

# Molecular Identification of Bacteria Isolated from Marketed *Sparus aurata* and *Penaeus indicus* Sea Products: Antibiotic Resistance Profiling and Evaluation of Biofilm Formation

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**Supplementary material Table S1.** Antibiotic susceptibility of 18 Gram negative bacteria to 26 antibiotics and MARI calculation.

Code	Bacteria Tested	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	MARI
P <sub>1</sub>	<i>V. natrigens</i>	S	S	R	R	S	S	R	R	R	S	R	R	R	R	R	R	R	R	S	R	S	S	S	R	R	S	0.615
P <sub>14</sub>	<i>V. natrigens</i>	S	S	R	R	R	R	R	R	R	I	R	R	R	R	R	R	R	I	S	S	S	S	R	R	R	S	0.423
SA <sub>11</sub>	<i>V. natrigens</i>	S	S	R	S	R	S	R	R	R	I	R	R	R	R	R	R	R	R	S	R	S	S	R	R	R	S	0.538
SA <sub>13</sub>	<i>V. natrigens</i>	S	S	S	R	I	I	S	S	S	R	S	R	R	R	I	I	R	R	I	R	S	I	R	R	R	S	0.615
SA <sub>27</sub>	<i>V. natrigens</i>	S	S	R	I	R	I	R	R	R	I	R	S	R	R	R	I	R	R	S	R	R	S	S	R	S	S	0.653
P <sub>9</sub>	<i>V. harveyi</i>	S	S	R	S	I	S	S	R	R	S	R	S	R	R	S	I	R	R	I	R	S	S	S	R	S	S	0.5
SA <sub>26</sub>	<i>V. harveyi</i>	R	S	R	S	I	R	I	R	I	S	R	R	R	R	R	I	R	I	S	R	S	S	R	R	S	S	0.384
P <sub>2</sub>	<i>V. alginolyticus</i>	S	S	R	I	R	R	R	R	R	R	R	R	R	R	I	R	R	R	S	R	S	S	S	R	R	S	0.615
P <sub>12</sub>	<i>V. hyuganesis</i>	S	S	R	S	R	S	R	R	R	S	R	S	R	R	I	S	R	S	S	R	S	S	S	R	S	S	0.423
Total R (%)		11	0	89	33	56	33	67	89	78	22	89	67	100	100	56	44	100	67	0	89	11	0	44	100	56	0	
Total I (%)		0	0	0	22	33	22	22	0	11	33	0	0	0	0	33	44	0	22	33	0	0	11	0	0	0	0	
Total S (%)		89	100	11	44	11	44	11	11	11	44	11	33	0	0	11	11	0	11	77	11	89	89	56	0	44	100	
SA <sub>1</sub>	<i>A. veronii</i>	I	S	R	I	R	R	R	R	I	S	R	R	R	R	R	R	R	R	I	R	S	S	R	R	R	S	0.653
SA <sub>15</sub>	<i>A. veronii</i>	R	S	S	S	R	I	S	R	R	R	R	R	R	R	I	S	R	R	S	R	S	S	S	R	S	R	0.538
SA <sub>17</sub>	<i>A. veronii</i>	R	S	S	S	I	S	S	R	R	I	R	R	R	R	R	I	R	S	R	R	S	S	S	R	S	S	0.461
SA <sub>25</sub>	<i>A. veronii</i>	S	S	R	R	R	R	I	R	R	R	R	R	R	R	R	R	R	R	S	R	S	S	S	R	R	S	0.692
SA <sub>31</sub>	<i>A. veronii</i>	S	S	S	S	R	I	I	R	R	R	R	R	R	R	R	R	R	R	S	R	S	I	S	R	S	I	0.538
Total R (%)		40	0	40	20	80	40	20	100	80	60	100	100	100	100	80	60	100	80	20	100	0	0	20	100	40	20	
Total I (%)		20	0	60	20	20	40	40	0	20	20	0	0	0	0	20	20	0	0	20	0	0	20	0	0	0	20	
Total S (%)		40	100	0	60	0	20	40	0	0	20	0	0	0	0	0	20	0	20	60	0	100	80	100	0	60	60	
SA <sub>3</sub>	<i>P. piscicida</i>	S	S	R	S	S	I	S	R	R	S	R	R	R	R	R	R	R	R	I	R	S	S	I	R	R	I	0.538
SA <sub>5</sub>	<i>P. damsela</i>	S	S	R	I	I	R	R	R	R	S	R	R	R	R	R	R	R	S	I	R	S	S	R	R	R	S	0.615
P <sub>13</sub>	<i>S. indica</i>	I	I	R	R	R	R	R	R	R	I	R	R	R	R	S	R	R	R	S	R	S	S	S	R	R	S	0.653
P <sub>5</sub>	<i>M. morganii</i>	S	S	R	R	I	R	R	R	R	S	R	R	R	R	S	I	R	I	I	S	S	S	S	R	S	S	0.423
Total R (%)		0	0	100	50	25	75	75	100	100	0	100	100	100	100	50	75	100	50	0	75	0	0	25	100	75	0	
Total I (%)		25	25	0	25	50	25	0	0	0	25	0	0	0	0	0	25	0	25	75	0	0	0	25	0	0	25	
Total S (%)		75	75	0	25	25	0	25	0	0	75	0	0	0	0	50	0	0	25	25	25	100	100	50	0	25	75	
R for All G-		17	0	78	33	56	44	56	94	83	28	94	83	100	100	61	56	100	67	6	89	6	0	33	100	61	6	
1-NA 2-NOR 3-TMO 4-FOS 5-ETP6-CIP 7-F 8-AK 9-GEN 10-TET 11-AMP 12-MXF 13-MEM 14-TIC 15-PPT 16-CTX 17-TGC 18-E 19-C 20-AUG 21-TOB 22-SXT 23-CZD 24-CPN 25-CST 26-NET																												

**Supplementary material Table S2.** Antibiotic susceptibility of *V. fluvialis*, *B. cereus* and *S. epidermidis* to 18 antibiotics and MARI calculation.

Code	Bacteria	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	MARI
SA <sub>7</sub>	<i>S. epidermidis</i>	S	S	I	I	I	I	R	R	I	R	S	R	S	S	R	I	R	S	0.333
SA <sub>21</sub>	<i>V. fluvialis</i>	S	S	R	S	I	R	R	R	S	S	S	S	I	R	S	I	S	S	0.277
SA <sub>9</sub>	<i>B. cereus</i>	S	S	I	S	R	S	R	R	I	R	S	R	S	R	R	R	R	S	0.5
Total R (%)		0	0	33	0	33	33	100	100	0	67	0	67	0	67	67	33	67	0	
Total I (%)		0	0	67	33	67	33	0	0	67	0	0	0	33	0	0	67	0	0	
Total S (%)		100	100	0	67	0	33	0	0	33	33	100	33	67	33	33	0	33	100	
1-NOR	2-FOS	3-F	4-AK	5-GEN	6-TET	7-AMP	8-MXF	9-RAM	10-PTN	11-E	12-AUG	13-TOB	14-SXT	15-LZD	16-CPN					