

# Supplementary Materials

## Monitoring Aquaculture Water Quality: Design of An Early Warning Sensor with *Aliivibrio fischeri* and Predictive Models

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## Table of Contents

Table S1-Uniform table used to design each ray.....	2
Table S2-Concentrations of Copper used in the single tests, in mg/L.....	2
Table S3-Concentrations of Zinc used in the single tests per dilution, in mg/L.....	2
Table S4- Concentrations of Aluminum used in the single tests per dilution, in mg/L.....	2

Table S1-Uniform table used to design each ray

Ray	Nitrite	Ammonia	Copper	Aluminum	Zinc
1	EC10	EC20	EC30	EC40	EC50
2	EC20	EC40	EC60	EC10	EC30
3	EC30	EC60	EC20	EC50	EC10
4	EC40	EC10	EC50	EC20	EC60
5	EC50	EC30	EC10	EC60	EC40
6	EC60	EC50	EC40	EC30	EC20
7	EC70	EC70	EC70	EC70	EC70

Table S2-Concentrations of Copper used in the single tests, in mg/L.

Dilution	Concentration (mg/L)
1	3
2	1
3	0,3
4	0,15
5	0,030
6	0,009
7	0,002

Table S3-Concentrations of Zinc used in the single tests per dilution, in mg/L.

Dilution	Aluminium concentration
1	0,3 mg/L
2	0,15 mg/L
3	0,075 mg/L
4	0,015 mg/L
5	0.0125 mg/L
6	0,01 mg/L
7	0,0015 mg/L

Table S4- Concentrations of Aluminum used in the single tests per dilution, in mg/L.

Dilution	Concentration
1	0,53 mg/L
2	0,053 mg/L
3	0,051
4	0,052mg/L
5	0,046
6	0,038 mg/L
7	0,0053 mg/L