

Ubi-mCherry-Abi

7710 7720 7730 7740 7750 7760 7770
CCATCGGGTACCGATGGTGAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTTCATGCGCTTC
M V S K G E E D N M A I I K E F M R F >

7780 7790 7800 7810 7820 7830 7840
AAGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCGAGGGCCGCCCT
K V H M E G S V N G H E F E I E G E G E G R P >

7850 7860 7870 7880 7890 7900 7910
ACGAGGGCACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCCCTTCGCCTGGGACATCCT
Y E G T Q T A K L K V T K G G P L P F A W D I L >

7920 7930 7940 7950 7960 7970 7980
GTCCCCCTCAGTTCATGTACGGCTCCAAGGCCTACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAG
S P Q F M Y G S K A Y V K H P A D I P D Y L K >

7990 8000 8010 8020 8030 8040 8050
CTGTCCCTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAGGACGGCGGCGTGGTGACCGTGA
L S F P E G F K W E R V M N F E D G G V V T V >

8060 8070 8080 8090 8100 8110 8120
CCCAGGACTCCTCCCTGCAGGACGGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTC
T Q D S S L Q D G E F I Y K V K L R G T N F P S >

8130 8140 8150 8160 8170 8180 8190
CGACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCCTCCTCCGAGCGGATGTACCCCCGAGGAC
D G P V M Q K K T M G W E A S S E R M Y P E D >

8200 8210 8220 8230 8240 8250 8260
GGCGCCCTGAAGGGCGAGATCAAGCAGAGGCTGAAGCTGAAGGACGGCGGCCACTACGACGCTGAGGTCA
G A L K G E I K Q R L K L K D G G H Y D A E V >

8270 8280 8290 8300 8310 8320 8330
AGACCACCTACAAGGCCAAGAAGCCCCTGCAGCTGCCCGCGCCTACAACGTCAACATCAAGTTGGACAT
K T T Y K A K K P V Q L P G A Y N V N I K L D I >

8340 8350 8360 8370 8380 8390 8400
CACCTCCCACAACGAGGACTACACCATCGTGGAAACAGTACGAACGCGCCGAGGGCCGCCACTCCACCGGC
T S H N E D Y T I V E Q Y E R A E G R H S T G >

8410 8420 8430 8440 8450 8460 8470
GGCATGGACGAGCTGTACAAAGCCGGCCGCATGTTGACCGAAACCCCATGGCCAGCGAGAACATCATGG
G M D E L Y K A G R M L T E T P M A S E N I M >

8480 8490 8500 8510 8520 8530 8540
ACGAAGTACGCTCTCTGATACGCACCGAGATCCCCGATGGCCGCCAGAGTCTGCGGGACAGCTACACGAA
D E L A S L I R T E I P D G R Q S L R D S Y T N >

8550 8560 8570 8580 8590 8600 8610
CCTGGAGCGGGTGGCCGACTACTGCGAGGACACCTACTACCGCGCGACAACAAGAAGCGGCCCTGGAG
L E R V A D Y C E D T Y Y R A D N K K A A L E >

8620 8630 8640 8650 8660 8670 8680
GCCACCAAGAAGTACACCACCCAGTCGCTGGCCAGCGTGGCCCTACCAGATTAACACGCTCGCCTATAGCT
A T K N Y T T Q S L A S V A Y Q I N T L A Y S >

8690 8700 8710 8720 8730 8740 8750
ACATGCAGCTCCTCGAGCTTCAGGCCCAGCAGCTCGGCGAGATGGAGTCCCAGATGAACCACATCGCCCA
Y M Q L L E L Q A Q Q L G E M E S Q M N H I A Q >

8760 8770 8780 8790 8800 8810 8820

GACGGTGCATATCCACAAGGAGAAGGTGGCCAGGAGGTAAGAACAACAAATTGCTTAAACTAGAAATAGGA
T V H I H K E K V A R R>

8830 8840 8850 8860 8870 8880 8890
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8900 8910 8920 8930 8940 8950 8960
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8970 8980 8990 9000 9010 9020 9030
GAACGTCTCTTTCTTCATTCTTTCTACATAACTATTTAGTTTTTTCAATTCACCTTTATTTGTATTAAT

9040 9050 9060 9070 9080 9090 9100
TATTTTTGATTATCTTCATTGTCTTTCTCAGAGAGATTGGCGTGCTTACGGCTAACAAGGTGAGCTCGC
E I G V L T A N K V S S>

9110 9120 9130 9140 9150 9160 9170
GCCAGTTTTAAGATCGTGGCGCCCATCAATCCGGAGAAGCCCATCAAGTATGTGCGCAAGCCCATCGACTA
R Q F K I V A P I N P E K P I K Y V R K P I D Y>

9180 9190 9200 9210 9220 9230 9240
CTCGATGTTGGACGAGATTGGCCACGGCATTAACTCGGCCAGCACTCGCAGGTGCGACAGAAACATCGG
S M L D E I G H G I N S A Q H S Q V R Q K H R>

9250 9260 9270 9280 9290 9300 9310
GGCTCCAGCCATGGGTCCGTGCAATCCTTATTGCCGCCGTGCGTGGGACCTCCGCCAACACGAAGCCCC
G S S H G S V Q S L L P P S V G P P P T T K P>

9320 9330 9340 9350 9360 9370 9380
CAACTCCGCCGAGATGTCGCGAGCTGGGAACACTGGCACACTGGGCAAGTCGGTCAGCAATACCGGGAC
P T P P Q M S R A G N T G T L G K S V S N T G T>

9390 9400 9410 9420 9430 9440 9450
ACTGGGCAAGAGTTCGCGGGAGTACCGCACTCCGCCTGTGGTCAATCCACCACAGGTGCCATCGCACTAC
L G K S S R E Y R T P P V V N P P Q V P S H Y>

9460 9470 9480 9490 9500 9510 9520
GCTCCCAACTATCCTATTGGGCATCCAAAGCGAATGTCGACGGCTTCTTCAACGATGACTACCACCACCA
A P N Y P I G H P K R M S T A S S T M T T T T>

9530 9540 9550 9560 9570 9580 9590
CAGGCGGCGGAGCGGCGGGCAATGAACGAGCTGCTGGCTACAGTGCCTTCCGATGCCACCCAGCCAGCA
T G G G A A G N E R A A G Y S A L P M P P S Q Q>

9600 9610 9620 9630 9640 9650 9660
GATAGCCACACATGTAAACCTGCCCTCCGCGGGCATGATGCAATCGCTGCCACCACCGCCGCCACTACG
I A T H V N L P S A G M M Q S L P P P P P T T>

9670 9680 9690 9700 9710 9720 9730
TACGACGATCGCAGCAGCATGCCACGTGAGTTAATTTGATTATTCTGCAATAGCTCAATACTAATAATGC
Y D D R S S M P P>

9740 9750 9760 9770 9780 9790 9800
GGTTTTGCAATTCGTAGCAGCTCCTCCTTACCCTTACGGTTTTCGCAGCACGAGATGACCGAGCAGAGTC
A P P S P L T V S Q H E M T E Q S>

9810 9820 9830 9840 9850 9860 9870
ACATTGGCATGCACACTTTGGGACGCAATATCAACAGGTAAGTTTTCTGGAAAATGCAATCCCTTCTTTGT
H I G M H T L G R N I N R>

9880 9890 9900 9910 9920 9930 9940
GTAAATATAACCTATTTATTGTTCTCTGTGCAATCCAGGAATCCAAATAGGTAAATTGCATGTTTCTCT

9950 9960 9970 9980 9990 10000 10010
GTTTATCATAGGGTTATACTCAGCTAAAAAAGTTATACTAGGTTTTTCGTGTTTGTACTGTGTATAACTC

10020 10030 10040 10050 10060 10070 10080
CATGAAATTCATATGTTATCTTGTATATTAACGCGTATTTTTCCAAAGGAATCACTTCAGCTTGAACCTT
N H F S L N F>

10090 10100 10110 10120 10130 10140 10150
CGCTCGTCCCGGCTCACAGTCGCCTCCCTTGCCACCTCCGCCGCCGCGGAGGATGAGCATCAAGACTTC
A R P G S Q S P P L P P P P P P E D E H Q D F>

10160 10170 10180 10190 10200 10210 10220
GGACGACCACGCACATCGACGGACCGCAGCTGGCGCCCATAGTGCCCGAGGATCAGAACTTACCCGGCT
G R P R T S T G P Q L A P I V P E D Q N L P G>

10230 10240 10250 10260 10270 10280 10290
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W V P K N F I E K V>

10300 10310 10320 10330 10340 10350 10360
ACAAACATTCCAGTGGTAGCCATTTACGACTACTATGCCGACAAGGACGACGAGCTGAGCTTCCAGGAAA
V A I Y D Y Y A D K D D E L S F Q E>

10370 10380 10390 10400 10410 10420 10430
GCTCAGTGCTGTACGTGCTCAAGAAAAACGACGACGGCTGGTGGGAGGGCGTCATGGATGGTGTACC GG
S S V L Y V L K K N D D G W W E G V M D G V T G>

10440 10450 10460 10470 10480 10490 10500
TCTGTTTTCCGGGCAACTACGTAGAGCCTTGTGTCTAGTTAAGCATT TAAAATGACGATTTTATTTGTTAA
L F P G N Y V E P C V *