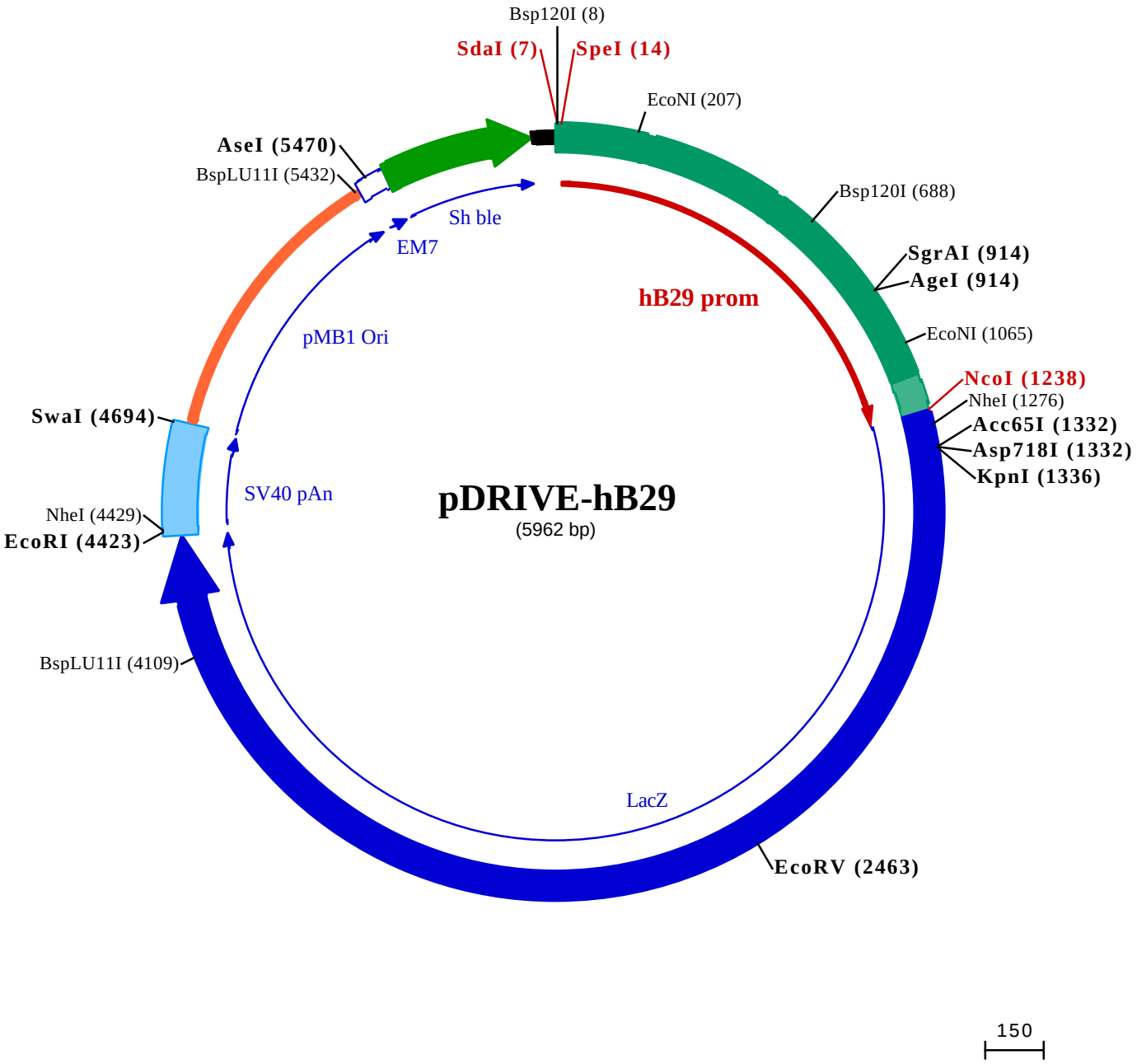
Bsp120I (8)
SdaI (7)
SpeI (14)
EcoNI (207)
AseI (5470)
BspLU11I (5432)
Bsp120I (688)
Sh ble
EM7
SgrAI (914)
AgeI (914)
hB29 prom
pMB1 Ori
EcoNI (1065)
NcoI (1238)
NheI (1276)
Acc65I (1332)
Asp718I (1332)
KpnI (1336)
SwaI (4694)
SV40 pAn
pDRIVE-hB29
(5962 bp)
NheI (4429)
EcoRI (4423)
BspLU11I (4109)
LacZ
EcoRV (2463)
150


Bsp120I (8)
SdaI (7)
SpeI (14)
1 CCTGCAGGGCCCACTAGTaAACGGAGGGTTGTGAGGAGAGTGAGAGGTGGACAGAGGGCACCGACGATTTAGCATCTCTTCCTCTCCTGGGGGTCGAGGA
101 TGAGAGACAAAAAAGAAGCTGCCAGGAAACATAAAATTCAGAGGGCTCAGCTGCAGGGCTGAGGTCTGCAAGCATGCTGTGTACACTTGTGCATGTTGTG
EcoNI (207)
201 CCCTGCACAAGGGCATCTCTGAAGGGGCTGCACTGGACCCAGGGGCAGGGGCGCAAAGGTGAGTTTATATCAGTTCCTGAGCACTGTGGCTCCATCCAGC
301 ACTCTGAGGACAGGCAGGATACAGCTGGAGGACCTGAGGGCTCCCCCACACCAGCTCCTGTTCCCTGCCCAAGACCCCCTGGACCTGCAGACAACAATTC
401 AACGCACTCAGAGTCCCACAGTTAAGAACTCCCTGAAGAAGCCCCCAGTGGCTGCGTGGTGGATTTTCGCAAAGCTGTCTCCACCTACATCCACCCTGTT
501 TGGCAGCCCCTACATACTCTTTCACAGCATGAGGAAGGGAGGCCTCTCACCAAGACCTGGACTGAATCTTCTCCCAGTGGCTGCCACACCTGACCTGCTC
Bsp120I (688)
601 TTGCTCCAGAACCTCTGTGGCTCCCATCCTCCACAGGGTCAACTTCCAACATGGCTGCCTGCACTCCAGCCAAGAGGCTCTGCTCTGGGCCCCTCCAGAT
701 GCCTGACCTGGGTCTGTGGCTGCCCTGTCCTTCTTCAGTGCTCCTCTTCCCGCTGGGTGAGGAATAGTTCAGGACAGAGGAGCTAAGTTCAGGTTCATTC
801 ATAGGACAGGTGCCTATTTCGCTCACGGCCCAGGAATAGAGACTTGCCGGGCTCGGCCCTTCGGGGAGTTGGCAGACGGCAGAGGGGAGGCTGGCTGGCC
AgeI (914)
SgrAI (914)
901 CAGGGGATGACCACCGGTGGGGTAAGCACAGACAGAGGGGAGCACAGGCTTCCCCCAGAAGACTGAGAGGCCCCCCAGAGGCATCCACAGAGGACCCCAG
EcoNI (1065)
1001 CTGTGCTGCCCAAGCTGGGCGACCGCCAAACCTTAGCGGCCCAGCTGACAAAAGCCTGCCCTCCCCCAGGGTCCCCGGAGAGCTGGTGCCTCCCCTGGGT
1101 CCCAATTTGCATGGCAGGAAGGGGCCTGGTGAGGAAGAGGCGGGGAGGGGACAGGCTGCAGCCGGTGCAGTTACACGTTTTCCTCCAAGGAGCCTCGGAC
NcoI (1238)
NheI (1276)
1201 GTTGTCACGGGTTTGGGGTCGGGGACAGAGCGGTGACCATGGGGGGTTCTCATCATCATCATCATCATGGTATGGCTAGCATGACTGGTGGACAGCAAAT
1 MetGlyGlySerHisHisHisHisHisHisGlyMetAlaSerMetThrGlyGlyGlnGlnMe
KpnI (1336)
Asp718I (1332)
Acc65I (1332)
1301 GGGTCGGGATCTGTACGACGATGACGATAAGGTACCTAAGGATCAGCTTGGAGTTGATCCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTT
21 tGlyArgAspLeuTyrAspAspAspAspLysValProLysAspGlnLeuGlyValAspProValValLeuGlnArgArgAspTrpGluAsnProGlyVal
1401 ACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGA
55 ThrGlnLeuAsnArgLeuAlaAlaHisProProPheAlaSerTrpArgAsnSerGluGluAlaArgThrAspArgProSerGlnGlnLeuArgSerLeuA
1501 ATGGCGAATGGCGCTTTGCCTGGTTTCCGGCACCAGAAGCGGTGCCGGAAAGCTGGCTGGAGTGCGATCTTCCTGAGGCCGATACTGTCGTCGTCCCCTC
88 snGlyGluTrpArgPheAlaTrpPheProAlaProGluAlaValProGluSerTrpLeuGluCysAspLeuProGluAlaAspThrValValValProSe
1601 AAACTGGCAGATGCACGGTTACGATGCGCCCATCTACACCAACGTAACCTATCCCATTACGGTCAATCCGCCGTTTGTTCCCACGGAGAATCCGACGGGT
121 rAsnTrpGlnMetHisGlyTyrAspAlaProIleTyrThrAsnValThrTyrProIleThrValAsnProProPheValProThrGluAsnProThrGly
1701 TGTTACTCGCTCACATTTAATGTTGATGAAAGCTGGCTACAGGAAGGCCAGACGCGAATTATTTTTGATGGCGTTAACTCGGCGTTTCATCTGTGGTGCA
155 CysTyrSerLeuThrPheAsnValAspGluSerTrpLeuGlnGluGlyGlnThrArgIleIlePheAspGlyValAsnSerAlaPheHisLeuTrpCysA
1801 ACGGGCGCTGGGTCGGTTACGGCCAGGACAGTCGTTTGCCGTCTGAATTTGACCTGAGCGCATTTTTACGCGCCGGAGAAAACCGCCTCGCGGTGATGGT
188 snGlyArgTrpValGlyTyrGlyGlnAspSerArgLeuProSerGluPheAspLeuSerAlaPheLeuArgAlaGlyGluAsnArgLeuAlaValMetVa
1901 GCTGCGTTGGAGTGACGGCAGTTATCTGGAAGATCAGGATATGTGGCGGATGAGCGGCATTTTCCGTGACGTCTCGTTGCTGCATAAACCGACTACACAA
221 lLeuArgTrpSerAspGlySerTyrLeuGluAspGlnAspMetTrpArgMetSerGlyIlePheArgAspValSerLeuLeuHisLysProThrThrGln
2001 ATCAGCGATTTCCATGTTGCCACTCGCTTTAATGATGATTTCAGCCGCGCTGTACTGGAGGCTGAAGTTCAGATGTGCGGCGAGTTGCGTGACTACCTAC
255 IleSerAspPheHisValAlaThrArgPheAsnAspAspPheSerArgAlaValLeuGluAlaGluValGlnMetCysGlyGluLeuArgAspTyrLeuA
2101 GGGTAACAGTTTCTTTATGGCAGGGTGAAACGCAGGTCGCCAGCGGCACCGCGCCTTTCGGCGGTGAAATTATCGATGAGCGTGGTGGTTATGCCGATCG
288 rgValThrValSerLeuTrpGlnGlyGluThrGlnValAlaSerGlyThrAlaProPheGlyGlyGluIleIleAspGluArgGlyGlyTyrAlaAspAr
2201 CGTCACACTACGTCTGAACGTCGAAAACCCGAAACTGTGGAGCGCCGAAATCCCGAATCTCTATCGTGCGGTGGTTGAACTGCACACCGCCGACGGCACG
321 gValThrLeuArgLeuAsnValGluAsnProLysLeuTrpSerAlaGluIleProAsnLeuTyrArgAlaValValGluLeuHisThrAlaAspGlyThr
2301 CTGATTGAAGCAGAAGCCTGCGATGTCGGTTTCCGCGAGGTGCGGATTGAAAATGGTCTGCTGCTGCTGAACGGCAAGCCGTTGCTGATTCGAGGCGTTA
355 LeuIleGluAlaGluAlaCysAspValGlyPheArgGluValArgIleGluAsnGlyLeuLeuLeuLeuAsnGlyLysProLeuLeuIleArgGlyValA
EcoRV (2463)
2401 ACCGTCACGAGCATCATCCTCTGCATGGTCAGGTCATGGATGAGCAGACGATGGTGCAGGATATCCTGCTGATGAAGCAGAACAACTTTAACGCCGTGCG
388 snArgHisGluHisHisProLeuHisGlyGlnValMetAspGluGlnThrMetValGlnAspIleLeuLeuMetLysGlnAsnAsnPheAsnAlaValAr
2501 CTGTTCGCATTATCCGAACCATCCGCTGTGGTACACGCTGTGCGACCGCTACGGCCTGTATGTGGTGGATGAAGCCAATATTGAAACCCACGGCATGGTG
421 gCysSerHisTyrProAsnHisProLeuTrpTyrThrLeuCysAspArgTyrGlyLeuTyrValValAspGluAlaAsnIleGluThrHisGlyMetVal
2601 CCAATGAATCGTCTGACCGATGATCCGCGCTGGCTACCGGCGATGAGCGAACGCGTAACGCGAATGGTGCAGCGCGATCGTAATCACCCGAGTGTGATCA
455 ProMetAsnArgLeuThrAspAspProArgTrpLeuProAlaMetSerGluArgValThrArgMetValGlnArgAspArgAsnHisProSerValIleI
2701 TCTGGTCGCTGGGGAATGAATCAGGCCACGGCGCTAATCACGACGCGCTGTATCGCTGGATCAAATCTGTCGATCCTTCCCGCCCGGTGCAGTATGAAGG
488 leTrpSerLeuGlyAsnGluSerGlyHisGlyAlaAsnHisAspAlaLeuTyrArgTrpIleLysSerValAspProSerArgProValGlnTyrGluGl
2801 CGGCGGAGCCGACACCACGGCCACCGATATTATTTGCCCGATGTACGCGCGCGTGGATGAAGACCAGCCCTTCCCGGCTGTGCCGAAATGGTCCATCAAA
521 yGlyGlyAlaAspThrThrAlaThrAspIleIleCysProMetTyrAlaArgValAspGluAspGlnProPheProAlaValProLysTrpSerIleLys
2901 AAATGGCTTTCGCTACCTGGAGAGACGCGCCCGCTGATCCTTTGCGAATACGCCCACGCGATGGGTAACAGTCTTGGCGGTTTCGCTAAATACTGGCAGG
555 LysTrpLeuSerLeuProGlyGluThrArgProLeuIleLeuCysGluTyrAlaHisAlaMetGlyAsnSerLeuGlyGlyPheAlaLysTyrTrpGlnA
3001 CGTTTCGTCAGTATCCCCGTTTACAGGGCGGCTTCGTCTGGGACTGGGTGGATCAGTCGCTGATTAAATATGATGAAAACGGCAACCCGTGGTCGGCTTA
588 laPheArgGlnTyrProArgLeuGlnGlyGlyPheValTrpAspTrpValAspGlnSerLeuIleLysTyrAspGluAsnGlyAsnProTrpSerAlaTy
3101 CGGCGGTGATTTTGGCGATACGCCGAACGATCGCCAGTTCTGTATGAACGGTCTGGTCTTTGCCGACCGCACGCCGCATCCAGCGCTGACGGAAGCAAAA
621 rGlyGlyAspPheGlyAspThrProAsnAspArgGlnPheCysMetAsnGlyLeuValPheAlaAspArgThrProHisProAlaLeuThrGluAlaLys


BspLU11I (4109)
EcoRI (4423)
NheI (4429)
SwaI (4694)
BspLU11I (5432)
AseI (5470)