

Supplementary Table. Identifications (IDs) of the species or other taxa of specimens of red snapper (*Lutjanus campechanus*) sampled along the Atlantic coast of the southeastern United States in 2017 and 2018, based on comparison of edited DNA sequences from specimens with reference sequences in the GenBank database of the National Center for Biotechnology Information, including results from using the the Basic Local Alignment Search Tool (BLAST) to query the database. The BLAST returned a list of IDs along with the max score (the highest alignment score calculated from the sum of the rewards for matched nucleotides or amino acids and penalties for mismatches and gaps), total score (the sum of alignment scores of all segments from the same subject sequence), coverage (the percentage of the query length that is included in the aligned segments), E value (the number of alignments one can expect to see by chance when searching a database of a particular size), % ID (the highest percent identity for a set of aligned segments to the same subject sequence) and accession number. If a specimen could not be identified to species by using GenBank, the Barcode of Life Database (BOLD) was used. An asterisk (*) denotes a unidirectional sequence.

| Sample ID code | Base pair length (edited) | Specimen ID | BLAST or BOLD hit(s) | Max score | Total score | Coverage (%) | E value | % ID | Accession no. |
|----------------|---------------------------|-------------------------------|-------------------------------|-----------|-------------|--------------|---------|---------|---------------|
| Xyz151 | 522 | <i>Synodus foetens</i> | <i>Synodus foetens</i> | 965 | 965 | 100% | 0 | 100.00% | JX519410.1 |
| Xyz152 | 394 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 712 | 712 | 100% | 0 | 99.23% | KX811026.1 |
| Xyz153 | 589 | <i>Sphoeroides dorsalis</i> | <i>Sphoeroides dorsalis</i> | 1077 | 1077 | 100% | 0 | 99.66% | JQ681809.1 |
| Xyz154 | 597 | <i>Stenotomus sp.</i> | <i>Stenotomus chrysops</i> | 1092 | 1092 | 100% | 0 | 99.66% | KC015933.1 |
| | | | <i>Stenotomus caprinus</i> | 1086 | 1086 | 100% | 0 | 99.50% | KJ012441.1 |
| Xyz155 | 590 | <i>Stenotomus sp.</i> | <i>Stenotomus caprinus</i> | 1090 | 1090 | 100% | 0 | 100.00% | KJ012441.1 |
| | | | <i>Stenotomus chrysops</i> | 1090 | 1090 | 100% | 0 | 100.00% | HQ025017.1 |
| Xyz156 | 592 | <i>Synodus foetens</i> | <i>Synodus foetens</i> | 1094 | 1094 | 100% | 0 | 100.00% | JX519410.1 |
| Xyz158* | 584 | <i>Synodus foetens</i> | <i>Synodus foetens</i> | 1046 | 1046 | 96% | 0 | 100.00% | JX519410.1 |
| Xyz160 | 532 | <i>Citharichthys macrops</i> | <i>Citharichthys macrops</i> | – | – | – | – | 99.62% | EARLY RELEASE |
| Xyz161 | 530 | <i>Ophichthus puncticeps</i> | <i>Ophichthus puncticeps</i> | – | – | – | – | 100.00% | BOLD: AAF4088 |
| Xyz162 | 533 | <i>Pagrus pagrus</i> | | 985 | 985 | 100% | 0 | 100.00% | MG837962.1 |
| Xyz163 | 573 | <i>Echiophis intertinctus</i> | <i>Echiophis intertinctus</i> | – | – | – | – | 100.00% | EARLY RELEASE |
| Xyz164 | 576 | <i>Serraniculus pumilio</i> | <i>Serraniculus pumilio</i> | – | – | – | – | 99.83% | PRIVATE |
| | | | | – | – | – | – | 97.56% | BOLD: AAJ7476 |

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|---------|-----|------------------------------|------------------------------|------|------|------|----------|---------|------------------|
| Xyz165 | 595 | <i>Synodus foetens</i> | <i>Synodus foetens</i> | 1094 | 1094 | 100% | 0 | 99.83% | JX519410.1 |
| Xyz167 | 587 | <i>Bregmaceros cantori</i> | <i>Bregmaceros cantori</i> | – | – | – | – | 99.65% | BOLD:AAJ8838 |
| Xyz168 | 437 | <i>Conger oceanicus</i> | <i>Conger oceanicus</i> | 802 | 802 | 100% | 0 | 99.77% | MG856690.1 |
| Xyz169* | 589 | <i>Saurida brasiliensis</i> | <i>Saurida brasiliensis</i> | 1031 | 1031 | 95% | 0 | 99.65% | JX519394.1 |
| Xyz171 | 541 | <i>Bregmaceros cantori</i> | <i>Bregmaceros cantori</i> | – | – | – | – | 99.62% | BOLD:AAJ8838 |
| Xyz173 | 585 | <i>Ophidion sp.</i> | <i>Ophidion holbrookii</i> | 976 | 976 | 100% | 0 | 96.75% | GU702414.1 |
| Xyz181 | 578 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 1068 | 1068 | 100% | 0 | 100.00% | KX811026.1 |
| Xyz182 | 511 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 922 | 922 | 100% | 0 | 99.22% | KX811026.1 |
| Xyz183 | 368 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 680 | 680 | 100% | 0 | 100.00% | KX811026.1 |
| Xyz185 | 572 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 1057 | 1057 | 100% | 0 | 100.00% | KX811026.1 |
| Xyz187 | 501 | <i>Ariosoma balearicum</i> | <i>Ariosoma balearicum</i> | 926 | 926 | 100% | 0 | 100.00% | KF929625.1 |
| Xyz190 | 593 | <i>Ophidion sp.</i> | <i>Ophidion holbrookii</i> | 1002 | 1002 | 100% | 0 | 97.13% | GU702499.1 |
| Xyz191 | 587 | <i>Ariosoma balearicum</i> | <i>Ariosoma balearicum</i> | 1085 | 1085 | 100% | 0 | 100.00% | KF929625.1 |
| Xyz203 | 584 | <i>Porichthys plectrodon</i> | <i>Porichthys plectrodon</i> | – | – | – | – | 97.73% | BOLD: AAL0710 |
| Xyz204 | 551 | <i>Porichthys plectrodon</i> | <i>Porichthys plectrodon</i> | – | – | – | – | 97.60% | BOLD: AAL0710 |
| Xyz209 | 218 | <i>Ophidion sp.</i> | <i>Ophidion holbrookii</i> | 351 | 351 | 100% | 5.00E-93 | 95.41% | GU702499.1 |
| Xyz222 | 519 | <i>Syacium papillosum</i> | <i>Syacium papillosum</i> | 944 | 944 | 100% | 0 | 99.42% | JX887479.1 |
| Xyz223 | 420 | <i>Haemulon</i> | <i>Haemulon</i> | 776 | 776 | 100% | 0 | 100.00% | KF461185.1 |
| | | <i>aurolineatum</i> | <i>aurolineatum</i> | | | | | | |
| Xyz224 | 565 | <i>Haemulon</i> | <i>Haemulon</i> | 1038 | 1038 | 100% | 0 | 99.82% | MH378641.1 |
| | | <i>aurolineatum</i> | <i>aurolineatum</i> | | | | | | |
| Xyz225 | 568 | <i>Ophidion sp.</i> | <i>Ophidion holbrookii</i> | 955 | 955 | 100% | 0 | 97.01% | GU702414.1 |
| Xyz226 | 516 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 953 | 953 | 100% | 0 | 100.00% | KX811026.1 |
| Xyz227 | 571 | <i>Haemulon</i> | <i>Haemulon</i> | 1055 | 1055 | 100% | 0 | 100.00% | MH378641.1 |
| | | <i>aurolineatum</i> | <i>aurolineatum</i> | | | | | | |
| Xyz228 | 605 | Ophichthidae | <i>Ophichthus rufus</i> | 684 | 684 | 99% | 0 | 87.19% | MK450530.1 |
| Xyz229 | 586 | Ophichthidae | <i>Ophichthus rufus</i> | 664 | 664 | 99% | 0 | 87.16% | MK450530.1 |
| Xyz230 | 568 | <i>Prionotus roseus</i> | <i>Prionotus roseus</i> | 1050 | 1050 | 100% | 0 | 100.00% | KX811026.1 |
| Xyz232 | 588 | <i>Halichoeres caudalis</i> | <i>Halichoeres caudalis</i> | – | – | – | – | 99.83% | BOLD: ADM4985 |
| Xyz233 | 584 | <i>Synodus poeyi</i> | <i>Synodus poeyi</i> | 1068 | 1068 | 100% | 0 | 99.66% | JX519378.1 |
| Xyz234 | 484 | <i>Haemulon</i> | <i>Haemulon</i> | 894 | 894 | 100% | 0 | 100.00% | MH378641.1 |
| | | <i>aurolineatum</i> | <i>aurolineatum</i> | | | | | | |