# MUSTv2: an improved *de novo* detection program for recently active miniature inverted repeat transposable elements (MITEs)

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## Supplementary Table S1

50 copies of the three known MITEs, *i.e.* Chunjie, mPing, and Nezha, are randomly inserted into the chromosome of E. coli K12 MG1655 (chromosome ID: NC\_000913.2). Column "Pos" is the actual position in the chromosome NC\_000913.2 where the simulated insertion occurs. Since the major features of a MITE are TIRs and DRs, where exist no matter which strand it is on, all the insertions occur in the positive strand.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#Chr** | **RawID** | **MITE-name** | **Start** | **End** | **Pos** | **MITELength** | **TSDLength** |
| EcoliK12MG1655 | Chunjie|2 | Chunjie | 18272 | 18490 | 18262 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|25 | Chunjie | 42686 | 42904 | 42439 | 219 | 9 |
| EcoliK12MG1655 | Nezha|45 | Nezha | 55097 | 55234 | 54612 | 138 | 10 |
| EcoliK12MG1655 | mPing|35 | mPing | 108904 | 109333 | 108268 | 430 | 3 |
| EcoliK12MG1655 | mPing|17 | mPing | 160931 | 161360 | 159859 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|26 | Chunjie | 254893 | 255111 | 253379 | 219 | 9 |
| EcoliK12MG1655 | Nezha|3 | Nezha | 300431 | 300568 | 298679 | 138 | 10 |
| EcoliK12MG1655 | mPing|30 | mPing | 307243 | 307672 | 305340 | 430 | 3 |
| EcoliK12MG1655 | Nezha|10 | Nezha | 361883 | 362020 | 359537 | 138 | 10 |
| EcoliK12MG1655 | mPing|33 | mPing | 384198 | 384627 | 381701 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|44 | Chunjie | 397883 | 398101 | 394944 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|39 | Chunjie | 422495 | 422713 | 419319 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|30 | Chunjie | 426968 | 427186 | 423555 | 219 | 9 |
| EcoliK12MG1655 | mPing|28 | mPing | 428432 | 428861 | 424788 | 430 | 3 |
| EcoliK12MG1655 | Nezha|37 | Nezha | 430670 | 430807 | 426583 | 138 | 10 |
| EcoliK12MG1655 | mPing|27 | mPing | 434315 | 434744 | 430077 | 430 | 3 |
| EcoliK12MG1655 | Nezha|0 | Nezha | 489544 | 489681 | 484863 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|47 | Chunjie | 509805 | 510023 | 504967 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|11 | Chunjie | 518517 | 518735 | 513442 | 219 | 9 |
| EcoliK12MG1655 | mPing|8 | mPing | 542180 | 542609 | 536874 | 430 | 3 |
| EcoliK12MG1655 | mPing|25 | mPing | 549184 | 549613 | 543442 | 430 | 3 |
| EcoliK12MG1655 | Nezha|31 | Nezha | 590647 | 590784 | 584462 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|0 | Chunjie | 643121 | 643339 | 636779 | 219 | 9 |
| EcoliK12MG1655 | Nezha|20 | Nezha | 692438 | 692575 | 685858 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|32 | Chunjie | 811482 | 811700 | 804745 | 219 | 9 |
| EcoliK12MG1655 | Nezha|27 | Nezha | 874999 | 875136 | 868024 | 138 | 10 |
| EcoliK12MG1655 | Nezha|32 | Nezha | 928474 | 928611 | 921341 | 138 | 10 |
| EcoliK12MG1655 | Nezha|26 | Nezha | 928810 | 928947 | 921519 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|33 | Chunjie | 949818 | 950036 | 942370 | 219 | 9 |
| EcoliK12MG1655 | Nezha|22 | Nezha | 961853 | 961990 | 954167 | 138 | 10 |
| EcoliK12MG1655 | Nezha|24 | Nezha | 966817 | 966954 | 958973 | 138 | 10 |
| EcoliK12MG1655 | Nezha|28 | Nezha | 971695 | 971832 | 963693 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|28 | Chunjie | 1003876 | 1004094 | 995717 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|45 | Chunjie | 1074240 | 1074458 | 1065844 | 219 | 9 |
| EcoliK12MG1655 | mPing|12 | mPing | 1075777 | 1076206 | 1067150 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|22 | Chunjie | 1104157 | 1104375 | 1095088 | 219 | 9 |
| EcoliK12MG1655 | Nezha|46 | Nezha | 1145617 | 1145754 | 1136310 | 138 | 10 |
| EcoliK12MG1655 | mPing|41 | mPing | 1162829 | 1163258 | 1153371 | 430 | 3 |
| EcoliK12MG1655 | Nezha|42 | Nezha | 1169080 | 1169217 | 1159179 | 138 | 10 |
| EcoliK12MG1655 | Nezha|47 | Nezha | 1233079 | 1233216 | 1223020 | 138 | 10 |
| EcoliK12MG1655 | mPing|26 | mPing | 1329690 | 1330119 | 1319480 | 430 | 3 |
| EcoliK12MG1655 | mPing|5 | mPing | 1353466 | 1353895 | 1342820 | 430 | 3 |
| EcoliK12MG1655 | mPing|37 | mPing | 1415225 | 1415654 | 1404143 | 430 | 3 |
| EcoliK12MG1655 | mPing|21 | mPing | 1431342 | 1431771 | 1419824 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|34 | Chunjie | 1460550 | 1460768 | 1448590 | 219 | 9 |
| EcoliK12MG1655 | Nezha|21 | Nezha | 1493937 | 1494074 | 1481739 | 138 | 10 |
| EcoliK12MG1655 | Nezha|1 | Nezha | 1523994 | 1524131 | 1511638 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|49 | Chunjie | 1534958 | 1535176 | 1522445 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|7 | Chunjie | 1600023 | 1600241 | 1587273 | 219 | 9 |
| EcoliK12MG1655 | Nezha|13 | Nezha | 1642406 | 1642543 | 1629418 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|29 | Chunjie | 1739375 | 1739593 | 1726230 | 219 | 9 |
| EcoliK12MG1655 | Nezha|30 | Nezha | 1754926 | 1755063 | 1741543 | 138 | 10 |
| EcoliK12MG1655 | Nezha|23 | Nezha | 1803313 | 1803450 | 1789772 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|1 | Chunjie | 1807515 | 1807733 | 1793817 | 219 | 9 |
| EcoliK12MG1655 | mPing|9 | mPing | 1815803 | 1816232 | 1801874 | 430 | 3 |
| EcoliK12MG1655 | Nezha|33 | Nezha | 1941266 | 1941403 | 1926894 | 138 | 10 |
| EcoliK12MG1655 | mPing|18 | mPing | 1963695 | 1964124 | 1949172 | 430 | 3 |
| EcoliK12MG1655 | mPing|10 | mPing | 2040146 | 2040575 | 2025187 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|18 | Chunjie | 2071907 | 2072125 | 2056506 | 219 | 9 |
| EcoliK12MG1655 | mPing|19 | mPing | 2074593 | 2075022 | 2058961 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|46 | Chunjie | 2088790 | 2089008 | 2072716 | 219 | 9 |
| EcoliK12MG1655 | Nezha|25 | Nezha | 2122456 | 2122593 | 2106144 | 138 | 10 |
| EcoliK12MG1655 | Nezha|2 | Nezha | 2180548 | 2180685 | 2164078 | 138 | 10 |
| EcoliK12MG1655 | mPing|47 | mPing | 2183567 | 2183996 | 2166946 | 430 | 3 |
| EcoliK12MG1655 | mPing|49 | mPing | 2215889 | 2216318 | 2198832 | 430 | 3 |
| EcoliK12MG1655 | Nezha|8 | Nezha | 2238575 | 2238712 | 2221075 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|24 | Chunjie | 2250341 | 2250559 | 2232684 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|4 | Chunjie | 2257885 | 2258103 | 2239991 | 219 | 9 |
| EcoliK12MG1655 | Nezha|39 | Nezha | 2261655 | 2261792 | 2243523 | 138 | 10 |
| EcoliK12MG1655 | mPing|34 | mPing | 2273958 | 2274387 | 2255675 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|35 | Chunjie | 2284175 | 2284393 | 2265450 | 219 | 9 |
| EcoliK12MG1655 | Nezha|43 | Nezha | 2323366 | 2323503 | 2304403 | 138 | 10 |
| EcoliK12MG1655 | mPing|15 | mPing | 2331834 | 2332263 | 2312720 | 430 | 3 |
| EcoliK12MG1655 | Nezha|4 | Nezha | 2348661 | 2348798 | 2329104 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|42 | Chunjie | 2350397 | 2350615 | 2330683 | 219 | 9 |
| EcoliK12MG1655 | Nezha|36 | Nezha | 2366069 | 2366206 | 2346117 | 138 | 10 |
| EcoliK12MG1655 | mPing|1 | mPing | 2373435 | 2373864 | 2353332 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|5 | Chunjie | 2403205 | 2403423 | 2382660 | 219 | 9 |
| EcoliK12MG1655 | Nezha|48 | Nezha | 2444601 | 2444738 | 2423818 | 138 | 10 |
| EcoliK12MG1655 | Nezha|41 | Nezha | 2498280 | 2498417 | 2477339 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|19 | Chunjie | 2539300 | 2539518 | 2518202 | 219 | 9 |
| EcoliK12MG1655 | mPing|45 | mPing | 2623072 | 2623501 | 2601743 | 430 | 3 |
| EcoliK12MG1655 | mPing|2 | mPing | 2645422 | 2645851 | 2623657 | 430 | 3 |
| EcoliK12MG1655 | Nezha|18 | Nezha | 2676775 | 2676912 | 2654567 | 138 | 10 |
| EcoliK12MG1655 | Nezha|19 | Nezha | 2701793 | 2701930 | 2679427 | 138 | 10 |
| EcoliK12MG1655 | Nezha|15 | Nezha | 2722016 | 2722153 | 2699492 | 138 | 10 |
| EcoliK12MG1655 | Nezha|12 | Nezha | 2760732 | 2760869 | 2738050 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|3 | Chunjie | 2781736 | 2781954 | 2758897 | 219 | 9 |
| EcoliK12MG1655 | Nezha|38 | Nezha | 2796813 | 2796950 | 2773736 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|27 | Chunjie | 2847190 | 2847408 | 2823956 | 219 | 9 |
| EcoliK12MG1655 | Nezha|14 | Nezha | 2880410 | 2880547 | 2856938 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|48 | Chunjie | 2910214 | 2910432 | 2886585 | 219 | 9 |
| EcoliK12MG1655 | mPing|7 | mPing | 2922741 | 2923170 | 2898881 | 430 | 3 |
| EcoliK12MG1655 | mPing|31 | mPing | 2953731 | 2954160 | 2929435 | 430 | 3 |
| EcoliK12MG1655 | mPing|24 | mPing | 2966877 | 2967306 | 2942145 | 430 | 3 |
| EcoliK12MG1655 | Nezha|44 | Nezha | 2979041 | 2979178 | 2953866 | 138 | 10 |
| EcoliK12MG1655 | Nezha|9 | Nezha | 3013896 | 3014033 | 2988563 | 138 | 10 |
| EcoliK12MG1655 | mPing|0 | mPing | 3016044 | 3016473 | 2990560 | 430 | 3 |
| EcoliK12MG1655 | mPing|48 | mPing | 3017895 | 3018324 | 2991975 | 430 | 3 |
| EcoliK12MG1655 | mPing|39 | mPing | 3021369 | 3021798 | 2995013 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|43 | Chunjie | 3028346 | 3028564 | 3001548 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|6 | Chunjie | 3067678 | 3067896 | 3040643 | 219 | 9 |
| EcoliK12MG1655 | mPing|46 | mPing | 3109055 | 3109484 | 3081789 | 430 | 3 |
| EcoliK12MG1655 | mPing|44 | mPing | 3137672 | 3138101 | 3109970 | 430 | 3 |
| EcoliK12MG1655 | mPing|3 | mPing | 3189691 | 3190120 | 3161553 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|10 | Chunjie | 3217667 | 3217885 | 3189087 | 219 | 9 |
| EcoliK12MG1655 | Nezha|49 | Nezha | 3233253 | 3233390 | 3204435 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|13 | Chunjie | 3238599 | 3238817 | 3209624 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|38 | Chunjie | 3277873 | 3278091 | 3248661 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|17 | Chunjie | 3287371 | 3287589 | 3257922 | 219 | 9 |
| EcoliK12MG1655 | mPing|6 | mPing | 3294528 | 3294957 | 3264848 | 430 | 3 |
| EcoliK12MG1655 | Nezha|5 | Nezha | 3308503 | 3308640 | 3278380 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|40 | Chunjie | 3311945 | 3312163 | 3281665 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|9 | Chunjie | 3345673 | 3345891 | 3315156 | 219 | 9 |
| EcoliK12MG1655 | mPing|4 | mPing | 3391410 | 3391839 | 3360662 | 430 | 3 |
| EcoliK12MG1655 | Nezha|34 | Nezha | 3404186 | 3404323 | 3372995 | 138 | 10 |
| EcoliK12MG1655 | mPing|20 | mPing | 3420950 | 3421379 | 3389608 | 430 | 3 |
| EcoliK12MG1655 | Nezha|40 | Nezha | 3442580 | 3442717 | 3410795 | 138 | 10 |
| EcoliK12MG1655 | Nezha|6 | Nezha | 3499176 | 3499313 | 3467233 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|36 | Chunjie | 3535159 | 3535377 | 3503059 | 219 | 9 |
| EcoliK12MG1655 | Nezha|11 | Nezha | 3542390 | 3542527 | 3510052 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|16 | Chunjie | 3567690 | 3567908 | 3535195 | 219 | 9 |
| EcoliK12MG1655 | mPing|16 | mPing | 3614137 | 3614566 | 3581411 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|31 | Chunjie | 3639880 | 3640098 | 3606712 | 219 | 9 |
| EcoliK12MG1655 | mPing|11 | mPing | 3642088 | 3642517 | 3608689 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|20 | Chunjie | 3679206 | 3679424 | 3645365 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|15 | Chunjie | 3703834 | 3704052 | 3669756 | 219 | 9 |
| EcoliK12MG1655 | mPing|32 | mPing | 3843203 | 3843632 | 3808894 | 430 | 3 |
| EcoliK12MG1655 | mPing|43 | mPing | 3855627 | 3856056 | 3820882 | 430 | 3 |
| EcoliK12MG1655 | mPing|42 | mPing | 3928201 | 3928630 | 3893020 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|14 | Chunjie | 3964376 | 3964594 | 3928753 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|23 | Chunjie | 3986927 | 3987145 | 3951067 | 219 | 9 |
| EcoliK12MG1655 | mPing|14 | mPing | 4043939 | 4044368 | 4007848 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|41 | Chunjie | 4071141 | 4071359 | 4034608 | 219 | 9 |
| EcoliK12MG1655 | Nezha|29 | Nezha | 4086305 | 4086442 | 4049534 | 138 | 10 |
| EcoliK12MG1655 | mPing|23 | mPing | 4125071 | 4125500 | 4088149 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|8 | Chunjie | 4151125 | 4151343 | 4113761 | 219 | 9 |
| EcoliK12MG1655 | mPing|22 | mPing | 4228403 | 4228832 | 4190808 | 430 | 3 |
| EcoliK12MG1655 | mPing|36 | mPing | 4229387 | 4229816 | 4191356 | 430 | 3 |
| EcoliK12MG1655 | mPing|40 | mPing | 4265590 | 4266019 | 4227123 | 430 | 3 |
| EcoliK12MG1655 | Chunjie|21 | Chunjie | 4295878 | 4296096 | 4256969 | 219 | 9 |
| EcoliK12MG1655 | mPing|29 | mPing | 4315277 | 4315706 | 4276137 | 430 | 3 |
| EcoliK12MG1655 | Nezha|7 | Nezha | 4316532 | 4316669 | 4276949 | 138 | 10 |
| EcoliK12MG1655 | Chunjie|37 | Chunjie | 4344914 | 4345132 | 4305174 | 219 | 9 |
| EcoliK12MG1655 | Chunjie|12 | Chunjie | 4367849 | 4368067 | 4327872 | 219 | 9 |
| EcoliK12MG1655 | Nezha|35 | Nezha | 4409275 | 4409412 | 4369060 | 138 | 10 |
| EcoliK12MG1655 | mPing|38 | mPing | 4514864 | 4515293 | 4474498 | 430 | 3 |
| EcoliK12MG1655 | Nezha|17 | Nezha | 4537710 | 4537847 | 4496901 | 138 | 10 |
| EcoliK12MG1655 | Nezha|16 | Nezha | 4563971 | 4564108 | 4523004 | 138 | 10 |
| EcoliK12MG1655 | mPing|13 | mPing | 4568669 | 4569098 | 4527551 | 430 | 3 |

## Supplementary Table S2

There are 136 DNA miniature elements with at least 10 full copies recovered in the rice genome. The full copy detection sensitivities of the two tools MITE-Hunter and MUSTv2 were calculated in the following table. The minimum full copy number 10 is facilitated for the statistical meaningfulness of the calculated sensitivity, and specificity is not calculated, due to that there is no commonly recognized negative dataset. Column "Repeat" is the name of the repeat, "Group" is the repeat group name. The columns "RepeatMasker", "MITE-Hunter" and "MUSTv2" are the full copy numbers of this repeat in the rice genome detected by the tool RepeatMasker, MITE-Hunter and MUSTv2, respectively. The percentile distributions of the two tools MITE-Hunter and MUSTv2 may be found in the Supplementary Figure S2, after this table.

| **#Repeat** | **Group** | **RepeatMasker** | **MITE-Hunter** | **MUSTv2** |
| --- | --- | --- | --- | --- |
| AMYLTP |  | 211 | 209 | 20 |
| BUHUI | Tourist | 162 | 152 | 13 |
| CASGRANDA | Tourist | 16 | 0 | 2 |
| CASLET | Tourist | 30 | 8 | 9 |
| CASTAWAY | Tourist | 824 | 575 | 204 |
| CASTAWAY-3 | Tourist | 29 | 26 | 2 |
| CENTRE | Tourist | 11 | 3 | 1 |
| CLOUD-3 | MuDR | 97 | 0 | 9 |
| CLOUD-4 | MuDR | 146 | 0 | 13 |
| CLOUD-6 | MuDR | 63 | 0 | 3 |
| CLOUD-7 | MuDR | 69 | 0 | 1 |
| COWARD | Tourist | 206 | 144 | 20 |
| COWARD-3 | Tourist | 564 | 456 | 118 |
| DEBOAT | hAT | 72 | 71 | 25 |
| DELAY | hAT | 57 | 55 | 8 |
| DITAILA | Tourist | 95 | 0 | 5 |
| DITTO | Tourist | 1702 | 61 | 181 |
| DITTO-2 | Tourist | 187 | 2 | 22 |
| DITTO3 | Tourist | 393 | 37 | 29 |
| DS-RICE3N | hAT-Ac | 57 | 0 | 5 |
| ECR | MuDR | 103 | 101 | 30 |
| ECSR | Tourist | 31 | 0 | 3 |
| Explorer |  | 245 | 0 | 17 |
| F118 | hAT | 157 | 155 | 21 |
| F1275 | Tourist | 37 | 0 | 3 |
| F569 | Tourist | 273 | 221 | 47 |
| F770 | Tourist | 180 | 41 | 54 |
| F804 |  | 115 | 0 | 6 |
| FOCUS | Tourist | 70 | 39 | 4 |
| Gaijin | Tourist | 2165 | 0 | 218 |
| GLUTEL1LIKE | Tourist | 19 | 0 | 1 |
| HELIA | Tourist | 10 | 2 | 1 |
| ID-2 | Tourist | 13 | 0 | 0 |
| ID-3 | Tourist | 147 | 145 | 14 |
| ID-4 | Tourist | 103 | 0 | 10 |
| INDITTO | Tourist | 505 | 500 | 35 |
| JINHUA | hAT-Ac | 89 | 77 | 4 |
| JOUZHEN | hAT-Ac | 17 | 0 | 2 |
| KIDDOA | Tourist | 44 | 21 | 0 |
| KIDDOB | Tourist | 15 | 12 | 2 |
| KIDDOC | Tourist | 15 | 15 | 5 |
| KIDDOD | Tourist | 29 | 24 | 2 |
| MDM1 | MuDR | 85 | 67 | 7 |
| MDM2 | MuDR | 106 | 0 | 4 |
| MERMITE18A | MuDR | 24 | 0 | 1 |
| MPING | Harbinger | 51 | 51 | 48 |
| MUDRN4\_OS | MuDR? | 23 | 0 | 0 |
| MUDRN5\_OS | MuDR | 40 | 40 | 10 |
| NDNA2TNA\_OS | Tourist | 140 | 2 | 16 |
| NONAME | Tourist | 11 | 0 | 2 |
| OLO24 | Tourist | 440 | 327 | 55 |
| OLO24B | Tourist | 211 | 35 | 21 |
| OLO24C | Tourist | 484 | 0 | 26 |
| OSTE18 |  | 67 | 0 | 4 |
| OSTE19 | MuDR | 63 | 0 | 4 |
| OSTE20 | MuDR | 54 | 0 | 6 |
| OSTE23 |  | 78 | 0 | 7 |
| OSTE28 | MuDR | 55 | 53 | 2 |
| OSTE30 | hAT? | 81 | 77 | 12 |
| OSTE9 |  | 49 | 0 | 8 |
| QINNIU | hAT-Tip100 | 13 | 1 | 5 |
| QIQI | Tourist | 46 | 43 | 2 |
| SNAP-OL3 |  | 97 | 0 | 11 |
| STOLA | Tourist | 134 | 134 | 35 |
| STOLAB | Tourist | 88 | 0 | 7 |
| STOWAWAY1\_OS | TcMar-Stowaway | 2757 | 106 | 573 |
| STOWAWAY10\_OS | TcMar-Stowaway | 350 | 330 | 71 |
| STOWAWAY11\_OS | TcMar-Stowaway | 461 | 0 | 158 |
| STOWAWAY12\_OS | TcMar-Stowaway | 249 | 0 | 87 |
| STOWAWAY13\_OS | TcMar-Stowaway | 369 | 364 | 68 |
| STOWAWAY14\_OS | TcMar-Stowaway | 35 | 0 | 8 |
| STOWAWAY15\_OS | TcMar-Stowaway | 35 | 10 | 3 |
| STOWAWAY15-2\_OS | TcMar-Stowaway | 134 | 53 | 13 |
| STOWAWAY16\_OS | TcMar-Stowaway | 19 | 16 | 5 |
| STOWAWAY17\_OS | TcMar-Stowaway | 598 | 172 | 141 |
| STOWAWAY18\_OS | TcMar-Stowaway | 180 | 123 | 55 |
| STOWAWAY2\_OS | TcMar-Stowaway | 1181 | 34 | 338 |
| STOWAWAY20\_OS | TcMar-Stowaway | 55 | 55 | 10 |
| STOWAWAY21\_OS | TcMar-Stowaway | 1253 | 0 | 207 |
| STOWAWAY23\_OS | TcMar-Stowaway | 15 | 3 | 0 |
| STOWAWAY24\_OS | TcMar-Stowaway | 11 | 0 | 2 |
| STOWAWAY25\_OS | TcMar-Stowaway | 52 | 28 | 6 |
| STOWAWAY26\_OS | TcMar-Stowaway | 22 | 3 | 2 |
| STOWAWAY29\_OS | TcMar-Stowaway | 28 | 0 | 2 |
| STOWAWAY30-2\_OS | TcMar-Stowaway | 10 | 4 | 2 |
| STOWAWAY31\_OS | TcMar-Stowaway | 15 | 8 | 0 |
| STOWAWAY32\_OS | TcMar-Stowaway | 71 | 65 | 8 |
| STOWAWAY34\_OS | TcMar-Stowaway | 132 | 130 | 16 |
| STOWAWAY35\_OS | TcMar-Stowaway | 80 | 0 | 7 |
| STOWAWAY36\_OS | TcMar-Stowaway | 134 | 130 | 30 |
| STOWAWAY40\_OS | TcMar-Stowaway | 15 | 0 | 1 |
| STOWAWAY41\_OS | TcMar-Stowaway | 1745 | 0 | 140 |
| STOWAWAY42\_OS | TcMar-Stowaway | 201 | 0 | 14 |
| STOWAWAY43\_OS | TcMar-Stowaway | 563 | 0 | 55 |
| STOWAWAY44\_OS | TcMar-Stowaway | 803 | 0 | 56 |
| STOWAWAY45\_OS | TcMar-Stowaway | 228 | 0 | 20 |
| STOWAWAY46\_OS | TcMar-Stowaway | 505 | 0 | 39 |
| STOWAWAY47\_OS | TcMar-Stowaway | 1253 | 0 | 99 |
| STOWAWAY48\_OS | TcMar-Stowaway | 196 | 0 | 15 |
| STOWAWAY49\_OS | TcMar-Stowaway | 75 | 0 | 8 |
| STOWAWAY50\_OS | TcMar-Stowaway | 499 | 0 | 36 |
| STOWAWAY51\_OS | TcMar-Stowaway | 290 | 0 | 22 |
| STOWAWAY8\_OS | TcMar-Stowaway | 475 | 467 | 42 |
| STOWAWAY9\_OS | TcMar-Stowaway | 1023 | 0 | 287 |
| SUSU | Tourist | 191 | 0 | 96 |
| TAMI2 |  | 110 | 0 | 7 |
| TELIA |  | 144 | 144 | 43 |
| TEOS1 |  | 64 | 25 | 1 |
| TESS | hAT | 173 | 171 | 20 |
| TNR12 | MuDR | 65 | 2 | 7 |
| TNR2A |  | 250 | 0 | 21 |
| TNR8-21 | MuDR | 130 | 117 | 16 |
| TNR9 | hAT-Tip100 | 38 | 35 | 3 |
| TOURIST6\_OS | Tourist | 575 | 0 | 144 |
| TOURIST-XI | Tourist | 169 | 152 | 28 |
| TOURIST-XV | Tourist | 38 | 0 | 1 |
| TRC1 | Tourist | 15 | 14 | 0 |
| TREP215 | TcMar-Stowaway | 2687 | 13 | 655 |
| TREP219 | TcMar-Stowaway | 300 | 0 | 25 |
| TREP220 | TcMar-Stowaway | 173 | 0 | 14 |
| TYPEG | MuDR? | 90 | 86 | 12 |
| TYPEH |  | 293 | 0 | 85 |
| TYPEM |  | 573 | 0 | 203 |
| TYPEU |  | 93 | 0 | 6 |
| TYPEU1 |  | 94 | 0 | 3 |
| TYPEU2 |  | 41 | 0 | 1 |
| TYPEU3 |  | 11 | 0 | 0 |
| TYPEU4 |  | 139 | 0 | 8 |
| UNIQUE |  | 464 | 0 | 54 |
| WANDERER\_OS | Tourist | 633 | 0 | 79 |
| WUJI | Tourist | 20 | 0 | 1 |
| WUWU | MuDR | 29 | 0 | 0 |
| XIKE | MuDR | 28 | 2 | 4 |
| YOUREN | Tourist | 286 | 286 | 81 |
| ZM13-1\_OS | Tourist | 80 | 0 | 4 |
| ZM13-2\_OS | Tourist | 60 | 0 | 6 |