

cpt 1α1a

TILAPIA

cpt 1α1a

ZEBRAFISH
CHR. 25

CPT 1A

Human
CHR. 11

Scaffold GL831142.1

phlda2

cpt 1α1a

spty2d1

tsg101a

ldlrad3

pamr1

pdhx

irrc4ca

rag2

myrf

myrf

rag2

irrc4ca

phlda2

cpt 1α1a

spty2d1

tsg101a

ldlrad3

pamr1

pdhx

PHLDA2

SPTY2D1

TSG101

PDHX

PAMR1

LDLRAD3

RAG2

IRRC4C

MYRF

CPT 1A

cpt 1β

TILAPIA

cpt 1β

ZEBRAFISH
CHR. 18

CPT 1β

Human
CHR. 22

chkb

mapk8ip2

arsa

shank3a

rabl2

ppp6r2b

adm2b

miox

lmf2a

cpt 1β

lmf2a

miox

adm2b

ppp6r2b

rabl2

shank3a

arsa

mapk8ip2

chkb

cpt 1β

PPP6R2

ADM2

MIOX

LMF2

CPT 1β

CHKB

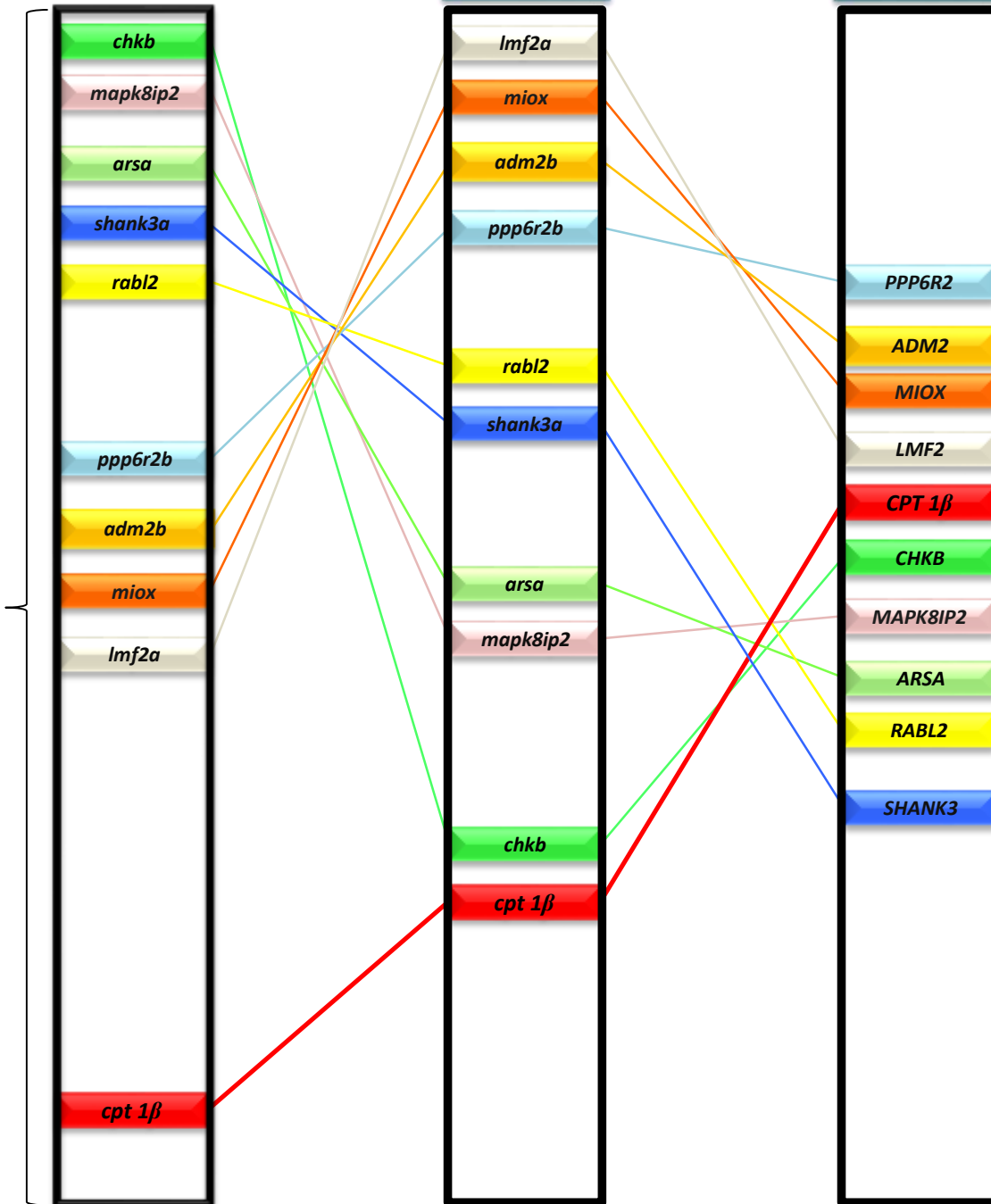
MAPK8IP2

ARSA

RABL2

SHANK3

Scaffold GL831142.1



cpt 1α2a

TILAPIA

cpt 1α2a

ZEBRAFISH
CHR. 24

cpt 1α2b

ZEBRAFISH
CHR. 3

cpt 1α2b

TILAPIA

Scaffold GL831136.1

Scaffold GL831179.1

cpt 1α2a

ptprh

kcnc3b

mybpc2b

mss51

nog2

nup2

stub1

telo

nlrc3

stub1

nup2

mss51

nog2

mybpc2b

telo

nlrc3

kcnc3b

cpt 1α2a

ptprh

prpsap2

traf7

thraa

pih1d1

cpt 1α2b

syt5a

nat15

eci1

cyb561

nfxb

nfxb

traf7

prpsap2

nat15

eci1

syt5a

pih1d1

cpt 1α2b

thraa

cyb561

Supplementary file 5. Conserved gene synteny of the Nile tilapia *cpt 1* genes with *cpt 1/CPT 1* genes from zebrafish and human