

SUPPLEMENTARY MATERIALS

Supp. 1 Confusion Matrix for spectra acquired in AIR environmental matrix. The specific training set (SPEC) was used.

| | BC | BS | SE | EC | SM | Sens. | Spec. |
|----|-----------|-----------|-----------|-----------|-----------|-------|-------|
| BC | 65 | | | | | 100 | 100 |
| BS | | 62 | | | | 100 | 100 |
| SE | | | 62 | | | 100 | 100 |
| EC | | | | 66 | 20 | 77.3 | 98.1 |
| SM | | | | 4 | 56 | 92.5 | 94.3 |

Sens. = sensitivity (true-positive), Spec. = specificity (true-negative). Note classifier was trained on balance dataset.