Supplementary Information

FIGURE S1 Similarities between notifications within product categories and hazard categories.

residues of veterinary products – residues of veterinary medicinal products
TSEs – transmissible spongiform encephalopathies
FIGURE S2 Similarities between notifications within years and hazard categories.

residues of veterinary products – residues of veterinary medicinal products
TSEs – transmissible spongiform encephalopathies
TSEs – transmissible spongiform encephalopathies

residues of veterinary products – residues of veterinary medicinal products

FIGURE S3 Similarities between notifications within notifying countries and hazard categories.
FIGURE S4

Similarities between notifications within origin countries and hazard categories.

TSEs - transmissible spongiform encephalopathies.
FIGURE S5 Similarities between notifications within notification basis and hazard categories.

residues of veterinary products – residues of veterinary medicinal products
TSEs – transmissible spongiform encephalopathies
residues of veterinary products – residues of veterinary medicinal products
TSEs – transmissible spongiform encephalopathies
FIGURE S7: Similarities between notifications within distribution status and hazard categories.

residues of veterinary products – residues of veterinary medicinal products
TSEs – transmissible spongiform encephalopathies
FIGURE S8

Similarities between notifications within risk decision and hazard categories.

TSEs – transmissible spongiform encephalopathies
residues of veterinary products – residues of veterinary medicinal products

linkage distance

0 3000 6000 9000 12000 15000 18000 21000

TSEs
chemical contamination (other)
feed additives
not determined / other
packaging defective / incorrect
labelling absent/incomplete/incorrect
biotoxins (other)
migration
radiation
novel food
genetically modified food or feed
parasitic infestation
organoleptic aspects
industrial contaminants
biocontaminants
allergens
adulteration / fraud
non-pathogenic micro-organisms
poor or insufficient controls
foreign bodies
residues of veterinary products
food additives and flavourings
composition
heavy metals
pesticide residues
pathogenic micro-organisms
mycotoxins

residues of veterinary products – residues of veterinary medicinal products

0 5000 10000 15000 20000

linkage distance

0 3000 6000 9000 12000 15000 18000 21000
FIGURE 99: Similarities between notifications within action taken and hazard categories.

- TSEs
- chemical contamination (other)
- feed additives
- not determined / other
- migration
- packaging defective / incorrect
- labelling absent/incomplete/incorrect
- radiation
- biotoxins (other)
- novel food
- biocontaminants
- genetically modified food or feed
- industrial contaminants
- parasitic infestation
- organoleptic aspects
- non-pathogenic micro-organisms
- adulteration / fraud
- poor or insufficient controls
- residues of veterinary products
- allergens
- foreign bodies
- composition
- food additives and flavourings
- heavy metals
- pesticide residues
- pathogenic micro-organisms
- mycotoxins

TSEs – transmissible spongiform encephalopathies
FIGURE S10 Similarities between product category and year within notifications on mycotoxins.
cereals – cereals and bakery products
cooking, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
fish – fish and fish products
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
ices, desserts – ices and desserts
milk – milk and milk products
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

**FIGURE S11** Similarities between product category and notifying country within notifications on mycotoxins.
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
fats, oils – fats and oils
fish – fish and fish products
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
ices, desserts – ices and desserts
milk – milk and milk products
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

**FIGURE S12** Similarities between product category and origin country within notifications on mycotoxins.
FIGURE S13 Similarities between product category and notification basis within notifications on mycotoxins.
Similarities between product category and notification type within notifications on mycotoxins.

**FIGURE S14**
FIGURE S15 Similarities between product category and distribution status within notifications on mycotoxins.
FIGURE S16 Similarities between product category and risk decision within notifications on mycotoxins.
cereals – cereals and bakery products

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

dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish – fish and fish products

fruits, vegetables – fruits and vegetables

herbs, spices – herbs and spices

honey – honey and royal jelly

ices, desserts – ices and desserts

milk – milk and milk products

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

customs seals – placed under customs seals

destination changed – destination of the product changed

ph. treatment - blanching – physical treatment - blanching

ph. treatment - sorting – physical treatment - sorting

ph/ch. treatment – physical/chemical treatment

call – recall from consumers

recall/withdrawal – product recall or withdrawal

re-dispatch/destruction – re-dispatch or destruction

withdrawal – withdrawal from the market

FIGURE S17 Similarities between product category and action taken within notifications on mycotoxins.
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)
mussels, nuts, seeds and products thereof
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 S18 Similarities between product category and year within notifications on pathogenic micro-organisms.
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)
must, seeds, 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 S19** Similarities between product category and notifying country within notifications on pathogenic micro-organisms.
bivalve mollusces – 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)
muts, seeds/muts, 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 S20 Similarities between product category and origin country within notifications on pathogenic micro-organisms.
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

border control - customs – border control - consignment under customs
border control - detained – border control - consignment detained
border control - released – border control - consignment released
official c. - non-m. country – official control in non-member country
official c. - notification – official control following RASFF notification
official control – official control on the market

FIGURE S21 Similarities between product category and notification basis within notifications on pathogenic micro-organisms.
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)
muts, seeds/muts, 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 S22 Similarities between product category and notification type within notifications on pathogenic micro-organisms.
FIGURE S23 Similarities between product category and distribution status within notifications on pathogenic micro-organisms.
FIGURE S24 Similarities between product category and risk decision within notifications on pathogenic micro-organisms.
| Number of notifications | 260 | 210 | 160 | 110 | 60 | 10 |
|-------------------------|-----|-----|-----|-----|----|----|
| poultry meat            |     |     |     |     |    |    |
| meat                    |     |     |     |     |    |    |
| fruits, vegetables      |     |     |     |     |    |    |
| herbs, spices           |     |     |     |     |    |    |
| fish                    |     |     |     |     |    |    |
| bivalve molluscs        |     |     |     |     |    |    |
| and products thereof    |     |     |     |     |    |    |
| cephalopods             |     |     |     |     |    |    |
| and products thereof    |     |     |     |     |    |    |
| 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|     |     |     |     |    |    |
| herbs, spices           |     |     |     |     |    |    |
| – herbs and spices      |     |     |     |     |    |    |
| meat                    |     |     |     |     |    |    |
| – meat and meat products|     |     |     |     |    |    |
| (other than poultry)    |     |     |     |     |    |    |
| milk                    |     |     |     |     |    |    |
| – milk and milk products|     |     |     |     |    |    |
| molluscs                |     |     |     |     |    |    |
| – molluscs and products |     |     |     |     |    |    |
| thereof                  |     |     |     |     |    |    |
| (obsolete)              |     |     |     |     |    |    |

**FIGURE S25** Similarities between product category and action taken within notifications on pathogenic micro-organisms.
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
eggs – eggs and egg products
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
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

FIGURE S26 Similarities between product category and year within notifications on pesticide residues.
FIGURE S27 Similarities between product category and notifying country within notifications on pesticide residues.
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
eggs – eggs and egg products
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
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

FIGURE S28 Similarities between product category and origin country within notifications on pesticide residues.
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
eggs – eggs and egg products
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
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

border control - customs – border control - consignment under customs
border control - detained – border control - consignment detained
official c. - notification – official control following RASFF notification
official control – official control on the market

**FIGURE S29** Similarities between product category and notification basis within notifications on pesticide residues.
FIGURE S10 Similarities between product category and notification type within notifications on pesticide residues.
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
eggs – eggs and egg products
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
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
distr. to m. countries – distribution to other member countries
distr. to non-m. countries – distribution to non-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 S31 Similarities between product category and distribution status within notifications on pesticide residues.
cereals – cereals and bakery products
fruits, vegetables – fruits and vegetables
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
eggs – eggs and egg products
meat – meat and meat products (other than poultry)
honey – honey and royal jelly
herbs, spices – herbs and spices
milk – milk and milk products
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

FIGURE S32 Similarities between product category and risk decision within notifications on pesticide residues.
cereals – cereals and bakery products  
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea  
dietetic foods – dietetic foods, food supplements, fortified foods  
eggs – eggs and egg products  
fats, oils – fats and oils  
fish – fish and fish products  
food additives – food additives and flavourings  
fruits, vegetables – fruits and vegetables  
herbs, spices – herbs and spices  
honey – honey and royal jelly  
meat – meat and meat products (other than poultry)  
milk – milk and milk products  
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  

customs seals – placed under customs seals  
product consumed – product already consumed  
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 S33** Similarities between product category and action taken within notifications on pesticide residues.
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
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof - (obsolete)
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed
soups, broths – soups, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S34 Similarities between product category and year within notifications on heavy metals.
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
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof - (obsolete)
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed
soaps, broths – soaps, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

**FIGURE S35** Similarities between product category and notifying country within notifications on heavy metals.
FIGURE S36 Similarities between product category and origin country within notifications on heavy metals.
FIGURE S37 Similarities between product category and notification basis within notifications on heavy metals.
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
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof - (obsolete)
munch, seeds – nuts, nut products and seeds
other food products – other food products / mixed
soups, broths – soups, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

**FIGURE S38** Similarities between product category and notification type within notifications on heavy metals.
bivalve molluscs – bivalve molluscs 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
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof (obsolete)
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed soups, broths – soups, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)
distr. to m. 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 consumed – product already consumed
product past best date – product past best before date

FIGURE S39 Similarities between product category and distribution status within notifications on heavy metals.
FIGURE S40 Similarities between product category and risk decision within notifications on heavy metals.
FIGURE S41 Similarities between product category and action taken within notifications on heavy metals.
cereals – cereals and bakery products
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
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
water (other) – water for human consumption (other)

**FIGURE S42** Similarities between product category and year within notifications on composition.
Similarities between product category and notifying country within notifications on composition.

**FIGURE S43**
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
mats, 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
water (other) – water for human consumption (other)

FIGURE S44 Similarities between product category and origin country within notifications on composition.
**FIGURE S45** Similarities between product category and notification basis within notifications on composition.

cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
fats, oils – fats and oils
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
mats, 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
water (other) – water for human consumption (other)

border control - customs – border control - consignment under customs
border control - detained – border control - consignment detained
border control - released – border control - consignment released
official c. - non-m. country – official control in non-member country
official c. - notification – official control following RASFF notification
official control – official control on the market
Number of notifications
- 360
- 310
- 260
- 210
- 160
- 110
- 60
- 10

Cereals – cereals and bakery products
Cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
Dietetic foods – dietetic foods, food supplements, fortified foods
Fats, oils – fats and oils
Fish – fish and fish products
Food additives – food additives and flavourings
Fruits, vegetables – fruits and vegetables
Herbs, spices – herbs and spices
Meat – meat and meat products (other than poultry)
Mats, 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
Water (other) – water for human consumption (other)

**FIGURE S46** Similarities between product category and notification type within notifications on composition.
FIGURE S47 Similarities between product category and distribution status within notifications on composition.
cereals – cereals and bakery products

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

dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish – fish and fish products

food additives – food additives and flavourings

fruits, vegetables – fruits and vegetables

herbs, spices – herbs and spices

meat – meat and meat products (other than poultry)

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

water (other) – water for human consumption (other)

FIGURE S48 Similarities between product category and risk decision within notifications on composition.
Number of notifications

| Action Taken | Count |
|--------------|-------|
| recall/withdrawal (not specified) | 244 |
| re-dispatch | 204 |
| destruction | 164 |
| official detention | 124 |
| seizure | 84 |
| no action taken | 44 |
| recall | 4 |
| no stock left | |
| informing authorities | |
| informing recipients | |
| re-dispatch/destruction | |
| import not authorised | |
| reinforced checking | |
| return to consignor | |
| withdrawal f. recipient | |
| prohibition to trade | |
| public warning | |
| customs seals | |

**FIGURE S49** Similarities between product category and action taken within notifications on composition.
FIGURE S50 Similarities between product category and year within notifications on food additives and flavourings.
FIGURE S51 Similarities between product category and notifying country within notifications on food additives and flavourings.
FIGURE S52 Similarities between product category and origin country within notifications on food additives and flavourings.
FIGURE S53 Similarities between product category and notification basis within notifications on food additives and flavourings.
FIGURE S54 Similarities between product category and notification type within notifications on food additives and flavourings.
FIGURE S55 Similarities between product category and distribution status within notifications on food additives and flavourings.
FIGURE S56 Similarities between product category and risk decision within notifications on food additives and flavourings.
FIGURE S57 Similarities between product category and action taken within notifications on food additives and flavourings.
bivalve molluscs – bivalve molluscs and products thereof
cephalopods – cephalopods and products thereof
cereals – cereals and bakery products
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)
farmed fish – farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete)
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
other food product – other food product / mixed
poultry meat – poultry meat and poultry meat products
prepared dishes – prepared dishes and snacks
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)
wild crustaceans – wild caught crustaceans and products thereof - (obsolete)

FIGURE S58 Similarities between product category and year within notifications on residues of veterinary medicinal products.
bivalve molluscs – bivalve molluscs and products thereof
cephalopods – cephalopods and products thereof
cereals – cereals and bakery products
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)
farmed fish – farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete)
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
honey – honey and royal jelly
meat – meat and meat products (other than poultry)
milk – milk and milk products
other food product – other food product / mixed
poultry meat – poultry meat and poultry meat products
prepared dishes – prepared dishes and snacks
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)
wild crustaceans – wild caught crustaceans and products thereof - (obsolete)

FIGURE S59 Similarities between product category and notifying country within notifications on residues of veterinary medicinal products.
FIGURE S60 Similarities between product category and origin country within notifications on residues of veterinary medicinal products.
FIGURE S61 Similarities between product category and notification basis within notifications on residues of veterinary medicinal products.
**FIGURE S62** Similarities between product category and notification type within notifications on residues of veterinary medicinal products.
FIGURE S63 Similarities between product category and distribution status within notifications on residues of veterinary medicinal products.
FIGURE S64 Similarities between product category and risk decision within notifications on residues of veterinary medicinal products.
FIGURE S65 Similarities between product category and action taken within notifications on residues of veterinary medicinal products.

- bivalve molluscs – bivalve molluscs and products thereof
- cephalopods – cephalopods and products thereof
- cereals – cereals and bakery products
- 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)
- farmed fish – farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete)
- fish – fish and fish products
- food additives – food additives and flavourings
- fruits, vegetables – fruits and vegetables
- honey – honey and royal jelly
- meat – meat and meat products (other than poultry)
- milk – milk and milk products
- other food product – other food product / mixed
- poultry meat – poultry meat and poultry meat products
- prepared dishes – prepared dishes and snacks
- wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)
- wild crustaceans – wild caught crustaceans and products thereof - (obsolete)
- destination identified – destination of the product identified
- product consumed – product already consumed
- recall/withdrawal – product recall or withdrawal
- re-dispatch/destruction – re-dispatch or destruction
- seized, destroyed – product seized and will be destroyed
- withdrawal – withdrawal from the market
- withdrawal f. recipient – withdrawal from recipient(s)
Number of notifications

- 104
- 84
- 64
- 44
- 24
- 4

**FIGURE S66** Similarities between product category and year within notifications on foreign bodies.
| Category                      | Countries                                                                 |
|-------------------------------|---------------------------------------------------------------------------|
| Cephalopods – cephalopods and products thereof | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Cereals – cereals and bakery products | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Dietetic foods – dietetic foods, food supplements, fortified foods | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Fish – fish and fish products | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Fruits, vegetables – fruits and vegetables | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Herbs, spices – herbs and spices | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Honey – honey and royal jelly | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Ices, desserts – ices and desserts | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Meat – meat and meat products (other than poultry) | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Milk – milk and milk products | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Nuts, seeds – nuts, nut products and seeds | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Other food product – other food product / mixed | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Poultry meat – poultry meat and poultry meat products | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Prepared dishes – prepared dishes and snacks | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |
| Soups, broths – soups, broths, sauces and condiments | Latvia, Sweden, Slovakia, Finland, Malta, Slovenia, Spain, Czech Republic, Belgium, France, Denmark, United Kingdom, Italy, Austria, Ireland, Greece, Poland, Netherlands, Portugal, Austria, Belgium, France, Germany, Austria, Ireland, Greece, Poland, Netherlands, Portugal |

**FIGURE S67** Similarities between product category and notifying country within notifications on foreign bodies.
FIGURE S68 Similarities between product category and origin country within notifications on foreign bodies.
Number of notifications

| Number | Count |
|--------|-------|
| 244    |       |
| 204    |       |
| 164    |       |
| 124    |       |
| 84     |       |
| 44     |       |
| 4      |       |

**FIGURE S69** Similarities between product category and notification basis within notifications on foreign bodies.
FIGURE S70 Similarities between product category and notification type within notifications on foreign bodies.
FIGURE S71 Similarities between product category and distribution status within notifications on foreign bodies.
FIGURE S72 Similarities between product category and risk decision within notifications on foreign bodies.
| Number of notifications | 164 | 124 | 84 | 44 | 4 |

**FIGURE S73** Similarities between product category and action taken within notifications on foreign bodies.