

pUC19-p19-siRNA UL19 tac extension GAGATACCTACAGCGTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGA pUC19-p19 tac extension pBR322ori	60
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pUC19-p19-siRNA UL19 tac extension CAGGTATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAGGGGG pUC19-p19 tac extension pBR322ori	120
-----	
pUC19-p19-siRNA UL19 tac extension AAACGCCTGGTATCTTTATAGTCCTGTCTGGGTTTTCGCCACCTCTGACTTGAGCGTCGATT pUC19-p19 tac extension pBR322ori	180
-----GTCGTCGATT	10
-----	
pUC19-p19-siRNA UL19 tac extension TTTGTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTTTTT pUC19-p19 tac extension pBR322ori	240
TTTGTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTTTTT	70
-----	
pUC19-p19-siRNA UL19 tac extension ACGTTTCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGA pUC19-p19 tac extension pBR322ori	300
ACGTTTCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGA	130
-----	
pUC19-p19-siRNA UL19 tac extension ATCGATAACGCCAGCAACGCGGCCTTTTTACGTTGACAATTAATCATCGGCTCGTATAA pUC19-p19 tac extension pBR322ori	360
ATCGATAACGCCAGCAACGCGGCCTTTTTACGTTGACAATTAATCATCGGCTCGTATAA	190
-----	
pUC19-p19-siRNA UL19 tac extension TGGTGTGGTGTGTGAGCGGATAACAAGCAGGAGTTGGAACGCATGGAACGAGCTATAC pUC19-p19 tac extension pBR322ori	420
TGGTGTGGTG-----ATGGAACGAGCTATAC	216
-----	
pUC19-p19-siRNA UL19 tac extension AAGGAAACGACGCTAGGGAACAAGCTAACAGTGAACGTTGGGATGGAGGATCAGGAGGTA pUC19-p19 tac extension pBR322ori	480
AAGGAAACGACGCTAGGGAACAAGCTAACAGTGAACGTTGGGATGGAGGATCAGGAGGTA	276
-----	
pUC19-p19-siRNA UL19 tac extension CCACTTCTCCCTTCAAACCTCCTGACGAAAGTCCGAGTTGGACTGAGTGCGGCTACATA pUC19-p19 tac extension pBR322ori	540
CCACTTCTCCCTTCAAACCTCCTGACGAAAGTCCGAGTTGGACTGAGTGCGGCTACATA	336
-----	
pUC19-p19-siRNA UL19 tac extension ACGATGAGACGAATTCGAATCAAGATAATCCCCTTGTTTTCAAGGAAAGCTGGGGTTTTCG pUC19-p19 tac extension pBR322ori	600
ACGATGAGACGAATTCGAATCAAGATAATCCCCTTGTTTTCAAGGAAAGCTGGGGTTTTCG	396
-----	
pUC19-p19-siRNA UL19 tac extension GGAAAGTTGTATTTAAGAGATATCTCAGATACGACAGGACGGAAGCTTCACTGCACAGAG pUC19-p19 tac extension pBR322ori	660

GGAAAGTTGTATTTAAGAGATATCTCAGATACGACAGGACGGAAGCTTCACTGCACAGAG	456
pUC19-p19-siRNA UL19 tac extension	
TCCTTGATCTTGGACGGGAGATTTCGGTAACTATGCAGCATCTCGATTTTTTCGGTTTTCG	720
pUC19-p19 tac extension pBR322ori	
TCCTTGATCTTGGACGGGAGATTTCGGTAACTATGCAGCATCTCGATTTTTTCGGTTTTCG	516
pUC19-p19-siRNA UL19 tac extension	
ACCAGATCGGATGTACCTATAGTATTCGGTTTTCGAGGAGTTAGTATCACCGTTTCTGGAG	780
pUC19-p19 tac extension pBR322ori	
ACCAGATCGGATGTACCTATAGTATTCGGTTTTCGAGGAGTTAGTATCACCGTTTCTGGAG	576
pUC19-p19-siRNA UL19 tac extension	
GGTCGCGAACTCTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTAC	840
pUC19-p19 tac extension pBR322ori	
GGTCGCGAACTCTTCAGCATCTCTGTGAGATGGCAATTCGGTCTAAGCAAGAACTGCTAC	636
pUC19-p19-siRNA UL19 tac extension	
AGCTTGCCCAATCGAAGTGGAAAGTAATGTATCAAGAGGATGCCCTGAAGGTA CTCAA	900
pUC19-p19 tac extension pBR322ori	
AGCTTGCCCAATCGAAGTGGAAAGTAATGTATCAAGAGGATGCCCTGAAGGTA CTCAA	696
pUC19-p19-siRNA UL19 tac extension	
CCTTCGAAAAAGAAAGCGAGCACCACCACCACCACCCTGACAAATAAAACGAAAGGCTC	960
pUC19-p19 tac extension pBR322ori	
CCTTCGAAAAAGAAAGCGAGCACCACCACCACCACCCTGACAAATAAAACGAAAGGCTC	756
pUC19-p19-siRNA UL19 tac extension	
AGTCGAAAGACTGGGCCTTTCGTTTTATCTGTTGTTTGTTCGGTGAACGCTCTCTTACTCA	1020
pUC19-p19 tac extension pBR322ori	
AGTCGAAAGACTGGGCCTTTCGTTTTATCTGTTGTTTGTTCGGTGAACGCTCTCTTACTCA	816
pUC19-p19-siRNA UL19 tac extension	
TATATACTATCTCTAGAGGGCCCGTTTAAACCCGCTGATCAGCTAATACGACTCACTATA	1080
pUC19-p19 tac extension pBR322ori	
TATATACTATCTCTAGAGGGCCCGTTTAAACCCGCTGATCAGCTAATACGACTCACTATA	876
pUC19-p19-siRNA UL19 tac extension	
GGGGAGCTCGTCGTACCTGAGATTGCTCCAGGGGAGGAATGCCCTAGCGATCCAGTTACC	1140
pUC19-p19 tac extension pBR322ori	
GGGGAGCTCGCGTAA-----	936
pUC19-p19-siRNA UL19 tac extension	
GATCCAGCTCATCCCCTGCACCCCGGAACCTGGTGGCCAATACGGTGAACGCGATGTTT	1200
pUC19-p19 tac extension pBR322ori	
-----	996
pUC19-p19-siRNA UL19 tac extension	
CACAATGGCAGGGTGGTAGTGGACGGACCGCAATGCTAACTCTTCAGGTTCTCGCACAC	1260
pUC19-p19 tac extension pBR322ori	
-----	1056
pUC19-p19-siRNA UL19 tac extension	
AACATGGCAGAGAGAACCACTGCCTTGCTGTGCAGTGCGGCCCCAGACGCCGGCGCCAAC	1320

pUC19-p19 tac extension pBR322ori	1116
-----	
pUC19-p19-siRNA UL19 tac extension ACCGCCTCTACCACTAACACTCGAGTCTAGAGCGCACGTATACACGCGCTGATCAGCGTC	1380
pUC19-p19 tac extension pBR322ori	1176
-----	
pUC19-p19-siRNA UL19 tac extension GACTGTTAGTGGTAGAGGCGGTGTTGGCGCCGGCGTCTGGGGCCGCACTGCACAGCAAGG	1440
pUC19-p19 tac extension pBR322ori	1236
-----	
pUC19-p19-siRNA UL19 tac extension CAGTGGTTCTCTCTGCCATGTTGTGTGCGAGAACCTGAAGAGTTAGCATTGCCGGTCCGT	1500
pUC19-p19 tac extension pBR322ori	1296
-----	
pUC19-p19-siRNA UL19 tac extension CCACTACCACCCTGCCATTGTGAAACATCGCGTTCACCGTATTGGCCACCAGGTTTCGCGG	1560
pUC19-p19 tac extension pBR322ori	1356
-----	
pUC19-p19-siRNA UL19 tac extension GGTGCAGGGGATGAGCTGGATCGGTAACCTGGATCGCTAGGGCATTCTCCCCTGGAGCAA	1620
pUC19-p19 tac extension pBR322ori	1416
-----	
pUC19-p19-siRNA UL19 tac extension TCTCAGGTACGACGCGGCCCTAGCATAACCCCGCGGGCCTCTTCGGGGGTCTCGCGG	1680
pUC19-p19 tac extension pBR322ori	1476
-----	
pUC19-p19-siRNA UL19 tac extension GGTTTTTGTCTGAAAGACGGTTCCTGGCCTTTTGTCTGGCCTTTTGC GGATCCGAAACGCG	1740
pUC19-p19 tac extension pBR322ori	1536
-----	
pUC19-p19-siRNA UL19 tac extension CGAGACGAAAGGGCCTCGTGATACGCTATTTTTATAGGTTAATGTCATGATAATAATGG	1800
pUC19-p19 tac extension pBR322ori	1596
-----	
pUC19-p19-siRNA UL19 tac extension TTTCTTAGACGTCAGGTGGCACTTTTCGGGAAATGTGCGCGGAACCCCTATTTGTTTAT	1860
pUC19-p19 tac extension pBR322ori	1656
-----	
pUC19-p19-siRNA UL19 tac extension TTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTC	1920
pUC19-p19 tac extension pBR322ori	1716
-----	
pUC19-p19-siRNA UL19 tac extension	

AATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCT pUC19-p19 tac extension pBR322ori	1980
-----	1776
pUC19-p19-siRNA UL19 tac extension TTTTTGCGGCATTTTGCCTTCCTGTTTTTGCTCACCCAGAAACGCTGGTGAAAGTAAAAG pUC19-p19 tac extension pBR322ori	2040
-----	1836
pUC19-p19-siRNA UL19 tac extension ATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTA pUC19-p19 tac extension pBR322ori	2100
-----	1896
pUC19-p19-siRNA UL19 tac extension AGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGTTC pUC19-p19 tac extension pBR322ori	2160
-----	1956
pUC19-p19-siRNA UL19 tac extension TGCTATGTGGCGCGGTATTATCCCGTATTGACGCCGGCAAGAGCAACTCGGTGCCCGCA pUC19-p19 tac extension pBR322ori	2220
-----	2016
pUC19-p19-siRNA UL19 tac extension TACTACTATTCTCAGAATGACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGG pUC19-p19 tac extension pBR322ori	2280
-----	2076
pUC19-p19-siRNA UL19 tac extension ATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAAACTGCGG pUC19-p19 tac extension pBR322ori	2340
-----	2136
pUC19-p19-siRNA UL19 tac extension CCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACA pUC19-p19 tac extension pBR322ori	2400
-----	2196
pUC19-p19-siRNA UL19 tac extension TGGGGGATCATGTAACCTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAA pUC19-p19 tac extension pBR322ori	2460
-----	2256
pUC19-p19-siRNA UL19 tac extension ACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAATATTAA pUC19-p19 tac extension pBR322ori	2520
-----	2316
pUC19-p19-siRNA UL19 tac extension CTGGCGAACTACTTACTCTAGCTTCCCGCAACAATTAATAGACTGGATGGAGGCGGATA pUC19-p19 tac extension pBR322ori	2580
-----	2376

pUC19-p19-siRNA UL19 tac extension AAGTTGCAGGACCACTTCTGCGCTCGGCCCTCCGGCTGGCTGGTTTATTGCTGATAAAT pUC19-p19 tac extension pBR322ori	2640
-----	2436
pUC19-p19-siRNA UL19 tac extension CTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGC pUC19-p19 tac extension pBR322ori	2700
-----	2496
pUC19-p19-siRNA UL19 tac extension CCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAATA pUC19-p19 tac extension pBR322ori	2760
-----	2556
pUC19-p19-siRNA UL19 tac extension GACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAACTGTCAGACCAAGTTT pUC19-p19 tac extension pBR322ori	2820
-----	2616
pUC19-p19-siRNA UL19 tac extension ACTCATATATACTTTAGATTGATTTAAACTTCATTTTTAATTTAAAAGGATCTAGGTGA pUC19-p19 tac extension pBR322ori	2880
-----	2676
pUC19-p19-siRNA UL19 tac extension AGATCCTTTTTGATAATCTCATGACCAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAG pUC19-p19 tac extension pBR322ori	2940
-----	2736
pUC19-p19-siRNA UL19 tac extension CGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAA pUC19-p19 tac extension pBR322ori	3000
-----	2796
pUC19-p19-siRNA UL19 tac extension TCTGCTGCTTGCAAACAAAAAACCACCGCTACCAGCGGTGGTTTGTGGCCGGATCAAG pUC19-p19 tac extension pBR322ori	3060
-----	2856
pUC19-p19-siRNA UL19 tac extension AGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCGCAGATACCAAATACTG pUC19-p19 tac extension pBR322ori	3120
-----	2916
pUC19-p19-siRNA UL19 tac extension TTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACAT pUC19-p19 tac extension pBR322ori	3180
-----	2976
pUC19-p19-siRNA UL19 tac extension ACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTA pUC19-p19 tac extension pBR322ori	3240
-----	3036

pUC19-p19-siRNA UL19 tac extension	
CCGGGTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTCGGGCTGAACGGGGG	3300
pUC19-p19 tac extension pBR322ori	
-----	3096
pUC19-p19-siRNA UL19 tac extension	
GTTTCGTGCACACAGCCCAGCTTGGAGCGAACGACCTACACCGAACT	3346
pUC19-p19 tac extension pBR322ori	
-----	892