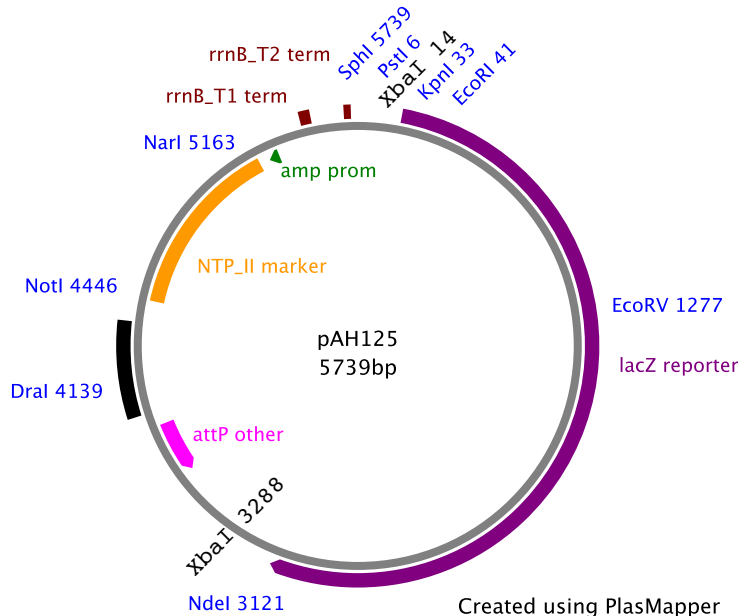


HindIII SphI PstI XbaI BamHI XmaI KpnI EcoRI BamHI
 aagcttgc atgc ctgcaggctgactctagaggatccccgggtaccgagctcgaattccccggggatccga
 ^5720 ^5730 ^10 ^20 ^30 ^40 ^50



One Site

AatII gacgt|c: 787.
 BssHII g|cgcg: 1662.
 DraI ttt|aaa: 4139.
 EcoRI g|aatc: 41.
 EcoRV gat|atc: 1277.
 KpnI ggtac|c: 33.
 NaeI gcc|ggc: 4663.
 NarI gg|cgcc: 5163.
 NdeI ca|tatg: 3121.
 NheI g|ctagc: 3616.
 NotI gc|ggccg: 4446.
 PstI ctgca|g: 6.
 Sali g|tcgac: 8.
 SphI gcatg|c: 5739.
 SspI aat|att: 1394.

Created using PlasMapper

LOCUS AY054372 5739 bp DNA circular SYN 17-OCT-2001
 DEFINITION CRIM plasmid pAH125, complete sequence.
 REFERENCE 1 (bases 1 to 5739)
 AUTHORS Haldimann,A. and Wanner,B.L.
 TITLE Conditional-replication, integration, excision, and retrieval
 plasmid-host systems for gene structure-function studies of
 bacteria
 JOURNAL J. Bacteriol. 183 (21), 6384-6393 (2001)

FEATURES Location/Qualifiers

source 1..5739
 /organism="CRIM plasmid pAH125"
 /mol_type="genomic DNA"
 /db_xref="taxon:172442"
 gene 149..3223
 /gene="lacZ"
 misc_feature 3343..3612
 /note="tL3"
 misc_feature 3618..4013
 /note="attL"
 misc_feature 4021..4412
 /note="oriRg"
 gene complement(4499..5293)
 /gene="kan"

Multiple Sites

AvaI c|ycgrg: 25, 46, 1502, 2945.
 BamHI g|gatcc: 20, 51.
 BclI t|gatca: 1510, 3331.
 ClaI at|cgat: 988, 5447.
 HincII gty|rac: 10, 590, 1214, 3042.
 HindIII a|agctt: 4133, 5729.
 HpaI gtt|aac: 590, 1214.
 MluI a|cgcgt: 1466, 2246, 2671.
 NcoI c|catgg: 4009, 4729.
 PvuI cgat|cg: 287, 1013, 1493, 1946.
 PvuII cag|ctg: 256, 2813, 3176, 5059.
 SacI gagct|c: 39, 2104.
 SmaI ccc|ggg: 27, 48.
 VspI at|taat: 3303, 3342, 4212.
 XbaI t|ctaga: 14, 3288.
 XmaI c|ccggg: 25, 46.

No Sites

AccIII t|ccgga: none.
 ApaI gggcc|c: none.
 BglII a|gatct: none.
 NruI tcg|cga: none.
 SacII ccgc|gg: none.
 ScaI agt|act: none.
 SpeI a|ctagt: none.
 StuI agg|cct: none.
 XhoI c|tcgag: none.