

















R G C D I F G S F R G N E V M I N P L C A D G H T V V L D E G D P  
211

Neor/KanR

4510 \* 4520 \* 4530 \* 4540 \* 4550 \* 4560 \* 4570 \* 4580 \* 4590 \* 4600 \*  
4505 Cac8I  
4502 NlaIII 4539 Cac8I  
4501 SphI 4538 BstUI  
4501 NspI 4537 HhaI 4573 DpnI 4584 HpaII 4600 BsaAI  
4501 Cac8I 4533 Cac8I 4552 SapI 4564 DpnI 4583 Cfr10I 4599 RsaI  
|| | | | | | | | | | |  
4501 GCATGCTCGCCTTGAGCCTGGCGAACAGTTTCGGCTGGCGGAGCCCTGATGCTCTTCGTCCAGATCATCCTGATCGACAAGACCGGCTTCCATCCGAGT 4600  
M S A K L R A F L E A P A L G Q H E E D L D D Q D V L G A E M R T  
178

Neor/KanR

4610 \* 4620 \* 4630 \* 4640 \* 4650 \* 4660 \* 4670 \* 4680 \* 4690 \* 4700 \*  
4611 TaqI 4673 AciI  
4605 Cac8I 4654 DpnI 4670 AciI 4688 NlaIII  
4601 HpyCH4IV 4635 TaqI 4651 HpaII 4665 HpyCH4V 4679 HpyCH4V  
| | | | | | | | | |  
4601 ACGTGCTCGCTCGATGCGATGTTTCGCTTGGTGGTGAATGGCAGGTAGCCGGATCAAGCGTATGCAGCCGCGCATTGTCATCAGCCATGATGGATACT 4700  
R A R E I R H K A Q H D F P C T A P D L T H L R R M A D A M I S V K  
145

Neor/KanR

4710 \* 4720 \* 4730 \* 4740 \* 4750 \* 4760 \* 4770 \* 4780 \* 4790 \* 4800 \*  
4799 AluI  
4798 PvuII  
4798 MspAI  
4741 HpaII  
4732 DpnI 4791 TaqI  
4731 BstYI 4774 AciI 4788 HpyCH4IV  
|| | | | | | | | |  
4701 TTCTCGCAGGAGCAAGGTGAGATGACAGGAGATCCTGCCCGGCACTTCGCCCAATAGCAGCCAGTCCCTTCCCGCTTCAGTGACAACGTGAGCACAG 4800  
E A P A L H S S L L D Q G P V E G L L L W D R G A E T V V D L V A  
111

Neor/KanR

4810 \* 4820 \* 4830 \* 4840 \* 4850 \* 4860 \* 4870 \* 4880 \* 4890 \* 4900 \*  
4824 Cac8I 4840 HhaI 4872 HpaII  
4803 HhaI 4823 HaeIII 4839 BstUI 4871 BsaWI  
4802 FspI 4822 MscI 4838 AciI 4854 HpyCH4V 4868 NlaIV 4900 HpaII  
|| | | | | | | | |  
4801 CTGGCAAGGAACGCCGCTGCTGGCCAGCCAGATAGCCGCGTGCCTCGTCTTGCAAGTTCATTAGGGCACCAGGACAGGTCGGTCTTGACAAAAAGAAC 4900  
A C P V G T T A L W S L R A A E D Q L E N L A G S L D T K V F L V  
78

Neor/KanR

4910 \* 4920 \* 4930 \* 4940 \* 4950 \* 4960 \* 4970 \* 4980 \* 4990 \* 5000 \*  
4912 HhaI  
4904 HhaI  
4903 SfoI  
4903 NlaIV 4999 HpaII  
4903 NarI 4997 HaeIII  
4903 KasI 4932 AciI 4996 EagI  
4903 HaeII 4922 HpaII 4995 AciI  
|| | | | | | | | |  
4901 CGGGCGCCCTGCGCTGACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGGCC 5000  
P R G Q A S L R F V A A D S C G I T Q Q A W D Y G F L R E V W A A P  
45

Neor/KanR







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7290 AflII
7288 AluI
7283 HhaI
7282 BstUI
7235 HpaII
7226 BsaBI
7254 AluI
7271 HpyCH4IV
7285 Cac8I
7201 AACCAACATTGCGACCGACGGTGGCGATAGGCATCCGGGTGGTGCTCAAAGCAGCTTCGCCTGGCTGATACGTTGGTCCTCGCGCCAGCTTAAGACGCT 7300
7310 *
7320 *
7330 *
7340 *
7350 *
7360 *
7370 *
7316 AciI
7312 Cac8I
7335 BstUI
7353 NspI
7367 Cac8I
7301 AATCCCTAACTGCTGGCGGAAAAGATGTGACAGACGCGACGGCGACAAGCAAACATGCTGTGCGACGCTGGCGAT 7375

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