

# Supplementary Materials: Levels of *Alternaria* Toxins in Selected Food Commodities Including Green Coffee

Claudia Mujahid, Marie-Claude Savoy, Quentin Baslé, Pei Mun Woo, Edith Chin Yean Ee, Pascal Mottier and Thomas Bessaïre

**Table S1.** Individual levels of five *Alternaria* toxins in 216 samples (values in µg/kg).

| Category           | Sample Name        | ALT   | AOH   | AME   | TEN   | TeA   |
|--------------------|--------------------|-------|-------|-------|-------|-------|
| Cereal-based foods | Biscuits_1         | < 0.5 | < 0.5 | < 0.5 | 1.5   | 5.2   |
| Cereal-based foods | Biscuits_2         | < 0.5 | < 0.5 | < 0.5 | 1.2   | < 2.5 |
| Cereal-based foods | Biscuits_3         | < 0.5 | < 0.5 | < 0.5 | 0.9   | 6.6   |
| Cereal-based foods | Biscuits_4         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereal-based foods | Biscuits_5         | < 0.5 | < 0.5 | < 0.5 | 6.9   | 29.6  |
| Cereal-based foods | Biscuits_6         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereal-based foods | Biscuits_7         | < 0.5 | 2.0   | 0.9   | < 0.5 | < 2.5 |
| Cereal-based foods | Breakfast cereal_1 | < 0.5 | 0.8   | < 0.5 | 0.8   | 20.7  |
| Cereal-based foods | Breakfast cereal_2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 35.0  |
| Cereal-based foods | Breakfast cereal_3 | < 0.5 | < 0.5 | < 0.5 | 1.5   | 6.9   |
| Cereal-based foods | Breakfast cereal_4 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 13.1  |
| Cereal-based foods | Breakfast cereal_5 | < 0.5 | < 0.5 | < 0.5 | 0.9   | 9.4   |
| Cereal-based foods | Breakfast cereal_6 | < 0.5 | < 0.5 | < 0.5 | 0.8   | 30.3  |
| Cereal-based foods | Breakfast cereal_7 | < 0.5 | 7.4   | 2.7   | 6.3   | 628   |
| Cereal-based foods | Breakfast cereal_8 | < 0.5 | 3.2   | 1.1   | 2.7   | 324   |
| Cereals            | Barley_1           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals            | Barley_2           | < 0.5 | < 0.5 | < 0.5 | 4.6   | 52.6  |
| Cereals            | Barley_3           | < 0.5 | 2.2   | < 0.5 | 6.2   | 67.2  |
| Cereals            | Corn_1             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 4.0   |
| Cereals            | Corn_2             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 3.5   |
| Cereals            | Millet_1           | < 0.5 | 1.0   | < 0.5 | < 0.5 | 186   |
| Cereals            | Millet_2           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals            | Oat                | < 0.5 | < 0.5 | < 0.5 | 0.5   | < 2.5 |
| Cereals            | Rapeseed_1         | < 0.5 | 11.7  | 3.4   | 31.2  | 766   |
| Cereals            | Rapeseed_2         | < 0.5 | 11.8  | 3.2   | 29.0  | 636   |
| Cereals            | Rice_1             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 27.8  |
| Cereals            | Rice_2             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 17.4  |
| Cereals            | Rice_3             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 11.6  |
| Cereals            | Rice_4             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 38.2  |
| Cereals            | Rice_5             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 8.0   |
| Cereals            | Rice_6             | < 0.5 | 1.1   | 1.5   | < 0.5 | 758   |
| Cereals            | Rice_7             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 17.0  |
| Cereals            | Rice_8             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 78.2  |
| Cereals            | Rice_9             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 10.1  |
| Cereals            | Rice_10            | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals            | Rice_11            | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 72.6  |
| Cereals            | Rice_12            | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals            | Rye                | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals            | Sorghum            | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 28.9  |

| Category | Sample Name              | ALT   | AOH   | AME   | TEN   | TeA   |
|----------|--------------------------|-------|-------|-------|-------|-------|
| Cereals  | Soya_1                   | < 0.5 | 1.8   | 1.2   | 20.1  | 207   |
| Cereals  | Soya_2                   | < 0.5 | 3.0   | 1.8   | 30.8  | 365   |
| Cereals  | Spelt                    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 8.0   |
| Cereals  | Triticale                | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals  | Wheat_1                  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Cereals  | Wheat_2                  | < 0.5 | 9.7   | 1.8   | 8.0   | 36.4  |
| Cereals  | Wheat_3                  | < 0.5 | < 0.5 | < 0.5 | 3.9   | 69.4  |
| Cocoa    | Cocoa Nibs_1             | < 2   | < 2   | < 2   | < 2   | < 10  |
| Cocoa    | Cocoa Nibs_2             | < 2   | < 2   | < 2   | < 2   | < 10  |
| Cocoa    | Cocoa Powder_1           | < 2   | < 2   | < 2   | < 2   | < 10  |
| Cocoa    | Cocoa Powder_2           | < 2   | < 2   | < 2   | < 2   | < 10  |
| Cocoa    | Cocoa Powder_3           | < 2   | < 2   | < 2   | < 2   | < 10  |
| Fruits   | Apricots (dried)_1       | < 2   | < 2   | < 2   | < 2   | 61.0  |
| Fruits   | Apricots (dried)_2       | < 2   | < 2   | < 2   | < 2   | 59.8  |
| Fruits   | Blueberries (dried)_1    | < 2   | 5.4   | < 2   | < 2   | 129   |
| Fruits   | Blueberries (dried)_2    | < 2   | 19.6  | 5.7   | < 2   | 158   |
| Fruits   | Pomegrenate Juice (conc) | 17.2  | 80.2  | 47.8  | 13.4  | 685   |
| Fruits   | Raisins (dried)_1        | < 2   | < 2   | < 2   | < 2   | 47.4  |
| Fruits   | Raisins (dried)_2        | < 2   | < 2   | < 2   | < 2   | 33.2  |
| Fruits   | Raisins (dried)_3        | < 2   | < 2   | < 2   | < 2   | < 10  |
| Fruits   | Raisins (dried)_4        | < 2   | < 2   | < 2   | < 2   | < 10  |
| Herbs    | Marjoram_1               | < 10  | < 10  | < 10  | 25.1  | 265   |
| Herbs    | Marjoram_2               | < 10  | 13.0  | < 10  | 32.6  | 353   |
| Herbs    | Marjoram_3               | < 10  | < 10  | < 10  | < 10  | < 50  |
| Herbs    | Marjoram_4               | < 10  | < 10  | < 10  | < 10  | 69.9  |
| Herbs    | Marjoram_5               | < 10  | 23.8  | 13.0  | 113   | 456   |
| Herbs    | Marjoram_6               | < 10  | < 10  | < 10  | < 10  | 81.2  |
| Herbs    | Oregano_1                | < 10  | 96.3  | 25.6  | 38.3  | 343   |
| Herbs    | Oregano_2                | < 10  | 70.2  | 17.4  | 64.4  | 115   |
| Herbs    | Thyme_1                  | < 10  | 111   | 19.5  | < 10  | 137   |
| Herbs    | Thyme_2                  | < 10  | 46.3  | < 10  | < 10  | 748   |
| Herbs    | Thyme_3                  | < 10  | < 10  | < 10  | < 10  | 287   |
| Nuts     | Almonds_1                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Almonds_2                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Almonds_3                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Almonds_4                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Almonds_5                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Hazelnuts_1              | < 2   | < 2   | < 2   | < 2   | 40.0  |
| Nuts     | Hazelnuts_2              | < 2   | 3.8   | < 2   | < 2   | < 10  |
| Nuts     | Hazelnuts_3              | < 2   | 3.1   | 3.5   | < 2   | 62.0  |
| Nuts     | Peanuts_1                | < 2   | 2.9   | 2.8   | < 2   | 36.0  |
| Nuts     | Peanuts_2                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Peanuts_3                | < 2   | < 2   | < 2   | < 2   | < 10  |
| Nuts     | Pistachio_1              | < 2   | < 2   | < 2   | < 2   | 44.0  |
| Nuts     | Pistachio_2              | < 2   | 6.4   | < 2   | < 2   | < 10  |
| Spices   | Caraway_1                | < 10  | 16.7  | < 10  | 42.0  | 95    |
| Spices   | Caraway_2                | < 10  | 25.2  | < 10  | 24.8  | 98    |

| Category         | Sample Name      | ALT  | AOH  | AME  | TEN  | TeA   |
|------------------|------------------|------|------|------|------|-------|
| Spices           | Caraway_3        | < 10 | < 10 | < 10 | < 10 | 83    |
| Spices           | Cayenne pepper_1 | < 10 | < 10 | < 10 | < 10 | 5615  |
| Spices           | Chili_1          | < 10 | 153  | 66.0 | < 10 | 9991  |
| Spices           | Chili_2          | < 10 | 59.3 | 17.0 | 21.8 | 20478 |
| Spices           | Chili_3          | < 10 | 20.8 | 15.0 | 32.9 | 10676 |
| Spices           | Chili_4          | < 10 | 26.3 | 10.1 | 26.8 | 18555 |
| Spices           | Chili_5          | < 10 | < 10 | < 10 | < 10 | 4510  |
| Spices           | Coriander_1      | < 10 | < 10 | < 10 | < 10 | 249   |
| Spices           | Coriander_2      | < 10 | < 10 | < 10 | < 10 | 228   |
| Spices           | Garlic_1         | < 10 | < 10 | < 10 | < 10 | < 50  |
| Spices           | Garlic_2         | < 10 | < 10 | < 10 | < 10 | < 50  |
| Spices           | Paprika_1        | < 10 | < 10 | < 10 | 19.5 | 10186 |
| Spices           | Paprika_2        | < 10 | 66.4 | 40.8 | 73.4 | 14509 |
| Spices           | Paprika_3        | < 10 | 74.3 | 48.7 | 70.8 | 15350 |
| Spices           | Paprika_4        | < 10 | 23.5 | 11.5 | 30.9 | 13593 |
| Spices           | Paprika_5        | < 10 | 21.1 | < 10 | 32.8 | 18856 |
| Spices           | Paprika_6        | < 10 | 121  | 73.6 | 36.8 | 10163 |
| Spices           | Paprika_7        | < 10 | 62.5 | 16.1 | 27.6 | 18242 |
| Spices           | Paprika_8        | < 10 | 23.9 | 16.7 | 37.5 | 7356  |
| Oil              | Sunflower Oil_1  | < 2  | < 2  | < 2  | 3.9  | < 10  |
| Oil              | Sunflower Oil_2  | < 2  | < 2  | 2.4  | < 2  | < 10  |
| Oil              | Sunflower Oil_3  | < 2  | < 2  | < 2  | < 2  | < 10  |
| Oil              | Sunflower Oil_4  | < 2  | < 2  | < 2  | < 2  | < 10  |
| Tea              | Black Tea_1      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Black Tea_2      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Black Tea_3      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Black Tea_4      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Black Tea_5      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Blue Tea         | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_1      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_2      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_3      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_4      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_5      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_6      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_7      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | Green Tea_8      | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tea              | White Tea        | < 10 | < 10 | < 10 | < 10 | < 50  |
| Tomato products  | Ketchup          | < 2  | < 2  | < 2  | < 2  | 30.5  |
| Tomato products  | Concentrate_1    | < 2  | 2.9  | < 2  | < 2  | 162   |
| Tomato products  | Concentrate_2    | < 2  | 65.3 | 7.9  | < 2  | 1096  |
| Tomato products  | Dried_1          | < 2  | < 2  | < 2  | < 2  | 270   |
| Tomato products  | Dried_2          | < 2  | < 2  | < 2  | < 2  | 153   |
| Tomato products  | Dried_3          | < 2  | 13.7 | < 2  | < 2  | 641   |
| Tomato products  | Puree_1          | < 2  | < 2  | < 2  | < 2  | 30.0  |
| Tomato products  | Puree_2          | < 2  | 3.2  | < 2  | < 2  | 60.3  |
| Tomato products  | Puree_3          | < 2  | 7.6  | < 2  | < 2  | 46.7  |
| Other vegetables | Carrot_1         | < 2  | 5.6  | < 2  | 2.4  | 12.5  |

| Category         | Sample Name    | ALT   | AOH   | AME   | TEN   | TeA   |
|------------------|----------------|-------|-------|-------|-------|-------|
| Other vegetables | Carrot_2       | < 2   | 8.1   | < 2   | 3.1   | 23.5  |
| Other vegetables | Pea            | < 2   | < 2   | < 2   | < 2   | < 10  |
| Other vegetables | Pea Proteins_1 | < 2   | < 2   | < 2   | < 2   | < 10  |
| Other vegetables | Pea Proteins_2 | < 2   | < 2   | < 2   | < 2   | < 10  |
| Green coffee     | Brazil_1       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Brazil_2       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 9.96  |
| Green coffee     | Brazil_3       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Brazil_4       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Brazil_5       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Cameroon_1     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Cameroon_2     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | China_1        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | China_2        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Colombia_1     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Colombia_2     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Colombia_3     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Colombia_4     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Costa Rica_1   | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Costa Rica_2   | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ethiopia_1     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ethiopia_2     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ethiopia_3     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ethiopia_4     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Guatemala_1    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Guatemala_2    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Honduras_1     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Honduras_2     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Honduras_3     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Honduras_4     | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | India_1        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | India_2        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Indonesia_1    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Indonesia_2    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Indonesia_3    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Indonesia_4    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_1  | < 0.5 | 1.24  | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_2  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_3  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_4  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_5  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Ivory Coast_6  | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Kenya_1        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Kenya_2        | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Mexico_1       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Mexico_2       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Mexico_3       | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Nicaragua_1    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee     | Nicaragua_2    | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |

| Category     | Sample Name        | ALT   | AOH   | AME   | TEN   | TeA   |
|--------------|--------------------|-------|-------|-------|-------|-------|
| Green coffee | Papua New Guinea_1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Papua New Guinea_2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Papua New Guinea_3 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Papua New Guinea_4 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Peru_1             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Peru_2             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Peru_3             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 13.2  |
| Green coffee | Peru_4             | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Philippines_1      | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Philippines_2      | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Rwanda_1           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Rwanda_2           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Thailand_1         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Thailand_2         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Uganda_1           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Uganda_2           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Uganda_3           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Uganda_4           | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_1          | < 0.5 | 2.75  | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_2          | < 0.5 | 0.72  | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_3          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_4          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_5          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_6          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_7          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_8          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_9          | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_10         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_11         | < 0.5 | 1.69  | 1.29  | < 0.5 | < 2.5 |
| Green coffee | Vietnam_12         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_13         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_14         | < 0.5 | < 0.5 | < 0.5 | 0.52  | < 2.5 |
| Green coffee | Vietnam_15         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |
| Green coffee | Vietnam_16         | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 |