

**Supplementary Table S1** Phenotypic characterization of the two strains isolated from river trout

Phenotypic characteristic	Test conditions		TCPS12	TCPS13
Colony morphology			Yellow	White
Gram			Gram negative rods	Gram negative rods
Oxidase			+	+
Hemolysis			$\gamma$ -hemolysis	$\gamma$ -hemolysis
Motility	20°C		+	+
	30°C		+	+
H <sub>2</sub> S production	20°C		+	-
	30°C		+	-
Nitrate reduction			+	-
Anaerobic growth at 30°C			-	-
Aerobic growth	4°C	TSB	72h	72h
		TSA	72h	72h
	15°C	TSB	24h	24h
		TSA	24h	24h
	20°C	TSB	24h	24h
		TSA	24h	24h
	30°C	TSB	24h	24h
		TSA	24h	24h
	35°C	TSB	72h	72h
		TSA	72h	72h
	37°C	TSB	-	-
		TSA	-	-
Tolerance to NaCl	0%		24h	24h
	1%		24h	24h
	3%		24h	24h
	5%		24h	48h
	8%		168h	-
	10 - 15%		-	-
Pyocyanin production			nd	-
Pyoverdine production			nd	-

\* “+”, means growth and test positive

\*\* “-“, means no growth or test negative

\*\*\* “nd”, means not determined

**Supplementary Table S2** Effect of temperature on the stability of AS13 antimicrobial activity

<b>Temperature (°C)</b>	<b>I.A. (%)</b>
25	100
40	99,5
50	100
60	99,4
70	98,9
80	97,2
90	96,9
100	96,3

I.A.: absolute inhibitory activity

**Supplementary Table S3** Effect of pH on the stability of AS13 antimicrobial activity

<b>pH</b>	<b>I.A. (%)</b>
2	84,2
4	91,2
6	100
8	79,1
10	47,6

I.A.: absolute inhibitory activity