

Table S2. Tn insertions in *M. kansasii* ATCC 12478 plasmid pMK12478

| Coordinate (position of T of TA site) | New Locus Tag Designation (NC_022654.1; 02-04-17 annotation) | Old Locus Tag Designation (CP006836.1; 26-07-16 annotation) |
|--|---|--|
| 2566 | MKAN_RS27765 | MKAN_29080 |
| 2590 | MKAN_RS27765 | MKAN_29080 |
| 5838 | intergenic | |
| 5862 | MKAN_RS27785 | MKAN_29100 |
| 6007 | MKAN_RS27785 | MKAN_29100 |
| 6371 | MKAN_RS27785 | MKAN_29100 |
| 7384 | MKAN_RS27790 | MKAN_29105 |
| 7656 | intergenic | |
| 8271 | intergenic | |
| 8388 | MKAN_RS27800 | |
| 9797 | MKAN_RS27810 | MKAN_29125 |
| 11807 | MKAN_RS27820 | MKAN_29135 |
| 13096 | MKAN_RS27830 | |
| 15263 | MKAN_RS27850 | MKAN_29160 |
| 15876 | MKAN_RS27850 | MKAN_29160 |
| 15934 | MKAN_RS27850 | MKAN_29160 |
| 15951 | MKAN_RS27850 | MKAN_29160 |
| 16314 | MKAN_RS27850 | MKAN_29160 |
| 16314 | MKAN_RS27855 | MKAN_29165 |
| 16321 | MKAN_RS27850 | MKAN_29160 |
| 16321 | MKAN_RS27855 | MKAN_29165 |
| 16482 | MKAN_RS27855 | MKAN_29165 |
| 18418 | MKAN_RS27865 | MKAN_29175 |
| 18719 | MKAN_RS27865 | MKAN_29175 |
| 18767 | MKAN_RS27865 | MKAN_29175 |
| 18967 | intergenic | |
| 19912 | intergenic | |
| 20335 | MKAN_RS29005 | MKAN_29185 |
| 20608 | MKAN_RS29010 | MKAN_29190 |
| 20848 | intergenic | |
| 21194 | MKAN_RS27880 | MKAN_29195 |
| 21566 | MKAN_RS27880 | MKAN_29195 |
| 21730 | MKAN_RS27885 | MKAN_29200 |
| 22036 | MKAN_RS27885 | MKAN_29200 |
| 22605 | MKAN_RS30130 | |
| 23264 | MKAN_RS27895 | MKAN_29210 |
| 23387 | MKAN_RS27895 | MKAN_29210 |
| 24112 | MKAN_RS27900 | MKAN_29215 |
| 24461 | MKAN_RS27900 | MKAN_29215 |
| 24461 | MKAN_RS27905 | MKAN_29220 |

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|-------|--------------|--------------|
| 24668 | intergenic | |
| 25038 | MKAN_RS27910 | MKAN_29225 |
| 25144 | MKAN_RS27910 | MKAN_29225 |
| 25378 | MKAN_RS27910 | MKAN_29225 |
| 25791 | MKAN_RS27915 | |
| 25856 | MKAN_RS27915 | |
| 26556 | MKAN_RS27925 | MKAN_29235 |
| 26559 | MKAN_RS27925 | MKAN_29235 |
| 28268 | MKAN_RS27935 | MKAN_29245 |
| 28305 | MKAN_RS27935 | MKAN_29245 |
| 28470 | MKAN_RS27935 | MKAN_29245 |
| 28537 | MKAN_RS27935 | MKAN_29245 |
| 30924 | MKAN_RS27945 | MKAN_29255 |
| 30974 | MKAN_RS27945 | MKAN_29255 |
| 31090 | MKAN_RS27945 | MKAN_29255 |
| 31267 | MKAN_RS27945 | MKAN_29255 |
| 31397 | intergenic | |
| 31590 | MKAN_RS27950 | MKAN_29260 |
| 32139 | MKAN_RS27950 | MKAN_29260 |
| 32277 | MKAN_RS27950 | MKAN_29260 |
| 32408 | MKAN_RS27950 | MKAN_29260 |
| 32412 | MKAN_RS27950 | MKAN_29260 |
| 32845 | MKAN_RS27955 | |
| 33479 | MKAN_RS27960 | MKAN_29270 |
| 33608 | MKAN_RS27960 | MKAN_29270 |
| 33749 | MKAN_RS27960 | MKAN_29270 |
| 34486 | MKAN_RS27965 | MKAN_29275 |
| 34702 | MKAN_RS27965 | MKAN_29275 |
| 35567 | intergenic | |
| 35913 | MKAN_RS27975 | MKAN_29285 |
| 36810 | MKAN_RS27980 | MKAN_29290 |
| 37241 | MKAN_RS27985 | MKAN_RS27985 |
| 38168 | MKAN_RS27990 | |
| 38330 | MKAN_RS27990 | |
| 38644 | intergenic | |
| 38680 | intergenic | |
| 38869 | MKAN_RS27995 | MKAN_29300 |
| 39029 | MKAN_RS27995 | MKAN_29300 |
| 39201 | MKAN_RS27995 | MKAN_29300 |
| 39620 | MKAN_RS27995 | MKAN_29300 |
| 39697 | MKAN_RS27995 | MKAN_29300 |
| 40358 | MKAN_RS28000 | MKAN_29305 |
| 40405 | MKAN_RS28000 | MKAN_29305 |
| 40747 | MKAN_RS28005 | MKAN_29310 |
| 41067 | MKAN_RS28005 | MKAN_29310 |
| 41614 | MKAN_RS28010 | MKAN_29315 |
| 41936 | MKAN_RS30135 | |

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| 43940 | MKAN_RS30140 | MKAN_29340 |
| 46533 | MKAN_RS28045 | MKAN_29355 |
| 47229 | MKAN_RS29020 | MKAN_29365 |
| 47499 | MKAN_RS29020 | MKAN_29365 |
| 48054 | MKAN_RS28065 | |
| 48645 | MKAN_RS28065 | |
| 50236 | MKAN_RS28075 | MKAN_29385 |
| 50282 | MKAN_RS28075 | MKAN_29385 |
| 51124 | MKAN_RS28085 | MKAN_29400 |
| 51445 | MKAN_RS28085 | MKAN_29400 |
| 51453 | MKAN_RS28085 | MKAN_29400 |
| 53125 | MKAN_RS28085 | MKAN_29400 |
| 54278 | MKAN_RS28090 | MKAN_29405 |
| 55104 | MKAN_RS28090 | MKAN_29405 |
| 55271 | MKAN_RS28090 | MKAN_29405 |
| 55494 | MKAN_RS28090 | MKAN_29405 |
| 56335 | MKAN_RS28095 | MKAN_29410 |
| 56343 | MKAN_RS28095 | MKAN_29410 |
| 56521 | MKAN_RS28100 | MKAN_29415 |
| 56693 | MKAN_RS28100 | MKAN_29415 |
| 57279 | MKAN_RS28105 | MKAN_29420 |
| 57311 | MKAN_RS28105 | MKAN_29420 |
| 58167 | MKAN_RS28105 | MKAN_29420 |
| 58415 | MKAN_RS28105 | MKAN_29420 |
| 58608 | MKAN_RS28105 | MKAN_29420 |
| 58860 | MKAN_RS28110 | MKAN_29425 |
| 60213 | MKAN_RS28110 | MKAN_29425 |
| 62647 | MKAN_RS28120 | MKAN_29435 |
| 63640 | MKAN_RS28125 | MKAN_29440 |
| 63649 | MKAN_RS28125 | MKAN_29440 |
| 65312 | MKAN_RS28130 | MKAN_29445 |
| 65552 | MKAN_RS28130 | MKAN_29445 |
| 65973 | MKAN_RS28130 | MKAN_29445 |
| 66143 | MKAN_RS28135 | MKAN_29450 |
| 66323 | MKAN_RS28135 | MKAN_29450 |
| 66342 | intergenic | |
| 66383 | MKAN_RS28140 | MKAN_29455 |
| 66424 | MKAN_RS28140 | MKAN_29455 |
| 66510 | MKAN_RS28140 | MKAN_29455 |
| 66518 | MKAN_RS28140 | MKAN_29455 |
| 66663 | MKAN_RS28140 | MKAN_29455 |
| 66895 | MKAN_RS28145 | MKAN_29460 |
| 66922 | MKAN_RS28145 | MKAN_29460 |
| 67009 | MKAN_RS28145 | MKAN_29460 |
| 67012 | MKAN_RS28145 | MKAN_29460 |
| 67193 | MKAN_RS28145 | MKAN_29460 |
| 67525 | MKAN_RS28145 | MKAN_29460 |

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| 67561 | MKAN_RS28145 | MKAN_29460 |
| 67764 | MKAN_RS28145 | MKAN_29460 |
| 67932 | MKAN_RS28145 | MKAN_29460 |
| 67968 | MKAN_RS28145 | MKAN_29460 |
| 68001 | intergenic | |
| 68045 | MKAN_RS28150 | MKAN_29465 |
| 68120 | MKAN_RS28150 | MKAN_29465 |
| 68285 | MKAN_RS28150 | MKAN_29465 |
| 68396 | MKAN_RS28155 | MKAN_29470 |
| 68427 | MKAN_RS28155 | MKAN_29470 |
| 68627 | MKAN_RS28155 | MKAN_29470 |
| 68876 | MKAN_RS28155 | MKAN_29470 |
| 68883 | MKAN_RS28155 | MKAN_29470 |
| 69350 | MKAN_RS28155 | MKAN_29470 |
| 69608 | MKAN_RS28155 | MKAN_29470 |
| 70070 | MKAN_RS28155 | MKAN_29470 |
| 70827 | MKAN_RS28155 | MKAN_29470 |
| 72153 | MKAN_RS28155 | MKAN_29470 |
| 73853 | MKAN_RS28160 | MKAN_29475 |
| 74160 | intergenic | |
| 74858 | MKAN_RS28165 | MKAN_29480 |
| 75037 | MKAN_RS28165 | MKAN_29480 |
| 75282 | intergenic | |
| 75325 | MKAN_RS29025 | |
| 75370 | MKAN_RS29025 | |
| 75378 | MKAN_RS29025 | |
| 76226 | MKAN_RS29025 | |
| 76513 | MKAN_RS28180 | MKAN_29495 |
| 76520 | MKAN_RS28180 | MKAN_29495 |
| 76522 | MKAN_RS28180 | MKAN_29495 |
| 76688 | MKAN_RS28180 | MKAN_29495 |
| 76733 | MKAN_RS28180 | MKAN_29495 |
| 76757 | MKAN_RS28180 | MKAN_29495 |
| 76852 | MKAN_RS28180 | MKAN_29495 |
| 76888 | MKAN_RS28180 | MKAN_29495 |
| 77286 | MKAN_RS28180 | MKAN_29495 |
| 77467 | intergenic | |
| 78325 | intergenic | |
| 78494 | intergenic | |
| 78637 | MKAN_RS28195 | MKAN_29510 |
| 78723 | MKAN_RS28195 | MKAN_29510 |
| 79105 | MKAN_RS28195 | MKAN_29510 |
| 79189 | MKAN_RS28195 | MKAN_29510 |
| 79953 | intergenic | |
| 80147 | MKAN_RS28200 | MKAN_29515 |
| 81513 | MKAN_RS28205 | MKAN_29520 |
| 81822 | MKAN_RS28205 | MKAN_29520 |

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| 82445 | MKAN_RS29030 | MKAN_29525 |
| 82739 | MKAN_RS28215 | MKAN_29530 |
| 83103 | MKAN_RS28215 | MKAN_29530 |
| 83291 | MKAN_RS30145 | |
| 83312 | MKAN_RS30145 | |
| 83317 | MKAN_RS30145 | |
| 83366 | MKAN_RS30145 | |
| 83654 | MKAN_RS30145 | |
| 83857 | MKAN_RS30145 | |
| 83957 | MKAN_RS30145 | |
| 84588 | intergenic | |
| 84648 | intergenic | |
| 84696 | intergenic | |
| 84740 | intergenic | |
| 84876 | intergenic | |
| 84885 | intergenic | |
| 84934 | intergenic | |
| 84959 | intergenic | |
| 85521 | intergenic | |
| 85563 | intergenic | |
| 85570 | intergenic | |
| 85592 | intergenic | |
| 85795 | intergenic | |
| 85835 | intergenic | |
| 86164 | intergenic | |
| 86254 | MKAN_RS28225 | MKAN_29540 |
| 86407 | MKAN_RS28225 | MKAN_29540 |
| 86669 | MKAN_RS28230 | MKAN_29545 |
| 86872 | MKAN_RS28230 | MKAN_29545 |
| 86912 | MKAN_RS28230 | MKAN_29545 |
| 87385 | intergenic | |
| 88330 | MKAN_RS28235 | MKAN_29550 |
| 88558 | intergenic | |
| 88569 | intergenic | |
| 88610 | intergenic | |
| 88778 | MKAN_RS28240 | MKAN_29555 |
| 89449 | MKAN_RS28245 | |
| 89496 | MKAN_RS28245 | |
| 89808 | MKAN_RS28245 | |
| 90154 | intergenic | |
| 90172 | intergenic | |
| 90496 | MKAN_RS28250 | MKAN_29565 |
| 90545 | MKAN_RS28250 | MKAN_29565 |
| 91414 | MKAN_RS29035 | MKAN_29575 |
| 91702 | intergenic | |
| 92300 | MKAN_RS28270 | MKAN_29585 |
| 92417 | MKAN_RS28270 | MKAN_29585 |

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| 92697 | MKAN_RS28270 | MKAN_29585 |
| 93341 | intergenic | |
| 93675 | MKAN_RS28280 | |
| 94068 | MKAN_RS28280 | |
| 94128 | MKAN_RS28280 | |
| 94224 | MKAN_RS28280 | |
| 94359 | MKAN_RS28280 | |
| 94380 | MKAN_RS28280 | |
| 94475 | MKAN_RS28280 | |
| 94690 | MKAN_RS28280 | |
| 95180 | MKAN_RS28280 | |
| 95186 | MKAN_RS28280 | |
| 95778 | MKAN_RS28285 | MKAN_29600 |
| 97462 | intergenic | |
| 97628 | MKAN_RS28295 | MKAN_29610 |
| 97661 | MKAN_RS28295 | MKAN_29610 |
| 97701 | MKAN_RS28295 | MKAN_29610 |
| 97992 | MKAN_RS28300 | MKAN_29615 |
| 98356 | MKAN_RS28300 | MKAN_29615 |
| 98402 | MKAN_RS28300 | MKAN_29615 |
| 98555 | MKAN_RS28300 | MKAN_29615 |
| 98975 | MKAN_RS28300 | MKAN_29615 |
| 99422 | MKAN_RS28300 | MKAN_29615 |
| 99615 | MKAN_RS28300 | MKAN_29615 |
| 99615 | MKAN_RS28305 | MKAN_29620 |
| 99702 | MKAN_RS28300 | MKAN_29615 |
| 99702 | MKAN_RS28305 | MKAN_29620 |
| 100158 | MKAN_RS28310 | MKAN_29625 |
| 100351 | MKAN_RS28315 | MKAN_29630 |
| 100481 | MKAN_RS28315 | MKAN_29630 |
| 100519 | MKAN_RS28315 | MKAN_29630 |
| 100600 | MKAN_RS28315 | MKAN_29630 |
| 100964 | MKAN_RS28315 | MKAN_29630 |
| 101545 | MKAN_RS28315 | MKAN_29630 |
| 101601 | MKAN_RS28315 | MKAN_29630 |
| 101643 | MKAN_RS28315 | MKAN_29630 |
| 101807 | MKAN_RS28315 | MKAN_29630 |
| 101850 | MKAN_RS28315 | MKAN_29630 |
| 102210 | MKAN_RS29040 | MKAN_29635 |
| 102261 | MKAN_RS29040 | MKAN_29635 |
| 102978 | intergenic | |
| 103000 | intergenic | |
| 103058 | intergenic | |
| 104185 | MKAN_RS28325 | MKAN_29640 |
| 104247 | MKAN_RS28325 | MKAN_29640 |
| 105209 | MKAN_RS28335 | MKAN_29650 |
| 105438 | MKAN_RS28335 | MKAN_29650 |

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| 105643 | MKAN_RS28340 | MKAN_29655 |
| 105651 | MKAN_RS28340 | MKAN_29655 |
| 105819 | intergenic | |
| 106136 | MKAN_RS28345 | MKAN_29660 |
| 106165 | MKAN_RS28345 | MKAN_29660 |
| 106425 | MKAN_RS28350 | MKAN_29665 |
| 107451 | intergenic | |
| 107724 | intergenic | |
| 108186 | MKAN_RS28355 | MKAN_29670 |
| 108860 | MKAN_RS28360 | MKAN_29675 |
| 109458 | MKAN_RS28360 | MKAN_29675 |
| 109477 | MKAN_RS28360 | MKAN_29675 |
| 109508 | MKAN_RS28360 | MKAN_29675 |
| 109787 | MKAN_RS28365 | MKAN_29680 |
| 109965 | MKAN_RS28365 | MKAN_29680 |
| 111062 | MKAN_RS28370 | MKAN_29685 |
| 112156 | MKAN_RS28370 | MKAN_29685 |
| 112188 | MKAN_RS28370 | MKAN_29685 |
| 112499 | intergenic | |
| 112635 | intergenic | |
| 113110 | intergenic | |
| 113241 | MKAN_RS28375 | MKAN_29690 |
| 114033 | MKAN_RS28375 | MKAN_29690 |
| 114189 | MKAN_RS28375 | MKAN_29690 |
| 114540 | MKAN_RS28380 | MKAN_29695 |
| 114944 | MKAN_RS28380 | MKAN_29695 |
| 115214 | MKAN_RS28380 | MKAN_29695 |
| 115546 | MKAN_RS28380 | MKAN_29695 |
| 115553 | MKAN_RS28380 | MKAN_29695 |
| 115775 | MKAN_RS28380 | MKAN_29695 |
| 115970 | MKAN_RS28380 | MKAN_29695 |
| 116034 | MKAN_RS28380 | MKAN_29695 |
| 116255 | MKAN_RS28380 | MKAN_29695 |
| 116483 | MKAN_RS28380 | MKAN_29695 |
| 117167 | MKAN_RS28385 | MKAN_29700 |
| 117589 | MKAN_RS28390 | |
| 117933 | intergenic | |
| 117954 | intergenic | |
| 118116 | MKAN_RS28395 | |
| 118199 | MKAN_RS28395 | |
| 118238 | MKAN_RS28395 | |
| 118305 | MKAN_RS28395 | |
| 118444 | MKAN_RS29050 | MKAN_29715 |
| 119205 | MKAN_RS28405 | MKAN_29720 |
| 120781 | MKAN_RS28410 | |
| 121031 | intergenic | |
| 122365 | MKAN_RS28420 | MKAN_29745 |

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| 122857 | MKAN_RS28425 | MKAN_29750 |
| 122976 | MKAN_RS28425 | MKAN_29750 |
| 122980 | MKAN_RS28425 | MKAN_29750 |
| 124201 | MKAN_RS28435 | MKAN_29760 |
| 124638 | MKAN_RS28435 | MKAN_29760 |
| 124833 | MKAN_RS28435 | MKAN_29760 |
| 125903 | MKAN_RS28445 | MKAN_29770 |
| 125963 | MKAN_RS28445 | MKAN_29770 |
| 126175 | MKAN_RS28445 | MKAN_29770 |
| 126845 | MKAN_RS28450 | MKAN_29775 |
| 126998 | MKAN_RS28450 | MKAN_29775 |
| 127143 | intergenic | |
| 127327 | intergenic | |
| 127744 | MKAN_RS28455 | MKAN_29785 |
| 128153 | MKAN_RS28455 | MKAN_29785 |
| 129516 | intergenic | |
| 129563 | MKAN_RS28465 | MKAN_29795 |
| 129772 | MKAN_RS28465 | MKAN_29795 |
| 130548 | MKAN_RS28470 | MKAN_29800 |
| 130804 | MKAN_RS28470 | MKAN_29800 |
| 131215 | MKAN_RS28470 | MKAN_29800 |
| 131914 | MKAN_RS28475 | MKAN_29805 |
| 133075 | intergenic | |
| 133240 | intergenic | |
| 133320 | MKAN_RS28485 | MKAN_29815 |
| 133327 | MKAN_RS28485 | MKAN_29815 |
| 133642 | MKAN_RS28485 | MKAN_29815 |
| 134164 | MKAN_RS28485 | MKAN_29815 |
| 134821 | MKAN_RS28485 | MKAN_29815 |
| 134935 | MKAN_RS28485 | MKAN_29815 |
| 135043 | MKAN_RS28485 | MKAN_29815 |
| 136062 | MKAN_RS28485 | MKAN_29815 |
| 136118 | MKAN_RS28485 | MKAN_29815 |
| 136204 | MKAN_RS28485 | MKAN_29815 |
| 136233 | MKAN_RS28485 | MKAN_29815 |
| 136639 | MKAN_RS28485 | MKAN_29815 |
| 137308 | MKAN_RS28485 | MKAN_29815 |
| 137957 | MKAN_RS28485 | MKAN_29815 |
| 138408 | MKAN_RS28485 | MKAN_29815 |
| 138447 | MKAN_RS28485 | MKAN_29815 |
| 138683 | MKAN_RS28485 | MKAN_29815 |
| 139211 | intergenic | |
| 139518 | MKAN_RS28490 | MKAN_29820 |
| 139912 | MKAN_RS28500 | MKAN_29830 |
| 141271 | MKAN_RS28505 | MKAN_29835 |
| 141368 | MKAN_RS28505 | MKAN_29835 |
| 142546 | MKAN_RS28515 | MKAN_29845 |

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| 142766 | MKAN_RS28515 | MKAN_29845 |
| 142780 | MKAN_RS28515 | MKAN_29845 |
| 143096 | intergenic | |
| 143210 | MKAN_RS28520 | MKAN_29850 |
| 143450 | MKAN_RS28520 | MKAN_29850 |
| 143910 | intergenic | |