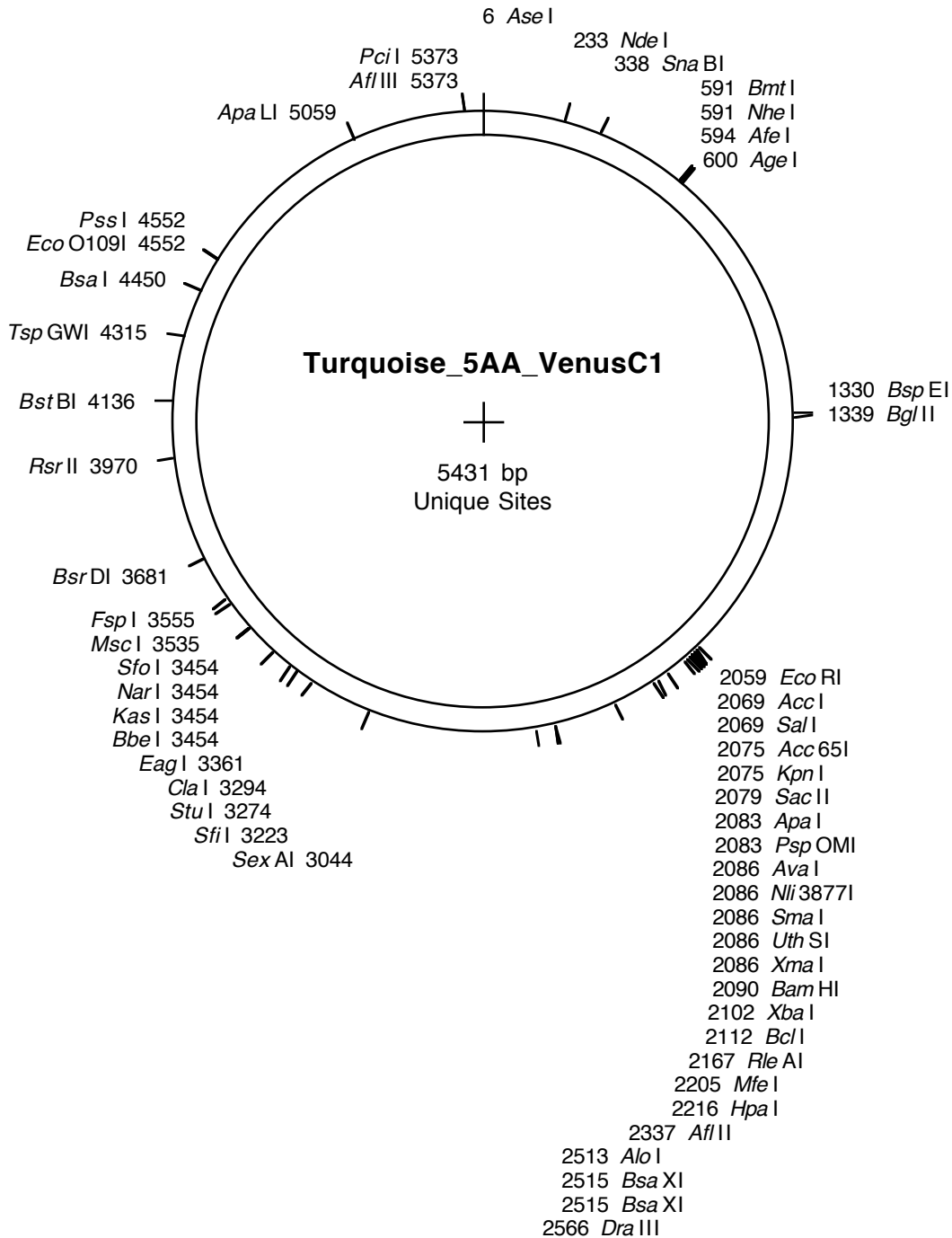


**Turquoise\_5AA\_VenusC1 -> Graphic Map**

DNA sequence 5431 bp TAGTTATTAATA ... ACCGCCATGCAT circular

Turquoise\_5AA\_Venus fusion in Clontech C1; Turquoise 613 to 1330;"SGLRS";  
Venus to 2058; MCS to stop codon @ 2106.  
Kan/Neo Resistance.



Turquoise\_5AA\_VenusC1 [613 to 2106] -> Translate • 1-frame

DNA sequence 5431 bp TAGTTATTAATA ... ACCGCCATGCAT circular

Turquoise\_5AA\_Venus fusion in Clontech C1; Turquoise 613 to 1330;"SGLRS";  
Venus to 2058; MCS to stop codon @ 2106.  
Kan/Neo Resistance.

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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 ATG GAC GAG CTG TAC AAG TCC
L L E F V T A A G I	T L G M D E L Y K S
1333/241	1363/251
GGA CTC AGA TCT GTG AGC AAG GGC GAG GAG	CTG TTC ACC GGG GTG GTG CCC ATC CTG GTC
G L R S V S K G E E	L F T G V V P I L V
1393/261	1423/271
GAG CTG GAC GGC GAC GTA AAC GGC CAC AAG	TTC AGC GTG TCC GGC GAG GGC GAG GGC GAT
E L D G D V N G H K	F S V S G E G E G D
1453/281	1483/291
GCC ACC TAC GGC AAG CTG ACC CTG AAG CTG	ATC TGC ACC ACC GGC AAG CTG CCC GTG CCC
A T Y G K L T L K L	I C T T G K L P V P
1513/301	1543/311
TGG CCC ACC CTC GTG ACC ACC CTG GGC TAC	GGC CTG CAG TGC TTC GCC CGC TAC CCC GAC
W P T L V T T L G Y	G L Q C F A R Y P D
1573/321	1603/331
CAC ATG AAG CAG CAC GAC TTC TTC AAG TCC	GCC ATG CCC GAA GGC TAC GTC CAG GAG CGC
H M K Q H D F F K S	A M P E G Y V Q E R
1633/341	1663/351
ACC ATC TTC TTC AAG GAC GAC GGC AAC TAC	AAG ACC CGC GCC GAG GTG AAG TTC GAG GGC
T I F F K D D G N Y	K T R A E V K F E G
1693/361	1723/371
GAC ACC CTG GTG AAC CGC ATC GAG CTG AAG	GGC ATC GAC TTC AAG GAG GAC GGC AAC ATC
D T L V N R I E L K	G I D F K E D G N I
1753/381	1783/391
CTG GGC CAC AAG CTG GAG TAC AAC TAC AAC	AGC CAC AAC GTC TAT ATC ACC GCC GAC AAG
L G H K L E Y N Y N	S H N V Y I T A D K
1813/401	1843/411
CAG AAG AAC GGC ATC AAG GCC AAC TTC AAG	ATC CGC CAC AAC ATC GAG GAC GGC GGC GTG
Q K N G I K A N F K	I R H N I E D G G V
1873/421	1903/431
CAG CTC GCC GAC CAC TAC CAG CAG AAC ACC	CCC ATC GGC GAC GGC CCC GTG CTG CTG CCC
Q L A D H Y Q Q N T	P I G D G P V L L P
1933/441	1963/451
GAC AAC CAC TAC CTG AGC TAC CAG TCC AAG	CTG AGC AAA GAC CCC AAC GAG AAG CGC GAT
D N H Y L S Y Q S K	L S K D P N E K R D
1993/461	2023/471
CAC ATG GTC CTG CTG GAG TTC GTG ACC GCC	GCC GGG ATC ACT CTC GGC ATG GAC GAG CTG
H M V L L E F V T A	A G I T L G M D E L

2053/481

2083/491

|  
TAC AAG GAA TTC TGC AGT CGA CGG TAC CGC GGG CCC GGG ATC CAC CGG ATC TAG  
Y K E F C S R R Y R G P G I H R I \*

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