ABSTRACT

Provided are compositions related to *HSD17B13* variants, including isolated nucleic acids and proteins related to variants of *HSD17B13*, and cells comprising those nucleic acids and proteins. Also provided are methods related to *HSD17B13* variants. Such methods include methods for modifying a cell through use of any combination of nuclease agents, exogenous donor sequences, transcriptional activators, transcriptional repressors, and expression vectors for expressing a recombinant *HSD17B13* gene or a nucleic acid encoding an HSD17B13 protein. Also provided are therapeutic and prophylactic methods for treating a subject having or at risk of developing chronic liver disease.

[Figure 17A]