APC(1) APC(2)

>chr|5:112073002-112073852 GCTTCAACTCAGGCAACCCAGACTTCCAGAGTTCTGATCTCCACTACTAAGCTGCTAGCATAGCTTTTCTGGTAACTATTTTTAATTCAAATATAATTCGAGTGATCTATCTAACAAGTCATCACTCTGACAACTCAGTGACTTGTAATGTAAAATTATTCATTGTAATTCATTTAATATTATTGTTTCTCTGTGCTGCAAAAATCATAGCAATCGAGATGTAATTTATTACTCTCCCTCCCACCTCCGGCATCTTGTGCTAATCCTTCTGCCCTGCGGACCTCCCCCGACTCTTTACTATGCGTGTCAACTGCCATCAACTTCCTTGCTTGCTGGGGACTGGGGCCGCGAGGGCATACCCCCGAGGGGTACGGGGCTAGGGCTAGGCAGGCTGTGCGGTTGGGCGGGGCCCTGTGCCCCACTGCGGAGTG[CG]GGTCGGGAAGCGGAGAGAGAAGCAGCTGTGTAATCCGCTGGATGCGGACCAGGGCGCTCCCCATTCCCGTCGGGAGCCCGCCGATTGGCTGGGTGTGGGCGCACGTGACCGACATGTGGCTGTATTGGTGCAGCCCGCCAGGGTGTCACTGGAGACAGAATGGAGGTGCTGCCGGACTCGGAAATGGGGTAGGTGCTGGAGCCACCATGGCCAGGCTTGCTGCGGGGGGAGGGGGGAAGGTGGTTTTCCCT[CG]CACTGTCTTAAACCGATGGCCTTTCCTTGGCACAGGGTCCACTGCAGCATGCCAAACGAGGAGGCAGGGGCGTCGTCCCCCCGCCCCCCACTGCAGCACTGGAGATGGATTTCCTGTACTTCGGATCCAGGGTTTTTGACAGAAGAGGAAGAAGGGGGAGGGGTA

### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/AW448K2fwk/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/AW448K2fwk/seq.txt.fa)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/AW448K2fwk/seq.txt.fa.out.txt)

Your Query Sequence Length: 5 112073852 112073002 851,Hit sequence Length: 851,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/AW448K2fwk/seq.txt.fa.2.cnv.html)

Region 1: 0-851

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/AW448K2fwk/seq.txt.2.snp.txt)

>Human\_37:Chr5 112073002-112073852 Strand: +  
GCTTCAACTCAGGCAACCCAGACTTCCAGAGTTCTGATCTCCACTACTAAGCTGCTAGCATAGCTTTTCTGGTAACTATTTTTAATTCAAATATAATTCGAGTGATCTATCTAACAAGTCATCACTCTGACAACTCAGTGACTTGTAATGTAAAATTATTCATTGTAATTCATTTAATATTATTGTTTCTCTGTGCTGCAAAAATCATAGCAATCGAGATGTAATTTATTACTCTCCCTCCCACCTCCGGCATCTTGTGCTAATCCTTCTGCCCTGCGGACCTCCCCCGACTCTTTACTATGCGTGTCAACTGCCATCAACTTCCTTGCTTGCTGGGGACTGGGGCCGCGAGGGCATACCCCCGAGGGGTACGGGGCTAGGGCTAGGCAGGCTGTGCGGTTGGGCGGGGCCCTGTGCCCCACTGCGGAGTG[CG]GGTCGGGAAGCGGAGAGAGAAGCAGCTGTGTAATCCGCTGGATGCGGACCAGGGCGCTCCCCATTCCCGTCGGGAGCCCGCCGATTGGCTGGGTGTGGGCGCACGTGACCGACATGTGGCTGTATTGGTGCAGCCCGCCAGGGTGTCACTGGAGACAGAATGGAGGTGCTGCCGGACTCGGAAATGGGGTAGGTGCTGGAGCCACCATGGCCAGGCTTGCTGCGGGGGGAGGGGGGAAGG[Y](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs80313086)GGTTTTCCCT[CG]CACTGTCTTAAACCGATGGCCTTTCCTTGGCACAGGGTCCACTGCAGCATGCCAAACGAGGAGGCAGGGGCGTCGTCCCCCCGCCCCCCACTGCAGCACTGGAGATGGATTTCCTGTACTTCGGATCCAGGGTTTTTGACAGAAGAGGAAGAAG[R](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs186599813)GGGAGGGGTA

unknow :Methylation Sequences:  
GTTTTAATTTAGGTAATTTAGATTTTTAGAGTTTTGATTTTTATTATTAAGTTGTTAGTATAGTTTTTTTGGTAATTATTTTTAATTTAAATATAATTXGAGTGATTTATTTAATAAGTTATTATTTTGATAATTTAGTGATTTGTAATGTAAAATTATTTATTGTAATTTATTTAATATTATTGTTTTTTTGTGTTGTAAAAATTATAGTAATXGAGATGTAATTTATTATTTTTTTTTTTATTTTXGGTATTTTGTGTTAATTTTTTTGTTTTGXGGATTTTTTTXGATTTTTTATTATGXGTGTTAATTGTTATTAATTTTTTTGTTTGTTGGGGATTGGGGTXGXGAGGGTATATTTTXGAGGGGTAXGGGGTTAGGGTTAGGTAGGTTGTGXGGTTGGGXGGGGTTTTGTGTTTTATTGXGGAGTG[XG]GGTXGGGAAGXGGAGAGAGAAGTAGTTGTGTAATTXGTTGGATGXGGATTAGGGXGTTTTTTATTTTXGTXGGGAGTTXGTXGATTGGTTGGGTGTGGGXGTAXGTGATXGATATGTGGTTGTATTGGTGTAGTTXGTTAGGGTGTTATTGGAGATAGAATGGAGGTGTTGTXGGATTXGGAAATGGGGTAGGTGTTGGAGTTATTATGGTTAGGTTTGTTGXGGGGGGAGGGGGGAAGGTGGTTTTTTTT[XG]TATTGTTTTAAATXGATGGTTTTTTTTTGGTATAGGGTTTATTGTAGTATGTTAAAXGAGGAGGTAGGGGXGTXGTTTTTTXGTTTTTTATTGTAGTATTGGAGATGGATTTTTTGTATTTXGGATTTAGGGTTTTTGATAGAAGAGGAAGAAGGGGGAGGGGTA

APC(1)F 373 22 57.55 50.00 2 0 12 GGGTTAGGGTTAGGTAGGTTGT

APC(1)R 599 23 57.29 39.13 3 0 12 CCTCCATTCTATCTCCAATAACA

Product size:226 CpGs:17 PAIR\_ANY\_COMPL:2 PAIR3'COMPL:0

APC(1)SF 23 56-60.77 39.13 2 0 12

GTTTTGTGTTTTATTGYGGAGTG

APC(2)F 20 58.23 50.00 2 1 12 7.6 AATGGGGTAGGTGTTGGAGT

APC(2)R 25 58.56 32.00 3 0 12 5.7 CAAAAAATCCATCTCCAATACTACA

Product size:187

APC(2)SF 19 57.86 42.11 2 0 10 7.6 GGGGAAGGTGGTTTTTTTT

SHOX2eu

>chr|3:157820893-157821857 CGCCTGGGGCAAGGTGGGCAGTCATCCACCACCTCCTTCACAAACGTACCTCGACTCACCGCCTCACTATTCACCCCCCAGTCACCGGCCTTCCCCAGCAAACACCAAATGGTTTCCACTCACTTTCGCACTCACTTGCTCCGCAGCACTCACAGAAATCAAAGGCGCAGCGCCAGGCCTCTCACAGAGCAAAGTCTGGACATAAGGGCGCGGCAAGGCCACCCACTGGCCTCTCACACCGGCCATTCCCAGAAGGCTGGCTCGTTCTCAGGCCAGCTCTCACCACCGCTGGCTCTCTGCCTACCGCAAACTTGCTGGTCTAATTTAGGAACAATTGGGCCGAAAGGTATCAGCGAGAGCAACAGACCCCGGTGTTGTGCCGCACAGGGAGCCGCATCCGCAGACGCCCCTCGCTGCCCCTGGGCTCGGGCCAAACCCTGCATAAGGTCCCCTGGACAGCCAGGTAATCTC[CG]TCCCGCCTGCCCGACCGGGGTCGCACGAGCACAGGCGCCCACGCCATGTTGGCTGCCCAAAGGGCTCGCCGCCCAAGCCGGGCCAGAAGGCAGGAGGCGGAAAACCAGCCTCCGGTGGCGGGCGAAAGCAACCGCTCTTTCTGTTCTCTCTTCGCCCTCCCTCGTGGAAACGCAGACTCGACCCTAAACGCTTAACCCACAGAGATCAACAGGTTCAAGCGGAATATTCGCGATCCTCGGTTTCTATTGGTTGCTCAAAGCCTTTTCATGCAACCAGCAGCTCGGATGTTTAATAAAATATGAATTTTTCTGCTCTGGGTTTGCACACATCCGTTGCCACTTTCCTGTCCTTCTCCTCCCTTTAAAAACAGGAGCTCTTCTAGTGTGAGCATATACAGCCACCATATATATATCCCCCTGGAACCTTTATCCTCTGCGCCCGAATCAGAGACTCCGGGTTTTAAGAAGTCAAAGCTGAGTTTAGATAGTCGA

### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/nqNWhDfsxL/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/nqNWhDfsxL/seq.txt.fa)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/nqNWhDfsxL/seq.txt.fa.out.txt)

Your Query Sequence Length: 3 157821857 157820893 965,Hit sequence Length: 965,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/nqNWhDfsxL/seq.txt.fa.2.cnv.html)

No CNV was found in the given sequence

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/nqNWhDfsxL/seq.txt.2.snp.txt)

>Human\_37:Chr3 157820893-157821857 Strand: +  
CGCCTGGGGCAAGGTGGGCAGTCATCCACCACCTCCTTCACAAACGTACCTCGACTCACCGCCTCACTATTCACCCCCCAGTCACCGGCCTTCCCCAGCAAACACCAAATG[S](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs4680410)TTTCCACTCACTTTCGCACTCACTTGCTCCGCAGCACTCACAGAAATCAAAGGCGCAGCGCCAGGCCTCTCACAGAGCAAAGTCTGGACATAAGGGCGCGGCAAGGCCACCCACTGGCCTCTCACACCGGCCATTCCCAGAAGGCTGGCTCGTTCTCAGGCCAGCTCTCACCACCGCTGGCT[S](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs73164062)TCTGCCTACCGCAAACTTGCTGGTCTAATTTAGGAACAATTGGGCCGAAAGGTATCAGCGAGAGCAACAGACCCCGGTGTTGTGCCGCACAGGGAGCCGCATCCGCAGACGCCCCTCGCTGCCCCTGGGCTCGGGCCAAACCCTGCATAAGGTCCCCTGGACAG[M](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs148215002)CAGGTAATCTC[CG]TCCCGCCTGCCCGACCGGGGTCGCACGAGCACAGGCGCCCACGCCATGTTGGC[Y](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs1608102)GCCCAAAGGGCTCGCCGCCCAAGCCGGGCCAGAAGGCAGGAGGCGGAAAACCAGCCTCCGGTGGCGGGCGAAAGCAACCGCTCTTTCTGTTCTCTCTTCGCCCTCCCTCGTGGAAACGCAGACTCGACCCTAAACGCTTAACCCACAGAGATCAACAGGTTCAAGCGGAATATTCGCGATCCTCGGTTTCTATTGGTTGCTCAAAGCCTTTTCATGCAACCAGCAGCTCGGATGTTTAATAAAATATGAATTTTTCTGCTCTGGGTTTGCACACATCCGTTGCCACTTTCCTGTCCTTCTCCTCCCTTTAAAAACAGGAGCTCTTCTAGTGTGAGCATATACAGCCACCATATATATATCCCCCTGGAACCTTTATCCTCTGCGCCCGAATCAGAGACTCCGGGTTTTAAGAAGTCAAAGCTGAGTTTAGATAGTCGA

unknow :Methylation Sequences:  
XGTTTGGGGTAAGGTGGGTAGTTATTTATTATTTTTTTTATAAAXGTATTTXGATTTATXGTTTTATTATTTATTTTTTAGTTATXGGTTTTTTTTAGTAAATATTAAATGGTTTTTATTTATTTTXGTATTTATTTGTTTXGTAGTATTTATAGAAATTAAAGGXGTAGXGTTAGGTTTTTTATAGAGTAAAGTTTGGATATAAGGGXGXGGTAAGGTTATTTATTGGTTTTTTATATXGGTTATTTTTAGAAGGTTGGTTXGTTTTTAGGTTAGTTTTTATTATXGTTGGTTTTTTGTTTATXGTAAATTTGTTGGTTTAATTTAGGAATAATTGGGTXGAAAGGTATTAGXGAGAGTAATAGATTTXGGTGTTGTGTXGTATAGGGAGTXGTATTXGTAGAXGTTTTTXGTTGTTTTTGGGTTXGGGTTAAATTTTGTATAAGGTTTTTTGGATAGTTAGGTAATTTT[XG]TTTXGTTTGTTXGATXGGGGTXGTAXGAGTATAGGXGTTTAXGTTATGTTGGTTGTTTAAAGGGTTXGTXGTTTAAGTXGGGTTAGAAGGTAGGAGGXGGAAAATTAGTTTTXGGTGGXGGGXGAAAGTAATXGTTTTTTTTGTTTTTTTTTXGTTTTTTTTXGTGGAAAXGTAGATTXGATTTTAAAXGTTTAATTTATAGAGATTAATAGGTTTAAGXGGAATATTXGXGATTTTXGGTTTTTATTGGTTGTTTAAAGTTTTTTTATGTAATTAGTAGTTXGGATGTTTAATAAAATATGAATTTTTTTGTTTTGGGTTTGTATATATTXGTTGTTATTTTTTTGTTTTTTTTTTTTTTTTAAAAATAGGAGTTTTTTTAGTGTGAGTATATATAGTTATTATATATATATTTTTTTGGAATTTTTATTTTTTGXGTTXGAATTAGAGATTTXGGGTTTTAAGAAGTTAAAGTTGAGTTTAGATAGTXGA

SHOX2euF 311 26 57.08 23.08 5 3 12 TTGTTGGTTTAATTTAGGAATAATTG

SHOX2euR 539 24 57.63 33.33 6 0 12 AACCCTTTAAACRACCAACATAAC

Product size:228 CpGs:17 PAIR\_ANY\_COMPL:5 PAIR3'COMPL:0

SHOX2euSF 27 57.59 25.93 4 4 11 7.2 AGGTTTTTTGGATAGWTAGGTAATTTT

GSTP1(1) GSTP1(2)

>chr|11:67350682-67351748 TGCTTGAACCCGAGAGGCGGAGGTTGCAGTGAGCCGCCGAGATCGCGCCACTGCACTCCAGCCTGGGCCACAGCGTGAGACTACGTCATAAAATAAAATAAAATAACACAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAATAAAAAAATAAAATAAAATAAAATAAAATAAAGCAATTTCCTTTCCTCTAAGCGGCCTCCACCCCTCTCCCCTGCCCTGTGAAGCGGGTGTGCAAGCTCCGGGATCGCAGCGGTCTTAGGGAATTTCCCCCCGCGATGTCCCGGCGCGCCAGTTCGCTGCGCACACTTCGCTGCGGTCCTCTTCCTGCTGTCTGTTTACTCCCTAGGCCCCGCTGGGGACCTGGGAAAGAGGGAAAGGCTTCCCCGGCCAGCTGCGCGGCGACTCCGGGGACTCCAGGGCGCCCCTCTGCGGCCGACGCCCGGGGTGCAGCGGCCGCCGGGGCTGGGGCCGGCGGGAGTCCGCGGGACCCTCCAGAAGAGCGGC[CG]GCGCCGTGACTCAGCACTGGGGCGGAGCGGGGCGGGACCACCCTTATAAGGCTCGGAGGCCGCGAGGCCTTCGCTGGAGTTTCGCCGCCGCAGTCTTCGCCACCAGTGAGTACGCGCGGCCCGCGTCCCCGGGGATGGGGCTCAGAGCTCCCAGCATGGGGCCAACCCGCAGCATCAGGCCCGGGCTCCCGGCAGGGCTCCTCGCCCACCTCGAGACCCGGGACGGGGGCCTAGGGGACCCAGGACGTCCCCAGTGCCGTTAGCGGCTTTCAGGGGGCC[CG]GAGCGCCTCGGGGAGGGATGGGACCCCGGGGGCGGGGAGGGGGGGCAGACTGCGCTCACCGCGCCTTGGCATCCTCCCCCGGGCTCCAGCAAACTTTTCTTTGTTCGCTGCAGTGCCGCCCTACACCGTGGTCTATTTCCCAGTTCGAGGTAGGAGCATGTGTCTGGCAGGGAAGGGAGGCAGGGGCTGGGGCTGCAGCCCACAGCCCCTCGCCCACCCGGAGAGATCCGAACCCCCTTATCCCTCCGTCGTGTGGC

### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/5YLE5CqrBV/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/5YLE5CqrBV/seq.txt.fa.masked)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/5YLE5CqrBV/seq.txt.fa.out.txt)

Your Query Sequence Length: 11 67351748 67350682 1067,Hit sequence Length: 1067,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/5YLE5CqrBV/seq.txt.fa.2.cnv.html)

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/5YLE5CqrBV/seq.txt.2.snp.txt)

>Human\_37:Chr11 67350682-67351748 Strand: +  
Tgcttgaacccgagaggcggaggttgcagtgagccgcc[S](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs694746)agatcgcgccactgcactccagcctgggccacagcgtgagactacgtcataaaataaaataaaata[[-/](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs201694293)ac[]](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs201694293)a[[-/](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs199709899)c[]](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs199709899)aaaataaaataaaataaaataaaataaaataaaataaaataaaataaaataaaataaaaaaataaaataaaataaaataaaataaaGCAATTTCCTTTCCTCTAAGCGGCCTCCACCCCTCTCCCCTGCCCTGTGAAGCGG[K](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs17593068)TGTGCAAGCTCCGGGATCGCAGCGGTCTTAGGGAATTTCCCCCCGCGATGTCCCGGCGCGCCAG[[-/](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs11311625)T[]](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs11311625)T[[-/](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs36211087)[M](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs36211088)[]](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs36211087)GCTG[Y](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs36211089)GCACACTTCGCTGCGGTCCTCTTCCTGCTGTCTGTTTACTCCCTAGGCCCCGCTGGGGACCTGGGAAAGAGGGAAAGGCTTCCCCGGCCAG[S](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs8191438)TGCGCGGCGACTCCGGGGACTCCAGGGCGCCCCTCTGCGGCCGACGCCCGGGGTGCAGCGGCCGCCGGGGCTGGGGCCGGCGGGAGTCCGCGGGACCCTCCAGAAGAGCGGC[CG]GCGCCGTGACTCAGCACTGGGGCGGAGCGGGGCGGGACCACCCTTATAAGGCTCGGAGGCCGCGAGGCCTTCGCTGGAGTTTCGCC[R](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs8191439)CCGCAGTCTTCGCCACCAGTGAGTACGCGCGGCCCGCGTCCCCGG[R](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs8191441)GATGGGGCTCAGAGCTCCCAGCATGGGGCCAACCCGCAGCATCAGGCCCGGGCTCCCGGCAGGGCTCCTCGCCCACCTCGAGACCCGGGACGGGGGCCTAGGGGACCCAGGACGTCCCCAGTGCCGTTAGCGGCTTTCAGGGGGCC[CG]GAGCGCCTCGGGGAGGGATGGGACCCCGGGGGCGGGGAG[R](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs1079719)GGGGG[[-/G]](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs8191443)CAG[R](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs1871041)CTGCGCTCACCGCGCCTTGGCATCCTCCCCCGGGCTCCAGCAAA[S](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs4147581)TTTTCTTTGTTCGCTGCAGTGCCGCCCTACACCGTGGTCTATTTCCCAGTTCGAGGTAGGAGCATGTGTCTGGCAGGGAAGGGAGGCAGGGGCTGGGGCTGCAGCCCACAGCCCCTCGCCCACCCGGAGAGATCCGAACCCCCTTATCCCT[Y](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs187789751)CGTCGTGTGGC

unknow :Methylation Sequences:  
GTTTTTATTTTTTTTTTTTGTTTTGTGAAGXGGGTGTGTAAGTTTXGGGATXGTAGXGGTTTTAGGGAATTTTTTTTXGXGATGTTTXGGXGXGTTAGTTXGTTGXGTATATTTXGTTGXGGTTTTTTTTTTGTTGTTTGTTTATTTTTTAGGTTTXGTTGGGGATTTGGGAAAGAGGGAAAGGTTTTTTXGGTTAGTTGXGXGGXGATTTXGGGGATTTTAGGGXGTTTTTTTGXGGTXGAXGTTXGGGGTGTAGXGGTXGTXGGGGTTGGGGTXGGXGGGAGTTXGXGGGATTTTTTAGAAGAGXGGT[XG]GXGTXGTGATTTAGTATTGGGGXGGAGXGGGGXGGGATTATTTTTATAAGGTTXGGAGGTXGXGAGGTTTTXGTTGGAGTTTXGTXGTXGTAGTTTTXGTTATTAGTGAGTAXGXGXGGTTXGXGTTTTXGGGGATGGGGTTTAGAGTTTTTAGTATGGGGTTAATTXGTAGTATTAGGTTXGGGTTTTXGGTAGGGTTTTTXGTTTATTTXGAGATTXGGGAXGGGGGTTTAGGGGATTTAGGAXGTTTTTAGTGTXGTTAGXGGTTTTTAGGGGGTT[XG]GAGXGTTTXGGGGAGGGATGGGATTTXGGGGGXGGGGAGGGGGGGTAGATTGXGTTTATXGXGTTTTGGTATTTTTTTTXGGGTTTTAGTAAATTTTTTTTTGTTXGTTGTAGTGTXGTTTTATATXGTGGTTTATTTTTTAGTTXGAGGTAGGAGTATGTGTTTGGTAGGGAAGGGAGGTAGGGGTTGGGGTTGTAGTTTATAGTTTTTXGTTTATTXGGAGAGATTXGAATTTTTTTATTTTTTXGTXGTGTGGT

PRIMER Start Size Tm GC% PAIR\_ANY\_COMPL PAIR3'COMPL REPEAT Sequence

GSTP1(1)F 169 21 57.82 38.10 4 1 12 GGAAAGAGGGAAAGGTTTTTT

GSTP1(1)R 479 27 56.59 25.93 4 2 12 AATTAACCCCATACTAAAAACTCTAAA

Product size:310 CpGs:38 PAIR\_ANY\_COMPL:3 PAIR3'COMPL:0

GSTP1(1)SF 22 62.80 45.45 4 2 11 11.1 YGGGATTTTTTAGAAGAGYGGT

GSTP1(2)F 19 57.34 52.63 2 0 10 7.5 GGGGTTTAGGGGATTTAGG

GSTP1(2)R 23 57.70 43.48 2 2 11 7.2 TCCCTACCAAACACATACTCCTA

Product size:229

GSTP1(2)SF 21 56.27 42.86 2 0 12 9.4 GTTAGYGGTTTTTAGGGGGTT

MGMT(1) MGMT(2)

>chr|10:131265013-131266085 CTACGACCCCCGCGCGCTTTCAGGACCACTCGGGCACGTGGCAGGTCGCTTGCACGCCCGCGGACTATCCCTGTGACAGGAAAAGGTACGGGCCATTTGGCAAACTAAGGCACAGAGCCTCAGGCGGAAGCTGGGAAGGCGCCGCCCGGCTTGTACCGGCCGAAGGGCCATCCGGGTCAGGCGCACAGGGCAGCGGCGCTGCCGGAGGACCAGGGCCGGCGTGCCGGCGTCCAGCGAGGATGCGCAGACTGCCTCAGGCCCGGCGCCGCCGCACAGGGCATGCGCCGACCCGGTCGGGCGGGAACACCCCGCCCCTCCCGGGCTCCGCCCCAGCTCCGCCCCCGCGCGCCCCGGCCCCGCCCCCGCGCGCTCTCTTGCTTTTCTCAGGTCCTCGGCTCCGCCCCGCTCTAGACCCCGCCCCACGCCGCCATCCC[CG]TGCCCCTCGGCCCCGCCCCCGCGCCCCGGATATGCTGGGACAGCCCGCGCCCCTAGAACGCTTTGCGTCCCGACGCCCGCAGGTCCTCGCGGTGCGCACCGTTTGCGACTTGGTGAGTGTCTGGGT[CG]CCTCGCTCCCGGAAGAGTGCGGAGCTCTCCCTCGGGACGGTGGCAGCCTCGAGTGGTCCTGCAGGCGCCCTCACTTCGCCGTCGGGTGTGGGGCCGCCCTGACCCCCACCCATCCCGGGCGAGCTCCAGGTGCGCCCCAAGTGCCTCCCAGGTGTTGCCCAGCCTTTCCCCGGGCCTGGGGTTCCTGGACTAGGCTGCGCTGCAGTGACTGTGGACTGGCGTGTGGCGGGGGTCGTGGCAGCCCCTGCCTTACCTCTAGGTGCCAGCCCCAGGCCCGGGCCCCGGGTTCTTCCTACCCTTCCATGCTGCCAGCTTTCCCTCCGCCAGCTGCTCCAGGAAGCTTCCAGAAGCCCCTGCGCGGGCCTTGGCTTGCAGCAACCCTTTAGCATACTTAGGCAGAGTCCCATATTTCCTTCCTGCTGGAGGCCAAGTTCTAGGGGCCTTCTGGTTACTATGGCTGGTGTTTGTGTACATCATACCCTAACTGTATTCATCAACACTTAGAGTAA

### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/gY0jTmCzoL/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/gY0jTmCzoL/seq.txt.fa.masked)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/gY0jTmCzoL/seq.txt.fa.out.txt)

Your Query Sequence Length: 10 131266085 131265013 1073,Hit sequence Length: 1073,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/gY0jTmCzoL/seq.txt.fa.2.cnv.html)

No CNV was found in the given sequence

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/gY0jTmCzoL/seq.txt.2.snp.txt)

>Human\_37:Chr10 131265013-131266085 Strand: +  
CTACGACCCCCGCGCGCTTTCAGGACCACTCGGGCACGTGGCAGGTCGCTTGCACGCCCGCGGACTATCCCTGTGACAGGAAAAGGTACGGGCCATTTGGCAAACTAAGGCACAGAGCCTCAGGCGGAAGCTGGGAAGGCGCCGCCCGGCTTGTACCGGCCGAAGGGCCATCCGGGTCAGGCGCACAGGGCAGCGGCGCTGCCGGAGGAC[M](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs34138162)AGGGCCGGCGTGCCGGCGTCCAGCGAGGATGCGCAGACTGCCTCAGGCCCGGCGCCGCCGCAC[W](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs1623007)GGGCATGCGCCGACCCGGTCGGGCGGGAACAccccgcccc[K](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs2782888)cccgggctccgccccagctccgcccccgcgcgccccggccccgcccccgcgcgctctct[W](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs181536588)gcttttctcaggtcctcggctccgccccgctctagaccccgccccacgccgccatccc[cg]tgcccctcggccccgcccccgcgcccCGGATATGCTGGGACAGCCCGCGCCCCTAGAACGCTTTGCGTCCCGACGCCCGCAGGTCCTCGCGGTGCG[Y](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs16906252)ACCGTTTGCGACTTGGTGAGTGTCTGGGT[CG]CCTCGCTCCCGGAAGAGTGCGGAGCTCTCCCTCGGGACGGTGGCAGCCTCGAGTGGTCCTGCAGGCGCCCTCACTTCGCCGTCGGGTG[K](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs16906255)GGGGCCGCCCTGAC[M](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs149452540)CCCACCCATCCCGGGCGAGCTCCAGGTGCGCCCCAAGTGCCTCCCAGGTGTTGCCCAGCCTTTCCCCGGGCCTGGGGTTCCTGGACTAGGCTGCGCTGCAGTGACTGTGGACTGGCGTGTGGCGGGGGTCGTGGCAGCCCCTGCCTTACCTCTAGGTGCCAGCCCCAGGCC[YGGGCCCCGGGTTCTTCCTACCCTTCCATGCTGCCAGCTTTCCCTCCGCCAGCTGCTCCAGGAAGCTTCCAGAAGCCCCTGCGCGGGCCTTGGCTTGCAGCAACCCTTTAGCATACTTAGGCAGAGTCCCATATTTCCTTCCTGCTGGAGGCCAAGTTCTAGGGGCCTTCTGGTTACTATGGCTGGTGTTTGTGTACATCATACCCTAACTGTATTCATCAACACTTAGAGTAA](http://www.ncbi.nlm.nih.gov/SNP/snp_ref.cgi?rs=rs12356501)

unknow :Methylation Sequences:  
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MGMTF 24 57.09 25.00 2 1 15 5.7 GTTTTTTTYGGGTTTYGTTTTAGT

MGMTR 24 57.52 37.50 2 0 16 7.2 CTACAAAACCACTCRAAACTACCA

Product size:318

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MGMT(2)SF 20 57.32 45.00 2 0 10 9.4 GATTTGGTGAGTGTTTGGGT

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### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/Rrg8r3d3P9/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/Rrg8r3d3P9/seq.txt.fa.masked)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/Rrg8r3d3P9/seq.txt.fa.out.txt)

Your Query Sequence Length: 17 75370106 75369063 1044,Hit sequence Length: 1044,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/Rrg8r3d3P9/seq.txt.fa.2.cnv.html)

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/Rrg8r3d3P9/seq.txt.2.snp.txt)

>Human\_37:Chr17 75369063-75370106 Strand: +  
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unknow :Methylation Sequences:  
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SEPT9(138)R 593 18 56.52 50.00 0 0 12 AACAACCAACCCAACACC

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### TITLE: Unknow [Download result file](http://192.168.0.10:8080/variant/v7/file/WaTt6nVQ8L/result.rar)

1)[Input File With Repetitive Sequence Masked](http://192.168.0.10:8080/variant/v7/file/WaTt6nVQ8L/seq.txt.fa)

2) Sequence Mapping to Human Genome: [Check Blast Result](http://192.168.0.10:8080/variant/v7/file/WaTt6nVQ8L/seq.txt.fa.out.txt)

Your Query Sequence Length: 17 75448194 75447125 1070,Hit sequence Length: 1070,Mismatch:0,Gaps:0,Similar:100%;

3)CNV Report [Check The Tesult](http://192.168.0.10:8080/variant/v7/file/WaTt6nVQ8L/seq.txt.fa.2.cnv.html)

4)Mapped Genome Sequence with SNP,Repetitive Sequence and Predicted STR Masked

[Check All SNPs](http://192.168.0.10:8080/variant/v7/file/WaTt6nVQ8L/seq.txt.2.snp.txt)

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unknow :Methylation Sequences:  
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SEPT9(35)R 23 58.14 39.13 2 0 11 6.7 ACCACACAAAACCCTATTCTTCT

Product size:253

SEPT9(35)SF 18 58.24 50.00 2 0 11 9.4 TYGGGGGTTTTTAGGTGG

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>Human\_37:Chr3 157820583-157820960 Strand: -  
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unknow :Methylation Sequences:  
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SHOX2cnF 27 57.33 25.93 6 0 11 6.4 GATAAATTTGGTAATAGGATTTGTTGT

SHOX2cnR 24 56.35 29.17 3 1 11 5.7 ATCTTTCAACTCCRAAAACACTAA

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SEPT9(80)

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>Human\_37:Chr17 75277246-75277683 Strand: +  
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unknow :Methylation Sequences:  
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SEPT9(80)F 21 60.40 52.38 4 4 11 5.3 GGTTAGGGGYGGGATTATAGT

SEPT9(80)R 23 59.19 39.13 2 0 12 9.4 TCTAAAATACACCRACCRAACCC

SEPT9(80)SR 18 72.17 77.78 2 0 10 12.4 CCAACCRAACCCCRCCCC

Line-1(2)- Line-1(3)

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unknow :Methylation Sequences:  
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Line-1(2)- Line-1(3)F 30 57.09 30.00 3 0 14 5.7 GTTTATTTTATTAGGGAGTGTTAGATAGTG

Line-1(2)- Line-1(3)R 28 57.86 28.57 4 4 12 6.6 CCTCCTAACCAAATACAAAATATAATCT

Line-1(2)SF 25 59.28 36.00 2 0 11 8.2 GYGAGGTATTGTTTTATTTGGGAAG

Line-1(3)SF 24 59.14 20.83 4 1 13 6.2 TTGGAAAATYGGGTTTTTTTTATT