

GCAAAGGCTTTCACCCGGACATGATTAAACCCATGAAGATGTTGTTAAAATCCCGGTGC
 301 -----+-----+-----+-----+-----+-----+
 CGTTTCCGAAAGTGGGCCTGTACTAATTTTGGGTACTTCTACAACAATTTTAGGGCCACG
 _K_G_F_H_P_D_M_I_K_T_H_E_D_V_V_K_I_P_V_L

BglII *PstI*
 TGACCAAAAAAGATCTGCGTGCCGATCTGCAGAAAAATCCGCCTTATGGCACCATTATGG
 361 -----+-----+-----+-----+-----+-----+
 ACTGGTTTTTTCTAGACGCACGGCTAGACGTCTTTTTAGGCGGAATACCGTGGTAATACC
 _T_K_K_D_L_R_A_D_L_Q_K_N_P_P_Y_G_T_I_M_V

AgeI
 TTCCGGAAGTGGCCAAATATATCCATTTTGTGGTGCAACCAGCGGTAGCACCAGGTATGC
 421 -----+-----+-----+-----+-----+-----+
 AAGGCCTTGACCGGTTTATATAGGTAAAACAACCACGTTGGTCGCCATCGTGGCCATACG
 _P_E_L_A_K_Y_I_H_F_V_G_A_T_S_G_S_T_G_M_P

CGACCTTTCAGGGTTGGGGTCGTGTTGAACTGGATTATTTTGAAGAACAGCAGGCACGTT
 481 -----+-----+-----+-----+-----+-----+
 GCTGGAAAGTCCCAACCCAGCACAACTTGACCTAATAAACTTCTTGTCGTCCGTGCAA
 _T_F_Q_G_W_G_R_V_E_L_D_Y_F_E_E_Q_Q_A_R_Y

ATCTGTGGACCTTTGCCGGTGTTAAACCGGGTGTTGTTTATGCCAATTATCTGAATATGA
 541 -----+-----+-----+-----+-----+-----+
 TAGACACCTGGAAACGGCCACAATTTGGCCCACAACAAATACGGTTAATAGACTTATACT
 _L_W_T_F_A_G_V_K_P_G_V_V_Y_A_N_Y_L_N_M_S

GCGGCTTTTATAGCTGGGGTCCGCCTCTGGTTGAAACCGCAATGTGGCGTTGTGGTGCAA
 601 -----+-----+-----+-----+-----+-----+
 CGCCGAAAATATCGACCCCAGGCGGAGACCAACTTTGGCGTTACACCGCAACACCACGTT
 _G_F_Y_S_W_G_P_P_L_V_E_T_A_M_W_R_C_G_A_T

NdeI
 CCGCAATTGCCGGTGGTGGTGAAACCTTTTTTACCTGGAAAGATCGTCATATGCTGATTA
 661 -----+-----+-----+-----+-----+-----+
 GGCCTTAACGGCCACCACCACTTTGAAAAAATGGACCTTTCTAGCAGTATACGACTAAT
 _A_I_A_G_G_G_E_T_F_F_T_W_K_D_R_H_M_L_I_M

Pf1MI

TGAAACTGTGGAAAGTTGATGTTTTTGCAACCACCCCGTGGCTGCATCGTTGGATTGGTG
721 -----+-----+-----+-----+-----+-----+
ACTTTGACACCTTTCAACTACAAAAACGTTGGTGGGGCACCACGTAGCAACCTAACCAC
_K_L_W_K_V_D_V_F_A_T_T_P_W_L_H_R_W_I_G_E

BstEII

AACAGGCAAAACTGGAAGGTTGGGTTACCCCGTTTAAAGTTCTGCTGCTGCATGGTGGTG
781 -----+-----+-----+-----+-----+-----+
TTGTCCGTTTTGACCTTCCAACCCAATGGGGCAAATTTCAAGACGACGACGTACCACCAC
_Q_A_K_L_E_G_W_V_T_P_F_K_V_L_L_L_H_G_G_A

CAGCAGCCGAAAAAACCAGAAAAAAGTATGGAAGTTCACCCGAATGTCGAAAAAGTTA
841 -----+-----+-----+-----+-----+-----+
GTCGTCGGCTTTTTTGGTTTTCTTTTTGACTACCTTCAAGTGGGCTTACAGCTTTTTTCAAT
_A_A_E_K_T_K_E_K_L_M_E_V_H_P_N_V_E_K_V_I

NdeI

TTAGCGTTTGGGGCACCACCGATGGTCATATGGCAATTGAACCGCCTGATGCACCGGGTA
901 -----+-----+-----+-----+-----+-----+
AATCGCAAACCCCGTGGTGGCTACCAGTATACCGTTAACTTGGCGGACTACGTGGCCCAT
_S_V_W_G_T_T_D_G_H_M_A_I_E_P_P_D_A_P_G_T

CACTGGTTTTTTTGGGAAGATACCCAGATTTTCGATATTGTTGTTCCGGGTAGCTATGAAG
961 -----+-----+-----+-----+-----+-----+
GTGACCAAAAAACCCCTTCTATGGGTCTAAAAGCTATAACAACAAGGCCCATCGATACTTC
_L_V_F_W_E_D_T_Q_I_F_D_I_V_V_P_G_S_Y_E_E

BspMI

AACGTCCGGAAGGTGAACCGGCAGGTCAGGGTGAACGTGGTGAACCTGATTGCAACCCTGC
1021 -----+-----+-----+-----+-----+-----+
TTGCAGGCCCTTCCACTTGGCCGTCCAGTCCCACTTGCACTTACTAACGTTGGGACG
_R_P_E_G_E_P_A_G_Q_G_E_R_G_E_L_I_A_T_L_L

TGACCCACTATACCATGCCGCTGATTCGTTATAGCCTGGGTGATTATGTGAAAAACGAAT
 1081 -----+-----+-----+-----+-----+-----+-----+
 ACTGGGTGATATGGTACGGCGACTAAGCAATATCGGACCCACTAATACACTTTTTGCTTA
 _T_H_Y_T_M_P_L_I_R_Y_S_L_G_D_Y_V_K_N_E_F

TTATCTGTGATCCGACACCGGAACTGGGTATTACCCATTGTCGTTTTGCAGAACTGATTG
 1141 -----+-----+-----+-----+-----+-----+-----+
 AATAGACACTAGGCTGTGGCCTTGACCCATAATGGGTAACAGCAAAACGTCTTGACTAAG
 _I_C_D_P_T_P_E_L_G_I_T_H_C_R_F_A_E_L_I_P

PvuI

CGGGTCGTGTGGAATGGATGTTTAAAGTTAAAGGCAAACCTGCTGTTTCCGATCGTTGTTG
 1201 -----+-----+-----+-----+-----+-----+-----+
 GCCCAGCACACCTTACCTACAAATTTCAATTTCCGTTTGACGACAAAGGCTAGCAACAAC
 _G_R_V_E_W_M_F_K_V_K_G_K_L_L_F_P_I_V_V_E

AgeI

AAAATGCAGTTAGCCAGATTCCGGATACCACCGGTGCATATAATATTGTGGTGTATGATG
 1261 -----+-----+-----+-----+-----+-----+-----+
 TTTTACGTCAATCGGTCTAAGGCCTATGGTGGCCACGTATATTATAACACCACATACTAC
 _N_A_V_S_Q_I_P_D_T_T_G_A_Y_N_I_V_V_Y_D_D

ATAATATGGATAAACTGAAAAATCAAAGTGGAACCCGCAAACCGATTCCGCCTCCGCCTG
 1321 -----+-----+-----+-----+-----+-----+-----+
 TATTATACCTATTTGACTTTTGTGTTTACCTTTGGGCGTTTGGCTAAGGCGGAGGCGGAC
 _N_M_D_K_L_K_I_K_V_E_T_R_K_P_I_P_P_P_P_E

AATATGATAAAGAAGCACGCGAAATTATTGCACGTGAACTGGGTCTGAGTCCGGAAGATG
 1381 -----+-----+-----+-----+-----+-----+-----+
 TTATACTATTTCTTCGTGCGCTTTAATAACGTGCACTTGACCCAGACTCAGGCCTTCTAC
 _Y_D_K_E_A_R_E_I_I_A_R_E_L_G_L_S_P_E_D_V

PstI

BspMI

1441 TTGAAATTGAATGGATTTCGTCCGGGTGAATCAGTTTGGAAAGGTTATAAACTGCAGGTCT
-----+-----+-----+-----+-----+-----+
AACTTTAACTTACCTAAGCAGGCCCACTTAGTCAAACCTTTCCAATATTTGACGTCCAGA
_E_I_E_W_I_R_P_G_E_S_V_W_K_G_Y_K_L_Q_V_F

EcoRI HindIII

NcoI BstBI

1501 TTCTGGATGAACGCAAAAAATGACCATGGAATTCGAAGCTTGATCCGGCTGCTAACAAAG
-----+-----+-----+-----+-----+-----+
AAGACCTACTTGCGTTTTTTTACTGGTACCTTAAGCTTCGAACTAGGCCGACGATTGTTTC
_L_D_E_R_K_K_*_

CCCG

1561 ----

GGGC