

## SUPPLEMENTARY MATERIALS

Supp. 1 Data for Figure 4: classification results for bacteria cultured in LB and TSB at 30°C and 37°C. Standard (STD.), Specific (SPEC.), Extended (EXT.) and Exhaustive (EXH.) training sets are evaluated.

Test	LB, 37°C								LB, 30°C							
Ref.	STD.		SPEC.		EXT.		EXH.		STD.		SPEC.		EXT.		EXH.	
Species	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.
BS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100	100	100	100	100	100	100	100
EC	96	93.5	100	100	100	100	99.8	99.7	61.6	99	94.3	97.6	100	100	99.8	100
SM	93.5	96.4	100	100	100	100	99.7	100	97.9	80.8	95.2	97.1	100	100	100	99.9
Aver.	94.8	95	100	100	100	100	99.8	99.9	86.5	93.3	96.5	98.2	100	100	99.9	99.9
Test	TSB, 37°C								TSB, 30°C							
Ref.	STD.		SPEC.		EXT.		EXH.		STD.		SPEC.		EXT.		EXH.	
Species	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.	Sens.	Spec.
BS	98.3	100	100	100	99.5	100	99.8	100	100	100	100	100	100	100	100	100
EC	17.2	98.6	98.2	91.7	90.4	98.6	79.1	96.9	10.8	99.8	99.8	91.7	97.6	99.6	93.8	98.8
SM	98.8	58.5	83.3	99.1	97.2	94.9	93.9	89.5	99.7	55.4	83.3	99.9	99.2	98.8	97.7	96.9
Aver.	71.4	85.7	93.8	96.9	95.7	97.8	90.9	95.5	70.2	85.1	94.4	97.2	99.9	99.5	97.2	98.6

Sens. = sensitivity (true-positive), Spec. = specificity (true-negative).