

Supporting Table S7

Linear discriminant analysis output for Fig. 3. According to the MANOVA test, Microalgae, Phaeophyceae, Rhodophyta and Seagrass are significantly different: Pillai Trace=1.44, $F_{12,147}=11.24$ P<0.001.

Coefficients of linear discriminants

	LD1	LD2	LD3
Ile	0.12	-0.08	0.46
Leu	-0.49	-0.75	-0.56
Lys	0.39	0.20	-0.64
Phe	-0.78	0.43	0.21
Val	0.77	0.38	0.40

Proportion of trace

LD1	LD2	LD3
0.51	0.35	0.14

Posterior probabilities of the classifier samples.

ID	Actual	Predicted (% probability)			
		Microalgae	Phaeophyceae	Rhodophyta	Seagrass
C1	Microalgae	1.3	9.6	55.8	33.4
C2	Microalgae	97.3	0.1	2.7	0.0
C3	Microalgae	73.9	2.0	3.9	20.3
C4	Microalgae	34.4	6.5	59.0	0.0
D1	Microalgae	85.2	14.8	0.0	0.0
D2	Microalgae	96.6	0.3	3.1	0.0
D3	Microalgae	84.4	0.0	9.3	6.3
D4	Microalgae	99.6	0.1	0.3	0.0
D5	Microalgae	71.3	28.5	0.0	0.2
H1	Microalgae	91.6	0.2	2.9	5.2
H2	Microalgae	87.3	4.0	8.6	0.0
H3	Microalgae	78.8	21.1	0.0	0.1
H4	Microalgae	89.5	0.6	9.9	0.0
K1	Microalgae	92.4	7.0	0.0	0.6
K2	Microalgae	94.5	4.8	0.7	0.0
K3	Microalgae	2.0	97.9	0.1	0.0
K4	Microalgae	40.5	11.2	46.0	2.3
K5	Microalgae	98.3	0.7	1.0	0.0
K6	Microalgae	97.9	1.1	1.0	0.0
N1	Microalgae	99.5	0.2	0.2	0.0
N2	Microalgae	95.8	0.1	4.2	0.0
N3	Microalgae	98.9	0.1	1.0	0.0
X1	Microalgae	90.5	9.5	0.0	0.0
X2	Microalgae	98.0	2.0	0.0	0.0
X3	Microalgae	51.1	0.0	48.9	0.0
X4	Microalgae	2.3	97.7	0.0	0.0
Y1	Microalgae	98.2	0.3	1.5	0.0
P1	Phaeophyceae	31.9	67.8	0.1	0.2
P10	Phaeophyceae	59.2	35.4	5.4	0.0
P11	Phaeophyceae	29.2	70.8	0.0	0.0
P12	Phaeophyceae	3.8	95.8	0.4	0.0
P2	Phaeophyceae	6.9	93.0	0.0	0.0
P3	Phaeophyceae	39.2	60.6	0.2	0.0
P4	Phaeophyceae	22.3	77.5	0.2	0.0
P6	Phaeophyceae	1.7	98.3	0.0	0.0
P7	Phaeophyceae	4.7	95.3	0.0	0.0

(Table S7 continued)

ID	Actual	Predicted (% probability)			
		Microalgae	Phaeophyceae	Rhodophyta	Seagrass
P8	Phaeophyceae	0.8	99.2	0.0	0.0
P9	Phaeophyceae	75.5	24.5	0.0	0.0
R1	Rhodophyta	6.6	1.1	91.5	0.8
R2	Rhodophyta	0.0	0.0	99.9	0.0
R3	Rhodophyta	3.5	0.0	96.4	0.0
R4	Rhodophyta	98.9	0.2	1.0	0.0
R5	Rhodophyta	4.3	0.0	95.7	0.0
R6	Rhodophyta	7.4	0.0	92.5	0.0
R7	Rhodophyta	12.3	1.6	86.1	0.0
R8	Rhodophyta	7.6	0.0	79.7	12.7
R9	Rhodophyta	65.2	20.1	14.6	0.0
S1	Seagrass	0.0	0.0	0.0	100.0
S2	Seagrass	0.1	0.0	0.0	99.9
S3	Seagrass	0.0	0.0	0.0	100.0
S4	Seagrass	8.0	0.2	0.5	91.3
S5	Seagrass	0.6	0.0	0.0	99.4
S6	Seagrass	0.0	0.0	0.2	99.8
S7	Seagrass	0.0	0.0	0.0	99.9