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

NRS70 0.38 1

NRS70.8.1 0.19 8

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | SA\_RS00245 A567V  SA\_RS02930 R140H  SA\_RS04395 S169R  SA\_RS05165 I188T  SA\_RS07265 G47G  SA\_RS09765 A151V |
| Deletions | [SA\_RS14675]-[SA\_RS06275] bp 1258431-1258505 |

NRS70.8.2 3 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS70.8.5 1 6

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | SA\_RS00245 R86C  SA\_RS09665 Y119D  SA\_RS09755 D194N  SA\_RS09760 K231I |
| Intergenic | SA\_RS04580/SA\_RS04585 bp908862 T |
| Insertions | SA\_RS05350 bp1071102 A |

NRS70.8.6 3 10

|  |  |
| --- | --- |
| **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

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

NRS70.8.8 2 8

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS70.8.24 1.5 4

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

NRS70.8.25 1 5

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

NRS70.8.26 3 8

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

NRS70.8.29 2 6

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

NRS70.8.30 2 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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 D1139D  SA\_RS03030 S1250S  SA\_RS03030 D1251D  SA\_RS03030 D1253D  SA\_RS03445 K85E  SA\_RS04220 H91R  SA\_RS04255 P60L  SA\_RS06730 D837G  SA\_RS07265 A212A  SA\_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

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

NRS70.8.34 2 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS70.8.37 2 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS70.8.40 3 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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 GCG  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\_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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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 A  NRS\_2521/NRS\_2522 bp2680134 T |

NRS384.8.13 2 8

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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 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 |

NRS384.8.15 3 6

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | NRS\_30 G223D  NRS\_37 S213S  NRS\_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

|  |  |
| --- | --- |
| **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 G16C  NRS\_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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **Type** | **Mutation** |
| Coding | NRS\_30 G223S  NRS\_37 S213S  NRS\_540 G167S  NRS\_640 Q182P  NRS\_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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS123.8.9

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

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

NRS123.8.16

|  |  |
| --- | --- |
| **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

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

NRS123.8.18

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

NRS123.8.19

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

NRS123.8.20

|  |  |
| --- | --- |
| **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

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

NRS123.8.25

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

NRS123.8.26

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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

|  |  |
| --- | --- |
| **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 |