

**TinCYP51B locus in TIMM20121**

[Read No.m64281e\_230311\_112734/112723290/ccs] [Sense (+) strand]

~TAT (Upstream sequence of the 7374 block)

AAT~ACC (5'UTR)

ATG~TAG (*chkB* protein kinase genomic DNA) (Forward sequence)

ATG~TGA (*TinCYP51B* gene) (Forward sequence)

TAA~GCT (3'UTR)

CTA~CAT (*FYV4* genomic DNA) (Reverse sequence)

CAAACACATTCTACTTGCATATTTGGCTGGCGAGAGGCTCAAGTTGTGAAGAGAAATAATAGGTATTACGATG  
CATCTTTGGTTAGATTTCAATCTTAAAGGCCGGCCTAGCTAGTTAGTTAATTGGGAGTTTGATGGCCATGAC  
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[Read No.m64281e\_230311\_112734/100860170/ccs] [Sense (+) strand]

AAT~ACC (5'UTR)

ATG~TAG (*chkB* protein kinase genomic DNA) (Forward sequence)

ATG~TGA (*TinCYP51B* gene) (Forward sequence)

TAA~GCT (3'UTR)

CTA~CAT (*FYV4* genomic DNA) (Reverse sequence)

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[Read No.m64281e\_230311\_112734/178194669/ccs] [Antisense (-) strand]

GGT~ATT (5'UTR)

CTA~CAT (*chkB* protein kinase genomic DNA) (Reverse sequence)

TCA~CAT (*TinCYP51B* gene) (Reverse sequence)

AGC~TTA (3'UTR)

ATG~TAG (*FYV4* genomic DNA) (Forward sequence)

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GGCTGAGCTTCGAGA

[Read No.m64281e\_230311\_112734/128582552/ccs] [Antisense (-) strand]

GGT~ATT (5'UTR)

CTA~CAT (*chkB* protein kinase genomic DNA) (Reverse sequence)

TCA~CAT (*TinCYP51B* gene) (Reverse sequence)

AGC~TTA (3'UTR)

ATG~TAG (*FYV4* genomic DNA) (Forward sequence)

~ACG (Downstream sequence of the 7374 block)

GCTCTCTTAACCAACTTCCTGAGGATCCTACCATAGTTGCTGTTGGATTTCAAGAGATTGTTGAGCTTAGCCC  
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**TTCTTTGGACACCCTCAGGCCACCGATGGCCCCGGCTAGGTCATCGGTGCTGTCTGCCACCCTAGGCTCATCG**  
**GGTTCGATGCCAGTGATCCATGGGTGCTGGAGACACTCATCTACTTTCAAACGCTCCTTCACGTGACTTTCGA**  
**TCATGGAGTCGATAAGGTCCATGGCTCTATAATCGATTGAGTCCAGTATGGAAGAGGATACTTAAATATTCC**  
**GAGCTGGATCTGCTCTTTCTGAGTGTATGGTAGTCTCTTGGGTGGTACAGTTCATCTGAGAAAGGAGGGAAT**  
**CCGCACAGGCAGATGTAGAGTACCCTCCGAGTGACCAGATGTCAACCGCTCGGGTGTACATTCTGGCTTCAG**  
**CGTTTTCTGCCAGTATCTCAGGAGCAACATCTGATAAGAATTGTTAGATTCACATTTGGTGGATGAAAGCACC**  
**AGCGTTAACAGAGCAGCAGGGAACTTACAGCCAGGCGTTCACATCTAGATTTTATGATCTCTTAGTAAGAT**  
**TGACCCAGATTTGAACGCAGAAGGTAGGTGAACTTACAGCGTGGTGGTAAAGGAGTGTTCGCCGACAATCTT**  
**TGCAAGGCCGAAGTCTGCTAATTTTACGGTAAGATCTTTGTCGACAACCAGAATGTTCTCTGGCTTTATGTCA**  
**CGGTGAATGATGTTTCGTTTCATGCTACGACAACGGTTAGCCATATACACTGCCATGAGTCTGATCAACCAGAA**  
**AACGAACGACATAACCAGGTATCTCAAACCTTCAAAAAGCTGAATGAATACTTTTCGAGTCTCCTCCTCGCTGA**  
**GTTTCTGATGCCTAATGATCCAGTTGAACAGTTTCGCCCTCTGGCGCAAGCTCAAGAATCAGGAAGACACCATC**  
**GCTCTCGTCAAAGGTATCCTTTAGGCACAGCATGTTTCGGATGGTTGACACTCATCAGCATTGAAATCTCTTGC**  
**TGTAGTGCTTCACGGTCTAGCCTCTGAACTGCGCCCCGGGCGTTTTCTCGAAATGTTTGACGGCATACTTGATCC**  
**CCGTAGAACGTTTCAGCGCATAGATAAACCGAGGCAAAGTGTCCCCTACCCAGCATATCAAAGAGCTTATACTG**  
**CTGTCCGAACTTGCTTGTGTTCCGACTCCGCGGGTAGTTGAAGATGAATCTGGATTCTTGCAGGATGGTAATC**  
**TCGTCCGCGTTTTTCGAGCTCTCGGCGTTTTGTTCTTGGCGATGATGGCGTCGTTGATGAAAGTGCCATTGATAG**  
**AGAGATCTTCCACAATTGCAACAAAGTCTCCTCCCTGTTTTCTGTTGGAATATCAGGCAATGGCGGTTGGATATC**  
**GTGGGGAGCTTGATCCTGAAATCTGCAGTACCAGATGGTTAGCAATTGATCACTAGACGGCAGAGAGTATGC**  
**AATGGGTAAAGGCATACCGCACTCTGCATGCCGCTATAAGATATCCAGCGCGGTTTATCTCTCTAGTTCCAC**  
**GTTTTGAGGCGTTGCTTTCCGGCGTTGATATGTCTGATGCTGCTCCAATTACCGGTGTAGTATTTGTGCTGTC**  
**CCGCTTCTTCCAGAACCAATTGGCCTCCAAAATTGTTATCTAGCGGAGTAAGATATCCCCATATGCCCTGGGCC**  
**ACCTCGTCTTCCACATCGTCAATGGATTGGATTGGGGGATACTGAGAGAAACCCTGGGTGGGACATGACGACT**  
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**CGAGGAGATCTCCGTGGCTTCTTTGATTTCATGGTCTGGAGCTGCGTTGCCCTGCAGGTTGGGAAAAGAAGTT**  
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