

1/1
|
ATG CCC TTC CTG CTG GAC GTG GTG TGC GGC GGA CTG ATC CTG CTG CTG GGA ACC GAA ATC
M P F L L D V V C G G L I L L L G T E I

61/21
|
CTG TGG GTC GCT GGC GCT CAG AAA CGC TGC GAC AAA GAT ATC ACA ATG GTG ACC AAG AGC
L W V A G A Q K R C D K D I T M V T K S

121/41
|
AAA TGT CAC AGT TGC AGC CTG TCT CAT CTG GCT AAA TGC CCT AAC GGA TAC GCC AAG ATG
K C H S C S L S H L A K C P N G Y A K M

181/61
|
CCT CCA GGC ACT AGC GAC AGG GAT TGT CGC TAC TAT GTG ACA CCC GCA TTC TCC ATC TCA
P P G T S D R D C R Y Y V T P A F S I S

241/81
|
GGA TGT TCT TTC AAC TGC TTT AAG GAG GTG GTC GAA CCT CAG TGT TGC AGG GGT TAT TGG
G C S F N C F K E V V E P Q C C R G Y W

301/101
|
GGA AAT GAT TGT ATG GAG TGC CCT GGC AGT GCT AGC ACC CCA TGT TCA AAC AAT GGT GTG
G N D C M E C P G S A S T P C S N N G V

361/121
|
TGC AGT GAC GGA ATC GCT GGT AAC GGA ACA TGT ACC TGC GCT TCT GGC TTC ACT GGT GCT
C S D G I A G N G T C T C A S G F T G A

421/141
|
GCC TGT GAG GAA TGC AAA ACC GAC CTG TAC GGA CCA ACT TGC TCC AAC GTG TGT CGC TGC
A C E E C K T D L Y G P T C S N V C R C

481/161
|
AAA AAT GGC CTG TGT AGC TCT GGT CTG AAG GGC ACT GGA GAG TGT ACA TGC TTT TCT GGA
K N G L C S S G L K G T G E C T C F S G

541/181
|
TAT ACA GGC CTG GAT TGC GCC CAG GAA CTG CCC GCA TGT GCA GCT CTG CAG TGC GGA CCT
Y T G L D C A Q E L P A C A A L Q C G P

601/201
|
GAC TCC AGA TGT ATC GAG GAA ATG CTG ACT GGT CAG CTG GTG TGT AAG TGC AAA CCT GGA
D S R C I E E M L T G Q L V C K C K P G

661/221
|
TAC CAG GGA GAT GGC GTC CAG TGC ACC TCT ATT AAC CCA TGT CTG AGG TCC GTC TGC CAC
Y Q G D G V Q C T S I N P C L R S V C H

721/241

GCT AAC GCC GTG TGT GCT CAC ACT GGA CCT
A N A V C A H T G P

751/251

AAT AAA CAT GTG TGT ACT TGC ACA GAG GGC
N K H V C T C T E G

781/261

TAC AGC GGT GAT GGA AGG GTC TGT ATG CCT
Y S G D G R V C M P

811/271

ATC GAC CCA TGC CAG ACT AAC CTG GGA AAT
I D P C Q T N L G N

841/281

TGC ACC TCT GGC TCC ACT CGC TGT GTG TAT
C T S G S T R C V Y

871/291

GAC GGC CCA GGT AAA GCT CAC TGT GAG TGC
D G P G K A H C E C

901/301

CTG AAA GGA TTC GAG AAG TTT GTC GAA GGA
L K G F E K F V E G

931/311

CAG GGC TGC TCT ATC ATT GAC CTG TGT AAA
Q G C S I I D L C K

961/321

CCC GAT TCC TGC CAT AAG TAC GCC ACT TGT
P D S C H K Y A T C

991/331

GCA ACA GCT GAA CCT GGC ACC GTG GAG TGT
A T A E P G T V E C

1021/341

AAC TGC AGA GAA GGT TAT ATC GGT AAT GGA
N C R E G Y I G N G

1051/351

AAG ATT TGT TTC GGA GAT ATC ATT CAG CAG
K I C F G D I I Q Q

1081/361

CTG AAC GAG ATG AAT TCT AAA CCT GGA GGC
L N E M N S K P G G

1111/371

AAA TGG ACA GGC CAG CTG TCC TCA GCC ATC
K W T G Q L S S A I

1141/381

ACC CTG TTC AAC CAA GTG ACT GGT TGG TTT
T L F N Q V T G W F

1171/391

CTG ACA GCA AGG GGA CCC TTC ACT GTC TTT
L T A R G P F T V F

1201/401

GTG CCT GTC AAT AAG GCT TTT AAA GGA ACA
V P V N K A F K G T

1231/411

AGT GTG AAA AGC CTG CTG GCC GAC GAG ATG
S V K S L L A D E M

1261/421

AAA GCC CGC TAC CTG GCA AAG CTG CAC GTG
K A R Y L A K L H V

1291/431

GTC GCT GGA GAG GTG AAC TCA GAA AGT CTG
V A G E V N S E S L

1321/441

AAG AAA GGC ATC CTG TTC CAT ACC CTG ACT
K K G I L F H T L T

1351/451

GGC ATG GGT GCT GAG TCA ATG ATC GAT GCC
G M G A E S M I D A

1381/461

GAA CAG GTG AAG ATT CGC CTG CAC GGT AGT
E Q V K I R L H G S

1411/471

AGA AAG AAA GGA GCC CTG GTC GAG TCC GAC
R K K G A L V E S D

1441/481

ATT TTT GCA TCA AAC GGA ATG ATC CAT CTG
I F A S N G M I H L

1471/491

ATT GAC AAA CTG ATG GAT GCT GTG CCT AGT
I D K L M D A V P S

1501/501

ACA GTC ATC AGC GAG AAG GAG GAA AGC CTG
T V I S E K E E S L

1531/511

CTG GAA ATT CTG TCT AAG AAC GGA AAA TTC
L E I L S K N G K F

1561/521

TCT CAG TTT AAA TCC CTG CTG GAG AAG ACA
S Q F K S L L E K T

1591/531

AAT GTG GCA ACC GTC CTG GAG GAA GAT GGC
N V A T V L E E D G

1621/541

CCA TAC ACC CTG TTC GCT CCC ACT AAC GTG
P Y T L F A P T N V

1651/551

GCC TTT GCA CTG ATG AAA CCA GAC TAC CTG
A F A L M K P D Y L

1681/561

GCC TAT CTG AAG AGC GAG GAA GGA AAG ACC
A Y L K S E E G K T

1711/571

AAA CTG CTG GAG CTG ATG AGA AAC CAC ATC
K L L E L M R N H I

1741/581

GTG GCA ACA ACC CCC CTG TCC GCT TAT GTG
V A T T P L S A Y V

1771/591

ATT GTC TCA AAT CCT AGG GCT GTG ACA ATG
I V S N P R A V T M

1801/601

GCT GAG CAG ATC CTG ACT TTC AAC GTC ACT
A E Q I L T F N V T

1831/611

ACA GCC GGT CAG ATC CTG GTG AAT GGA GAG
T A G Q I L V N G E

1861/621

TCT GTC ATT GAA CTG GAT GTG GAG GCA AAA
S V I E L D V E A K

1891/631

AAC GGC CGC CTG CAC TCA CTG GAG GGT CTG
N G R L H S L E G L

1921/641

CTG ATC CCC CCT AGT ATC GAA CCC ATT CTG
L I P P S I E P I L

1951/651

CCT CAT AGA TGC GAC ATC ATT AAG CCT ATC
P H R C D I I K P I

1981/661

AAA TAC ATG GCT CCA TGT GTG AGC TGC ACC
K Y M A P C V S C T

2011/671

CTG ATT AGC AAA TCT ACC TGC CCC ACT GGA
L I S K S T C P T G

2041/681

GAG TCT CTG AAG GCC TAT AGA AGG GGC TGT
E S L K A Y R R G C

2071/691

GTG TTT AAC AAG AAA CAG CTG GGA CTG TCT
V F N K K Q L G L S

2101/701

CTG CCT TCC ATC GGC TGT TCT CAC ATT TGC
L P S I G C S H I C

2131/711

AAT GAT ACT AAA ACC ACT CCA CAG TGT TGC
N D T K T T P Q C C

2161/721

AAG GGT TTC TTT GGA CCC GAC TGT TCA CCC
K G F F G P D C S P

2191/731

TGC CCT GGT GGA TTC ACA ACC CCC TGT AGT
C P G G F T T P C S

2221/741

AGC CAC GGA ACC TGC AGT GAG GGT ATC GAC
S H G T C S E G I D

2251/751

GGA AAC GGC ACT TGT CAG TGC GAA CCT AAG
G N G T C Q C E P K

2281/761

|
TTT AAA GGA AGC AGA TGT CAG TAC TGC GCA
F K G S R C Q Y C A

2311/771

|
GAT TCC AAC AAA TAT GGC CCT AAT TGC GAC
D S N K Y G P N C D

2341/781

|
AAG ACA TGT TGG TGC ATC CAC GGT ACC TGT
K T C W C I H G T C

2371/791

|
GAT AAC CAT CCA GAG GCT TCT GGA AAG TGT
D N H P E A S G K C

2401/801

|
AAA CAG GGC AGT TGC AAG GAC GGC TAC ACT
K Q G S C K D G Y T

2431/811

|
GGA GAG TAT TGT GAA CTG CAG ACA CAG CCA
G E Y C E L Q T Q P

2461/821

|
TGT GGA CCC AAT CAG CCT TGC CAC GCT CAT
C G P N Q P C H A H

2491/831

|
GCC AAC TGT GTC TCC AAT AAA GGT GCT TTC
A N C V S N K G A F

2521/841

|
ACA TGT GTG TGC AAG CCT GGA TTT CAG GGT
T C V C K P G F Q G

2551/851

|
GAT GGA TAC ATG TGC ATG GAG TCT GAC CCT
D G Y M C M E S D P

2581/861

|
TGT GCA CTG CCA CAC AGA GGC GGT TGC TCC
C A L P H R G G C S

2611/871

|
AAA AAC GCT ATC TGT ATT AAG ACT GGC CCA
K N A I C I K T G P

2641/881

|
GGT ACA CAT AAG TGT AAA TGC CTG AGT GGT
G T H K C K C L S G

2671/891

|
TGG CGC GAA GAC GGA GAT GAG TGC CAG GCC
W R E D G D E C Q A

2701/901

|
ATC AAC AAT TGT CTG GAC CCT AGC AGA GGA
I N N C L D P S R G

2731/911

|
GGC TGC CAC CCA AAT GCC ACT TGT ATC TAC
G C H P N A T C I Y

2761/921

|
GTG GGA CCA GGC CAG ATT GAC TGT GCA TGC
V G P G Q I D C A C

2791/931

|
AAA AGC GGA TAT CAT GGT AAC GGA AGG GAG
K S G Y H G N G R E

2821/941

|
TGC GAA CCC GTG AAT CAG TGT GTC GAG CAG
C E P V N Q C V E Q

2851/951

|
AAG GGT GGA TGC CAC TTC CTG GCT ACA TGT
K G G C H F L A T C

2881/961

|
CAG TTT CTG AAC CCT GAT GGA TGG CAT TGT
Q F L N P D G W H C

2911/971

|
GTG TGC GAG GAC GGC TAC GCC GGC GAT GGT
V C E D G Y A G D G

2941/981

|
AAA ATC TGC TAT GGC ACT CTG CTG CAG GAG
K I C Y G T L L Q E

2971/991

|
GTC TCC ACA AAC CCC GAC CTG CTG GGA TTC
V S T N P D L L G F

3001/1001

|
AAT CAG TGG ATT TCA AAG GCT GAG CTG TCA
N Q W I S K A E L S

3031/1011

|
CAG CTG CTG AGT GAG AGA GAA AAC CTG ACT
Q L L S E R E N L T

3061/1021

|
CTG TTC GTG CCT TCA GCA CAG GCT ATC GAG
L F V P S A Q A I E

3091/1031

|
AAG ATG AGT AAA GAA GAC AAG GAT TTT TGG
K M S K E D K D F W

3121/1041

|
ATG ACA CCC AGC AAC CTG CCT TCT CTG GTG
M T P S N L P S L V

3151/1051

|
AAA AAT CAC ATT CTG TCC GGA TCA TTT ACA
K N H I L S G S F T

3181/1061

|
CTG AGC GAT CTG AAT ACC AGT CCA AGC CCA
L S D L N T S P S P

3211/1071

|
CCC CCT AGA CTG GTC AGC CTG CTG AAG AGG
P P R L V S L L K R

3241/1081

|
ACT CTG CCC GTG TAC TCT ACA AAC GAC ACT
T L P V Y S T N D T

3271/1091

|
ACA ATC GTC GCC GGC GGT AAA ATT ACC TTC
T I V A G G K I T F

3301/1101

|
GGT GAT ATG GCC GCA AAG AAT GGA GTC ATC
G D M A A K N G V I

3331/1111

|
CAC CTG ATT GAC ACT GTG CTG ATC CCT GAG
H L I D T V L I P E

3361/1121

|
CAG CAG ATG TCC GAA GGC CTG CTG CAG GTG
Q Q M S E G L L Q V

3391/1131

|
CTG AAG AAG AGA AGC GAC CTG AGT CTG TTT
L K K R S D L S L F

3421/1141

|
TAT GGA AGT CTG CTG AAC CAT AAT CTG ACA
Y G S L L N H N L T

3451/1151

|
AAC GAG ATG GAG GAA AGC CTG GGC TTC ACA
N E M E E S L G F T

3481/1161

|
GTG TTT GCT CCA ACC GAC AAT GCC ATC CAG
V F A P T D N A I Q

3511/1171

|
GAT TAC CTG AAA AGA ACC GGA AAG GAG AGC
D Y L K R T G K E S

3541/1181

|
CTG GAC CTG AAC GTG ACC ATG TAT CAC ATC
L D L N V T M Y H I

3571/1191

|
ATT CTG ACT GAA ATT CTG AAA GAC GTG GAT
I L T E I L K D V D

3601/1201

|
CTG GTC GAC GGC CTG TAC AAG GAT ACA ATG
L V D G L Y K D T M

3631/1211

|
CTG GGC TTC CAG TAT CAG CTG GGT TTC TTT
L G F Q Y Q L G F F

3661/1221

|
CGC CAG GAT AAA AGA CTG CTG GTG AAC GAG
R Q D K R L L V N E

3691/1231

|
GCT GAA GTG AAT GTC ACC GAC CTG GAG ACT
A E V N V T D L E T

3721/1241

|
AGC AAG GGA GTC ATC CAC ATC ATT AGC GCC
S K G V I H I I S A

3751/1251

|
GTG CTG AAC ATT CCA TCT AAT AGG TGT GAT
V L N I P S N R C D

3781/1261

|
AAA GCA ACC TCC ATC CTG TTC TCA GGA CGC
K A T S I L F S G R

3811/1271

|
TGT ATG GAC TGC TTT CAG ACA ATC ATT AAC
C M D C F Q T I I N

3841/1281

CCA TGC CCC TCC GGC ACC AAG AAA GTG ATG
P C P S G T K K V M

3871/1291

TCA AGG AAG CGC AGA TGT ATG TAC TCT CGC
S R K R R C M Y S R

3901/1301

GTC CTG CAC GGC GAT ACA CTG CTG ACC ATC
V L H G D T L L T I

3931/1311

GGT TGT AAA TTT TCA TGC GAG AAG ATG ACA
G C K F S C E K M T

3961/1321

ATC GAA AGA ATT TGT TGC AGT GGA CAT TAT
I E R I C C S G H Y

3991/1331

GGC ATT AAC TGT GAG AAA TGC CCT GGC AGT
G I N C E K C P G S

4021/1341

GAA GAT CAG AGC TGC TTC GGA AAC GGC ATC
E D Q S C F G N G I

4051/1351

TGT AAG GAC GGA ATT AAT GGT ACC GGA GTG
C K D G I N G T G V

4081/1361

TGT CTG TGC AAC CAG GGT TTT AAT GGA ACT
C L C N Q G F N G T

4111/1371

GCC TGT GAG AGC TGC CAG CCA GGC AAA TAC
A C E S C Q P G K Y

4141/1381

GGT ATC CAC TGC GAC CAG GAA TGT AAA TGC
G I H C D Q E C K C

4171/1391

GTG CAT GGC AGG TGT AAG GAT GGT ATT GAC
V H G R C K D G I D

4201/1401

GGC GAT GGT TCC TGT GCT TGC GAC CTG GGA
G D G S C A C D L G

4231/1411

TGG AGG GGT GTG AAC TGC GAT ATC GCC ATT
W R G V N C D I A I

4261/1421

AAA TCA GAC ATG TGT GGT GGC AAG TGC CAC
K S D M C G G K C H

4291/1431

TCT TCC GCC AAC TGT CTG GTG AAT GTG GTC
S S A N C L V N V V

4321/1441

GAT TCA AGT TAC TAT TGT TCA TGC GCT GCC
D S S Y Y C S C A A

4351/1451

GGA TTC CAG GGA AAC GGC ACC TAC TGC GAG
G F Q G N G T Y C E

4381/1461

GCA ATC GAC GCC TGT GCA GAA AGA AAT GGT
A I D A C A E R N G

4411/1471

GGA TGC AGC GCT CAC GCC GTG TGT AAA AGG
G C S A H A V C K R

4441/1481

ACA CTG CCT GGC AGG CGC ATC TGT ATG TGC
T L P G R R I C M C

4471/1491

CAT CCA GGT TAT GAG GGT GAC GGA AAG GTG
H P G Y E G D G K V

4501/1501

TGC ACC AGT ATT AAC CCT TGT CTG GAT GGC
C T S I N P C L D G

4531/1511

GTC AAT GGC GGT TGC CAC GCA GAC AGC AAC
V N G G C H A D S N

4561/1521

TGT ATC CAT ACT GGA CCA AAT AAA ACA GCT
C I H T G P N K T A

4591/1531

TGT CAC TGC AAG GAG GGA TTT TAC AAA GAT
C H C K E G F Y K D

4621/1541

|
GGC AAG AAC TGC GAG CTG ATC AAT CTG TGT
G K N C E L I N L C

4651/1551

|
AAG GAG AAG AAC GGA GGC TGC CAC CGC GCA
K E K N G G C H R A

4681/1561

|
GCT ATT TGT ACA ATG ACC GGT CCT CTG CAG
A I C T M T G P L Q

4711/1571

|
AGA AAT TGT ACA TGC CAT GCT GGA TAC GTG
R N C T C H A G Y V

4741/1581

|
GGC GAC GGA GAG ATT TGT AAG TAT ACC CTG
G D G E I C K Y T L

4771/1591

|
CAG AGA GAA CTG CCA ATT GGA ACT GCC AGG
Q R E L P I G T A R

4801/1601

|
ACA GCA TTC GTG AAA GCA ATG TTT AAG AAC
T A F V K A M F K N

4831/1611

|
CGC ATC TAC GAG CTG GAT ACC AGA GGC CCT
R I Y E L D T R G P

4861/1621

|
TTC ACT GTC TTC GCT TTC AGA AGT GAA AAC
F T V F A F R S E N

4891/1631

|
TAC AAG AAC CAG AGC ATT GAC CTG CTG AAG
Y K N Q S I D L L K

4921/1641

|
AGG ACA CCA GAG AAT ACC AGA ATC ATG AGG
R T P E N T R I M R

4951/1651

|
TAC CAC ATT GTG TGT TGC AGA ACA CTG CTG
Y H I V C C R T L L

4981/1661

|
CCC CAG GAT CTG ATG CAG CCT AGG AAC CTG
P Q D L M Q P R N L

5011/1671

|
ACC ACT CTG AGC GGA GAC ATC CTG TCT ATT
T T L S G D I L S I

5041/1681

|
ACA TAC TCC GAG AAC ACC ATC TAC ATC AAC
T Y S E N T I Y I N

5071/1691

|
AAC AAG GCC AAG GTG CTG TTT TCC GAT ATC
N K A K V L F S D I

5101/1701

|
GAG AGC TCT AAC GGC ATC CTG CAT GAA ATT
E S S N G I L H E I

5131/1711

|
GAC TCA GTG CTG GTC CCA CCC GGA CTG GAG
D S V L V P P G L E

5161/1721

|
ATT CGC GAA GAC AAG AAA CAG GAT ATC ATT
I R E D K K Q D I I

5191/1731

|
CCT AGA AAC TTC TCA GAA GTG GCA AGT GCT
P R N F S E V A S A

5221/1741

|
AAC GGA TTC AAG ACC TTC TTT AAG CTG CTG
N G F K T F F K L L

5251/1751

|
GAG GAC ACT GAT ACA CTG AAA CTG GTC ATG
E D T D T L K L V M

5281/1761

|
GAC CCA ATC CAC CAG CCC GTG ACT CTG TTC
D P I H Q P V T L F

5311/1771

|
ATG CCA ACA GAC GAT GCT ATG AGC GCC CTG
M P T D D A M S A L

5341/1781

|
TCT CAG GAA CAG AAA GAT TTT CTG TAC GCC
S Q E Q K D F L Y A

5371/1791

|
ATG CAC AAC AGA GAC AAG CTG TCT GAG TAC
M H N R D K L S E Y

5401/1801

|
CTG AGG TAT CAT ATC CTG CGC GAT ACT AAA
L R Y H I L R D T K

5431/1811

|
CTG ATG GCC TCC GAG CTG ATT TAC GCA TCC
L M A S E L I Y A S

5461/1821

|
TCA CTG AAG ACA CAG CAG GGA AGC GAC CTG
S L K T Q Q G S D L

5491/1831

|
TCA GTG GCA TGC ATG GGA GAG GAA CAG ATC
S V A C M G E E Q I

5521/1841

|
GGA GAG CTG TAT GTC AAC CAC AAA GGA TGT
G E L Y V N H K G C

5551/1851

|
AGG ATT GTG AAG CGC TAC CTG GAT TTC AAC
R I V K R Y L D F N

5581/1861

|
GGT GGA ATG ATC TAT GGC ATT GAC TGC CTG
G G M I Y G I D C L

5611/1871

|
CTG AAT CCT CCA TCC CTG GGC GGT AGA TGT
L N P P S L G G R C

5641/1881

|
GAT CAT AGG CAG ACT ATC GAC TTT ACA CTG
D H R Q T I D F T L

5671/1891

|
GCC TGT AGA AGC TGC GGA AGT AGC ATT ATG
A C R S C G S S I M

5701/1901

|
GAT TGC CCA CTG GGC TCT AAG CCT GGA GGA
D C P L G S K P G G

5731/1911

|
GAG CAG GAA TGT GTC CTG CCA GAC AGT GTG
E Q E C V L P D S V

5761/1921

|
ATC AGC AGA GGA TCT AAA TGT CAG TCT ACA
I S R G S K C Q S T

5791/1931

|
TGC AAG GTG GTC GTG TGG AAG CCC AAA TGT
C K V V V W K P K C

5821/1941

|
TGC TCC GGT TAC TAT GGA AGG GAT TGT CTG
C S G Y Y G R D C L

5851/1951

|
GCA TGC CCA GGT GGA CCC CAG TCC CCT TGC
A C P G G P Q S P C

5881/1961

|
TCA AAC CAC GGC AAA TGT GAC GAG GAT CAT
S N H G K C D E D H

5911/1971

|
CTG GGA AAT GGC ACC TGT ACT TGC GAC ACC
L G N G T C T C D T

5941/1981

|
GGC TTC ACT GGT GTG GCT TGT GAG TCT TGC
G F T G V A C E S C

5971/1991

|
CTG GAT GGA CAC TTT GGC CCT GAC TGC AAG
L D G H F G P D C K

6001/2001

|
GCT TGT AAC TGC ACA GAG CAT GGC TCC TGT
A C N C T E H G S C

6031/2011

|
GAT GAA GGT CTG CAG GGT ACA GGA TCA TGT
D E G L Q G T G S C

6061/2021

|
TTC TGC GAG GAA GGT TGG ACC GGA CCA CAG
F C E E G W T G P Q

6091/2031

|
TGC GAG AAC AAA CTG GCA GAT GGA CCC GTG
C E N K L A D G P V

6121/2041

|
TGT AAG TAC TGG AAT GGC GGT TGC AGT AAA
C K Y W N G G C S K

6151/2051

|
GAC GCT AAG TGT AGC CAG AAA GGA GAG AAA
D A K C S Q K G E K

6181/2061

|
GTG AGC TGT GCC TGC CTG CAG GGA TTC TCT
V S C A C L Q G F S

6211/2071

|
GGC GAC GGT TTT GTC TGC ACC CCA ATC GAC
G D G F V C T P I D

6241/2081

|
CCC TGT GTG GAT GGA GAG AAC GGA GGC TGC
P C V D G E N G G C

6271/2091

|
CAC GAA CAT GCT ACA TGT ACC ATG ACT GGA
H E H A T C T M T G

6301/2101

|
CCA GGC AAG CGC AAG TGT GAG TGC AAA GAT
P G K R K C E C K D

6331/2111

|
TCT TAC GTG GGT GAC GGA ATC GAT TGC GAA
S Y V G D G I D C E

6361/2121

|
GCC AAG GTG CTG CCC GTC AAC AGA TGT CTG
A K V L P V N R C L

6391/2131

|
GTC GAC AAT GGA CAG TGC CAC TCA GAC GCA
V D N G Q C H S D A

6421/2141

|
CAG TGT ACC GAT CTG CAC CAT GAG GAC AAA
Q C T D L H H E D K

6451/2151

|
ACT CTG GGT GTG TTC CAT TAT AGA AGT ACA
T L G V F H Y R S T

6481/2161

|
AAC GGA ACC TAC AAA CTG AAT TAT ACT ATG
N G T Y K L N Y T M

6511/2171

|
GCA CAG GAA GCT TGT AAG GAG GCA GGC AGC
A Q E A C K E A G S

6541/2181

|
ACT ATC GCT ACA TAC ATG CAG CTG TCC TAT
T I A T Y M Q L S Y

6571/2191

|
GCC CAG CAG GCA GGA TAC TCA CTG TGC ACA
A Q Q A G Y S L C T

6601/2201

|
GCT GGC TGG CTG GAT AAA GCT CGC GTG GCC
A G W L D K A R V A

6631/2211

|
TAT CCA ATG AGT TTC TCT TCC CCC AGA TGT
Y P M S F S S P R C

6661/2221

|
GGC AGC GGT CAC GTG GGA ATC GTC GAC TAC
G S G H V G I V D Y

6691/2231

|
GGC GTG AGG AAC AAT CTG AGC GAG ACC TGG
G V R N N L S E T W

6721/2241

|
GAT ACT TTT TGC TAC CGC GTG AAG GAC GTC
D T F C Y R V K D V

6751/2251

|
CAG TGT AAG TGC AAA ACA GGC TAT ATC GGA
Q C K C K T G Y I G

6781/2261

|
GAT GGC TTC AGT TGT ATT GGT AAC CTG ATG
D G F S C I G N L M

6811/2271

|
CAG GTG CTG AGC GCC ACA CCC ACC CTG AGC
Q V L S A T P T L S

6841/2281

|
AAC TTT CTG TCT CAG ATC CTG AAT TAC TCT
N F L S Q I L N Y S

6871/2291

|
ACC TCC GCA TCA GGA AAG GCT TTC GTG AAC
T S A S G K A F V N

6901/2301

|
AGA CTG AGG AAT ATC ACC ATT CAG TCT ACT
R L R N I T I Q S T

6931/2311

|
CTG TTT GTC CCA GAC AAC GAT GGC CTG TAT
L F V P D N D G L Y

<p>6961/2321 AGT AAT CAG ACT CTG AGC GGT AGG GAT ATC S N Q T L S G R D I</p> <p>7021/2341 ATC CTG CAG GCA CTG ATT AAC GTG ACA CAC I L Q A L I N V T H</p> <p>7081/2361 ATT ACA GGA GTG CCA GAC CTG CAG AAC CCC I T G V P D L Q N P</p> <p>7141/2381 GAT AGA TAT GTG ATC GAC TCT AAC ATT TTC D R Y V I D S N I F</p> <p>7201/2401 GGT CCT CTG AAG GCA CCA CCT CCA CCA ACC G P L K A P P P P T</p> <p>7261/2421 CTG GGA ATC GGC GTG CTG GGA CTG ATC ATT L G I G V L G L I I</p> <p>7321/2441 AAC TTT TAT ACA CAC AAG ACC AAA CCA TTC N F Y T H K T K P F</p> <p>7381/2461 GAA GAT GTG ACC CCT ACT GAG TCC TCA CCA E D V T P T E S S P</p> <p>7441/2481 CCA GCA ACC AAG GAG CAG CCT CCA ACC GAG P A T K E Q P P T E</p> <p>7501/2501 GTC TTC GAG CTG CTG CAG GAC TCA TGA V F E L L Q D S *</p>	<p>6991/2331 GAG CAC CAT CTG CTG GAC GGA AGG GCA CTG E H H L L D G R A L</p> <p>7051/2351 GTC CGC ACC AGA CTG GGT TCA AGT CTG ACT V R T R L G S S L T</p> <p>7111/2371 CAG AAA ATG ACA AGC TCT GGC TAC ATC AAT Q K M T S S G Y I N</p> <p>7171/2391 GCT TCC AAT GGC GTG ATT CAT GTC CTG CAG A S N G V I H V L Q</p> <p>7231/2411 CCT TCC TTT CAC CCA GCA CAT CAG GCT GGT P S F H P A H Q A G</p> <p>7291/2431 CTG ATT GTC GTG GCT GGC TTC GTC GGT TAC L I V V A G F V G Y</p> <p>7351/2451 CAG TTT TAC TAT TTC AAA GGA GAC GAG GGC Q F Y Y F K G D E G</p> <p>7411/2471 AAC ATC AGC AAT CCA GTC TAC GAC GCA GCA N I S N P V Y D A A</p> <p>7471/2491 GAG GAC AAA CAT CAG GTC ATC TCA AGT GGC E D K H Q V I S S G</p>
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Supplemental Figure S4. Translation of zebrafish *stab2* cDNA used for mRNA rescue. DNA sequence has been modified to optimize codon usage and avoid MO binding. Protein sequence has not changed.