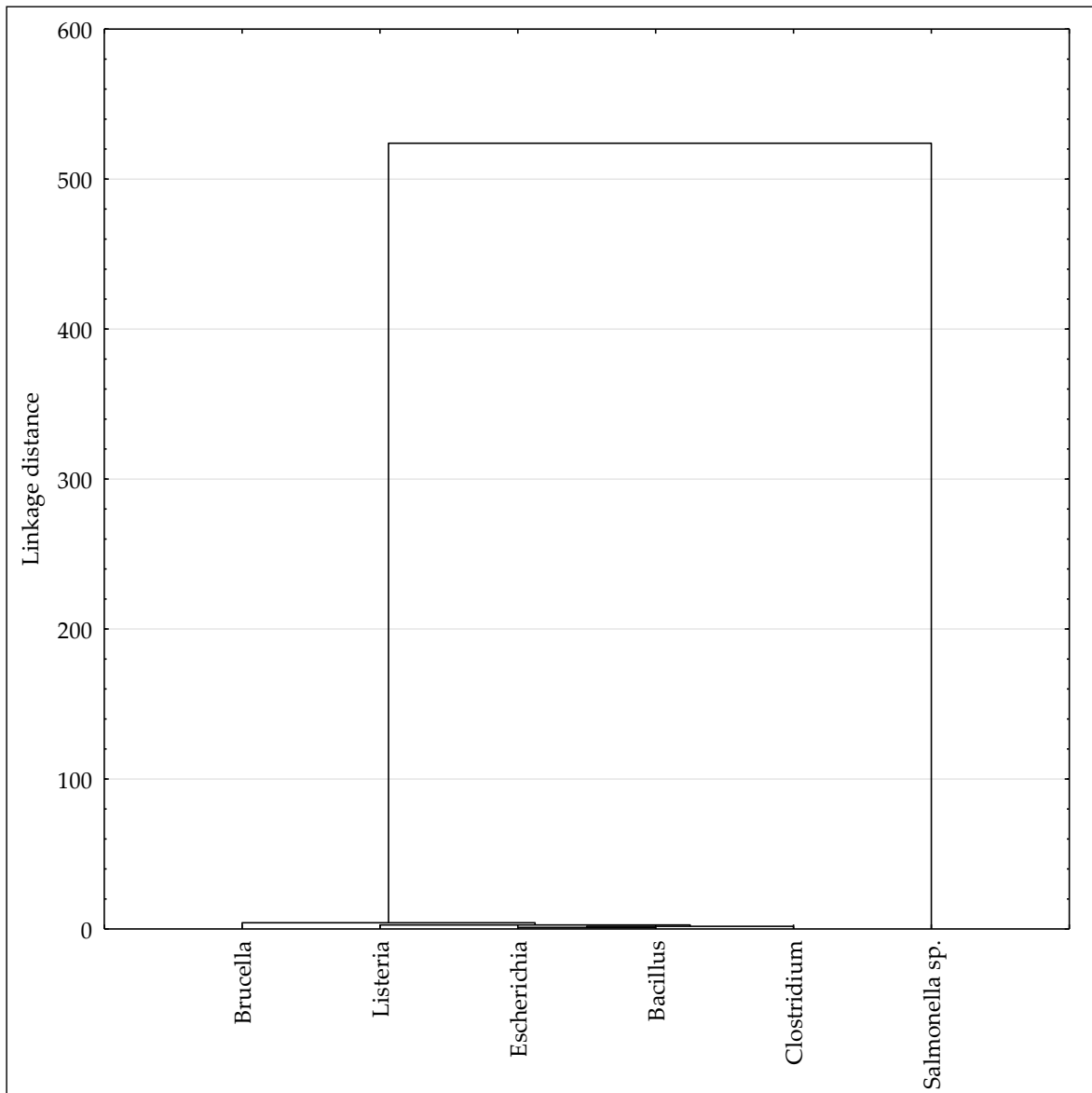


Figure S13. Similarities of RASFF notifications on pathogenic microorganisms and origin country within feed using joining.

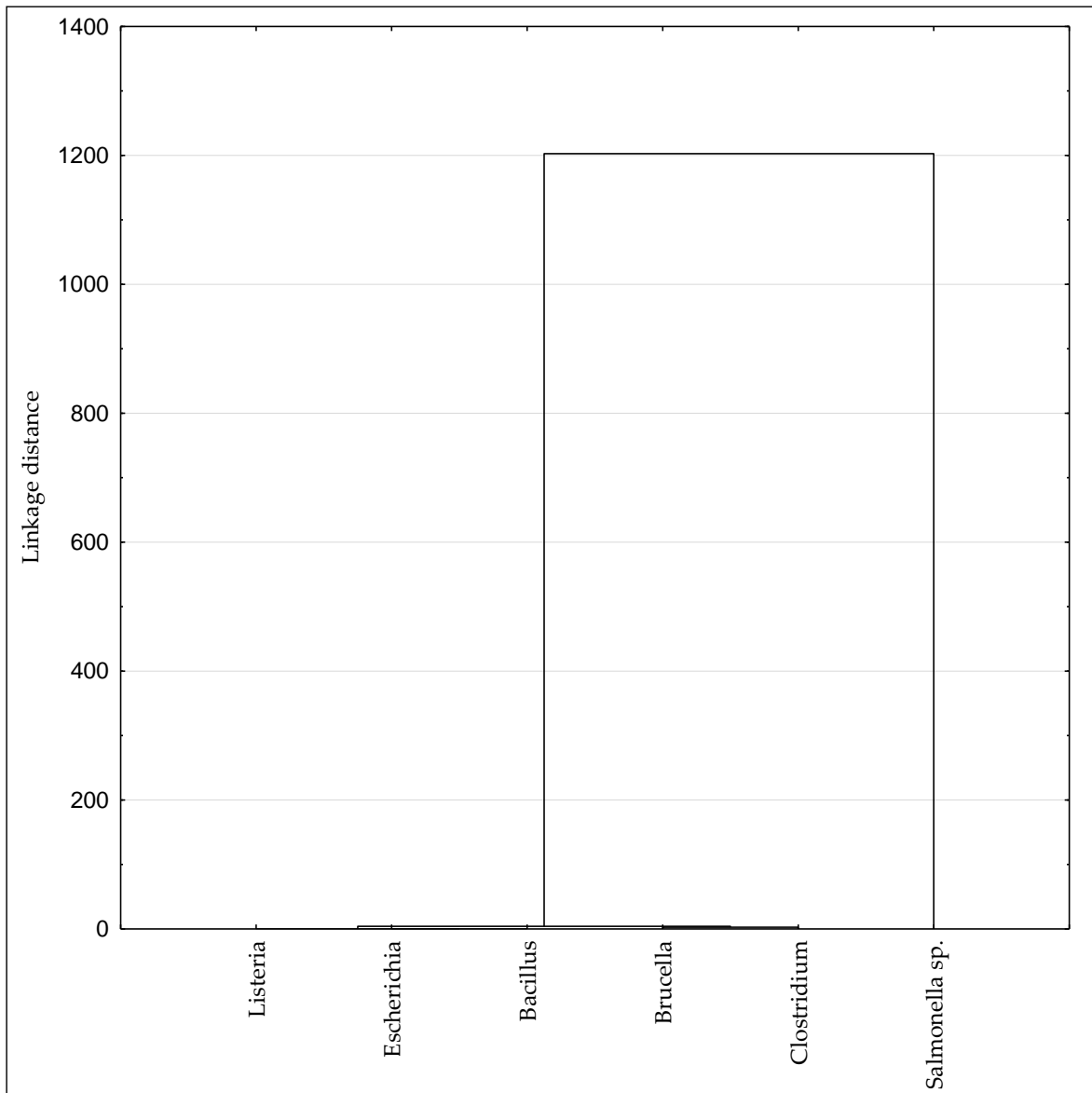


Figure S14. Similarities of RASFF notifications on pathogenic microorganisms and notification basis within feed using joining.

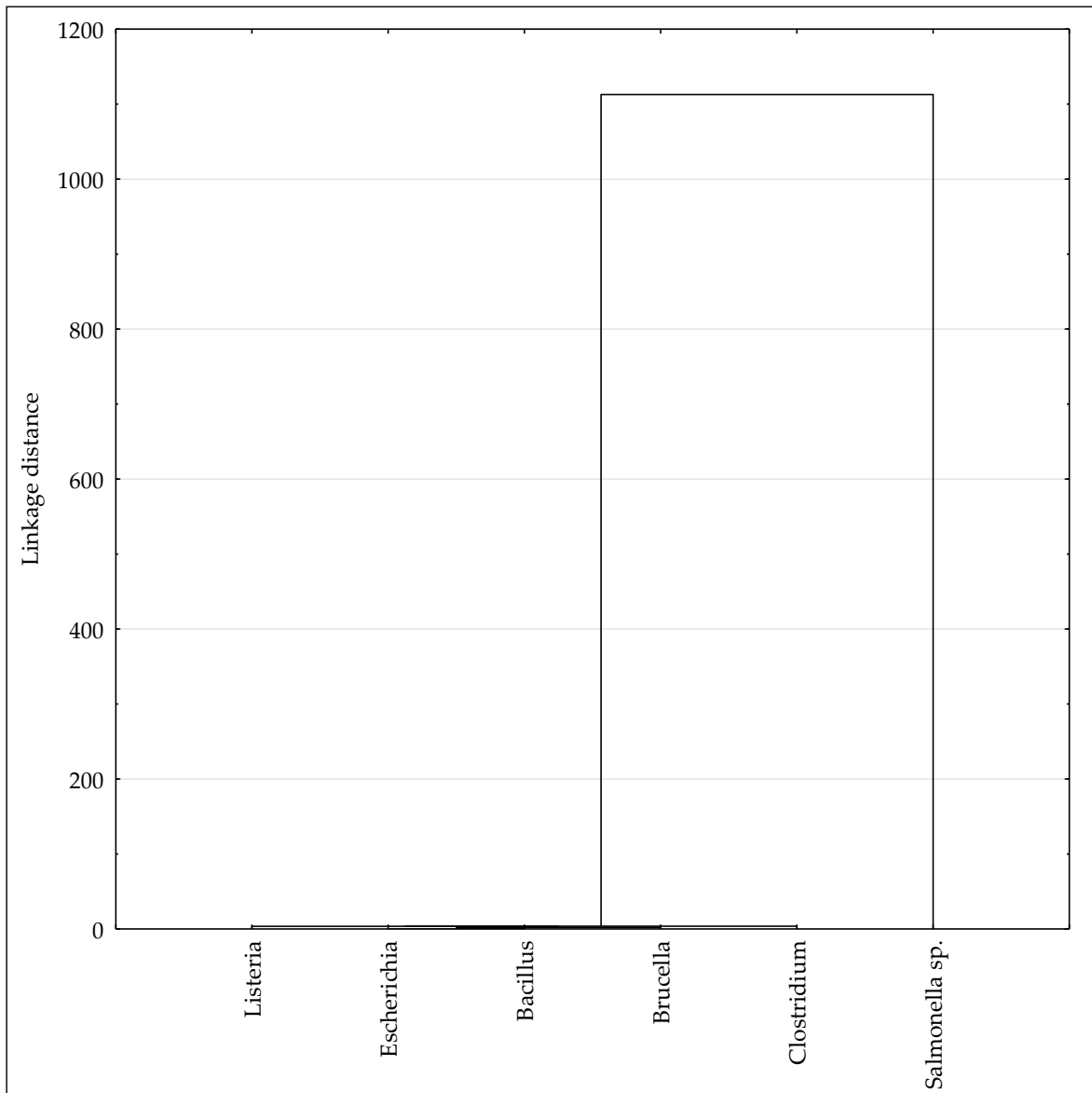


Figure S15. Similarities of RASFF notifications on pathogenic microorganisms and notification type within feed using joining.

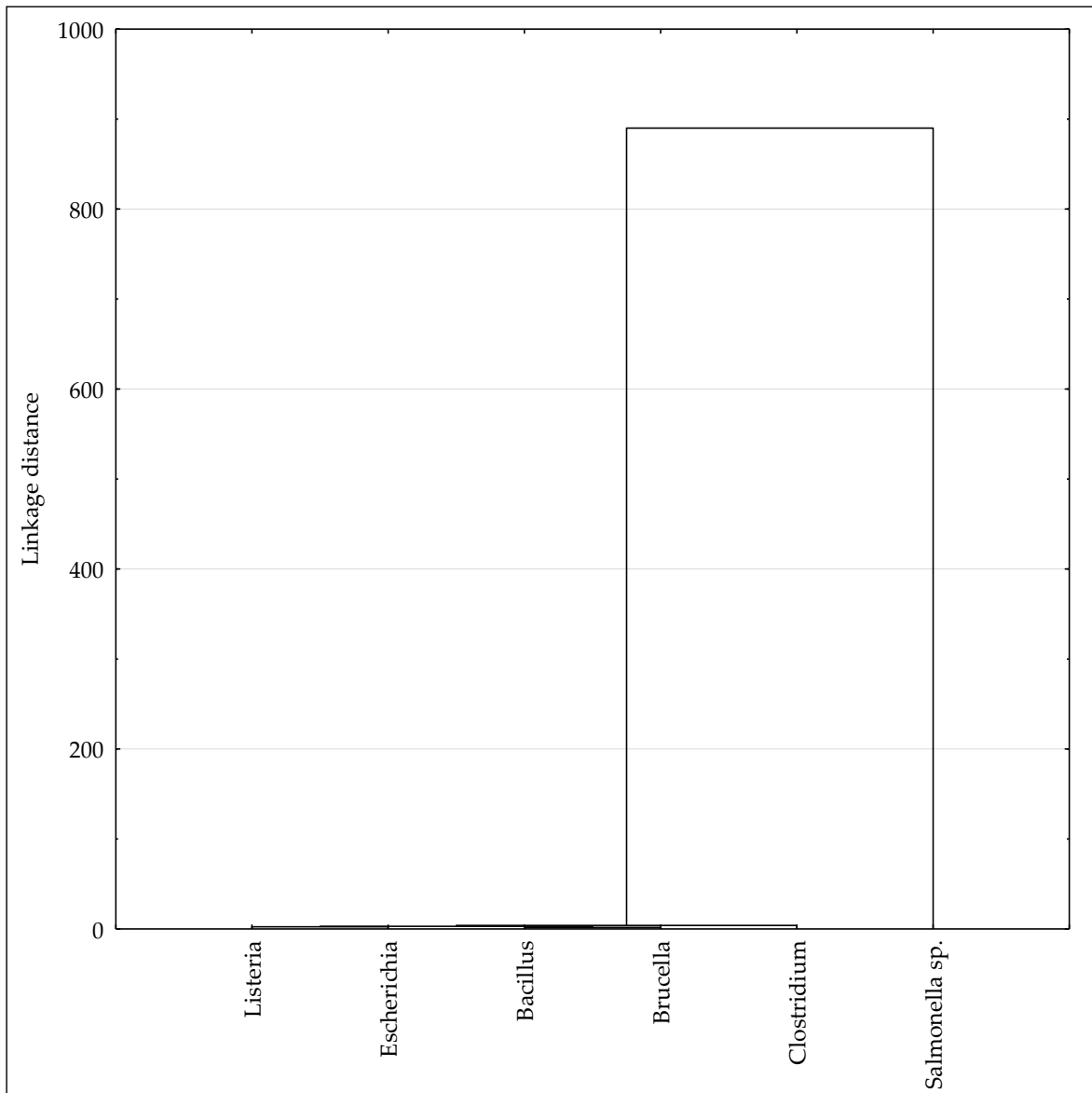


Figure S16. Similarities of RASFF notifications on pathogenic microorganisms and distribution status within feed using joining.

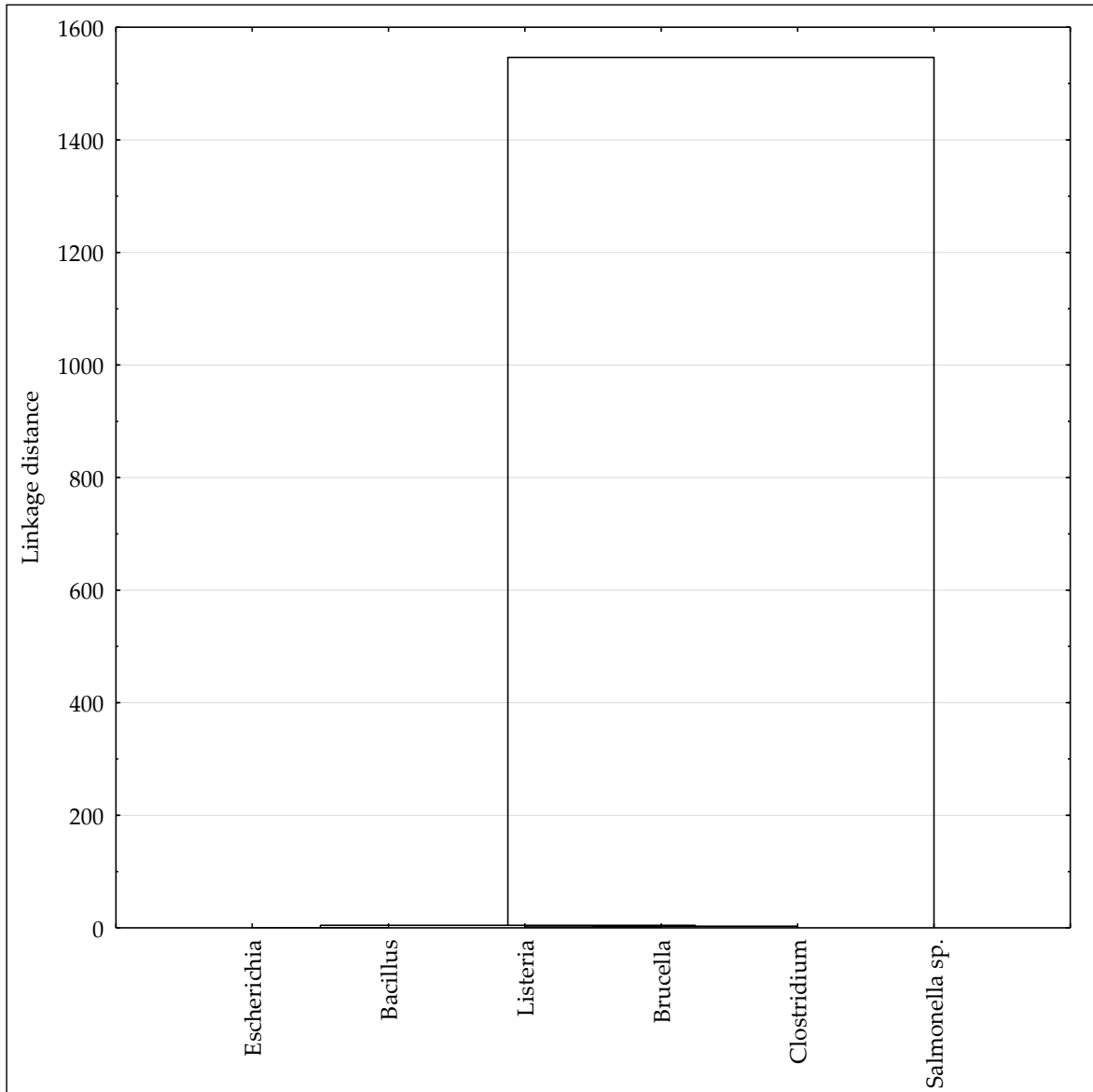


Figure S17. Similarities of RASFF notifications on pathogenic microorganisms and risk decision within feed using joining.

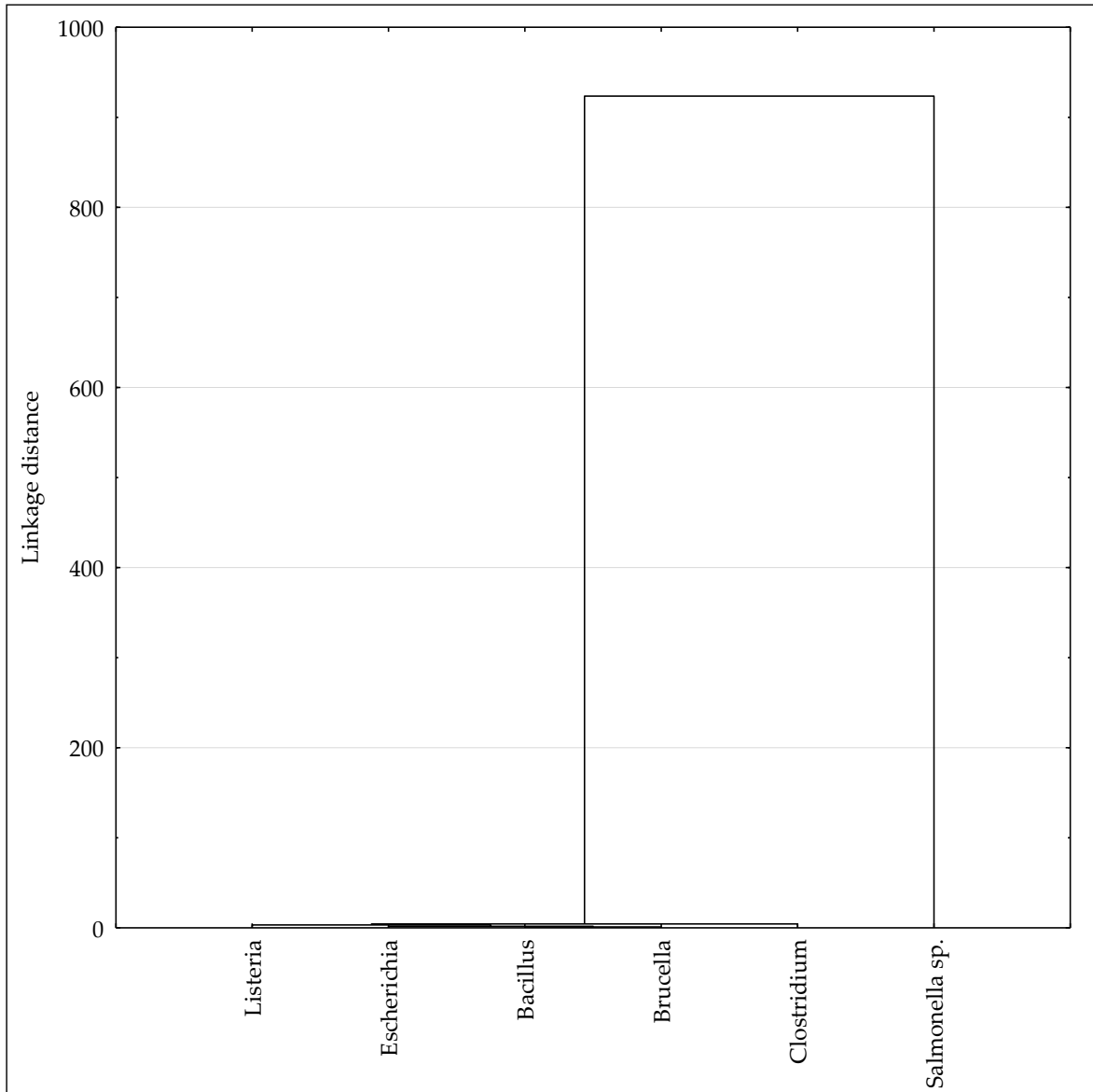


Figure S18. Similarities of RASFF notifications on pathogenic microorganisms and action taken within feed using joining.

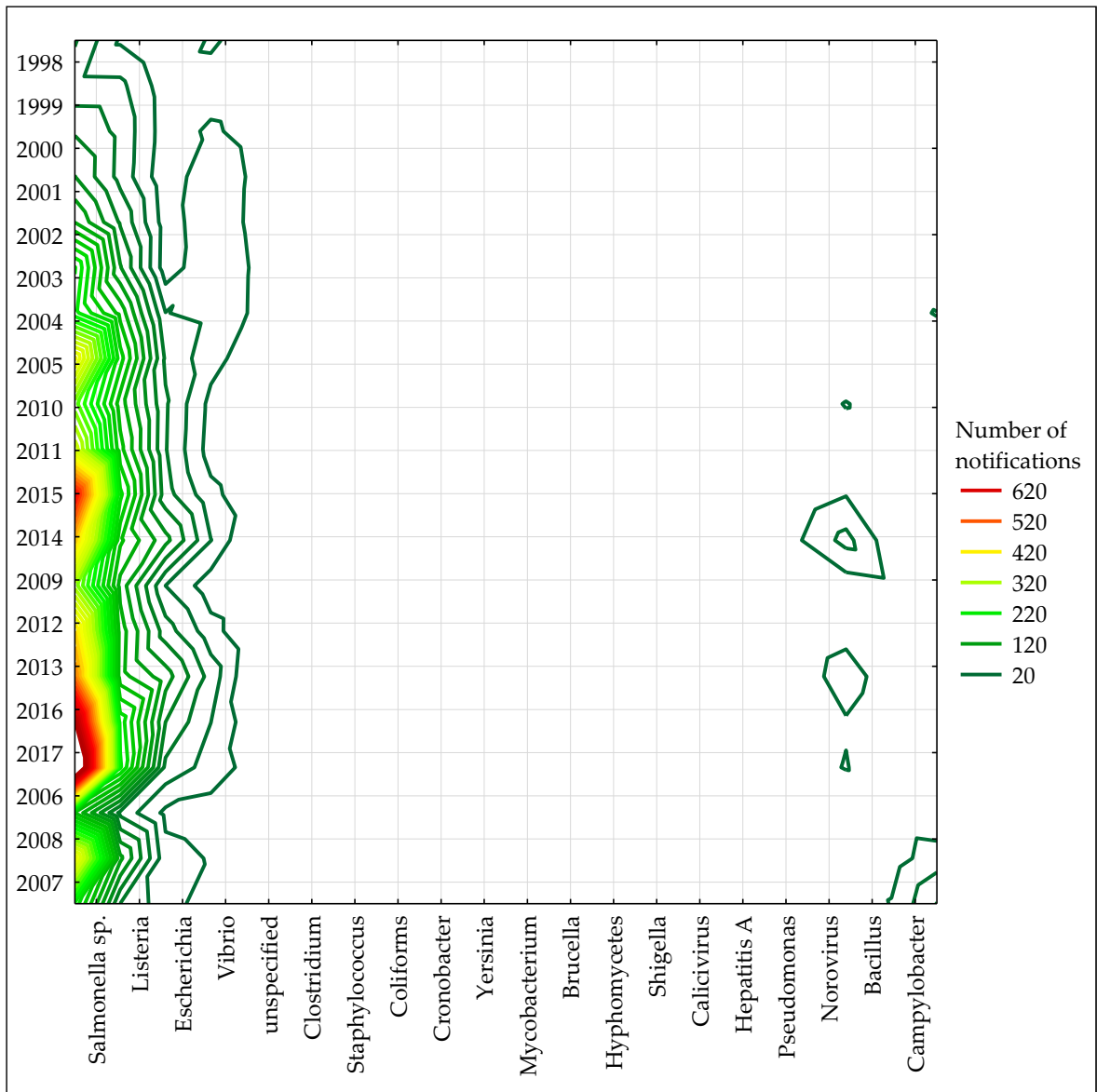


Figure S19. Similarities of RASFF notifications on pathogenic microorganisms and year within food using two-way joining.

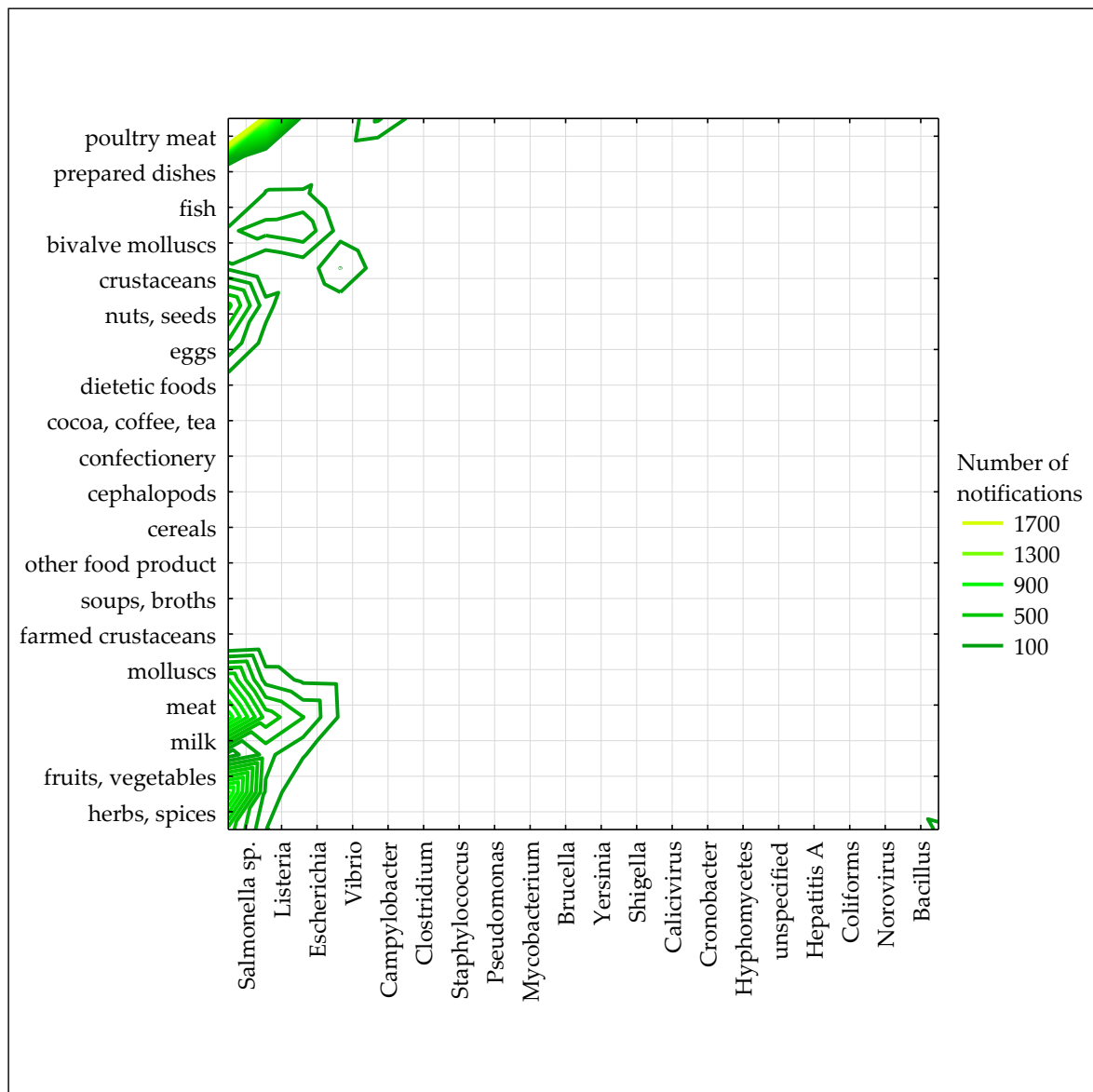


Figure S20. Similarities of RASFF notifications on pathogenic microorganisms and product category within food using two-way joining.

- bivalve molluscs – bivalve molluscs and products thereof
- cephalopods – cephalopods and products thereof
- cereals – cereals and bakery products
- cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
- crustaceans – crustaceans and products thereof
- dietetic foods – dietetic foods, food supplements, fortified foods
- eggs – eggs and egg products
- farmed crustaceans – farmed crustaceans and products thereof - (obsolete)
- fish – fish and fish products
- fruits, vegetables – fruits and vegetables
- herbs, spices – herbs and spices
- meat – meat and meat products (other than poultry)
- milk – milk and milk products
- molluscs – molluscs and products thereof - (obsolete)
- nuts, seeds – nuts, nut products and seeds
- other food product – other food product / mixed
- poultry meat – poultry meat and poultry meat products
- prepared dishes – prepared dishes and snacks
- soups, broths – soups, broths, sauces and condiments

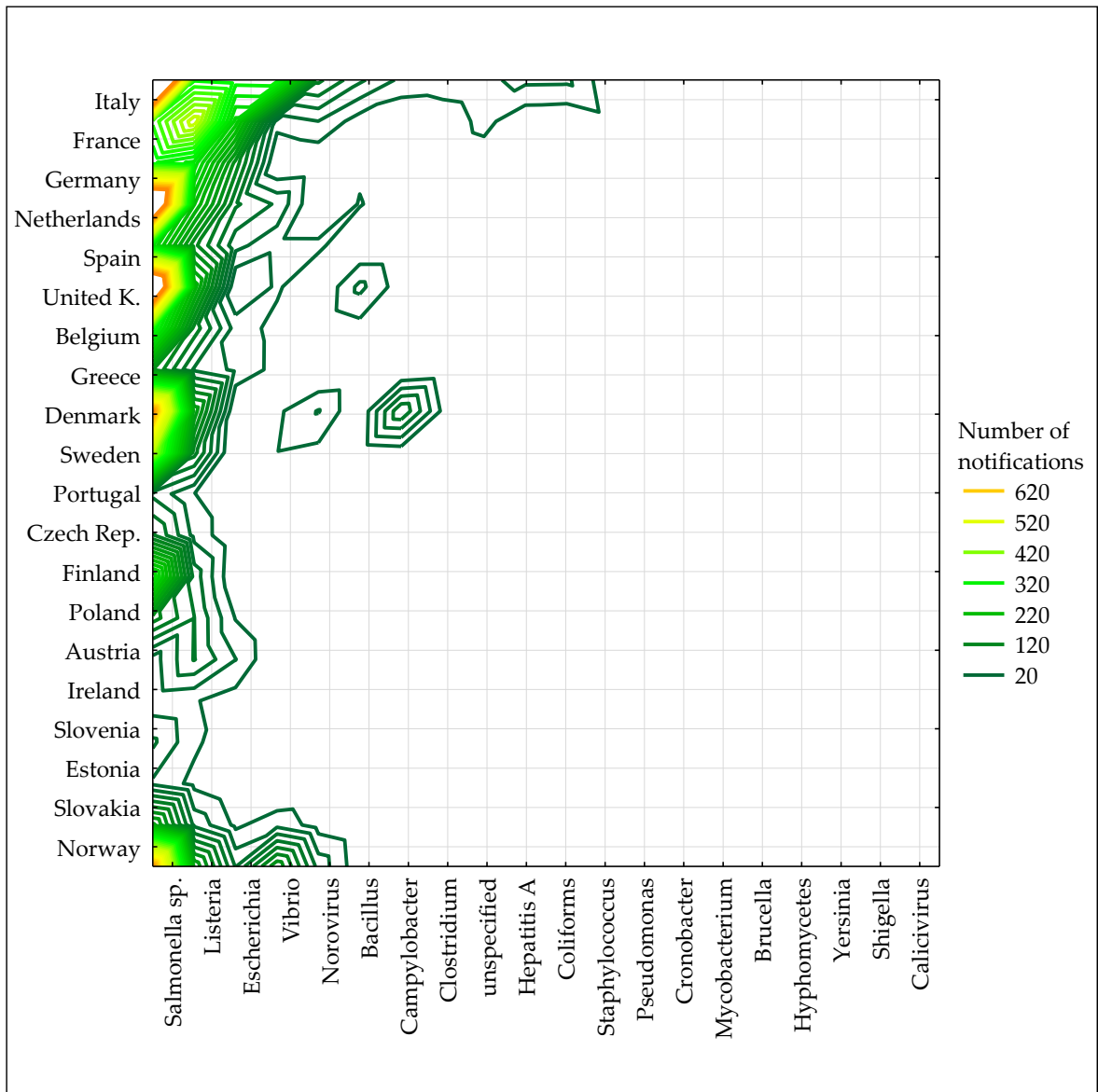


Figure S21. Similarities of RASFF notifications on pathogenic microorganisms and notifying country within food using two-way joining.

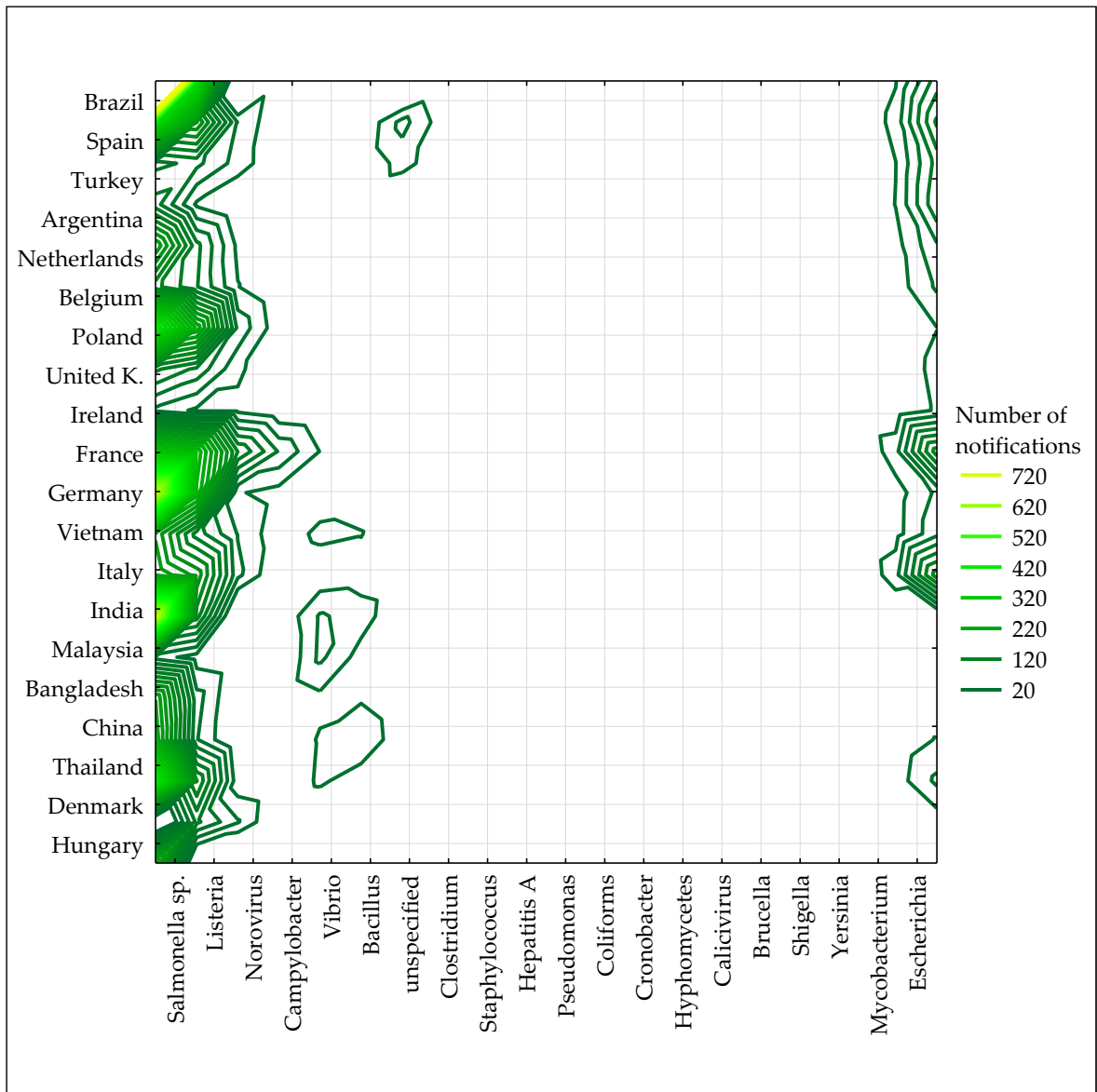


Figure S22. Similarities of RASFF notifications on pathogenic microorganisms and origin country within food using two-way joining.

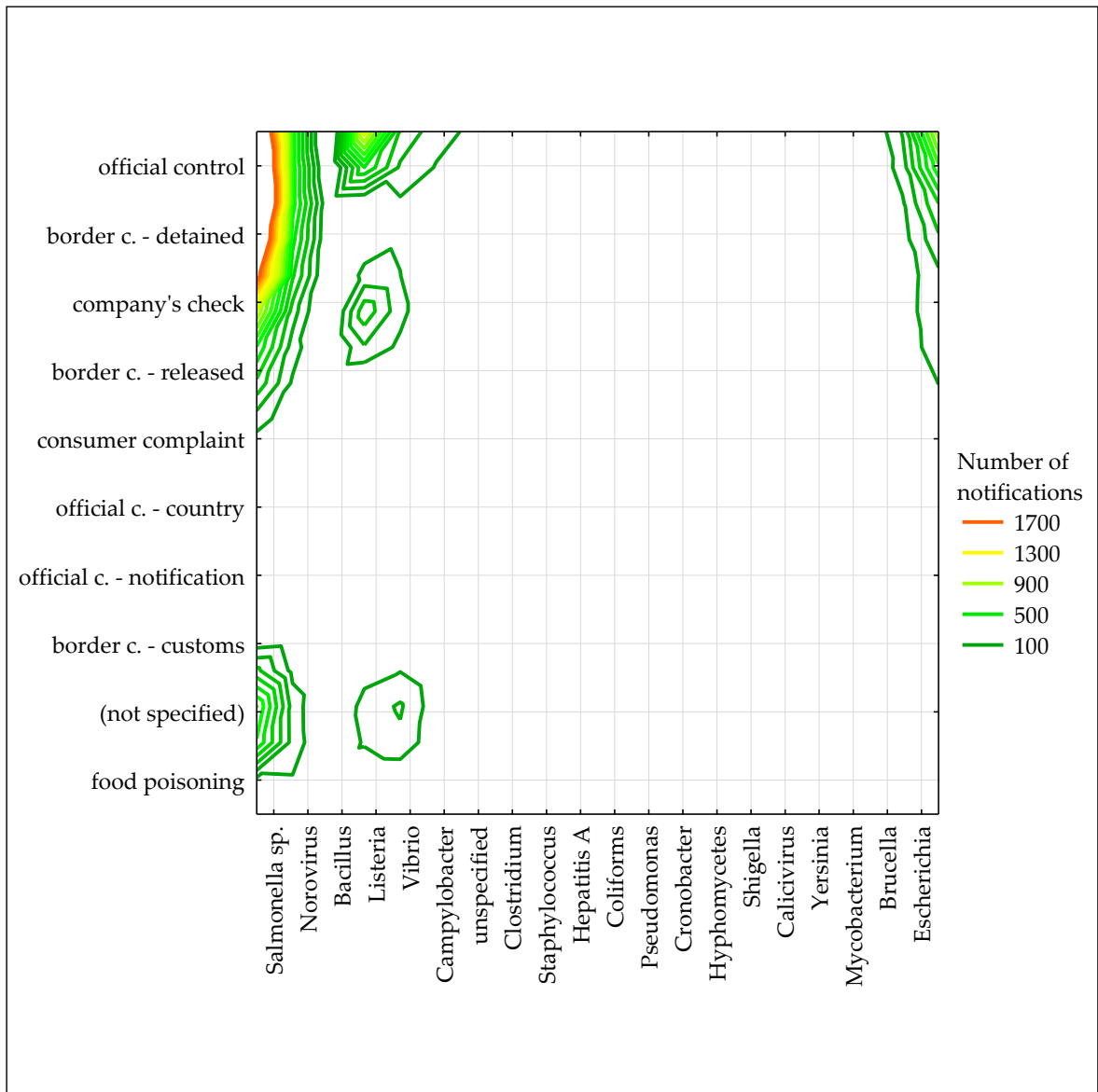


Figure S23. Similarities of RASFF notifications on pathogenic microorganisms and notification basis within food using two-way joining.

border c. - customs – border control - consignment under customs

border c. - detained – border control - consignment detained

border c. - released – border control - consignment released

company's check – company's own check

official c. - country – official control in non-member country

official c. - notification – official control following RASFF notification

official control – official control on the market

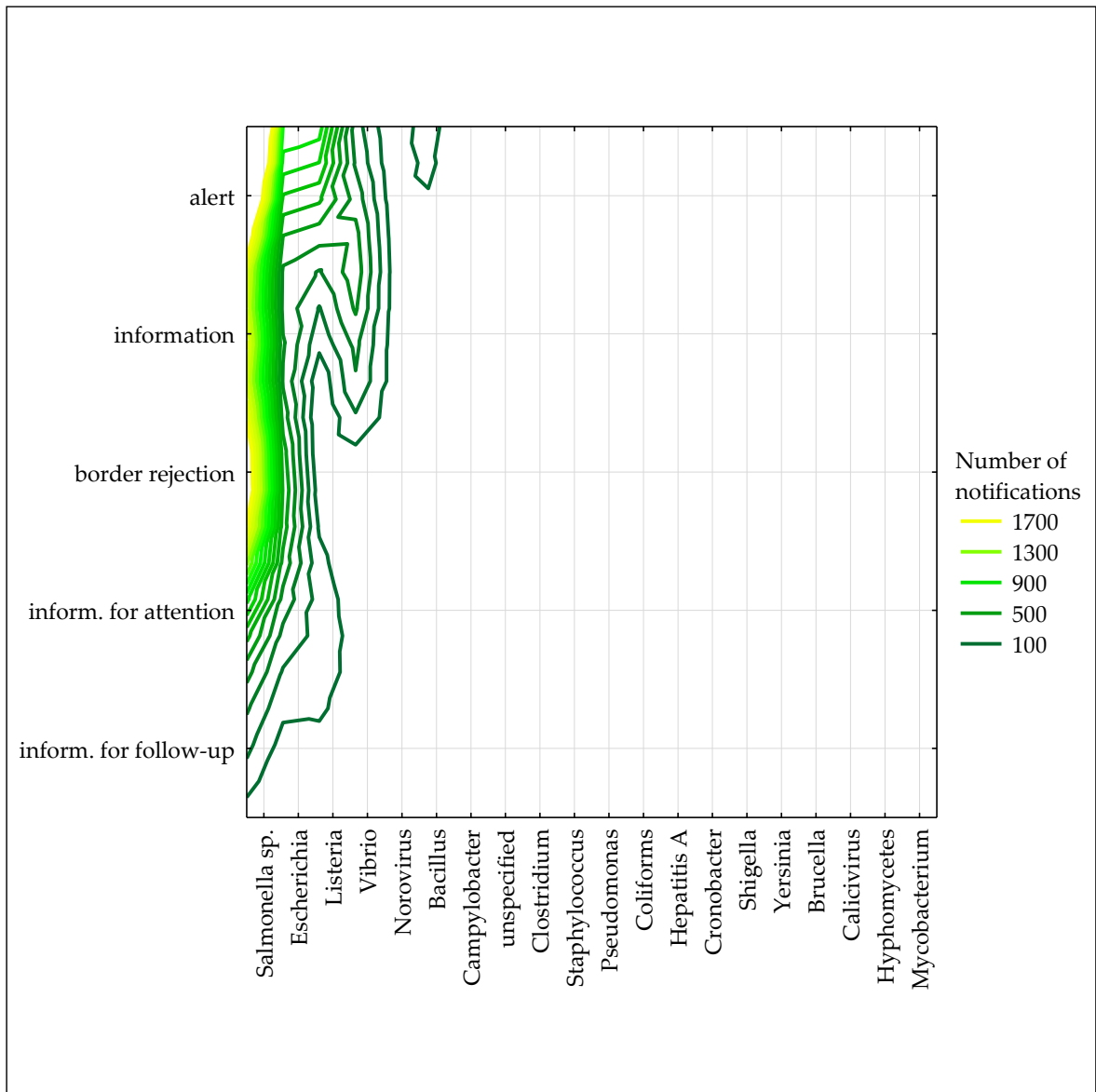


Figure S24. Similarities of RASFF notifications on pathogenic microorganisms and notification type within food using two-way joining.

inform. for attention – information for attention

inform. for follow-up – information for follow-up

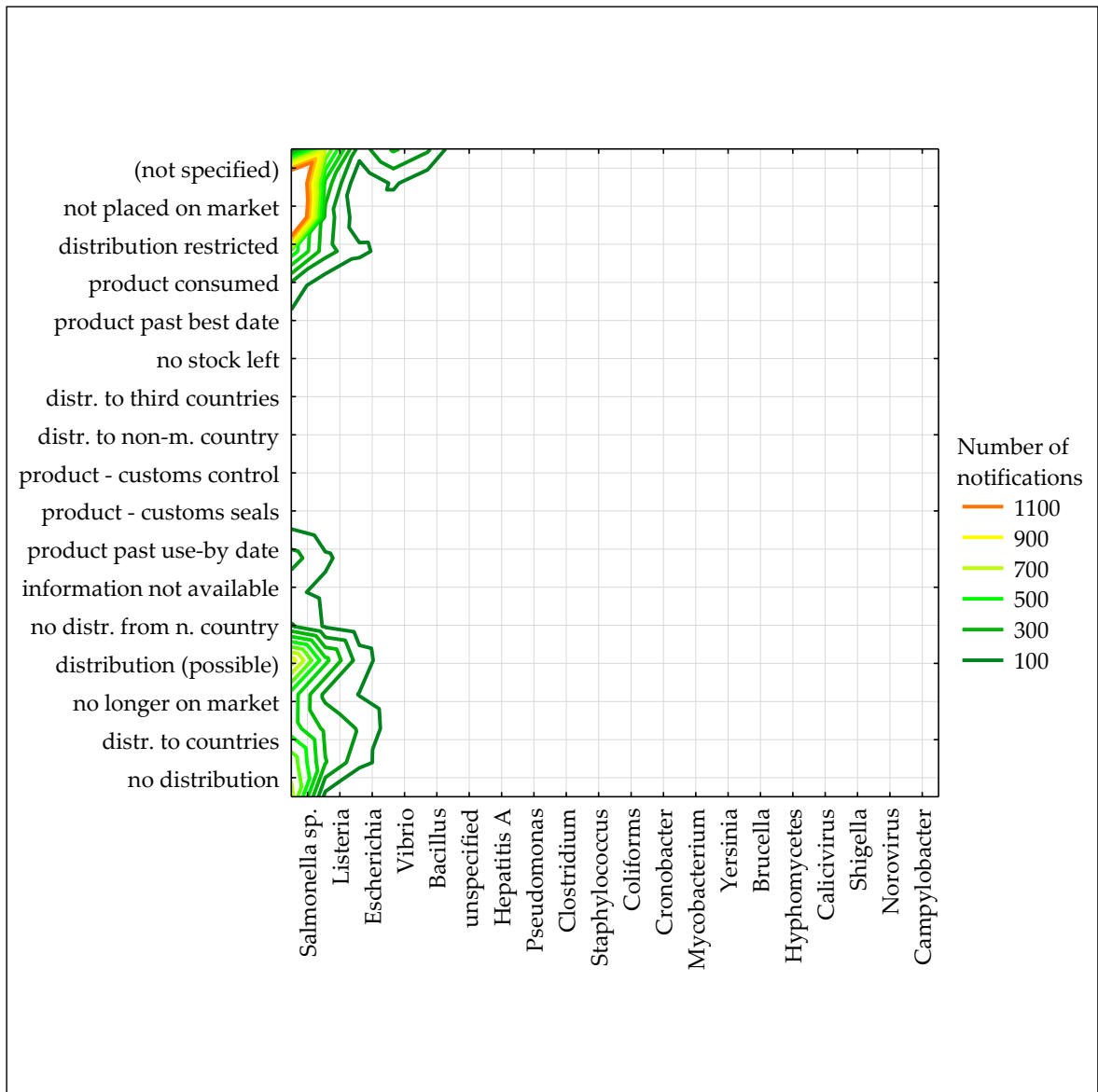


Figure S25. Similarities of RASFF notifications on pathogenic microorganisms and distribution status within food using two-way joining.

distr. to non-m. countries – distribution to non-member countries

distr. to countries – distribution to other member countries

distr. to third countries – distribution to third countries

distribution (possible) – distribution on the market (possible)

distribution restricted – distribution restricted to notifying country

information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country

no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market

product - customs control – product under customs control

product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed

product past best date – product past best before date

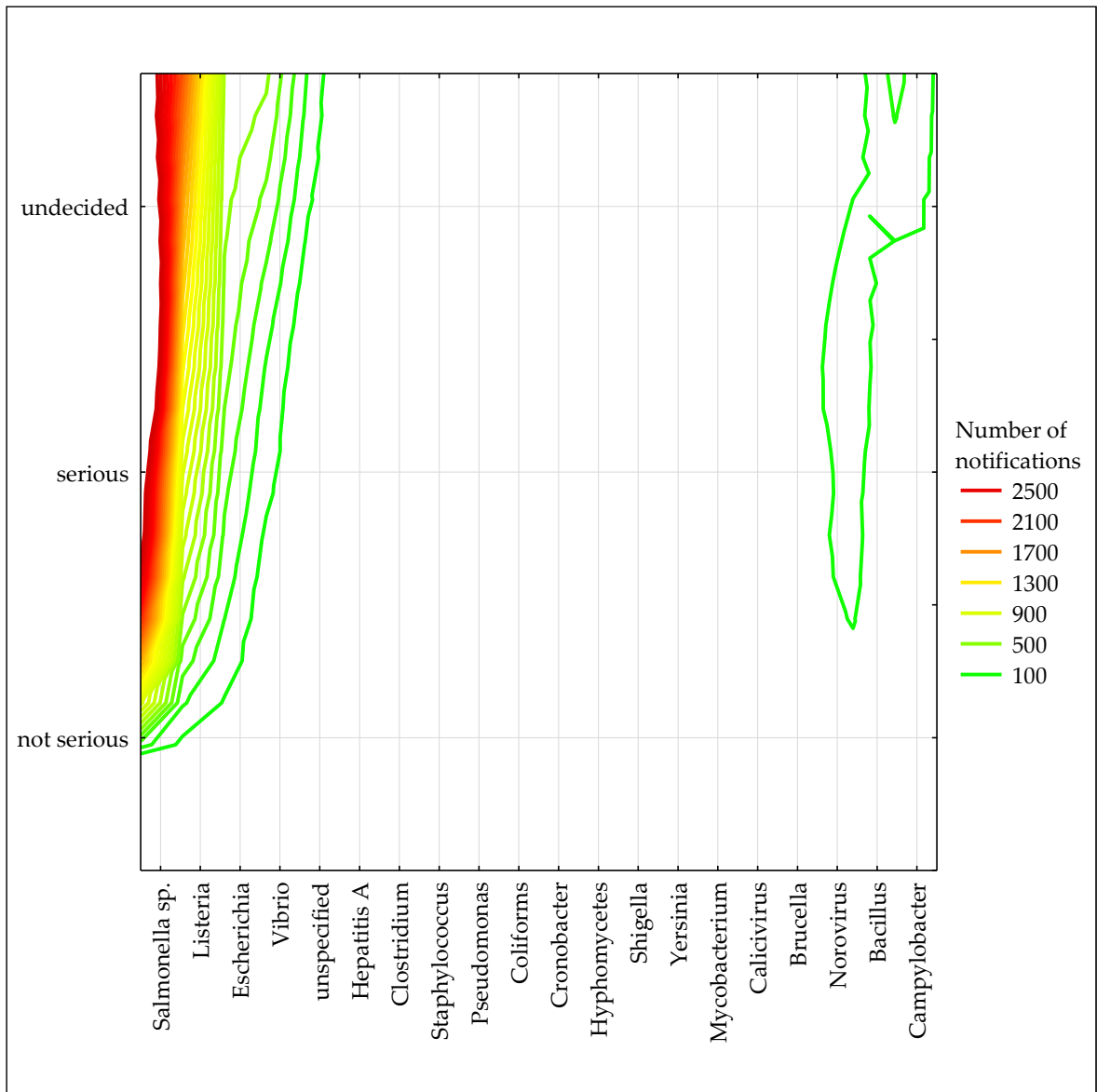


Figure S26. Similarities of RASFF notifications on pathogenic microorganisms and risk decision within food using two-way joining.

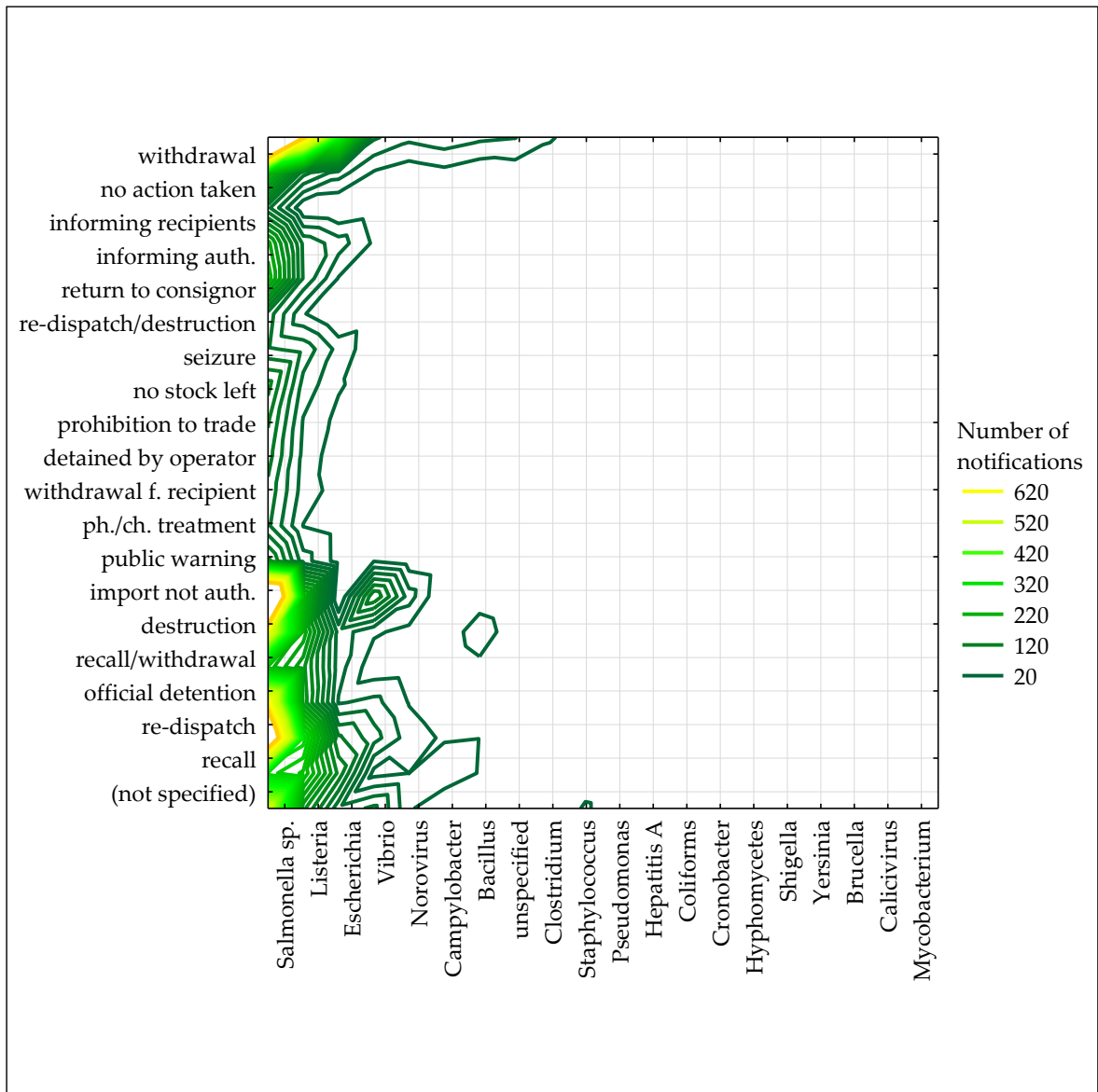


Figure S27. Similarities of RASFF notifications on pathogenic microorganisms and action taken within food using two-way joining.

import not auth. – import not authorised
 informing auth. – informing authorities
 ph./ch. treatment – physical/chemical treatment
 prohibition to trade – prohibition to trade - sales ban
 public warning – public warning - press release
 recall – recall from consumers
 recall/withdrawal – product recall or withdrawal
 re-dispatch/destruction – re-dispatch or destruction
 withdrawal – withdrawal from the market
 withdrawal f. recipient – withdrawal from recipient(s)

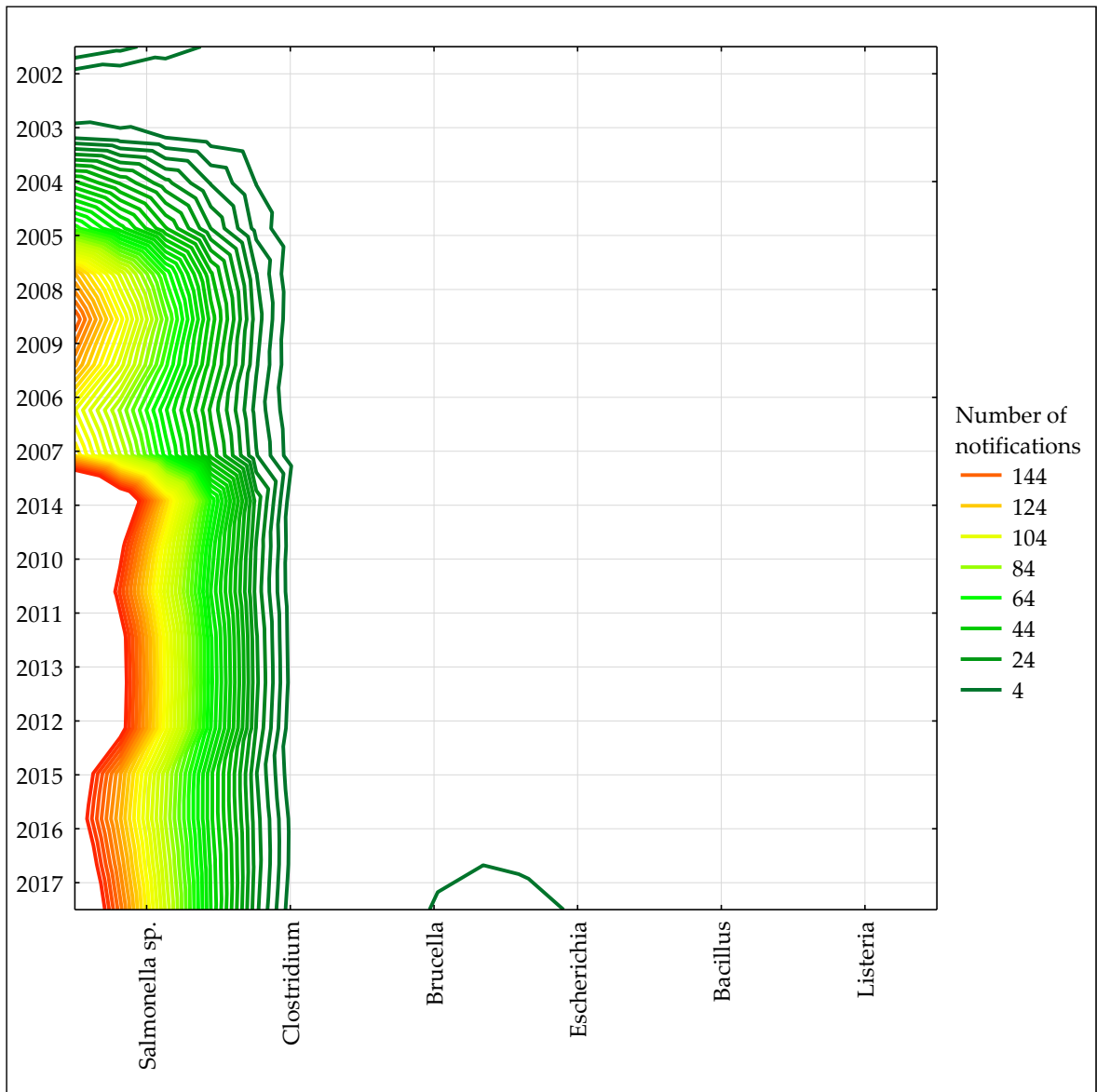


Figure S28. Similarities of RASFF notifications on pathogenic microorganisms and year within feed using two-way joining.

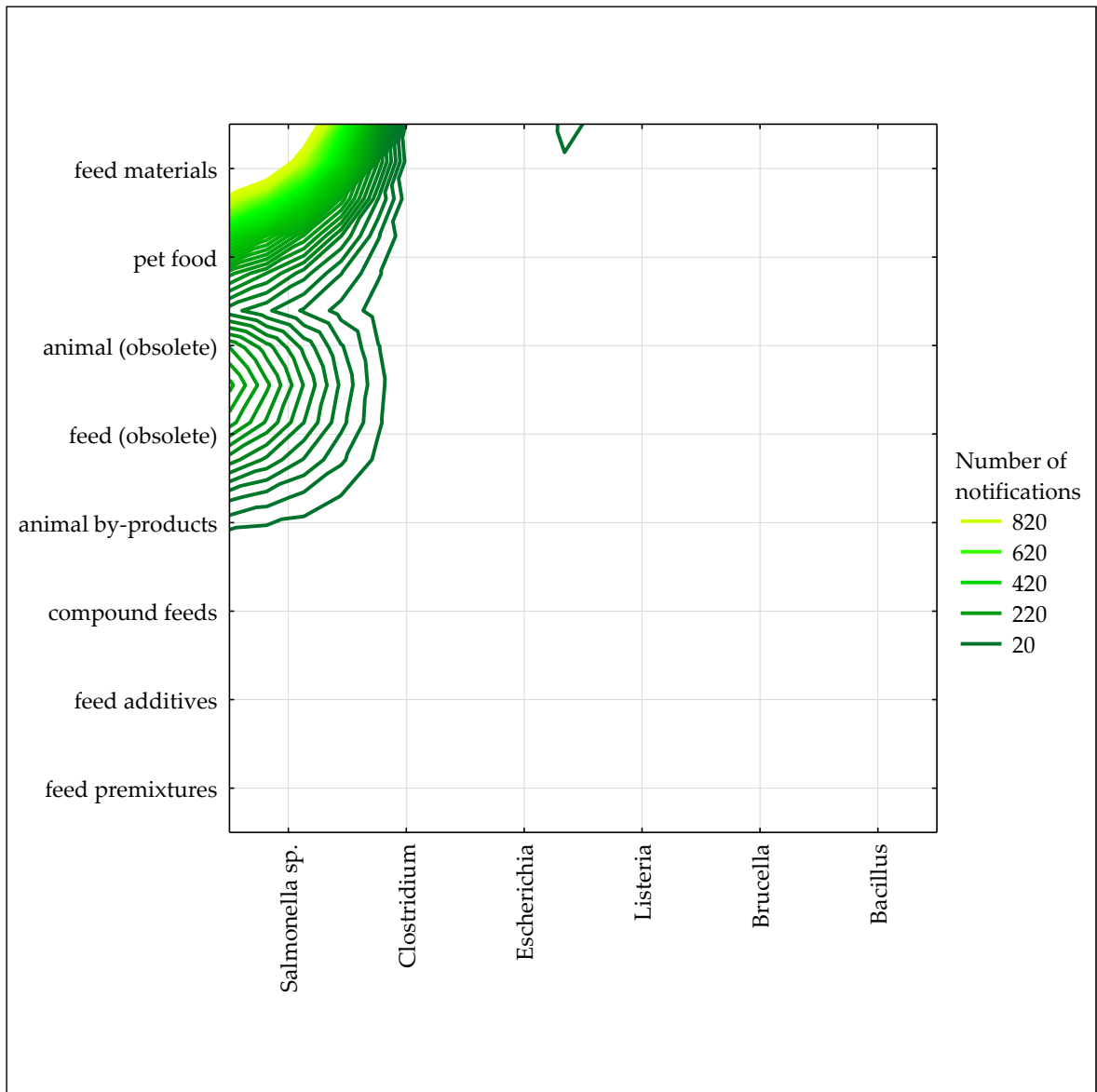


Figure S29. Similarities of RASFF notifications on pathogenic microorganisms and product category within feed using two-way joining.

animal (obsolete) – animal nutrition - (obsolete)

feed (obsolete) – feed for food-producing animals - (obsolete)

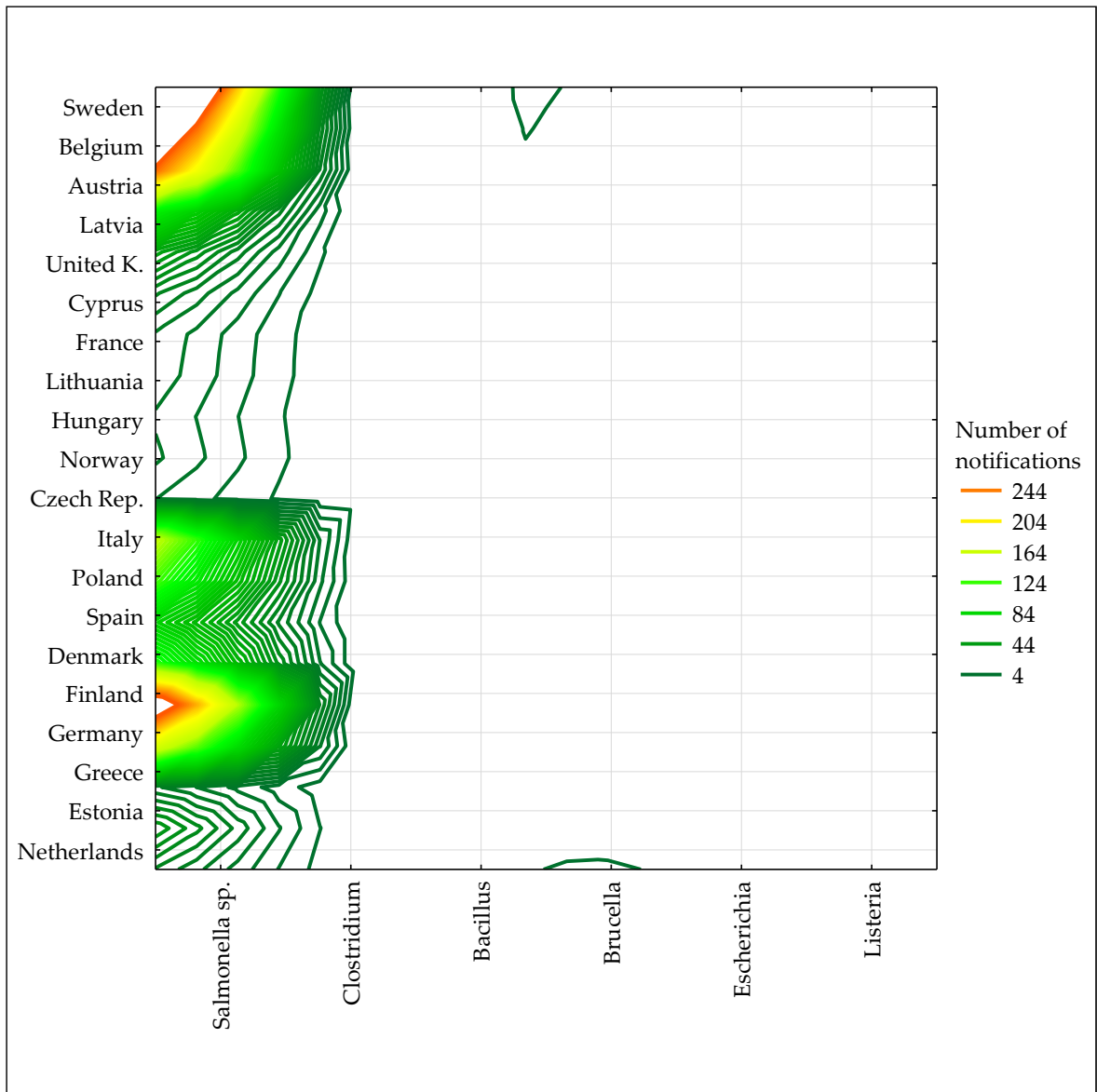


Figure S30. Similarities of RASFF notifications on pathogenic microorganisms and notifying country within feed using two-way joining.

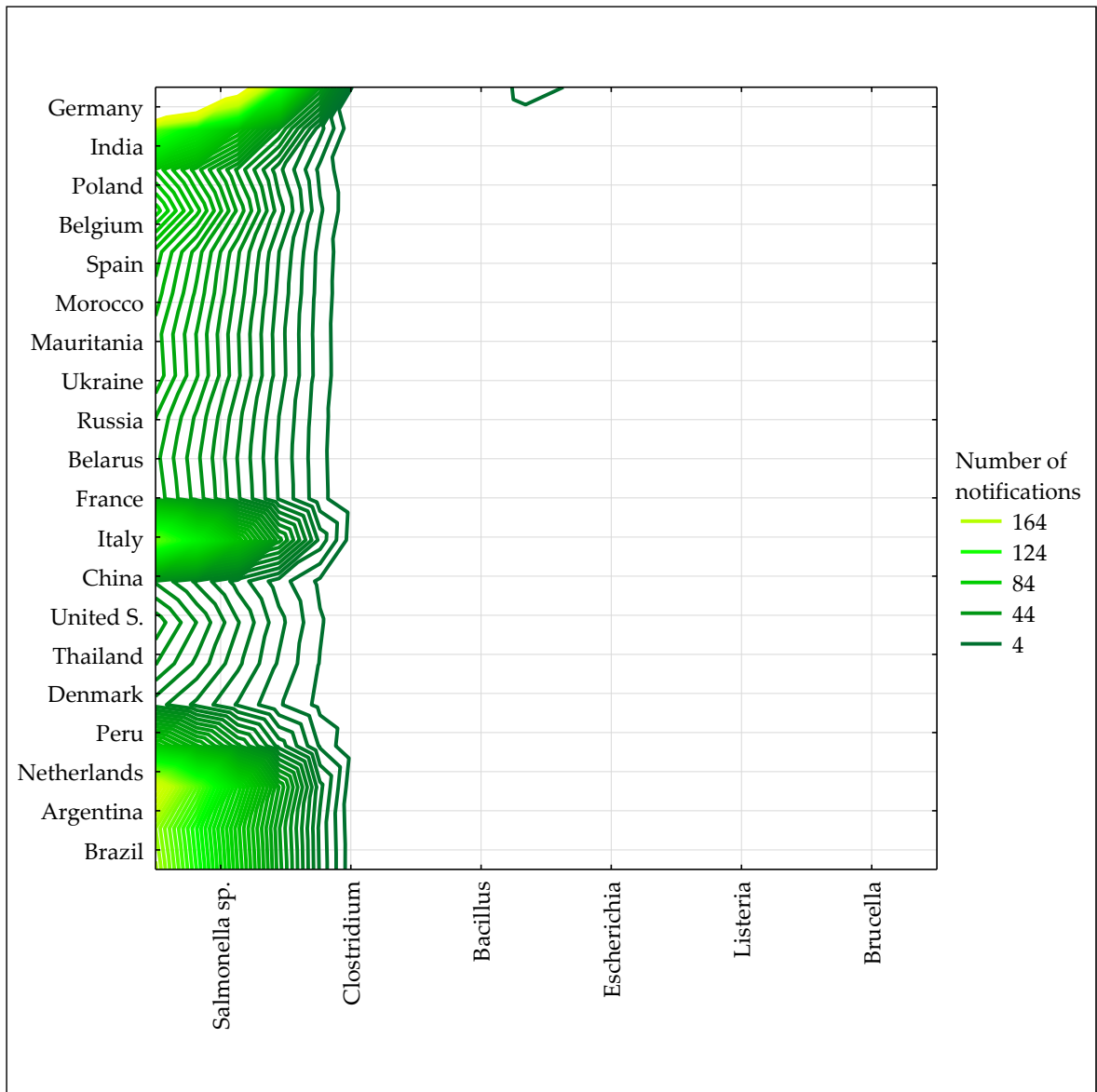


Figure S31. Similarities of RASFF notifications on pathogenic microorganisms and origin country within feed using two-way joining.

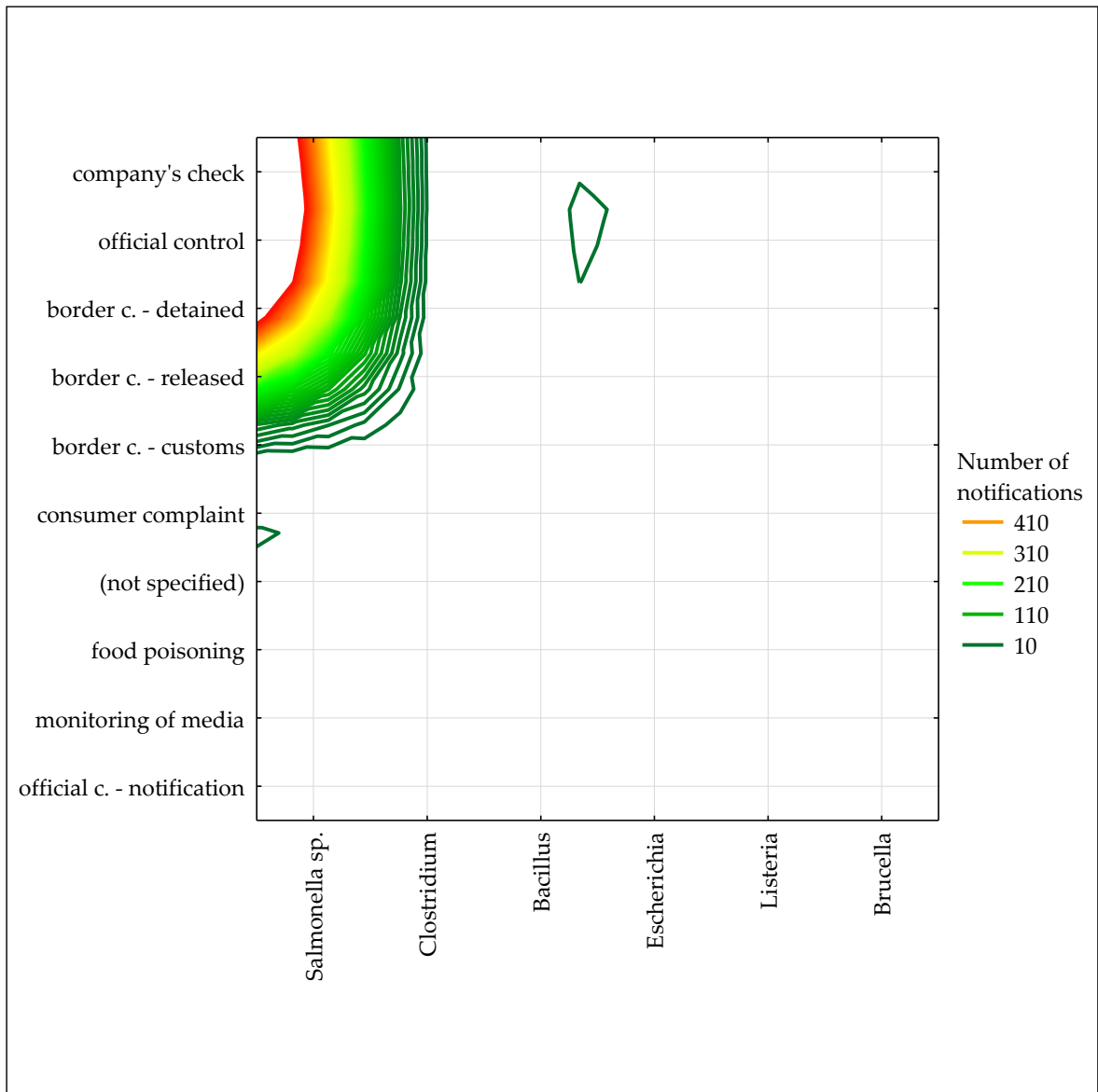


Figure S32. Similarities of RASFF notifications on pathogenic microorganisms and notification basis within feed using two-way joining.

border c. - customs – border control - consignment under customs
border c. - detained – border control - consignment detained
border c. - released – border control - consignment released
company's check – company's own check
official c. - notification – official control following RASFF notification
official control – official control on the market

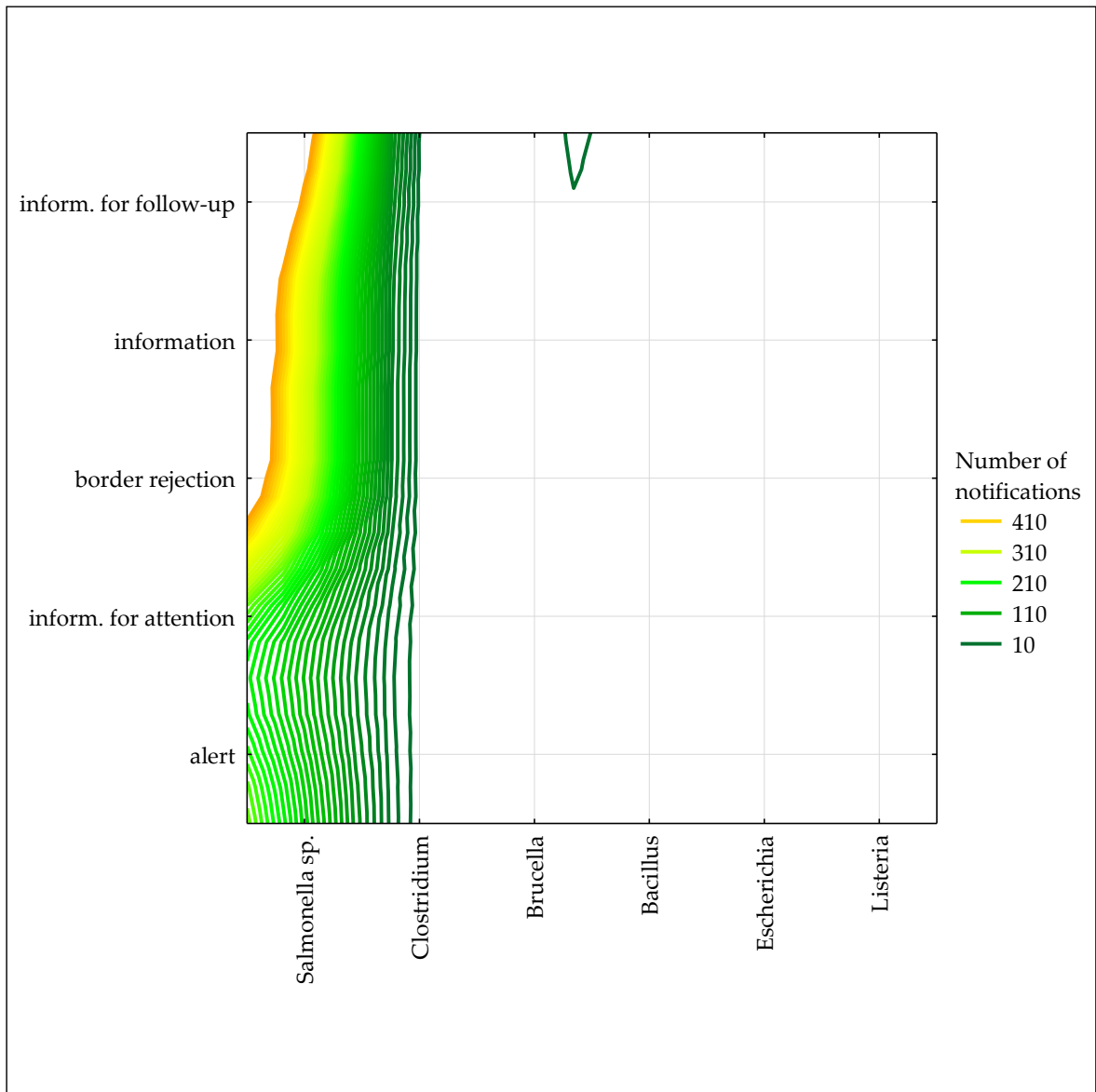


Figure S33. Similarities of RASFF notifications on pathogenic microorganisms and notification type within feed using two-way joining.

inform. for attention – information for attention
 inform. for follow-up – information for follow-up

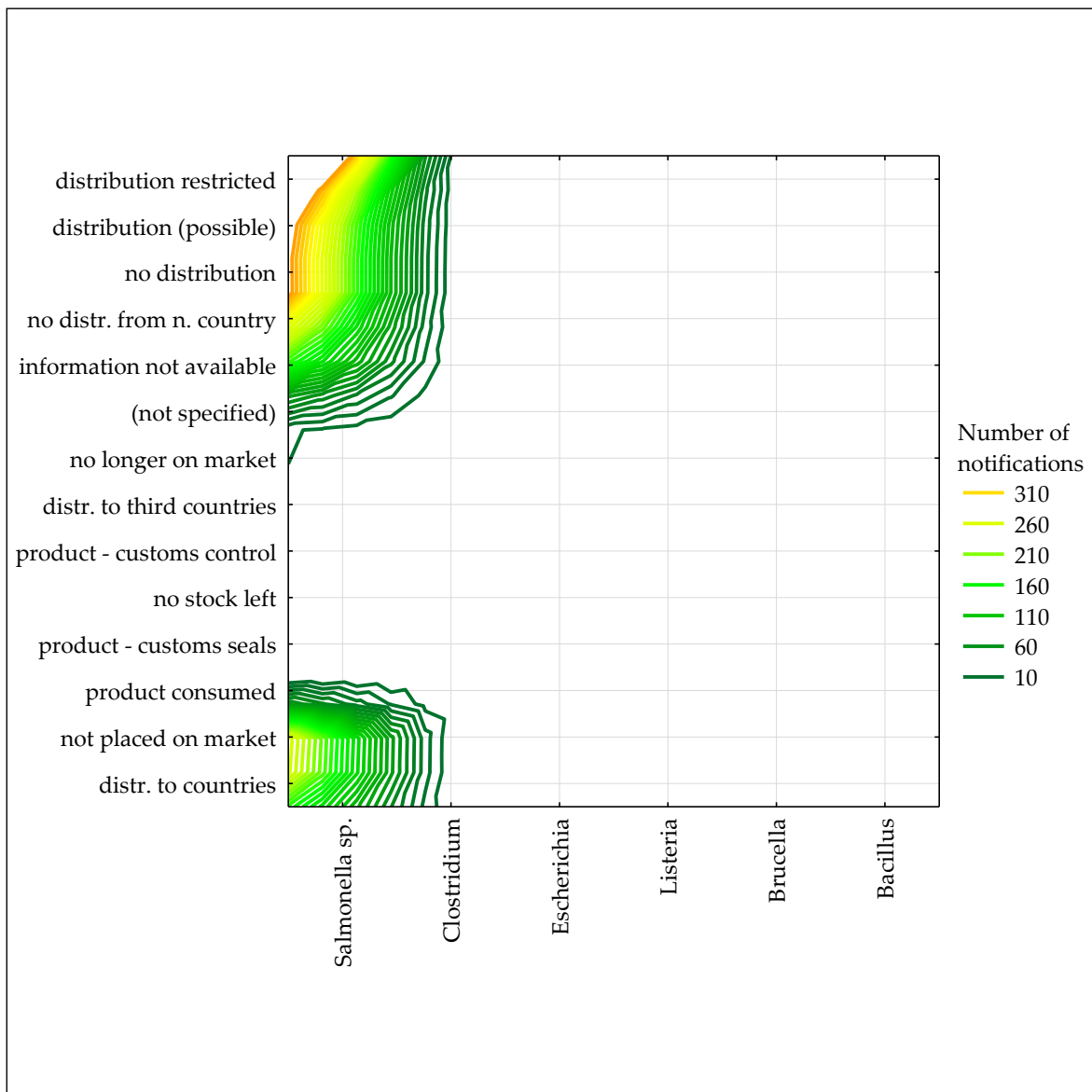


Figure S34. Similarities of RASFF notifications on pathogenic microorganisms and distribution status within feed using two-way joining.

distr. to countries – distribution to other member countries

distr. to third countries – distribution to third countries

distribution (possible) – distribution on the market (possible)

distribution restricted – distribution restricted to notifying country

information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country

no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market

product - customs control – product under customs control

product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed

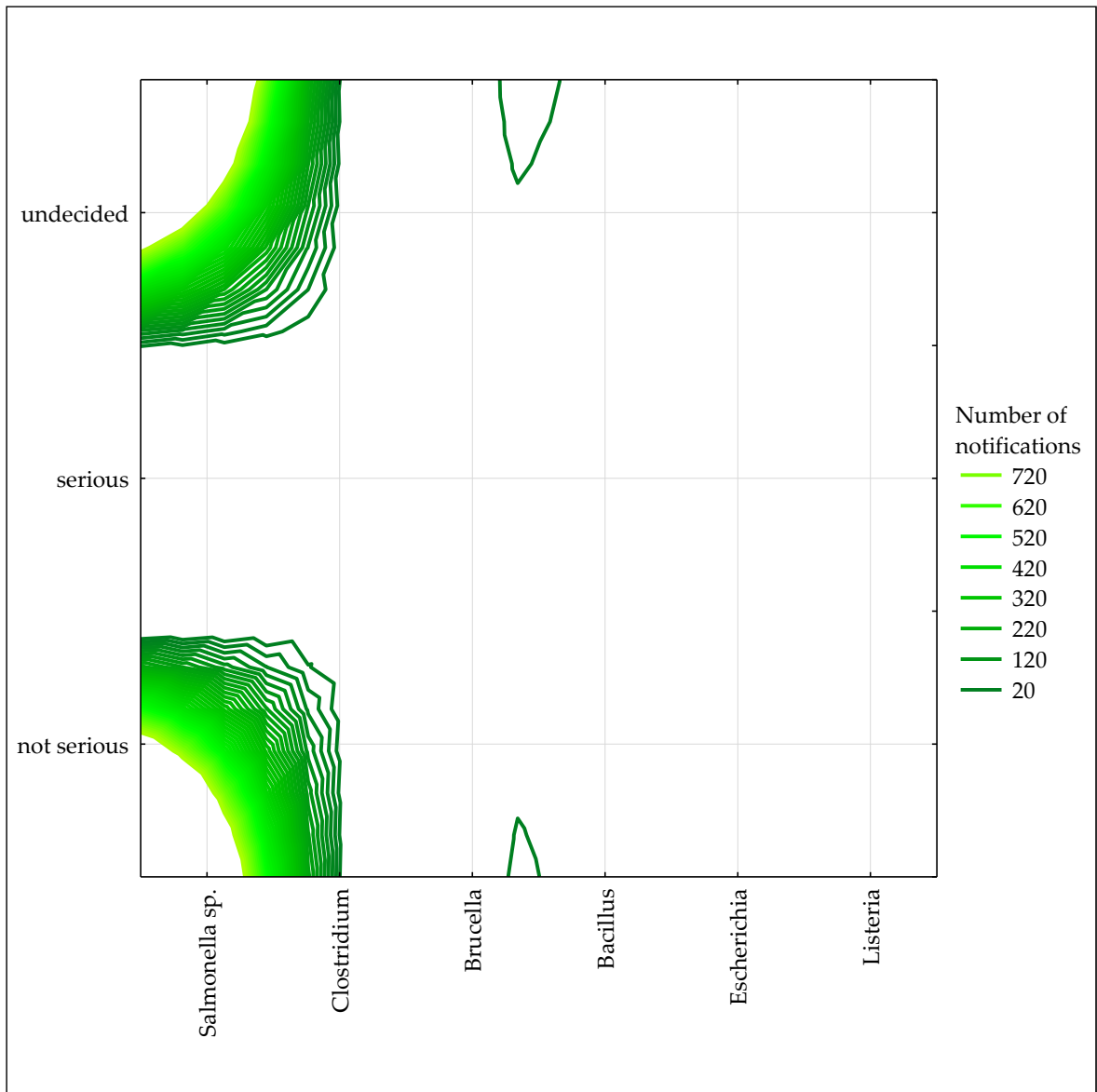


Figure S35. Similarities of RASFF notifications on pathogenic microorganisms and risk decision within feed using two-way joining.

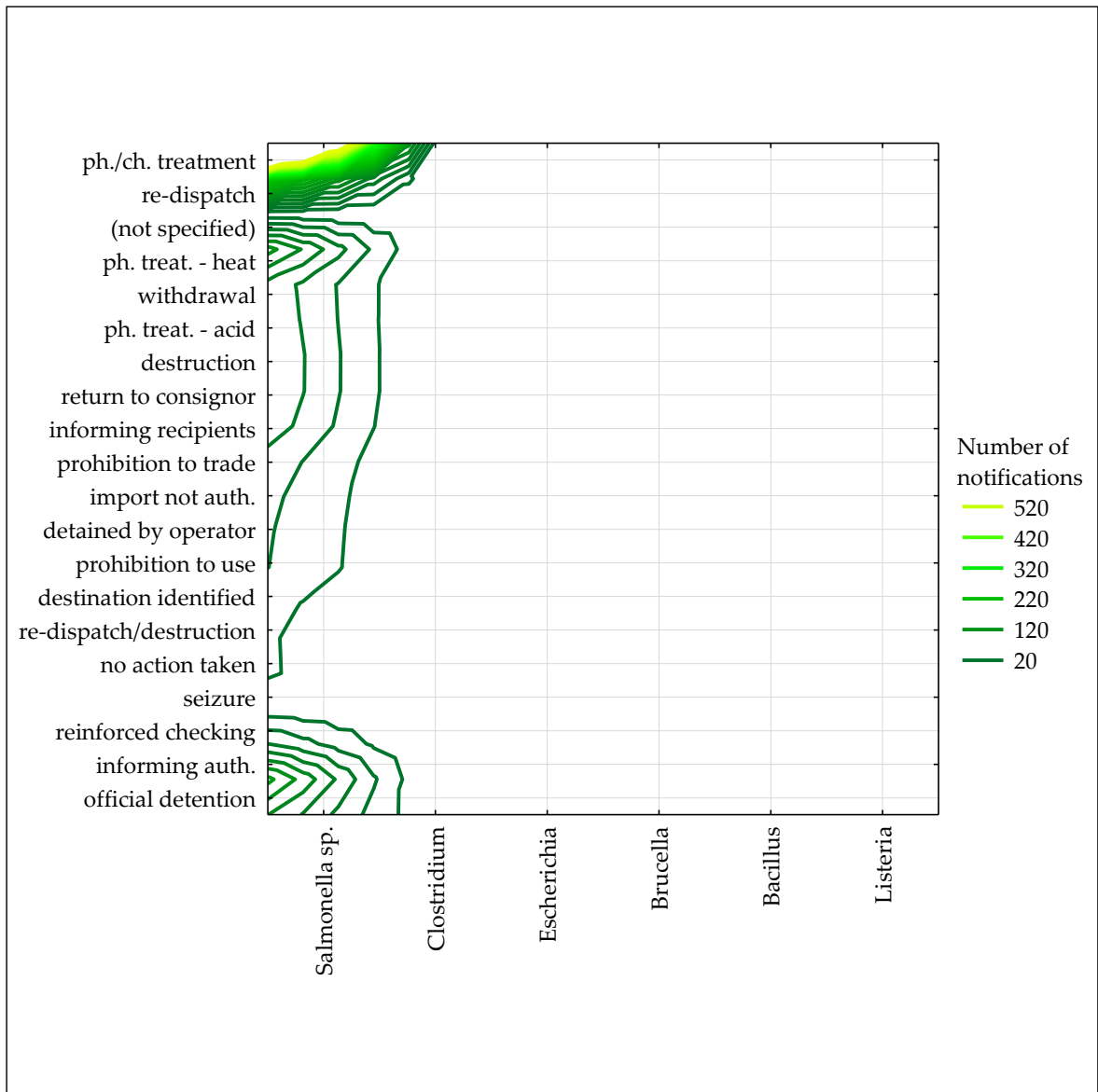


Figure S36. Similarities of RASFF notifications on pathogenic microorganisms and action taken within feed using two-way joining.

destination identified – destination of the product identified

import not auth. – import not authorised

informing auth. – informing authorities

ph. treat. - acid – physical treatment - acid treatment

ph. treat. - heat – physical treatment - heat treatment

ph./ch. treatment – physical/chemical treatment

prohibition to trade – prohibition to trade - sales ban

re-dispatch/destruction – re-dispatch or destruction

withdrawal – withdrawal from the market

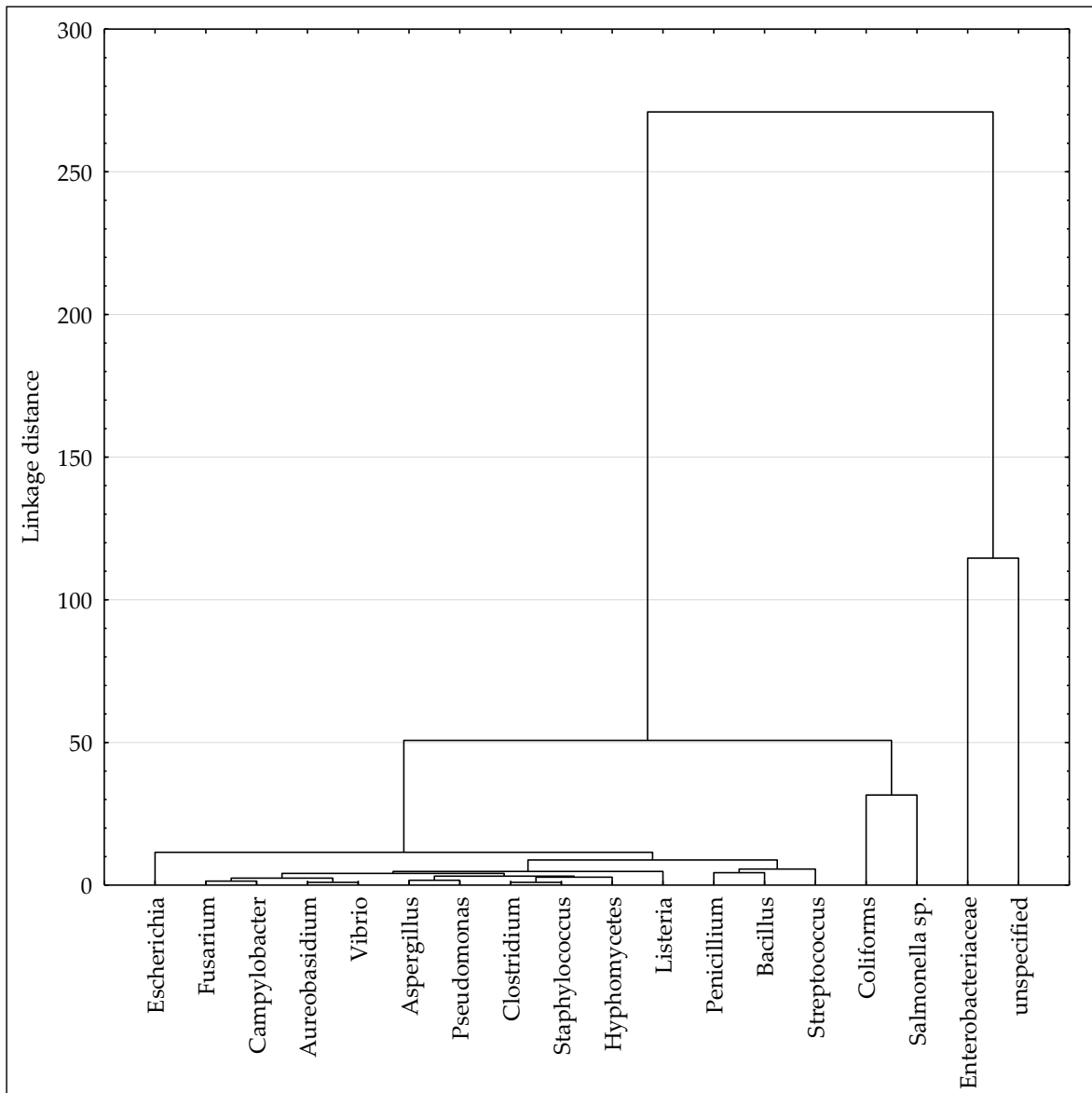


Figure S37. Similarities of RASFF notifications on non-pathogenic microorganisms and year within food using joining.

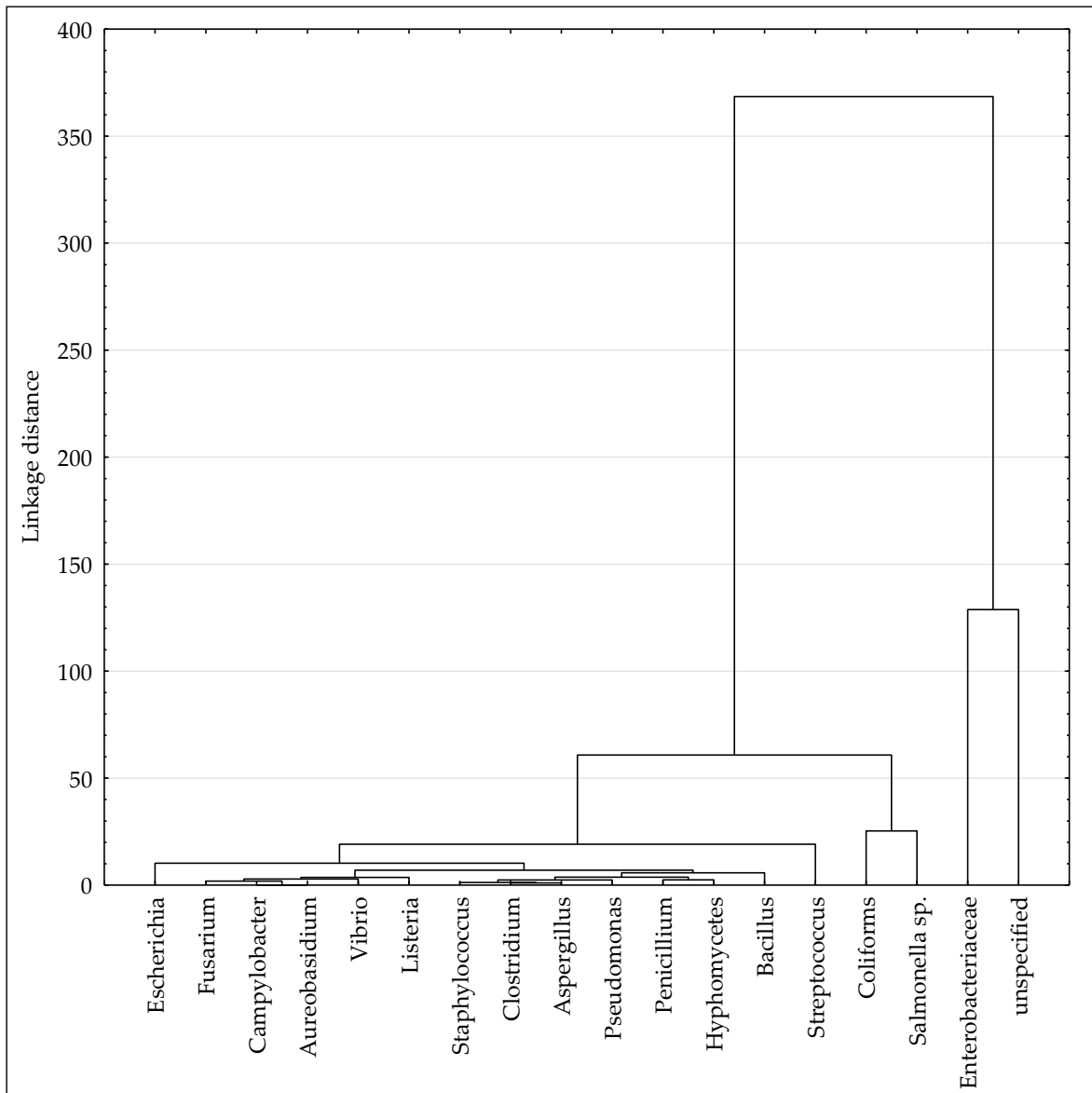


Figure S38. Similarities of RASFF notifications on non-pathogenic microorganisms and product category within food using joining.

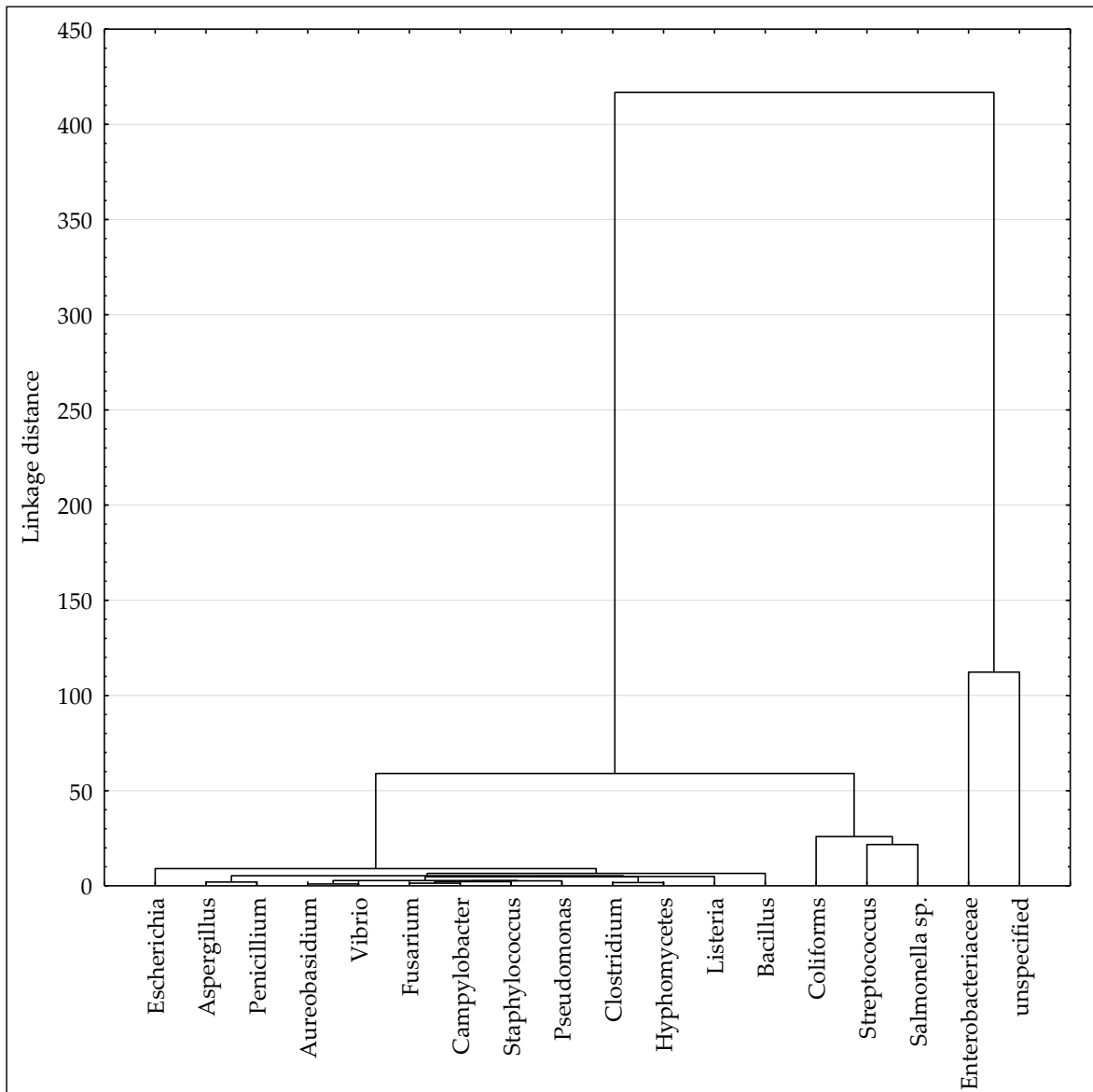


Figure S39. Similarities of RASFF notifications on non-pathogenic microorganisms and notifying country within food using joining.

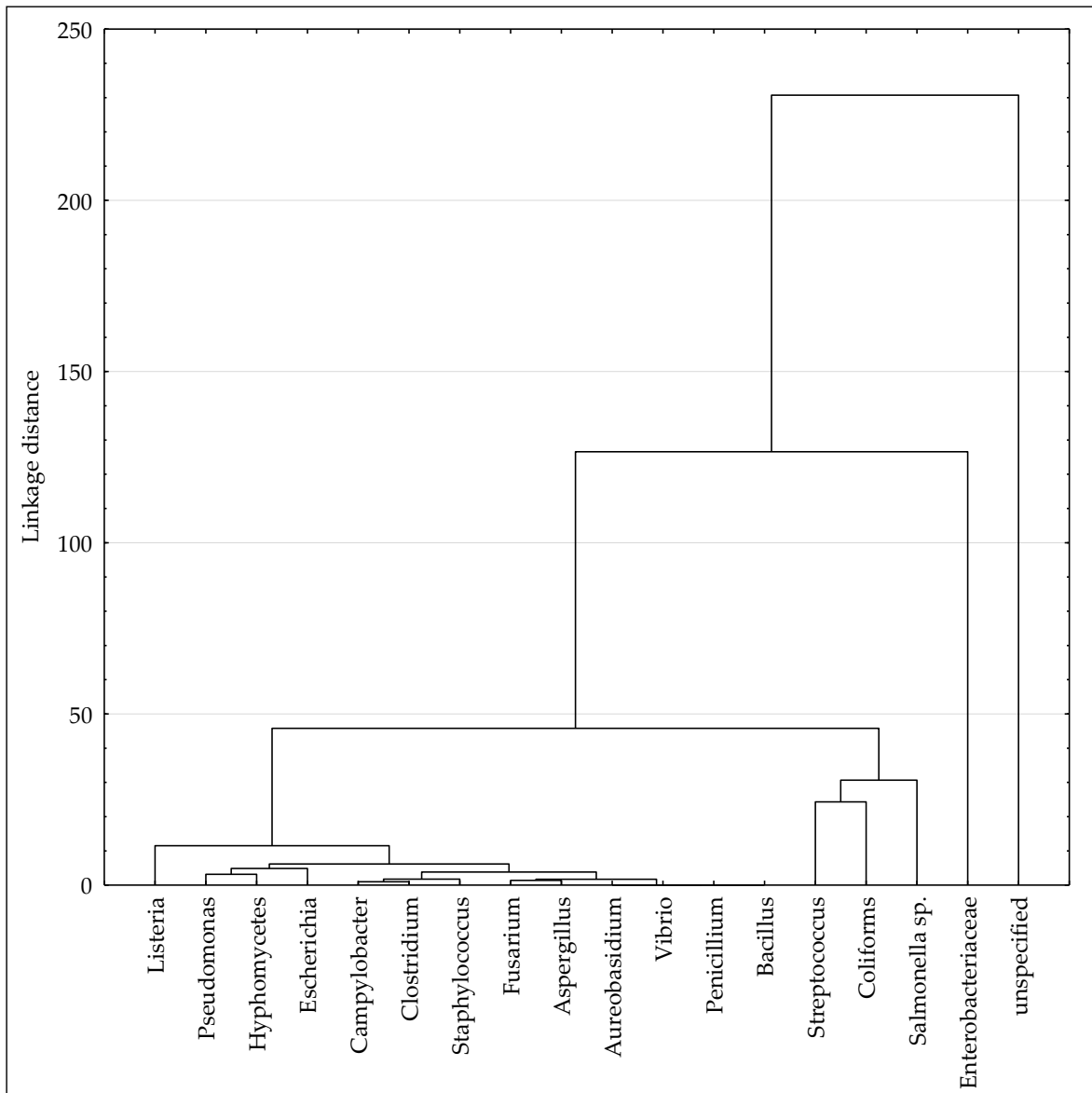


Figure S40. Similarities of RASFF notifications on non-pathogenic microorganisms and origin country within food using joining.

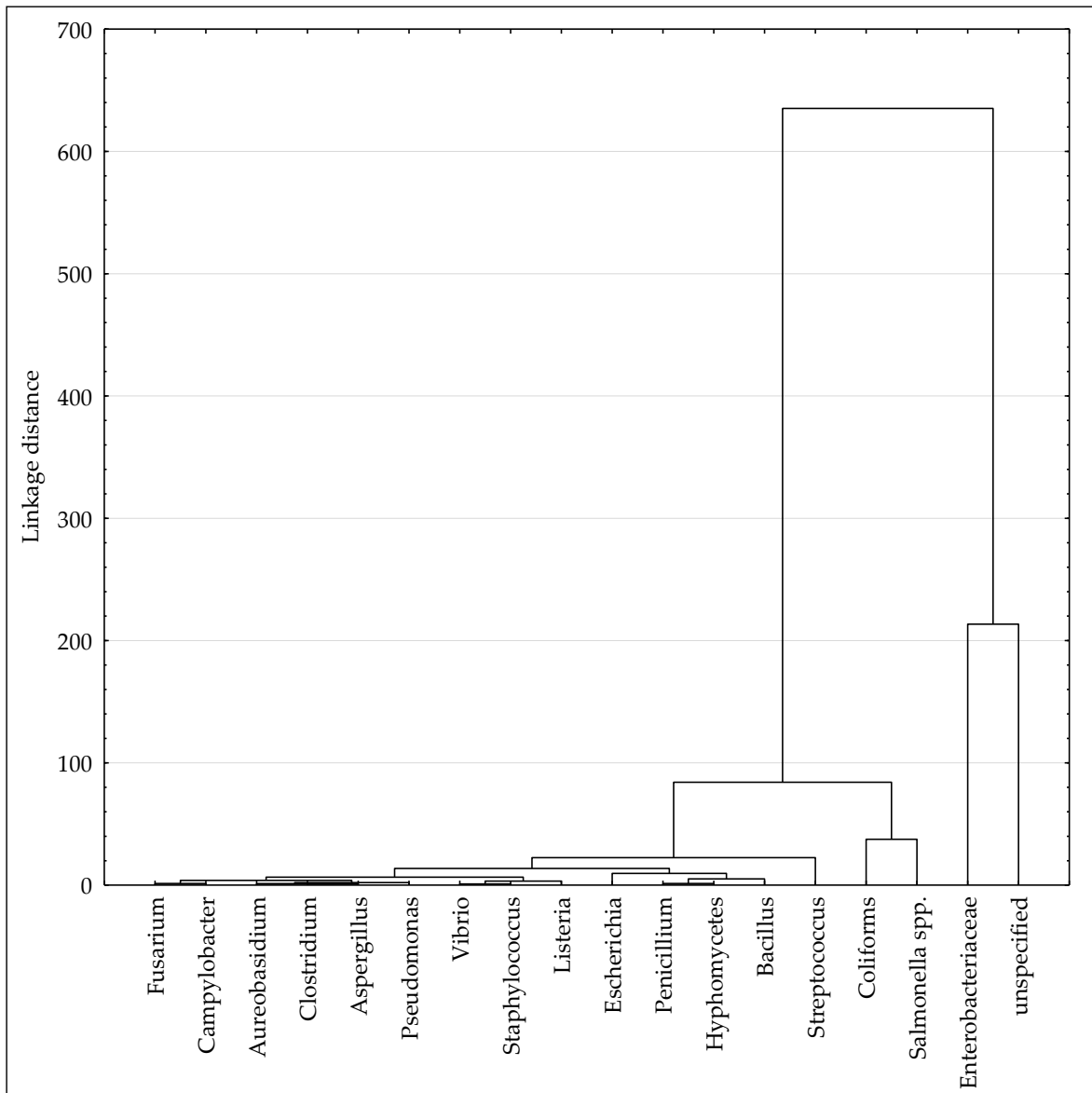


Figure S41. Similarities of RASFF notifications on non-pathogenic microorganisms and notification basis within food using joining.

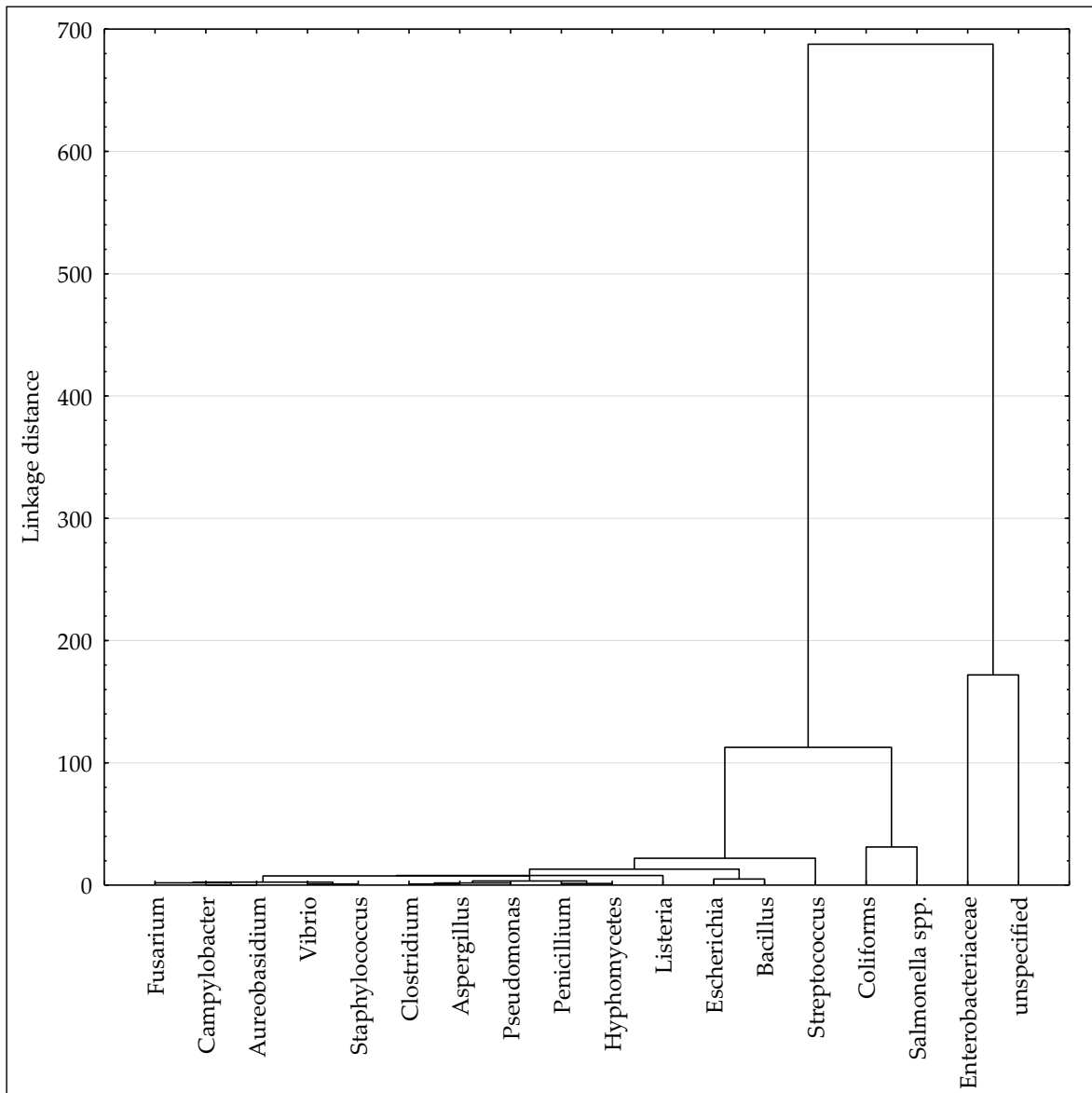


Figure S42. Similarities of RASFF notifications on non-pathogenic microorganisms and notification type within food using joining.

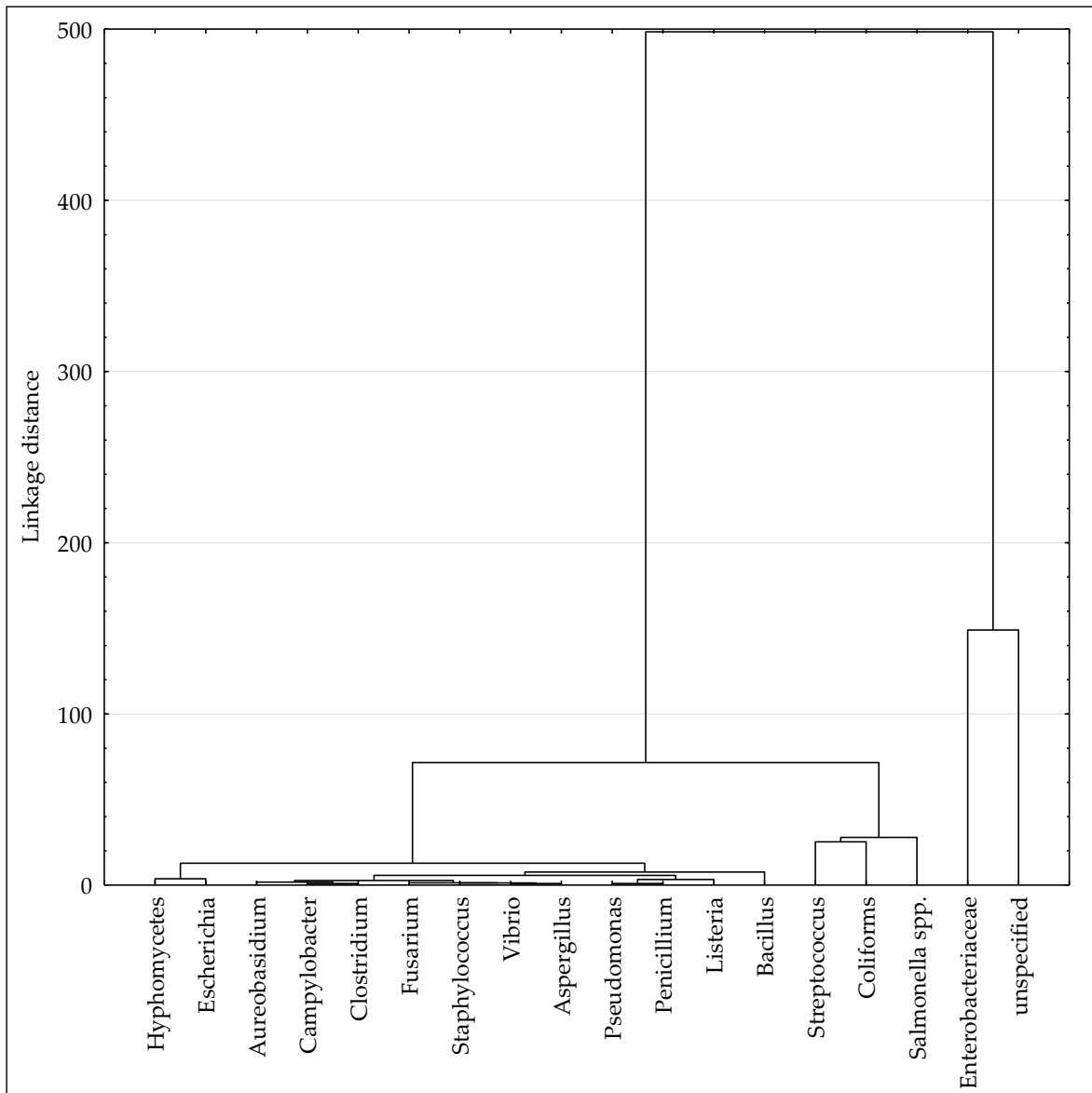


Figure S43. Similarities of RASFF notifications on non-pathogenic microorganisms and distribution status within food using joining.

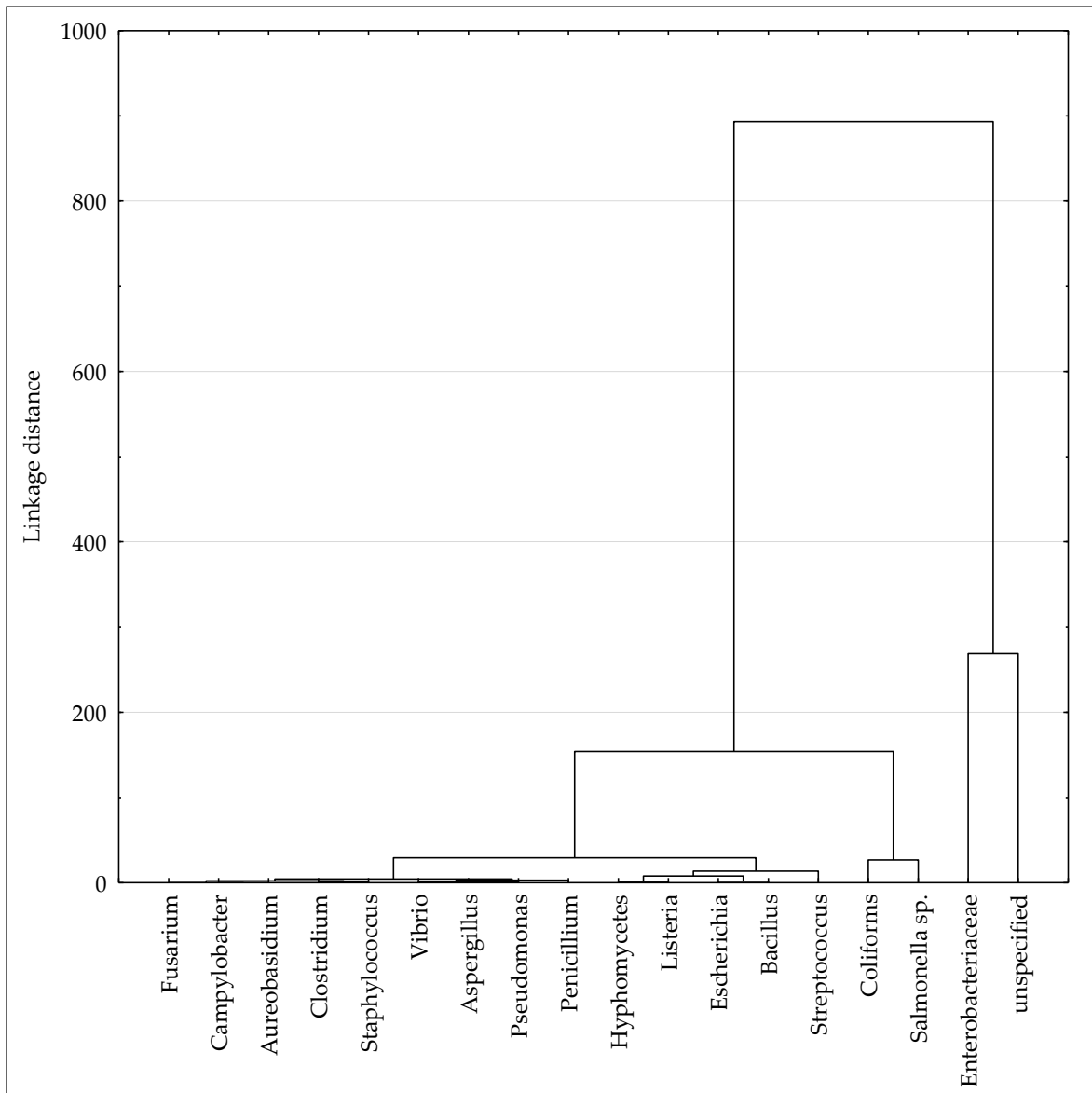


Figure S44. Similarities of RASFF notifications on non-pathogenic microorganisms and risk decision within food using joining.

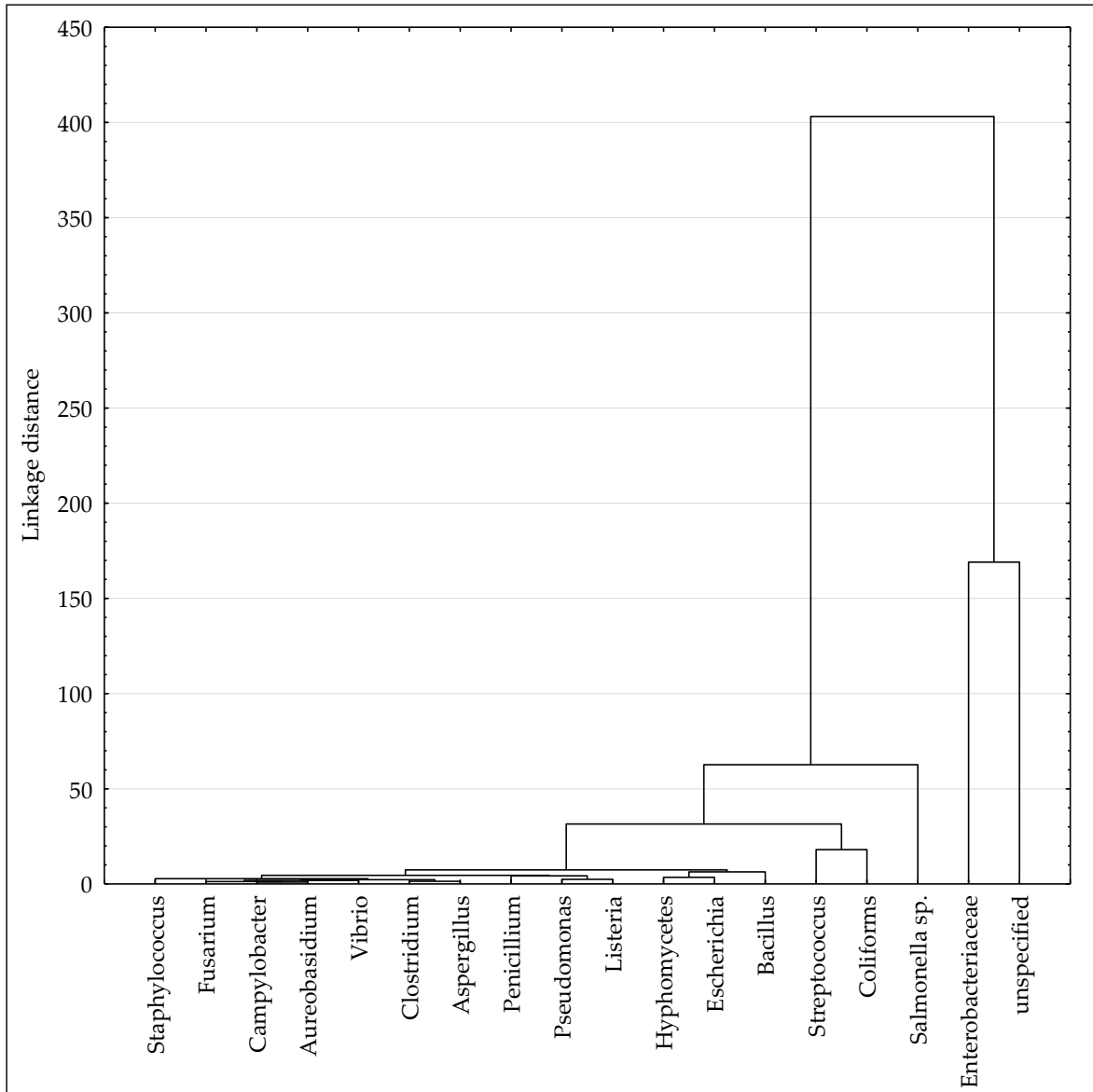


Figure S45. Similarities of RASFF notifications on non-pathogenic microorganisms and action taken within food using joining.

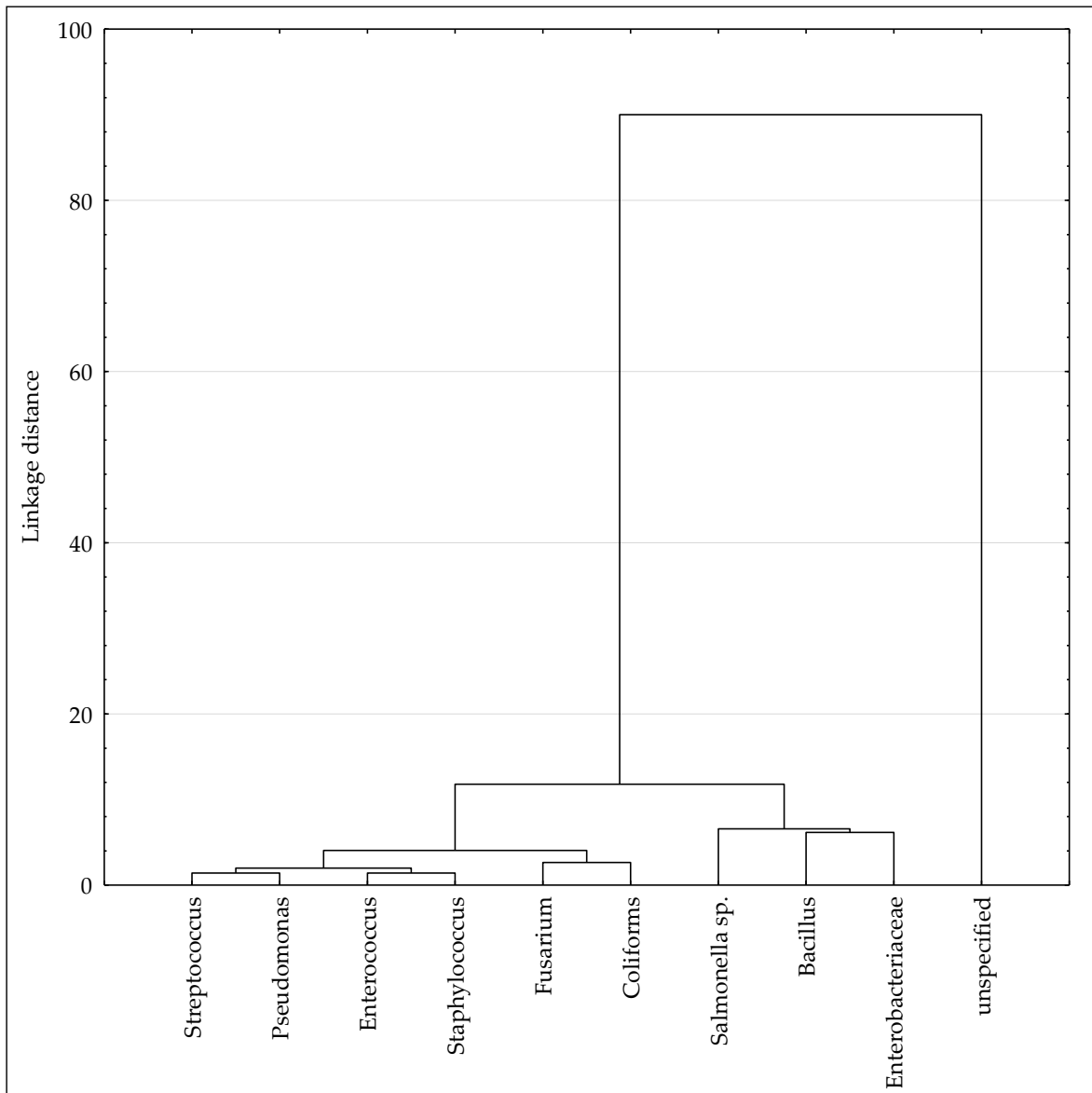


Figure S46. Similarities of RASFF notifications on non-pathogenic microorganisms and year within feed using joining.

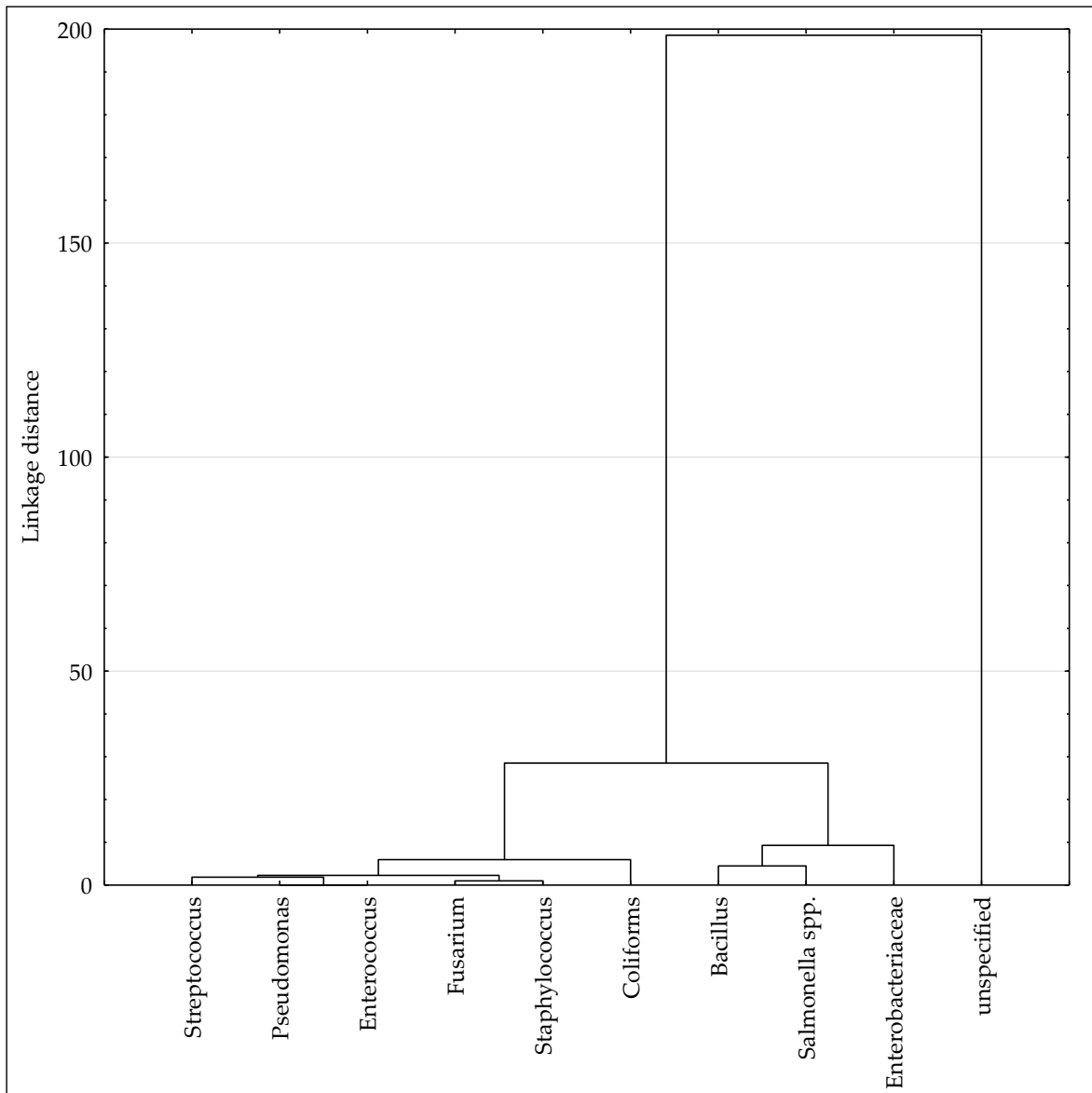


Figure S47. Similarities of RASFF notifications on non-pathogenic microorganisms and product category within feed using joining.

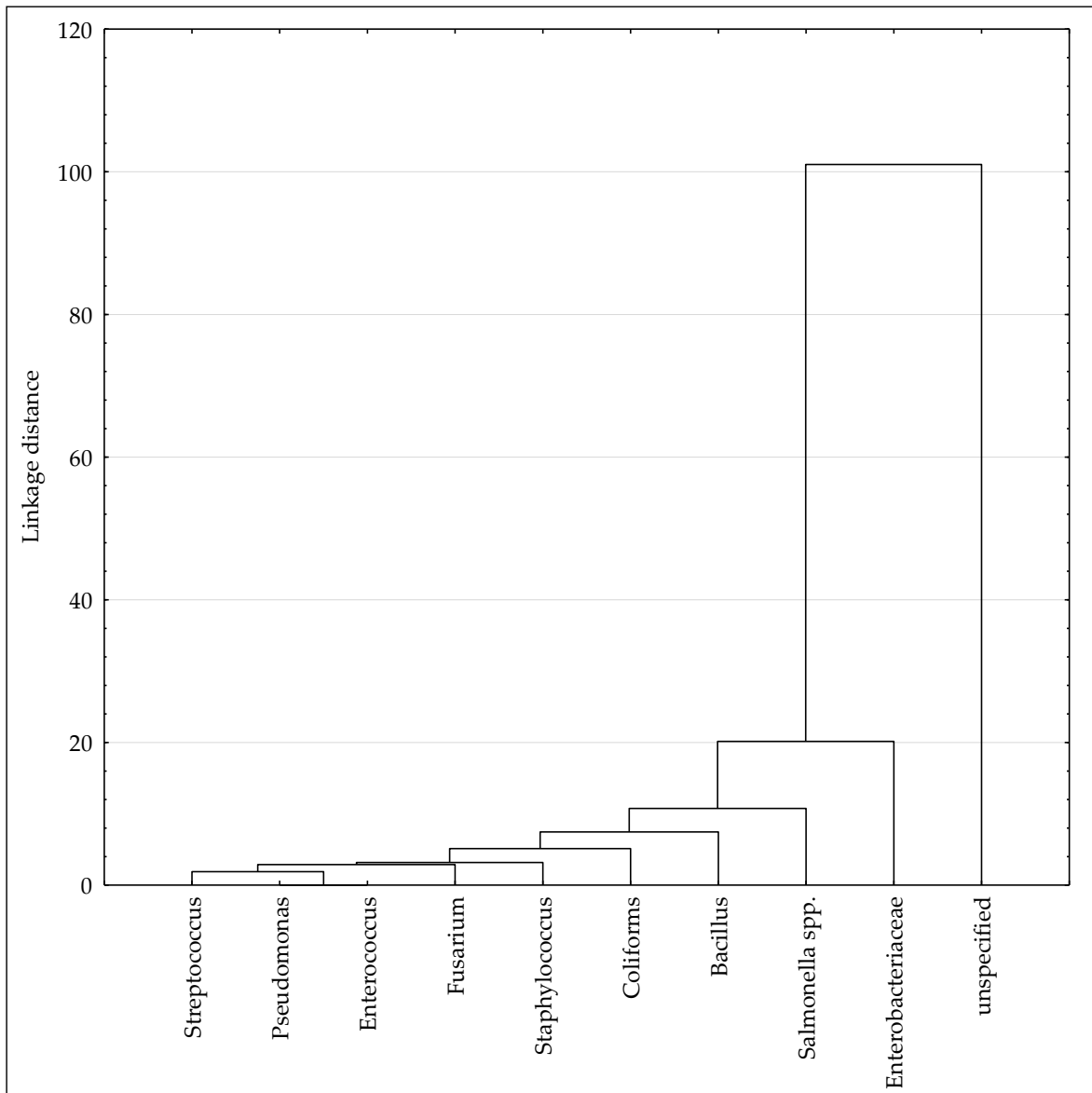


Figure S48. Similarities of RASFF notifications on non-pathogenic microorganisms and notifying country within feed using joining.

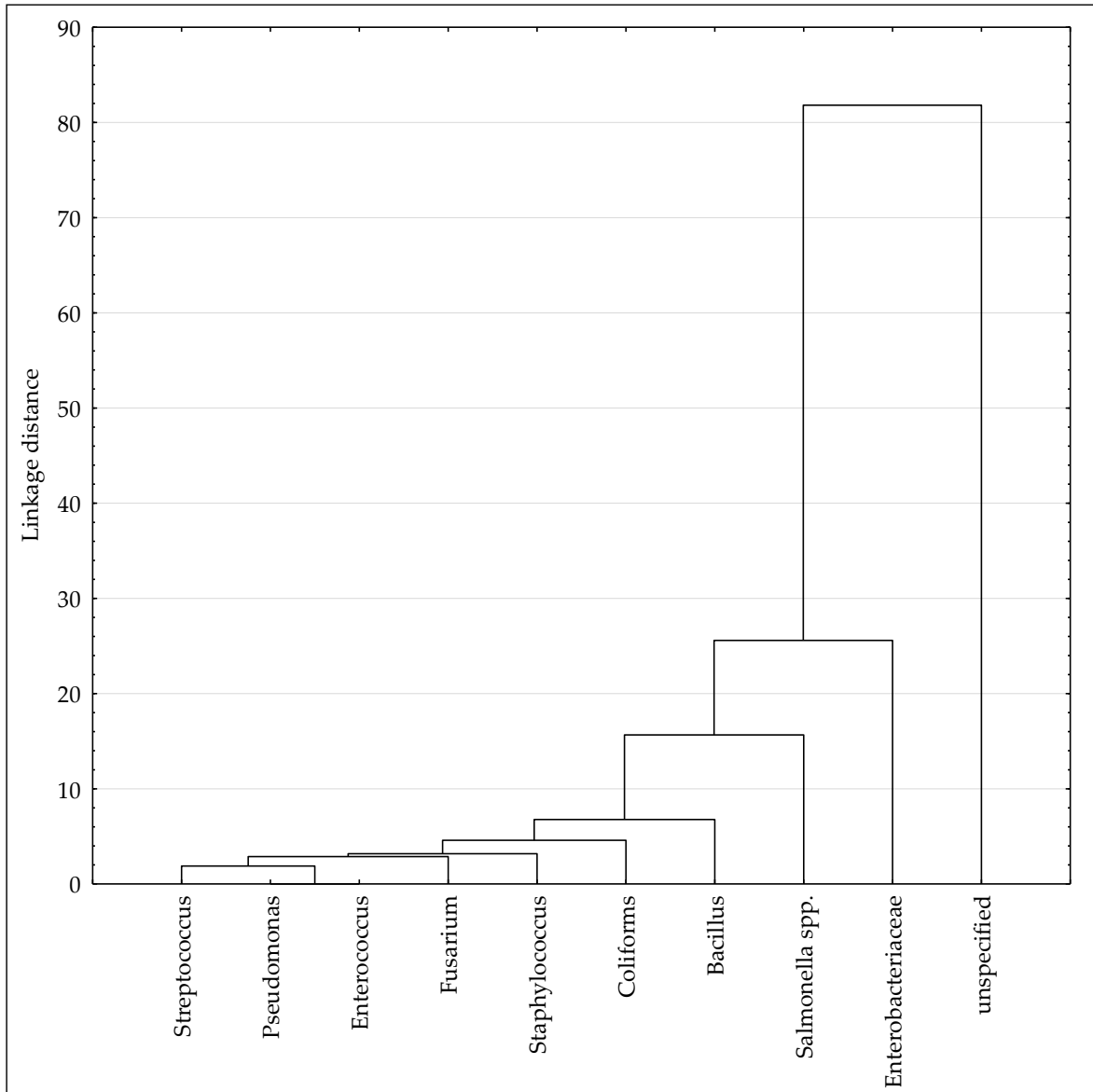


Figure S49. Similarities of RASFF notifications on non-pathogenic microorganisms and origin country within feed using joining.

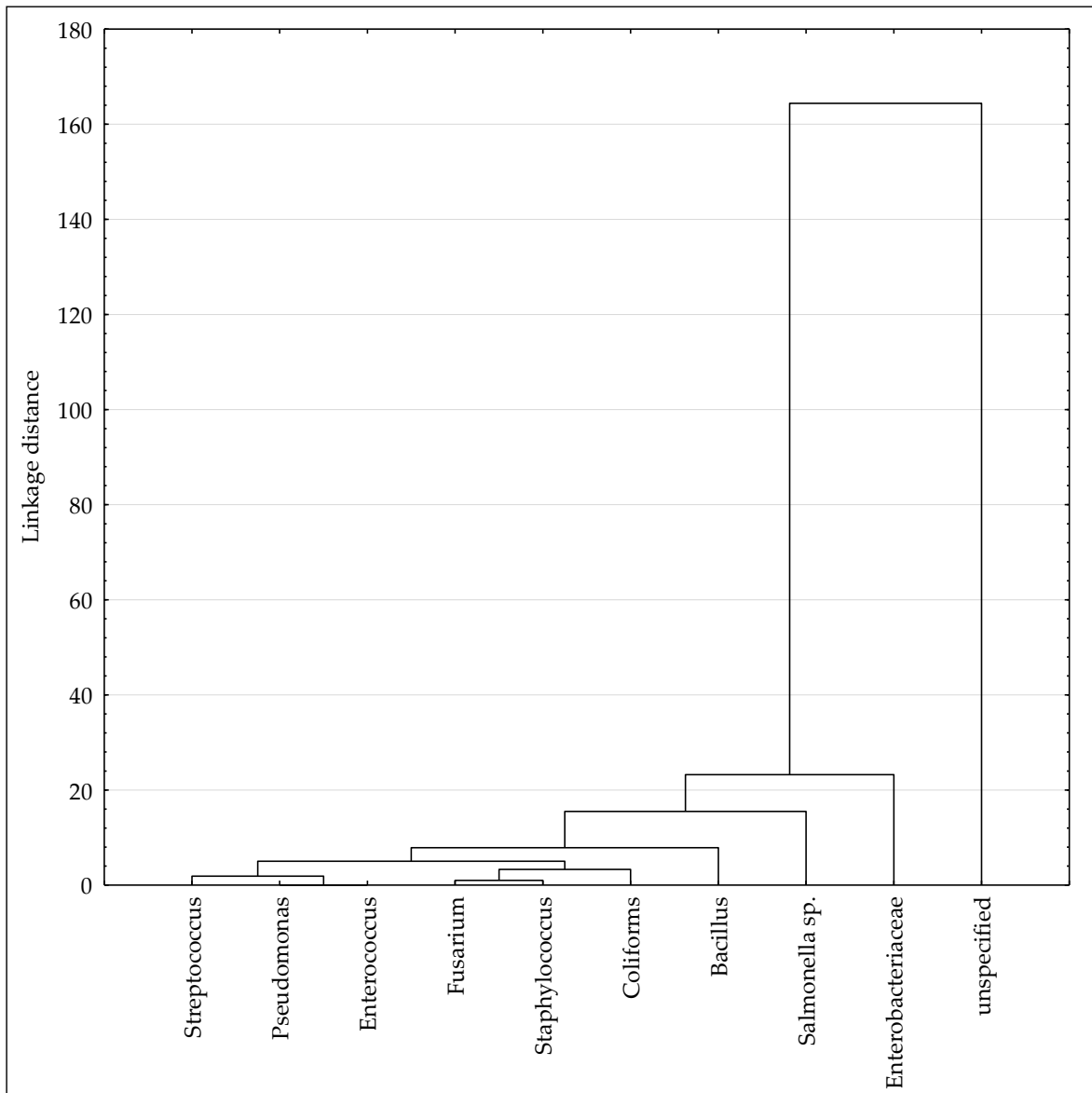


Figure S50. Similarities of RASFF notifications on non-pathogenic microorganisms and notification basis within feed using joining.

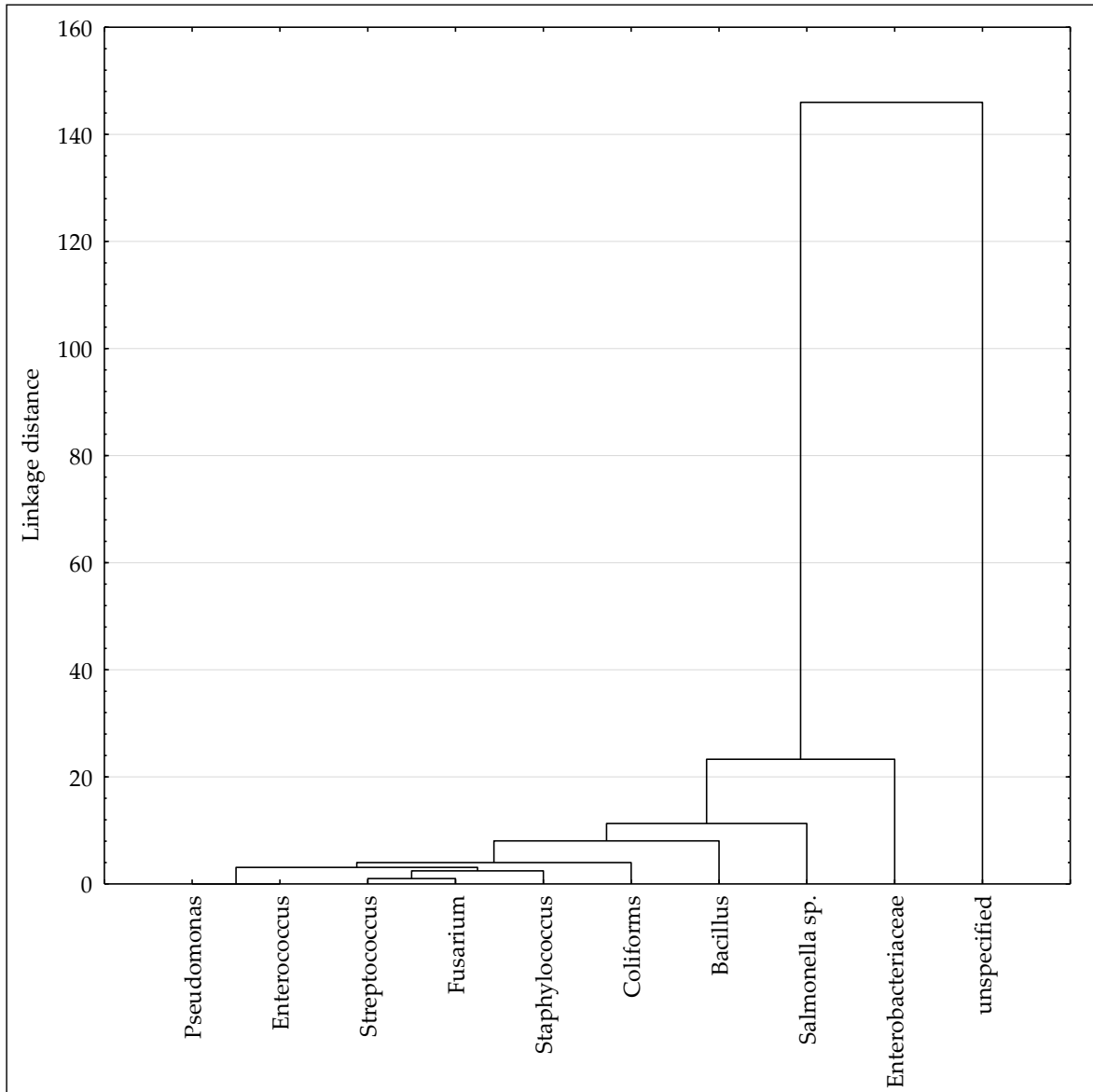


Figure S51. Similarities of RASFF notifications on non-pathogenic microorganisms and notification type within feed using joining.

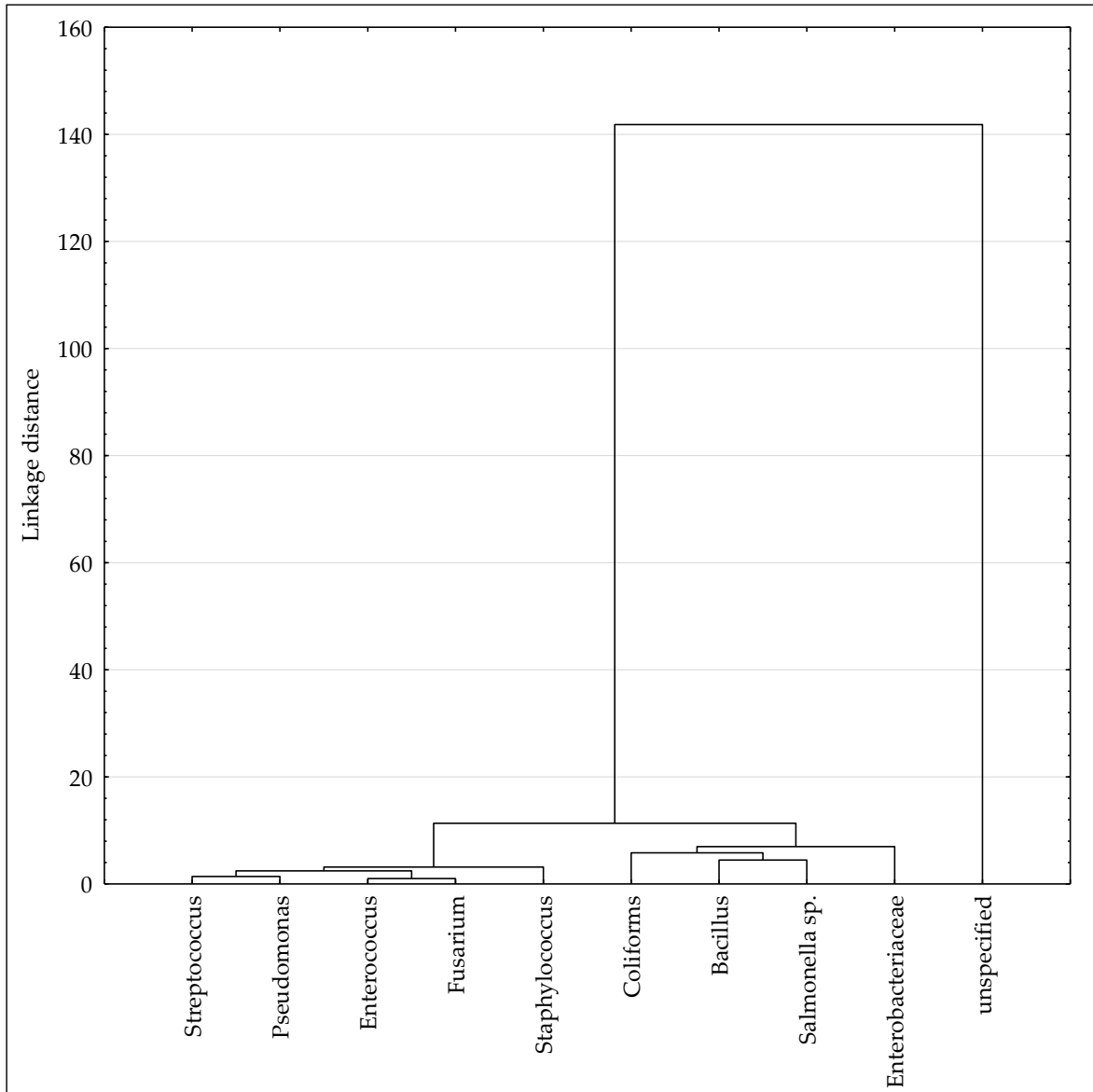


Figure S52. Similarities of RASFF notifications on non-pathogenic microorganisms and distribution status within feed using joining.

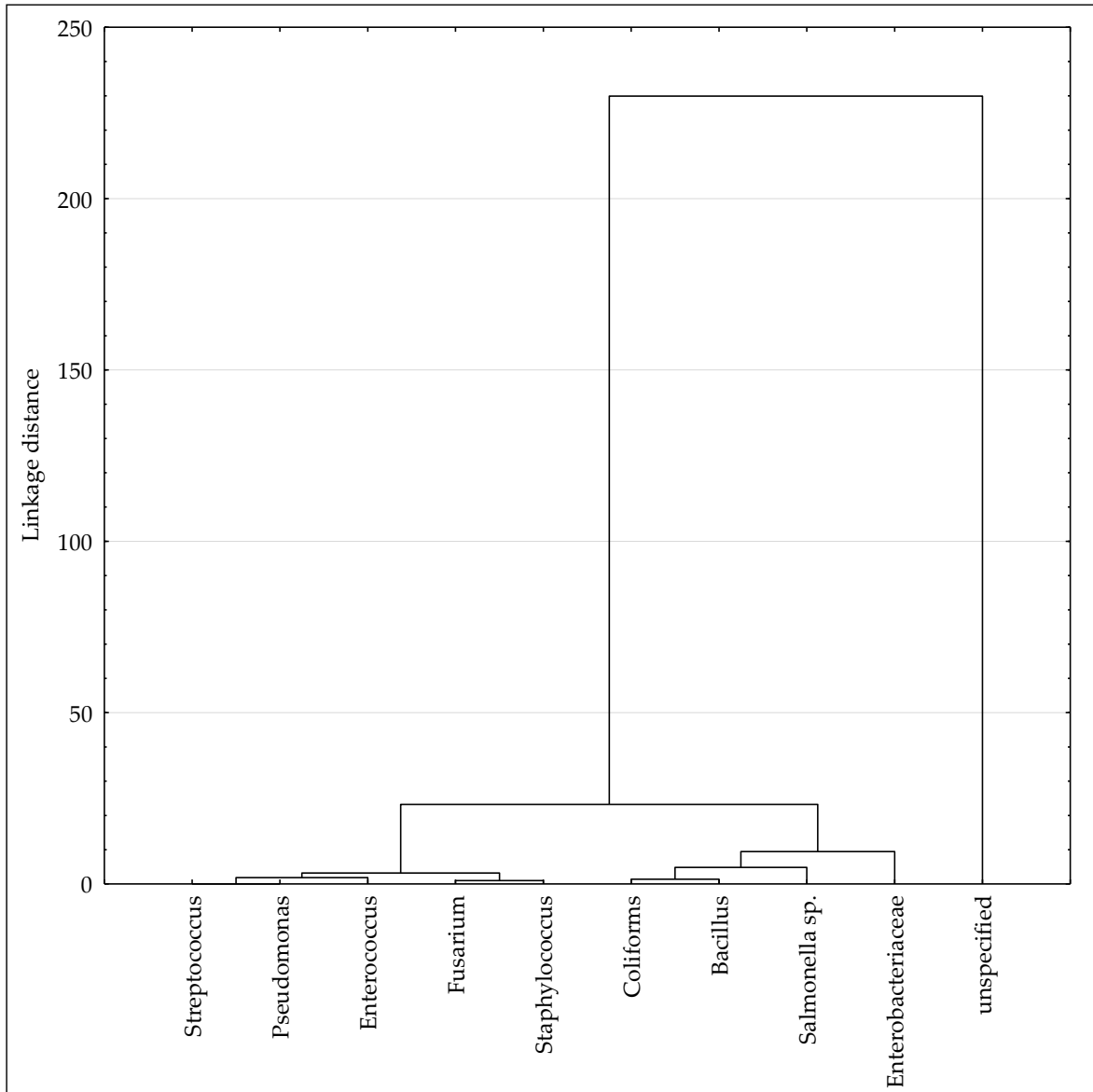


Figure S53. Similarities of RASFF notifications on non-pathogenic microorganisms and risk decision within feed using joining.

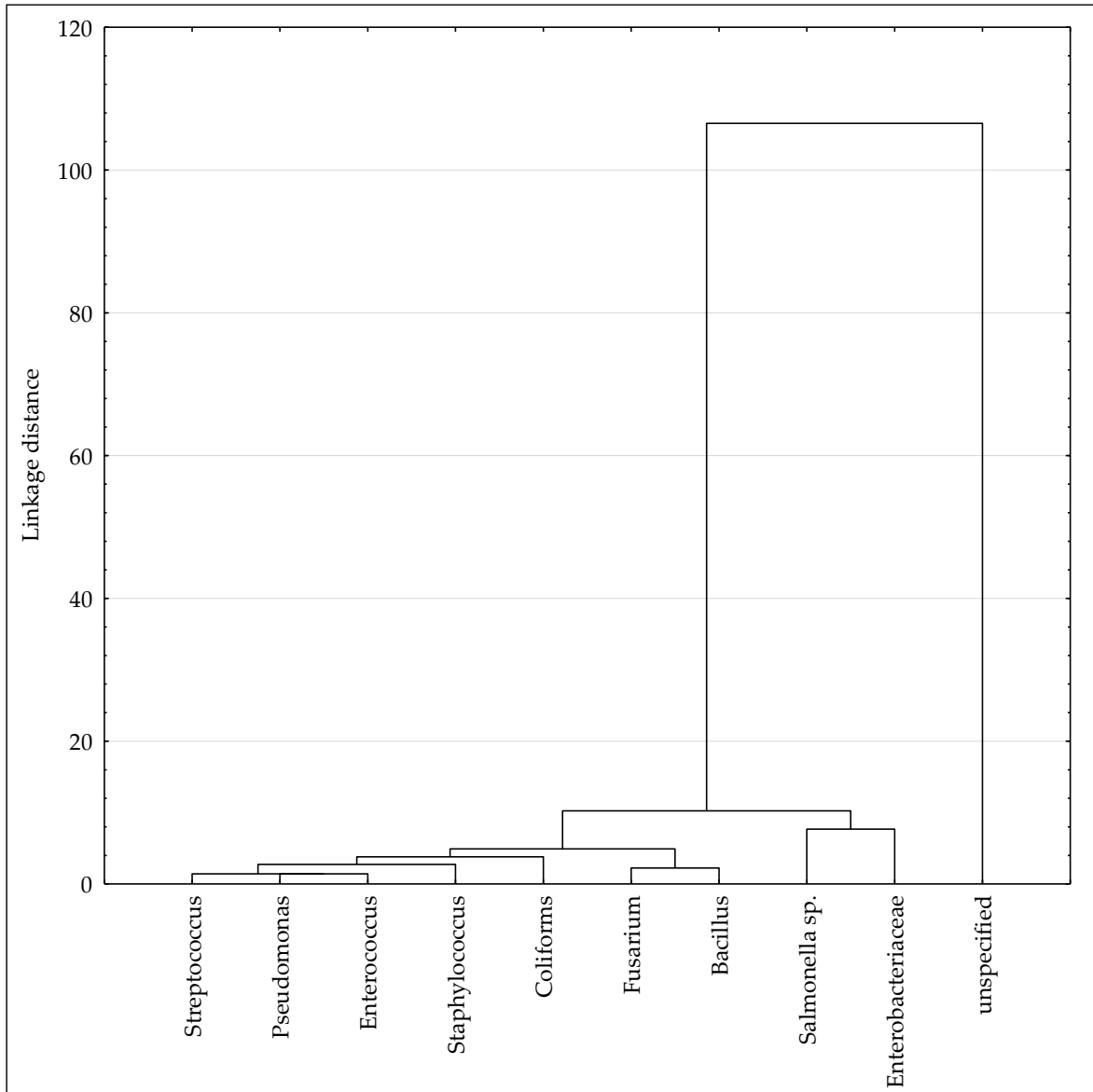


Figure S54. Similarities of RASFF notifications on non-pathogenic microorganisms and action taken within feed using joining.

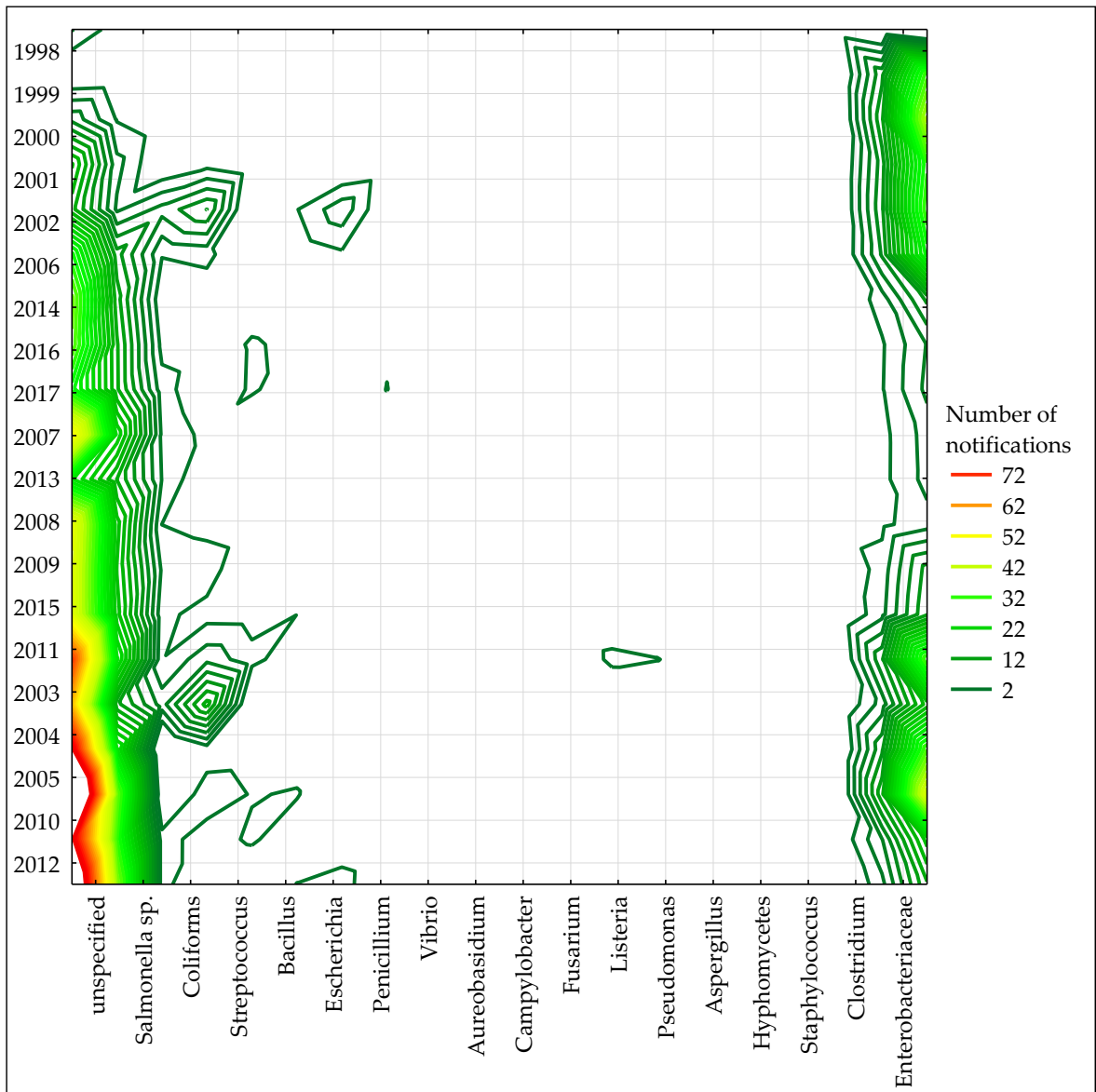


Figure S55. Similarities of RASFF notifications on non-pathogenic microorganisms and year within food using two-way joining.

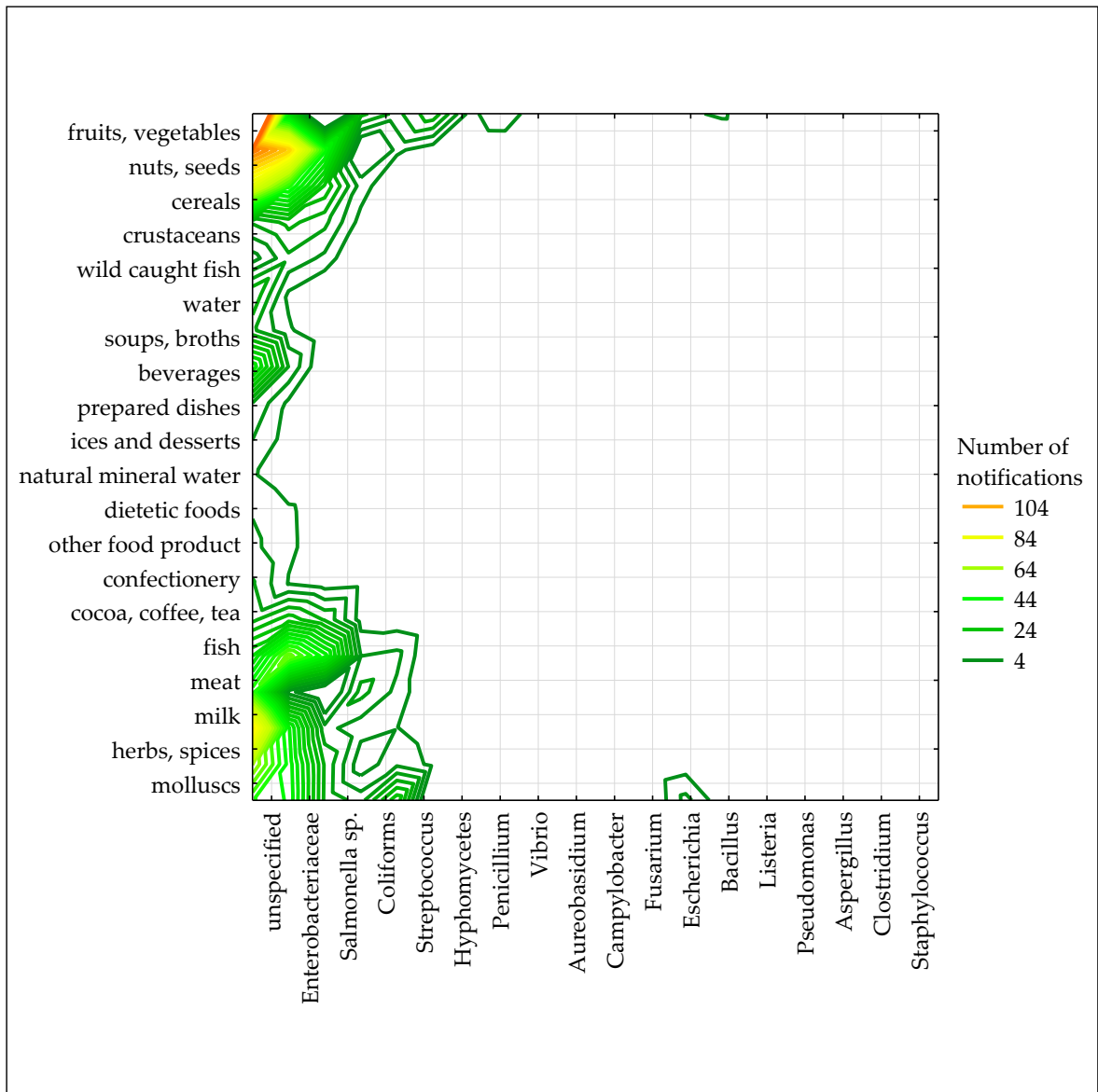


Figure S56. Similarities of RASFF notifications on non-pathogenic microorganisms and product category within food using two-way joining.

beverages – non-alcoholic beverages

cereals – cereals and bakery products

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea

crustaceans – crustaceans and products thereof

dietetic foods – dietetic foods, food supplements, fortified foods

fish – fish and fish products

herbs, spices – herbs and spices

meat – meat and meat products (other than poultry)

milk – milk and milk products

molluscs – molluscs and products thereof - (obsolete)

nuts, seeds – nuts, nut products and seeds

other food product – other food product / mixed

prepared dishes – prepared dishes and snacks

soups, broths – soups, broths, sauces and condiments

water – water for human consumption (other)

wild caught fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

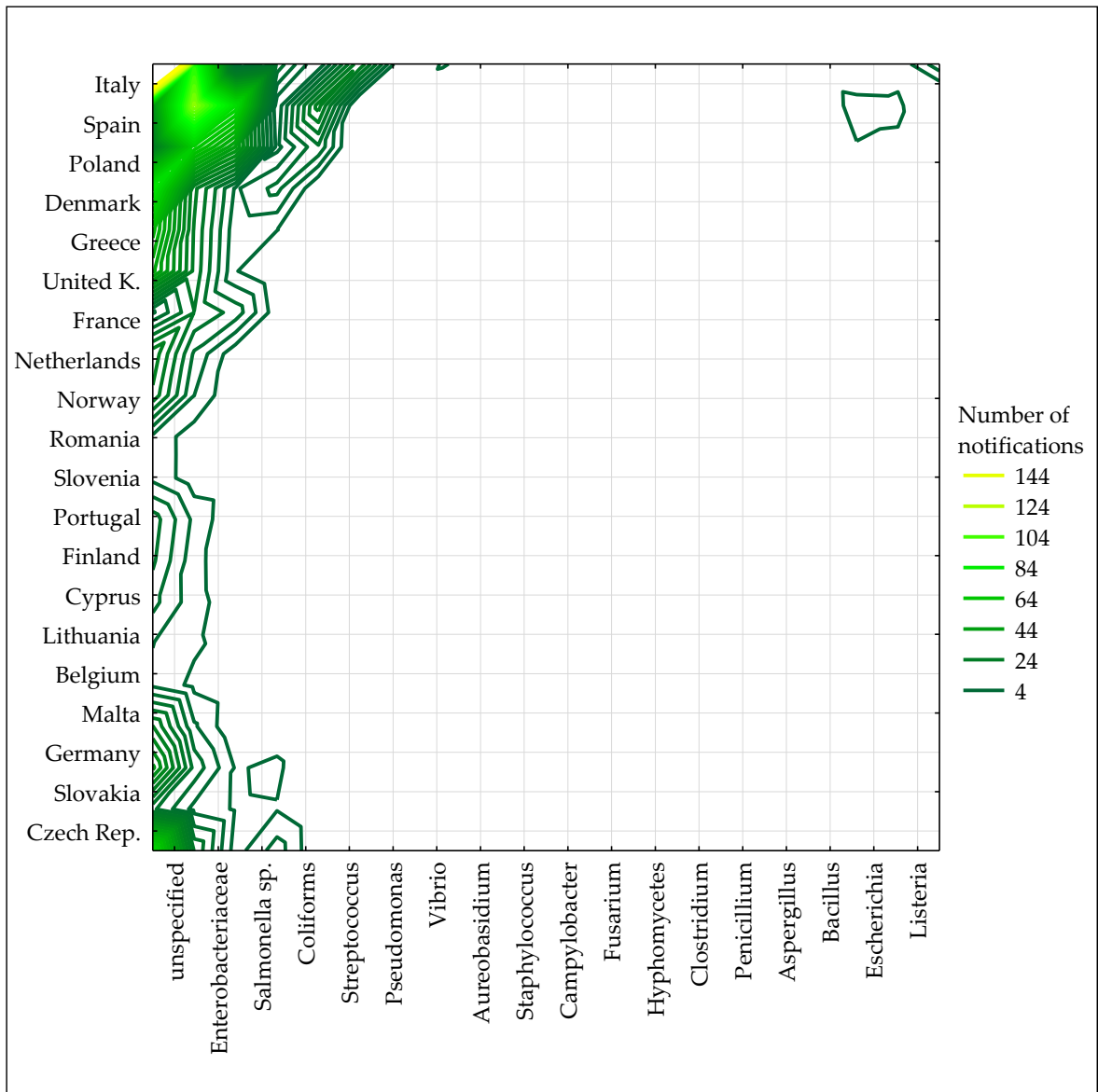


Figure S57. Similarities of RASFF notifications on non-pathogenic microorganisms and notifying country within food using two-way joining.

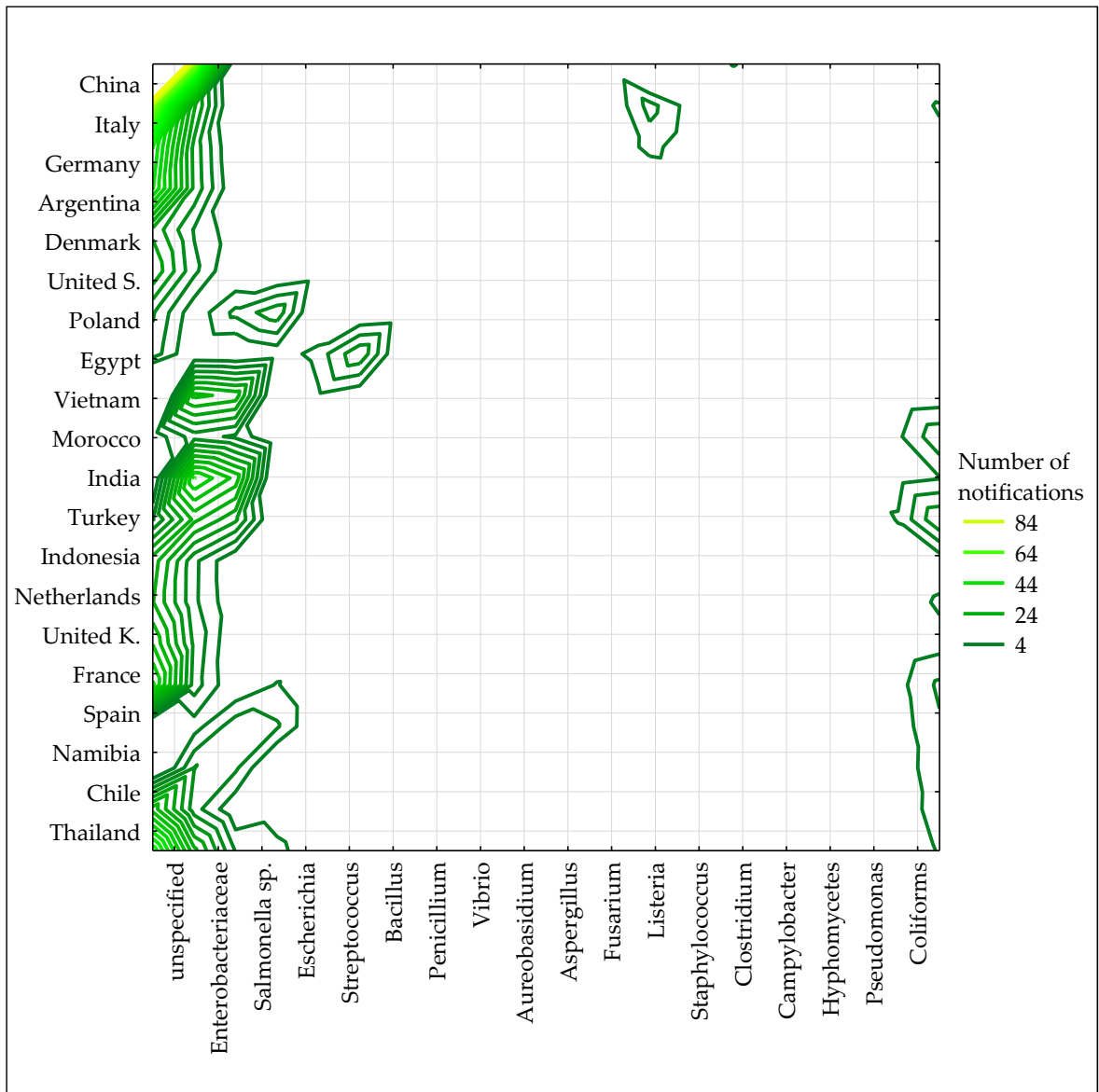


Figure S58. Similarities of RASFF notifications on non-pathogenic microorganisms and origin country within food using two-way joining.

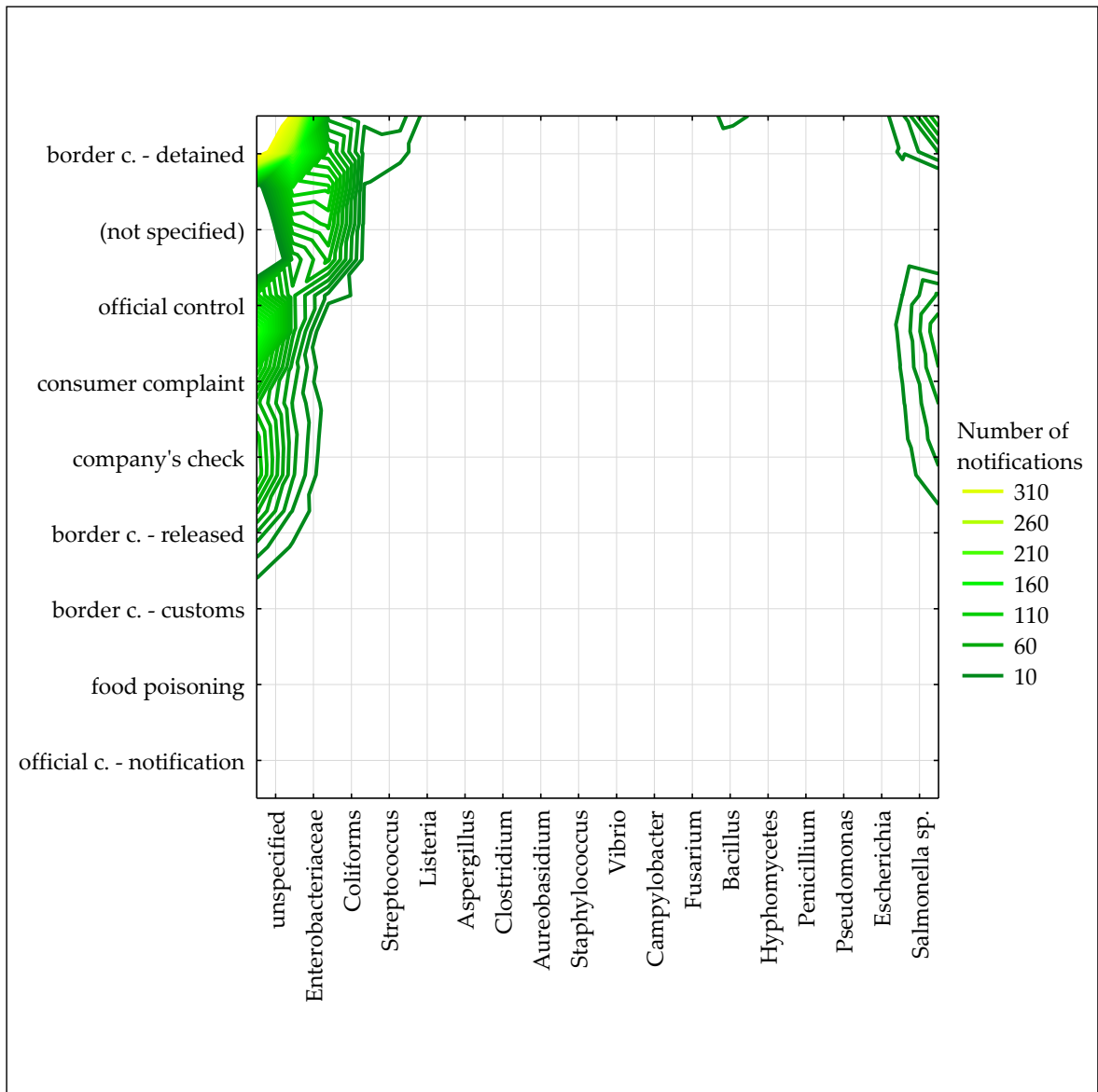


Figure S59. Similarities of RASFF notifications on non-pathogenic microorganisms and notification basis within food using two-way joining.

border c. - customs – border control - consignment under customs

border c. - detained – border control - consignment detained

border c. - released – border control - consignment released

company's check – company's own check

official c. - notification – official control following RASFF notification

official control – official control on the market

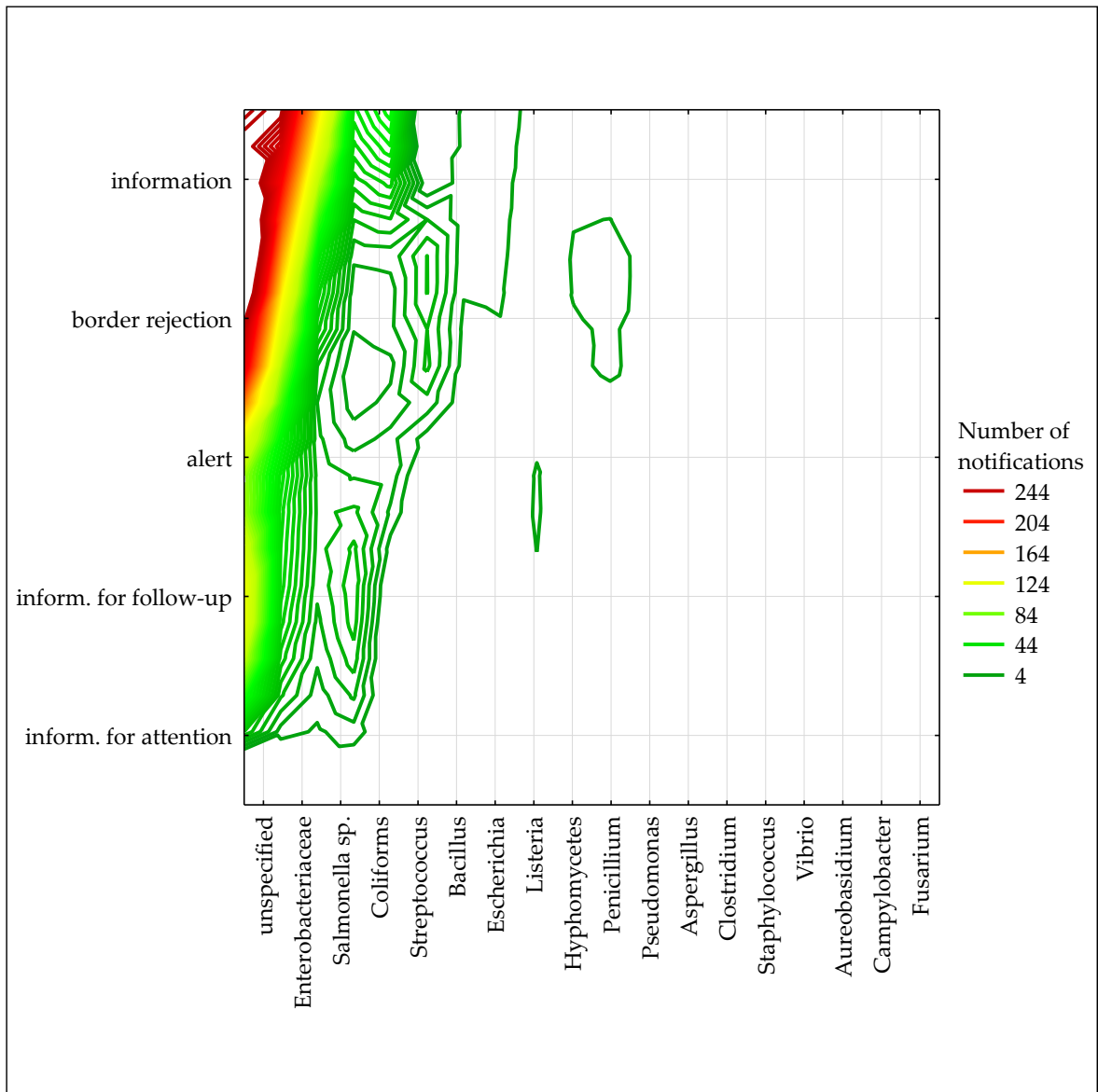


Figure S60. Similarities of RASFF notifications on non-pathogenic microorganisms and notification type within food using two-way joining.

inform. for attention – information for attention
 inform. for follow-up – information for follow-up

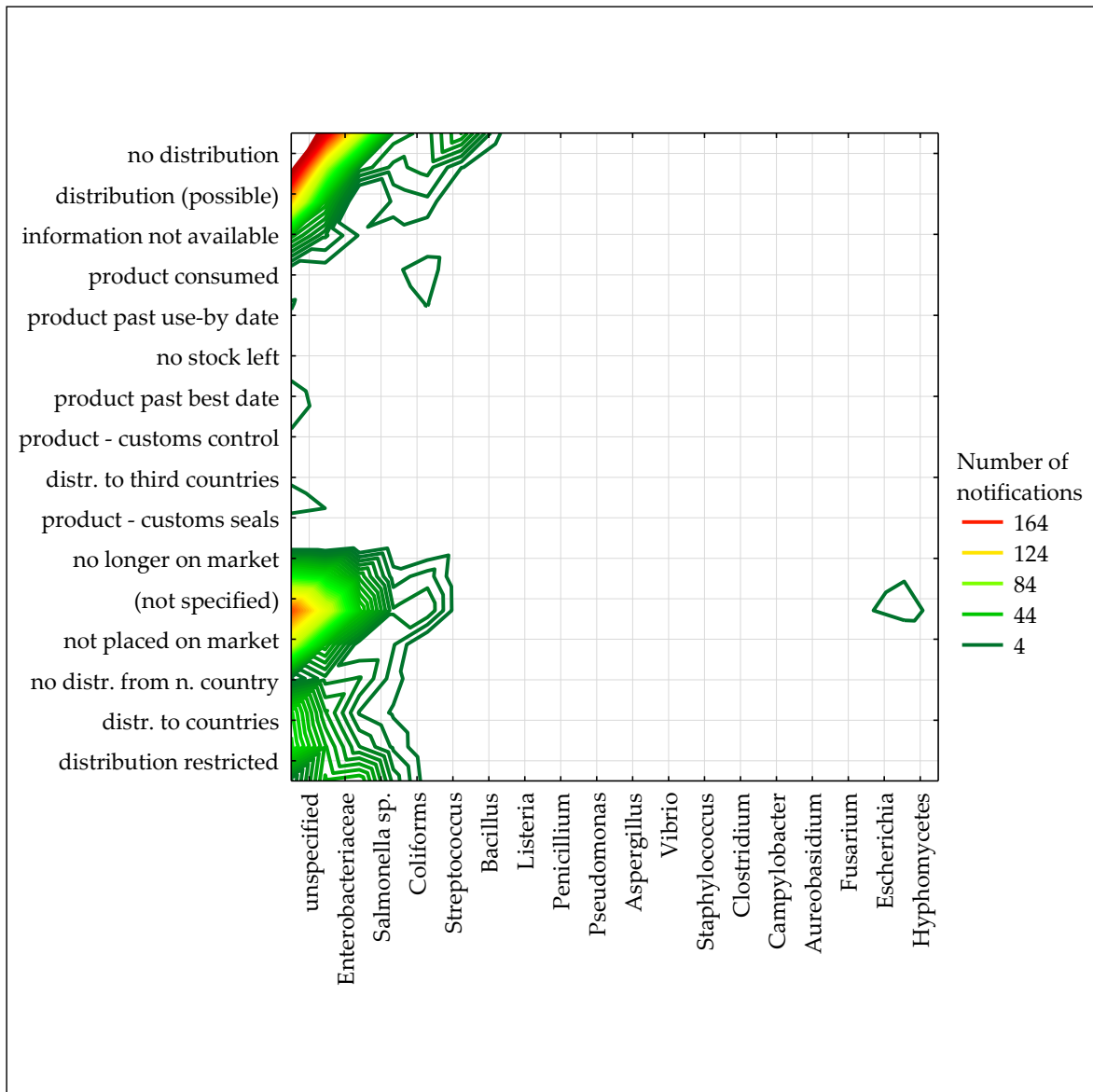


Figure S61. Similarities of RASFF notifications on non-pathogenic microorganisms and distribution status within food using two-way joining.

distr. to countries – distribution to other member countries

distr. to third countries – distribution to third countries

distribution (possible) – distribution on the market (possible)

distribution restricted – distribution restricted to notifying country

information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country

no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market

product - customs control – product under customs control

product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed

product past best date – product past best before date

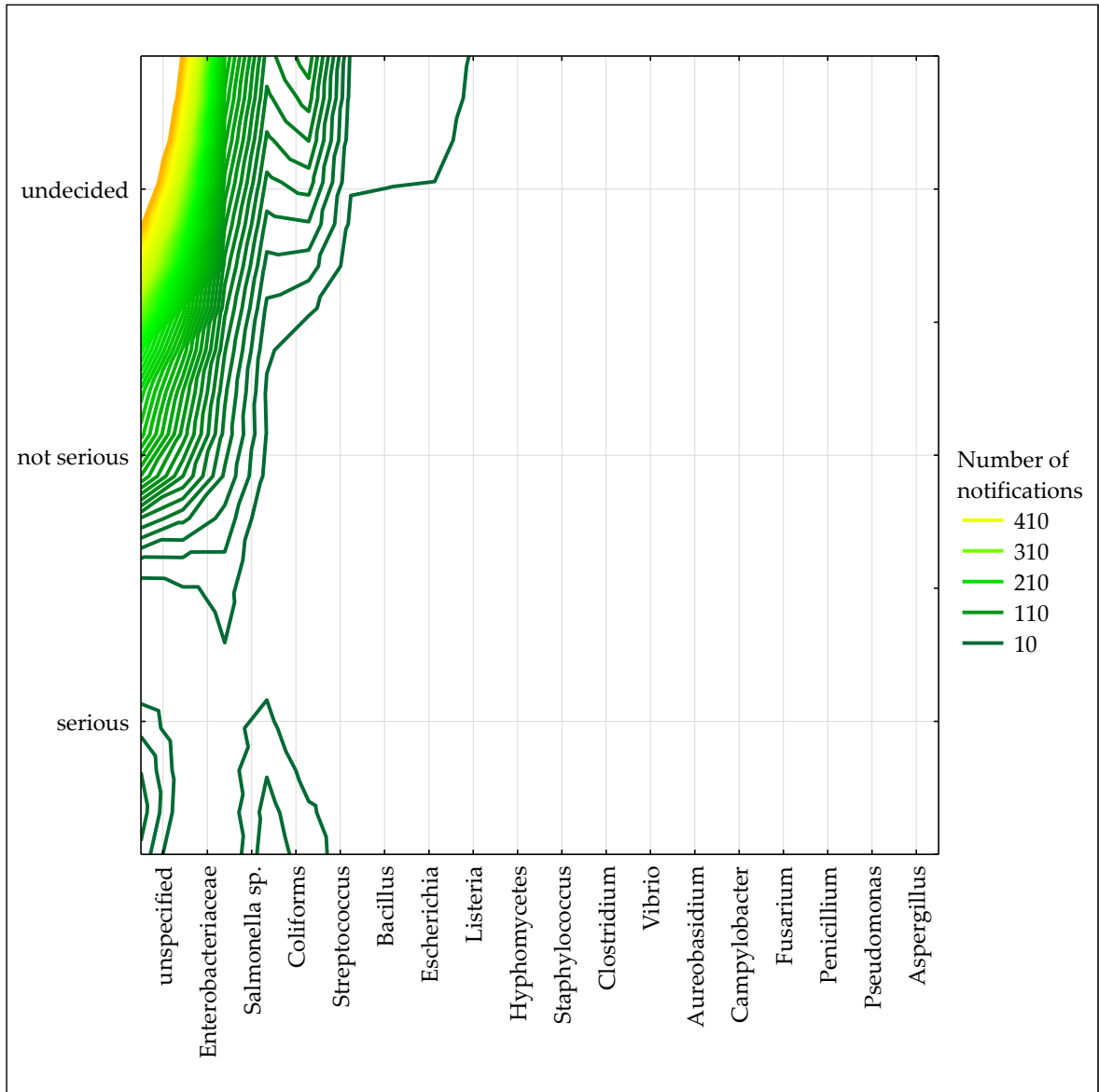


Figure S62. Similarities of RASFF notifications on non-pathogenic microorganisms and risk decision within food using two-way joining.

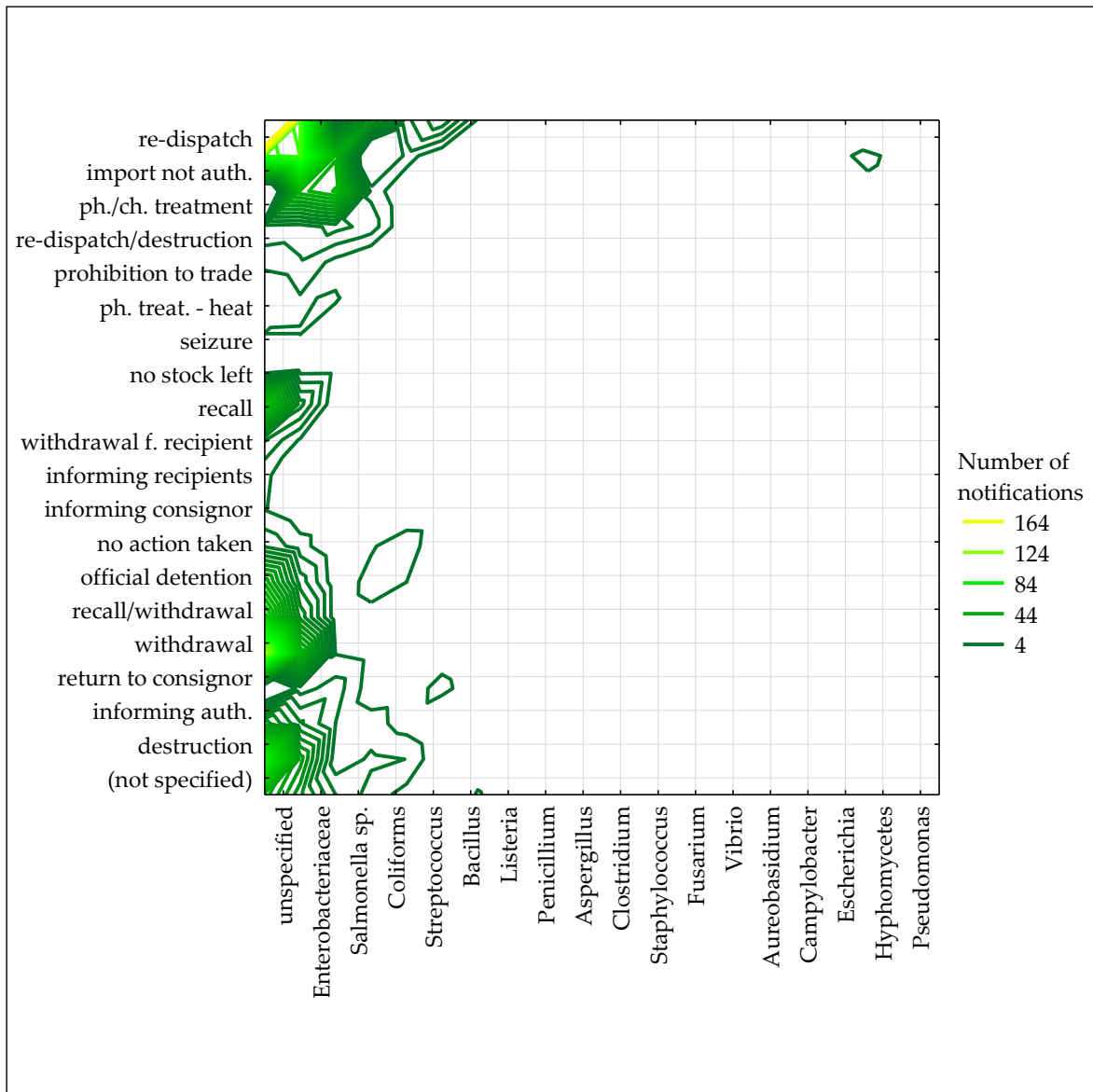


Figure S63. Similarities of RASFF notifications on non-pathogenic microorganisms and action taken within food using two-way joining.

import not auth. – import not authorised
informing auth. – informing authorities
ph. treat. - heat – physical treatment - heat treatment
ph./ch. treatment – physical/chemical treatment
prohibition to trade – prohibition to trade - sales ban
recall – recall from consumers
recall/withdrawal – product recall or withdrawal
re-dispatch/destruction – re-dispatch or destruction
withdrawal f. recipient – withdrawal from recipient(s)
withdrawal – withdrawal from the market

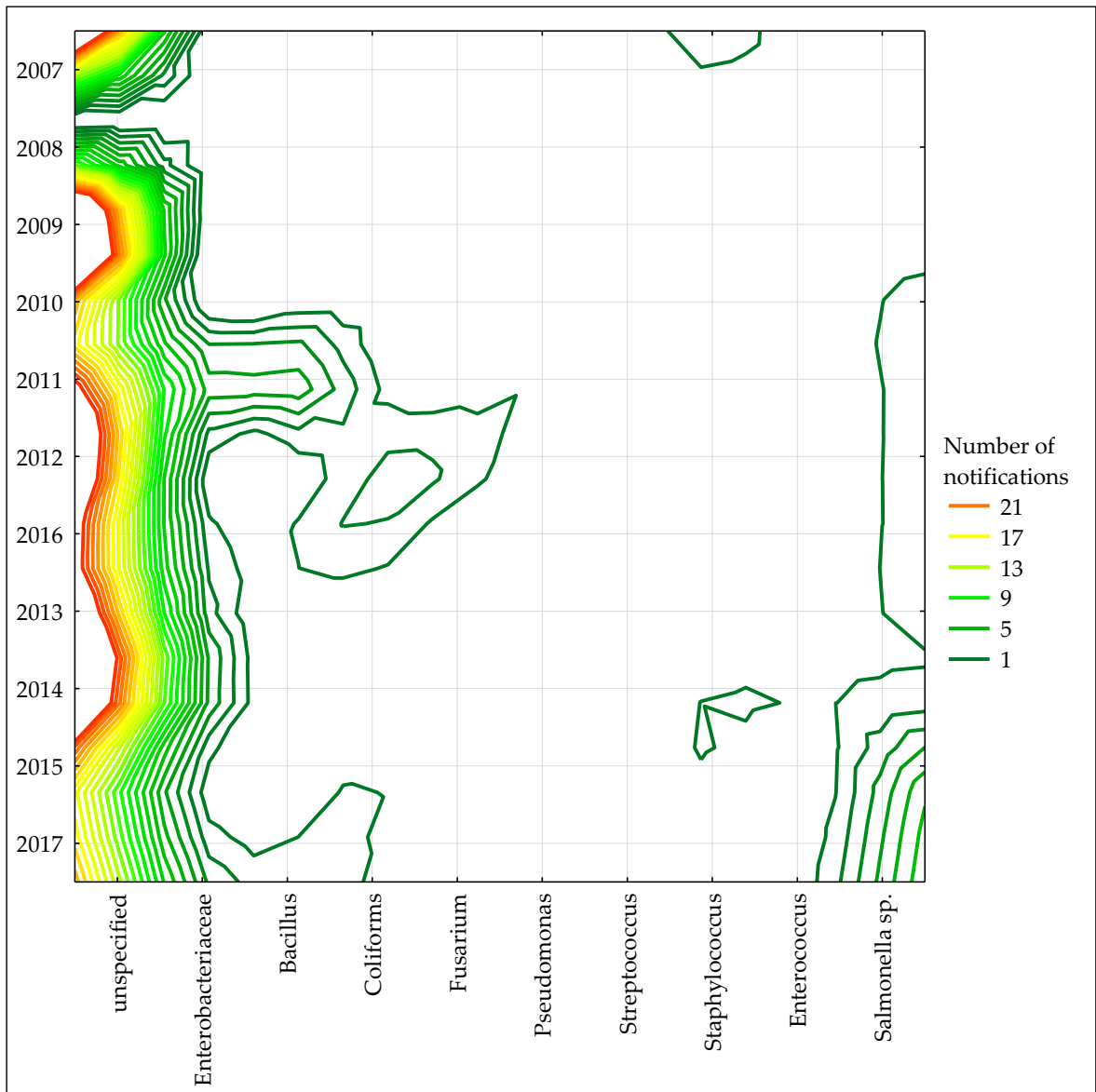


Figure S64. Similarities of RASFF notifications on non-pathogenic microorganisms and year within feed using two-way joining.

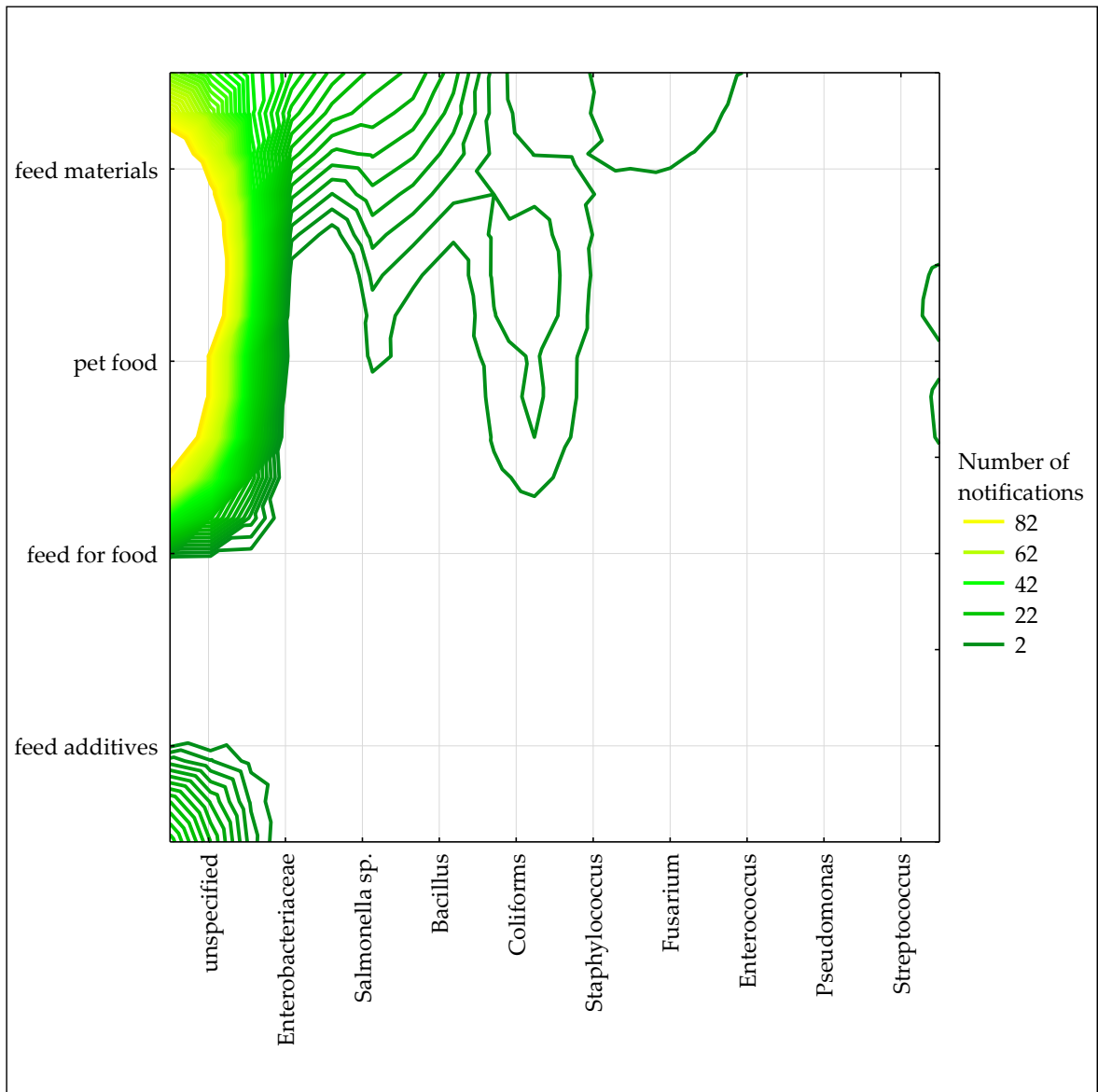


Figure S65. Similarities of RASFF notifications on non-pathogenic microorganisms and product category within feed using two-way joining.

feed for food – feed for food-producing animals - (obsolete)

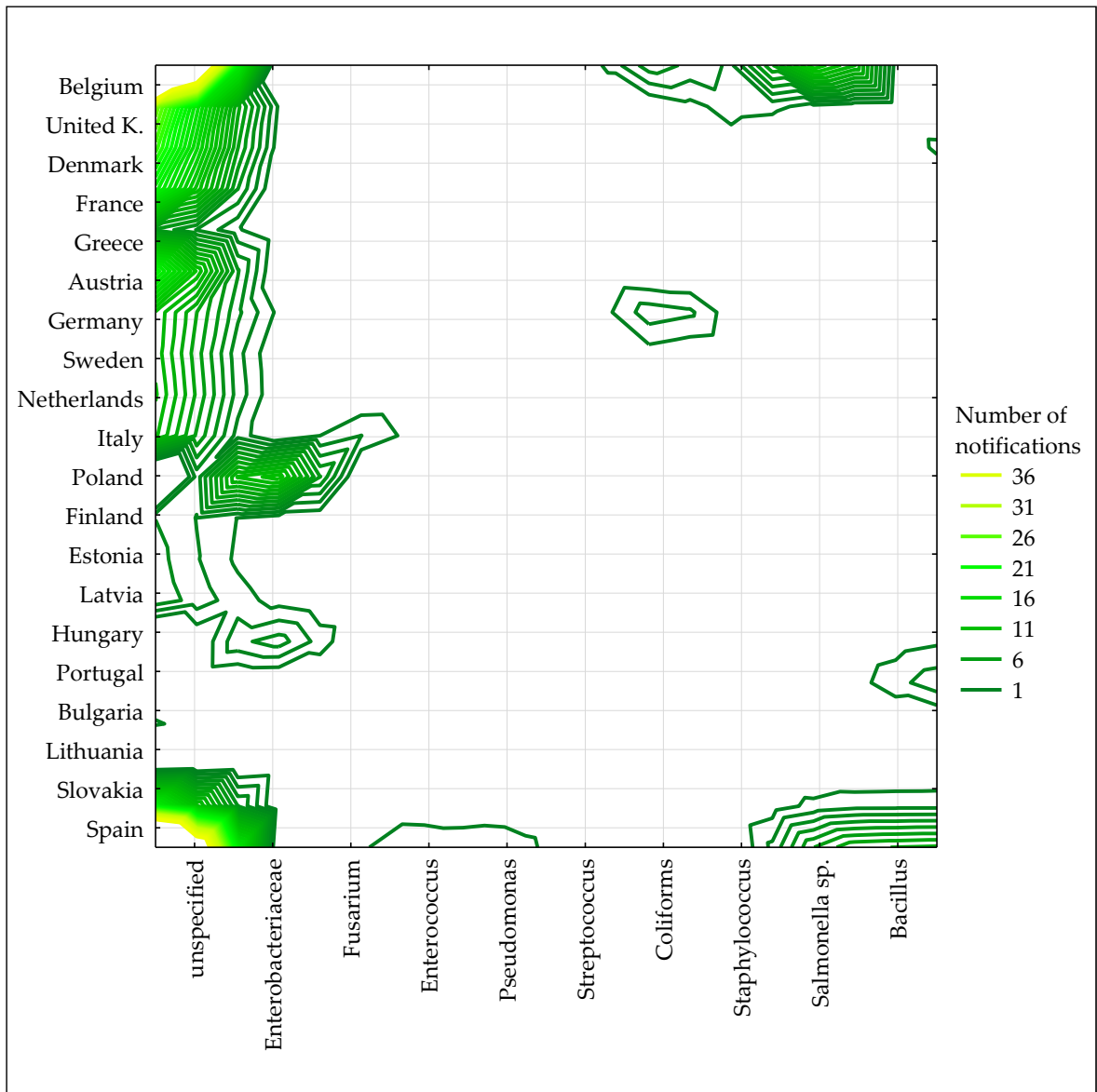


Figure S66. Similarities of RASFF notifications on non-pathogenic microorganisms and notifying country within feed using two-way joining.

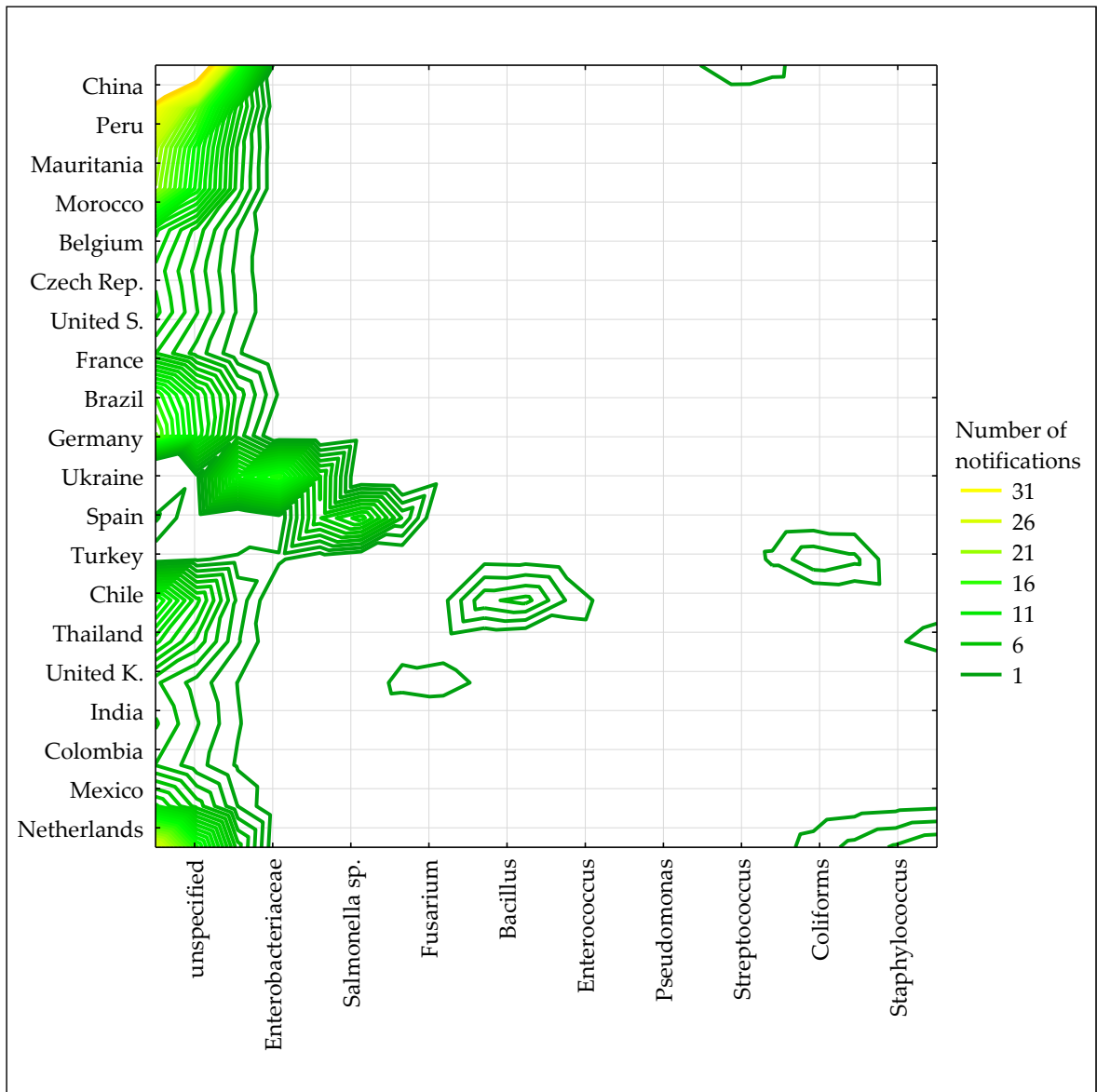


Figure S67. Similarities of RASFF notifications on non-pathogenic microorganisms and origin country within feed using two-way joining.

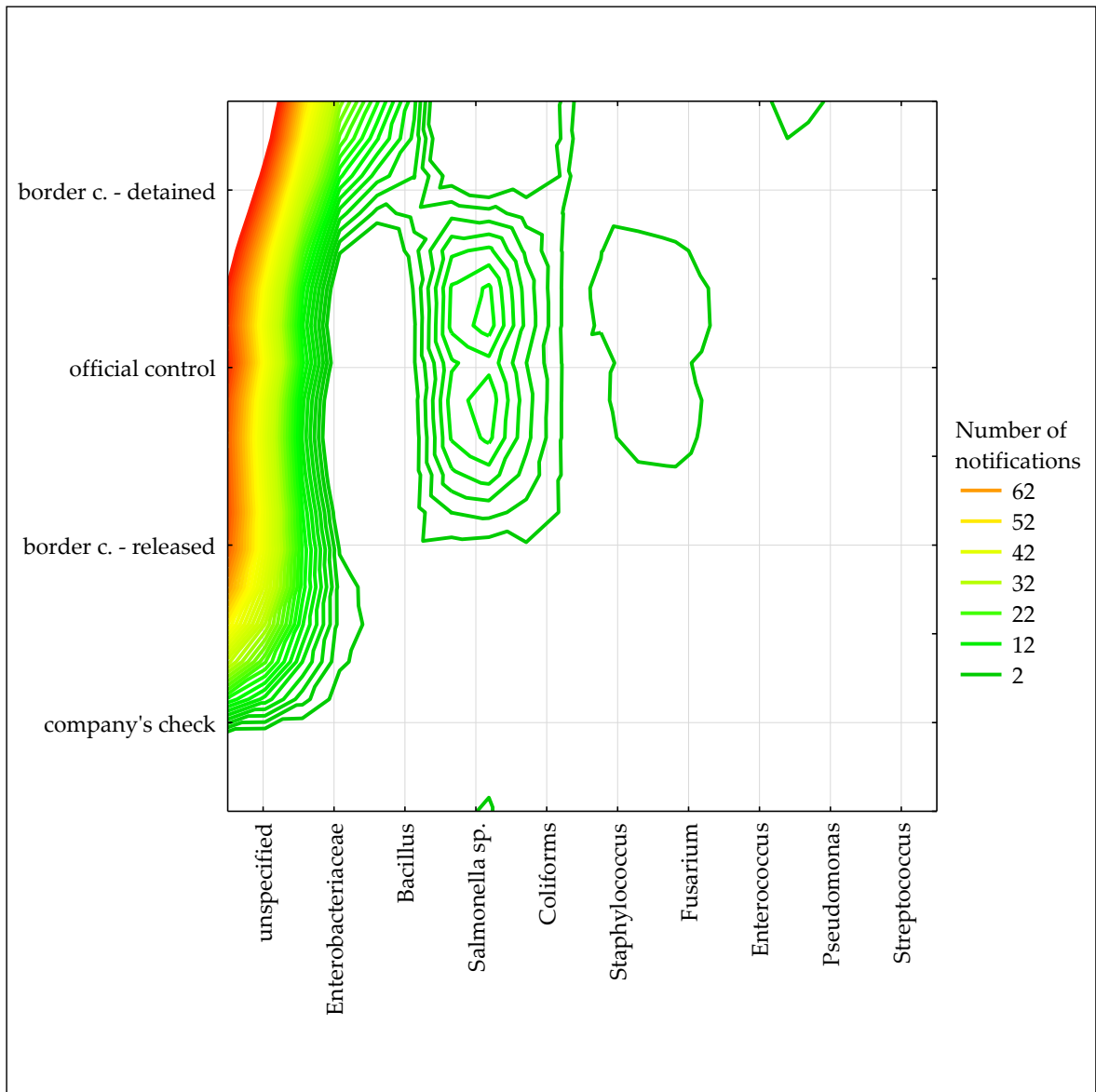


Figure S68. Similarities of RASFF notifications on non-pathogenic microorganisms and notification basis within feed using two-way joining.

border c. - detained – border control - consignment detained

border c. - released – border control - consignment released

company's check – company's own check

official control – official control on the market

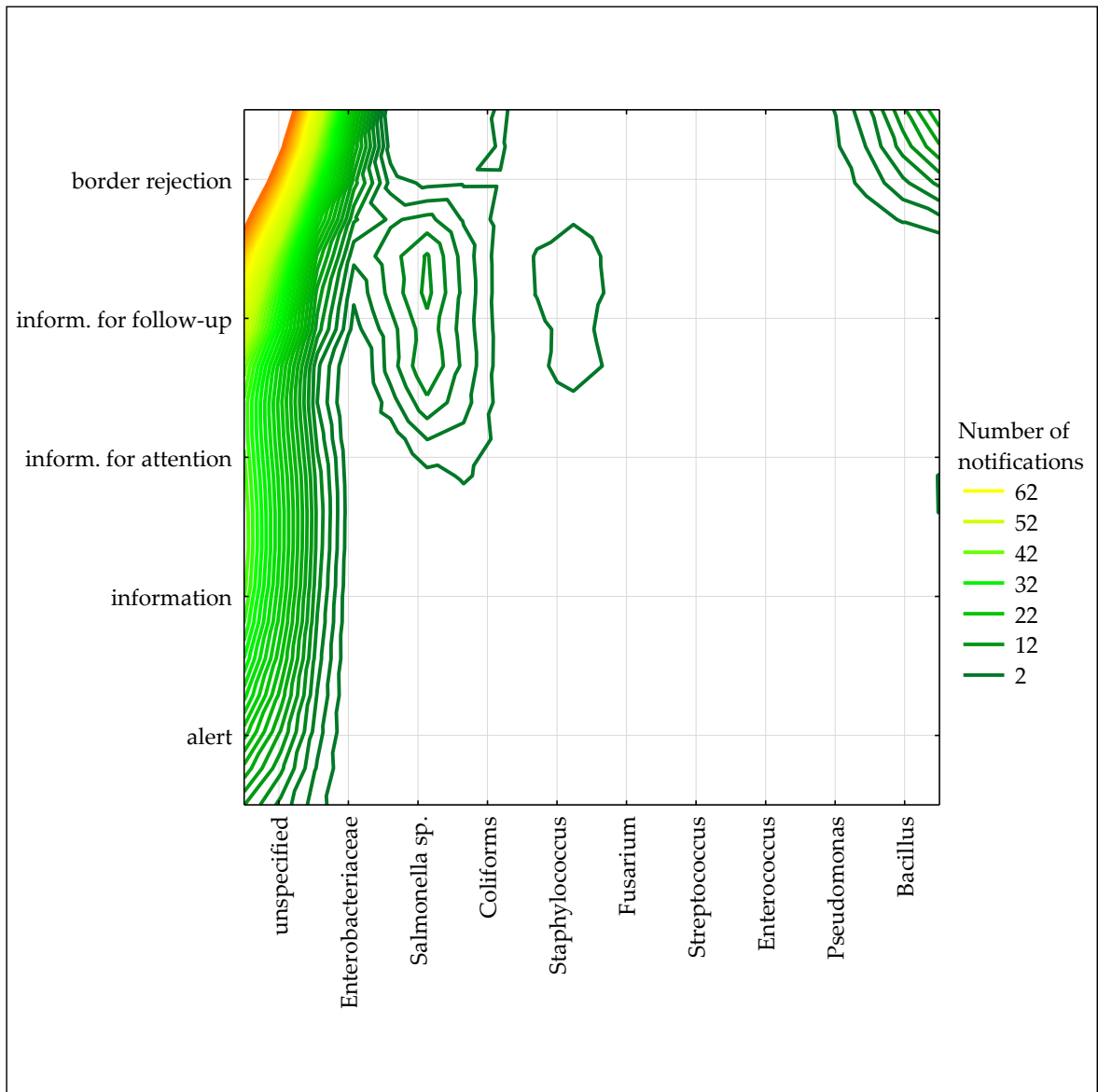


Figure S69. Similarities of RASFF notifications on non-pathogenic microorganisms and notification type within feed using two-way joining.

inform. for attention – information for attention
 inform. for follow-up – information for follow-up

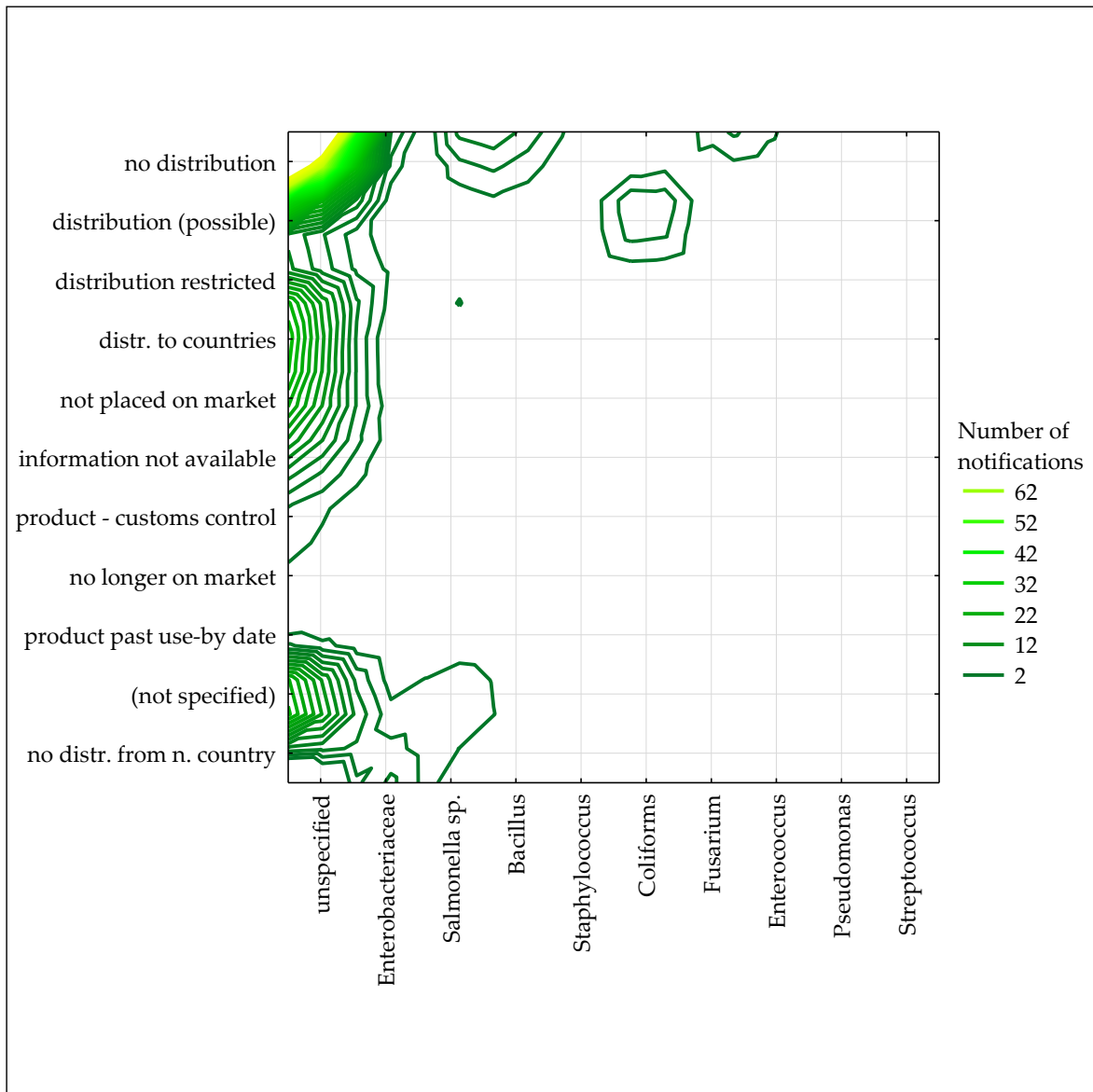


Figure S70. Similarities of RASFF notifications on non-pathogenic microorganisms and distribution status within feed using two-way joining.

distr. to countries – distribution to other member countries
distribution (possible) – distribution on the market (possible)
distribution restricted – distribution restricted to notifying country
information not available – information on distribution not (yet) available
no distr. from n. country – no distribution from notifying country
no longer on market – product (presumably) no longer on the market
not placed on market – product not (yet) placed on the market
product - customs control – product under customs control

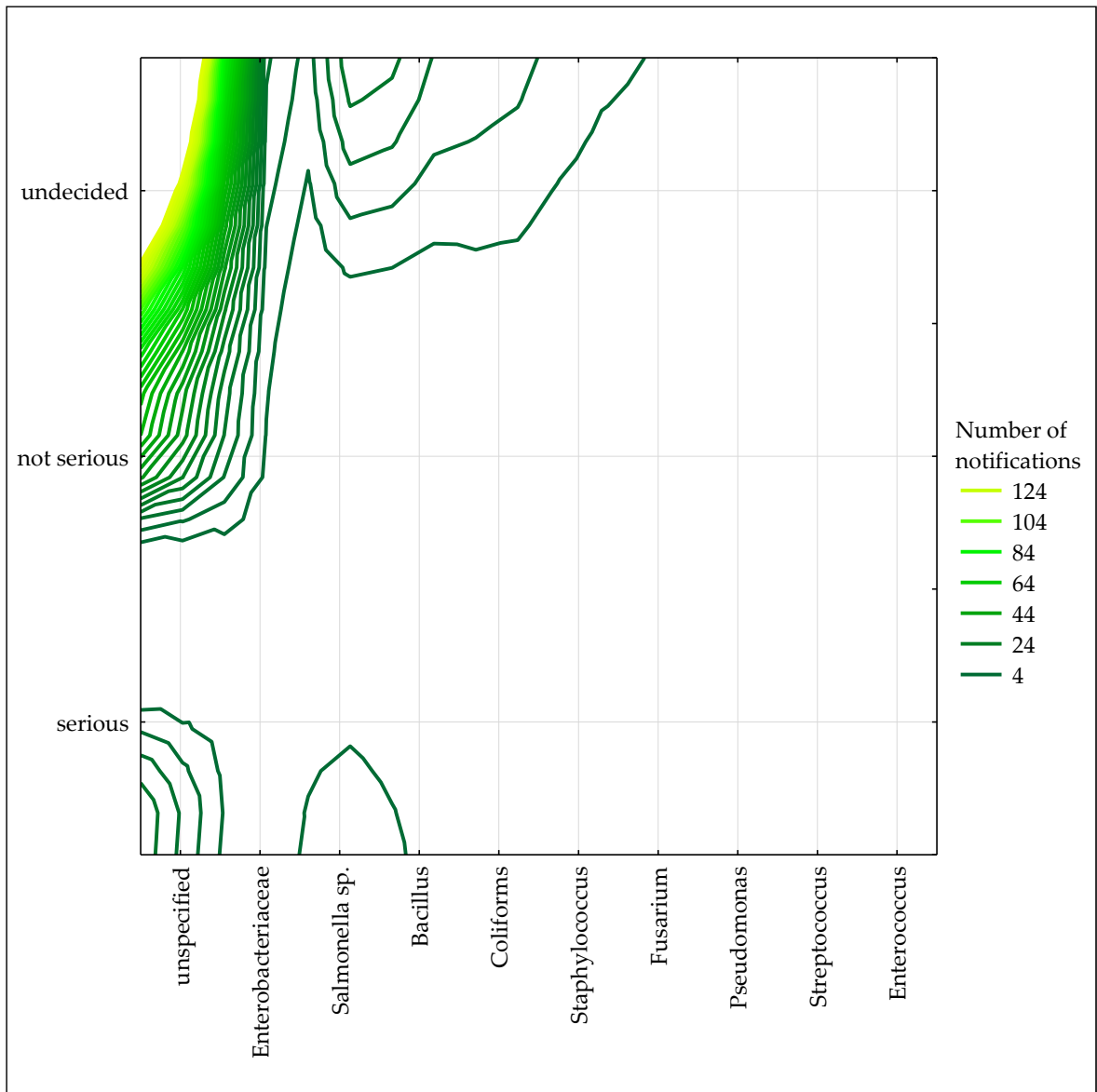


Figure S71. Similarities of RASFF notifications on non-pathogenic microorganisms and risk decision within feed using two-way joining.

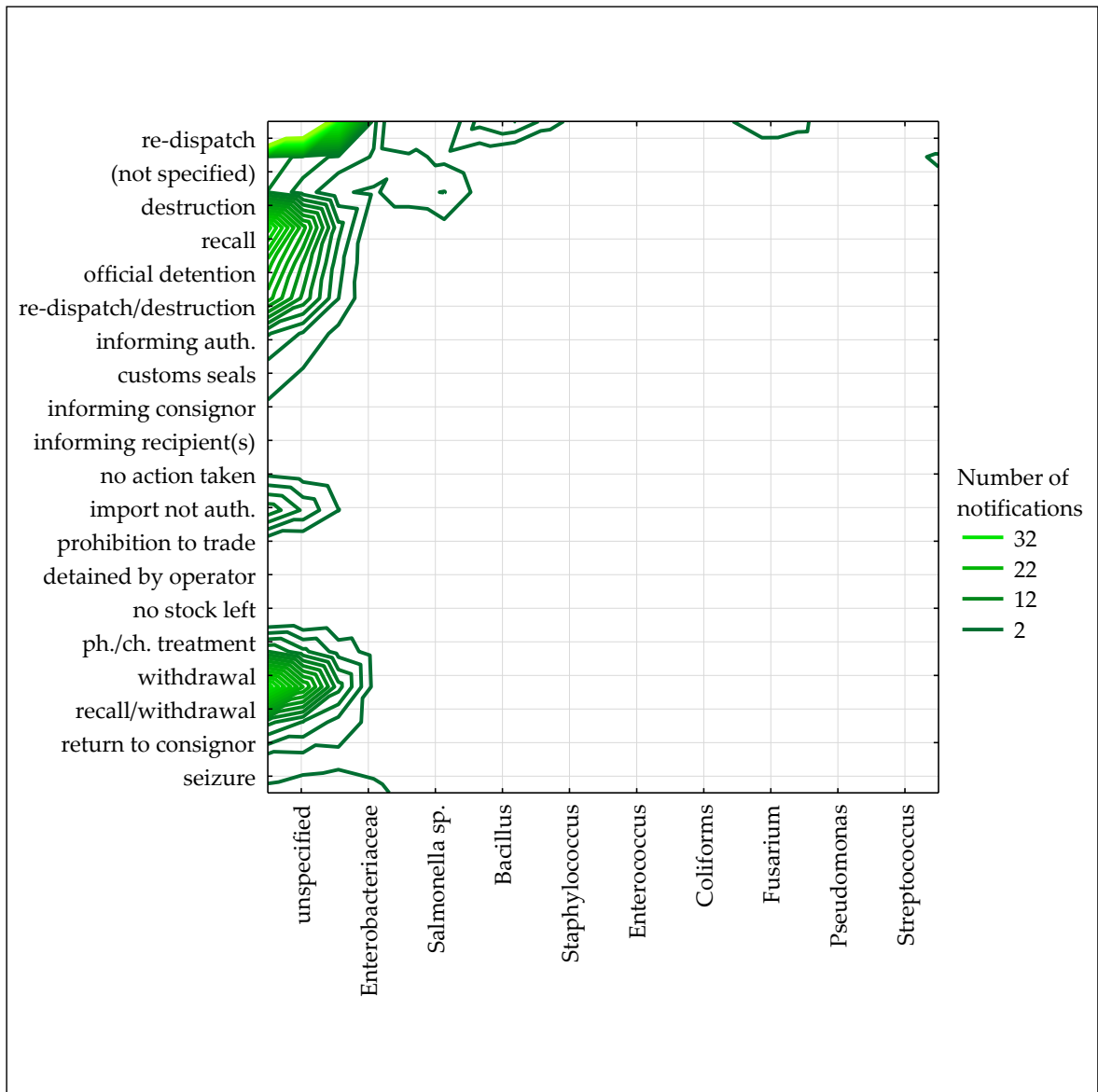


Figure S72. Similarities of RASFF notifications on non-pathogenic microorganisms and action taken within feed using two-way joining.

- customs seals – placed under customs seals
- import not auth. – import not authorised
- informing auth. – informing authorities
- ph./ch. treatment – physical/chemical treatment
- prohibition to trade – prohibition to trade - sales ban
- recall – recall from consumers
- recall/withdrawal – product recall or withdrawal
- re-dispatch/destruction – re-dispatch or destruction
- withdrawal – withdrawal from the market