

Table S2. Identification and source of resistant isolates from intestinal content of demersal fishes.

| Isolate | Fish species | Accession N° | Closest species (Accession N°) | % Identity |
|---------|----------------------------------|--------------|--|------------|
| NCIA6 | <i>Merluccius gayi gayi</i> | PP326983 | <i>Pseudomonas fluorescens</i> (AF228367) | 85.50 |
| NCIA7 | <i>Merluccius gayi gayi</i> | PP326984 | <i>Vibrio</i> sp. (DQ146980) | 99.29 |
| NCIA8 | <i>Merluccius gayi gayi</i> | PP326985 | <i>Pseudomonas fluorescens</i> (AF228367) | 98.60 |
| NCIA9 | <i>Merluccius gayi gayi</i> | PP326986 | <i>Pseudomonas</i> sp. (AY014829) | 99.86 |
| NCIA10 | <i>Merluccius gayi gayi</i> | PP326988 | <i>Pseudomonas</i> sp. (JQ012960) | 100 |
| NCIA11 | <i>Merluccius gayi gayi</i> | PP267453 | <i>Pseudomonas crudilactis</i> (NR_179985) | 99.36 |
| NCIF10 | <i>Merluccius gayi gayi</i> | PP326990 | <i>Pseudomonas</i> sp. (FJ002582) | 99.79 |
| NCIF12 | <i>Merluccius gayi gayi</i> | PP326991 | <i>Pseudomonas</i> sp. (FJ002582) | 99.93 |
| NCIF13 | <i>Merluccius gayi gayi</i> | PP326992 | <i>Pseudomonas</i> sp. (FJ379535) | 97.40 |
| NCIO11 | <i>Merluccius gayi gayi</i> | PP326994 | <i>Acinetobacter johnsonii</i> (EU977635) | 99.84 |
| NCIO12 | <i>Merluccius gayi gayi</i> | PP267454 | <i>Psychrobacter cibarius</i> (NR_043057) | 99.36 |
| NCIO13 | <i>Merluccius gayi gayi</i> | PP272034 | <i>Psychrobacter maritimus</i> (NR_027225) | 100 |
| NCIS9 | <i>Merluccius gayi gayi</i> | PP326993 | <i>Pseudomonas</i> sp. (DQ683573) | 96.90 |
| NCIS10 | <i>Merluccius gayi gayi</i> | PP326995 | <i>Pseudomonas</i> sp. (AM398216) | 100 |
| NCIS11 | <i>Merluccius gayi gayi</i> | PP326996 | <i>Vibrio toranzoniae</i> (HE978311) | 100 |
| NCIS12 | <i>Merluccius gayi gayi</i> | PP326999 | <i>Pseudomonas fluorescens</i> (AF228367) | 100 |
| NCIA46 | <i>Menticirrhus ophicephalus</i> | PP326998 | <i>Vibrio lentus</i> (AY292935) | 99.50 |
| NCIA47 | <i>Menticirrhus ophicephalus</i> | PP327001 | <i>Vibrio lentus</i> (AY292935) | 99.10 |
| NCIA48 | <i>Menticirrhus ophicephalus</i> | PP327000 | <i>Vibrio toranzoniae</i> (HE978311) | 100 |
| NCIA49 | <i>Menticirrhus ophicephalus</i> | PP327004 | <i>Pseudomonas</i> sp. (FJ379535) | 100 |
| NCIA50 | <i>Menticirrhus ophicephalus</i> | PP327006 | <i>Pseudomonas</i> sp. (JQ012960) | 100 |
| NCIA51 | <i>Menticirrhus ophicephalus</i> | PP327007 | <i>Shewanella</i> sp. (FJ231175) | 100 |
| NCIA52 | <i>Menticirrhus ophicephalus</i> | PP327011 | <i>Vibrio kanaloae</i> (NR_114804) | 99.34 |
| NCIA53 | <i>Menticirrhus ophicephalus</i> | PP327010 | <i>Photobacterium</i> sp. (FJ457575) | 97.60 |
| NCIA54 | <i>Menticirrhus ophicephalus</i> | PP327012 | <i>Vibrio lentus</i> (AY292935) | 99.00 |
| NCIA55 | <i>Menticirrhus ophicephalus</i> | PP327013 | <i>Vibrio toranzoniae</i> (HE978311) | 100 |
| NCIF19 | <i>Menticirrhus ophicephalus</i> | PP327015 | <i>Pseudomonas</i> sp (JQ012960) | 100 |
| NCIF20 | <i>Menticirrhus ophicephalus</i> | PP327014 | <i>Pseudomonas</i> sp. (HM196354) | 98.60 |
| NCIF21 | <i>Menticirrhus ophicephalus</i> | PP327017 | <i>Pseudomonas jessenii</i> (AM933510) | 100 |
| NCIF22 | <i>Menticirrhus ophicephalus</i> | PP327016 | <i>Pseudomonas gessardii</i> (AF074384) | 98.10 |
| NCIF23 | <i>Menticirrhus ophicephalus</i> | PP327028 | <i>Pseudomonas</i> sp. (AY573031) | 99.30 |
| NCIO26 | <i>Menticirrhus ophicephalus</i> | PP327029 | <i>Moellerella wisconsensis</i> (KP058388) | 99.40 |
| NCIO27 | <i>Menticirrhus ophicephalus</i> | PP327214 | <i>Proteus vulgaris</i> (KC210847) | 98.30 |
| NCIO28 | <i>Menticirrhus ophicephalus</i> | PP327215 | <i>Pseudoalteromonas</i> sp. (GU062519) | 99.30 |
| NCIO31 | <i>Menticirrhus ophicephalus</i> | PP267455 | <i>Psychrobacter immobilis</i> (NR_113805) | 99.88 |
| NCIO32 | <i>Menticirrhus ophicephalus</i> | PP327270 | <i>Shewanella</i> sp. (EU075118) | 99.60 |
| NCIO33 | <i>Menticirrhus ophicephalus</i> | PP267456 | <i>Psychrobacter cibarius</i> (NR_043057) | 99.79 |

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| NCIO35 | <i>Menticirrhus ophicephalus</i> | PP327366 | <i>Shewanella</i> sp. (EU075116) | 98.10 |
| NCIS38 | <i>Menticirrhus ophicephalus</i> | PP327367 | <i>Aliivibrio finisterrensis</i> (EU541616) | 94.10 |
| NCIS39 | <i>Menticirrhus ophicephalus</i> | PP267457 | <i>Pseudoalteromonas elyakovii</i> (NR_028722) | 99.25 |
| NCIS40 | <i>Menticirrhus ophicephalus</i> | PP328540 | <i>Aliivibrio fischeri</i> (AY292949) | 98.20 |
| NCIS41 | <i>Menticirrhus ophicephalus</i> | PP328541 | <i>Aliivibrio fischeri</i> (AY292949) | 97.10 |
| NCIS42 | <i>Menticirrhus ophicephalus</i> | PP328543 | <i>Shewanella marinintestina</i> (AB081758) | 100.0 |
| NCIS43 | <i>Menticirrhus ophicephalus</i> | PP328545 | <i>Aliivibrio fischeri</i> (AY292949) | 98.20 |
| NCIA30 | <i>Pinguipes chilensis</i> | PP328579 | <i>Vibrio splendidus</i> (AJ874367) | 100 |
| NCIA31 | <i>Pinguipes chilensis</i> | PP328590 | <i>Vibrio</i> sp. (AF242274) | 100 |
| NCIA32 | <i>Pinguipes chilensis</i> | PP328775 | <i>Vibrio lentus</i> (AY292935) | 100 |
| NCIA33 | <i>Pinguipes chilensis</i> | PP328776 | <i>Vibrio</i> sp. (DQ328955) | 100 |
| NCIA34 | <i>Pinguipes chilensis</i> | PP331442 | <i>Vibrio</i> sp. (DQ480140) | 94.00 |
| NCIA35 | <i>Pinguipes chilensis</i> | PP331448 | <i>Vibrio</i> sp. (FJ457534) | 100 |
| NCIA36 | <i>Pinguipes chilensis</i> | PP331491 | <i>Vibrio</i> sp. (FR744824) | 100 |
| NCIA37 | <i>Pinguipes chilensis</i> | PP331796 | <i>Vibrio</i> sp. (FJ457352) | 100 |
| NCIS28 | <i>Pinguipes chilensis</i> | PP267458 | <i>Vibrio crassostreae</i> (NR_044078) | 99.14 |
| NCIA14 | <i>Prolatilus jugularis</i> | PP267503 | <i>Photobacterium carnosum</i> (NR_156814) | 97.75 |
| NCIA15 | <i>Prolatilus jugularis</i> | PP331805 | <i>Vibrio</i> sp. (AF242274) | 99.20 |
| NCIA16 | <i>Prolatilus jugularis</i> | PP267504 | <i>Vibrio alginolyticus</i> (NR_122050) | 99.36 |
| NCIA17 | <i>Prolatilus jugularis</i> | PP267505 | <i>Vibrio alginolyticus</i> (NR_122059) | 99.36 |
| NCIA18 | <i>Prolatilus jugularis</i> | PP331845 | <i>Shewanella woodyi</i> (JF412212) | 97.10 |
| NCIA19 | <i>Prolatilus jugularis</i> | PP267506 | <i>Photobacterium carnosum</i> (NR_156814) | 98.18 |
| NCIA20 | <i>Prolatilus jugularis</i> | PP331856 | <i>Vibrio kanaloae</i> (JN128262) | 100 |
| NCIS14 | <i>Prolatilus jugularis</i> | PP332289 | <i>Aliivibrio</i> sp. (EU862334) | 100 |
| NCIS14b | <i>Prolatilus jugularis</i> | PP332290 | <i>Aliivibrio fischeri</i> (AY292920) | 98.70 |
| NCIS15b | <i>Prolatilus jugularis</i> | | <i>Vibrio crassostreae</i> (NR_044078) | 99.25 |
| NCIS16 | <i>Prolatilus jugularis</i> | PP332294 | <i>Aliivibrio logei</i> (JF412238) | 100 |
| NCIS16b | <i>Prolatilus jugularis</i> | PP267551 | <i>Vibrio chemaguriensis</i> (NR_179846) | 99.18 |
| NCIS17 | <i>Prolatilus jugularis</i> | PP267552 | <i>Photobacterium aquimaris</i> (NR_114269) | 99.77 |
| NCIS18 | <i>Prolatilus jugularis</i> | PP332295 | <i>Aliivibrio finisterrensis</i> (EU541614) | 96.30 |
| NCIS19 | <i>Prolatilus jugularis</i> | PP332310 | <i>Shewanella woodyi</i> (JF4122079) | 98.10 |
| NCIA12 | <i>Genypterus chilensis</i> | PP333039 | <i>Vibrio lentus</i> (AY292935) | 100 |
| NCIS13 | <i>Genypterus chilensis</i> | PP332397 | <i>Shewanella</i> sp. (FN295775) | 99.30 |
| NCIS15 | <i>Genypterus chilensis</i> | PP270283 | <i>Photobacterium sanguinican</i> (NR_146675) | 99.79 |