

UASP-arm-mGFP6

5540 5550 5560 5570 5580 5590 5600
TCATTGGTACCAAGATGAGTTACATGCCAGCCCAGAATCGAACCATGTTCGCATAATAATCAATACAATCC
M S Y M P A Q N R T M S H N N Q Y N P>

5610 5620 5630 5640 5650 5660 5670
ACCTGATCTGCCCGGATGGTATCCGCCAAGGAGCAGACCCTCATGTGGCAGCAGAATTCGTTACTTGGGC
P D L P P M V S A K E Q T L M W Q Q N S Y L G>

5680 5690 5700 5710 5720 5730 5740
GACTCCGGCATCCACTCGGGTGCCGTGACCCAGGTTCCATCGCTGTCTGGCAAGGAGGACGAGGAGATGG
D S G I H S G A V T Q V P S L S G K E D E E M>

5750 5760 5770 5780 5790 5800 5810
AGGGAGATCCACTTATGTTTCGACCTGGACACCGGTTTCCCGCAGAATTTACACACAAGACCAAGTGGACGA
E G D P L M F D L D T G F P Q N F T Q D Q V D D>

5820 5830 5840 5850 5860 5870 5880
TATGAACCAGCAACTGAGCCAGACACGCTCCCAACGTGTACGTGCTGCCATGTTTCCGGAAACCCTGGAG
M N Q Q L S Q T R S Q R V R A A M F P E T L E>

5890 5900 5910 5920 5930 5940 5950
GAGGGCATTGAGATTCCCTCCACCCAGTTTTGATCCCCAACAGCCGACGGCAGTGCAACGTCTTTCCGGAAC
E G I E I P S T Q F D P Q Q P T A V Q R L S E>

5960 5970 5980 5990 6000 6010 6020
CGTCACAAATGCTAAAGCACGCGGTGGTCAATCTGATCAACTACCAGGACGACGCTGAGCTGGCAACCAG
P S Q M L K H A V V N L I N Y Q D D A E L A T R>

6030 6040 6050 6060 6070 6080 6090
GGCCATAACCCGAGTTGATCAAGCTGCTGAACGATGAGGATCAGGTGGTAGTTTCCAGGCCGCCATGATG
A I P E L I K L L N D E D Q V V V S Q A A M M>

6100 6110 6120 6130 6140 6150 6160
GTCCACCAGCTGTCTAAGAAGGAGGCCTCGCGACATGCCATTATGAACAGCCCTCAGATGGTAGCCGCTT
V H Q L S K K E A S R H A I M N S P Q M V A A>

6170 6180 6190 6200 6210 6220 6230
TGGTGCCTGCCATCTCTAACAGCAACGATCTGGAGAGCACCAAGGCAGCGGTAGGAACACTGCACAACCTT
L V R A I S N S N D L E S T K A A V G T L H N L>

6240 6250 6260 6270 6280 6290 6300
ATCACACCATCGCCAGGGTCTGCTGGCCATCTTCAAGAGTGGCGGCATCCCGGCACTCGTCAAGTTGCTC
S H H R Q G L L A I F K S G G I P A L V K L L>

6310 6320 6330 6340 6350 6360 6370
TCCTCGCCAGTGGAGAGTGTGCTGTTCTATGCAATTACCACTCTGCACAATTTGCTGCTCCACCAGGATG
S S P V E S V L F Y A I T T L H N L L L H Q D>

6380 6390 6400 6410 6420 6430 6440
GCTCTAAGATGGCTGTGCGCCTGGCCGGCGGGCTTCAAGAGATGGTTACTCTGCTGCAACGAAACAACGT
G S K M A V R L A G G L Q K M V T L L Q R N N V>

6450 6460 6470 6480 6490 6500 6510
TAAGTTTCTGGCTATCGTACAGATTGCTTGCAAATTTGGCCTATGGTAACCAGGAGAGCAAGTTAATA
K F L A I V T D C L Q I L A Y G N Q E S K L I>

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

6590 6600 6610 6620 6630 6640 6650

GGACCACTTCGCGGGTACTGAAAGTGCTCTCCGTTTGTCTCCAGCAACAAGCCGGCCATCGTGGATGCCGG
W T T S R V L K V L S V C S S N K P A I V D A G>

6660 6670 6680 6690 6700 6710 6720
TGAATGCAGGCGCTGGCTATGCACTTGGGTAACATGTCACCGCGCCTTGTGCAAACTGTTTGTGGACG
G M Q A L A M H L G N M S P R L V Q N C L W T>

6730 6740 6750 6760 6770 6780 6790
CTCCGCAATCTTTCGGATGCAGCCACTAAGGTGGAGGGCCTTGAAGCTTTGCTCCAATCTCTCGTCCAGG
L R N L S D A A T K V E G L E A L L Q S L V Q>

6800 6810 6820 6830 6840 6850 6860
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V L G S T D V N V V T C A A G I L S N L T C N N>

6870 6880 6890 6900 6910 6920 6930
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Q R N K A T V C Q V G G V D A L V R T I I N A>

6940 6950 6960 6970 6980 6990 7000
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G D R E E I T E P A V C A L R H L T S R H V D>

7010 7020 7030 7040 7050 7060 7070
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S E L A Q N A V R L N Y G L S V I V K L L H P P>

7080 7090 7100 7110 7120 7130 7140
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S R W P L I K A V I G L I R N L A L C P A N H>

7150 7160 7170 7180 7190 7200 7210
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A P L R E H G A I H H L V R L L M R A F Q D T>

7220 7230 7240 7250 7260 7270 7280
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E R Q R S S I A T T G S Q Q P S A Y A D G V R M>

7290 7300 7310 7320 7330 7340 7350
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E E I V E G T V G A L H I L A R E S H N R A L>

7360 7370 7380 7390 7400 7410 7420
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I R Q Q S V I P I F V R L L F N E I E N I Q R>

7430 7440 7450 7460 7470 7480 7490
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V A A G V L C E L A A D K E G A E I I E Q E G A>

7500 7510 7520 7530 7540 7550 7560
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T G P L T D L L H S R N E G V A T Y A A A V L>

7570 7580 7590 7600 7610 7620 7630
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F R M S E D K P Q D Y K K R L S I E L T N S L>

7640 7650 7660 7670 7680 7690 7700
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L R E D N N I W A N A D L G M G P D L Q D M L G>

7710 7720 7730 7740 7750 7760 7770
ACCAGAAGAAGCATATGAGGGCCTGTACGGACAAGGTCCGCCAGCGTGCACAGTTCACACGGAGGTCCG
P E E A Y E G L Y G Q G P P S V H S S H G G R>

7780 7790 7800 7810 7820 7830 7840
GCATTCCATCAGCAAGGATATGATACTCTACCAATAGATTTCGATGCAGGGTCTGGAGATCAGCAGCCCAG
A F H Q Q G Y D T L P I D S M Q G L E I S S P>

7850 7860 7870 7880 7890 7900 7910
TGGGCGGCGGGTGTGGCGGTGCTCCCGGCAATGGTGGAGCTGTAGGCGGAGCTAGCGGCGGGCGGTGG
V G G G G A G G A P G N G G A V G G A S G G G G>

7920 7930 7940 7950 7960 7970 7980
TAACATCGGCGCCATTCCGCCTAGCGGCGCACCAACTTCGCCCTATTCCATGGACATGGACGTTGGCGAG
N I G A I P P S G A P T S P Y S M D M D V G E>

7990 8000 8010 8020 8030 8040 8050
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I D A G A L N F D L D A M P T P P N D N N N L>

8060 8070 8080 8090 8100 8110 8120
CTGCCTGGTACGATACCGATTGCTCGAGCTCATCGATGAGTAAAGGAGAAGAAGCTTTTCACTGGAGTTGT
A A W Y D T D C S S S S M S K G E E L F T G V V>

8130 8140 8150 8160 8170 8180 8190
CCCAATTCTTGTGAATTAGATGGTGTGTTAATGGGCACAAATTTTCTGTTCAGTGGAGAGGGTGAAGGT
P I L V E L D G D V N G H K F S V S G E G E G>

8200 8210 8220 8230 8240 8250 8260
GATGCAACATACGGAACACTTACCCTTAAATTTATTTGCACTACTGGAAAACCTACCTGTTCCATGGCCAA
D A T Y G K L T L K F I C T T G K L P V P W P>

8270 8280 8290 8300 8310 8320 8330
CCCTGGTACACCACCTGACCTACGGCGTGCAGTGCTTCTCCCGTTACCCTGATCATATGAAGCGGCACGA
T L V T T L T Y G V Q C F S R Y P D H M K R H D>

8340 8350 8360 8370 8380 8390 8400
CTTCTTCAAGAGCGCCATGCCTGAGGGATACGTGCAGGAGAGGACCATCTTCTTCAAGGACGACGGGAAC
F F K S A M P E G Y V Q E R T I F F K D D G N>

8410 8420 8430 8440 8450 8460 8470
TACAAGACACGTGCTGAAGTCAAGTTTGAGGGAGACACCCTCGTCAACAGGATCGAGCTTAAGGGAATCG
Y K T R A E V K F E G D T L V N R I E L K G I>

8480 8490 8500 8510 8520 8530 8540
ATTTCAAGGAGGACGGAAACATCCTCGGCCACAAGTTGGAATACAACACTACAACCTCCACAACGTATACAT
D F K E D G N I L G H K L E Y N Y N S H N V Y I>

8550 8560 8570 8580 8590 8600 8610
CATGGCCGACAAGCAAAAGAACGGCATCAAAGCCAATTCAAGACCCGCCACAACATCGAAGACGGCGGC
M A D K Q K N G I K A N F K T R H N I E D G G>

8620 8630 8640 8650 8660 8670 8680
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V Q L A D H Y Q Q N T P I G D G P V L L P D N>

8690 8700 8710 8720 8730 8740 8750
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H Y L S T Q S A L S K D P N E K R D H M V L L E>

8760 8770 8780 8790 8800 8810 8820
GTTTGTAAACAGCTGCTGGGATTACACATGGCATGGATGAACTATACAAAGCTTGATCTAGAGTCGACCTC
F V T A A G I T H G M D E L Y K A *

8830 8840 8850 8860 8870 8880 8890
GAACGTTAACGTTAACGTAACGTTAACTCGAGGAGCTTGATAACATTATACCTAAACCCATGGTCAAGAG