**Supplementary Table S2. Statistics of the confusion matrices for the final (best performing) model (LB).**

| | Dairy | Fruits | Leafy greens | Meat | Poultry | Seafood | Vegetables |
|---|---|---|---|---|---|---|---|
| | | | **LB** | | | | |
| | **Dairy** | **Fruits** | **Leafy greens** | **Meat** | **Poultry** | **Seafood** | **Vegetables** |
| **Sensitivity** | 0.918 | 0.966 | 0.800 | 0.667 | 0.636 | 0.933 | 0.960 |
| **Specificity** | 0.970 | 0.953 | 1.000 | 0.996 | 0.996 | 0.976 | 0.974 |
| **Pos. Pred. Value** | 0.865 | 0.904 | 1.000 | 0.933 | 0.933 | 0.824 | 0.889 |
| **Neg. Pred. Value** | 0.983 | 0.984 | 0.985 | 0.974 | 0.970 | 0.992 | 0.991 |
| **Accuracy** | 0.944 | 0.960 | 0.900 | 0.831 | 0.816 | 0.955 | 0.967 |

**Pos. pred.: positive predictive; Neg. pred.: negative predictive.**