

Additional file 2 Occurrence of SSRs in analyzed virus genomes

| No. Type | Genome size (bp) | Mono- | Di- | Tri- | Tetra- | Penta- | Hexa- | Total |
|--------------|------------------|-------|------|------|--------|--------|-------|-------|
| S1-dsDNA-1 | 168903 | 191 | 211 | 67 | 1 | 1 | 1 | 472 |
| S2-dsDNA-2 | 94800 | 139 | 129 | 33 | 0 | 0 | 0 | 301 |
| S3-dsDNA-3 | 33593 | 73 | 61 | 15 | 1 | 0 | 0 | 150 |
| S4-dsDNA-4 | 36717 | 55 | 36 | 8 | 0 | 0 | 0 | 99 |
| S5-dsDNA-5 | 132562 | 149 | 255 | 37 | 0 | 0 | 0 | 441 |
| S6-dsDNA-6 | 48502 | 83 | 72 | 19 | 0 | 0 | 0 | 174 |
| S7-dsDNA-7 | 48836 | 66 | 63 | 16 | 1 | 0 | 0 | 146 |
| S8-dsDNA-8 | 121750 | 100 | 203 | 46 | 1 | 0 | 0 | 350 |
| S9-dsDNA-9 | 22172 | 64 | 37 | 15 | 1 | 0 | 0 | 117 |
| S10-dsDNA-10 | 52297 | 13 | 46 | 27 | 1 | 0 | 0 | 87 |
| S11-dsDNA-11 | 46375 | 72 | 59 | 18 | 0 | 1 | 0 | 150 |
| S12-dsDNA-12 | 41491 | 11 | 102 | 20 | 0 | 0 | 0 | 133 |
| S13-dsDNA-13 | 39937 | 1 | 62 | 12 | 0 | 0 | 0 | 75 |
| S14-dsDNA-14 | 19282 | 5 | 35 | 6 | 0 | 0 | 0 | 46 |
| S15-dsDNA-15 | 41724 | 46 | 53 | 21 | 0 | 0 | 0 | 120 |
| S16-dsDNA-16 | 70153 | 25 | 61 | 38 | 2 | 0 | 0 | 126 |
| S17-dsDNA-17 | 14927 | 15 | 4 | 8 | 0 | 0 | 0 | 27 |
| S18-dsDNA-18 | 10079 | 36 | 31 | 8 | 0 | 0 | 0 | 75 |
| S19-dsDNA-19 | 11965 | 21 | 18 | 3 | 0 | 0 | 0 | 42 |
| S20-dsDNA-20 | 40900 | 128 | 108 | 18 | 0 | 0 | 0 | 254 |
| S21-dsDNA-21 | 20869 | 44 | 64 | 7 | 1 | 0 | 0 | 116 |
| S22-dsDNA-22 | 35450 | 193 | 128 | 19 | 0 | 2 | 0 | 342 |
| S23-dsDNA-23 | 15465 | 20 | 36 | 3 | 0 | 0 | 0 | 59 |
| S24-dsDNA-24 | 14462 | 5 | 29 | 0 | 1 | 0 | 0 | 35 |
| S25-dsDNA-25 | 194711 | 495 | 676 | 108 | 5 | 1 | 2 | 1287 |
| S26-dsDNA-26 | 139962 | 50 | 858 | 173 | 20 | 0 | 2 | 1103 |
| S27-dsDNA-27 | 288539 | 724 | 988 | 169 | 10 | 1 | 0 | 1892 |
| S28-dsDNA-28 | 149955 | 1107 | 492 | 115 | 8 | 1 | 1 | 1724 |
| S29-dsDNA-29 | 161773 | 295 | 384 | 60 | 4 | 0 | 0 | 743 |
| S30-dsDNA-30 | 146454 | 536 | 752 | 120 | 8 | 1 | 3 | 1420 |
| S31-dsDNA-31 | 190289 | 123 | 1349 | 157 | 3 | 2 | 3 | 1637 |
| S32-dsDNA-32 | 134721 | 836 | 337 | 66 | 2 | 0 | 0 | 1241 |
| S33-dsDNA-33 | 232392 | 1383 | 1855 | 554 | 22 | 6 | 3 | 3823 |
| S34-dsDNA-34 | 170101 | 787 | 307 | 80 | 6 | 0 | 0 | 1180 |
| S35-dsDNA-35 | 212482 | 1054 | 417 | 186 | 7 | 2 | 1 | 1667 |
| S36-dsDNA-36 | 191100 | 286 | 220 | 122 | 6 | 1 | 1 | 636 |
| S37-dsDNA-37 | 105903 | 90 | 259 | 64 | 0 | 0 | 0 | 413 |
| S38-dsDNA-38 | 102653 | 405 | 205 | 62 | 1 | 2 | 2 | 677 |
| S39-dsDNA-39 | 111362 | 64 | 403 | 78 | 1 | 0 | 0 | 546 |

Additional file 2 Continued

| | | | | | | | | |
|--------------|--------|-----|-----|-----|----|---|----|------|
| S40-dsDNA-40 | 330743 | 822 | 746 | 141 | 2 | 4 | 2 | 1717 |
| S41-dsDNA-41 | 335593 | 489 | 999 | 306 | 11 | 1 | 19 | 1825 |
| S42-dsDNA-42 | 407339 | 768 | 998 | 388 | 13 | 0 | 3 | 2170 |
| S43-dsDNA-43 | 133894 | 306 | 309 | 101 | 4 | 2 | 3 | 725 |
| S44-dsDNA-44 | 123500 | 206 | 436 | 148 | 9 | 1 | 1 | 801 |
| S45-dsDNA-45 | 305107 | 522 | 641 | 555 | 5 | 0 | 8 | 1731 |
| S46-dsDNA-46 | 134226 | 282 | 409 | 78 | 4 | 3 | 2 | 778 |
| S47-dsDNA-47 | 152261 | 663 | 468 | 161 | 19 | 4 | 4 | 1319 |
| S48-dsDNA-48 | 124884 | 283 | 315 | 39 | 5 | 2 | 1 | 645 |
| S49-dsDNA-49 | 177874 | 348 | 442 | 56 | 5 | 2 | 26 | 879 |
| S50-dsDNA-50 | 148687 | 245 | 366 | 60 | 3 | 0 | 0 | 674 |
| S51-dsDNA-51 | 235646 | 343 | 685 | 296 | 2 | 0 | 0 | 1326 |
| S52-dsDNA-52 | 230278 | 239 | 680 | 355 | 18 | 0 | 5 | 1297 |
| S53-dsDNA-53 | 159322 | 497 | 430 | 58 | 1 | 0 | 27 | 1013 |
| S54-dsDNA-54 | 172764 | 420 | 334 | 132 | 5 | 0 | 0 | 891 |
| S55-dsDNA-55 | 112930 | 354 | 309 | 67 | 2 | 0 | 0 | 732 |
| S56-dsDNA-56 | 35937 | 68 | 95 | 42 | 0 | 0 | 1 | 206 |
| S57-dsDNA-57 | 43804 | 47 | 108 | 36 | 0 | 0 | 0 | 191 |
| S58-dsDNA-58 | 29576 | 112 | 45 | 11 | 0 | 0 | 0 | 168 |
| S59-dsDNA-59 | 26163 | 73 | 45 | 11 | 0 | 0 | 0 | 129 |
| S60-dsDNA-60 | 5243 | 21 | 6 | 4 | 0 | 0 | 0 | 31 |
| S61-dsDNA-61 | 7961 | 15 | 32 | 7 | 0 | 0 | 0 | 54 |
| S62-dsDNA-62 | 7746 | 16 | 18 | 3 | 0 | 0 | 0 | 37 |
| S63-dsDNA-63 | 7353 | 9 | 15 | 6 | 0 | 0 | 0 | 30 |
| S64-dsDNA-64 | 8095 | 13 | 15 | 1 | 0 | 0 | 0 | 29 |
| S65-dsDNA-65 | 7841 | 20 | 15 | 6 | 0 | 0 | 0 | 41 |
| S66-dsDNA-66 | 7610 | 27 | 14 | 5 | 0 | 0 | 0 | 46 |
| S67-dsDNA-67 | 7729 | 8 | 8 | 4 | 0 | 0 | 0 | 20 |
| S68-dsDNA-68 | 7304 | 6 | 16 | 3 | 0 | 0 | 0 | 25 |
| S69-dsDNA-69 | 7687 | 10 | 15 | 4 | 0 | 0 | 0 | 29 |
| S70-dsDNA-70 | 7868 | 17 | 10 | 4 | 0 | 0 | 0 | 31 |
| S71-dsDNA-71 | 8607 | 31 | 23 | 5 | 1 | 0 | 0 | 60 |
| S72-dsDNA-72 | 7815 | 11 | 18 | 4 | 0 | 0 | 0 | 33 |
| S73-dsDNA-73 | 7614 | 11 | 14 | 7 | 0 | 0 | 0 | 32 |
| S74-dsDNA-74 | 7276 | 11 | 14 | 7 | 0 | 0 | 0 | 32 |
| S75-dsDNA-75 | 7879 | 11 | 25 | 6 | 0 | 0 | 0 | 42 |
| S76-dsDNA-76 | 246734 | 469 | 495 | 114 | 17 | 3 | 1 | 1099 |
| S77-dsDNA-77 | 156922 | 78 | 354 | 121 | 6 | 0 | 0 | 559 |
| S78-ssDNA-1 | 6407 | 6 | 7 | 5 | 0 | 0 | 0 | 18 |
| S79-ssDNA-2 | 4491 | 16 | 16 | 5 | 0 | 0 | 0 | 37 |
| S80-ssDNA-3 | 5386 | 4 | 4 | 0 | 0 | 0 | 0 | 8 |
| S81-ssDNA-4 | 4421 | 15 | 8 | 1 | 0 | 0 | 0 | 24 |
| S82-ssDNA-5 | 4594 | 15 | 7 | 4 | 0 | 0 | 0 | 26 |

Additional file 2 Continued

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|-----------------|-------|----|----|----|---|---|---|-----|
| S83-ssDNA-6 | 4877 | 6 | 4 | 5 | 0 | 0 | 0 | 15 |
| S84-ssDNA-7 | 2690 | 3 | 5 | 2 | 0 | 0 | 0 | 10 |
| S85-ssDNA-8 | 2994 | 4 | 6 | 5 | 0 | 0 | 0 | 15 |
| S86-ssDNA-9 | 5232 | 4 | 11 | 2 | 0 | 0 | 0 | 17 |
| S87-ssDNA-10 | 2861 | 5 | 7 | 3 | 0 | 0 | 0 | 15 |
| S88-ssDNA-11 | 1758 | 4 | 2 | 2 | 1 | 0 | 0 | 9 |
| S89-ssDNA-12 | 2319 | 17 | 7 | 1 | 0 | 0 | 0 | 25 |
| S90-ssDNA-13 | 3852 | 22 | 13 | 6 | 0 | 0 | 0 | 41 |
| S91-ssDNA-14 | 8024 | 2 | 28 | 10 | 0 | 1 | 0 | 41 |
| S92-ssDNA-15 | 6396 | 7 | 19 | 9 | 0 | 0 | 0 | 35 |
| S93-ssDNA-16 | 5149 | 12 | 12 | 3 | 0 | 0 | 0 | 27 |
| S94-ssDNA-17 | 5594 | 16 | 14 | 2 | 0 | 0 | 0 | 32 |
| S95-ssDNA-18 | 4679 | 2 | 16 | 5 | 4 | 0 | 0 | 27 |
| S96-ssDNA-19 | 4801 | 7 | 17 | 6 | 0 | 0 | 0 | 30 |
| S97-ssDNA-20 | 5517 | 14 | 28 | 5 | 0 | 0 | 0 | 47 |
| S98-ssDNA-21 | 5908 | 7 | 11 | 8 | 0 | 0 | 0 | 26 |
| S99-ssDNA-22 | 5078 | 16 | 18 | 8 | 1 | 0 | 0 | 43 |
| S100-ssDNA-23 | 3776 | 9 | 11 | 4 | 0 | 0 | 0 | 24 |
| S101-ssDNA-24 | 5454 | 6 | 9 | 7 | 0 | 0 | 0 | 22 |
| S102-dsDNA-RT-1 | 3215 | 2 | 7 | 2 | 0 | 0 | 0 | 11 |
| S103-dsDNA-RT-2 | 3027 | 0 | 5 | 4 | 0 | 0 | 0 | 9 |
| S104-dsDNA-RT-3 | 8024 | 8 | 15 | 7 | 0 | 0 | 0 | 30 |
| S105-dsDNA-RT-4 | 8178 | 32 | 12 | 4 | 0 | 0 | 0 | 48 |
| S106-dsDNA-RT-5 | 8159 | 36 | 27 | 11 | 1 | 0 | 0 | 75 |
| S107-dsDNA-RT-6 | 8002 | 16 | 21 | 4 | 0 | 0 | 0 | 41 |
| S108-dsDNA-RT-7 | 7489 | 1 | 10 | 7 | 0 | 0 | 0 | 18 |
| S109-dsDNA-RT-8 | 7206 | 13 | 10 | 4 | 0 | 0 | 0 | 27 |
| S110-ssRNA-RT-1 | 8805 | 12 | 16 | 3 | 1 | 0 | 0 | 32 |
| S111-ssRNA-RT-2 | 8282 | 11 | 16 | 2 | 0 | 0 | 0 | 29 |
| S112-ssRNA-RT-3 | 7286 | 5 | 23 | 3 | 0 | 0 | 0 | 31 |
| S113-ssRNA-RT-4 | 8419 | 22 | 26 | 2 | 0 | 0 | 0 | 50 |
| S114-ssRNA-RT-5 | 9181 | 21 | 32 | 12 | 0 | 0 | 0 | 65 |
| S115-ssRNA-RT-6 | 12708 | 20 | 22 | 7 | 1 | 0 | 0 | 50 |
| S116-ssRNA-RT-7 | 13246 | 12 | 30 | 10 | 0 | 0 | 1 | 53 |
| S117-dsRNA-1 | 13385 | 4 | 29 | 5 | 0 | 0 | 0 | 38 |
| S118-dsRNA-2 | 23564 | 6 | 47 | 8 | 0 | 0 | 0 | 61 |
| S119-dsRNA-3 | 19208 | 21 | 45 | 11 | 0 | 0 | 0 | 77 |
| S120-dsRNA-4 | 17448 | 27 | 39 | 8 | 0 | 0 | 0 | 74 |
| S121-dsRNA-5 | 29174 | 16 | 63 | 16 | 1 | 0 | 0 | 96 |
| S122-dsRNA-6 | 23015 | 15 | 43 | 9 | 0 | 0 | 0 | 67 |
| S123-dsRNA-7 | 24732 | 1 | 64 | 7 | 0 | 0 | 0 | 72 |
| S124-dsRNA-8 | 29339 | 55 | 52 | 18 | 0 | 0 | 0 | 125 |
| S125-dsRNA-9 | 25709 | 16 | 47 | 13 | 0 | 0 | 0 | 76 |

Additional file 2 Continued

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|-----------------|-------|----|----|----|---|---|---|-----|
| S126-dsRNA-10 | 26164 | 4 | 61 | 9 | 0 | 0 | 0 | 74 |
| S127-dsRNA-11 | 20682 | 5 | 30 | 10 | 0 | 0 | 0 | 45 |
| S128-dsRNA-12 | 23433 | 4 | 46 | 8 | 1 | 0 | 0 | 59 |
| S129-dsRNA-13 | 5881 | 5 | 13 | 3 | 0 | 0 | 0 | 21 |
| S130-dsRNA-14 | 5898 | 1 | 10 | 2 | 0 | 0 | 0 | 13 |
| S131-dsRNA-15 | 6603 | 7 | 10 | 1 | 0 | 0 | 0 | 18 |
| S132-dsRNA-16 | 4579 | 1 | 9 | 1 | 0 | 0 | 0 | 11 |
| S133-dsRNA-17 | 6277 | 7 | 12 | 2 | 0 | 0 | 0 | 21 |
| S134-dsRNA-18 | 5284 | 6 | 14 | 3 | 0 | 0 | 0 | 23 |
| S135-dsRNA-19 | 6105 | 10 | 12 | 3 | 0 | 0 | 0 | 25 |
| S136-dsRNA-20 | 3663 | 2 | 8 | 1 | 0 | 0 | 0 | 11 |
| S137-dsRNA-21 | 12640 | 17 | 23 | 15 | 0 | 0 | 0 | 55 |
| S138-dsRNA-22 | 12734 | 2 | 18 | 5 | 0 | 0 | 0 | 25 |
| S139-dsRNA-23 | 17635 | 23 | 41 | 9 | 0 | 0 | 0 | 73 |
| S140(-)ssRNA-1 | 8910 | 10 | 17 | 2 | 0 | 0 | 0 | 29 |
| S141(-)ssRNA-2 | 11161 | 19 | 25 | 3 | 0 | 0 | 0 | 47 |
| S142(-)ssRNA-3 | 11932 | 21 | 34 | 2 | 0 | 0 | 0 | 57 |
| S143(-)ssRNA-4 | 14900 | 41 | 37 | 8 | 1 | 0 | 0 | 87 |
| S144(-)ssRNA-5 | 12807 | 9 | 38 | 8 | 0 | 0 | 0 | 55 |
| S145(-)ssRNA-6 | 12020 | 6 | 28 | 9 | 0 | 0 | 0 | 43 |
| S146(-)ssRNA-7 | 11131 | 20 | 22 | 11 | 0 | 0 | 0 | 53 |
| S147(-)ssRNA-8 | 19111 | 23 | 37 | 3 | 0 | 0 | 0 | 63 |
| S148(-)ssRNA-9 | 18959 | 26 | 38 | 6 | 2 | 0 | 0 | 72 |
| S149(-)ssRNA-10 | 15384 | 5 | 38 | 4 | 0 | 0 | 0 | 47 |
| S150(-)ssRNA-11 | 15894 | 24 | 27 | 4 | 0 | 0 | 0 | 55 |
| S151(-)ssRNA-12 | 15384 | 20 | 39 | 1 | 0 | 0 | 0 | 60 |
| S152(-)ssRNA-13 | 18234 | 15 | 44 | 9 | 0 | 0 | 0 | 68 |
| S153(-)ssRNA-14 | 15186 | 22 | 37 | 4 | 0 | 0 | 0 | 63 |
| S154(-)ssRNA-15 | 15225 | 37 | 38 | 5 | 0 | 0 | 0 | 80 |
| S155(-)ssRNA-16 | 14071 | 27 | 44 | 10 | 0 | 0 | 0 | 81 |
| S156(-)ssRNA-17 | 12878 | 17 | 49 | 8 | 0 | 0 | 0 | 74 |
| S157(-)ssRNA-18 | 11278 | 31 | 32 | 9 | 0 | 0 | 0 | 72 |
| S158(-)ssRNA-19 | 13460 | 8 | 39 | 6 | 0 | 0 | 0 | 53 |
| S159(-)ssRNA-20 | 12555 | 20 | 30 | 6 | 0 | 0 | 0 | 56 |
| S160(-)ssRNA-21 | 10461 | 9 | 37 | 4 | 0 | 0 | 0 | 50 |
| S161(-)ssRNA-22 | 14452 | 15 | 22 | 9 | 1 | 0 | 0 | 47 |
| S162(-)ssRNA-23 | 12716 | 7 | 34 | 10 | 1 | 0 | 0 | 52 |
| S163(-)ssRNA-24 | 12294 | 17 | 37 | 11 | 1 | 0 | 0 | 66 |
| S164(-)ssRNA-25 | 11845 | 19 | 34 | 15 | 1 | 0 | 0 | 69 |
| S165(-)ssRNA-26 | 18859 | 40 | 38 | 9 | 0 | 0 | 0 | 87 |
| S166(-)ssRNA-27 | 11979 | 8 | 36 | 13 | 0 | 0 | 0 | 57 |
| S167(-)ssRNA-28 | 16634 | 59 | 37 | 8 | 0 | 2 | 0 | 106 |
| S168(-)ssRNA-29 | 17145 | 28 | 62 | 6 | 0 | 0 | 0 | 96 |

Additional file 2 Continued

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|------------------|-------|----|----|---|---|---|---|----|
| S169-(-)ssRNA-30 | 10056 | 10 | 18 | 1 | 0 | 0 | 0 | 29 |
| S170-(-)ssRNA-31 | 1682 | 6 | 5 | 1 | 0 | 0 | 0 | 12 |
| S171-(+)ssRNA-1 | 3569 | 2 | 6 | 0 | 0 | 0 | 0 | 8 |
| S172-(+)ssRNA-2 | 4215 | 2 | 4 | 2 | 0 | 0 | 0 | 8 |
| S173-(+)ssRNA-3 | 2514 | 3 | 3 | 1 | 0 | 0 | 0 | 7 |
| S174-(+)ssRNA-4 | 2728 | 0 | 7 | 0 | 0 | 0 | 0 | 7 |
| S175-(+)ssRNA-5 | 7440 | 3 | 15 | 3 | 0 | 0 | 0 | 21 |
| S176-(+)ssRNA-6 | 7152 | 2 | 23 | 1 | 0 | 0 | 0 | 26 |
| S177-(+)ssRNA-7 | 7478 | 9 | 9 | 4 | 0 | 0 | 0 | 22 |
| S178-(+)ssRNA-8 | 7835 | 8 | 18 | 4 | 0 | 0 | 0 | 30 |
| S179-(+)ssRNA-9 | 8161 | 2 | 23 | 3 | 0 | 0 | 0 | 28 |
| S180-(+)ssRNA-10 | 7348 | 6 | 12 | 0 | 0 | 0 | 0 | 18 |
| S181-(+)ssRNA-11 | 8828 | 3 | 16 | 1 | 0 | 0 | 0 | 20 |
| S182-(+)ssRNA-12 | 8251 | 16 | 23 | 2 | 3 | 0 | 0 | 44 |
| S183-(+)ssRNA-13 | 7117 | 2 | 16 | 2 | 0 | 0 | 0 | 20 |
| S184-(+)ssRNA-14 | 9650 | 11 | 25 | 3 | 0 | 0 | 0 | 39 |
| S185-(+)ssRNA-15 | 9185 | 4 | 26 | 6 | 0 | 0 | 0 | 36 |
| S186-(+)ssRNA-16 | 8587 | 6 | 16 | 4 | 0 | 0 | 0 | 26 |
| S187-(+)ssRNA-17 | 9871 | 4 | 28 | 3 | 0 | 0 | 0 | 35 |
| S188-(+)ssRNA-18 | 12226 | 3 | 32 | 1 | 0 | 0 | 0 | 36 |
| S189-(+)ssRNA-19 | 12138 | 11 | 39 | 7 | 0 | 0 | 0 | 57 |
| S190-(+)ssRNA-20 | 10349 | 12 | 29 | 5 | 0 | 0 | 0 | 46 |
| S191-(+)ssRNA-21 | 9370 | 2 | 18 | 3 | 0 | 0 | 0 | 23 |
| S192-(+)ssRNA-22 | 9263 | 9 | 23 | 1 | 0 | 0 | 0 | 33 |
| S193-(+)ssRNA-23 | 11443 | 8 | 30 | 3 | 2 | 0 | 0 | 43 |
| S194-(+)ssRNA-24 | 9704 | 1 | 32 | 2 | 0 | 0 | 1 | 36 |
| S195-(+)ssRNA-25 | 9535 | 1 | 21 | 3 | 0 | 0 | 0 | 25 |
| S196-(+)ssRNA-26 | 11219 | 4 | 34 | 8 | 0 | 2 | 0 | 48 |
| S197-(+)ssRNA-27 | 10818 | 6 | 16 | 5 | 0 | 0 | 0 | 27 |
| S198-(+)ssRNA-28 | 9384 | 1 | 16 | 2 | 0 | 0 | 0 | 19 |
| S199-(+)ssRNA-29 | 8284 | 5 | 12 | 1 | 0 | 0 | 0 | 18 |
| S200-(+)ssRNA-30 | 7437 | 1 | 15 | 1 | 0 | 0 | 0 | 17 |
| S201-(+)ssRNA-31 | 7654 | 8 | 15 | 5 | 0 | 0 | 0 | 28 |
| S202-(+)ssRNA-32 | 7476 | 3 | 17 | 2 | 1 | 0 | 0 | 23 |
| S203-(+)ssRNA-33 | 7176 | 5 | 11 | 6 | 0 | 0 | 0 | 22 |
| S204-(+)ssRNA-34 | 6813 | 9 | 13 | 3 | 0 | 0 | 0 | 25 |
| S205-(+)ssRNA-35 | 7003 | 11 | 19 | 4 | 0 | 0 | 0 | 34 |
| S206-(+)ssRNA-36 | 4540 | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| S207-(+)ssRNA-37 | 4528 | 1 | 5 | 2 | 0 | 0 | 0 | 8 |
| S208-(+)ssRNA-38 | 6625 | 5 | 10 | 5 | 0 | 0 | 0 | 20 |
| S209-(+)ssRNA-39 | 4194 | 2 | 11 | 2 | 0 | 0 | 0 | 15 |
| S210-(+)ssRNA-40 | 5677 | 5 | 13 | 3 | 1 | 0 | 0 | 22 |
| S211-(+)ssRNA-41 | 5987 | 1 | 10 | 3 | 0 | 0 | 0 | 14 |

Additional file 2 Continued

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|------------------|-------|----|----|----|---|---|---|-----|
| S212-(+)ssRNA-42 | 5706 | 5 | 5 | 2 | 0 | 0 | 0 | 12 |
| S213-(+)ssRNA-43 | 4776 | 2 | 15 | 1 | 0 | 0 | 0 | 18 |
| S214-(+)ssRNA-44 | 4003 | 4 | 12 | 0 | 0 | 0 | 0 | 16 |
| S215-(+)ssRNA-45 | 3684 | 4 | 5 | 4 | 0 | 0 | 0 | 13 |
| S216-(+)ssRNA-46 | 5243 | 1 | 9 | 0 | 0 | 0 | 0 | 10 |
| S217-(+)ssRNA-47 | 4437 | 2 | 13 | 1 | 0 | 0 | 0 | 16 |
| S218-(+)ssRNA-48 | 4114 | 1 | 10 | 0 | 0 | 0 | 0 | 11 |
| S219-(+)ssRNA-49 | 4354 | 4 | 10 | 3 | 0 | 0 | 0 | 17 |
| S220-(+)ssRNA-50 | 4326 | 4 | 9 | 3 | 0 | 0 | 0 | 16 |
| S221-(+)ssRNA-51 | 12704 | 1 | 28 | 11 | 0 | 0 | 0 | 40 |
| S222-(+)ssRNA-52 | 27608 | 10 | 66 | 14 | 0 | 0 | 0 | 90 |
| S223-(+)ssRNA-53 | 28475 | 39 | 49 | 14 | 0 | 0 | 0 | 102 |
| S224-(+)ssRNA-54 | 26253 | 4 | 93 | 14 | 0 | 0 | 0 | 111 |
| S225-(+)ssRNA-55 | 10862 | 10 | 29 | 5 | 0 | 0 | 0 | 44 |
| S226-(+)ssRNA-56 | 12573 | 19 | 31 | 10 | 0 | 0 | 0 | 60 |
| S227-(+)ssRNA-57 | 9646 | 20 | 16 | 4 | 0 | 0 | 0 | 40 |
| S228-(+)ssRNA-58 | 11703 | 8 | 17 | 5 | 1 | 0 | 0 | 31 |
| S229-(+)ssRNA-59 | 9755 | 15 | 47 | 9 | 0 | 0 | 0 | 71 |
| S230-(+)ssRNA-60 | 6395 | 8 | 21 | 3 | 0 | 0 | 0 | 32 |
| S231-(+)ssRNA-61 | 10646 | 9 | 25 | 7 | 0 | 0 | 0 | 41 |
| S232-(+)ssRNA-62 | 10221 | 6 | 15 | 7 | 0 | 0 | 0 | 28 |
| S233-(+)ssRNA-63 | 10692 | 10 | 23 | 10 | 0 | 0 | 0 | 43 |
| S234-(+)ssRNA-64 | 12141 | 22 | 23 | 9 | 0 | 0 | 0 | 54 |
| S235-(+)ssRNA-65 | 10401 | 11 | 33 | 11 | 0 | 0 | 0 | 55 |
| S236-(+)ssRNA-66 | 15914 | 4 | 33 | 17 | 0 | 0 | 1 | 55 |
| S237-(+)ssRNA-67 | 8274 | 6 | 16 | 2 | 0 | 0 | 0 | 24 |
| S238-(+)ssRNA-68 | 8622 | 4 | 24 | 2 | 0 | 0 | 0 | 30 |
| S239-(+)ssRNA-69 | 8210 | 3 | 24 | 6 | 0 | 0 | 0 | 33 |
| S240-(+)ssRNA-70 | 8623 | 4 | 22 | 5 | 0 | 0 | 0 | 31 |
| S241-(+)ssRNA-71 | 8301 | 10 | 13 | 3 | 0 | 0 | 0 | 26 |
| S242-(+)ssRNA-72 | 4852 | 3 | 5 | 3 | 0 | 0 | 0 | 11 |
| S243-(+)ssRNA-73 | 7680 | 3 | 21 | 2 | 0 | 0 | 0 | 26 |
| S244-(+)ssRNA-74 | 7564 | 33 | 10 | 11 | 0 | 0 | 0 | 54 |
| S245-(+)ssRNA-75 | 6318 | 8 | 10 | 1 | 0 | 0 | 0 | 19 |
| S246-(+)ssRNA-76 | 6305 | 4 | 12 | 3 | 0 | 0 | 0 | 19 |
| S247-(+)ssRNA-77 | 15480 | 12 | 32 | 6 | 0 | 0 | 0 | 50 |
| S248-(+)ssRNA-78 | 15311 | 11 | 36 | 7 | 1 | 0 | 0 | 55 |
| S249-(+)ssRNA-79 | 17919 | 16 | 34 | 8 | 0 | 0 | 0 | 58 |
| S250-(+)ssRNA-80 | 6435 | 1 | 13 | 4 | 0 | 0 | 0 | 18 |
| S251-(+)ssRNA-81 | 7560 | 1 | 29 | 6 | 1 | 0 | 0 | 37 |
| S252-(+)ssRNA-82 | 8832 | 2 | 20 | 0 | 0 | 0 | 0 | 22 |
| S253-(+)ssRNA-83 | 9306 | 5 | 20 | 4 | 0 | 0 | 0 | 29 |
| S254-(+)ssRNA-84 | 6495 | 11 | 10 | 1 | 1 | 0 | 0 | 23 |

Additional file 2 Continued

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|------------------|------|---|----|---|---|---|---|----|
| S255-(+)ssRNA-85 | 7351 | 1 | 14 | 2 | 0 | 0 | 0 | 17 |
| S256-(+)ssRNA-86 | 7555 | 9 | 19 | 3 | 0 | 0 | 0 | 31 |
| S257-(+)ssRNA-87 | 4009 | 2 | 4 | 3 | 0 | 0 | 0 | 9 |