**Table S2**. Metrics associated with single marine nematode specimens included: the total number (Num.) of demultiplexed reads, num. of reads retained by DADA2, total num. ASVs, num. ASVs assigned to Nematoda (Nem.), num. ASVs assigned to Nematoda with ≥ 1% relative abundance (RA %), RA of dominant (Dom.) ASV, taxonomy of Dom. ASV, and sample category. Samples highlighted in red were considered outliers (i.e. low read count < 500 reads; high read count > 100,000 reads) and therefore removed from our downstream analyses. Samples highlighted in orange represent blanks (i.e., no nematode included) as well as PCR positive (ZymoCtrl) and negative (NegCtrl) controls.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **Total**  **Num.**  **Reads** | **Reads**  **Retained1** | **Num.**  **ASVs2** | **Nem.**  **ASVs3** | **Nem. ASVs**  **≥ 1%4** | **RA (%)**  **Dom. ASV5** | **Dom. ASV**  **Tax.6** | **Sample**  **Category7** |
| Nem.17 | 27,278 | 15,918 | 25 | 18 | 4 | 77 | Y | 2 |
| Nem.18 | 27,246 | 19,007 | 12 | 9 | 3 | 80 | Y | 2 |
| Nem.19 | 25,900 | 16,908 | 6 | 6 | 2 | 85 | Y | 1 |
| Nem.20 | 33,796 | 16,966 | 14 | 13 | 6 | 88 | Y | 1 |
| Nem.21 | 37,261 | 26,654 | 10 | 8 | 4 | 81 | Y | 2 |
| Nem.22 | 23,012 | 10,989 | 91 | 40 | 10 | 21 | N | 3c |
| Nem.23 | 17,388 | 4,080 | 77 | 23 | 6 | 26 | Y | 3a |
| Nem.24 | 26,532 | 17,577 | 26 | 14 | 3 | 78 | Y | 2 |
| Nem.25 | 22,631 | 15,248 | 2 | 2 | 2 | 84 | Y | 2 |
| Nem.26 | 40,434 | 23,268 | 5 | 5 | 4 | 77 | Y | 2 |
| Nem.27 | 27,878 | 19,037 | 3 | 2 | 2 | 87 | Y | 1 |
| Nem.28 | 25,409 | 15,446 | 22 | 15 | 2 | 78 | Y | 1 |
| Nem.29 | 23,738 | 8,346 | 26 | 17 | 10 | 64 | Y | 4 |
| Nem.30 | 33,748 | 24,167 | 13 | 10 | 3 | 77 | Y | 2 |
| Nem.31 | 21,682 | 9,620 | 21 | 18 | 16 | 29 | Y | 4 |
| Nem.32 | 30,465 | 17,273 | 5 | 3 | 2 | 84 | Y | 2 |
| Nem.33 | 16,976 | 11,586 | 4 | 4 | 2 | 83 | Y | 2 |
| Nem.34 | 26,102 | 18,076 | 11 | 7 | 2 | 82 | Y | 2 |
| Nem.35 | 22,213 | 13,245 | 8 | 7 | 3 | 63 | Y | 4 |
| Nem.36 | 46,765 | 25,465 | 10 | 10 | 10 | 41 | Y | 4 |
| Nem.37 | 31,563 | 18,186 | 20 | 10 | 2 | 82 | Y | 2 |
| Nem.38 | 29,904 | 15,985 | 8 | 7 | 4 | 52 | Y | 4 |
| Nem.39 | 22,209 | 16,158 | 8 | 7 | 3 | 82 | Y | 2 |
| Nem.40 | 14,267 | 3,109 | 8 | 4 | 4 | 24 | Y | 3d |
| Nem.41 | 25,579 | 15,381 | 8 | 6 | 4 | 54 | Y | 3c |
| Nem.42 | 33,873 | 22,402 | 5 | 5 | 3 | 81 | Y | 2 |
| Nem.43 | 22,791 | 12,297 | 24 | 16 | 14 | 12 | N | 3c |
| Nem.44 | 23,102 | 7,830 | 45 | 38 | 30 | 16 | Y | 3c |
| Nem.45 | 21,185 | 12,602 | 15 | 12 | 3 | 77 | Y | 2 |
| Nem.46 | 17,040 | 7,611 | 14 | 8 | 7 | 34 | Y | 3c |
| Nem.47 | 24,461 | 17,819 | 9 | 7 | 3 | 80 | Y | 2 |
| Nem.48 | 20,189 | 14,485 | 12 | 10 | 2 | 80 | Y | 2 |
| Nem.49 | 40,158 | 23,813 | 19 | 17 | 3 | 76 | Y | 2 |
| Nem.50 | 8,751 | 4,887 | 11 | 8 | 5 | 71 | Y | 4 |
| Nem.51 | 25,771 | 15,844 | 6 | 5 | 3 | 52 | Y | 4 |
| Nem.52 | 23,503 | 14,197 | 9 | 6 | 5 | 78 | Y | 2 |
| Nem.53 | 24,974 | 13,718 | 12 | 9 | 5 | 71 | Y | 4 |
| Nem.54 | 25,677 | 12,986 | 29 | 12 | 6 | 35 | N | 3a |
| Nem.55 | 31,697 | 20,453 | 13 | 13 | 7 | 74 | Y | 4 |
| Nem.56 | 21,609 | 6,020 | 25 | 15 | 11 | 32 | N | 3b |
| Nem.57 | 20,603 | 5,787 | 25 | 9 | 5 | 61 | N | 3b |
| Nem.58 | 28,035 | 14,342 | 17 | 17 | 11 | 30 | Y | 4 |
| Nem.59 | 35,015 | 24,156 | 3 | 3 | 3 | 83 | Y | 2 |
| Nem.60 | 25,149 | 2,249 | 17 | 9 | 9 | 53 | N | 3b |
| Nem.61 | 15,070 | 4,281 | 18 | 12 | 10 | 44 | Y | 4 |
| Nem.63 | 26,075 | 16,618 | 5 | 5 | 2 | 82 | Y | 2 |
| Nem.64 | 19,223 | 2,971 | 25 | 13 | 13 | 27 | Y | 3b |
| Nem.65 | 38,640 | 20,052 | 11 | 8 | 2 | 83 | Y | 2 |
| Nem.66 | 41,270 | 23,249 | 15 | 10 | 6 | 75 | Y | 2 |
| Nem.67 | 29,554 | 15,734 | 2 | 2 | 2 | 85 | Y | 1 |
| Nem.68 | 17,309 | 12,381 | 8 | 8 | 5 | 80 | Y | 2 |
| Nem.69 | 30,285 | 15,911 | 8 | 6 | 2 | 84 | Y | 2 |
| Nem.70 | 32,473 | 16,958 | 2 | 2 | 2 | 84 | Y | 2 |
| Nem.71 | 23,308 | 16,008 | 5 | 4 | 2 | 84 | Y | 2 |
| Nem.72 | 25,376 | 13,405 | 2 | 2 | 2 | 84 | Y | 2 |
| Nem.73 | 19,921 | 13,698 | 4 | 4 | 2 | 84 | Y | 2 |
| Nem.74 | 34,606 | 17,855 | 7 | 7 | 3 | 80 | Y | 2 |
| Nem.75 | 22,071 | 8,987 | 11 | 10 | 9 | 63 | Y | 4 |
| Nem.76 | 21,404 | 15,129 | 7 | 7 | 2 | 83 | Y | 2 |
| Nem.77 | 14,122 | 9,667 | 6 | 6 | 6 | 68 | Y | 4 |
| Nem.78 | 18,231 | 9,475 | 3 | 3 | 3 | 84 | Y | 2 |
| Nem.79 | 30,659 | 16,078 | 3 | 2 | 2 | 84 | Y | 2 |
| Nem.80 | 23,975 | 13,600 | 12 | 9 | 3 | 79 | Y | 2 |
| Nem.81 | 23,212 | 14,943 | 10 | 9 | 5 | 76 | Y | 2 |
| Nem.84 | 9,943 | 1,658 | 6 | 2 | 2 | 59 | Y | 4 |
| Nem.85 | 12,335 | 4,598 | 10 | 6 | 6 | 20 | N | 3c |
| Nem.86 | 21,475 | 12,359 | 18 | 15 | 9 | 46 | Y | 4 |
| Nem.87 | 31,158 | 19,075 | 18 | 7 | 3 | 76 | Y | 2 |
| Nem.88 | 17,452 | 9,874 | 7 | 4 | 3 | 79 | Y | 2 |
| Nem.90 | 44,368 | 23,999 | 14 | 13 | 12 | 44 | Y | 4 |
| Nem.91 | 54,718 | 34,096 | 3 | 2 | 2 | 98 | Y | 1 |
| Nem.92 | 45,838 | 31,802 | 4 | 2 | 2 | 82 | Y | 2 |
| Nem.93 | 38,645 | 26,926 | 5 | 2 | 2 | 83 | Y | 2 |
| Nem.94 | 37,458 | 22,640 | 13 | 4 | 3 | 84 | Y | 2 |
| Nem.95 | 21,149 | 42 | 2 | - | - | 90 | NA | NA |
| Nem.96 | 11,829 | 1,280 | 5 | 2 | 2 | 36 | NA | NA |
| Nem.97 | 13,422 | 3,830 | 7 | 7 | 7 | 69 | Y | 4 |
| Nem.98 | 22,597 | 583 | 10 | 10 | 10 | 54 | Y | 3c |
| Nem.99 | 14,318 | 35 | 2 | 1 | 1 | 54 | Y | 3d |
| Nem.100 | 24,572 | 565 | 7 | 6 | 6 | 69 | Y | 3c |
| Nem.101 | 13,596 | 2,773 | 10 | 8 | 8 | 52 | Y | 3c |
| Nem.103 | 16,202 | 5,911 | 13 | 7 | 7 | 44 | Y | 4 |
| Nem.105 | 14,226 | 229 | 6 | 5 | 5 | 58 | Y | 3c |
| Nem.106 | 25,843 | 14,398 | 10 | 9 | 3 | 84 | Y | 2 |
| Nem.108 | 15,548 | 3,796 | 10 | 9 | 6 | 68 | Y | 4 |
| Nem.109 | 59,288 | 15,740 | 21 | 16 | 13 | 46 | Y | 3c |
| Nem.110 | 11,013 | 3,124 | 11 | 8 | 8 | 45 | Y | 3c |
| Nem.111 | 7,079 | 1,365 | 8 | 8 | 8 | 32 | Y | 4 |
| Nem.112 | 15,300 | 696 | 5 | 4 | 4 | 81 | Y | 2 |
| Nem.113 | 31,204 | 18,557 | 6 | 6 | 2 | 85 | Y | 1 |
| Nem.114 | 23,359 | 14,904 | 14 | 12 | 5 | 79 | Y | 2 |
| Nem.115 | 14,018 | 6,679 | 5 | 3 | 3 | 82 | Y | 2 |
| Nem.116 | 206,048 | 42,261 | 21 | 18 | 2 | 85 | Y | 1 |
| Nem.117 | 23,645 | 13,081 | 11 | 11 | 5 | 73 | Y | 4 |
| Nem.118 | 4,008 | 215 | 2 | 2 | 2 | 97 | Y | 1 |
| Nem.119 | 14,590 | 4,383 | 16 | 13 | 11 | 40 | Y | 3b |
| Nem.125 | 7,329 | 718 | 4 | 2 | 2 | 44 | NA | NA |
| Nem.126 | 14,105 | 1,106 | 10 | 8 | 7 | 22 | NA | NA |
| Nem.127 | 11,859 | 1,310 | 7 | 6 | 6 | 39 | Y | 4 |
| Nem.128 | 20,658 | 3,650 | 12 | 11 | 9 | 51 | Y | 4 |
| Nem.129 | 1,247,688 | 683,251 | 62 | 50 | 13 | 56 | Y | 4 |
| Nem.130 | 16,694 | 7,149 | 10 | 10 | 9 | 66 | Y | 4 |
| Nem.131 | 25,946 | 4,137 | 24 | 22 | 15 | 57 | Y | 4 |
| Nem.132 | 31,614 | 18,586 | 8 | 6 | 2 | 83 | Y | 2 |
| Nem.133 | 30,208 | 18,217 | 15 | 13 | 8 | 71 | Y | 4 |
| Nem.134 | 21,487 | 10,433 | 17 | 8 | 6 | 26 | Y | 4 |
| Nem.135 | 19,483 | 9,389 | 7 | 7 | 5 | 55 | Y | 4 |
| Nem.136 | 14,831 | 1,382 | 7 | 7 | 6 | 77 | Y | 2 |
| Nem.137 | 19,648 | 10,238 | 23 | 21 | 18 | 44 | Y | 4 |
| Nem.138 | 28,542 | 20,076 | 7 | 4 | 3 | 84 | Y | 2 |
| Nem.139 | 42,349 | 27,866 | 12 | 9 | 5 | 77 | Y | 2 |
| Nem.140 | 29,130 | 20,296 | 4 | 4 | 3 | 85 | Y | 1 |
| Nem.141 | 5,373,610 | 3,788,697 | 50 | 48 | 3 | 84 | Y | 2 |
| Nem.142 | 25,731 | 18,479 | 6 | 6 | 2 | 86 | Y | 1 |
| Nem.143 | 28,348 | 17,366 | 11 | 9 | 5 | 77 | Y | 2 |
| Nem.144 | 16,753 | 9,024 | 3 | 2 | 2 | 87 | Y | 1 |
| Nem.145 | 33,506 | 24,191 | 8 | 7 | 3 | 81 | Y | 2 |
| Nem.146 | 41,987 | 29,336 | 11 | 10 | 6 | 70 | Y | 4 |
| Nem.147 | 42,167 | 24,940 | 14 | 14 | 7 | 64 | Y | 4 |
| Nem.148 | 22,905 | 13,623 | 11 | 11 | 8 | 44 | Y | 4 |
| Nem.149 | 35,225 | 25,678 | 6 | 6 | 2 | 84 | Y | 2 |
| Nem.150 | 16,640 | 452 | 4 | 3 | 3 | 77 | Y | 2 |
| Nem.151 | 27,307 | 15,692 | 6 | 3 | 3 | 54 | N | 3b |
| Nem.152 | 14,840 | 5,255 | 8 | 8 | 8 | 66 | Y | 4 |
| Nem.153 | 21,157 | 9,950 | 15 | 12 | 9 | 60 | Y | 4 |
| Nem.154 | 35,683 | 23,792 | 15 | 11 | 3 | 78 | Y | 2 |
| Nem.155 | 10,066 | 3,687 | 2 | 2 | 2 | 83 | Y | 2 |
| Nem.156 | 32,373 | 17,960 | 25 | 16 | 6 | 65 | N | 3b |
| Nem.157 | 41,157 | 21,339 | 28 | 26 | 18 | 37 | Y | 4 |
| Nem.158 | 26,977 | 16,230 | 17 | 17 | 4 | 61 | Y | 4 |
| Nem.159 | 31,379 | 20,385 | 4 | 3 | 2 | 86 | Y | 1 |
| Nem.160 | 38,653 | 25,816 | 2 | 2 | 2 | 86 | Y | 1 |
| Nem.161 | 8,497 | 3,497 | 8 | 6 | 6 | 34 | Y | 3e |
| Nem.162 | 42,412 | 25,307 | 26 | 24 | 5 | 57 | Y | 4 |
| Nem.163 | 20,166 | 12,658 | 6 | 5 | 4 | 70 | Y | 4 |
| Nem.164 | 21,194 | 12,652 | 5 | 5 | 5 | 70 | Y | 4 |
| Nem.165 | 39,243 | 28,764 | 6 | 5 | 2 | 85 | Y | 1 |
| Nem.166 | 27,868 | 16,679 | 7 | 4 | 1 | 61 | N | 3a |
| Nem.167 | 25,709 | 11,357 | 6 | 4 | 3 | 86 | Y | 1 |
| Nem.168 | 26,638 | 14,595 | 16 | 14 | 9 | 60 | Y | 4 |
| Nem.169 | 31,774 | 21,211 | 5 | 5 | 2 | 82 | Y | 2 |
| Nem.170 | 30,133 | 18,168 | 23 | 22 | 9 | 53 | Y | 4 |
| Nem.171 | 41,384 | 25,648 | 11 | 10 | 4 | 63 | Y | 4 |
| Nem.172 | 26,068 | 18,185 | 5 | 4 | 2 | 86 | Y | 1 |
| Nem.173 | 25,057 | 17,005 | 2 | 2 | 2 | 86 | Y | 1 |
| Nem.174 | 8,960 | 3,496 | 5 | 4 | 4 | 64 | Y | 4 |
| Nem.175 | 16,237 | 3,748 | 16 | 15 | 15 | 53 | Y | 4 |
| Nem.177 | 33,783 | 22,074 | 12 | 9 | 3 | 81 | Y | 2 |
| Nem.178 | 41,153 | 28,557 | 15 | 13 | 6 | 72 | Y | 4 |
| Nem.179 | 28,043 | 16,443 | 12 | 12 | 10 | 55 | Y | 4 |
| Nem.181 | 31,661 | 20,041 | 21 | 19 | 13 | 62 | Y | 4 |
| Nem.183 | 1,062 | - | - | - | - |  | NA | NA |
| Nem.184 | 6,995 | 813 | 3 | 3 | 3 | 55 | NA | NA |
| Nem.185 | 43,647 | 27,493 | 17 | 16 | 7 | 74 | Y | 4 |
| Nem.186 | 24,785 | 11,263 | 16 | 13 | 11 | 20 | Y | 4 |
| Nem.187 | 51,514 | 34,264 | 13 | 12 | 5 | 77 | Y | 2 |
| Nem.188 | 43,805 | 26,477 | 6 | 6 | 4 | 77 | Y | 2 |
| Nem.189 | 27,367 | 15,699 | 12 | 11 | 9 | 42 | Y | 4 |
| Nem.190 | 55,538 | 34,654 | 11 | 10 | 7 | 73 | Y | 4 |
| Nem.191 | 83,097 | 46,394 | 23 | 22 | 5 | 56 | Y | 4 |
| Nem.192 | 60,341 | 4,619 | 10 | 9 | 5 | 71 | N | 3c |
| Nem.193 | 9,932 | 3,595 | 6 | 6 | 6 | 68 | Y | 4 |
| Nem.194 | 29,964 | 16,914 | 15 | 13 | 9 | 56 | Y | 4 |
| Nem.195 | 30,081 | 19,785 | 13 | 12 | 7 | 74 | Y | 4 |
| Nem.196 | 7,496 | 3,226 | 4 | 3 | 3 | 46 | Y | 3d |
| Nem.197 | 11,115 | 6,287 | 4 | 4 | 4 | 83 | Y | 2 |
| Nem.200 | 8,335 | 2,207 | 5 | 3 | 3 | 36 | N | 3c |
| Nem.201 | 10,089 | 3,150 | 12 | 3 | 3 | 26 | N | 3b |
| Nem.203 | 3,879 | 720 | 2 | - | - | 80 | NA | NA |
| Nem.204 | 336 | - | - | - | - |  | NA | NA |
| Nem.205 | 15,789 | 9,394 | 3 | 3 | 3 | 85 | Y | 1 |
| Nem.206 | 20,405 | 14,347 | 5 | 5 | 3 | 84 | Y | 2 |
| Nem.207 | 20,538 | 12,386 | 4 | 4 | 2 | 88 | Y | 1 |
| Nem.208 | 31,029 | 22,228 | 4 | 2 | 2 | 86 | Y | 1 |
| Nem.209 | 18,966 | 10,836 | 4 | 4 | 4 | 61 | Y | 4 |
| Nem.210 | 17,224 | 10,944 | 4 | 4 | 4 | 72 | Y | 4 |
| Nem.211 | 29,503 | 18,679 | 3 | 3 | 2 | 86 | Y | 1 |
| Nem.212 | 26,121 | 17,189 | 19 | 2 | 1 | 70 | N | 3e |
| Nem.213 | 21,660 | 12,263 | 4 | 4 | 4 | 63 | Y | 4 |
| Nem.214 | 31,851 | 17,479 | 12 | 8 | 8 | 42 | Y | 3b |
| Nem.215 | 32,117 | 22,071 | 6 | 5 | 3 | 74 | Y | 4 |
| Nem.217 | 30,369 | 16,630 | 14 | 11 | 5 | 59 | Y | 4 |
| Nem.219 | 25,540 | 16,583 | 9 | 6 | 5 | 78 | Y | 2 |
| Nem.220 | 7,605 | 4,196 | 11 | 4 | 4 | 50 | N | 3b |
| Nem.221 | 27,374 | 15,697 | 11 | 10 | 2 | 81 | Y | 2 |
| Nem.222 | 3,642 | 1,996 | 5 | 3 | 3 | 43 | N | 3b |
| Nem.224 | 28,804 | 15,870 | 14 | 14 | 4 | 69 | Y | 4 |
| Nem.225 | 7,201 | 2,527 | 4 | 2 | 2 | 77 | Y | 2 |
| Nem.227 | 1,346 | 590 | 1 | 1 | 1 | 100 | Y | 1 |
| Nem.228 | 38,847 | 28,473 | 9 | 7 | 4 | 81 | Y | 2 |
| Nem.229 | 6,103 | 3,850 | 5 | 3 | 3 | 56 | Y | 3b |
| Nem.230 | 5,391 | 3,223 | 5 | 2 | 2 | 49 | Y | 3a |
| Nem.231 | 30,004 | 18,859 | 6 | 5 | 4 | 70 | Y | 3c |
| Nem.232 | 28,312 | 14,035 | 22 | 15 | 9 | 33 | Y | 4 |
| Nem.233 | 7,311 | 4,066 | 7 | 3 | 3 | 71 | Y | 4 |
| Nem.234 | 4,462 | 2,531 | 2 | 2 | 2 | 81 | Y | 2 |
| Nem.235 | 1,640 | 486 | 2 | 2 | 2 | 89 | Y | 1 |
| Nem.237 | 12,986 | 7,725 | 2 | 2 | 2 | 81 | Y | 2 |
| Nem.238 | 17,757 | 1,982 | 2 | 2 | 2 | 86 | Y | 1 |
| Nem.239 | 13,365 | 6,356 | 8 | 3 | 3 | 27 | Y | 3a |
| Nem.240 | 7,614 | 4,656 | 2 | 2 | 2 | 82 | Y | 2 |
| Nem.241 | 20,900 | 11,658 | 39 | 35 | 22 | 38 | Y | 4 |
| Nem.242 | 179,780 | 118,597 | 6 | 5 | 3 | 84 | Y | 2 |
| Nem.243 | 13,879 | 6,197 | 4 | 3 | 2 | 86 | Y | 1 |
| Nem.244 | 14,987 | 4,480 | 4 | 4 | 3 | 81 | Y | 2 |
| Nem.245 | 12,156 | 6,407 | 8 | 8 | 8 | 56 | Y | 4 |
| Nem.246 | 21,206 | 14,400 | 4 | 4 | 4 | 82 | Y | 2 |
| Nem.247 | 33,417 | 18,453 | 26 | 25 | 13 | 47 | Y | 4 |
| Nem.248 | 16,519 | 8,215 | 10 | 3 | 3 | 52 | N | 3e |
| Nem.249 | 19,440 | 11,175 | 15 | 12 | 7 | 58 | Y | 4 |
| Nem.250 | 23,716 | 11,964 | 9 | 7 | 5 | 42 | Y | 4 |
| Nem.254 | 26,008 | 14,163 | 18 | 9 | 5 | 43 | Y | 3a |
| Nem.255 | 25,714 | 15,020 | 16 | 14 | 11 | 36 | Y | 4 |
| Nem.256 | 11,925 | 5,228 | 11 | 7 | 5 | 54 | Y | 4 |
| Nem.257 | 13,199 | 4,880 | 7 | 5 | 5 | 37 | N | 3e |
| Nem.258 | 26,818 | 14,349 | 8 | 2 | 2 | 61 | N | 3d |
| Nem.260 | 4,190 | 1,480 | 2 | - | - | 86 | NA | NA |
| Nem.261 | 4,565 | 2,183 | 4 | 3 | 3 | 53 | NA | NA |
| Nem.262 | 3,371 | - | - | - | - |  | NA | NA |
| Nem.263 | 21,696 | 13,772 | 7 | 6 | 5 | 82 | Y | 2 |
| Nem.264 | 19,758 | 10,709 | 5 | 4 | 2 | 84 | Y | 2 |
| Nem.265 | 23,164 | 12,702 | 3 | 3 | 2 | 85 | Y | 1 |
| Nem.267 | 25,100 | 13,152 | 4 | 4 | 4 | 83 | Y | 2 |
| Nem.268 | 16,319 | 9,758 | 5 | 4 | 3 | 79 | Y | 2 |
| Nem.269 | 20,182 | 8,980 | 10 | 9 | 8 | 59 | Y | 4 |
| Nem.270 | 24,852 | 15,658 | 6 | 6 | 4 | 76 | Y | 2 |
| Nem.271 | 14,119 | 9,146 | 6 | 4 | 2 | 84 | Y | 2 |
| Nem.272 | 21,527 | 12,157 | 16 | 15 | 13 | 41 | N | 3c |
| Nem.273 | 16,721 | 8,641 | 16 | 13 | 13 | 42 | Y | 3c |
| Nem.274 | 6,567 | 1,843 | 3 | 3 | 3 | 59 | N | 3c |
| Nem.275 | 23,084 | 13,978 | 8 | 5 | 4 | 73 | Y | 4 |
| Nem.276 | 18,295 | 10,274 | 15 | 13 | 10 | 44 | N | 3c |
| Nem.277 | 29,287 | 18,086 | 28 | 25 | 13 | 44 | N | 3c |
| Nem.278 | 31,329 | 18,298 | 8 | 8 | 7 | 74 | Y | 4 |
| Nem.279 | 19,255 | 10,568 | 15 | 11 | 9 | 57 | Y | 4 |
| Nem.280 | 24,038 | 16,309 | 10 | 8 | 6 | 71 | Y | 4 |
| Nem.281 | 467,455 | 255,702 | 39 | 37 | 15 | 40 | Y | 4 |
| Nem.282 | 23,677 | 13,900 | 9 | 7 | 5 | 73 | Y | 4 |
| Nem.283 | 11,563 | 5,559 | 6 | 2 | 2 | 42 | N | 3d |
| Nem.284 | 1,732 | 298 | 2 | 2 | 2 | 77 | Y | 2 |
| Nem.285 | 28,950 | 14,930 | 8 | 7 | 4 | 79 | Y | 2 |
| Nem.286 | 15,675 | 9,288 | 6 | 6 | 5 | 54 | Y | 4 |
| Nem.287 | 17,912 | 10,927 | 7 | 4 | 4 | 39 | Y | 4 |
| Nem.288 | 13,750 | 7,904 | 9 | 3 | 3 | 52 | Y | 3b |
| Nem.289 | 34,160 | 21,273 | 10 | 8 | 2 | 79 | Y | 2 |
| Nem.290 | 39,420 | 24,462 | 10 | 8 | 4 | 72 | Y | 4 |
| Nem.291 | 36,755 | 21,806 | 7 | 5 | 3 | 82 | Y | 2 |
| Nem.292 | 25,295 | 13,664 | 9 | 9 | 9 | 66 | Y | 4 |
| Nem.293 | 3,423 | - | - | - | - |  | NA | NA |
| Nem.294 | 4,323 | 1,528 | 2 | 2 | 2 | 82 | NA | NA |
| NegCtrl1 | 6,219 | 2,486 | 12 | 7 | 7 | 40 | NA | NA |
| NegCtrl2 | 10,443 | 1,672 | 3 | 1 | 1 | 97 | NA | NA |
| NegCtrl3 | 2,732 | 103 | 4 | 1 | 1 | 37 | NA | NA |
| NegCtrl4 | 2,413 | 111 | 1 | - | - | 100 | NA | NA |
| NegCtrl5 | 17,220 | 10,466 | 20 | 17 | 15 | 47 | NA | NA |
| ZymoCtrl1 | 7,730 | 4,401 | 3 | - | - | 57 | NA | NA |
| ZymoCtrl2 | 24,778 | 13,771 | 5 | 2 | - | 57 | NA | NA |
| ZymoCtrl3 | 8,591 | 5,010 | 3 | - | - | 57 | NA | NA |
| ZymoCtrl4 | 4,869 | 2,793 | 3 | - | - | 57 | NA | NA |
| ZymoCtrl5 | 18,928 | 10,840 | 4 | 1 | - | 57 | NA | NA |

1 Number of reads retained by DADA2. ASVs were assigned at 100% identity thresholds.

2 Number of ASVs predicted from 18S rRNA sequences associated to marine single nematodes.

3 Number of ASVs matching the phylum Nematoda.

4 Number of ASVs matching the phylum Nematoda and with ≥ 1% relative abundance (RA %).

5 Relative abundance of dominant ASV.

6 Taxonomic assignment of the dominant ASV; matching (Y: Yes) our nematode morphospecies, otherwise (N: No).

7 Classification of samples into categories were based on ASV profiles produced with DADA2 (see Material and Methods section and Table 1 for additional details).