Strain Dapto MIC(μg/ml) Vanc MIC(μg/ml)

NRS70 0.38 1

NRS70.8.1 0.19 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A567V SA\_RS02930 R140H SA\_RS04395 S169R SA\_RS05165 I188TSA\_RS07265 G47G SA\_RS09765 A151V |
| Deletions | [SA\_RS14675]-[SA\_RS06275] bp 1258431-1258505 |

NRS70.8.2 3 6

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| **Type** | **Mutation** |
| Coding | SA\_RS02930 S143P SA\_RS08110 S125L SA\_RS09765 A151V SA\_RS11395 V87A |
| Intergenic | SA\_RS09480 bp1916338 A |

NRS70.8.3 2 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 L10F SA\_RS02640 R103K SA\_RS03550 K197N SA\_RS09760 S329L |
| Insertions | SA\_RS07890 bp1602858 TTTTCC |

NRS70.8.4 3 10

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 T367N SA\_RS02930 G489E SA\_RS09765 A151P SA\_RS11720 H33Y |

NRS70.8.5 1 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS09665 Y119D SA\_RS09755 D194NSA\_RS09760 K231I |
| Intergenic | SA\_RS04580/SA\_RS04585 bp908862 T |
| Insertions | SA\_RS05350 bp1071102 A |

NRS70.8.6 3 10

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A567V SA\_RS02935 A729T SA\_RS09765 L57F SA\_RS09835 I48I |
| Insertions | SA\_RS12325 bp2412690 A |

NRS70.8.7 3 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A243V SA\_RS02260 P184P SA\_RS02930 P1063S SA\_RS09665 H69R SA\_RS09765 V129E |

NRS70.8.8 2 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 G223S SA\_RS00495 M647R SA\_RS02870 R146L SA\_RS02930 H481Y SA\_RS02930 G492D SA\_RS09765 S7L  |
| Deletions | SA\_RS07890 bp 1603260-1603260 |

NRS70.8.9 1.5 8

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| **Type** | **Mutation** |
| Coding | SA\_RS02935 F417I SA\_RS03025 A515V SA\_RS05350 Q234\* SA\_RS08975 W248\* SA\_RS09765 A152V SA\_RS10755 G124D SA\_RS11085 S513F SA\_RS11710 G14R |
| Intergenic | SA\_RS09220/SA\_RS09225 bp1873637 A SA\_RS09630/SA\_RS09635 bp1925100 A |
| Deletions | SA\_RS05215 bp 1044309-1044311 |

NRS70.8.10 3 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 L10F SA\_RS02930 P963S SA\_RS03415 T118I SA\_RS03545 T69I SA\_RS09765 P174Q |
| Deletions | [SA\_RS07900]-[SA\_RS07905] bp 1604326-1604373 |

NRS70.8.11 2 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 V380I SA\_RS02935 T1119I SA\_RS08975 L106F SA\_RS09760 I32S SA\_RS11285 V78G |
| Intergenic | SA\_RS13025/SA\_RS14955 bp2544912 G |
| Insertions |  SA\_RS12105 bp2368936 A |
| Deletions | SA\_RS06500 bp 1309898-1309898 |

NRS70.8.12 2 5

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 T357I SA\_RS02930 P963T SA\_RS09765 A151P |
| Intergenic | SA\_RS13210/SA\_RS13220 bp2590880 T |
| Deletions | [SA\_RS10065]-[SA\_RS10405] bp 2005335-2049591 |

NRS70.8.13 3 10

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 G223S SA\_RS02930 A862V SA\_RS02935 K474E SA\_RS09765 Y177S |
| Intergenic | SA\_RS09370/SA\_RS09375 bp1892676 T |
| Insertions | SA\_RS06060 bp1209451 T |

NRS70.8.14 1.5 4

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A243V SA\_RS08315 L31F SA\_RS08430 A326E |
| Intergenic | SA\_RS14715 bp1440134 C |
| Substitutions | SA\_RS10010 bp1996415 GT |
| Insertions | SA\_RS05375 bp1076333 A |
| Deletions | [SA\_RS05345]-[SA\_RS05350] bp 1070207-1071627 SA\_RS09410 bp 1901568-1901848 |

NRS70.8.15 1 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS02930 R140H SA\_RS09765 V161F SA\_RS11560 Q376K |
| Deletions | [SA\_RS10065]-[SA\_RS10405] bp 2005335-2049591 |

NRS70.8.17 3 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS02930 R483H SA\_RS09765 A21P SA\_RS11655 P18S |
| Deletions | SA\_RS09765 bp 1949024-1949024 |

NRS70.8.18 0.75 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 E236D SA\_RS02930 R483H SA\_RS09765 P174S SA\_RS12470 R76L |
| Intergenic | SA\_RS09370/SA\_RS09375 bp1892630 A |
| Insertions | SA\_RS00225 bp23535 T  |

NRS70.8.19 4 8

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| **Type** | **Mutation** |
| Coding | SA\_RS02930 A862E SA\_RS02935 L795F SA\_RS06100 Q183\* SA\_RS09410 M1M SA\_RS09765 P174S |
| Deletions | SA\_RS00245 bp 26758-26760 [SA\_RS10065]-[SA\_RS10405] bp 2005335-2049591 |

NRS70.8.20 3 5

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| **Type** | **Mutation** |
| Coding | SA\_RS02935 H449Q SA\_RS05975 V53L SA\_RS09765 T125I SA\_RS11720 G58R |
| Intergenic | SA\_RS06245/SA\_RS06250 bp1248770 T SA\_RS11625/SA\_RS11630 bp2294399 T |
| Deletions | SA\_RS00245 bp 26758-26760 |

NRS70.8.23 2 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 S9T SA\_RS02930 G491V SA\_RS09765 Y220C |
| Deletions | SA\_RS01755 bp 360040-360040 |

NRS70.8.24 1.5 4

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| **Type** | **Mutation** |
| Coding | SA\_RS00240 I142N SA\_RS02930 P963S SA\_RS09765 S7L SA\_RS11975 L209L |

NRS70.8.25 1 5

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| **Type** | **Mutation** |
| Coding | SA\_RS00240 Q230\* SA\_RS02935 G765V SA\_RS08935 A318T SA\_RS09760 I317F |

NRS70.8.26 3 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS02935 P431L SA\_RS09765 A152T |
| Intergenic | SA\_RS11245/SA\_RS11250 bp2212403 T |

NRS70.8.29 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS09765 A151V |
| Deletions | SA\_RS00245 bp 26758-26760 |

NRS70.8.30 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A243V SA\_RS02640 P259L SA\_RS06000 F39L SA\_RS07270 C197Y SA\_RS09760 R122Q SA\_RS11285 V78G SA\_RS14000 M126V |

NRS70.8.31 3 8

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| **Type** | **Mutation** |
| Coding | SA\_RS02935 R958P SA\_RS06060 Y541D SA\_RS09375 Q263\* SA\_RS09765 Y130C |
| Intergenic | SA\_RS09510 bp1917044 G |

NRS70.8.32 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 L433S SA\_RS00700 L167L SA\_RS00745 A139V SA\_RS01145 V270V SA\_RS01930 P40S SA\_RS03030 D1127D SA\_RS03030 D1129D SA\_RS03030 S1130S SA\_RS03030 D1135D SA\_RS03030 D1139DSA\_RS03030 S1250S SA\_RS03030 D1251D SA\_RS03030 D1253D SA\_RS03445 K85E SA\_RS04220 H91R SA\_RS04255 P60L SA\_RS06730 D837G SA\_RS07265 A212ASA\_RS07425 G239D SA\_RS07635 G120G SA\_RS09760 K336N SA\_RS09990 W25R SA\_RS14045 A42A  |
| Intergenic | SA\_RS05470/SA\_RS05475 bp1097601 G SA\_RS13065 bp2554008 C |
| Deletions | SA\_RS00300/SA\_RS00305 bp 39864-39864 SA\_RS05885 bp 1170286-1170286 SA\_RS06430 bp 1294686-1294686 SA\_RS11865 bp 2326495-2326495 SA\_RS12535 bp 2456314-2456314 |

NRS70.8.33 1.5 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS07270 C197Y SA\_RS07860 P266L SA\_RS09765 P174S |

NRS70.8.34 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 G223S SA\_RS02530 H183Y SA\_RS02930 A620E SA\_RS04865 Q535H SA\_RS09765 G140R |
| Intergenic | SA\_RS12745/SA\_RS12750 bp2492262 A |
| Deletions | [SA\_RS04005] bp 803223-803378 [SA\_RS10065]-[SA\_RS10405] bp 2005335-2049591 |

NRS70.8.35 2 5

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| **Type** | **Mutation** |
| Coding | SA\_RS01750 G5G SA\_RS06415 P84L SA\_RS09410 Q30\* SA\_RS09765 A59E |
| Deletions | SA\_RS00245 bp 26758-26760 |

NRS70.8.36 3 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS07270 C197Y SA\_RS07860 P266L SA\_RS09765 P174S |

NRS70.8.37 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 A567V SA\_RS02930 A1085V SA\_RS04950 T5P SA\_RS09765 P174S SA\_RS09865 A438T |
| Deletions | SA\_RS05050/SA\_RS05055 bp 1011765-1011765 SA\_RS11090/SA\_RS11095 bp 2180285-2180285 |

NRS70.8.38 1.5 8

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| **Type** | **Mutation** |
| Coding | SA\_RS00240 P216H SA\_RS02935 P482R SA\_RS07270 C197Y SA\_RS09765 A152T |
| Intergenic | SA\_RS14715 bp1440134 C |

NRS70.8.39 2 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00240 P216H SA\_RS02935 A778V SA\_RS09765 P126L |

NRS70.8.40 3 6

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| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C SA\_RS02935 D485N SA\_RS09765 P126L |
| Intergenic | SA\_RS05420/SA\_RS05425 bp1085725 A |
| Deletions | SA\_RS04005 bp 802713-802796 |

NRS384 0.38 1

NRS384.8.1 1.5 5

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| **Type** | **Mutation** |
| Coding | NRS\_23 D522G NRS\_30 G358S NRS\_251 M137I NRS\_528 R428H NRS\_528 P458R NRS\_553 L46F NRS\_1170 M103I NRS\_1525 A65T NRS\_1606 V350V NRS\_1726 R63R NRS\_1899 L57F NRS\_2015 R449C NRS\_2289 V125I NRS\_2450 A508V NRS\_2533 A625T NRS\_2572 R260C NRS\_2604 T122M |
| Intergenic | NRS\_30 I185T NRS\_765 T214I NRS\_1568 R231C NRS\_1705 K84E NRS\_1899 P126L |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1619 bp 1741462-1741492 NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.2 4 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 M291I NRS\_103 G54G NRS\_666 L168I NRS\_1899 L57F |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_772/NRS\_773 bp841847 CG NRS\_921/NRS\_924 bp991581 GCGNRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_1595 bp1716766 GG NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.3 2 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 Q216E NRS\_491 G217V NRS\_688 M76T NRS\_1887 R103\* |
| Substitutions | NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_1897 bp2025818 TACGGTTACGCATTTTCA NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1951-NRS\_2005 bp 2084668-2127716 |

NRS384.8.4 1.5 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_262 T47A NRS\_666 R308\* NRS\_1019 P356S NRS\_1899 P126L |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_158/NRS\_161 bp169317 AG NRS\_772/NRS\_773 bp841847 CG NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.5 2 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_1319 G14V NRS\_1352 G8624A NRS\_1899 A152T |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_921/NRS\_924 bp991581 GCGT NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_831/NRS\_832 bp892268 A NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.6 0.125 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 R204G NRS\_644 S116G NRS\_661 N71Y NRS\_1898 G318S NRS\_1898 S196T NRS\_2149 Q95L NRS\_2276 V139I |
| Substitutions | NRS\_772/NRS\_773 bp841847 CG NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T  |
| Deletions | NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.7 0.25 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223C NRS\_591 G52G NRS\_1085 P266T NRS\_1898 T331I |
| Substitutions | NRS\_921/NRS\_924 bp991579 TAGCGT NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1650 bp 1775202-1775243 NRS\_2214 bp 2358024-2358039 NRS\_2649 bp 2837771-2837772 |

NRS384.8.8 2 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 T217K NRS\_924 T219M NRS\_1019 G416D NRS\_1899 P174Q NRS\_1899 V36F |
| Substitutions | NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.9 6 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 V196F NRS\_1726 R63R |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |

NRS384.8.10 4 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 R286S NRS\_110 S183S NRS\_110 K185Q NRS\_761 G30R NRS\_1899 D134G |
| Substitutions | NRS\_772/NRS\_773 bp841847 CG NRS\_2521/NRS\_2522 bp2679940 CG NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |

NRS384.8.11 1.5 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 T270N NRS\_1563 M1M NRS\_1899 P174A |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_772/NRS\_773 bp841847 CG NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1142 bp 1225371-1225372 NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.12 0.38 8

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| **Type** | **Mutation** |
| Coding | NRS\_9 A136T NRS\_30 V196F NRS\_640 Q182K NRS\_700 A268E NRS\_1899 A59E |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_921/NRS\_924 bp991579 TAGCGT NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 ANRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.13 2 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 A189D NRS\_540 R140H NRS\_871 A320V NRS\_1352 T2109I NRS\_1898 I100R NRS\_2243 L344L |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_511 bp556345 AT NRS\_921/NRS\_924 bp991579 TAGCGT |
| Insertions | NRS\_1779/NRS\_1781 bp1929108 T NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1352 bp 1485612-1485613 NRS\_1779/NRS\_1781 bp 1929087-1929089 NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.14 3 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 A189D NRS\_664 A576V NRS\_700 G254D NRS\_1822 V9D NRS\_1898 Q289K |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_158/NRS\_161 bp169317 AG NRS\_158/NRS\_161 bp169334 GC NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CCNRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.15 3 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_110 K185Q NRS\_541 T775I NRS\_544 R81L NRS\_559 D775D NRS\_1726 R63R NRS\_1898 G318V |
| Substitutions | NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Deletions | NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.16 1.5 4

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_541 T775I NRS\_544 R81L NRS\_559 S770S NRS\_559 D775D NRS\_1726 R63R NRS\_1898 G318V |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_921/NRS\_924 bp991579 TAGCGT NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_1939 bp2074104 ACTAAT |
| Deletions |  NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.17 1.5 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 V15L NRS\_750 A66E NRS\_1899 G140E |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.18 2 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 A567D NRS\_540 A477V NRS\_540 A862V NRS\_640 N43T NRS\_1898 R332H |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_158/NRS\_161 bp169317 AG NRS\_772/NRS\_773 bp841847 CG NRS\_921/NRS\_924 bp991579 TAGCGT NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.19 2 6

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| **Type** | **Mutation** |
| Coding | NRS\_540 T622I NRS\_559 S770S NRS\_559 D775D NRS\_766 S69P NRS\_979 A71V NRS\_1278 D606G NRS\_1726 R63R NRS\_1899 G56D NRS\_2189 Q98K |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_158/NRS\_161 bp169317 AG NRS\_158/NRS\_161 bp169334 GC NRS\_772/NRS\_773 bp841847 CG NRS\_921/NRS\_924 bp991579 TAGCGT NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_1202 bp1298123 AAAGAA NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_1821/NRS\_1822 bp 1971513-1971514 NRS\_1842/NRS\_1843 bp 1995021-1995072 |

NRS384.8.20 3 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 I185T NRS\_765 T214I NRS\_1568 R231C NRS\_1705 K84E NRS\_1899 P126L |
| Substitutions | NRS\_158/NRS\_161 bp169212 GA NRS\_158/NRS\_161 bp169317 AG NRS\_921/NRS\_924 bp991586 GTGTATTCAGA NRS\_2521/NRS\_2522 bp2680094 GT NRS\_2521/NRS\_2522 bp2680102 G NRS\_2521/NRS\_2522 bp2680108 CC NRS\_2521/NRS\_2522 bp2680117 TGT NRS\_2578 bp2741433 TGCGAGACTGAACTCCAT |
| Insertions | NRS\_2521/NRS\_2522 bp2680071 TCAG NRS\_2521/NRS\_2522 bp2680086 A NRS\_2521/NRS\_2522 bp2680134 T |
| Deletions | NRS\_2340 bp 2475617-2475618 |

NRS384.8.21 3 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 G358S NRS\_37 S213S NRS\_541 A371P NRS\_1898 I333F |
| Substitutions | NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA  |
| Insertions | NRS\_261 bp301825 CCTGAAGATAAGTACTTA |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.22 3 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 Q370K NRS\_37 S213S NRS\_750 S95N NRS\_1899 G56S NRS\_2625 Q204\* |
| Substitutions | NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG |
| Deletions | NRS\_1868/NRS\_1869 bp 1997576-1997577 NRS\_2620 bp 2799855-2799867 |

NRS384.8.23 4 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_37 S213S NRS\_640 G36D NRS\_662 T199I NRS\_1899 S7L |
| Insertions | NRS\_98/NRS\_99 bp97236 T |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.24 2 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 G358S NRS\_37 S213S NRS\_161 D761A NRS\_540 A862V NRS\_559 S770S NRS\_559 D775D NRS\_1197 G140D NRS\_1551 C194Y NRS\_1726 R63R NRS\_1898 V236G |
| Substitutions | NRS\_501 bp546823 TC NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA  |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 |

NRS384.8.25 3 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 M291I NRS\_37 S213S NRS\_1122 S26C NRS\_1595 E50G NRS\_1898 S167I |
| Substitutions | NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG |
| Insertions | NRS\_700 bp758712 TG |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1779/NRS\_1781 bp 1929087-1929089 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.26 3 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 A243T NRS\_37 S213S NRS\_258 H36Q NRS\_1899 V129G NRS\_2116 F507C |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.27 1.5 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_37 S213SNRS\_662 V111D NRS\_1897 A113D NRS\_1898 Q126K |
| Insertions | NRS\_1016 bp1089410 A |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 |

NRS384.8.29 3 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 M220I NRS\_37 S213S NRS\_541 G413C NRS\_559 S770S NRS\_559 D775D NRS\_759 A714V NRS\_904 N202Y NRS\_985 A267T NRS\_1018 A389V NRS\_1136 V659V NRS\_1182 V151I NRS\_1319 G16CNRS\_1436 G28R NRS\_1726 R63R NRS\_1898 D26Y NRS\_2042 S38F |
| Substitutions | NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG |

NRS384.8.30 1.5 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223C NRS\_37 S213S NRS\_559 S770S NRS\_559 D775D NRS\_1726 R63R NRS\_1899 G140E NRS\_2231 Y46N |
| Substitutions | NRS\_2521/NRS\_2522 bp2679946 CG NRS\_2521/NRS\_2522 bp2679952 AG |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.31 1.5 4

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| **Type** | **Mutation** |
| Coding | NRS\_30 R263L NRS\_37 S213S NRS\_1899 P126L |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1469 bp 1597224-1597229 NRS\_1868/NRS\_1869 bp 1997576-1997577 NRS\_2364 bp 2501671-2501672 |

NRS384.8.32 2 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 G358S NRS\_662 W158C NRS\_665 P70L NRS\_1899 V199G |
| Substitutions | NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1779/NRS\_1781 bp 1929087-1929089 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.33 2 8

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_540 A477V NRS\_1550 E155D NRS\_1899 L57F |
| Substitutions | NRS\_921/NRS\_924 bp991579 TAGCGT |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 |

NRS384.8.34 1 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 T188A NRS\_37 S213S NRS\_559 S770S NRS\_559 D775D NRS\_1726 R63R NRS\_1898 N291K |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 NRS\_2117 bp 2245138-2245264  |

NRS384.8.35 3 5

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223S NRS\_37 S213S NRS\_540 G167S NRS\_640 Q182PNRS\_1899 Y220C |
| Substitutions | NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA NRS\_2521/NRS\_2522 bp2679952 AG |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_911 bp 980607-980608 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.37 0.75 4

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| **Type** | **Mutation** |
| Coding | NRS\_30 M426I NRS\_37 S213S NRS\_664 S295L NRS\_1899 N201Y |
| Substitutions | NRS\_921/NRS\_924 bp991579 TAGCGT |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1779/NRS\_1781 bp 1929087-1929088 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.38 1.5 4

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| **Type** | **Mutation** |
| Coding | NRS\_37 S213S NRS\_1899 P126L NRS\_2321 F143L |
| Substitutions | NRS\_772/NRS\_773 bp841847 CG |
| Deletions | NRS\_32 bp 29528-29529 NRS\_158/NRS\_161 bp 169257-169258 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.39 3 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 F184Y NRS\_37 S213S NRS\_540 R428S NRS\_1898 Q289R |
| Substitutions | NRS\_1779/NRS\_1781 bp1929111 TT NRS\_1779/NRS\_1781 bp1929117 AA |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 NRS\_1779/NRS\_1781 bp 1929087-1929089 NRS\_1868/NRS\_1869 bp 1997576-1997577 |

NRS384.8.40 2 6

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| **Type** | **Mutation** |
| Coding | NRS\_30 G223D NRS\_1898 T331I NRS\_2215 D112G NRS\_2525 R394R |
| Deletions | NRS\_158/NRS\_161 bp 169257-169258 |

NRS123.8.1

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| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00100 P13T MW\_RS00100 E63E MW\_RS00105 T195K MW\_RS05255 D400N MW\_RS09935 N291K |
| Intergenic | MW\_RS03260/MW\_RS03265 bp681212 T |

NRS123.8.2

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 L10F MW\_RS02745 P1063S MW\_RS03390 K84N MW\_RS05245 Y92\* MW\_RS08755 S105L MW\_RS09880 Q240\* |

NRS123.8.4

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223D MW\_RS05260 G45V MW\_RS09840 E156K MW\_RS09935 I82S |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894015 CATTACTTTGCTAATC |
| Deletions | MW\_RS05925 bp 1203835-1203879 |

NRS123.8.5

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 A243T MW\_RS01220 G166A MW\_RS02745 A1082V MW\_RS03165 L196\* |

NRS123.8.6

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223C MW\_RS06700 T345I MW\_RS09940 P126L |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894015 CATTACTTTGCTAATC |
| Insertions | MW\_RS05245 bp1072848 TA |

NRS123.8.7

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223C MW\_RS03390 S55L MW\_RS05255 W292\* MW\_RS05920 G169D MW\_RS13740 V186I |
| Insertions | MW\_RS09880 bp1979458 A |
| Deletions | [MW\_RS10245]-[MW\_RS10565] bp 2046219-2088820 |

NRS123.8.8

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS09170 A206V |

NRS123.8.9

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| **Type** | **Mutation** |
| Coding | MW\_RS00105 K262E MW\_RS02750 R958C MW\_RS03465 W153\* MW\_RS14590 C26F MW\_RS07835 I291T MW\_RS09940 G140E MW\_RS11240 D120Y |
| Substitutions | MW\_RS02765 bp578492 GT |

NRS123.8.10

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 A292P MW\_RS02750 V800L MW\_RS09940 P126L |

NRS123.8.12

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 R511P MW\_RS09940 A151V |
| Intergenic | MW\_RS06140/MW\_RS06145 bp1248897 C MW\_RS08160/MW\_RS08165 bp1654589 T |

NRS123.8.13

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| **Type** | **Mutation** |
| Coding | MW\_RS02750 N735K MW\_RS05245 Q132\* MW\_RS09940 L49P |
| Intergenic | MW\_RS09685 bp1957557 G |
| Insertions | MW\_RS03870 bp798622 A |

NRS123.8.14

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223D MW\_RS03330 T81I MW\_RS09940 T223K |
| Substitutions | MW\_RS00735 bp162227 AT |

NRS123.8.15

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| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223D MW\_RS01050 A93V MW\_RS09940 G140R |
| Deletions | [MW\_RS10245]-[MW\_RS10565] bp 2046219-2088820 |

NRS123.8.16

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00105 M426I MW\_RS09940 P126L |
| Deletions | MW\_RS03860 bp 797038-797049 MW\_RS08165-[MW\_RS08175] bp 1654517-1656936 MW\_RS12340 bp 2424259-2424259 |

NRS123.8.17

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00105 I29M MW\_RS02750 A803P MW\_RS08245 I191T |
| Intergenic | MW\_RS09665 bp1957192 A |

NRS123.8.18

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS02750 R797H MW\_RS09940 Q136P |
| Deletions | MW\_RS12225/MW\_RS12230 bp 2402868-2403002 |

NRS123.8.19

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| **Type** | **Mutation** |
| Coding | MW\_RS00105 S9T MW\_RS02745 A477V MW\_RS09935 S329L MW\_RS12765 L119\* |

NRS123.8.20

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00105 E373A MW\_RS02440 I13N MW\_RS08565 Y56N MW\_RS09940 T125I |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.21

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 L429R MW\_RS01070 P629H MW\_RS08130 A83E |
| Deletions | MW\_RS14510-MW\_RS02920 bp 617259-621100 MW\_RS09940 bp 1989589-1989589 [MW\_RS10245]-[MW\_RS10565] bp 2046219-2088820 MW\_RS13185/MW\_RS13190 bp 2594611-2594611  |

NRS123.8.22

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G358S MW\_RS05790 A764S MW\_RS09935 V66G |
| Intergenic | MW\_RS08160/MW\_RS08165 bp1654588 T |

NRS123.8.24

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00070 V632V MW\_RS02750 V800L MW\_RS03860 A233V MW\_RS09940 P126L |
| Intergenic | MW\_RS09685 bp1957557 G |

NRS123.8.25

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00105 G358S MW\_RS08615 Y298N MW\_RS09940 A152V |
| Intergenic | MW\_RS08160/MW\_RS08165 bp1654499 T |

NRS123.8.26

|  |  |
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| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223D MW\_RS09935 S167I MW\_RS11175 W81\* |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.28

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 D440Y MW\_RS02750 R779C MW\_RS10600 A75A |
| Intergenic | MW\_RS00460/MW\_RS00465 bp105695 C MW\_RS04530/MW\_RS04535 bp921644 T MW\_RS07740/MW\_RS07745 bp1580635 T |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.29

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G358S MW\_RS02745 R406H MW\_RS09935 D290E |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.30

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G358S MW\_RS02745 A477P MW\_RS09940 P126L MW\_RS12075 R178H |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.31

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 N48K MW\_RS00735 E31\* MW\_RS09940 L57F |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.32

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 D440Y MW\_RS08160 P41L MW\_RS09935 N291K |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.33

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS06920 L41S MW\_RS08130 Y82\* MW\_RS09080 M339I MW\_RS09935 S329L |
| Intergenic | MW\_RS09685 bp1957557 G |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.35

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| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 G223D MW\_RS02745 T622I MW\_RS02800 I222F MW\_RS08900 S335G MW\_RS09940 G140E |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.36

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| **Type** | **Mutation** |
| Coding | MW\_RS00105 L10F MW\_RS09940 S7L |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.37

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| **Type** | **Mutation** |
| Coding | MW\_RS00105 Q216E MW\_RS02275 K92K MW\_RS02440 A89T MW\_RS09940 R163K |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.38

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 A243T MW\_RS02415 Y102D MW\_RS09585 P49S MW\_RS09940 P126S |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |

NRS123.8.40

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | MW\_RS00105 T367N MW\_RS02745 Q468L MW\_RS09940 D134G |
| Substitutions | MW\_RS09320/MW\_RS09325 bp1894019 CTT |
| Insertions | MW\_RS09320/MW\_RS09325 bp1894017 T |
| Deletions | MW\_RS03060 bp 644615-644618[MW\_RS10245]-[MW\_RS10565] bp 2046219-2088820 |