

## ANALYSIS OF GLOBAL AND ADME GENE EXPRESSION IN THE PROGRESSIVE STAGES OF HUMAN NON-ALCOHOLIC FATTY LIVER DISEASE

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Drug Metabolism and Disposition

### Supplemental Data Table 2.

Drug Metabolizing Enzyme Differential Gene Expression.

Differentially Expressed Drug Metabolizing Enzymes (DMEs) in Human NAFLD.

(0 = No Change, 1 = Upregulation, -1 = Downregulation).

DME	ENTREZ ID	NORMAL-STEATOSIS	STEATOSIS-NASH	NORMAL-NASH
SULT1C4	27233	0	1	1
MTR	4548	0	1	1
PAPSS2	9060	0	-1	-1
CYP4F11	57834	0	-1	-1
ALDH4A1	8659	0	-1	-1
AOX1	316	0	-1	-1
UGCG	7357	0	1	1
CYP2E1	1571	0	-1	-1
GPX2	2877	0	-1	-1
HGSNAT	138050	0	1	1
FMO2	2327	0	1	1
NNMT	4837	0	-1	-1
SULT1C2	6819	0	1	1
HSD17B10	3028	0	-1	-1
LOX	4015	0	1	1
GGT5	2687	0	1	1
GSTP1	2950	0	1	1
PAPSS1	9061	0	1	1
MTRR	4552	0	-1	-1
CYP3A7	1551	0	1	1
GCKR	2646	0	-1	-1
CYP7B1	9420	0	1	1
PTGS2	5743	0	1	1
CYP21A2	1589	0	-1	-1
CYP21A2	1589	0	-1	-1
CYP21A2	1589	0	-1	-1
HSD17B4	3295	0	-1	-1
ALDH8A1	64577	0	-1	-1

MAOA	4128	0	-1	-1
GCLM	2730	1	0	1
NAT12	122830	0	-1	-1
HNMT	3176	0	0	1
CYP51A1	1595	0	0	-1
UCHL3	7347	0	-1	-1
UGT2B4	7363	0	-1	-1
GPI	2821	1	-1	0
ALDH1A3	220	0	1	1
CYB5R3	1727	0	0	-1
HSD3B2	3284	0	0	-1
BLVRA	644	0	1	1
GZMA	3001	0	1	1
UGT2B10	7365	0	1	1
CES1	1066	0	-1	-1
ALDH1A1	216	0	1	1
AOC2	314	0	0	-1
TNRC6B	23112	0	0	1
NAT2	10	0	-1	-1
CYP2W1	54905	0	0	-1
CES4	51716	0	-1	-1
GSTM2	2946	0	1	1
MT2A	4502	0	-1	-1
MT2A	4502	0	-1	-1
PKM2	5315	0	0	1
GPX1	2876	0	0	-1
ADSL	158	0	-1	0
CYP11A1	1583	0	1	0
GSTM5	2949	0	1	0
CEL	1056	0	0	-1
CYP26C1	340665	-1	0	-1
PON3	5446	0	0	-1
NAT8	9027	0	1	1
BAAT	570	0	0	1
HYAL3	8372	0	0	-1
PON2	5445	0	-1	-1
ADH6	130	0	0	-1
DHRS2	10202	0	0	-1
ALDH2	217	0	-1	-1
AOC3	8639	0	0	0
GNPNAT1	64841	0	-1	0

SRD5A2	6716	0	-1	0
CYP1B1	1545	0	0	1
MAT2B	27430	0	0	1
CYP27B1	1594	0	0	-1
DPYD	1806	0	-1	0
MAK10	60560	0	0	0
UGT2B11	10720	0	1	0
CYP2D7P1	1564	0	0	-1
BLVRB	645	0	0	-1
CYP1A2	1544	0	0	-1
NAT13	80218	0	-1	0
CYP26B1	56603	0	0	-1
CYP2D6	1565	0	0	-1
ALOX15	246	0	0	-1
GSTTP1	25774	0	0	-1
B3GAT1	27087	0	0	-1
FBP1	2203	0	1	0
GSTTP1	25774	0	0	-1
GSTZ1	2954	0	0	-1
CYP27A1	1593	0	0	-1
GGT3P	2679	0	0	-1
NAT10	55226	0	-1	0
CYP2A6	1548	0	0	1
NQO1	1728	0	0	1
PNMT	5409	0	0	-1