SUPPLEMENTARY MATERIAL 1

For whole exome sequencing: Genomic DNA was extracted from leukocytes of patient's peripheral blood using standard protocol (GeneAll, Korea). Total DNA concentration was determined by Qubit dsDNA BR Assay kit (ThermoFisher Scientific, Waltham, Massachusetts, USA). Paired-end sequencing was carried on the NovaSeq platform (Illumina, San Diego, California, USA) following the manufacturer's instructions. The mean exome coverage was more than 100× and each target base having at least 20× coverage.

For sanger sequencing, ABI Prism BigDye Terminator Cycle Sequencing kit V3.1 was used (Applied BioSystem, Waltham, Massachusetts, USA), on an ABI genetic analyzer 3500 (Applied Biosystems, Waltham, Massachusetts, USA). The primer sequences used for PCR and sequencing were as follows:

*CYP3A5**3-F: CTTGCAGCATTTAGTCCTTGTGA

*CYP3A5**3-R: CTGATCACGTCGGGATCTGTGA

ANKK1-F: GGAGCACCTTCCTGAGTGTC

ANKK1-R: ATCTCGGCTCCTGGCTTAG

All primers were provided by PHUSA Biochem Company (Can Tho, Vietnam).