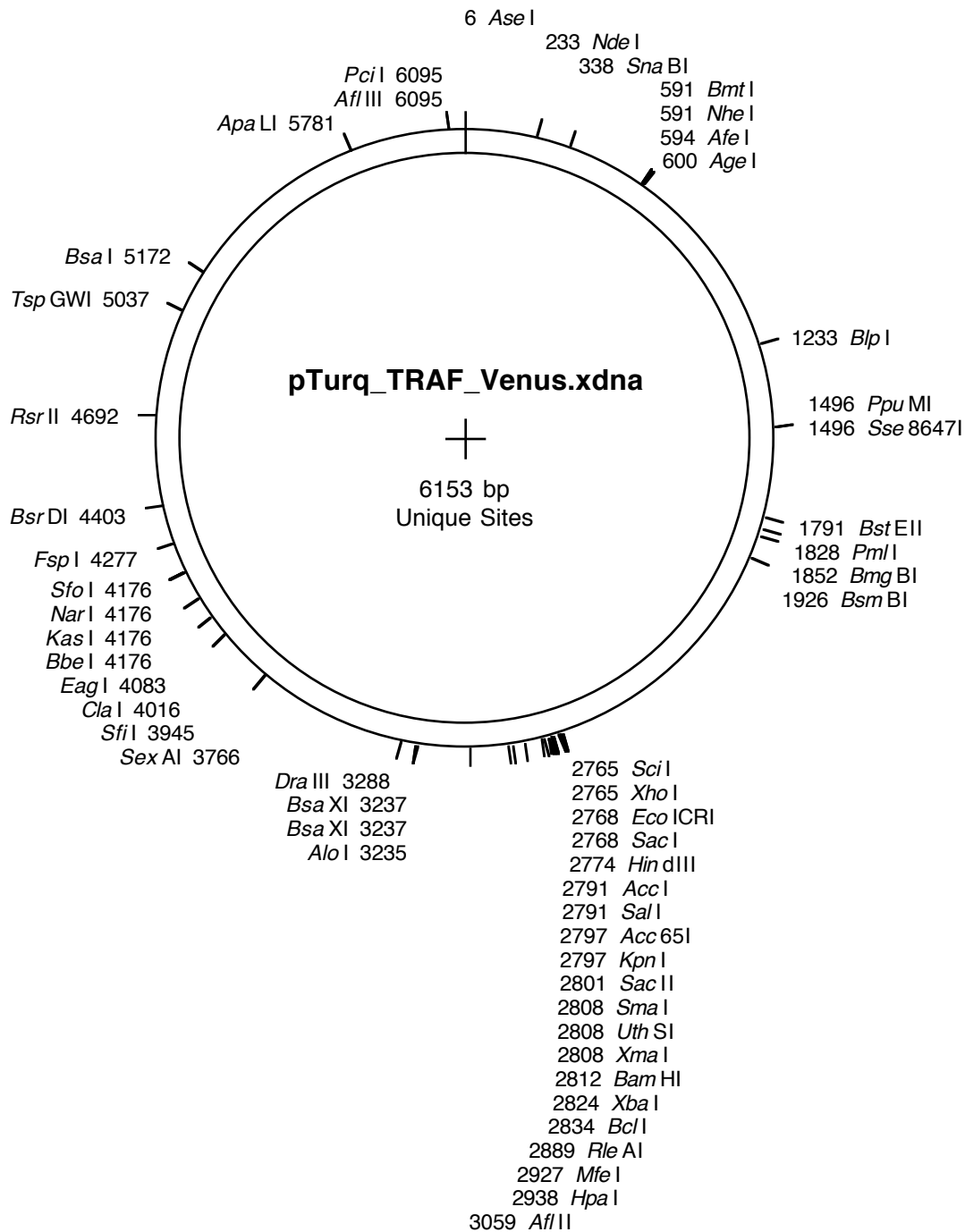


pTurq_TRAF_Venus.xdna -> Graphic Map

DNA sequence 6153 bp TAGTTATTAATA ... ACCGCCATGCAT circular

mTurq-TRAF-Venus fusion in Clontech C1; Turquoise from 613 to 1320; TRAF2 Domain "ESLEK...LSGLRS" to 2023; Venus to 2751; MCS to stop codon @ 2832. Kan/neo resistance.



pTurq_TRAF_Venus.xdna [613 to 2832] -> Translate • 1-frame

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613/1                               643/11
|                                   |
ATG GTG AGC AAG GGC GAG GAG CTG TTC ACC GGG GTG GTG CCC ATC CTG GTC GAG CTG GAC
M   V   S   K   G   E   E   L   F   T   G   V   V   P   I   L   V   E   L   D

673/21                              703/31
|                                   |
GGC GAC GTA AAC GGC CAC AAG TTC AGC GTG TCC GGC GAG GGC GAG GGC GAT GCC ACC TAC
G   D   V   N   G   H   K   F   S   V   S   G   E   G   E   G   D   A   T   Y

733/41                              763/51
|                                   |
GGC AAG CTG ACC CTG AAG TTC ATC TGC ACC ACC GGC AAG CTG CCC GTG CCC TGG CCC ACC
G   K   L   T   L   K   F   I   C   T   T   G   K   L   P   V   P   W   P   T

793/61                              823/71
|                                   |
CTC GTG ACC ACC CTG TCC TGG GGC GTG CAG TGC TTC GCC CGC TAC CCC GAC CAC ATG AAG
L   V   T   T   L   S   W   G   V   Q   C   F   A   R   Y   P   D   H   M   K

853/81                              883/91
|                                   |
CAG CAC GAC TTC TTC AAG TCC GCC ATG CCC GAA GGC TAC GTC CAG GAG CGC ACC ATC TTC
Q   H   D   F   F   K   S   A   M   P   E   G   Y   V   Q   E   R   T   I   F

913/101                             943/111
|                                   |
TTC AAG GAC GAC GGC AAC TAC AAG ACC CGC GCC GAG GTG AAG TTC GAG GGC GAC ACC CTG
F   K   D   D   G   N   Y   K   T   R   A   E   V   K   F   E   G   D   T   L

973/121                             1003/131
|                                   |
GTG AAC CGC ATC GAG CTG AAG GGC ATC GAC TTC AAG GAG GAC GGC AAC ATC CTG GGG CAC
V   N   R   I   E   L   K   G   I   D   F   K   E   D   G   N   I   L   G   H

1033/141                             1063/151
|                                   |
AAG CTG GAG TAC AAC TAC ATC AGC GAC AAC GTC TAT ATC ACC GCC GAC AAG CAG AAG AAC
K   L   E   Y   N   Y   I   S   D   N   V   Y   I   T   A   D   K   Q   K   N

1093/161                             1123/171
|                                   |
GGC ATC AAG GCC AAC TTC AAG ATC CGC CAC AAC ATC GAG GAC GGC GGC GTG CAG CTC GCC
G   I   K   A   N   F   K   I   R   H   N   I   E   D   G   G   V   Q   L   A

1153/181                             1183/191
|                                   |
GAC CAC TAC CAG CAG AAC ACC CCC ATC GGC GAC GGC CCC GTG CTG CTG CCC GAC AAC CAC
D   H   Y   Q   Q   N   T   P   I   G   D   G   P   V   L   L   P   D   N   H

1213/201                             1243/211
|                                   |
TAC CTG AGC ACC CAG TCC AAG CTG AGC AAA GAC CCC AAC GAG AAG CGC GAT CAC ATG GTC
Y   L   S   T   Q   S   K   L   S   K   D   P   N   E   K   R   D   H   M   V
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1273/221                               1303/231
|                                       |
CTG CTG GAG TTC GTG ACC GCC GCC GGG ATC ACT CTC GGC AAG TCC GGA GAG AGC CTG GAG
L   L   E   F   V   T   A   A   G   I   T   L   G   K   S   G   E   S   L   E
1333/241                               1363/251
|                                       |
AAG AAG ACG GCC ACT TTT GAG AAC ATT GTC TGC GTC CTG AAC CGG GAG GTG GAG AGG GTG
K   K   T   A   T   F   E   N   I   V   C   V   L   N   R   E   V   E   R   V
1393/261                               1423/271
|                                       |
GCC ATG ACT GCC GAG GCC TGC AGC CGG CAG CAC CGG CTG GAC CAA GAC AAG ATT GAA GCC
A   M   T   A   E   A   C   S   R   Q   H   R   L   D   Q   D   K   I   E   A
1453/281                               1483/291
|                                       |
CTG AGT AGC AAG GTG CAG CAG CTG GAG AGG AGC ATT GGC CTC AAG GAC CTG GCG ATG GCT
L   S   S   K   V   Q   Q   L   E   R   S   I   G   L   K   D   L   A   M   A
1513/301                               1543/311
|                                       |
GAC TTG GAG CAG AAG GTC TTG GAG ATG GAG GCA TCC ACC TAC GAT GGG GTC TTC ATC TGG
D   L   E   Q   K   V   L   E   M   E   A   S   T   Y   D   G   V   F   I   W
1573/321                               1603/331
|                                       |
AAG ATC TCA GAC TTC GCC AGG AAG CGC CAG GAA GCT GTG GCT GGC CGC ATA CCC GCC ATC
K   I   S   D   F   A   R   K   R   Q   E   A   V   A   G   R   I   P   A   I
1633/341                               1663/351
|                                       |
TTC TCC CCA GCC TTC TAC ACC AGC AGG TAC GGC TAC AAG ATG TGT CTG CGT ATC TAC CTG
F   S   P   A   F   Y   T   S   R   Y   G   Y   K   M   C   L   R   I   Y   L
1693/361                               1723/371
|                                       |
AAC GGC GAC GGC ACC GGG CGA GGA ACA CAC CTG TCC CTC TTC TTT GTG GTG ATG AAG GGC
N   G   D   G   T   G   R   G   T   H   L   S   L   F   F   V   V   M   K   G
1753/381                               1783/391
|                                       |
CCG AAT GAC GCC CTG CTG CGG TGG CCC TTC AAC CAG AAG GTG ACC TTA ATG CTG CTC GAC
P   N   D   A   L   L   R   W   P   F   N   Q   K   V   T   L   M   L   L   D
1813/401                               1843/411
|                                       |
CAG AAT AAC CGG GAG CAC GTG ATT GAC GCC TTC AGG CCC GAC GTG ACT TCA TCC TCT TTT
Q   N   N   R   E   H   V   I   D   A   F   R   P   D   V   T   S   S   S   F
1873/421                               1903/431
|                                       |
CAG AGG CCA GTC AAC GAC ATG AAC ATC GCA AGC GGC TGC CCC CTC TTC TGC CCC GTC TCC
Q   R   P   V   N   D   M   N   I   A   S   G   C   P   L   F   C   P   V   S
1933/441                               1963/451
|                                       |
AAG ATG GAG GCA AAG AAT TCC TAC GTG CGG GAC GAT GCC ATC TTC ATC AAG GCC ATT GTG
K   M   E   A   K   N   S   Y   V   R   D   D   A   I   F   I   K   A   I   V
1993/461                               2023/471
|                                       |
GAC CTG ACA GGG CTC TCC GGA CTC AGA TCT GTG AGC AAG GGC GAG GAG CTG TTC ACC GGG
D   L   T   G   L   S   G   L   R   S   V   S   K   G   E   E   L   F   T   G

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2053/481                               2083/491
|                                       |
GTG GTG CCC ATC CTG GTC GAG CTG GAC GGC GAC GTA AAC GGC CAC AAG TTC AGC GTG TCC
V  V  P  I  L  V  E  L  D  G  D  V  N  G  H  K  F  S  V  S
|                                       |
2113/501                               2143/511
|                                       |
GGC GAG GGC GAG GGC GAT GCC ACC TAC GGC AAG CTG ACC CTG AAG CTC ATC TGC ACC ACC
G  E  G  E  G  D  A  T  Y  G  K  L  T  L  K  L  I  C  T  T
|                                       |
2173/521                               2203/531
|                                       |
GGC AAG CTG CCC GTG CCC TGG CCC ACC CTC GTG ACC ACC CTG GGC TAC GGC CTG CAG TGC
G  K  L  P  V  P  W  P  T  L  V  T  T  L  G  Y  G  L  Q  C
|                                       |
2233/541                               2263/551
|                                       |
TTC GCC CGC TAC CCC GAC CAC ATG AAG CAG CAC GAC TTC TTC AAG TCC GCC ATG CCC GAA
F  A  R  Y  P  D  H  M  K  Q  H  D  F  F  K  S  A  M  P  E
|                                       |
2293/561                               2323/571
|                                       |
GGC TAC GTC CAG GAG CGC ACC ATC TTC TTC AAG GAC GAC GGC AAC TAC AAG ACC CGC GCC
G  Y  V  Q  E  R  T  I  F  F  K  D  D  G  N  Y  K  T  R  A
|                                       |
2353/581                               2383/591
|                                       |
GAG GTG AAG TTC GAG GGC GAC ACC CTG GTG AAC CGC ATC GAG CTG AAG GGC ATC GAC TTC
E  V  K  F  E  G  D  T  L  V  N  R  I  E  L  K  G  I  D  F
|                                       |
2413/601                               2443/611
|                                       |
AAG GAG GAC GGC AAC ATC CTG GGG CAC AAG CTG GAG TAC AAC TAC AAC AGC CAC AAC GTC
K  E  D  G  N  I  L  G  H  K  L  E  Y  N  Y  N  S  H  N  V
|                                       |
2473/621                               2503/631
|                                       |
TAT ATC ACC GCC GAC AAG CAG AAG AAC GGC ATC AAG GCC AAC TTC AAG ATC CGC CAC AAC
Y  I  T  A  D  K  Q  K  N  G  I  K  A  N  F  K  I  R  H  N
|                                       |
2533/641                               2563/651
|                                       |
ATC GAG GAC GGC GGC GTG CAG CTC GCC GAC CAC TAC CAG CAG AAC ACC CCC ATC GGC GAC
I  E  D  G  G  V  Q  L  A  D  H  Y  Q  Q  N  T  P  I  G  D
|                                       |
2593/661                               2623/671
|                                       |
GGC CCC GTG CTG CTG CCC GAC AAC CAC TAC CTG AGC TAC CAG TCC AAA CTG AGC AAA GAC
G  P  V  L  L  P  D  N  H  Y  L  S  Y  Q  S  K  L  S  K  D
|                                       |
2653/681                               2683/691
|                                       |
CCC AAC GAG AAG CGC GAT CAC ATG GTC CTG CTG GAG TTC GTG ACC GCC GCC GGG ATC ACT
P  N  E  K  R  D  H  M  V  L  L  E  F  V  T  A  A  G  I  T
|                                       |
2713/701                               2743/711
|                                       |
CTC GGC ATG GAC GAG CTG TAC ATG GAC GAG CTG TAC AAG TCC GGA CTC AGA TCT CGA GCT
L  G  M  D  E  L  Y  M  D  E  L  Y  K  S  G  L  R  S  R  A
|                                       |
2773/721                               2803/731
|                                       |
CAA GCT TCG AAT TCT GCA GTC GAC GGT ACC GCG GGC CCG GGA TCC ACC GGA TCT AGA TAA
Q  A  S  N  S  A  V  D  G  T  A  G  P  G  S  T  G  S  R  *

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