

**Table S3. Stage-specific and overlapping enriched genes in zebrafish liver hyperplasia and carcinoma.** By comparing the enriched genes (supplementary material Table S2) between hyperplasia and carcinoma, we obtained stage-specific and overlapping enriched genes which were similarly regulated in both stages. The gene symbol and gene name of each gene (human homologue) are shown.

ACSL5	Acyl-CoA synthetase long-chain family member 5
ADSSL1	Adenylosuccinate synthase like 1
APOA4	Apolipoprotein A-IV
AVP	Arginine vasopressin
C3orf31	Chromosome 3 open reading frame 31
CAB39	Calcium binding protein 39
CALCB	Calcitonin-related polypeptide beta
CAMK2A	Calcium/calmodulin-dependent protein kinase II alpha
CDO1	Cysteine dioxygenase, type I
CEL	Carboxyl ester lipase (bile salt-stimulated lipase)
COX17	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)
CTBP1	C-terminal binding protein 1
CUL5	Cullin 5
CYP2J2	Cytochrome P450, family 2, subfamily J, polypeptide 2
DDB1	Damage-specific DNA binding protein 1, 127kDa
DRD2	Dopamine receptor D2
DUSP5	Dual specificity phosphatase 5
DUSP6	Dual specificity phosphatase 6
EDF1	Endothelial differentiation-related factor 1
ESR2	Estrogen receptor 2 (ER beta)
F10	Coagulation factor X
F2	Coagulation factor II (thrombin)
F7	Coagulation factor VII (serum prothrombin conversion accelerator)
F9	Coagulation factor IX
FABP2	Fatty acid binding protein 2, intestinal
FGD1	FYVE, RhoGEF and PH domain containing 1
FZD8	Frizzled homolog 8 (Drosophila)
GADD45A	Growth arrest and DNA-damage-inducible, alpha
GDA	Guanine deaminase
GK	Glycerol kinase
GNG12	Guanine nucleotide binding protein (G protein), gamma 12
HIRA	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)
HSBP1	Heat shock factor binding protein 1
JUNB	Jun B proto-oncogene
KIN	KIN, antigenic determinant of recA protein homolog (mouse)
LDB1	LIM domain binding 1
LIPA	Lipase A, lysosomal acid, cholesterol esterase
LIPC	Lipase, hepatic
MAFA	v-Maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian)
MAP3K12	Mitogen-activated protein kinase kinase kinase 12
MAPT	Microtubule-associated protein tau
MDFIC	MyoD family inhibitor domain containing
MGST1	Microsomal glutathione S-transferase 1
MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)
MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
MSH6	MutS homolog 6 (E. coli)
MTF1	Metal-regulatory transcription factor 1
MTTP	Microsomal triglyceride transfer protein
NARG1	N(alpha)-acetyltransferase 15, NatA auxiliary subunit
NFIL3	Nuclear factor, interleukin 3 regulated
NFKB2	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
NFYA	Nuclear transcription factor Y, alpha
NKX2-5	NK2 transcription factor related, locus 5 (Drosophila)
NMI	N-myc (and STAT) interactor
NR2F2	Nuclear receptor subfamily 2, group F, member 2

