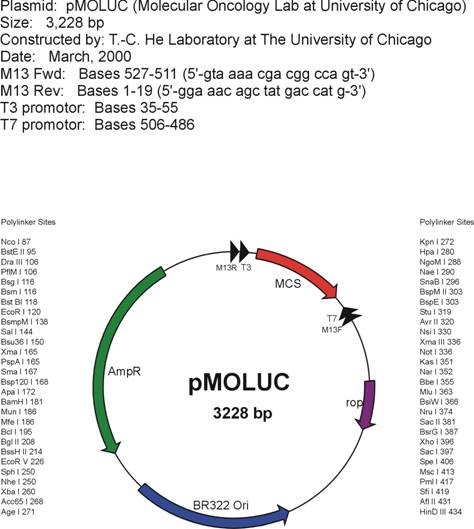
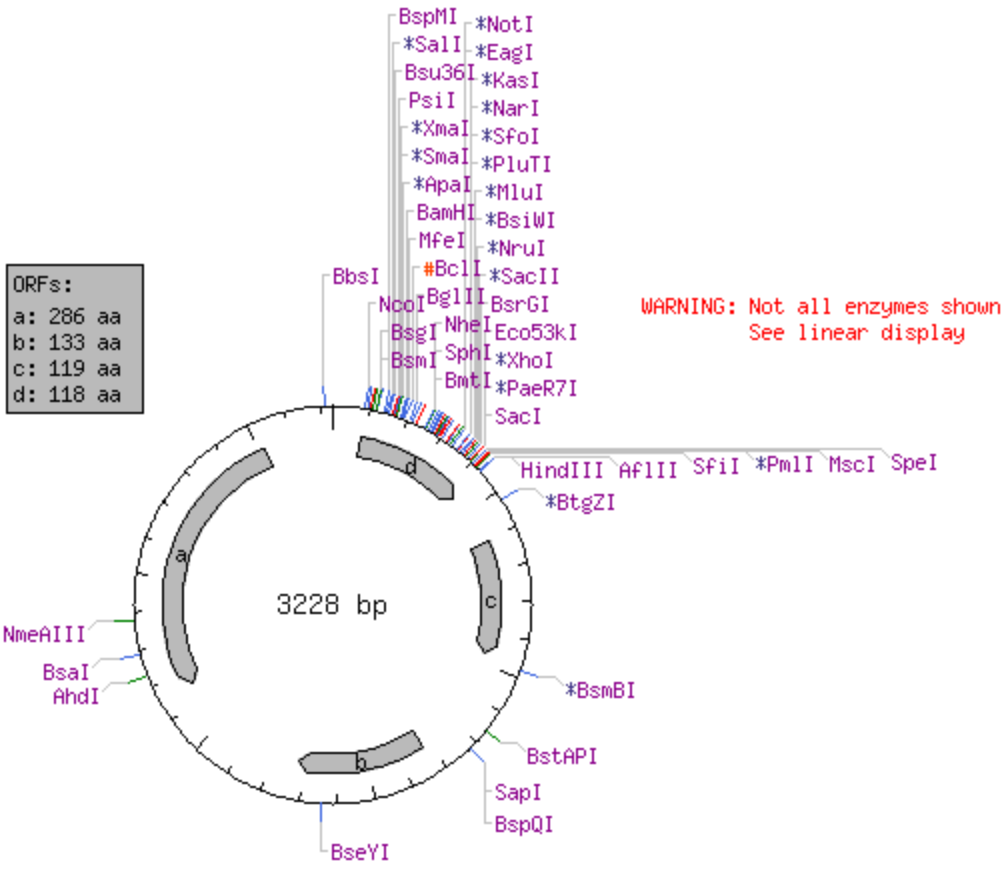
**pMOLuc Sequence**



GGAAACAGCTATGACCATGATTACGCCAAGCTCGAAATTAACCCTCACTAAAGGGAACAAAAGCTGGTACGAGGACAGGCTGGAGCCATGGCTGGTGACCACGTCGTGGAATGCCTTCGAATTCAGCACCTGCACATGGGACGTCGACCTGAGGTAATTATAACCCGGGCCCTATATATGGATCCAATTGCAATGATCATCATGACAGATCTGCGCGCGATCGATATCAGCGCTTTAAATTTGCGCATGCTAGCTATAGTTCTAGAGGTACCGGTTGTTAACGTTAGCCGGCTACGTATACTCCGGAATATTAATAGGCCTAGGATGCATATGGCGGCCGCCTGCAGCTGGCGCCATCGATACGCGTACGTCGCGACCGCGGACATGTACAGAGCTCGAGAAGTACTAGTGGCCACGTGGGCCGTGCACCTTAAGCTTGCCTAATCGGACGAAAAAATGACCATGATTACGCCAAGCTCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTCGTTTTACCCGGATCTGCATCGCAGGATGCTGCTGGCTACCCTGTGGAACACCTACATCTGTATTAACGAAGCGCTGGCATTGACCCTGAGTGATTTTTCTCTGGTCCCGCCGCATCCATACCGCCAGTTGTTTACCCTCACAACGTTCCAGTAACCGGGCATGTTCATCATCAGTAACCCGTATCGTGAGCATCCTCTCTCGTTTCATCGGTATCATTACCCCCATGAACAGAAATCCCCCTTACACGGAGGCATCAGTGACCAAACAGGAAAAAACCGCCCTTAACATGGCCCGCTTTATCAGAAGCCAGACATTAACGCTTCTGGAGAAACTCAACGAGCTGGACGCGGATGAACAGGCAGACATCTGTGAATCGCTTCACGACCACGCTGATGAGCTTTACCGCAGCTGCCTCGCGCGTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTTGGCGGGTGTCGGGGCGCAGCCATGACCCAGTCACGTAGCGATAGCGGAGTGTATACTGGCTTAACTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACCATATGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCTCTTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCCGTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTGTTTGCAAGCAGCAGATTACGCGCAGAAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGAACGAAAACTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCTTTTAAATTAAAAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCGTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGATTTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGTTGCCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTGCAGGCATCGTGGTGTCACGCTCGTCGTTTGGTATGGCTTCATTCAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAACACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAAGGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAATAGGCGTATCACGAGGCCCTTTCGTCTTCAAGaatt



**Single Cutters of pMOLuc vector:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Enzyme** | **Specificity** | **Sites & flanks** | **Cut positions** (blunt - 5' ext. - 3' ext.) |
| 1 | [Acc65I](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Acc65I) | pixGcut5smGTACcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=Acc65I) | [\*267/271](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Acc65I&recpos=266) |
| 2 | [AflII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AflII) | pixCcut5smTTAAcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=AflII) | [430/434](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AflII&recpos=429) |
| 3 | [AgeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AgeI) | pixAcut5smCCGGcut3smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=AgeI) | [\*270/274](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AgeI&recpos=269) |
| 4 | [AhdI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AhdI) | pixGACNNcut3smNcut5smNNGTCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=AhdI) | [2231/2230](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AhdI&recpos=2225) |
| 5 | [ApaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=ApaI) | pixGcut3smGGCCcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=ApaI) | [\*171/167](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=ApaI&recpos=166) |
| 6 | [AvrII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AvrII) | pixCcut5smCTAGcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=AvrII) | [319/323](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AvrII&recpos=318) |
| 7 | [BamHI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BamHI) | pixGcut5smGATCcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BamHI) | [180/184](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BamHI&recpos=179) |
| 8 | [BbsI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BbsI) | pixGAAGACNNcut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BbsI) | [3209/3213](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BbsI&recpos=3215) |
| 9 | [BclI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BclI) | pixTcut5smGATCcut3smApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BclI) | [#194/198](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BclI&recpos=193) |
| 10 | [BfuAI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BfuAI) | pixACCTGCNNNNcut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BfuAI) | [137/141](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BfuAI&recpos=127) |
| 11 | [BglII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BglII) | pixAcut5smGATCcut3smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BglII) | [207/211](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BglII&recpos=206) |
| 12 | [BmgBI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BmgBI) | pixCACcut53smGTCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BmgBI) | [\*102](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BmgBI&recpos=99) |
| 13 | [BmtI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BmtI) | pixGcut3smCTAGcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BmtI) | [253/249](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BmtI&recpos=248) |
| 14 | [BsaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsaI) | pixGGTCTCNcut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsaI) | [2292/2296](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsaI&recpos=2297) |
| 15 | [BsaXI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsaXI) | pixcut3smNNNcut5sm(N)9AC(N)5CTCC(N)7cut3smNNNcut5smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsaXI) | [284/281+314/311](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsaXI&recpos=293) |
| 16 | [BseYI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BseYI) | pixCcut5smCCAGcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BseYI) | [1642/1646](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BseYI&recpos=1641) |
| 17 | [BsgI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsgI) | pixGTGCAG(N)14cut3smNNcut5smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsgI) | [115/113](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsgI&recpos=129) |
| 18 | [BsiWI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsiWI) | pixCcut5smGTACcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsiWI) | [\*365/369](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsiWI&recpos=364) |
| 19 | [BsmBI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsmBI) | pixCGTCTCNcut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsmBI) | [\*981/985](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsmBI&recpos=986) |
| 20 | [BsmI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsmI) | pixGAATGcut3smCNcut5smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsmI) | [115/113](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsmI&recpos=108) |
| 21 | [BspEI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspEI) | pixTcut5smCCGGcut3smApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BspEI) | [\*302/306](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspEI&recpos=301) |
| 22 | [BspMI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspMI) | pixACCTGCNNNNcut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BspMI) | [137/141](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspMI&recpos=127) |
| 23 | [BspQI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspQI) | pixGCTCTTCNcut5smNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BspQI) | [1222/1225](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BspQI&recpos=1214) |
| 24 | [BsrGI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsrGI) | pixTcut5smGTACcut3smApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BsrGI) | [386/390](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BsrGI&recpos=385) |
| 25 | [BssHII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BssHII) | pixGcut5smCGCGcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BssHII) | [\*213/217](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BssHII&recpos=212) |
| 26 | [BstAPI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstAPI) | pixGCANcut3smNNNcut5smNTGCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BstAPI) | [1162/1159](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstAPI&recpos=1155) |
| 27 | [BstBI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstBI) | pixTTcut5smCGcut3smAApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BstBI) | [\*117/119](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstBI&recpos=115) |
| 28 | [BstEII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstEII) | pixGcut5smGTNACcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BstEII) | [94/99](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstEII&recpos=93) |
| 29 | [Bsu36I](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Bsu36I) | pixCCcut5smTNAcut3smGGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=Bsu36I) | [149/152](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Bsu36I&recpos=147) |
| 30 | [BtgZI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BtgZI) | pixGCGATG(N)10cut5smNNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=BtgZI) | [\*524/528](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BtgZI&recpos=538) |
| 31 | [DraIII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=DraIII) | pixCACcut3smNNNcut5smGTGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=DraIII) | [\*105/102](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=DraIII&recpos=99) |
| 32 | [EagI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EagI) | pixCcut5smGGCCcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=EagI) | [\*335/339](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EagI&recpos=334) |
| 33 | [Eco53kI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Eco53kI) | pixGAGcut53smCTCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=Eco53kI) | [394](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Eco53kI&recpos=391) |
| 34 | [EcoRI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EcoRI) | pixGcut5smAATTcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=EcoRI) | [\*119/123](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EcoRI&recpos=118) |
| 35 | [EcoRV](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EcoRV) | pixGATcut53smATCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=EcoRV) | [225](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EcoRV&recpos=222) |
| 36 | [HindIII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=HindIII) | pixAcut5smAGCTcut3smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=HindIII) | [433/437](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=HindIII&recpos=432) |
| 37 | [HpaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=HpaI) | pixGTTcut53smAACpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=HpaI) | [279](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=HpaI&recpos=276) |
| 38 | [KasI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=KasI) | pixGcut5smGCGCcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=KasI) | [\*350/354](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=KasI&recpos=349) |
| 39 | [KpnI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=KpnI) | pixGcut3smGTACcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=KpnI) | [271/267](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=KpnI&recpos=266) |
| 40 | [MfeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MfeI) | pixCcut5smAATTcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=MfeI) | [185/189](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MfeI&recpos=184) |
| 41 | [MluI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MluI) | pixAcut5smCGCGcut3smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=MluI) | [\*362/366](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MluI&recpos=361) |
| 42 | [MscI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MscI) | pixTGGcut53smCCApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=MscI) | [412](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=MscI&recpos=409) |
| 43 | [NaeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NaeI) | pixGCCcut53smGGCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NaeI) | [\*289](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NaeI&recpos=286) |
| 44 | [NarI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NarI) | pixGGcut5smCGcut3smCCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NarI) | [\*351/353](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NarI&recpos=349) |
| 45 | [NcoI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NcoI) | pixCcut5smCATGcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NcoI) | [86/90](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NcoI&recpos=85) |
| 46 | [NgoMIV](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NgoMIV) | pixGcut5smCCGGcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NgoMIV) | [\*287/291](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NgoMIV&recpos=286) |
| 47 | [NheI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NheI) | pixGcut5smCTAGcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NheI) | [249/253](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NheI&recpos=248) |
| 48 | [NmeAIII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NmeAIII) | pixGCCGAG(N)19cut3smNNcut5smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NmeAIII) | [2380/2378](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NmeAIII&recpos=2353) |
| 49 | [NotI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NotI) | pixGCcut5smGGCCcut3smGCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NotI) | [\*335/339](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NotI&recpos=333) |
| 50 | [NruI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NruI) | pixTCGcut53smCGApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NruI) | [\*373](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NruI&recpos=370) |
| 51 | [NsiI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NsiI) | pixAcut3smTGCAcut5smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=NsiI) | [329/325](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=NsiI&recpos=324) |
| 52 | [PaeR7I](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PaeR7I) | pixCcut5smTCGAcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PaeR7I) | [\*395/399](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PaeR7I&recpos=394) |
| 53 | [PflMI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PflMI) | pixCCANcut3smNNNcut5smNTGGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PflMI) | [105/102](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PflMI&recpos=98) |
| 54 | [PluTI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PluTI) | pixGcut3smGCGCcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PluTI) | [\*354/350](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PluTI&recpos=349) |
| 55 | [PmlI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PmlI) | pixCACcut53smGTGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PmlI) | [\*416](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PmlI&recpos=413) |
| 56 | [PsiI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PsiI) | pixTTAcut53smTAApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PsiI) | [160](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PsiI&recpos=157) |
| 57 | [PspOMI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PspOMI) | pixGcut5smGGCCcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=PspOMI) | [\*167/171](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PspOMI&recpos=166) |
| 58 | [SacI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SacI) | pixGcut3smAGCTcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SacI) | [396/392](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SacI&recpos=391) |
| 59 | [SacII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SacII) | pixCCcut3smGCcut5smGGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SacII) | [\*380/378](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SacII&recpos=376) |
| 60 | [SalI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SalI) | pixGcut5smTCGAcut3smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SalI) | [\*143/147](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SalI&recpos=142) |
| 61 | [SapI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SapI) | pixGCTCTTCNcut5smNNNcut3smpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SapI) | [1222/1225](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SapI&recpos=1214) |
| 62 | [SfiI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SfiI) | pixGGCCNcut3smNNNcut5smNGGCCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SfiI) | [418/415](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SfiI&recpos=410) |
| 63 | [SfoI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SfoI) | pixGGCcut53smGCCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SfoI) | [\*352](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SfoI&recpos=349) |
| 64 | [SmaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SmaI) | pixCCCcut53smGGGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SmaI) | [\*166](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SmaI&recpos=163) |
| 65 | [SnaBI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SnaBI) | pixTACcut53smGTApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SnaBI) | [\*295](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SnaBI&recpos=292) |
| 66 | [SpeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SpeI) | pixAcut5smCTAGcut3smTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SpeI) | [405/409](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SpeI&recpos=404) |
| 67 | [SphI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SphI) | pixGcut3smCATGcut5smCpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=SphI) | [249/245](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SphI&recpos=244) |
| 68 | [StuI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=StuI) | pixAGGcut53smCCTpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=StuI) | [318](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=StuI&recpos=315) |
| 69 | [TspMI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=TspMI) | pixCcut5smCCGGcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=TspMI) | [\*164/168](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=TspMI&recpos=163) |
| 70 | [XbaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XbaI) | pixTcut5smCTAGcut3smApix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=XbaI) | [261/265](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XbaI&recpos=260) |
| 71 | [XhoI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XhoI) | pixCcut5smTCGAcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=XhoI) | [\*395/399](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XhoI&recpos=394) |
| 72 | [XmaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XmaI) | pixCcut5smCCGGcut3smGpix | [list](http://nc2.neb.com/NEBcutter2/listbycuts.php?name=d3b776df-&enzname=XmaI) | [\*164/168](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XmaI&recpos=163) |

**0 Cutters of pMOLuc vector:**

|  |  |  |
| --- | --- | --- |
| **#** | **Enzyme** | **Specificity** |
| 1 | [AleI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AleI) | pixCACNNcut53smNNGTGpix |
| 2 | [AscI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AscI) | pixGGcut5smCGCGcut3smCCpix |
| 3 | [AsiSI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=AsiSI) | pixGCGcut3smATcut5smCGCpix |
| 4 | [BaeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BaeI) | pixcut3sm(N)5cut5sm(N)10ACNNNNGTAYC(N)7cut3sm(N)5cut5smpix |
| 5 | [BbvCI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BbvCI) | pixCCcut5smTCAcut3smGCpix |
| 6 | [BlpI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BlpI) | pixGCcut5smTNAcut3smGCpix |
| 7 | [Bpu10I](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=Bpu10I) | pixCCcut5smTNAcut3smGCpix |
| 8 | [BseRI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BseRI) | pixGAGGAG(N)8cut3smNNcut5smpix |
| 9 | [BstXI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=BstXI) | pixCCANcut3smNNNNcut5smNTGGpix |
| 10 | [CspCI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=CspCI) | pixcut3smNNcut5sm(N)11CAA(N)5GTGG(N)10cut3smNNcut5smpix |
| 11 | [EcoNI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=EcoNI) | pixCCTNNcut5smNcut3smNNAGGpix |
| 12 | [FseI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=FseI) | pixGGcut3smCCGGcut5smCCpix |
| 13 | [PacI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PacI) | pixTTAcut3smATcut5smTAApix |
| 14 | [PmeI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PmeI) | pixGTTTcut53smAAACpix |
| 15 | [PpuMI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PpuMI) | pixRGcut5smGWCcut3smCYpix |
| 16 | [PshAI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PshAI) | pixGACNNcut53smNNGTCpix |
| 17 | [PspXI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=PspXI) | pixVCcut5smTCGAcut3smGBpix |
| 18 | [RsrII](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=RsrII) | pixCGcut5smGWCcut3smCGpix |
| 19 | [SbfI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SbfI) | pixCCcut3smTGCAcut5smGGpix |
| 20 | [SexAI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SexAI) | pixAcut5smCCWGGcut3smTpix |
| 21 | [SgrAI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SgrAI) | pixCRcut5smCCGGcut3smYGpix |
| 22 | [SrfI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SrfI) | pixGCCCcut53smGGGCpix |
| 23 | [SwaI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=SwaI) | pixATTTcut53smAAATpix |
| 24 | [XcmI](http://nc2.neb.com/NEBcutter2/enz.php?name=d3b776df-&enzname=XcmI) | pixCCANNNNcut3smNcut5smNNNNTGGpix |

**All Sites in pMOLuc vector:**

Cut pos. MS Enzyme Recognition sequence

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5 MspJI CNNR(N)9^NNNN\_

8 \* MspJI CNNR(N)9^NNNN\_

8 CviKI-1 RG|CY

8 AluI AG|CT

15 FatI ^CATG\_

16 CviAII C^AT\_G

19 NlaIII \_CATG^

28 MspJI CNNR(N)9^NNNN\_

28 FspEI CC(N)12^NNNN\_

30 CviKI-1 RG|CY

30 AluI AG|CT

32 TaqI T^CG\_A

35 MluCI ^AATT\_

36 FspEI CC(N)12^NNNN\_

37 FspEI CC(N)12^NNNN\_

38 MspJI CNNR(N)9^NNNN\_

38 MseI T^TA\_A

39 MspJI CNNR(N)9^NNNN\_

39 FspEI CC(N)12^NNNN\_

43 \* MspJI CNNR(N)9^NNNN\_

45 \* MspJI CNNR(N)9^NNNN\_

49 FspEI CC(N)12^NNNN\_

49 LpnPI CCDG(N)10^NNNN\_

53 MnlI CCTC(N)6\_N^

54 \* MspJI CNNR(N)9^NNNN\_

55 FspEI CC(N)12^NNNN\_

56 MspJI CNNR(N)9^NNNN\_

56 FspEI CC(N)12^NNNN\_

56 FspEI CC(N)12^NNNN\_

60 MspJI CNNR(N)9^NNNN\_

61 FspEI CC(N)12^NNNN\_

61 LpnPI CCDG(N)10^NNNN\_

63 CviKI-1 RG|CY

63 AluI AG|CT

64 MnlI CCTC(N)6\_N^

65 FspEI CC(N)12^NNNN\_

65 LpnPI CCDG(N)10^NNNN\_

67 CviQI G^TA\_C

68 \* RsaI GT|AC

70 MspJI CNNR(N)9^NNNN\_

73 FspEI CC(N)12^NNNN\_

76 MspJI CNNR(N)9^NNNN\_

77 FspEI CC(N)12^NNNN\_

77 LpnPI CCDG(N)10^NNNN\_

79 CviKI-1 RG|CY

82 \* MspJI CNNR(N)9^NNNN\_

84 NlaIV GGN|NCC

85 CviKI-1 RG|CY

86 FatI ^CATG\_

86 BsaJI C^CNNG\_G

86 BtgI C^CRYG\_G

86 StyI C^CWWG\_G

86 NcoI C^CATG\_G

87 CviAII C^AT\_G

88 MspJI CNNR(N)9^NNNN\_

90 NlaIII \_CATG^

91 FspEI CC(N)12^NNNN\_

91 CviKI-1 RG|CY

92 MspJI CNNR(N)9^NNNN\_

94 Tsp45I ^GTSAC\_

94 BstEII G^GTNAC\_C

99 MspJI CNNR(N)9^NNNN\_

99 FspEI CC(N)12^NNNN\_

100 PflFI GACN^N\_NGTC

100 Tth111I GACN^N\_NGTC

101 \* HpyCH4IV A^CG\_T

101 BpmI CTGGAG(N)14\_NN^

102 \* MspJI CNNR(N)9^NNNN\_

102 \* BmgBI CAC|GTC

104 MspJI CNNR(N)9^NNNN\_

105 BslI CCNN\_NNN^NNGG

105 \* DraIII CAC\_NNN^GTG

105 PflMI CCAN\_NNN^NTGG

106 HphI GGTGA(N)7\_N^

106 \* Hpy99I \_CGWCG^

109 MspJI CNNR(N)9^NNNN\_

112 \* MspJI CNNR(N)9^NNNN\_

112 FspEI CC(N)12^NNNN\_

113 XmnI GAANN|NNTTC

115 BsgI GTGCAG(N)14\_NN^

115 BsmI GAATG\_CN^

117 \* MspJI CNNR(N)9^NNNN\_

117 TaqI T^CG\_A

117 \* BstBI TT^CG\_AA

119 MluCI ^AATT\_

119 ApoI R^AATT\_Y

119 \* EcoRI G^AATT\_C

121 FspEI CC(N)12^NNNN\_

122 FspEI CC(N)12^NNNN\_

123 MspJI CNNR(N)9^NNNN\_

124 \* HpyAV CCTTC(N)5\_N^

127 FspEI CC(N)12^NNNN\_

129 AlwNI CAG\_NNN^CTG

130 \* MspJI CNNR(N)9^NNNN\_

132 HpyCH4V TG|CA

134 FatI ^CATG\_

135 CviAII C^AT\_G

135 BslI CCNN\_NNN^NNGG

136 MspJI CNNR(N)9^NNNN\_

136 FspEI CC(N)12^NNNN\_

137 BfuAI ACCTGCNNNN^NNNN\_

137 BspMI ACCTGCNNNN^NNNN\_

138 NlaIII \_CATG^

141 MspJI CNNR(N)9^NNNN\_

141 \* HpyCH4IV A^CG\_T

141 BspCNI CTCAG(N)7\_NN^

141 \* BsaHI GR^CG\_YC

142 FspEI CC(N)12^NNNN\_

142 LpnPI CCDG(N)10^NNNN\_

142 \* ZraI GAC|GTC

143 \* SalI G^TCGA\_C

144 MnlI CCTC(N)6\_N^

144 TaqI T^CG\_A

144 \* AccI GT^MK\_AC

144 \* AatII G\_ACGT^C

145 MspJI CNNR(N)9^NNNN\_

145 \* Hpy166II GTN|NAC

145 \* HincII GTY|RAC

146 \* Hpy99I \_CGWCG^

147 MspJI CNNR(N)9^NNNN\_

149 DdeI C^TNA\_G

149 Bsu36I CC^TNA\_GG

150 \* FspEI CC(N)12^NNNN\_

151 FspEI CC(N)12^NNNN\_

152 \* BsmFI GGGAC(N)10^NNNN\_

155 MluCI ^AATT\_

160 MspJI CNNR(N)9^NNNN\_

160 PsiI TTA|TAA

161 MspJI CNNR(N)9^NNNN\_

161 FspEI CC(N)12^NNNN\_

161 LpnPI CCDG(N)10^NNNN\_

163 MspJI CNNR(N)9^NNNN\_

163 FspEI CC(N)12^NNNN\_

163 \* StyD4I ^CCNGG\_

164 \* StyD4I ^CCNGG\_

164 BsaJI C^CNNG\_G

164 \* AvaI C^YCGR\_G

164 BsoBI C^YCGR\_G

164 \* TspMI C^CCGG\_G

164 \* XmaI C^CCGG\_G

165 \* HpaII C^CG\_G

165 \* MspI C^CG\_G

165 \* ScrFI CC^N\_GG

165 \* NciI CC^S\_GG

166 \* ScrFI CC^N\_GG

166 \* NciI CC^S\_GG

166 \* SmaI CCC|GGG

167 \* Sau96I G^GNC\_C

167 \* PspOMI G^GGCC\_C

168 Sau96I G^GNC\_C

168 EcoO109I RG^GNC\_CY

169 CviKI-1 RG|CY

169 HaeIII GG|CC

169 \* NlaIV GGN|NCC

171 Bsp1286I G\_DGCH^C

171 BaeGI G\_KGCM^C

171 BanII G\_RGCY^C

171 \* ApaI G\_GGCC^C

175 # AlwI GGATCNNNN^N\_

176 \* MspJI CNNR(N)9^NNNN\_

177 MspJI CNNR(N)9^NNNN\_

177 FspEI CC(N)12^NNNN\_

177 BslI CCNN\_NNN^NNGG

178 \* MspJI CNNR(N)9^NNNN\_

178 \* FspEI CC(N)12^NNNN\_

178 \* LpnPI CCDG(N)10^NNNN\_

180 BfuCI ^GATC\_

180 # DpnII ^GATC\_

180 # MboI ^GATC\_

180 Sau3AI ^GATC\_

180 BstYI R^GATC\_Y

180 BamHI G^GATC\_C

182 DpnI GA|TC

182 NlaIV GGN|NCC

183 MspJI CNNR(N)9^NNNN\_

183 FspEI CC(N)12^NNNN\_

184 FspEI CC(N)12^NNNN\_

185 MluCI ^AATT\_

185 MfeI C^AATT\_G

188 # AlwI GGATCNNNN^N\_

190 HpyCH4V TG|CA

194 BfuCI ^GATC\_

194 # DpnII ^GATC\_

194 # MboI ^GATC\_

194 Sau3AI ^GATC\_

194 # BclI T^GATC\_A

196 MspJI CNNR(N)9^NNNN\_

196 # MspJI CNNR(N)9^NNNN\_

196 DpnI GA|TC

197 FspEI CC(N)12^NNNN\_

197 BsrDI GCAATG\_NN^

198 \* MspJI CNNR(N)9^NNNN\_

200 FatI ^CATG\_

200 BspHI T^CATG\_A

201 CviAII C^AT\_G

201 Hpy188III TC^NN\_GA

204 NlaIII \_CATG^

207 BfuCI ^GATC\_

207 # DpnII ^GATC\_

207 # MboI ^GATC\_

207 Sau3AI ^GATC\_

207 BstYI R^GATC\_Y

207 BglII A^GATC\_T

209 DpnI GA|TC

213 MspJI CNNR(N)9^NNNN\_

213 MspJI CNNR(N)9^NNNN\_

213 \* HinP1I G^CG\_C

213 \* BssHII G^CGCG\_C

215 \* HhaI G\_CG^C

215 \* HinP1I G^CG\_C

215 \* Cac8I GCN|NGC

215 \* BstUI CG|CG

217 \* HhaI G\_CG^C

217 \* BstUI CG|CG

218 # MspJI CNNR(N)9^NNNN\_

218 \* BfuCI ^GATC\_

218 # DpnII ^GATC\_

218 \*# MboI ^GATC\_

218 \* Sau3AI ^GATC\_

220 \* DpnI GA|TC

221 # TaqI T^CG\_A

221 \* BsiEI CG\_RY^CG

221 \*# BspDI AT^CG\_AT

221 \*# ClaI AT^CG\_AT

221 \* PvuI CG\_AT^CG

223 \*# BsaBI GATNN|NNATC

225 EcoRV GAT|ATC

226 \* MspJI CNNR(N)9^NNNN\_

226 MspJI CNNR(N)9^NNNN\_

228 \* MspJI CNNR(N)9^NNNN\_

228 \* MspJI CNNR(N)9^NNNN\_

230 \* HinP1I G^CG\_C

231 \* AfeI AGC|GCT

232 \* HhaI G\_CG^C

233 \* HaeII R\_GCGC^Y

235 MseI T^TA\_A

236 DraI TTT|AAA

237 MluCI ^AATT\_

237 ApoI R^AATT\_Y

243 \* HinP1I G^CG\_C

244 \* FspI TGC|GCA

245 FatI ^CATG\_

245 \* HhaI G\_CG^C

246 CviAII C^AT\_G

247 \* Cac8I GCN|NGC

249 NlaIII \_CATG^

249 NspI R\_CATG^Y

249 NheI G^CTAG\_C

249 SphI G\_CATG^C

250 FspEI CC(N)12^NNNN\_

250 BfaI C^TA\_G

251 Cac8I GCN|NGC

253 CviKI-1 RG|CY

253 AluI AG|CT

253 BmtI G\_CTAG^C

254 SfcI C^TRYA\_G

256 \* MspJI CNNR(N)9^NNNN\_

256 \* FspEI CC(N)12^NNNN\_

258 MspJI CNNR(N)9^NNNN\_

258 MnlI CCTC(N)6\_N^

261 XbaI T^CTAG\_A

262 MspJI CNNR(N)9^NNNN\_

262 Hpy188III TC^NN\_GA

262 BfaI C^TA\_G

267 \* BanI G^GYRC\_C

267 \* Acc65I G^GTAC\_C

268 CviQI G^TA\_C

269 \* NlaIV GGN|NCC

269 RsaI GT|AC

270 MspJI CNNR(N)9^NNNN\_

270 BsaWI W^CCGG\_W

270 \* BsrFI R^CCGG\_Y

270 \* AgeI A^CCGG\_T

271 \* HpaII C^CG\_G

271 \* MspI C^CG\_G

271 KpnI G\_GTAC^C

273 \* FspEI CC(N)12^NNNN\_

274 MspJI CNNR(N)9^NNNN\_

278 MseI T^TA\_A

279 \* MspJI CNNR(N)9^NNNN\_

279 \* Hpy166II GTN|NAC

279 \* HincII GTY|RAC

279 HpaI GTT|AAC

281 \* HpyCH4IV A^CG\_T

281 \* AclI AA^CG\_TT

283 MspJI CNNR(N)9^NNNN\_

284 \* FspEI CC(N)12^NNNN\_

284 \* LpnPI CCDG(N)10^NNNN\_

284 BsaXI \_NNN^(N)9AC(N)5CTCC(N)7\_NNN^

287 CviKI-1 RG|CY

287 \* BsrFI R^CCGG\_Y

287 \* NgoMIV G^CCGG\_C

288 \* MspJI CNNR(N)9^NNNN\_

288 \* FspEI CC(N)12^NNNN\_

288 \* HpaII C^CG\_G

288 \* MspI C^CG\_G

289 \* Cac8I GCN|NGC

289 \* NaeI GCC|GGC

291 CviKI-1 RG|CY

294 \* HpyCH4IV A^CG\_T

295 \* BsaAI YAC|GTR

295 \* SnaBI TAC|GTA

297 \* AccI GT^MK\_AC

298 \* Hpy166II GTN|NAC

298 \* BstZ17I GTA|TAC

300 MspJI CNNR(N)9^NNNN\_

300 FspEI CC(N)12^NNNN\_

301 MspJI CNNR(N)9^NNNN\_

301 \* FspEI CC(N)12^NNNN\_

301 \* LpnPI CCDG(N)10^NNNN\_

302 BsaWI W^CCGG\_W

302 \* BspEI T^CCGG\_A

303 Hpy188III TC^NN\_GA

303 \* HpaII C^CG\_G

303 \* MspI C^CG\_G

306 FspEI CC(N)12^NNNN\_

307 \* MspJI CNNR(N)9^NNNN\_

307 MspJI CNNR(N)9^NNNN\_

309 SspI AAT|ATT

311 MseI T^TA\_A

311 AseI AT^TA\_AT

314 SfaNI GCATC(N)5^NNNN\_

315 MspJI CNNR(N)9^NNNN\_

316 \* MspJI CNNR(N)9^NNNN\_

316 MspJI CNNR(N)9^NNNN\_

316 \* FspEI CC(N)12^NNNN\_

316 FspEI CC(N)12^NNNN\_

316 \* LpnPI CCDG(N)10^NNNN\_

318 CviKI-1 RG|CY

318 HaeIII GG|CC

318 StuI AGG|CCT

319 \* FspEI CC(N)12^NNNN\_

319 BsaJI C^CNNG\_G

319 StyI C^CWWG\_G

319 AvrII C^CTAG\_G

320 BfaI C^TA\_G

324 MwoI GCNN\_NNN^NNGC

327 HpyCH4V TG|CA

329 BtsCI GGATG\_NN^

329 NdeI CA^TA\_TG

329 NsiI A\_TGCA^T

331 MspJI CNNR(N)9^NNNN\_

332 MspJI CNNR(N)9^NNNN\_

332 FspEI CC(N)12^NNNN\_

333 FspEI CC(N)12^NNNN\_

333 LpnPI CCDG(N)10^NNNN\_

334 \* AciI C^CG\_C

335 \* Fnu4HI GC^N\_GC

335 \* EaeI Y^GGCC\_R

335 \* EagI C^GGCC\_G

335 \* NotI GC^GGCC\_GC

336 FokI GGATG(N)9^NNNN\_

337 CviKI-1 RG|CY

337 \* HaeIII GG|CC

338 \* AciI C^CG\_C

338 \* Fnu4HI GC^N\_GC

338 \* BsiEI CG\_RY^CG

340 MspJI CNNR(N)9^NNNN\_

342 \* Cac8I GCN|NGC

342 SfcI C^TRYA\_G

344 HpyCH4V TG|CA

344 ApeKI G^CWG\_C

344 TseI G^CWG\_C

345 Fnu4HI GC^N\_GC

346 PstI C\_TGCA^G

347 \* MspJI CNNR(N)9^NNNN\_

347 CviKI-1 RG|CY

347 AluI AG|CT

347 BslI CCNN\_NNN^NNGG

347 MspA1I CMG|CKG

347 PvuII CAG|CTG

349 \* Cac8I GCN|NGC

350 MwoI GCNN\_NNN^NNGC

350 BanI G^GYRC\_C

350 \* KasI G^GCGC\_C

351 \* FspEI CC(N)12^NNNN\_

351 \* HinP1I G^CG\_C

351 \* BsaHI GR^CG\_YC

351 \* NarI GG^CG\_CC

352 NlaIV GGN|NCC

352 \* SfoI GGC|GCC

353 MspJI CNNR(N)9^NNNN\_

353 \* MspJI CNNR(N)9^NNNN\_

353 \* HhaI G\_CG^C

354 FspEI CC(N)12^NNNN\_

354 LpnPI CCDG(N)10^NNNN\_

354 \* HaeII R\_GCGC^Y

354 \* PluTI G\_GCGC^C

356 BbvI GCAGC(N)8^NNNN\_

357 TaqI T^CG\_A

357 \* BspDI AT^CG\_AT

357 \* ClaI AT^CG\_AT

360 MspJI CNNR(N)9^NNNN\_

362 BccI CCATCNNNN^N\_

362 AflIII A^CRYG\_T

362 \* MluI A^CGCG\_T

364 \* FspEI CC(N)12^NNNN\_

364 \* BstUI CG|CG

365 \* BsiWI C^GTAC\_G

366 CviQI G^TA\_C

367 FspEI CC(N)12^NNNN\_

367 \* RsaI GT|AC

368 \* HpyCH4IV A^CG\_T

370 \* MwoI GCNN\_NNN^NNGC

372 \* Hpy188III TC^NN\_GA

373 \* BstUI CG|CG

373 \* Hpy99I \_CGWCG^

373 \* NruI TCG|CGA

375 \* MspJI CNNR(N)9^NNNN\_

377 \* MspJI CNNR(N)9^NNNN\_

377 \* AciI C^CG\_C

377 \* BsiEI CG\_RY^CG

377 BsaJI C^CNNG\_G

377 BtgI C^CRYG\_G

379 \* AciI C^CG\_C

379 \* BstUI CG|CG

379 \* MspA1I CMG|CKG

380 \* SacII CC\_GC^GG

383 FatI ^CATG\_

383 AflIII A^CRYG\_T

383 PciI A^CATG\_T

384 \* MspJI CNNR(N)9^NNNN\_

384 CviAII C^AT\_G

386 BsrGI T^GTAC\_A

387 NlaIII \_CATG^

387 CviQI G^TA\_C

387 NspI R\_CATG^Y

388 RsaI GT|AC

390 \* MspJI CNNR(N)9^NNNN\_

390 \* FspEI CC(N)12^NNNN\_

392 \* MspJI CNNR(N)9^NNNN\_

394 FspEI CC(N)12^NNNN\_

394 CviKI-1 RG|CY

394 AluI AG|CT

394 Eco53kI GAG|CTC

395 SmlI C^TYRA\_G

395 \* AvaI C^YCGR\_G

395 BsoBI C^YCGR\_G

395 \* PaeR7I C^TCGA\_G

395 \* XhoI C^TCGA\_G

396 MspJI CNNR(N)9^NNNN\_

396 TaqI T^CG\_A

396 Bsp1286I G\_DGCH^C

396 BsiHKAI G\_WGCW^C

396 BanII G\_RGCY^C

396 SacI G\_AGCT^C

397 \* Hpy188III TC^NN\_GA

402 MspJI CNNR(N)9^NNNN\_

402 FspEI CC(N)12^NNNN\_

403 FspEI CC(N)12^NNNN\_

403 CviQI G^TA\_C

404 MspJI CNNR(N)9^NNNN\_

404 RsaI GT|AC

404 ScaI AGT|ACT

405 SpeI A^CTAG\_T

406 BfaI C^TA\_G

406 \* BceAI ACGGC(N)12^NN\_

407 \* MspJI CNNR(N)9^NNNN\_

409 \* MspJI CNNR(N)9^NNNN\_

410 EaeI Y^GGCC\_R

412 CviKI-1 RG|CY

412 HaeIII GG|CC

412 MscI TGG|CCA

415 \* HpyCH4IV A^CG\_T

416 \* BsaAI YAC|GTR

416 \* PmlI CAC|GTG

418 MspJI CNNR(N)9^NNNN\_

418 MspJI CNNR(N)9^NNNN\_

418 MwoI GCNN\_NNN^NNGC

418 BglI GCCN\_NNN^NGGC

418 SfiI GGCCN\_NNN^NGGCC

419 \* Sau96I G^GNC\_C

421 CviKI-1 RG|CY

421 HaeIII GG|CC

424 \* ApaLI G^TGCA\_C

426 \* MspJI CNNR(N)9^NNNN\_

426 FspEI CC(N)12^NNNN\_

426 HpyCH4V TG|CA

426 \* Hpy166II GTN|NAC

428 \* MspJI CNNR(N)9^NNNN\_

428 Bsp1286I G\_DGCH^C

428 BsiHKAI G\_WGCW^C

428 BaeGI G\_KGCM^C

430 \* FspEI CC(N)12^NNNN\_

430 SmlI C^TYRA\_G

430 AflII C^TTAA\_G

431 MspJI CNNR(N)9^NNNN\_

431 MseI T^TA\_A

432 MwoI GCNN\_NNN^NNGC

433 HindIII A^AGCT\_T

435 \* MspJI CNNR(N)9^NNNN\_

435 \* FspEI CC(N)12^NNNN\_

435 CviKI-1 RG|CY

435 AluI AG|CT

437 Cac8I GCN|NGC

442 MspJI CNNR(N)9^NNNN\_

442 FspEI CC(N)12^NNNN\_

447 Hpy188I TC\_N^GA

448 MspJI CNNR(N)9^NNNN\_

452 MspJI CNNR(N)9^NNNN\_

453 MspJI CNNR(N)9^NNNN\_

453 FspEI CC(N)12^NNNN\_

454 \* MspJI CNNR(N)9^NNNN\_

458 \* MspJI CNNR(N)9^NNNN\_

461 FatI ^CATG\_

462 \* MspJI CNNR(N)9^NNNN\_

462 CviAII C^AT\_G

465 NlaIII \_CATG^

469 \* MspJI CNNR(N)9^NNNN\_

474 MspJI CNNR(N)9^NNNN\_

474 FspEI CC(N)12^NNNN\_

476 CviKI-1 RG|CY

476 AluI AG|CT

480 MluCI ^AATT\_

481 MspJI CNNR(N)9^NNNN\_

484 MspJI CNNR(N)9^NNNN\_

485 MspJI CNNR(N)9^NNNN\_

485 FspEI CC(N)12^NNNN\_

489 SfcI C^TRYA\_G

491 MspJI CNNR(N)9^NNNN\_

492 FspEI CC(N)12^NNNN\_

496 \* HinfI G^ANT\_C

499 FspEI CC(N)12^NNNN\_

499 LpnPI CCDG(N)10^NNNN\_

500 MspJI CNNR(N)9^NNNN\_

500 FspEI CC(N)12^NNNN\_

501 FspEI CC(N)12^NNNN\_

502 \* BceAI ACGGC(N)12^NN\_

504 PleI GAGTCNNNN^N\_

505 MlyI GAGTC(N)5|

507 MluCI ^AATT\_

511 BtsIMutI CAGTG\_NN^

512 \* MspJI CNNR(N)9^NNNN\_

515 \* FspEI CC(N)12^NNNN\_

515 \* EaeI Y^GGCC\_R

517 CviKI-1 RG|CY

517 HaeIII GG|CC

518 BsrI ACTG\_GN^

518 TspRI \_NNCASTGNN^

521 # MspJI CNNR(N)9^NNNN\_

523 \* Hpy99I \_CGWCG^

523 EcoP15I CAGCAG(N)25^NN\_

524 \* BtgZI GCGATG(N)10^NNNN\_

526 MspJI CNNR(N)9^NNNN\_

528 \* StyD4I ^CCNGG\_

529 FspEI CC(N)12^NNNN\_

529 LpnPI CCDG(N)10^NNNN\_

530 \* HpaII C^CG\_G

530 \* MspI C^CG\_G

530 \* ScrFI CC^N\_GG

530 \* NciI CC^S\_GG

531 \* FspEI CC(N)12^NNNN\_

532 BfuCI ^GATC\_

532 # DpnII ^GATC\_

532 # MboI ^GATC\_

532 Sau3AI ^GATC\_

532 BstYI R^GATC\_Y

534 DpnI GA|TC

537 BbvI GCAGC(N)8^NNNN\_

537 SfaNI GCATC(N)5^NNNN\_

537 \*# BsaBI GATNN|NNATC

538 HpyCH4V TG|CA

539 FspEI CC(N)12^NNNN\_

539 LpnPI CCDG(N)10^NNNN\_

540 # AlwI GGATCNNNN^N\_

541 \* MspJI CNNR(N)9^NNNN\_

542 MspJI CNNR(N)9^NNNN\_

542 FspEI CC(N)12^NNNN\_

543 \*# MspJI CNNR(N)9^NNNN\_

543 \* FspEI CC(N)12^NNNN\_

543 \* LpnPI CCDG(N)10^NNNN\_

547 SfaNI GCATC(N)5^NNNN\_

550 MspJI CNNR(N)9^NNNN\_

550 FspEI CC(N)12^NNNN\_

550 ApeKI G^CWG\_C

550 TseI G^CWG\_C

551 Fnu4HI GC^N\_GC

552 BtsCI GGATG\_NN^

554 \* MspJI CNNR(N)9^NNNN\_

555 Cac8I GCN|NGC

556 MspJI CNNR(N)9^NNNN\_

557 CviKI-1 RG|CY

559 FokI GGATG(N)9^NNNN\_

565 MspJI CNNR(N)9^NNNN\_

566 MspJI CNNR(N)9^NNNN\_

574 MspJI CNNR(N)9^NNNN\_

574 FspEI CC(N)12^NNNN\_

575 FspEI CC(N)12^NNNN\_

575 LpnPI CCDG(N)10^NNNN\_

581 FspEI CC(N)12^NNNN\_

581 LpnPI CCDG(N)10^NNNN\_

585 MspJI CNNR(N)9^NNNN\_

585 MseI T^TA\_A

586 FspEI CC(N)12^NNNN\_

593 \* HinP1I G^CG\_C

594 \* AfeI AGC|GCT

595 MspJI CNNR(N)9^NNNN\_

595 \* HhaI G\_CG^C

596 \* HaeII R\_GCGC^Y

597 \* Cac8I GCN|NGC

600 BspCNI CTCAG(N)7\_NN^

601 \* MspJI CNNR(N)9^NNNN\_

608 MspJI CNNR(N)9^NNNN\_

608 MspJI CNNR(N)9^NNNN\_

608 FspEI CC(N)12^NNNN\_

608 LpnPI CCDG(N)10^NNNN\_

608 DdeI C^TNA\_G

611 \* BsmFI GGGAC(N)10^NNNN\_

619 MspJI CNNR(N)9^NNNN\_

619 FspEI CC(N)12^NNNN\_

620 MspJI CNNR(N)9^NNNN\_

620 FspEI CC(N)12^NNNN\_

620 LpnPI CCDG(N)10^NNNN\_

621 FokI GGATG(N)9^NNNN\_

625 Sau96I G^GNC\_C

625 AvaII G^GWC\_C

627 \* NlaIV GGN|NCC

629 \* AciI C^CG\_C

632 \* AciI C^CG\_C

632 \* Fnu4HI GC^N\_GC

634 BtsCI GGATG\_NN^

635 MspJI CNNR(N)9^NNNN\_

636 \* FauI CCCGCNNNN^NN\_

640 \* MspJI CNNR(N)9^NNNN\_

641 FspEI CC(N)12^NNNN\_

642 \* FspEI CC(N)12^NNNN\_

643 \* AciI C^CG\_C

643 SfaNI GCATC(N)5^NNNN\_

645 \* MspJI CNNR(N)9^NNNN\_

645 \* FspEI CC(N)12^NNNN\_

646 BsrI ACTG\_GN^

651 MspJI CNNR(N)9^NNNN\_

651 FspEI CC(N)12^NNNN\_

654 Hpy166II GTN|NAC

656 \* FspEI CC(N)12^NNNN\_

658 MspJI CNNR(N)9^NNNN\_

659 FspEI CC(N)12^NNNN\_

659 LpnPI CCDG(N)10^NNNN\_

662 \* FspEI CC(N)12^NNNN\_

663 FspEI CC(N)12^NNNN\_

665 \* HpyCH4IV A^CG\_T

665 \* AclI AA^CG\_TT

668 MnlI CCTC(N)6\_N^

670 FspEI CC(N)12^NNNN\_

670 BsrI ACTG\_GN^

671 MspJI CNNR(N)9^NNNN\_

671 FspEI CC(N)12^NNNN\_

673 MspJI CNNR(N)9^NNNN\_

676 \* BslI CCNN\_NNN^NNGG

676 \* StyD4I ^CCNGG\_

677 \* HpaII C^CG\_G

677 \* MspI C^CG\_G

678 \* ScrFI CC^N\_GG

678 \* NciI CC^S\_GG

679 MspJI CNNR(N)9^NNNN\_

681 FatI ^CATG\_

682 MspJI CNNR(N)9^NNNN\_

682 CviAII C^AT\_G

683 FspEI CC(N)12^NNNN\_

683 LpnPI CCDG(N)10^NNNN\_

685 NlaIII \_CATG^

685 NspI R\_CATG^Y

689 MspJI CNNR(N)9^NNNN\_

690 \* MspJI CNNR(N)9^NNNN\_

690 \* FspEI CC(N)12^NNNN\_

690 \* LpnPI CCDG(N)10^NNNN\_

694 MspJI CNNR(N)9^NNNN\_

695 MspJI CNNR(N)9^NNNN\_

699 FokI GGATG(N)9^NNNN\_

707 \* Hpy188III TC^NN\_GA

712 \* MspJI CNNR(N)9^NNNN\_

712 BtsCI GGATG\_NN^

713 FspEI CC(N)12^NNNN\_

714 \* MspJI CNNR(N)9^NNNN\_

714 \* FspEI CC(N)12^NNNN\_

715 \* FspEI CC(N)12^NNNN\_

716 MspJI CNNR(N)9^NNNN\_

719 \* MspJI CNNR(N)9^NNNN\_

721 SfaNI GCATC(N)5^NNNN\_

726 MnlI CCTC(N)6\_N^

729 FspEI CC(N)12^NNNN\_

733 \* MspJI CNNR(N)9^NNNN\_

745 FatI ^CATG\_

746 CviAII C^AT\_G

749 NlaIII \_CATG^

753 \* FspEI CC(N)12^NNNN\_

755 FspEI CC(N)12^NNNN\_

756 MspJI CNNR(N)9^NNNN\_

756 FspEI CC(N)12^NNNN\_

756 FspEI CC(N)12^NNNN\_

757 FspEI CC(N)12^NNNN\_

758 MspJI CNNR(N)9^NNNN\_

758 FspEI CC(N)12^NNNN\_

763 MspJI CNNR(N)9^NNNN\_

764 MspJI CNNR(N)9^NNNN\_

764 MnlI CCTC(N)6\_N^

767 \* BslI CCNN\_NNN^NNGG

772 FspEI CC(N)12^NNNN\_

773 FspEI CC(N)12^NNNN\_

774 FspEI CC(N)12^NNNN\_

774 FspEI CC(N)12^NNNN\_

774 LpnPI CCDG(N)10^NNNN\_

775 MspJI CNNR(N)9^NNNN\_

775 FspEI CC(N)12^NNNN\_

779 \* MspJI CNNR(N)9^NNNN\_

779 Tsp45I ^GTSAC\_

781 \* MspJI CNNR(N)9^NNNN\_

783 SfaNI GCATC(N)5^NNNN\_

784 BtsIMutI CAGTG\_NN^

784 TspRI \_NNCASTGNN^

795 FspEI CC(N)12^NNNN\_

796 MspJI CNNR(N)9^NNNN\_

797 MspJI CNNR(N)9^NNNN\_

797 FspEI CC(N)12^NNNN\_

799 \* AciI C^CG\_C

801 MspJI CNNR(N)9^NNNN\_

805 MseI T^TA\_A

808 FatI ^CATG\_

809 MspJI CNNR(N)9^NNNN\_

809 CviAII C^AT\_G

809 BslI CCNN\_NNN^NNGG

812 \* FspEI CC(N)12^NNNN\_

812 NlaIII \_CATG^

812 \* Sau96I G^GNC\_C

813 CviKI-1 RG|CY

813 HaeIII GG|CC

815 FspEI CC(N)12^NNNN\_

815 \* AciI C^CG\_C

815 \* Cac8I GCN|NGC

816 MspJI CNNR(N)9^NNNN\_

816 FspEI CC(N)12^NNNN\_

821 MspJI CNNR(N)9^NNNN\_

822 \* FauI CCCGCNNNN^NN\_

825 Hpy188I TC\_N^GA

826 \* MspJI CNNR(N)9^NNNN\_

827 FspEI CC(N)12^NNNN\_

828 \* FspEI CC(N)12^NNNN\_

829 CviKI-1 RG|CY

831 MspJI CNNR(N)9^NNNN\_

831 FspEI CC(N)12^NNNN\_

831 LpnPI CCDG(N)10^NNNN\_

836 MspJI CNNR(N)9^NNNN\_

837 MseI T^TA\_A

842 MspJI CNNR(N)9^NNNN\_

843 MspJI CNNR(N)9^NNNN\_

843 FspEI CC(N)12^NNNN\_

843 LpnPI CCDG(N)10^NNNN\_

846 Hpy188III TC^NN\_GA

849 FspEI CC(N)12^NNNN\_

849 LpnPI CCDG(N)10^NNNN\_

855 \* FspEI CC(N)12^NNNN\_

858 MspJI CNNR(N)9^NNNN\_

863 CviKI-1 RG|CY

863 AluI AG|CT

864 FspEI CC(N)12^NNNN\_

864 LpnPI CCDG(N)10^NNNN\_

867 MspJI CNNR(N)9^NNNN\_

867 BpmI CTGGAG(N)14\_NN^

870 \* AciI C^CG\_C

870 \* BstUI CG|CG

872 \* MspJI CNNR(N)9^NNNN\_

875 MspJI CNNR(N)9^NNNN\_

876 MspJI CNNR(N)9^NNNN\_

876 \* HgaI GACGC(N)5^(N)5\_

877 MspJI CNNR(N)9^NNNN\_

878 BtsCI GGATG\_NN^

881 \* MspJI CNNR(N)9^NNNN\_

883 \* MspJI CNNR(N)9^NNNN\_

885 \* FokI GGATG(N)9^NNNN\_

891 MspJI CNNR(N)9^NNNN\_

894 \* HinfI G^ANT\_C

894 TfiI G^AWT\_C

895 MspJI CNNR(N)9^NNNN\_

898 XmnI GAANN|NNTTC

903 MspJI CNNR(N)9^NNNN\_

903 \* Hpy188III TC^NN\_GA

913 MslI CAYNN|NNRTG

915 \* MspJI CNNR(N)9^NNNN\_

917 \* BcgI \_NN^(N)10CGA(N)6TGC(N)10\_NN^

918 BbvI GCAGC(N)8^NNNN\_

920 CviKI-1 RG|CY

920 AluI AG|CT

921 \* MspJI CNNR(N)9^NNNN\_

921 FspEI CC(N)12^NNNN\_

925 MspJI CNNR(N)9^NNNN\_

926 \* AciI C^CG\_C

928 \* ApeKI G^CWG\_C

928 TseI G^CWG\_C

929 \* Fnu4HI GC^N\_GC

931 \* MspJI CNNR(N)9^NNNN\_

931 \* FspEI CC(N)12^NNNN\_

931 CviKI-1 RG|CY

931 AluI AG|CT

931 ApeKI G^CWG\_C

931 TseI G^CWG\_C

931 MspA1I CMG|CKG

931 PvuII CAG|CTG

932 MspJI CNNR(N)9^NNNN\_

932 Fnu4HI GC^N\_GC

939 \* MspJI CNNR(N)9^NNNN\_

939 \* FspEI CC(N)12^NNNN\_

939 \* HinP1I G^CG\_C

939 \* BstUI CG|CG

940 \* FspEI CC(N)12^NNNN\_

940 BbvI GCAGC(N)8^NNNN\_

941 \* HhaI G\_CG^C

941 \* BstUI CG|CG

945 MnlI CCTC(N)6\_N^

948 \* MspJI CNNR(N)9^NNNN\_

948 FspEI CC(N)12^NNNN\_

950 \* MspJI CNNR(N)9^NNNN\_

952 \* MspJI CNNR(N)9^NNNN\_

953 MspJI CNNR(N)9^NNNN\_

957 HpyCH4III AC\_N^GT

960 HphI GGTGA(N)7\_N^

969 \* FspEI CC(N)12^NNNN\_

969 Hpy188I TC\_N^GA

969 HphI GGTGA(N)7\_N^

973 FatI ^CATG\_

974 CviAII C^AT\_G

975 \* FspEI CC(N)12^NNNN\_

975 MnlI CCTC(N)6\_N^

977 NlaIII \_CATG^

977 HpyCH4V TG|CA

977 ApeKI G^CWG\_C

977 TseI G^CWG\_C

977 NspI R\_CATG^Y

978 FspEI CC(N)12^NNNN\_

978 Fnu4HI GC^N\_GC

980 MspJI CNNR(N)9^NNNN\_

980 CviKI-1 RG|CY

980 AluI AG|CT

981 BcoDI GTCTCN^NNNN\_

981 BsmAI GTCTCN^NNNN\_

981 \* BsmBI CGTCTCN^NNNN\_

982 \* StyD4I ^CCNGG\_

984 MspJI CNNR(N)9^NNNN\_

984 \* HpaII C^CG\_G

984 \* MspI C^CG\_G

984 \* ScrFI CC^N\_GG

984 \* NciI CC^S\_GG

986 MspJI CNNR(N)9^NNNN\_

989 BbvI GCAGC(N)8^NNNN\_

989 \* BslI CCNN\_NNN^NNGG

990 MspJI CNNR(N)9^NNNN\_

992 HpyCH4III AC\_N^GT

992 Tsp45I ^GTSAC\_

994 MspJI CNNR(N)9^NNNN\_

995 \* MspJI CNNR(N)9^NNNN\_

996 MspJI CNNR(N)9^NNNN\_

996 FspEI CC(N)12^NNNN\_

996 \* FspEI CC(N)12^NNNN\_

997 \* MspJI CNNR(N)9^NNNN\_

997 \* FspEI CC(N)12^NNNN\_

997 \* LpnPI CCDG(N)10^NNNN\_

999 CviKI-1 RG|CY

999 AluI AG|CT

1003 \* FspEI CC(N)12^NNNN\_

1004 FspEI CC(N)12^NNNN\_

1004 SfaNI GCATC(N)5^NNNN\_

1007 MspJI CNNR(N)9^NNNN\_

1011 \* AciI C^CG\_C

1012 MspJI CNNR(N)9^NNNN\_

1017 \* StyD4I ^CCNGG\_

1018 \* HpaII C^CG\_G

1018 \* MspI C^CG\_G

1019 \* ScrFI CC^N\_GG

1019 BtsCI GGATG\_NN^

1019 \* NciI CC^S\_GG

1023 MspJI CNNR(N)9^NNNN\_

1023 FspEI CC(N)12^NNNN\_

1023 LpnPI CCDG(N)10^NNNN\_

1024 \* MspJI CNNR(N)9^NNNN\_

1024 FspEI CC(N)12^NNNN\_

1026 \* FokI GGATG(N)9^NNNN\_

1030 MspJI CNNR(N)9^NNNN\_

1031 \* MspJI CNNR(N)9^NNNN\_

1031 \* FspEI CC(N)12^NNNN\_

1031 \* LpnPI CCDG(N)10^NNNN\_

1032 CviKI-1 RG|CY

1033 MspJI CNNR(N)9^NNNN\_

1033 \* HgaI GACGC(N)5^(N)5\_

1033 DrdI GACNN\_NN^NNGTC

1035 \* FspEI CC(N)12^NNNN\_

1036 FspEI CC(N)12^NNNN\_

1037 MspJI CNNR(N)9^NNNN\_

1041 MspJI CNNR(N)9^NNNN\_

1042 FspEI CC(N)12^NNNN\_

1042 \* HinP1I G^CG\_C

1043 MspJI CNNR(N)9^NNNN\_

1043 \* FauI CCCGCNNNN^NN\_

1044 \* HhaI G\_CG^C

1044 \* BstUI CG|CG

1045 \* MspJI CNNR(N)9^NNNN\_

1045 \* FspEI CC(N)12^NNNN\_

1046 FspEI CC(N)12^NNNN\_

1046 FspEI CC(N)12^NNNN\_

1047 \* FspEI CC(N)12^NNNN\_

1050 MspJI CNNR(N)9^NNNN\_

1050 \* AciI C^CG\_C

1050 \* MspA1I CMG|CKG

1052 \* FspEI CC(N)12^NNNN\_

1053 MspJI CNNR(N)9^NNNN\_

1053 FspEI CC(N)12^NNNN\_

1053 \* FauI CCCGCNNNN^NN\_

1054 FspEI CC(N)12^NNNN\_

1055 \* MspJI CNNR(N)9^NNNN\_

1060 \* AciI C^CG\_C

1063 \* MspJI CNNR(N)9^NNNN\_

1072 \* HinP1I G^CG\_C

1073 \* MspJI CNNR(N)9^NNNN\_

1074 \* HhaI G\_CG^C

1074 \* ApeKI G^CWG\_C

1074 TseI G^CWG\_C

1075 \* Fnu4HI GC^N\_GC

1077 CviKI-1 RG|CY

1078 FatI ^CATG\_

1079 CviAII C^AT\_G

1079 BmrI ACTGGGNNNN\_N^

1080 \* MspJI CNNR(N)9^NNNN\_

1082 NlaIII \_CATG^

1085 \* MspJI CNNR(N)9^NNNN\_

1085 BsrI ACTG\_GN^

1085 PflFI GACN^N\_NGTC

1085 Tth111I GACN^N\_NGTC

1086 BbvI GCAGC(N)8^NNNN\_

1087 \* FspEI CC(N)12^NNNN\_

1087 Tsp45I ^GTSAC\_

1091 MspJI CNNR(N)9^NNNN\_

1091 FspEI CC(N)12^NNNN\_

1091 \* HpyCH4IV A^CG\_T

1092 \* BsaAI YAC|GTR

1096 MspJI CNNR(N)9^NNNN\_

1097 MspJI CNNR(N)9^NNNN\_

1097 FspEI CC(N)12^NNNN\_

1098 FspEI CC(N)12^NNNN\_

1098 LpnPI CCDG(N)10^NNNN\_

1099 FspEI CC(N)12^NNNN\_

1099 LpnPI CCDG(N)10^NNNN\_

1102 \* MspJI CNNR(N)9^NNNN\_

1102 \* AciI C^CG\_C

1104 \* MspJI CNNR(N)9^NNNN\_

1110 MspJI CNNR(N)9^NNNN\_

1110 AccI GT^MK\_AC

1111 Hpy166II GTN|NAC

1111 BstZ17I GTA|TAC

1112 \* MspJI CNNR(N)9^NNNN\_

1112 \* FspEI CC(N)12^NNNN\_

1115 \* MspJI CNNR(N)9^NNNN\_

1117 CviKI-1 RG|CY

1118 BsrI ACTG\_GN^

1119 MspJI CNNR(N)9^NNNN\_

1119 MseI T^TA\_A

1126 MspJI CNNR(N)9^NNNN\_

1127 \* AciI C^CG\_C

1128 \* Fnu4HI GC^N\_GC

1130 MspJI CNNR(N)9^NNNN\_

1135 MspJI CNNR(N)9^NNNN\_

1135 Hpy188I TC\_N^GA

1139 SfaNI GCATC(N)5^NNNN\_

1140 BspCNI CTCAG(N)7\_NN^

1145 CviQI G^TA\_C

1146 MspJI CNNR(N)9^NNNN\_

1146 RsaI GT|AC

1148 MspJI CNNR(N)9^NNNN\_

1148 DdeI C^TNA\_G

1150 \* MspJI CNNR(N)9^NNNN\_

1150 \* FspEI CC(N)12^NNNN\_

1151 MspJI CNNR(N)9^NNNN\_

1154 ApaLI G^TGCA\_C

1155 MspJI CNNR(N)9^NNNN\_

1156 HpyCH4V TG|CA

1156 Hpy166II GTN|NAC

1158 Bsp1286I G\_DGCH^C

1158 BsiHKAI G\_WGCW^C

1158 BaeGI G\_KGCM^C

1160 MspJI CNNR(N)9^NNNN\_

1161 NdeI CA^TA\_TG

1162 MwoI GCNN\_NNN^NNGC

1162 BstAPI GCAN\_NNN^NTGC

1165 \* AciI C^CG\_C

1172 MspJI CNNR(N)9^NNNN\_

1172 FspEI CC(N)12^NNNN\_

1173 \* MspJI CNNR(N)9^NNNN\_

1175 SfaNI GCATC(N)5^NNNN\_

1177 MspJI CNNR(N)9^NNNN\_

1177 FspEI CC(N)12^NNNN\_

1178 \* AciI C^CG\_C

1191 \* MspJI CNNR(N)9^NNNN\_

1191 \* FspEI CC(N)12^NNNN\_

1193 MspJI CNNR(N)9^NNNN\_

1195 MspJI CNNR(N)9^NNNN\_

1195 MspJI CNNR(N)9^NNNN\_

1195 FspEI CC(N)12^NNNN\_

1195 LpnPI CCDG(N)10^NNNN\_

1201 \* MspJI CNNR(N)9^NNNN\_

1204 \* AciI C^CG\_C

1206 \* MspJI CNNR(N)9^NNNN\_

1209 MboII GAAGA(N)7\_N^

1212 \* MwoI GCNN\_NNN^NNGC

1213 \* HinP1I G^CG\_C

1215 \* HhaI G\_CG^C

1215 SfaNI GCATC(N)5^NNNN\_

1216 \* HaeII R\_GCGC^Y

1217 \* MspJI CNNR(N)9^NNNN\_

1217 \* FspEI CC(N)12^NNNN\_

1221 \* AciI C^CG\_C

1222 MspJI CNNR(N)9^NNNN\_

1222 EarI CTCTTCN^NNN\_

1222 BspQI GCTCTTCN^NNN\_

1222 SapI GCTCTTCN^NNN\_

1230 BbvI GCAGC(N)8^NNNN\_

1231 \* MspJI CNNR(N)9^NNNN\_

1232 MlyI GAGTC(N)5|

1232 PleI GAGTCNNNN^N\_

1233 BtsIMutI CAGTG\_NN^

1234 \* FspEI CC(N)12^NNNN\_

1235 \* FspEI CC(N)12^NNNN\_

1236 MspJI CNNR(N)9^NNNN\_

1237 MnlI CCTC(N)6\_N^

1238 \* HinfI G^ANT\_C

1240 \* MspJI CNNR(N)9^NNNN\_

1240 FspEI CC(N)12^NNNN\_

1240 TspRI \_NNCASTGNN^

1243 \* MspJI CNNR(N)9^NNNN\_

1243 \* FspEI CC(N)12^NNNN\_

1243 \* ApeKI G^CWG\_C

1243 \* TseI G^CWG\_C

1244 MspJI CNNR(N)9^NNNN\_

1244 MspJI CNNR(N)9^NNNN\_

1244 \* Fnu4HI GC^N\_GC

1246 \* HinP1I G^CG\_C

1248 MspJI CNNR(N)9^NNNN\_

1248 \* HhaI G\_CG^C

1248 BbvI GCAGC(N)8^NNNN\_

1249 \* MspJI CNNR(N)9^NNNN\_

1249 \* FspEI CC(N)12^NNNN\_

1252 \* MspJI CNNR(N)9^NNNN\_

1254 \* BsiEI CG\_RY^CG

1256 \* FspEI CC(N)12^NNNN\_

1261 \* MspJI CNNR(N)9^NNNN\_

1261 CviKI-1 RG|CY

1261 \* ApeKI G^CWG\_C

1261 TseI G^CWG\_C

1262 \* Fnu4HI GC^N\_GC

1263 MspJI CNNR(N)9^NNNN\_

1264 \* AciI C^CG\_C

1265 \* Fnu4HI GC^N\_GC

1269 \* Cac8I GCN|NGC

1271 \* AciI C^CG\_C

1271 \* BsrBI CCG|CTC

1274 FspEI CC(N)12^NNNN\_

1277 \* FspEI CC(N)12^NNNN\_

1277 MwoI GCNN\_NNN^NNGC

1280 \* MspJI CNNR(N)9^NNNN\_

1280 CviKI-1 RG|CY

1280 AluI AG|CT

1285 \* MspJI CNNR(N)9^NNNN\_

1285 \* FspEI CC(N)12^NNNN\_

1292 \* AciI C^CG\_C

1293 MspJI CNNR(N)9^NNNN\_

1297 MspJI CNNR(N)9^NNNN\_

1299 MspJI CNNR(N)9^NNNN\_

1302 MspJI CNNR(N)9^NNNN\_

1302 FspEI CC(N)12^NNNN\_

1302 LpnPI CCDG(N)10^NNNN\_

1302 HpyCH4III AC\_N^GT

1303 FspEI CC(N)12^NNNN\_

1304 FspEI CC(N)12^NNNN\_

1313 HinfI G^ANT\_C

1313 TfiI G^AWT\_C

1314 FspEI CC(N)12^NNNN\_

1314 LpnPI CCDG(N)10^NNNN\_

1321 MspJI CNNR(N)9^NNNN\_

1321 FspEI CC(N)12^NNNN\_

1323 MspJI CNNR(N)9^NNNN\_

1327 MspJI CNNR(N)9^NNNN\_

1329 MspJI CNNR(N)9^NNNN\_

1329 MspJI CNNR(N)9^NNNN\_

1335 FspEI CC(N)12^NNNN\_

1338 FatI ^CATG\_

1338 AflIII A^CRYG\_T

1338 PciI A^CATG\_T

1339 \* MspJI CNNR(N)9^NNNN\_

1339 CviAII C^AT\_G

1341 MspJI CNNR(N)9^NNNN\_

1342 NlaIII \_CATG^

1342 NspI R\_CATG^Y

1346 FspEI CC(N)12^NNNN\_

1351 MspJI CNNR(N)9^NNNN\_

1351 # FspEI CC(N)12^NNNN\_

1351 # LpnPI CCDG(N)10^NNNN\_

1353 CviKI-1 RG|CY

1353 HaeIII GG|CC

1355 Cac8I GCN|NGC

1359 MspJI CNNR(N)9^NNNN\_

1360 BslI CCNN\_NNN^NNGG

1364 FspEI CC(N)12^NNNN\_

1364 CviKI-1 RG|CY

1364 HaeIII GG|CC

1364 # StyD4I ^CCNGG\_

1364 # PspGI ^CCWGG\_

1366 MspJI CNNR(N)9^NNNN\_

1366 # ScrFI CC^N\_GG

1366 BstNI CC^W\_GG

1367 FspEI CC(N)12^NNNN\_

1367 LpnPI CCDG(N)10^NNNN\_

1370 MspJI CNNR(N)9^NNNN\_

1370 \*# NlaIV GGN|NCC

1373 HpyCH4III AC\_N^GT

1376 FspEI CC(N)12^NNNN\_

1376 LpnPI CCDG(N)10^NNNN\_

1377 # MspJI CNNR(N)9^NNNN\_

1378 # MspJI CNNR(N)9^NNNN\_

1378 # FspEI CC(N)12^NNNN\_

1378 # LpnPI CCDG(N)10^NNNN\_

1378 \* BslI CCNN\_NNN^NNGG

1382 CviKI-1 RG|CY

1382 HaeIII GG|CC

1383 \* AciI C^CG\_C

1383 \* Fnu4HI GC^N\_GC

1385 \* MspJI CNNR(N)9^NNNN\_

1385 \* FspEI CC(N)12^NNNN\_

1385 \* BstUI CG|CG

1390 FspEI CC(N)12^NNNN\_

1391 MspJI CNNR(N)9^NNNN\_

1391 \* MwoI GCNN\_NNN^NNGC

1392 \* Cac8I GCN|NGC

1396 \* MspJI CNNR(N)9^NNNN\_

1396 \* MspJI CNNR(N)9^NNNN\_

1396 \* FspEI CC(N)12^NNNN\_

1400 \* EciI GGCGGA(N)9\_NN^

1403 MspJI CNNR(N)9^NNNN\_

1408 CviKI-1 RG|CY

1409 \* NlaIV GGN|NCC

1411 \* AciI C^CG\_C

1415 MspJI CNNR(N)9^NNNN\_

1415 FspEI CC(N)12^NNNN\_

1424 \* FspEI CC(N)12^NNNN\_

1427 FspEI CC(N)12^NNNN\_

1428 FspEI CC(N)12^NNNN\_

1429 FspEI CC(N)12^NNNN\_

1429 BpuEI CTTGAG(N)14\_NN^

1430 MspJI CNNR(N)9^NNNN\_

1430 FspEI CC(N)12^NNNN\_

1431 MspJI CNNR(N)9^NNNN\_

1431 FspEI CC(N)12^NNNN\_

1431 LpnPI CCDG(N)10^NNNN\_

1435 \* MspJI CNNR(N)9^NNNN\_

1435 SfaNI GCATC(N)5^NNNN\_

1436 MspJI CNNR(N)9^NNNN\_

1438 FspEI CC(N)12^NNNN\_

1438 TaqI T^CG\_A

1441 FspEI CC(N)12^NNNN\_

1442 MspJI CNNR(N)9^NNNN\_

1443 \* Hpy99I \_CGWCG^

1444 MspJI CNNR(N)9^NNNN\_

1444 SmlI C^TYRA\_G

1446 MnlI CCTC(N)6\_N^

1446 \* DrdI GACNN\_NN^NNGTC

1449 \* HgaI GACGC(N)5^(N)5\_

1452 Hpy188I TC\_N^GA

1455 FspEI CC(N)12^NNNN\_

1455 LpnPI CCDG(N)10^NNNN\_

1456 MspJI CNNR(N)9^NNNN\_

1458 MspJI CNNR(N)9^NNNN\_

1463 MspJI CNNR(N)9^NNNN\_

1472 \* MspJI CNNR(N)9^NNNN\_

1472 # FspEI CC(N)12^NNNN\_

1472 # LpnPI CCDG(N)10^NNNN\_

1477 \* MspJI CNNR(N)9^NNNN\_

1478 MspJI CNNR(N)9^NNNN\_

1478 FspEI CC(N)12^NNNN\_

1479 \* FspEI CC(N)12^NNNN\_

1482 MspJI CNNR(N)9^NNNN\_

1485 # FspEI CC(N)12^NNNN\_

1485 # LpnPI CCDG(N)10^NNNN\_

1485 # StyD4I ^CCNGG\_

1485 # PspGI ^CCWGG\_

1487 # ScrFI CC^N\_GG

1487 BstNI CC^W\_GG

1498 # MspJI CNNR(N)9^NNNN\_

1498 # StyD4I ^CCNGG\_

1498 BsaJI C^CNNG\_G

1498 # PspGI ^CCWGG\_

1499 # MspJI CNNR(N)9^NNNN\_

1499 # FspEI CC(N)12^NNNN\_

1499 # LpnPI CCDG(N)10^NNNN\_

1500 # ScrFI CC^N\_GG

1500 BstNI CC^W\_GG

1501 \* MspJI CNNR(N)9^NNNN\_

1506 CviKI-1 RG|CY

1506 AluI AG|CT

1509 FspEI CC(N)12^NNNN\_

1510 FspEI CC(N)12^NNNN\_

1511 # MspJI CNNR(N)9^NNNN\_

1511 FspEI CC(N)12^NNNN\_

1511 BssSI C^ACGA\_G

1512 # MspJI CNNR(N)9^NNNN\_

1512 # FspEI CC(N)12^NNNN\_

1512 # LpnPI CCDG(N)10^NNNN\_

1514 \* MspJI CNNR(N)9^NNNN\_

1516 \* HinP1I G^CG\_C

1518 \* HhaI G\_CG^C

1520 MnlI CCTC(N)6\_N^

1522 FspEI CC(N)12^NNNN\_

1523 \* MspJI CNNR(N)9^NNNN\_

1523 FspEI CC(N)12^NNNN\_

1525 \* MspJI CNNR(N)9^NNNN\_

1530 \* FspEI CC(N)12^NNNN\_

1530 Hpy188I TC\_N^GA

1535 MspJI CNNR(N)9^NNNN\_

1536 FspEI CC(N)12^NNNN\_

1536 LpnPI CCDG(N)10^NNNN\_

1538 \* AciI C^CG\_C

1538 \* Fnu4HI GC^N\_GC

1541 MspJI CNNR(N)9^NNNN\_

1541 BciVI GTATCC(N)5\_N^

1542 \* MspJI CNNR(N)9^NNNN\_

1542 \* FspEI CC(N)12^NNNN\_

1544 \* BslI CCNN\_NNN^NNGG

1544 BsaWI W^CCGG\_W

1545 \* HpaII C^CG\_G

1545 \* MspI C^CG\_G

1546 MspJI CNNR(N)9^NNNN\_

1546 FspEI CC(N)12^NNNN\_

1546 \* EciI GGCGGA(N)9\_NN^

1547 FspEI CC(N)12^NNNN\_

1547 LpnPI CCDG(N)10^NNNN\_

1551 \* FspEI CC(N)12^NNNN\_

1553 MspJI CNNR(N)9^NNNN\_

1553 MmeI TCCRAC(N)18\_NN^

1556 \* MspJI CNNR(N)9^NNNN\_

1556 \* FspEI CC(N)12^NNNN\_

1557 MspJI CNNR(N)9^NNNN\_

1557 MspJI CNNR(N)9^NNNN\_

1557 FspEI CC(N)12^NNNN\_

1557 \* AciI C^CG\_C

1558 \* MspJI CNNR(N)9^NNNN\_

1558 \* FspEI CC(N)12^NNNN\_

1558 \* LpnPI CCDG(N)10^NNNN\_

1564 MspJI CNNR(N)9^NNNN\_

1565 FspEI CC(N)12^NNNN\_

1565 FspEI CC(N)12^NNNN\_

1565 LpnPI CCDG(N)10^NNNN\_

1570 \* FspEI CC(N)12^NNNN\_

1572 \* Hpy188III TC^NN\_GA

1573 FspEI CC(N)12^NNNN\_

1578 \* HpyAV CCTTC(N)5\_N^

1580 FspEI CC(N)12^NNNN\_

1581 FspEI CC(N)12^NNNN\_

1583 \* HinP1I G^CG\_C

1584 \* MspJI CNNR(N)9^NNNN\_

1585 \* HhaI G\_CG^C

1586 \* HaeII R\_GCGC^Y

1591 \* MspJI CNNR(N)9^NNNN\_

1591 FspEI CC(N)12^NNNN\_

1592 MspJI CNNR(N)9^NNNN\_

1596 CviKI-1 RG|CY

1596 AluI AG|CT

1600 MspJI CNNR(N)9^NNNN\_

1602 MspJI CNNR(N)9^NNNN\_

1603 SfcI C^TRYA\_G

1604 MspJI CNNR(N)9^NNNN\_

1604 \* MspJI CNNR(N)9^NNNN\_

1604 \* FspEI CC(N)12^NNNN\_

1605 MspJI CNNR(N)9^NNNN\_

1609 MspJI CNNR(N)9^NNNN\_

1610 FspEI CC(N)12^NNNN\_

1611 \* MspJI CNNR(N)9^NNNN\_

1611 MspJI CNNR(N)9^NNNN\_

1613 DdeI C^TNA\_G

1618 \* MspJI CNNR(N)9^NNNN\_

1625 MspJI CNNR(N)9^NNNN\_

1626 BspCNI CTCAG(N)7\_NN^

1628 FspEI CC(N)12^NNNN\_

1628 LpnPI CCDG(N)10^NNNN\_

1629 FspEI CC(N)12^NNNN\_

1630 MspJI CNNR(N)9^NNNN\_

1635 MspJI CNNR(N)9^NNNN\_

1637 MspJI CNNR(N)9^NNNN\_

1642 CviKI-1 RG|CY

1642 AluI AG|CT

1642 BseYI C^CCAG\_C

1647 CviKI-1 RG|CY

1650 MspJI CNNR(N)9^NNNN\_

1651 MspJI CNNR(N)9^NNNN\_

1651 FspEI CC(N)12^NNNN\_

1652 \* ApaLI G^TGCA\_C

1654 HpyCH4V TG|CA

1654 \* Hpy166II GTN|NAC

1655 MspJI CNNR(N)9^NNNN\_

1655 MspJI CNNR(N)9^NNNN\_

1656 Bsp1286I G\_DGCH^C

1656 BsiHKAI G\_WGCW^C

1656 BaeGI G\_KGCM^C

1667 \* MspJI CNNR(N)9^NNNN\_

1667 BbvI GCAGC(N)8^NNNN\_

1668 \* MspJI CNNR(N)9^NNNN\_

1669 \* MspJI CNNR(N)9^NNNN\_

1672 CviKI-1 RG|CY

1674 FspEI CC(N)12^NNNN\_

1675 FspEI CC(N)12^NNNN\_

1676 \* MspJI CNNR(N)9^NNNN\_

1676 FspEI CC(N)12^NNNN\_

1677 \* MspJI CNNR(N)9^NNNN\_

1677 FspEI CC(N)12^NNNN\_

1677 \* FspEI CC(N)12^NNNN\_

1678 \* FspEI CC(N)12^NNNN\_

1678 \* AciI C^CG\_C

1678 \* BsiEI CG\_RY^CG

1680 \* ApeKI G^CWG\_C

1680 \* TseI G^CWG\_C

1680 \* MspA1I CMG|CKG

1681 \* Fnu4HI GC^N\_GC

1683 \* HinP1I G^CG\_C

1685 \* MspJI CNNR(N)9^NNNN\_

1685 \* HhaI G\_CG^C

1686 MspJI CNNR(N)9^NNNN\_

1686 FspEI CC(N)12^NNNN\_

1687 \* FspEI CC(N)12^NNNN\_

1691 \* FspEI CC(N)12^NNNN\_

1691 BsaWI W^CCGG\_W

1692 \* HpaII C^CG\_G

1692 \* MspI C^CG\_G

1694 MspJI CNNR(N)9^NNNN\_

1699 MspJI CNNR(N)9^NNNN\_

1699 FspEI CC(N)12^NNNN\_

1703 \* FspEI CC(N)12^NNNN\_

1704 MspJI CNNR(N)9^NNNN\_

1705 \* FspEI CC(N)12^NNNN\_

1705 \* LpnPI CCDG(N)10^NNNN\_

1706 Hpy188III TC^NN\_GA

1706 SmlI C^TYRA\_G

1708 MspJI CNNR(N)9^NNNN\_

1709 HinfI G^ANT\_C

1716 \* StyD4I ^CCNGG\_

1717 PleI GAGTCNNNN^N\_

1718 MspJI CNNR(N)9^NNNN\_

1718 \* HpaII C^CG\_G

1718 \* MspI C^CG\_G

1718 \* ScrFI CC^N\_GG

1718 \* NciI CC^S\_GG

1718 MlyI GAGTC(N)5|

1725 MspJI CNNR(N)9^NNNN\_

1726 FspEI CC(N)12^NNNN\_

1727 FspEI CC(N)12^NNNN\_

1727 LpnPI CCDG(N)10^NNNN\_

1727 BpuEI CTTGAG(N)14\_NN^

1729 \* MspJI CNNR(N)9^NNNN\_

1730 MspJI CNNR(N)9^NNNN\_

1730 FspEI CC(N)12^NNNN\_

1731 \* FspEI CC(N)12^NNNN\_

1731 \* LpnPI CCDG(N)10^NNNN\_

1737 MmeI TCCRAC(N)18\_NN^

1739 \* MspJI CNNR(N)9^NNNN\_

1739 BtsIMutI CAGTG\_NN^

1740 FspEI CC(N)12^NNNN\_

1740 LpnPI CCDG(N)10^NNNN\_

1744 MspJI CNNR(N)9^NNNN\_

1745 ApeKI G^CWG\_C

1745 TseI G^CWG\_C

1746 Fnu4HI GC^N\_GC

1746 BsrI ACTG\_GN^

1746 TspRI \_NNCASTGNN^

1747 FspEI CC(N)12^NNNN\_

1747 LpnPI CCDG(N)10^NNNN\_

1748 ApeKI G^CWG\_C

1748 TseI G^CWG\_C

1749 Fnu4HI GC^N\_GC

1751 CviKI-1 RG|CY

1752 FspEI CC(N)12^NNNN\_

1752 BtsIMutI CAGTG\_NN^

1753 MspJI CNNR(N)9^NNNN\_

1754 MspJI CNNR(N)9^NNNN\_

1754 AlwNI CAG\_NNN^CTG

1757 BbvI GCAGC(N)8^NNNN\_

1759 BsrI ACTG\_GN^

1759 TspRI \_NNCASTGNN^

1760 BbvI GCAGC(N)8^NNNN\_

1762 FspEI CC(N)12^NNNN\_

1765 FspEI CC(N)12^NNNN\_

1767 MspJI CNNR(N)9^NNNN\_

1767 MspJI CNNR(N)9^NNNN\_

1770 FspEI CC(N)12^NNNN\_

1770 MnlI CCTC(N)6\_N^

1771 MspJI CNNR(N)9^NNNN\_

1773 \* FspEI CC(N)12^NNNN\_

1774 MspJI CNNR(N)9^NNNN\_

1776 EcoP15I CAGCAG(N)25^NN\_

1783 MspJI CNNR(N)9^NNNN\_

1788 \* MspJI CNNR(N)9^NNNN\_

1788 \* AciI C^CG\_C

1794 SfcI C^TRYA\_G

1795 FspEI CC(N)12^NNNN\_

1798 FspEI CC(N)12^NNNN\_

1804 Hpy188III TC^NN\_GA

1809 MspJI CNNR(N)9^NNNN\_

1809 \* MspJI CNNR(N)9^NNNN\_

1809 \* FspEI CC(N)12^NNNN\_

1816 MspJI CNNR(N)9^NNNN\_

1816 CviKI-1 RG|CY

1816 HaeIII GG|CC

1822 FspEI CC(N)12^NNNN\_

1823 \* BslI CCNN\_NNN^NNGG

1827 CviKI-1 RG|CY

1829 MspJI CNNR(N)9^NNNN\_

1830 MspJI CNNR(N)9^NNNN\_

1830 FspEI CC(N)12^NNNN\_

1830 HpyAV CCTTC(N)5\_N^

1833 MspJI CNNR(N)9^NNNN\_

1833 FspEI CC(N)12^NNNN\_

1833 BfaI C^TA\_G

1834 MspJI CNNR(N)9^NNNN\_

1834 EcoP15I CAGCAG(N)25^NN\_

1840 MspJI CNNR(N)9^NNNN\_

1840 \* BceAI ACGGC(N)12^NN\_

1842 \* MspJI CNNR(N)9^NNNN\_

1843 HpyCH4III AC\_N^GT

1845 MspJI CNNR(N)9^NNNN\_

1847 MspJI CNNR(N)9^NNNN\_

1857 \* HinP1I G^CG\_C

1859 \* HhaI G\_CG^C

1866 \* MspJI CNNR(N)9^NNNN\_

1866 \* FspEI CC(N)12^NNNN\_

1867 MspJI CNNR(N)9^NNNN\_

1870 CviKI-1 RG|CY

1871 BsrI ACTG\_GN^

1877 MspJI CNNR(N)9^NNNN\_

1878 FspEI CC(N)12^NNNN\_

1879 MspJI CNNR(N)9^NNNN\_

1883 MspJI CNNR(N)9^NNNN\_

1883 Hpy188I TC\_N^GA

1884 FspEI CC(N)12^NNNN\_

1884 LpnPI CCDG(N)10^NNNN\_

1886 AcuI CTGAAG(N)14\_NN^

1888 \* HpyAV CCTTC(N)5\_N^

1891 FspEI CC(N)12^NNNN\_

1893 \*# MspJI CNNR(N)9^NNNN\_

1893 \* FspEI CC(N)12^NNNN\_

1894 \* MspJI CNNR(N)9^NNNN\_

1899 CviKI-1 RG|CY

1899 AluI AG|CT

1899 # AlwI GGATCNNNN^N\_

1902 # Hpy188III TC^NN\_GA

1904 BfuCI ^GATC\_

1904 # DpnII ^GATC\_

1904 # MboI ^GATC\_

1904 Sau3AI ^GATC\_

1906 DpnI GA|TC

1908 \* HpaII C^CG\_G

1908 \* MspI C^CG\_G

1911 FspEI CC(N)12^NNNN\_

1911 LpnPI CCDG(N)10^NNNN\_

1914 MspJI CNNR(N)9^NNNN\_

1917 \* FspEI CC(N)12^NNNN\_

1920 MspJI CNNR(N)9^NNNN\_

1920 FspEI CC(N)12^NNNN\_

1921 \* FspEI CC(N)12^NNNN\_

1921 \* LpnPI CCDG(N)10^NNNN\_

1923 \* AciI C^CG\_C

1924 MspJI CNNR(N)9^NNNN\_

1925 \* MspA1I CMG|CKG

1928 MspJI CNNR(N)9^NNNN\_

1929 MspJI CNNR(N)9^NNNN\_

1932 \* AciI C^CG\_C

1933 MspJI CNNR(N)9^NNNN\_

1933 FspEI CC(N)12^NNNN\_

1936 \* FspEI CC(N)12^NNNN\_

1938 MspJI CNNR(N)9^NNNN\_

1949 \* MspJI CNNR(N)9^NNNN\_

1950 HpyCH4V TG|CA

1952 Cac8I GCN|NGC

1954 ApeKI G^CWG\_C

1954 TseI G^CWG\_C

1955 Fnu4HI GC^N\_GC

1962 FspEI CC(N)12^NNNN\_

1963 MspJI CNNR(N)9^NNNN\_

1963 \* MwoI GCNN\_NNN^NNGC

1966 \* HinP1I G^CG\_C

1966 BbvI GCAGC(N)8^NNNN\_

1966 \* BstUI CG|CG

1968 \* HhaI G\_CG^C

1968 BpuEI CTTGAG(N)14\_NN^

1970 MspJI CNNR(N)9^NNNN\_

1977 \* MspJI CNNR(N)9^NNNN\_

1979 \* MspJI CNNR(N)9^NNNN\_

1979 BfuCI ^GATC\_

1979 # DpnII ^GATC\_

1979 # MboI ^GATC\_

1979 Sau3AI ^GATC\_

1979 BstYI R^GATC\_Y

1981 MspJI CNNR(N)9^NNNN\_

1981 DpnI GA|TC

1982 MspJI CNNR(N)9^NNNN\_

1983 SmlI C^TYRA\_G

1985 Hpy188III TC^NN\_GA

1985 # AlwI GGATCNNNN^N\_

1985 EcoP15I CAGCAG(N)25^NN\_

1987 # AlwI GGATCNNNN^N\_

1990 BfuCI ^GATC\_

1990 # DpnII ^GATC\_

1990 # MboI ^GATC\_

1990 Sau3AI ^GATC\_

1990 BstYI R^GATC\_Y

1992 DpnI GA|TC

1994 \* MspJI CNNR(N)9^NNNN\_

1994 \* FspEI CC(N)12^NNNN\_

1995 MspJI CNNR(N)9^NNNN\_

1995 FspEI CC(N)12^NNNN\_

1996 FspEI CC(N)12^NNNN\_

1997 MspJI CNNR(N)9^NNNN\_

1998 BfuCI ^GATC\_

1998 # DpnII ^GATC\_

1998 # MboI ^GATC\_

1998 Sau3AI ^GATC\_

2000 DpnI GA|TC

2000 # MboII GAAGA(N)7\_N^

2001 MspJI CNNR(N)9^NNNN\_

2007 FspEI CC(N)12^NNNN\_

2009 MspJI CNNR(N)9^NNNN\_

2011 FspEI CC(N)12^NNNN\_

2017 Hpy188I TC\_N^GA

2022 \* MspJI CNNR(N)9^NNNN\_

2022 DdeI C^TNA\_G

2027 \* HgaI GACGC(N)5^(N)5\_

2028 MspJI CNNR(N)9^NNNN\_

2030 BtsIMutI CAGTG\_NN^

2030 TspRI \_NNCASTGNN^

2031 MspJI CNNR(N)9^NNNN\_

2031 FspEI CC(N)12^NNNN\_

2032 FspEI CC(N)12^NNNN\_

2034 MspJI CNNR(N)9^NNNN\_

2035 BspCNI CTCAG(N)7\_NN^

2039 MspJI CNNR(N)9^NNNN\_

2039 FspEI CC(N)12^NNNN\_

2040 MspJI CNNR(N)9^NNNN\_

2041 \* HpyCH4IV A^CG\_T

2044 \* MspJI CNNR(N)9^NNNN\_

2044 MseI T^TA\_A

2047 MspJI CNNR(N)9^NNNN\_

2050 MspJI CNNR(N)9^NNNN\_

2052 \* MspJI CNNR(N)9^NNNN\_

2058 FatI ^CATG\_

2058 BspHI T^CATG\_A

2059 FspEI CC(N)12^NNNN\_

2059 CviAII C^AT\_G

2059 Hpy188III TC^NN\_GA

2062 NlaIII \_CATG^

2071 MspJI CNNR(N)9^NNNN\_

2071 # MboII GAAGA(N)7\_N^

2074 HphI GGTGA(N)7\_N^

2076 BfuCI ^GATC\_

2076 # DpnII ^GATC\_

2076 # MboI ^GATC\_

2076 Sau3AI ^GATC\_

2076 BstYI R^GATC\_Y

2078 DpnI GA|TC

2082 MspJI CNNR(N)9^NNNN\_

2083 # AlwI GGATCNNNN^N\_

2084 # AlwI GGATCNNNN^N\_

2086 BfaI C^TA\_G

2088 BfuCI ^GATC\_

2088 # DpnII ^GATC\_

2088 # MboI ^GATC\_

2088 Sau3AI ^GATC\_

2088 BstYI R^GATC\_Y

2090 DpnI GA|TC

2096 MseI T^TA\_A

2097 MspJI CNNR(N)9^NNNN\_

2097 DraI TTT|AAA

2098 MspJI CNNR(N)9^NNNN\_

2098 FspEI CC(N)12^NNNN\_

2098 MluCI ^AATT\_

2101 MseI T^TA\_A

2105 FspEI CC(N)12^NNNN\_

2115 MseI T^TA\_A

2116 DraI TTT|AAA

2121 MspJI CNNR(N)9^NNNN\_

2123 MspJI CNNR(N)9^NNNN\_

2131 FspEI CC(N)12^NNNN\_

2132 MspJI CNNR(N)9^NNNN\_

2136 MspJI CNNR(N)9^NNNN\_

2137 MspJI CNNR(N)9^NNNN\_

2142 Hpy166II GTN|NAC

2152 Hpy188I TC\_N^GA

2156 HpyCH4III AC\_N^GT

2157 MspJI CNNR(N)9^NNNN\_

2158 MspJI CNNR(N)9^NNNN\_

2162 MspJI CNNR(N)9^NNNN\_

2162 FspEI CC(N)12^NNNN\_

2163 MspJI CNNR(N)9^NNNN\_

2168 MseI T^TA\_A

2170 MnlI CCTC(N)6\_N^

2173 MspJI CNNR(N)9^NNNN\_

2174 FspEI CC(N)12^NNNN\_

2175 MspJI CNNR(N)9^NNNN\_

2179 MspJI CNNR(N)9^NNNN\_

2179 BtsIMutI CAGTG\_NN^

2179 TspRI \_NNCASTGNN^

2179 BanI G^GYRC\_C

2181 NlaIV GGN|NCC

2182 # MspJI CNNR(N)9^NNNN\_

2188 DdeI C^TNA\_G

2191 \* MspJI CNNR(N)9^NNNN\_

2193 \* BfuCI ^GATC\_

2193 # DpnII ^GATC\_

2193 \*# MboI ^GATC\_

2193 \* Sau3AI ^GATC\_

2195 MspJI CNNR(N)9^NNNN\_

2195 \* DpnI GA|TC

2196 FspEI CC(N)12^NNNN\_

2197 FokI GGATG(N)9^NNNN\_

2200 MspJI CNNR(N)9^NNNN\_

2201 BspCNI CTCAG(N)7\_NN^

2210 BtsCI GGATG\_NN^

2220 MlyI GAGTC(N)5|

2220 PleI GAGTCNNNN^N\_

2226 HinfI G^ANT\_C

2227 MspJI CNNR(N)9^NNNN\_

2227 FspEI CC(N)12^NNNN\_

2231 AhdI GACNN\_N^NNGTC

2234 \* MspJI CNNR(N)9^NNNN\_

2235 MspJI CNNR(N)9^NNNN\_

2236 MspJI CNNR(N)9^NNNN\_

2236 FspEI CC(N)12^NNNN\_

2236 LpnPI CCDG(N)10^NNNN\_

2237 \* Hpy99I \_CGWCG^

2239 \* MspJI CNNR(N)9^NNNN\_

2239 \* FspEI CC(N)12^NNNN\_

2240 FspEI CC(N)12^NNNN\_

2243 \* MspJI CNNR(N)9^NNNN\_

2243 FspEI CC(N)12^NNNN\_

2243 FspEI CC(N)12^NNNN\_

2244 FspEI CC(N)12^NNNN\_

2244 FspEI CC(N)12^NNNN\_

2245 \* FspEI CC(N)12^NNNN\_

2248 \* MspJI CNNR(N)9^NNNN\_

2251 MnlI CCTC(N)6\_N^

2256 MspJI CNNR(N)9^NNNN\_

2256 FspEI CC(N)12^NNNN\_

2256 LpnPI CCDG(N)10^NNNN\_

2262 CviKI-1 RG|CY

2267 \* MspJI CNNR(N)9^NNNN\_

2269 BbvI GCAGC(N)8^NNNN\_

2271 BmrI ACTGGGNNNN\_N^

2273 Sau96I G^GNC\_C

2274 CviKI-1 RG|CY

2274 HaeIII GG|CC

2275 MspJI CNNR(N)9^NNNN\_

2275 NlaIV GGN|NCC

2275 BccI CCATCNNNN^N\_

2277 BsrI ACTG\_GN^

2280 FspEI CC(N)12^NNNN\_

2282 ApeKI G^CWG\_C

2282 TseI G^CWG\_C

2283 MspJI CNNR(N)9^NNNN\_

2283 Fnu4HI GC^N\_GC

2284 BtsIMutI CAGTG\_NN^

2284 TspRI \_NNCASTGNN^

2285 HpyCH4V TG|CA

2288 MspJI CNNR(N)9^NNNN\_

2288 FspEI CC(N)12^NNNN\_

2289 MspJI CNNR(N)9^NNNN\_

2289 FspEI CC(N)12^NNNN\_

2290 FspEI CC(N)12^NNNN\_

2290 LpnPI CCDG(N)10^NNNN\_

2292 \* BcoDI GTCTCN^NNNN\_

2292 \* BsmAI GTCTCN^NNNN\_

2292 BsrDI GCAATG\_NN^

2292 BsaI GGTCTCN^NNNN\_

2294 \* AciI C^CG\_C

2296 \* BstUI CG|CG

2297 \* FspEI CC(N)12^NNNN\_

2301 HphI GGTGA(N)7\_N^

2301 BpmI CTGGAG(N)14\_NN^

2307 \* MspJI CNNR(N)9^NNNN\_

2307 \* FspEI CC(N)12^NNNN\_

2309 \* MspJI CNNR(N)9^NNNN\_

2311 \* BsrFI R^CCGG\_Y

2312 \* HpaII C^CG\_G

2312 \* MspI C^CG\_G

2313 MspJI CNNR(N)9^NNNN\_

2314 MspJI CNNR(N)9^NNNN\_

2315 FspEI CC(N)12^NNNN\_

2315 CviKI-1 RG|CY

2316 \* MspJI CNNR(N)9^NNNN\_

2316 FspEI CC(N)12^NNNN\_

2316 \* NlaIV GGN|NCC

2318 Hpy188III TC^NN\_GA

2320 MspJI CNNR(N)9^NNNN\_

2324 MspJI CNNR(N)9^NNNN\_

2325 \* FspEI CC(N)12^NNNN\_

2325 \* LpnPI CCDG(N)10^NNNN\_

2330 MspJI CNNR(N)9^NNNN\_

2331 MspJI CNNR(N)9^NNNN\_

2331 FspEI CC(N)12^NNNN\_

2331 \* FspEI CC(N)12^NNNN\_

2331 LpnPI CCDG(N)10^NNNN\_

2335 FspEI CC(N)12^NNNN\_

2336 FspEI CC(N)12^NNNN\_

2341 CviKI-1 RG|CY

2343 Cac8I GCN|NGC

2343 HpyAV CCTTC(N)5\_N^

2345 CviKI-1 RG|CY

2346 \* HpaII C^CG\_G

2346 \* MspI C^CG\_G

2350 MspJI CNNR(N)9^NNNN\_

2351 FspEI CC(N)12^NNNN\_

2351 LpnPI CCDG(N)10^NNNN\_

2351 MwoI GCNN\_NNN^NNGC

2351 BglI GCCN\_NNN^NGGC

2352 FspEI CC(N)12^NNNN\_

2352 \* Sau96I G^GNC\_C

2354 MspJI CNNR(N)9^NNNN\_

2354 CviKI-1 RG|CY

2354 HaeIII GG|CC

2355 FspEI CC(N)12^NNNN\_

2355 LpnPI CCDG(N)10^NNNN\_

2358 MspJI CNNR(N)9^NNNN\_

2359 \* MspJI CNNR(N)9^NNNN\_

2359 \* FspEI CC(N)12^NNNN\_

2359 \* LpnPI CCDG(N)10^NNNN\_

2359 \* HinP1I G^CG\_C

2361 \* HhaI G\_CG^C

2367 MspJI CNNR(N)9^NNNN\_

2368 \* MspJI CNNR(N)9^NNNN\_

2368 \* FspEI CC(N)12^NNNN\_

2369 Sau96I G^GNC\_C

2369 AvaII G^GWC\_C

2370 \* MspJI CNNR(N)9^NNNN\_

2372 \* MspJI CNNR(N)9^NNNN\_

2374 MspJI CNNR(N)9^NNNN\_

2374 \* EciI GGCGGA(N)9\_NN^

2375 HpyCH4V TG|CA

2378 FokI GGATG(N)9^NNNN\_

2380 NmeAIII GCCGAG(N)19\_NN^

2384 MspJI CNNR(N)9^NNNN\_

2385 FspEI CC(N)12^NNNN\_

2385 LpnPI CCDG(N)10^NNNN\_

2385 \* AciI C^CG\_C

2391 BtsCI GGATG\_NN^

2395 BsrI ACTG\_GN^

2398 \* FspEI CC(N)12^NNNN\_

2398 \* FspEI CC(N)12^NNNN\_

2398 MnlI CCTC(N)6\_N^

2399 FspEI CC(N)12^NNNN\_

2399 BccI CCATCNNNN^N\_

2401 FspEI CC(N)12^NNNN\_

2403 MseI T^TA\_A

2403 AseI AT^TA\_AT

2404 FspEI CC(N)12^NNNN\_

2404 MluCI ^AATT\_

2407 MspJI CNNR(N)9^NNNN\_

2408 FspEI CC(N)12^NNNN\_

2408 LpnPI CCDG(N)10^NNNN\_

2412 \* StyD4I ^CCNGG\_

2413 MspJI CNNR(N)9^NNNN\_

2413 \* HpaII C^CG\_G

2413 \* MspI C^CG\_G

2414 \* ScrFI CC^N\_GG

2414 \* NciI CC^S\_GG

2420 \* MspJI CNNR(N)9^NNNN\_

2420 CviKI-1 RG|CY

2420 AluI AG|CT

2421 BfaI C^TA\_G

2425 MspJI CNNR(N)9^NNNN\_

2426 \* MspJI CNNR(N)9^NNNN\_

2426 \* FspEI CC(N)12^NNNN\_

2426 \* LpnPI CCDG(N)10^NNNN\_

2433 MspJI CNNR(N)9^NNNN\_

2435 MspJI CNNR(N)9^NNNN\_

2437 \* MspJI CNNR(N)9^NNNN\_

2438 BsrI ACTG\_GN^

2442 MseI T^TA\_A

2450 MspJI CNNR(N)9^NNNN\_

2451 FspEI CC(N)12^NNNN\_

2451 LpnPI CCDG(N)10^NNNN\_

2452 \* HinP1I G^CG\_C

2453 \* FspI TGC|GCA

2454 \* HhaI G\_CG^C

2457 \* HpyCH4IV A^CG\_T

2457 \* AclI AA^CG\_TT

2458 BbvI GCAGC(N)8^NNNN\_

2460 FspEI CC(N)12^NNNN\_

2460 LpnPI CCDG(N)10^NNNN\_

2465 \* MspJI CNNR(N)9^NNNN\_

2466 BsrDI GCAATG\_NN^

2468 FspEI CC(N)12^NNNN\_

2471 ApeKI G^CWG\_C

2471 TseI G^CWG\_C

2471 MwoI GCNN\_NNN^NNGC

2472 Fnu4HI GC^N\_GC

2472 SfcI C^TRYA\_G

2474 HpyCH4V TG|CA

2476 Cac8I GCN|NGC

2476 PstI C\_TGCA^G

2479 FspEI CC(N)12^NNNN\_

2483 MslI CAYNN|NNRTG

2487 MspJI CNNR(N)9^NNNN\_

2487 MspJI CNNR(N)9^NNNN\_

2487 FspEI CC(N)12^NNNN\_

2487 SfaNI GCATC(N)5^NNNN\_

2487 Tsp45I ^GTSAC\_

2488 MspJI CNNR(N)9^NNNN\_

2492 MspJI CNNR(N)9^NNNN\_

2492 FspEI CC(N)12^NNNN\_

2494 \* MspJI CNNR(N)9^NNNN\_

2500 \* Hpy99I \_CGWCG^

2502 \* MspJI CNNR(N)9^NNNN\_

2503 MspJI CNNR(N)9^NNNN\_

2506 \* MspJI CNNR(N)9^NNNN\_

2508 \* MspJI CNNR(N)9^NNNN\_

2508 \* FspEI CC(N)12^NNNN\_

2510 CviKI-1 RG|CY

2520 CviKI-1 RG|CY

2520 AluI AG|CT

2522 BsaWI W^CCGG\_W

2523 \* HpaII C^CG\_G

2523 \* MspI C^CG\_G

2524 FspEI CC(N)12^NNNN\_

2527 \* NlaIV GGN|NCC

2534 \* BfuCI ^GATC\_

2534 # DpnII ^GATC\_

2534 \*# MboI ^GATC\_

2534 \* Sau3AI ^GATC\_

2535 MspJI CNNR(N)9^NNNN\_

2536 \* FspEI CC(N)12^NNNN\_

2536 \* LpnPI CCDG(N)10^NNNN\_

2536 \* DpnI GA|TC

2541 MspJI CNNR(N)9^NNNN\_

2542 MspJI CNNR(N)9^NNNN\_

2542 FspEI CC(N)12^NNNN\_

2543 FspEI CC(N)12^NNNN\_

2547 # AlwI GGATCNNNN^N\_

2549 FatI ^CATG\_

2550 MspJI CNNR(N)9^NNNN\_

2550 CviAII C^AT\_G

2551 MspJI CNNR(N)9^NNNN\_

2552 BfuCI ^GATC\_

2552 # DpnII ^GATC\_

2552 # MboI ^GATC\_

2552 Sau3AI ^GATC\_

2553 NlaIII \_CATG^

2554 DpnI GA|TC

2555 \* MspJI CNNR(N)9^NNNN\_

2559 FatI ^CATG\_

2560 CviAII C^AT\_G

2561 \* FspEI CC(N)12^NNNN\_

2562 MspJI CNNR(N)9^NNNN\_

2563 NlaIII \_CATG^

2566 MspJI CNNR(N)9^NNNN\_

2568 HpyCH4V TG|CA

2569 FspEI CC(N)12^NNNN\_

2570 MspJI CNNR(N)9^NNNN\_

2570 FspEI CC(N)12^NNNN\_

2571 FspEI CC(N)12^NNNN\_

2572 MspJI CNNR(N)9^NNNN\_

2572 FspEI CC(N)12^NNNN\_

2574 \* MspJI CNNR(N)9^NNNN\_

2574 \* FspEI CC(N)12^NNNN\_

2575 MspJI CNNR(N)9^NNNN\_

2576 \* AciI C^CG\_C

2581 MspJI CNNR(N)9^NNNN\_

2582 \* MspJI CNNR(N)9^NNNN\_

2583 CviKI-1 RG|CY

2583 AluI AG|CT

2591 \* Sau96I G^GNC\_C

2591 \* AvaII G^GWC\_C

2593 MspJI CNNR(N)9^NNNN\_

2596 \* HpyAV CCTTC(N)5\_N^

2598 \* BfuCI ^GATC\_

2598 # DpnII ^GATC\_

2598 \*# MboI ^GATC\_

2598 \* Sau3AI ^GATC\_

2598 # Hpy188I TC\_N^GA

2599 FspEI CC(N)12^NNNN\_

2600 MspJI CNNR(N)9^NNNN\_

2600 \* DpnI GA|TC

2601 \* BsiEI CG\_RY^CG

2601 \* PvuI CG\_AT^CG

2603 FspEI CC(N)12^NNNN\_

2604 MspJI CNNR(N)9^NNNN\_

2604 MnlI CCTC(N)6\_N^

2607 FspEI CC(N)12^NNNN\_

2609 # MspJI CNNR(N)9^NNNN\_

2609 Hpy188I TC\_N^GA

2610 \* FspEI CC(N)12^NNNN\_

2619 \* EaeI Y^GGCC\_R

2620 MspJI CNNR(N)9^NNNN\_

2621 CviKI-1 RG|CY

2621 HaeIII GG|CC

2622 \* AciI C^CG\_C

2622 \* Fnu4HI GC^N\_GC

2624 FspEI CC(N)12^NNNN\_

2630 MspJI CNNR(N)9^NNNN\_

2630 FspEI CC(N)12^NNNN\_

2631 BtsIMutI CAGTG\_NN^

2631 TspRI \_NNCASTGNN^

2631 BtsI GCAGTG\_NN^

2635 \* MspJI CNNR(N)9^NNNN\_

2635 \* FspEI CC(N)12^NNNN\_

2637 FatI ^CATG\_

2638 CviAII C^AT\_G

2641 NlaIII \_CATG^

2642 MslI CAYNN|NNRTG

2648 MspJI CNNR(N)9^NNNN\_

2648 ApeKI G^CWG\_C

2648 TseI G^CWG\_C

2649 Fnu4HI GC^N\_GC

2650 MspJI CNNR(N)9^NNNN\_

2651 BtsIMutI CAGTG\_NN^

2651 BtsI GCAGTG\_NN^

2656 HpyCH4V TG|CA

2658 TspRI \_NNCASTGNN^

2659 MluCI ^AATT\_

2660 BbvI GCAGC(N)8^NNNN\_

2665 \* FokI GGATG(N)9^NNNN\_

2667 \* MspJI CNNR(N)9^NNNN\_

2669 MspJI CNNR(N)9^NNNN\_

2671 MspJI CNNR(N)9^NNNN\_

2671 HpyCH4III AC\_N^GT

2673 FatI ^CATG\_

2674 CviAII C^AT\_G

2677 NlaIII \_CATG^

2678 MspJI CNNR(N)9^NNNN\_

2678 SfaNI GCATC(N)5^NNNN\_

2678 BtsCI GGATG\_NN^

2682 MspJI CNNR(N)9^NNNN\_

2684 MspJI CNNR(N)9^NNNN\_

2686 MspJI CNNR(N)9^NNNN\_

2686 BccI CCATCNNNN^N\_

2688 FspEI CC(N)12^NNNN\_

2688 LpnPI CCDG(N)10^NNNN\_

2691 FspEI CC(N)12^NNNN\_

2693 MspJI CNNR(N)9^NNNN\_

2695 \* MspJI CNNR(N)9^NNNN\_

2695 \* FspEI CC(N)12^NNNN\_

2698 Tsp45I ^GTSAC\_

2707 BsrI ACTG\_GN^

2710 CviQI G^TA\_C

2711 RsaI GT|AC

2711 ScaI AGT|ACT

2713 MspJI CNNR(N)9^NNNN\_

2715 MspJI CNNR(N)9^NNNN\_

2715 MspJI CNNR(N)9^NNNN\_

2717 HphI GGTGA(N)7\_N^

2720 BspCNI CTCAG(N)7\_NN^

2725 MspJI CNNR(N)9^NNNN\_

2726 MspJI CNNR(N)9^NNNN\_

2728 \* MspJI CNNR(N)9^NNNN\_

2728 \* FspEI CC(N)12^NNNN\_

2728 DdeI C^TNA\_G

2729 Hpy188I TC\_N^GA

2730 MspJI CNNR(N)9^NNNN\_

2731 MspJI CNNR(N)9^NNNN\_

2731 FspEI CC(N)12^NNNN\_

2736 \* BcgI \_NN^(N)10CGA(N)6TGC(N)10\_NN^

2740 MspJI CNNR(N)9^NNNN\_

2743 \* AciI C^CG\_C

2744 \* Fnu4HI GC^N\_GC

2750 \* FspEI CC(N)12^NNNN\_

2750 \* BsiEI CG\_RY^CG

2757 \* HgaI GACGC(N)5^(N)5\_

2761 \* FspEI CC(N)12^NNNN\_

2762 MspJI CNNR(N)9^NNNN\_

2762 FspEI CC(N)12^NNNN\_

2763 \* MspJI CNNR(N)9^NNNN\_

2763 \* FspEI CC(N)12^NNNN\_

2763 \* StyD4I ^CCNGG\_

2765 \* HpaII C^CG\_G

2765 \* MspI C^CG\_G

2765 \* ScrFI CC^N\_GG

2765 \* NciI CC^S\_GG

2768 \* BsaHI GR^CG\_YC

2772 MspJI CNNR(N)9^NNNN\_

2772 \* Hpy166II GTN|NAC

2772 \* HincII GTY|RAC

2776 \* MspJI CNNR(N)9^NNNN\_

2777 MspJI CNNR(N)9^NNNN\_

2777 FspEI CC(N)12^NNNN\_

2778 \* FspEI CC(N)12^NNNN\_

2778 \* LpnPI CCDG(N)10^NNNN\_

2787 \* MspJI CNNR(N)9^NNNN\_

2787 \* AciI C^CG\_C

2789 \* MspJI CNNR(N)9^NNNN\_

2789 \* HinP1I G^CG\_C

2789 \* BstUI CG|CG

2791 \* HhaI G\_CG^C

2800 \* MspJI CNNR(N)9^NNNN\_

2800 \* FspEI CC(N)12^NNNN\_

2805 MspJI CNNR(N)9^NNNN\_

2805 FspEI CC(N)12^NNNN\_

2807 MspJI CNNR(N)9^NNNN\_

2807 MseI T^TA\_A

2808 FspEI CC(N)12^NNNN\_

2808 DraI TTT|AAA

2809 MspJI CNNR(N)9^NNNN\_

2812 MspJI CNNR(N)9^NNNN\_

2817 Bsp1286I G\_DGCH^C

2817 BsiHKAI G\_WGCW^C

2822 \* MspJI CNNR(N)9^NNNN\_

2822 \* FspEI CC(N)12^NNNN\_

2823 MspJI CNNR(N)9^NNNN\_

2823 FspEI CC(N)12^NNNN\_

2824 FspEI CC(N)12^NNNN\_

2826 \* MboII GAAGA(N)7\_N^

2828 MspJI CNNR(N)9^NNNN\_

2830 \* HpyCH4IV A^CG\_T

2830 \* AclI AA^CG\_TT

2830 XmnI GAANN|NNTTC

2836 BpuEI CTTGAG(N)14\_NN^

2839 FspEI CC(N)12^NNNN\_

2850 \* MspJI CNNR(N)9^NNNN\_

2851 SmlI C^TYRA\_G

2855 \* MspJI CNNR(N)9^NNNN\_

2856 BfuCI ^GATC\_

2856 # DpnII ^GATC\_

2856 # MboI ^GATC\_

2856 Sau3AI ^GATC\_

2856 BstYI R^GATC\_Y

2857 MspJI CNNR(N)9^NNNN\_

2858 DpnI GA|TC

2863 MspJI CNNR(N)9^NNNN\_

2864 \* AciI C^CG\_C

2864 # AlwI GGATCNNNN^N\_

2865 MspJI CNNR(N)9^NNNN\_

2866 \* MspA1I CMG|CKG

2867 \* MspJI CNNR(N)9^NNNN\_

2868 # AlwI GGATCNNNN^N\_

2872 MspJI CNNR(N)9^NNNN\_

2873 BfuCI ^GATC\_

2873 # DpnII ^GATC\_

2873 # MboI ^GATC\_

2873 Sau3AI ^GATC\_

2873 BstYI R^GATC\_Y

2875 DpnI GA|TC

2877 \* FspEI CC(N)12^NNNN\_

2877 BsrI ACTG\_GN^

2882 TaqI T^CG\_A

2889 MspJI CNNR(N)9^NNNN\_

2890 FspEI CC(N)12^NNNN\_

2890 LpnPI CCDG(N)10^NNNN\_

2895 BssSI C^ACGA\_G

2898 \* ApaLI G^TGCA\_C

2898 AcuI CTGAAG(N)14\_NN^

2900 # HpyCH4V TG|CA

2900 \*# Hpy166II GTN|NAC

2901 MspJI CNNR(N)9^NNNN\_

2902 Bsp1286I G\_DGCH^C

2902 # BsiHKAI G\_WGCW^C

2902 BaeGI G\_KGCM^C

2903 MspJI CNNR(N)9^NNNN\_

2904 FspEI CC(N)12^NNNN\_

2904 # MboII GAAGA(N)7\_N^

2905 FspEI CC(N)12^NNNN\_

2907 \* MspJI CNNR(N)9^NNNN\_

2909 \* MspJI CNNR(N)9^NNNN\_

2909 BfuCI ^GATC\_

2909 # DpnII ^GATC\_

2909 # MboI ^GATC\_

2909 Sau3AI ^GATC\_

2911 DpnI GA|TC

2915 MspJI CNNR(N)9^NNNN\_

2916 MspJI CNNR(N)9^NNNN\_

2916 FspEI CC(N)12^NNNN\_

2917 FspEI CC(N)12^NNNN\_

2920 # MspJI CNNR(N)9^NNNN\_

2923 HphI GGTGA(N)7\_N^

2927 SfaNI GCATC(N)5^NNNN\_

2928 MspJI CNNR(N)9^NNNN\_

2928 FspEI CC(N)12^NNNN\_

2928 LpnPI CCDG(N)10^NNNN\_

2929 FspEI CC(N)12^NNNN\_

2930 MspJI CNNR(N)9^NNNN\_

2934 MspJI CNNR(N)9^NNNN\_

2943 FspEI CC(N)12^NNNN\_

2943 LpnPI CCDG(N)10^NNNN\_

2946 MspJI CNNR(N)9^NNNN\_

2947 FspEI CC(N)12^NNNN\_

2947 FspEI CC(N)12^NNNN\_

2947 LpnPI CCDG(N)10^NNNN\_

2955 MspJI CNNR(N)9^NNNN\_

2955 HpyAV CCTTC(N)5\_N^

2958 HphI GGTGA(N)7\_N^

2964 MspJI CNNR(N)9^NNNN\_

2966 FspEI CC(N)12^NNNN\_

2967 FspEI CC(N)12^NNNN\_

2970 MspJI CNNR(N)9^NNNN\_

2973 \* AciI C^CG\_C

2973 \* Fnu4HI GC^N\_GC

2974 MspJI CNNR(N)9^NNNN\_

2974 FspEI CC(N)12^NNNN\_

2975 FspEI CC(N)12^NNNN\_

2978 MspJI CNNR(N)9^NNNN\_

2983 \* FspEI CC(N)12^NNNN\_

2986 \* MspJI CNNR(N)9^NNNN\_

2986 \* FspEI CC(N)12^NNNN\_

2988 MspJI CNNR(N)9^NNNN\_

3001 MslI CAYNN|NNRTG

3009 \* MspJI CNNR(N)9^NNNN\_

3011 \* MspJI CNNR(N)9^NNNN\_

3013 MboII GAAGA(N)7\_N^

3026 MspJI CNNR(N)9^NNNN\_

3026 EarI CTCTTCN^NNN\_

3028 MspJI CNNR(N)9^NNNN\_

3035 SspI AAT|ATT

3038 MspJI CNNR(N)9^NNNN\_

3038 FspEI CC(N)12^NNNN\_

3038 FspEI CC(N)12^NNNN\_

3038 LpnPI CCDG(N)10^NNNN\_

3039 FspEI CC(N)12^NNNN\_

3055 MspJI CNNR(N)9^NNNN\_

3057 \* FspEI CC(N)12^NNNN\_

3065 MspJI CNNR(N)9^NNNN\_

3066 FatI ^CATG\_

3066 BspHI T^CATG\_A

3067 CviAII C^AT\_G

3067 Hpy188III TC^NN\_GA

3068 BcoDI GTCTCN^NNNN\_

3068 BsmAI GTCTCN^NNNN\_

3068 BciVI GTATCC(N)5\_N^

3069 MspJI CNNR(N)9^NNNN\_

3070 NlaIII \_CATG^

3072 \* AciI C^CG\_C

3072 \* BsrBI CCG|CTC

3077 MspJI CNNR(N)9^NNNN\_

3079 MspJI CNNR(N)9^NNNN\_

3080 MspJI CNNR(N)9^NNNN\_

3085 \* MspJI CNNR(N)9^NNNN\_

3091 MspJI CNNR(N)9^NNNN\_

3096 FspEI CC(N)12^NNNN\_

3097 MspJI CNNR(N)9^NNNN\_

3097 FspEI CC(N)12^NNNN\_

3098 FspEI CC(N)12^NNNN\_

3104 \* MspJI CNNR(N)9^NNNN\_

3117 \* NlaIV GGN|NCC

3119 MspJI CNNR(N)9^NNNN\_

3119 \* AciI C^CG\_C

3121 \* HinP1I G^CG\_C

3121 \* BstUI CG|CG

3123 \* HhaI G\_CG^C

3132 \* MspJI CNNR(N)9^NNNN\_

3132 \* FspEI CC(N)12^NNNN\_

3134 \* MspJI CNNR(N)9^NNNN\_

3136 MspJI CNNR(N)9^NNNN\_

3141 MspJI CNNR(N)9^NNNN\_

3144 \* MspJI CNNR(N)9^NNNN\_

3144 FspEI CC(N)12^NNNN\_

3145 MspJI CNNR(N)9^NNNN\_

3145 FspEI CC(N)12^NNNN\_

3146 \* MspJI CNNR(N)9^NNNN\_

3146 \* FspEI CC(N)12^NNNN\_

3150 \* HpyCH4IV A^CG\_T

3150 \* BsaHI GR^CG\_YC

3151 \* ZraI GAC|GTC

3153 \* AatII G\_ACGT^C

3154 DdeI C^TNA\_G

3156 FspEI CC(N)12^NNNN\_

3158 MspJI CNNR(N)9^NNNN\_

3159 MspJI CNNR(N)9^NNNN\_

3159 FspEI CC(N)12^NNNN\_

3159 LpnPI CCDG(N)10^NNNN\_

3166 MspJI CNNR(N)9^NNNN\_

3171 FatI ^CATG\_

3171 BspHI T^CATG\_A

3172 CviAII C^AT\_G

3172 Hpy188III TC^NN\_GA

3175 FspEI CC(N)12^NNNN\_

3175 NlaIII \_CATG^

3178 FspEI CC(N)12^NNNN\_

3179 MspJI CNNR(N)9^NNNN\_

3179 MseI T^TA\_A

3184 MspJI CNNR(N)9^NNNN\_

3190 FspEI CC(N)12^NNNN\_

3195 MspJI CNNR(N)9^NNNN\_

3196 FspEI CC(N)12^NNNN\_

3198 MnlI CCTC(N)6\_N^

3199 \* MspJI CNNR(N)9^NNNN\_

3202 \* Hpy188III TC^NN\_GA

3202 BssSI C^ACGA\_G

3207 Sau96I G^GNC\_C

3207 EcoO109I RG^GNC\_CY

3208 CviKI-1 RG|CY

3208 HaeIII GG|CC

3209 \* MspJI CNNR(N)9^NNNN\_

3209 MboII GAAGA(N)7\_N^

3209 BbsI GAAGACNN^NNNN\_

3212 FspEI CC(N)12^NNNN\_

3213 MspJI CNNR(N)9^NNNN\_

3214 \* MspJI CNNR(N)9^NNNN\_

3216 \* MspJI CNNR(N)9^NNNN\_

3221 Hpy188III TC^NN\_GA

3222 FspEI CC(N)12^NNNN\_

3223 FspEI CC(N)12^NNNN\_

3224 MspJI CNNR(N)9^NNNN\_

3224 MluCI ^AATT\_