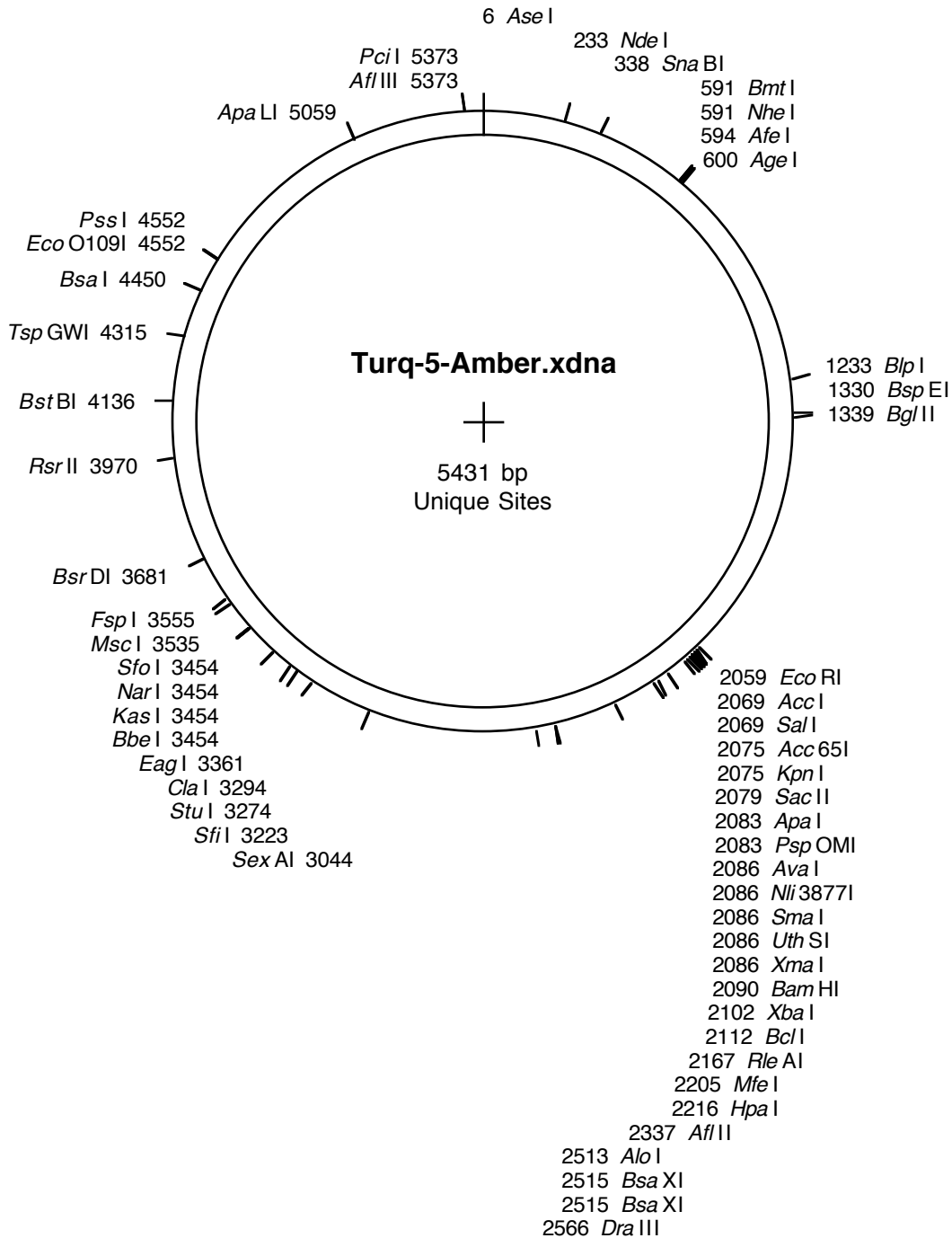


Turq-5-Amber.xdna -> Graphic Map

DNA sequence 5431 bp TAGTTATTAATA ... ACCGCCATGCAT circular

Turquoise-5AA-Amber. TurquoiseC1 replaces Teal in vector; Turquoise 613...1320, 5AA linker, Amber from 1330 to 2106. Kan/Neo Resistance.



Turq-5-Amber.xdna [613 to 2106] -> Translate • 1-frame

DNA sequence 5431 bp TAGTTATTAATA ... ACCGCCATGCAT circular

Turquoise-5AA-Amber. TurquoiseC1 replaces Teal in vector; Turquoise 613...1320, 5AA linker, Amber from 1330 to 2106. Kan/Neo Resistance.

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

```

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 CTC 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 TgC GGC CTG CAG TGC TTC GCC CGC TAC CCC GAC
W   P   T   L   V   T   T   L   G   C   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 AAA 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	*		

///