DNA SEQUENCING DATA FIGURE 1

Microsynth raw sequencing data:

Clone 231A: →all sequences corresponding to three different colonies show WT form of Tau

231A B WT MAEPRQEFEVMEDHAGTYGLGDRKDQGGYTMHQDQEGDTDAGLK…

231A E WT MAEPRQEFEVMEDHAGTYGLGDRKDQGGYTMHQDQEGDTDAGLK…

231A L WT MAEPRQEFEVMEDHAGTYGLGDRKDQGGYTMHQDQEGDTDAGLK…

>231A B_CMV-for

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CAGGAAAGATCAGGGGGGCTACACCATGCACCAAGACCAAGAGGGTGACACGGACGCTGGCCTGAAAGGTTAGTGG
ACAGCCATGCACAGCAGGCCCAGATCACTGCAAGCCAAGGGGTGGCGGGAACAGTTTGCATCCAGAATTGCAAAGA
AATTTTAAATACATTATTGTCTTAGACTGTCAGTAAAGTAAAGCCTCATTAATTTGAGTGGGCCAAGATAACTCAAGCA
GTGAGATAATGGCCAGACACGGTGGCTCACGCCTGTAATCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTCA
CCTAAATGCTAGAGCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTGTTTGCCCCTCCCCCGTGC
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TGTAGCGGCGCATTAAGCGCGGCGGGTGTGGTGGTTACGCGCAGCGGGACCGSTAMACTTGCCAGCGCCCTAGCGC
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>231A E_CMV-for

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TCACGCTGGGACGTACGGGTTGGGGGACAGGAAAGATCAGGGGGGCTACACCATGCACCAAGACCAAGAGGGTGA
CACGGACGCTGGCCTGAAAGGTTAGTGGACAGCCATGCACAGCAGGCCCAGATCACTGCAAGCCAAGGGGTGGCGG
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AGCCATCTGTTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCACTGTCCTTTCCTAATAAAAT
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GGGCTCTAGGGGGTATCCCCACGCGCCCTGTAGCGGCGCATTAACCGCGGCGGGTGTGGTGGTTACTCGCAGCGTGA
CCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTCGCTTTCTTCCCTTCCTTTCTCGCCACGTTCGCCGGCTTTCCCG
TCAAGCTCTAAATCGGGGGCTCCCTTTWAGGGTTCCGATTTAGTGCT

>231A L_CMV-for

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GGTTGGGGGACAGGAAAGATCAGGGGGGCTACACCATGCACCAAGACCAAGAGGGTGACACGGACGCTGGCCTGA
AAGGTTAGTGGACAGCCATGCACAGCAGGCCCAGATCACTGCAAGCCAAGGGGTGGCGGGAACAGTTTGCATCCAG
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CTCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCACTGTCCTTTCCTAATAAAATGAGGAAATTGCATCGCATT
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GGCTCCCTTTAGGGTTCCGATTTAGTGCTTTACGGCACCTCGACCCCCAAAAACTTGAATAGGGGTGATGGTTCMCGT
AGTGGGCCATCGCCCTGATAGACGGTTTTTCCCCCTT

Clone 231K: →sequences corresponding to two different colonies

231K A 1 bp insertion MAEPRQEFEVMEDHAGTYGVGGQERSGGLHHAPRPRGstopcodon

231K L 5bp deletion MAEPRQEFEVMEDHAGTYGGQERSGGLHHAPRPRGstopcodon

>231K A_CMV-for

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AGTTTGCATCCAGAATTGCAAAGAAATTTTAAATACATTATTGTCTTAGACTGTCAGTAAAGTAAAGCCTCATTAATTT
GAGTGGGCCAAGATAACTCAAGCAGTGAGATAATGGCCAGACACGGTGGCTCACGCCTGTAATCTCGAGCATGCATC
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>231K L_CMV-for

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GAGGGCCCTATTCTATAGTGTCACCTAAATGCTAGAGCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCAT
CTGTTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCACTGTCCTTTCCTAATAAAATGAGGAA
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Clone 232P: → sequences corresponding to four different colonies

232P E big insertion MAEPRQEFEVQQKLFLNLPSLLLSLstopcodon

232P G 1bp insertion MAEPRQEFEADGRSRWDVRVGGQERSGGLHHAPRPRGstopcodon

232P M big insertion MAEPRQEFEVQQKLFLNLPSLLLSLstopcodon

232P O 1bp insertion MAEPRQEFEADGRSRWDVRVGGQERSGGLHHAPRPRGstopcodon-

>232P-E_CMV-for

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TTCTTAAACCTACCAAGCCTCCTACTATCATTATGAATAATTTTATATACCACAGCCAATTTGTTATGTTAAACCAATTCC
ACAAACTTGCCCATTTATCTAATTCCAATAATTCTTGTTCATTCTTTTCTTGCTGGTTTTGCGATTCTTCAATTAAGGAGT
GTATTAAGCTTGTGTAATTGTTAATTTCTCTGTCCCACTCCATCCAGGTCGTGTGATTCCGATGCTATTGCTTTATTTGTA
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GGGGGCTACACCATGCACCAAGACCAAGAGGGTGACACGGACGCTGGCCTGAAAGGTTAGTGGACAGCCATGCACA
GCAGGCCCAGATCACTGCAAGCCAAGGGGTGGCGGGAACAGTTTGCATCCAGAATTGCAAAGAAATTTTAAATACAT
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GCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCCT
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>232P-G_CMV-for

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CGCTGGGACGTACGGGTTGGGGGACAGGAAAGATCAGGGGGGCTACACCATGCACCAAGACCAAGAGGGTGACAC
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>232P-M_CMV-for

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GACACGTGCTACGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGGTTGGGCTTCGGAATCGTTTTCCGGGACGCCG
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TTATTGTCTTAGACTGTCAGTAAAGTAAAGCCTCATTAATTTGAGTGGGCCAAGATAACTCAAGCAGTGAGATAATGG
CCAGACACGGTGGCTCACGCCTGTAATCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTCACCTAAATGCTAG
AGCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTGTTTGCCCCTCCCCCGTGCCTTCCTTGACCC
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>232P-O_CMV-for

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ATTTGAGTGGGCCAAGATAACTCAAGCAGTGAGATAATGGCCAGACACGGTGGCTCACGCCTGTAATCTCGAGCATG
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AGGGTGATGGTTCACGTAGTGGGCCATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCTTTA
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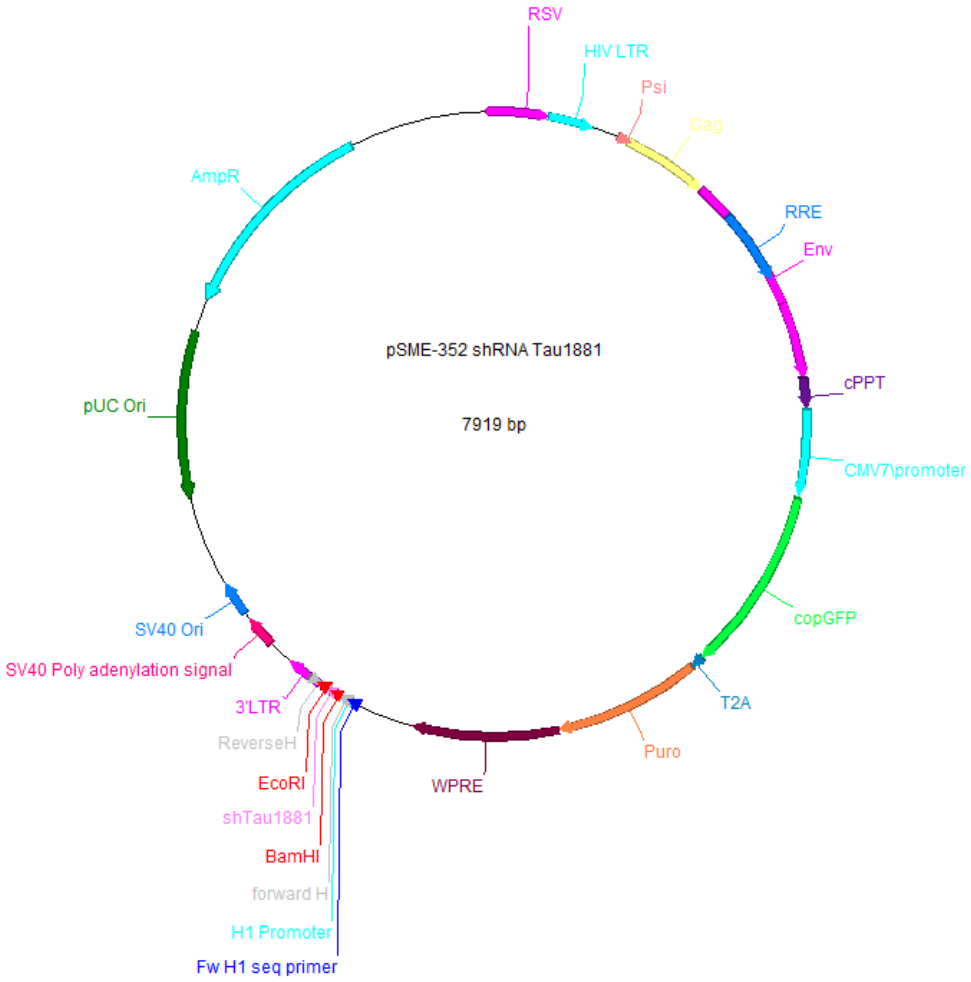
PLASMIDS MAPS AND SEQUENCING

shRNA SEQUENCE

pSME-352 shRNA Tau1881:

Full map:



FASTA Sequence information:

>shRNA 1881 A1_H1 Promoter FWD

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AGCTGTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAAGCCT
GGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTCGT
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CTGACTCGCTGCGCTCGGTCGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAG
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AAC

>shRNA 1881 B1_H1 Promoter FWD

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TTGGAGGTTCACCATTTTTGAATTCTTCGATTCTGCTTTTTGCTTCTACTGGGTCTCTCTGGTTAGACCAGATCTGAGCC
TGGGAGCTCTCTGGCTAACTAGGGAACCCACTGCTTAAGCCTCAATAAAGCTTGCCTTGAGTGCTTCAAGTAGTGTGT
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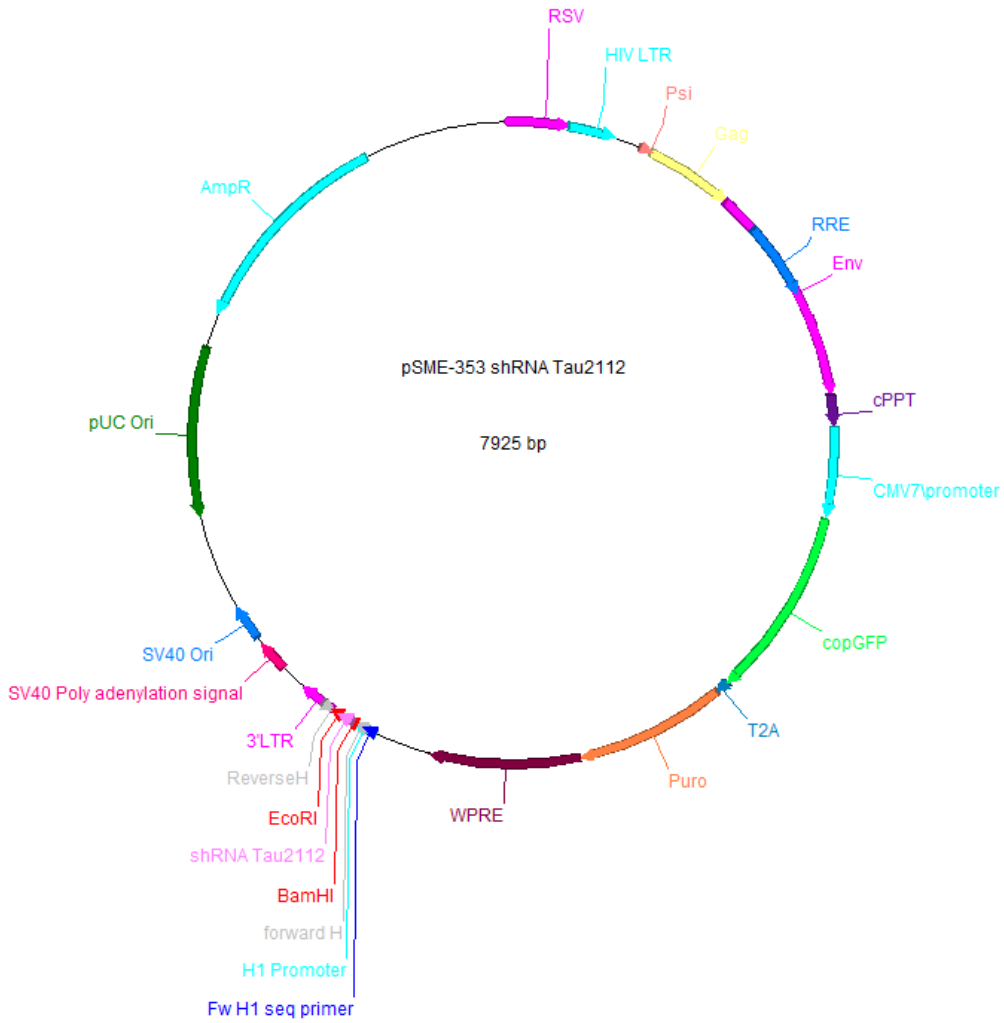
pSME-353 shRNA Tau2112

Full map:



FASTA Sequence information:

>shRNA 2112 A1_H1 Promoter FWD

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>shRNA 2112 B1_H1 Promoter FWD

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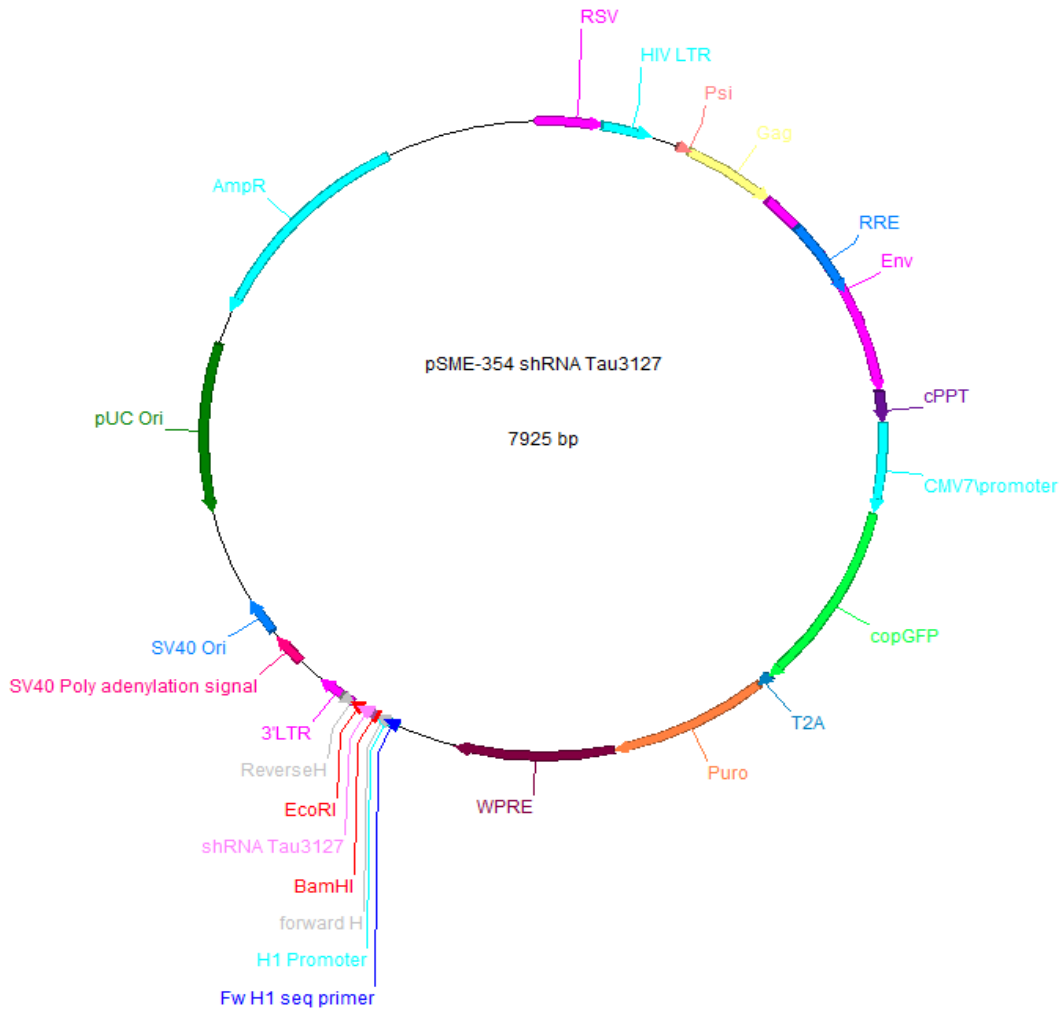
pSME-354 shRNA Tau3127:

Full map:



FASTA Sequence information:

>shRNA 3127 A1_H1 Promoter FWD

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>shRNA 3127 B1_H1 Promoter FWD

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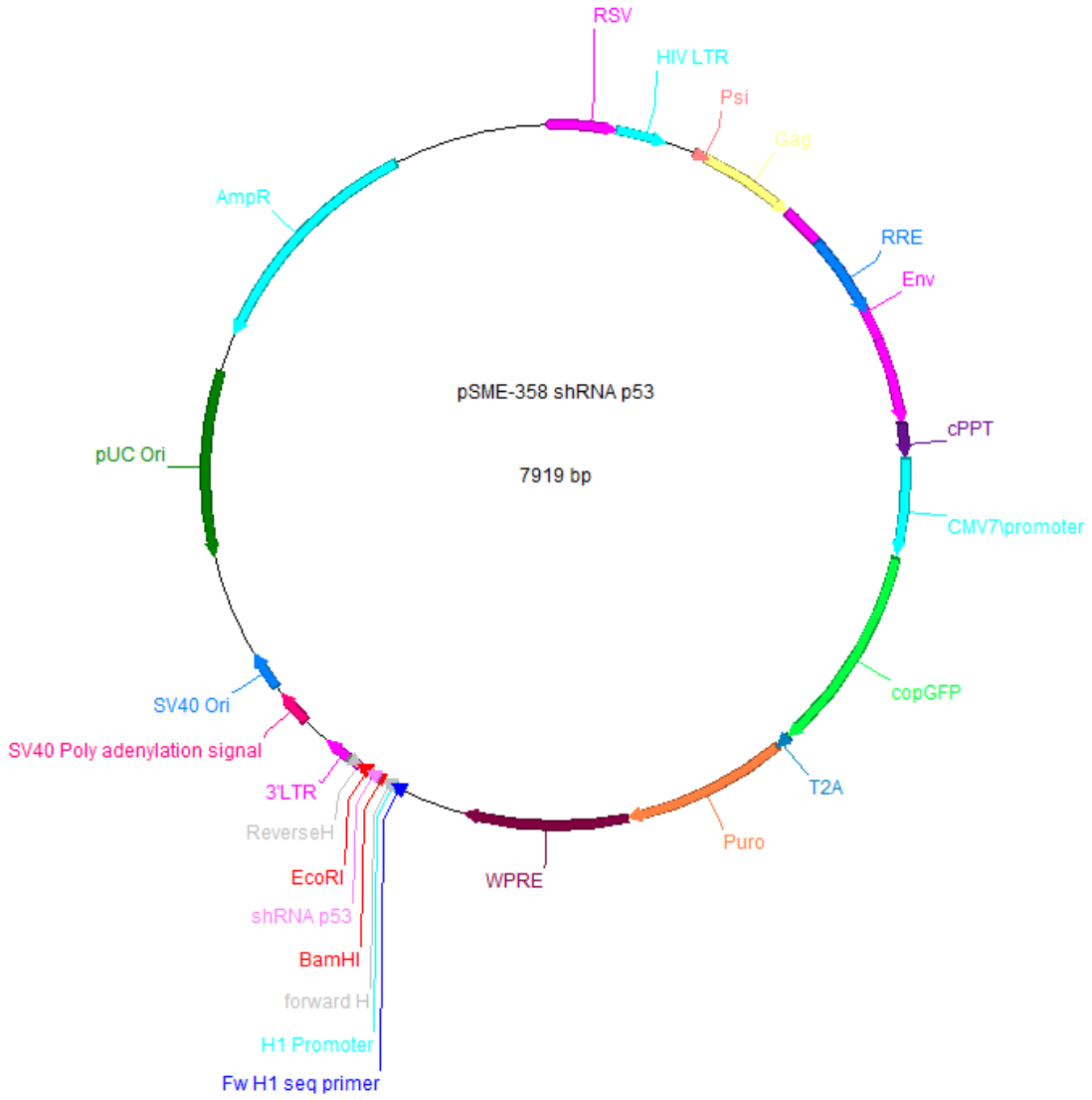

FASTA Sequence information:

>shRNA p53 A_H1 Promoter FWD

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>shRNA p53 B_H1 Promoter FWD

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