

UASP-mCherry-cpb

5540 5550 5560 5570 5580 5590 5600
TCATTGGTACCGATGGTGAGCAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTCATGCGCTTCA
M V S K G E E D N M A I I K E F M R F>

5610 5620 5630 5640 5650 5660 5670
AGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCGAGGGCCGCCCTA
K V H M E G S V N G H E F E I E G E G E G R P Y>

5680 5690 5700 5710 5720 5730 5740
CGAGGGCACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCCCTTCGCTGGGACATCCTG
E G T Q T A K L K V T K G G P L P F A W D I L>

5750 5760 5770 5780 5790 5800 5810
TCCCCTCAGTTCATGTACGGCTCCAAGGCCTACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAGC
S P Q F M Y G S K A Y V K H P A D I P D Y L K>

5820 5830 5840 5850 5860 5870 5880
TGTCCTTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAGGACGGCGGCGTGGTGACCGTGAC
L S F P E G F K W E R V M N F E D G G V V T V T>

5890 5900 5910 5920 5930 5940 5950
CCAGGACTCCTCCCTGCAGGACGGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTCC
Q D S S L Q D G E F I Y K V K L R G T N F P S>

5960 5970 5980 5990 6000 6010 6020
GACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCCTCCTCCGAGCGGATGTACCCCGAGGACG
D G P V M Q K K T M G W E A S S E R M Y P E D>

6030 6040 6050 6060 6070 6080 6090
GCGCCCTGAAGGGCGAGATCAAGCAGAGGCTGAAGCTGAAGGACGGCGGCCACTACGACGCTGAGGTCAA
G A L K G E I K Q R L K L K D G G H Y D A E V K>

6100 6110 6120 6130 6140 6150 6160
GACCACCTACAAGGCCAAGAAGCCCGTGCAGCTGCCCGCGCCTACAACGTCAACATCAAGTTGGACATC
T T Y K A K K P V Q L P G A Y N V N I K L D I>

6170 6180 6190 6200 6210 6220 6230
ACCTCCCACAACGAGGACTACACCATCGTGAACAGTACGAACGCGCCGAGGGCCGCCACTCCACCGGCG
T S H N E D Y T I V E Q Y E R A E G R H S T G>

6240 6250 6260 6270 6280 6290 6300
GCATGGACGAGCTGTACAAAGCTTCGAAATGCAGATGGACTGTGCTTTGGATCTGATGCGGAGGCTGCC
G M D E L Y K A S E M Q M D C A L D L M R R L P>

6310 6320 6330 6340 6350 6360 6370
GCCCCAGCAGATCGAGAAGAACCTTATTGATCTGATAGACTTGGCACC GGATCTCTGCGAGGACTTGCTC
P Q Q I E K N L I D L I D L A P D L C E D L L>

6380 6390 6400 6410 6420 6430 6440
TCCTCCGTGGACCAGCCGCTGAAGATCGCCAAGGACAAGGAGCACGGCAAGGACTATCTGCTGTGCGACT
S S V D Q P L K I A K D K E H G K D Y L L C D>

6450 6460 6470 6480 6490 6500 6510
ATAACCGGGATGGGGACTCCTACAGATCGCCCTGGTTCGAACTCCTACTATCCGCCGCTGGAGGATGGCCA
Y N R D G D S Y R S P W S N S Y Y P P L E D G Q>

6520 6530 6540 6550 6560 6570 6580
AATGCCCTCGGAACGACTGCGCAAACCTGGAAATCGAGGCGAACTATGCCTTCGATCAGTACAGGGAGATG
M P S E R L R K L E I E A N Y A F D Q Y R E M>

6590 6600 6610 6620 6630 6640 6650

TACTACGAGGGAGGCGTCTCCTCCGTCTACCTATGGGATCTGGATCACGGGTTTGCCGCCGTTATACTGA
Y Y E G G V S S V Y L W D L D H G F A A V I L>

6660 6670 6680 6690 6700 6710 6720
TCAAAAAGGCGGGAGATGGCAGCAAGATGATCCGCGGCTGCTGGGACTCCATCCATGTGGTTCGAGGTACA
I K K A G D G S K M I R G C W D S I H V V E V Q>

6730 6740 6750 6760 6770 6780 6790
GGAGAAGACCACCGGCAGGACGGCCCACTACAAGCTCACCTCCACGGCAATGCTCTGGCTGCAGACCAAC
E K T T G R T A H Y K L T S T A M L W L Q T N>

6800 6810 6820 6830 6840 6850 6860
AAACAGGGTTCGGGAACCATGAATCTGGGCGGATCCCTCACCCGGCAGCAGGAGCAGGACGCCAACGTCA
K Q G S G T M N L G G S L T R Q Q E Q D A N V>

6870 6880 6890 6900 6910 6920 6930
GCGAGTCGTCCCGCACATCGCCAACATTGGCAAGATGGTTCGAGGAGATGGAGAACAAGATCAGGAACAC
S E S S P H I A N I G K M V E E M E N K I R N T>

6940 6950 6960 6970 6980 6990 7000
CCTGAACGAGATCTACTTTGGCAAGACCAAGGACATCGTGAACGGACTAAGGAGCACACAATCACTGGCC
L N E I Y F G K T K D I V N G L R S T Q S L A>

7010 7020 7030 7040 7050 7060 7070
GATCAGCGCCAGCAGGCGGCCATGAAGCAGGACCTCGCAGCGGCCATCCTGCGACGCAATGTCAAGCCCG
D Q R Q Q A A M K Q D L A A A I L R R N V K P>

7080 7090 7100 7110 7120 7130 7140
AATCGAACTAGAGTCGACCTCGAACGTTAACGTTAACGTTAACTCGAGGAGCTTGATAACATTAT
E S N *>