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

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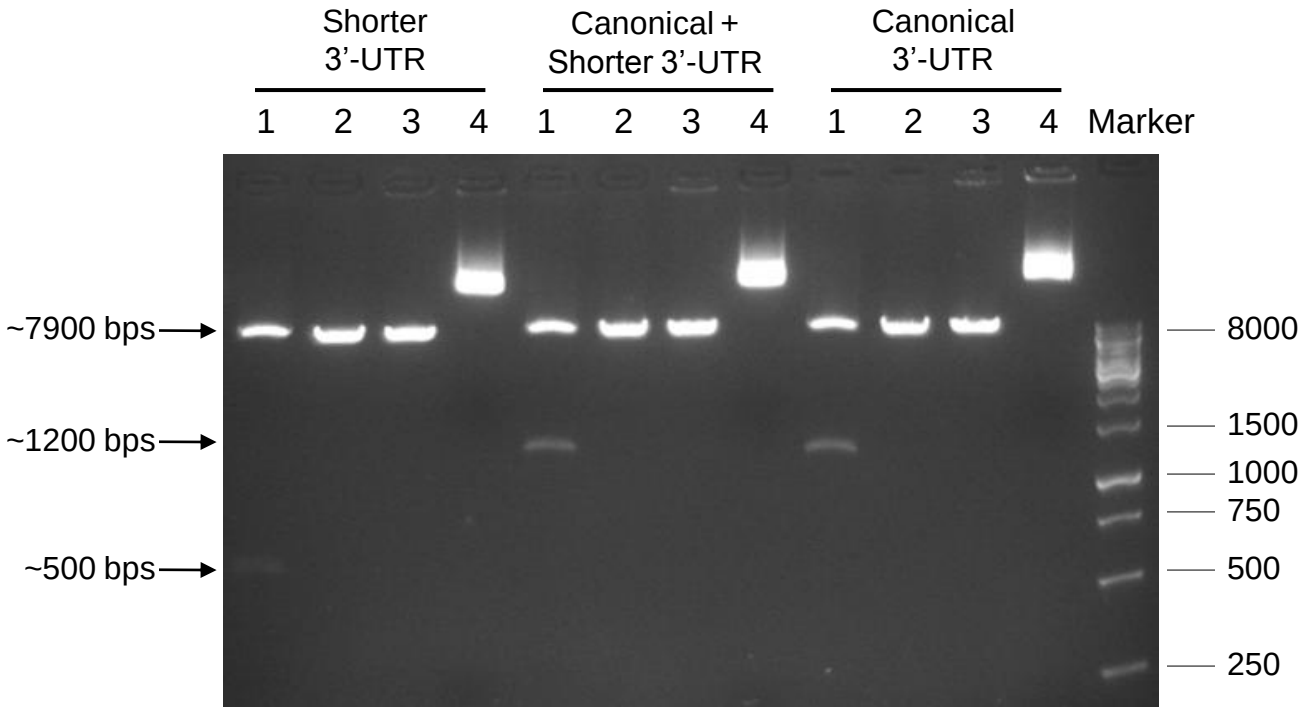
Molecular Pharmacology



Supplemental Fig. 3. Validation of transfection plasmids inserted with different CYP3A4 3'-UTR sequences into pMirTarget vector (7.9 kb) by gel images.

Canonical + Shorter 3'-UTR: full length 3'UTR with a proximal sequence AATAAA;
Canonical 3'UTR: full length 3'-UTR with the mutation of proximal sequence AATAAA to ACGCAA.
1. Constructed plasmids sequentially digested by EcoRI and XbaI;
2. Constructed plasmids digested by XbaI;
3. Constructed plasmids digested by EcoRI;
4. Constructed plasmids without any digestion.