

WT large	
Seq change	Location*
TCA->TGA	113
TTG->TAG	122
AGA->ACA	257
CTT->CGT	263
CTT->CCT	263
CTT->CCT	263
TAA (@ ATAT)	276
TGGA (@ TGGTGG)	294
TGGA (@ TGGTGG)	294
GGT->GAT	296
GTAA (after TGGTGG)	299
ACT->TCT	301
TTA->TAA	329
GGC->AGC	352
GGC->GAC	353
CCA->CTA	356
CCA->CTA	356
T ins (@TTT)	382
ATA (@CATAT)	399
ATA (@CATAT)	399
CAG->TAG	412
TCC->TAC	416
GAA->AAA	424
GAA->AAA	424
AATGGTTACATGA	505
GA (@GG)	508
GGT->GAT	509
TAC->TAG	513
ATG->AGG	515
AA (from GTATT)	518
TGG->TAG	521
GAA->AAA	550
GAA->CAA	550
GAA->GGA	551
CTT->CCT	554
TGG->TAG	584
TGG->TGA	585
TA (from TTTTTT)	620
TA (from TTTTTT)	620
T ins (@TTTTT)	620
ATG->AGG	644
CCCTGT->CTCTTT	655
GAA->TAA	673
ATA (@ATAT)	727
TGT->CGT	733
TGT->CGT	733
TGA (non-repeat)	733
TAT->TAG	786
TGG->TAG	806
TGG->TGA	858
ACA->CCA	886
CAA->AAA	892
GGT->GAT	896
GAA->AAA	901
GAA->AAA	925
AA (@AAAAA)	964
GTTA (from GTTGT)	970
CGT->TGT	979
TAC->TCT	995
CTA (from CTCTCT)	1002
TCA (from TCTCTA)	1003
ATTA (from ATATTCATT)	1008
GGA->AGA	1018
CA (@CC)	1064
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
TAC->TCC	1184
TAC->TAG	1185
TAC->TAA	1185
TCC->TAC	1193
CGT->GGT	1195
CGT->CAT	1196
TAA (from TCTATC)	1211
AAG->TAG	1216
AAG->TAG	1216
GGC->GAC	1301
GGC->GAC	1301
TCTACTGGTGGTGACAA	1324
GGC->GAC	1379
CA (from AGGCTTTTTT)	1380
AGA->TGA	1417
CTA (from TCTCT)	1449
AAA->TAA	1477
29 nt Δ	1535
CAA->TAA	1537
CAA->TAA	1537
CAA->TAA	1537
TA (from TTTT)	1551

WT small	
Seq change	Location*
AAG->TAG	37
GAG->TAG	52
CAA->TAA	91
GGG->GGGG	112
TA (from GGATACGT)	191
GAA->TAA	232
CAG->TAG	238
AGA->ATA	257
AGA->AGT	258
CTT->CGT	263
GA (after AAA)	272
GGT->CGT	295
GGT->GAT	296
GGT->GAT	299
In frame Δ of 192 nt	303
GGT->GTT	314
CTT->ATT	316
CTT->ATT	316
GGC->GCC	353
GGT->GAT	389
ATA (from CATAT)	400
CTGTCA->CCGGA	405
60 nt duplication/insertion	422
ACA->AAA	434
ACA->AAA	434
ACA->AGA	449
TA (@TTTT)	465
TA (@TTTT)	465
T ins @TTTT	493
TGG->TAG	521
TGG->TGT	531
TGG->TGA	531
ACT->AAT	539
GAA->CAA	550
GAA->GTA	551
CAA->TAA	568
CAA->TAA	568
CAA->TAA	577
CAA->TAA	577
CAA->TAA	577
TA (from TTTT)	580
TAC AAA GTT->TAA AAA ATT T	591
TA (from TTTTTT)	620
TA (from TTTTTT)	620
TA (from TTTTTT)	620
TA (from TTTTTT)	620
AAC->AAG	648
GGT->AGT	670
GAA->AAA	673
GAG->GTG	680
TGG->TAG	686
GCT->CCT	691
TGT->TGA	735
GGA->TGA	775
TGG->TGA	789
TGG->TGA	789
TA (from GCCTGGG)	805
TGG->TAG	806
CAA->CGA	892
GGT->AGT	895
GAA->TAA	901
AA (from AAA)	933
CCC->CTC	938
CAAAAAAG->AAAAA	963
GTT TTC CGT --> TTT TTC TGT	970
TA (from TTTT)	974
CGT->TGT	979
CGT->TGT	979
TAC->CAC	994
TAC->AAC	994
GGA->AGA	1018
TA (@TTTT)	1022
TAC->TAA	1035
CA (non-repeat)	1054
TTTT->TTTT	1118
TA (@TTTT)	1118
TTGG->TAG	1121
ATA (from CATAT)	1127
ATA (from CATAT)	1127
TCT->TTT	1163
TCA->TAA	1175
TCC->TTC	1193
CGT->CAT	1196
AAG->TAG	1222
TCA->TGA	1244
GGT->GAT	1262
GA (GG)	1308
ins: ATTAATATCACTGGTGTGCAGCC	1380
TGG->TAG	1391
TGG->TAG	1391
TCA->TAA	1403
AGA->TGA	1417
GCT->CCT	1429
GCT->CCT	1429
GCT AAA TTA ATG --> GCC AAA ATA A ATC	1476
TTA->TAA	1481
10 nt Δ	1510
TA (@TT)	1527
CAA->TAA	1537
GCTG->GGCCG	1583
38 nt duplication/insertion	1617

msnΔ large	
Seq change	Location*
TCA->TGA	11
TCA->TAA	113
GAA->TAA	142
CTT->CCT	263
CTT->CGT	263
AGA->TGA	271
TAA (@CATAT)	276
TAA (@CATAT)	276
TAA (@CATAT)	276
TAA (@CATAT)	276
TAA (@CATAT)	276
GGT->CGT	298
TAA (@TATA)	369
CTTA (non-repeat)	392
TA (non-repeat)	428
CAA->TAA	472
TGG->TAG	530
ACT->GCT	538
TGG->TGA	585
TAC->TAG	591
TGG->TAG	611
TA (@TTTTTT)	620
TA (@TTTTTT)	620
TGG->TAG	626
TGG->TAG	626
GTC->GGC	659
GGT->CGT	670
GGT->GAT	671
GAA->TAA	673
GAG->GTG	680
GAG->GAT	681
GGG->CGG	718
TGT->CGT	733
TA (from TTTTTT)	735
TGG->CGG	787
TGG->CGG	787
GA (@GG)	788
GGT->GAT	809
GAA->TAA	838
CAA->AAA	892
CAA->TAA	892
GAA->AAA	901
GAA->AAA	901
GA (@GG)	910
GGT->AGT	922
GGT->AGT	922
AA (@AAA)	933
CCC->ACC	937
AAA (@AAAAAA)	964
AAA @AAAAAA	964
AA (@AAAAAA)	964
CGT->CTT	980
18 nt Δ	1002
TAA (from TCTCTATTA)	1007
18 nt insertion	1010
CTT->CGT	1022
TAC->TAA	1035
CAA->TAA	1054
ACA (@ACAC)	1051
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
ATA (@CATAT)	1127
TCT->TAT	1163
TCA->TAA	1175
GGT->CGT	1189
TCC->TTC	1193
CGT->CTT	1196
CCA->CGA	1268
GTT->TTT	1279
TA (@TTT)	1297
GGC->GAC	1301
27 nt duplication	1310
GGT->CGT	1369
AGA->TGA	1417
14 nt Δ	1510
ACA (non-repeat)	1510
38 nt duplication	1617
GA (@GGGG) & TTC-->TTA	760&684

msnΔ small	
Seq change	Location*
TAC->TAA	48
TAC->TAA	48
TTG->TAG	122
ATA (non-repeat)	211
AGA->TGA	256
GCAAA->TCAAT	267
AGA->AGC	273
CAT->TAT	274
CAT->CGT	275
TAA (@CATAT)	276
TAA (@CATAT)	276
27 nt deletion	284
CA (@CCC)	290
TCA->TGA	374
ATA (@CATAT)	375
ATA (@CATAT)	399
ATA (@CATAT)	399
TCC->TAC	416
GAA->TAA	424
TTCAA	436
CCT->CGT	443
dupl/ins: ACAT	512
GTATT->TTAT	516
TGG->TGC	531
TTTTG->TTTTTT	544
CAA->TAA	568
AA (@CCTT)	600
TA (@TTTTTT)	620
CCT->CTT	656
GTC->CTC	658
TAC->TGC	668
ATA->AGA	728
TGT->CGT	733
TGT->TGA	735
TGT->TGA	750
TGG->AGG	787
TGG->TAG	806
TGG->TGA	858
CAA->TAA	892
GGT->AGT	922
GGT->AGT	922
CCC->CAC	938
GTTA (from GTTGT)	970
TTGA (@GTTGT)	971
CGT->CCT	980
CGT->CTT	980
TTT->CTC	991
TTT->CTC	991
TAC->TCC	995
GGC->CGC	1000
TAC->TAG	1035
CA (@CCC)	1041
TAC->TAA	1068
TATA (@TATTAT)	1086
AAT (@CATAT)	1127
GCC->GAC	1166
TCA->CCA	1174
TAC->TAA	1185
TAC->TAA	1185
GGT->CGT	1189
AA (@TTTTTT)	1203
TTG->TAG	1226
TCA->TGA	1244
TCA->TGA	1244
GGT->GAT	1262
GAA->TAA	1348
GAA->TAA	1348
TTA->TGA	1358
TT ins (@TTTTTT)	1381
CAC->CTC	1412
GCT AAA->GCC TAA	1476
TTA->TAA	1481
ACA->AGA	1511
ACG->AGG	1520
CAA->TAA	1537

* Nucleotide of CAN1 ORF where mutation occurs or starts