The role of CYP3A4 mRNA transcript with shortened 3'-UTR in hepatocyte differentiation, liver development, and response to drug induction

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Molecular Pharmacology

Side by Side Alignment

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Sequence of 3'RACE product 00000001 tatttccaccaccccccagttagcaccattaactcctcctgagctctgata 00000050
                           <<<<<<<< ||||||||||||||||||||||||||||||||||||||||||||||||||| <<<<<<<<
Human reference genome     99355503 tatttccaccaccccccagttagcaccattaactcctcctgagctctgata 99355454

Sequence of 3'RACE product 00000051 agagaatcaacatttctcaataatttcctccacaaattattaatgaaaat 00000100
                           <<<<<<<< ||||||||||||||||||||||||||||||||||||||||||||||||||| <<<<<<<<
Human reference genome     99355453 agagaatcaacatttctcaataatttcctccacaaattattaatgaaaat 99355404

Sequence of 3'RACE product 00000101 aagaattattttgatggctctaacaatgacatttatatcacatgttttct 00000150
                           <<<<<<<< ||||||||||||||||||||||||||||||||||||||||||||||||||| <<<<<<<<
Human reference genome     99355403 aagaattattttgatggctctaacaatgacatttatatcacatgttttct 99355354

Sequence of 3'RACE product 00000151 ctggagtattctataagttttatgttaaatcaataaagaccactttacaa 00000200
                           <<<<<<<< ||||||||||||||||||||||||||||||||||||||||||||||||||| <<<<<<<<
Human reference genome     99355353 ctggagtattctataagttttatgttaaatcaataaagaccactttacaa 99355304

Sequence of 3'RACE product 00000201 aaaaaaaaaaaaaaaaa
                           <<<<<<<< ||
Human reference genome     99355303 aa 99355302
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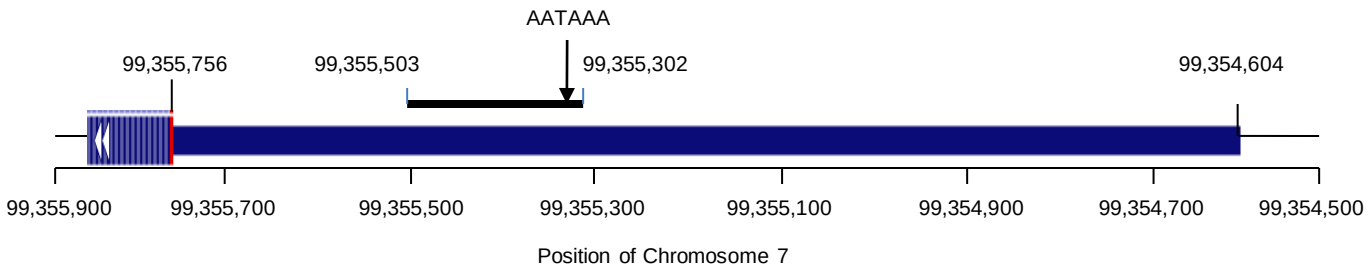

Supplemental Fig. 2B. Alignment of the sequence of the 3'RACE-PCR product to human genome with perfect match to the shorter 3'-UTR of the *CYP3A4* gene.