

Human and Mouse MGC Collaboration Clones

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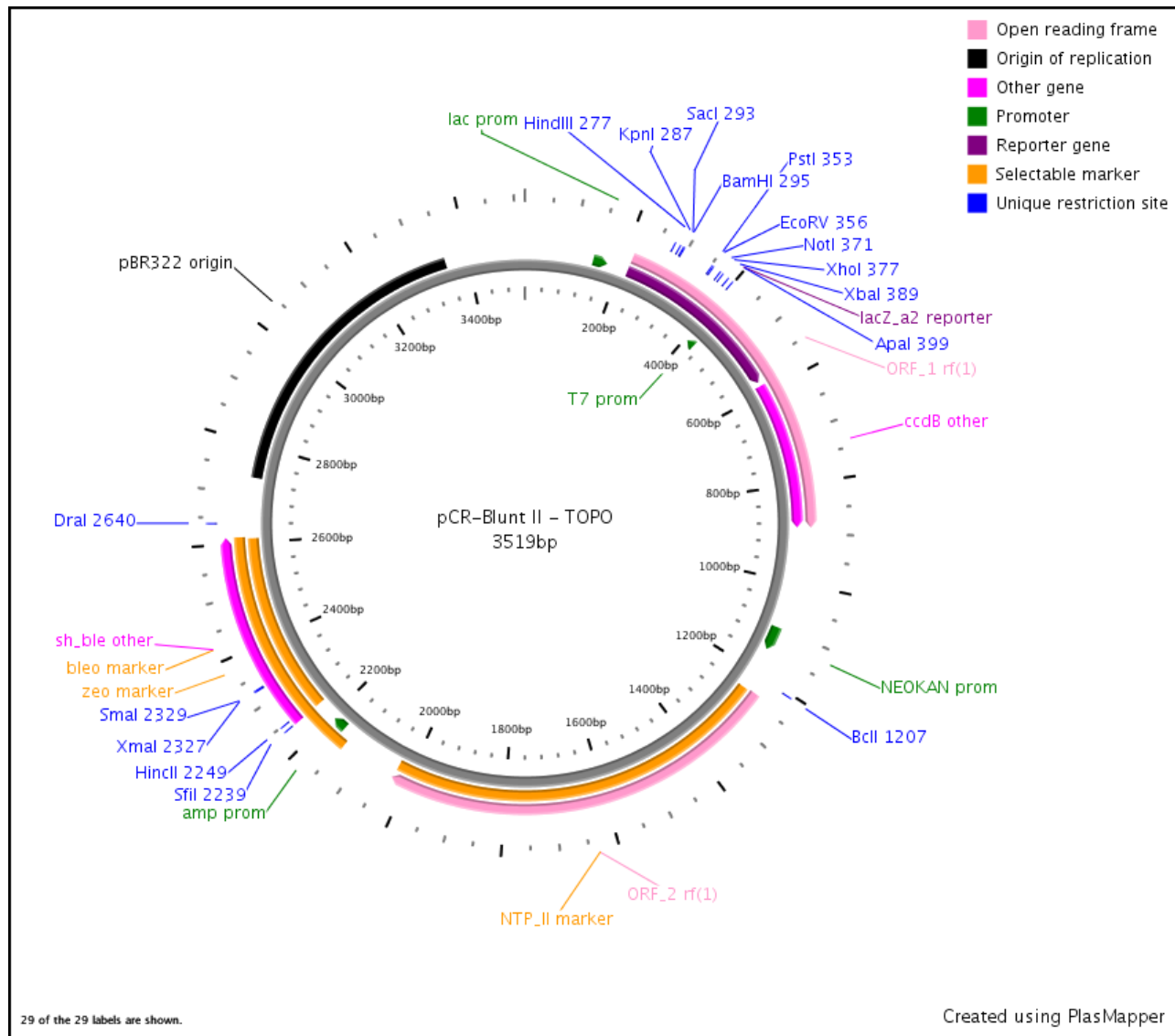
Vector Map: pCR-BluntII-TOPO

Name: pCR-BluntII-TOPO
Source: Invitrogen Life Technologies
Vector Type: plasmid
Selection marker: kanamycin resistant; 10µg/ml
Polylinker sequence:

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acagctatgaccatgattacgccaagctatttaggtgacactatagaata
ctcaagctatgcatcaagcttggtagcagctcggatccactagtaacgg
ccgccagtgtgctggaattcgcccttaagggcgaattctgcagatatcca
tcacactggcggccgctcgagcatgcatctagagggccaattcgcctta
tagtgagtcgtattacaattcactggccgtcgtttacaacgtcgtgact
gggaaaaccctggcgttaccacttaatgccttgcagcacatcccct
ttgccagctggcgtaatagcgaagaggcccgaccgatgcccttccca
acagttgctgcagcctatacgtacggcagtttaaggttacacctataaaa
gagagagccgttatcgtctgttggatgtacagagtgatattattgac
acgccggggcgacggatggtgatccccctggccagtgcacgtctgctgc
agataaagtctcccgtgaactttaccgggtggtgcatatcggggatgaaa
gctggcgcac
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Sequencing primers: M13(-21), M13 reverse, t7, sp6

Map



Sequence:

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1      AGCGCCAAT  ACGCAAACCG  CCTCTCCCCG  CGCGTTGGCC  GATTCATTAA  TGCAGCTGGC  60
61     ACGACAGGTT  TCCCGACTGG  AAAGCGGGCA  GTGAGCGCAA  CGCAATTAAT  GTGAGTTAGC  120
121    TCACTCATT  GGCACCCAG  GCTTTACACT  TTATGCTTCC  GGCTCGTATG  TTGTGTGGAA  180
181    TTGTGAGCGG  ATAACAATTT  CACACAGGAA  ACAGCTATGA  CCATGATTAC  GCCAAGCTAT  240
241    TTAGGTGACA  CTATAGAATA  CTCAAGCTAT  GCATCAAGCT  TGGTACCGAG  CTCGGATCCA  300
301    CTAGTAACGG  CCGCCAGTGT  GCTGGAATTC  GCCCTTAAGG  GCGAATTCTG  CAGATATCCA  360
361    TCACACTGGC  GGCCGCTCGA  GCATGCATCT  AGAGGGCCCA  ATTCGCCCTA  TAGTGAGTCG  420
421    TATTACAATT  CACTGGCCGT  CGTTTTACAA  CGTCGTGACT  GGGAAAACCC  TGGCGTTACC  480
481    CAACTTAATC  GCCTTGCAGC  ACATCCCCCT  TTCGCCAGCT  GGC GTAATAG  CGAAGAGGCC  540
541    CGCACCGATC  GCCCTTCCCA  ACAGTTGCGC  AGCCTATACG  TACGGCAGTT  TAAGGTTTAC  600
601    ACCTATAAAA  GAGAGAGCCG  TTATCGTCTG  TTTGTGGATG  TACAGAGTGA  TATTATTGAC  660
661    ACGCCGGGGC  GACGGATGGT  GATCCCCCTG  GCCAGTGCAC  GTCTGCTGTC  AGATAAAGTC  720
721    TCCCGTGAAC  TTTACCCGGT  GGTGCATATC  GGGGATGAAA  GCTGGCGCAT  GATGACCACC  780
781    GATATGGCCA  GTGTGCCGGT  CTCCGTTATC  GGGGAAGAAG  TGGCTGATCT  CAGCCACCGC  840
841    GAAAATGACA  TCAAAAACGC  CATTAACTTG  ATGTTCTGGG  GAATATAAAT  GTCAGGCATG  900
901    AGATTATCAA  AAAGGATCTT  CACCTAGATC  CTTTTACAGT  AGAAAGCCAG  TCCGCAGAAA  960
961    CGGTGCTGAC  CCCGGATGAA  TGTGAGCTAC  TGGGCTATCT  GGACAAGGGA  AAACGCAAGC  1020
1021   GCAAAGAGAA  AGCAGGTAGC  TTGCAGTGGG  CTTACATGGC  GATAGCTAGA  CTGGGCGGTT  1080

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|------|------------|-------------|------------|------------|-------------|------------|------|
| 1081 | TTATGGACAG | CAAGCGAACC | GGAATTGCCA | GCTGGGGCGC | CCTCTGGTAA | GGTTGGGAAG | 1140 |
| 1141 | CCCTGCAAAG | TAAACTGGAT | GGCTTTCTCG | CCGCCAAGGA | TCTGATGGCG | CAGGGGATCA | 1200 |
| 1201 | AGCTCTGATC | AAGAGACAGG | ATGAGGATCG | TTTCGCATGA | TTGAACAAGA | TGGATTGCAC | 1260 |
| 1261 | GCAGGTTCTC | CGGCCGCTTG | GGTGGAGAGG | CTATTCGGCT | ATGACTGGGC | ACAACAGACA | 1320 |
| 1321 | ATCGGCTGCT | CTGATGCCCG | CGTGTTCGGG | CTGTACGGC | AGGGGCGCCC | GGTTCTTTTT | 1380 |
| 1381 | GTCAAGACCG | ACCTGTCCGG | TGCCCTGAAT | GAACTGCAAG | ACGAGGCAGC | GCGGCTATCG | 1440 |
| 1441 | TGGCTGGCCA | CGACGGGCGT | TCCTTGCGCA | GCTGTGCTCG | ACGTTGTCAC | TGAAGCGGGA | 1500 |
| 1501 | AGGGACTGGC | TGCTATTGGG | CGAAGTGCCG | GGGCAGGATC | TCCTGTATC | TCACCTTGCT | 1560 |
| 1561 | CCTGCCGAGA | AAGTATCCAT | CATGGCTGAT | GCAATGCGGC | GGCTGCATAC | GCTTGATCCG | 1620 |
| 1621 | GCTACCTGCC | CATTCGACCA | CCAAGCGAAA | CATCGCATCG | AGCGAGCACG | TACTCGGATG | 1680 |
| 1681 | GAAGCCGGTC | TTGTTCGATCA | GGATGATCTG | GACGAAGAGC | ATCAGGGGCT | CGCGCCAGCC | 1740 |
| 1741 | GAAGTGTTCG | CCAGGCTCAA | GGCGAGCATG | CCCACGGCG | AGGATCTCGT | CGTGACCCAT | 1800 |
| 1801 | GGCGATGCCT | GCTTGCCGAA | TATCATGGTG | GAAAATGGCC | GCTTTTCTGG | ATTCATCGAC | 1860 |
| 1861 | TGTGGCCGGC | TGGGTGTGGC | GGACCGCTAT | CAGGACATAG | CGTTGGCTAC | CCGTGATATT | 1920 |
| 1921 | GCTGAAGAGC | TTGGCGGCGA | ATGGGCTGAC | CGCTTCCTCG | TGCTTTACGG | TATCGCCGCT | 1980 |
| 1981 | CCCGATTGCG | AGCGCATCGC | CTTCTATCGC | CTTCTTGACG | AGTTCTTCTG | AATTATTAAC | 2040 |
| 2041 | GCTTACAATT | TCCTGATGCG | GTATTTTCTC | CTTACGCATC | TGTGCGGTAT | TTCACACCGC | 2100 |
| 2101 | ATACAGGTGG | CACTTTTTCGG | GGAAATGTGC | GCGGAACCC | TATTTGTTTA | TTTTTCTAAA | 2160 |
| 2161 | TACATTCAAA | TATGTATCCG | CTCATGAGAC | AATAACCCTG | ATAAATGCTT | CAATAATAGC | 2220 |
| 2221 | ACGTGAGGAG | GGCCACCATG | GCCAAGTTGA | CCAGTGCCGT | TCCGGTGCTC | ACCGCGCGCG | 2280 |
| 2281 | ACGTCCGCGG | AGCGGTTCGAG | TTCTGGACCG | ACCGGCTCGG | GTTCTCCCGG | GACTTCGTGG | 2340 |
| 2341 | AGGACGACTT | CGCCGGTGTG | GTCCGGGACG | ACGTGACCCT | GTTTCATCAG | GCGGTCCAGG | 2400 |
| 2401 | ACCAGGTGGT | GCCGGACAAC | ACCTGGCCT | GGGTGTGGGT | GCGCGGCCTG | GACGAGCTGT | 2460 |
| 2461 | ACCGAGATGT | CTCGGAGGTC | GTGTCCACGA | ACTTCCGGGA | GCCCTCCGGG | CGGCCATGA | 2520 |
| 2521 | CCGAGATCGG | GTAGCAGCCG | TGGGGGCGGG | AGTTCGCCCT | GCGCGACCCG | GCCGGCAACT | 2580 |
| 2581 | GCGTGCACCT | CGTGGCCGAG | GAGCAGGACT | GACACGTGCT | AAAACCTTCAT | TTTTAATTTA | 2640 |
| 2641 | AAAGGATCTA | GGTGAAGATC | CTTTTTGATA | ATCTCATGAC | CAAAATCCCT | TAACGTGAGT | 2700 |
| 2701 | TTTCGTTCCT | CTGAGCGTCA | GACCCCGTAG | AAAAGATCAA | AGGATCTTCT | TGAGATCCTT | 2760 |
| 2761 | TTTTTCTGCG | CGTAATCTGC | TGCTTGCAA | CAAAAAAACC | ACCGCTACCA | GCGGTGGTTT | 2820 |
| 2821 | GTTTGCCGGA | TCAAGAGCTA | CCAACCTCTT | TTCCGAAGGT | AACTGGCTTC | AGCAGAGCGC | 2880 |
| 2881 | AGATACAAA | TACTGTCTCT | CTAGTGTAGC | CGTAGTTAGG | CCACCACTTC | AAGAACTCTG | 2940 |
| 2941 | TAGCACCGCC | TACATACCTC | GCTCTGCTAA | TCCTGTTACC | AGTGGCTGCT | GCCAGTGGCG | 3000 |
| 3001 | ATAAGTCGTG | TCTTACCGGG | TTGGACTCAA | GACGATAGTT | ACCGGATAAG | GCGCAGCGGT | 3060 |
| 3061 | CGGGCTGAAC | GGGGGTTCG | TGCACACAGC | CCAGCTTGGA | GCGAACGACC | TACACCGAAC | 3120 |
| 3121 | TGAGATACCT | ACAGCGTGAG | CTATGAGAAA | GCGCCACGCT | TCCCGAAGGG | AGAAAGGCGG | 3180 |
| 3181 | ACAGGTATCC | GGTAAGCGGC | AGGGTCCGAA | CAGGAGAGCG | CACGAGGGAG | CTTCCAGGGG | 3240 |
| 3241 | GAAACGCCTG | GTATCTTTAT | AGTCCTGTCT | GGTTTCGCCA | CCTCTGACTT | GAGCGTCGAT | 3300 |
| 3301 | TTTTGTGATG | CTCGTCAGGG | GGGCGGAGCC | TATGGAAAAA | CGCCAGCAAC | GCGGCCTTTT | 3360 |
| 3361 | TACGGTTCCT | GGGCTTTTGC | TGGCCTTTTG | CTCACATGTT | CTTTCCTGCG | TTATCCCCTG | 3420 |
| 3421 | ATTCTGTGGA | TAACCGTATT | ACCGCCTTTG | AGTGAGCTGA | TACCGCTCGC | CGCAGCCGAA | 3480 |
| 3481 | CGACCGAGCG | CAGCGAGTCA | GTGAGCGAGG | AAGCGGAAG | 3519 | | |

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