

Supplementary Table S1. Statistics of the confusion matrices for LB, RF, GBM, and SVMR (train and test models).

LB							
	Dairy	Fruits	Leafy greens	Meat	Poultry	Seafood	Vegetables
Sensitivity	0.780	0.898	0.548	0.484	0.447	0.750	0.702
Specificity	0.938	0.914	0.961	0.952	0.957	0.969	0.970
Pos. Pred. Value	0.708	0.793	0.567	0.484	0.548	0.750	0.839
Neg. Pred. Value	0.957	0.961	0.958	0.952	0.937	0.969	0.935
Accuracy	0.859	0.906	0.755	0.718	0.702	0.860	0.836

RF							
	Dairy	Fruits	Leafy greens	Meat	Poultry	Seafood	Vegetables
Sensitivity	0.830	0.835	0.565	0.500	0.458	0.696	0.733
Specificity	0.937	0.879	0.964	0.972	0.952	0.980	0.974
Pos. Pred. Value	0.759	0.755	0.591	0.611	0.478	0.762	0.846
Neg. Pred. Value	0.959	0.923	0.960	0.957	0.948	0.972	0.949
Accuracy	0.884	0.857	0.765	0.736	0.705	0.838	0.854

GBM							
	Dairy	Fruits	Leafy greens	Meat	Poultry	Seafood	Vegetables
Sensitivity	0.797	0.878	0.452	0.581	0.421	0.625	0.716
Specificity	0.954	0.899	0.976	0.952	0.936	0.960	0.963
Pos. Pred. Value	0.771	0.761	0.636	0.529	0.432	0.658	0.814
Neg. Pred. Value	0.960	0.952	0.950	0.961	0.933	0.954	0.938
Accuracy	0.875	0.888	0.714	0.766	0.678	0.792	0.840

SVMR							
	Dairy	Fruits	Leafy greens	Meat	Poultry	Seafood	Vegetables
Sensitivity	0.729	0.878	0.161	0.323	0.263	0.600	0.716
Specificity	0.866	0.823	1.000	0.994	0.979	0.944	0.923
Pos. Pred. Value	0.512	0.647	1.000	0.833	0.588	0.571	0.676
Neg. Pred. Value	0.943	0.948	0.928	0.940	0.919	0.950	0.935
Accuracy	0.797	0.850	0.581	0.658	0.621	0.772	0.820

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