

Additional file 1

Title: Supplemental figures

Description: Orthologous relationships between zebrafish and human CYPs, synteny analyses for human CYP2W1-zebrafish CYP2Ks and human CYP2A/B/F/G/S/T-zebrafish CYP2Ys, expression of control genes, and alternatively microarray expression clustering including CAST results and unnormalized hierarchical clustering

Figure S1. Orthologous relationships between zebrafish and human CYP genes

Figure S2. Synteny analysis of zebrafish CYP2K showing relationship to human CYP2W1

Figure S3. Synteny analysis of zebrafish CYP2Y showing relationships to the human CYP2ABFGST cluster

Figure S4. Developmental expression of *beta-actin*, elongation factor 1a (*EF1A*), and *ARNT2* as analyzed by single color microarray

Figure S5. CYP genes clustered by developmental expression patterns

See Additional File 2, Table S2 for genes in each cluster.

Figure S6. Hierarchical clustering of unnormalized CYP gene expression

Figure S1

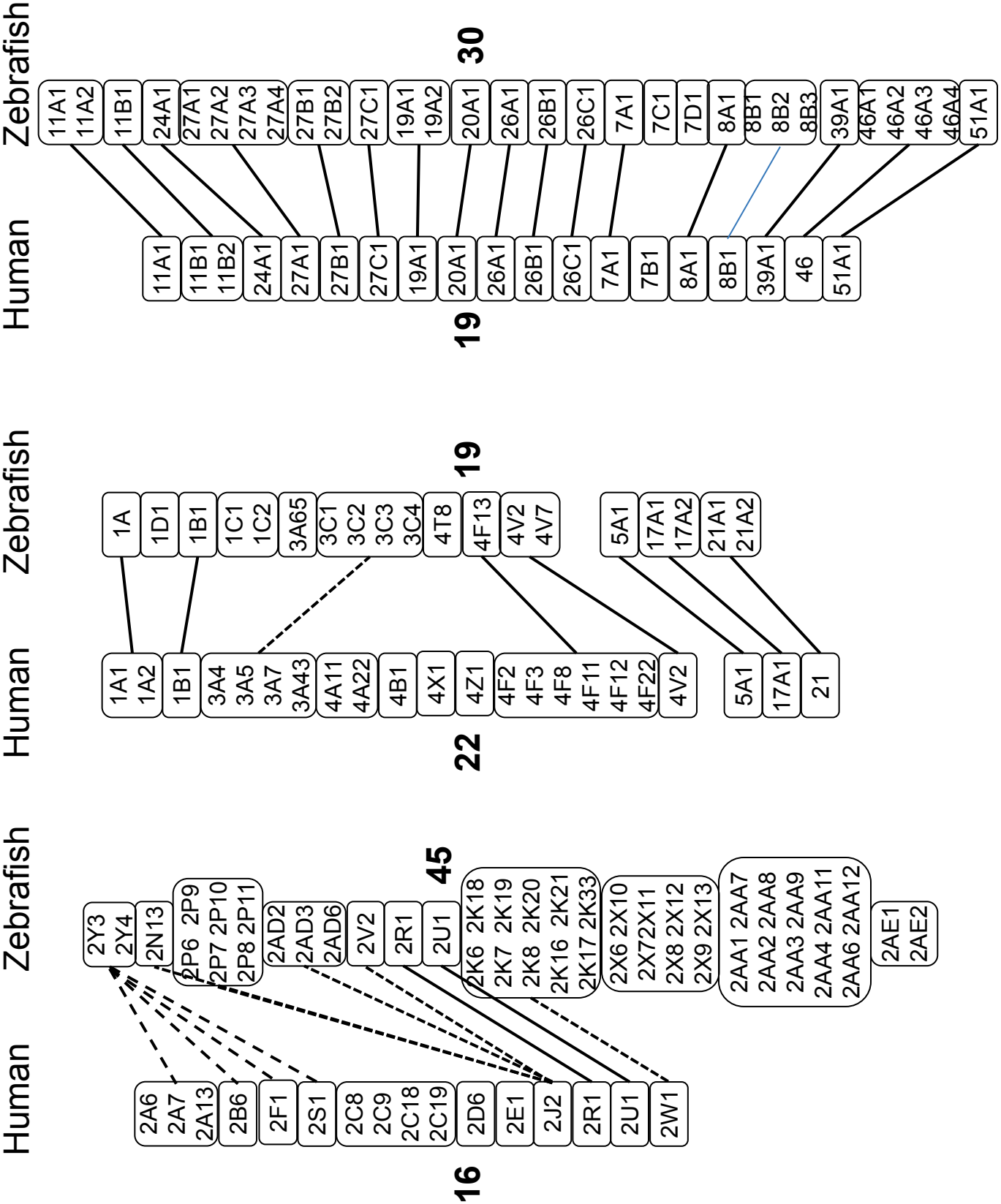


Figure S2

CYP2K comparative synteny

H. sapiens
Chr7 p22.3

Dr Chr 3 41.2 Mb

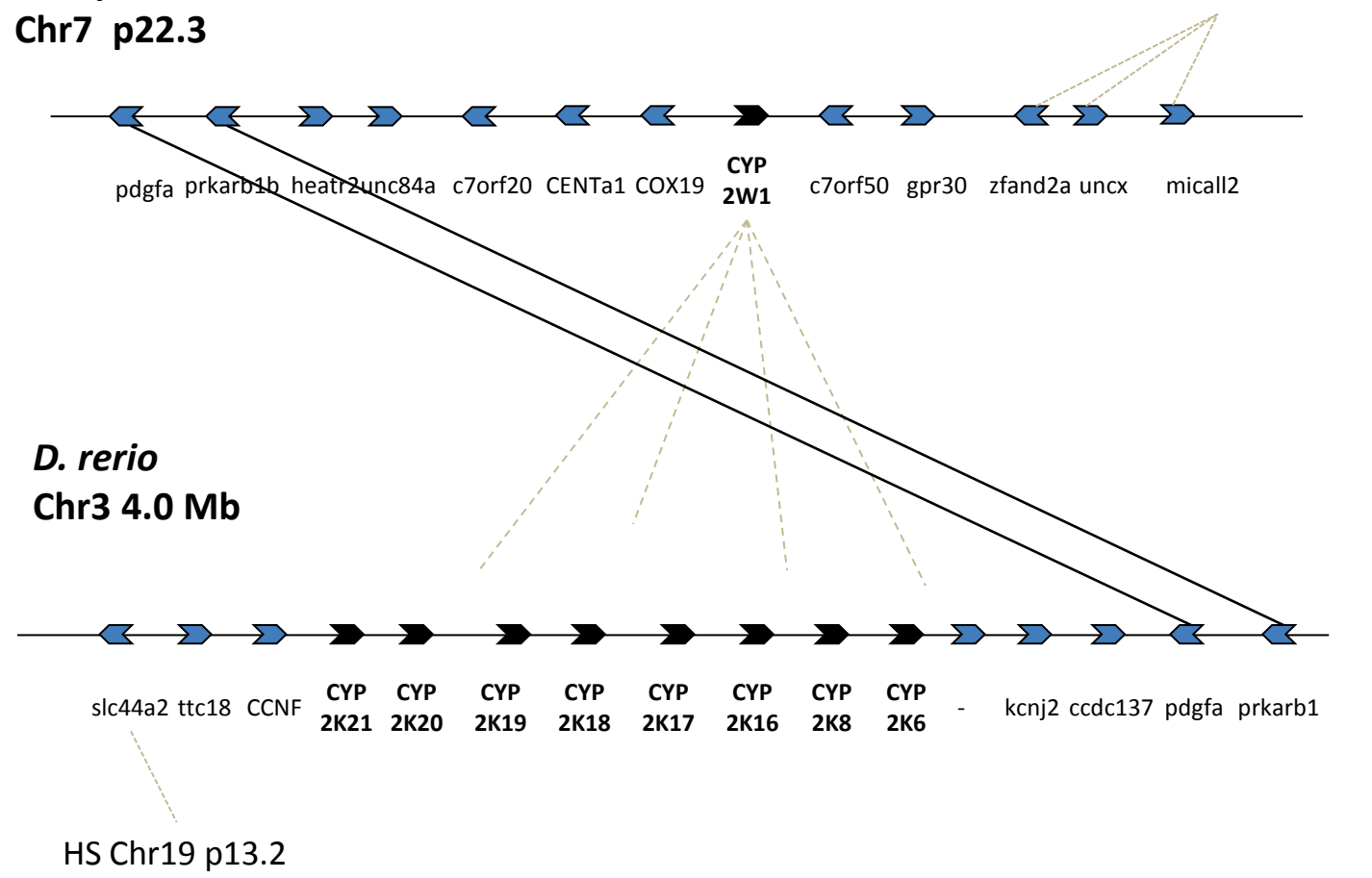


Figure S3

CYP2Y comparative synteny

D. rerio

Chr15 25 kb

H. sapiens

Chr19q13.2

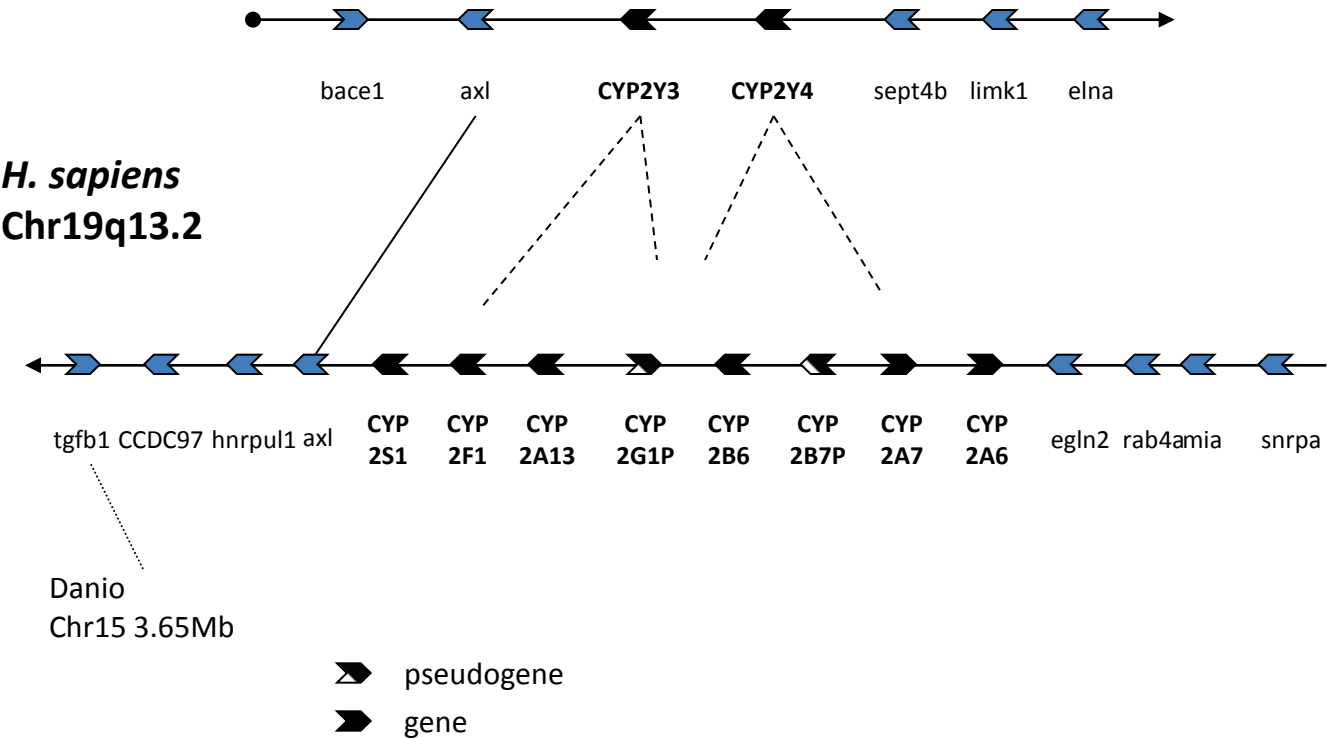


Figure S4

Single color microarray expression of control genes, including ARNT2, b-ACTIN and EF1A.

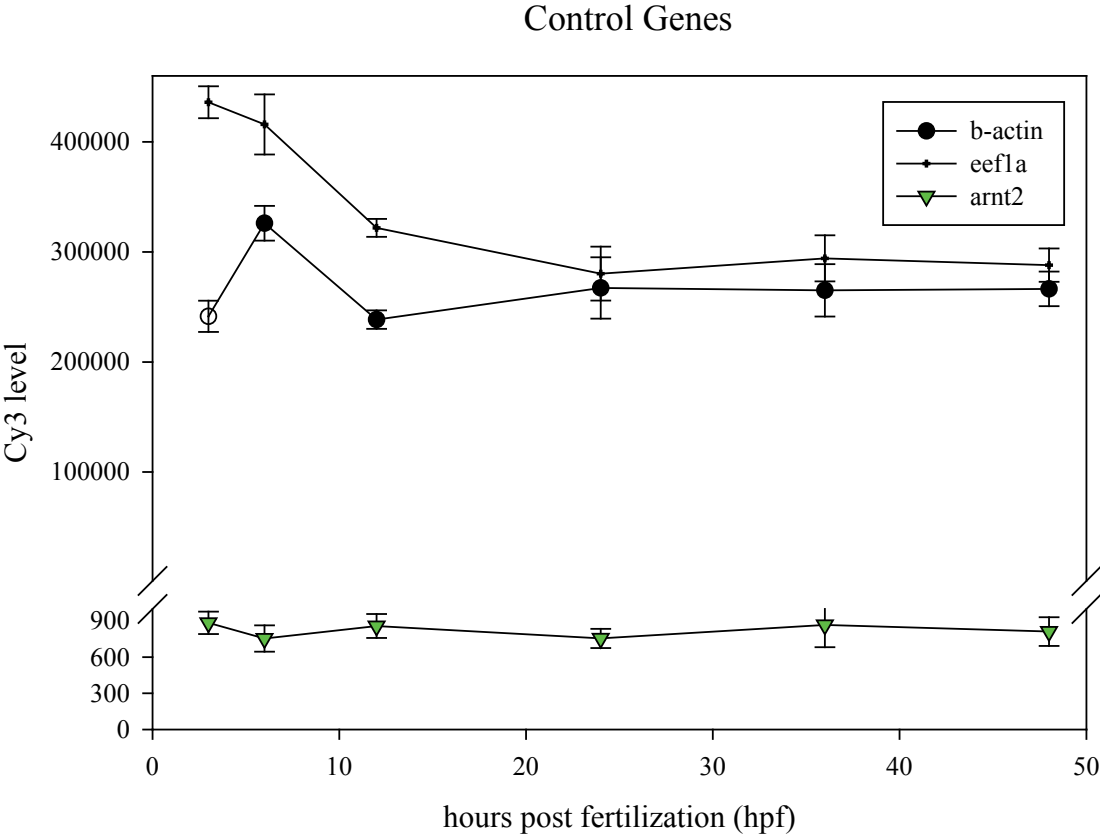


Figure S5

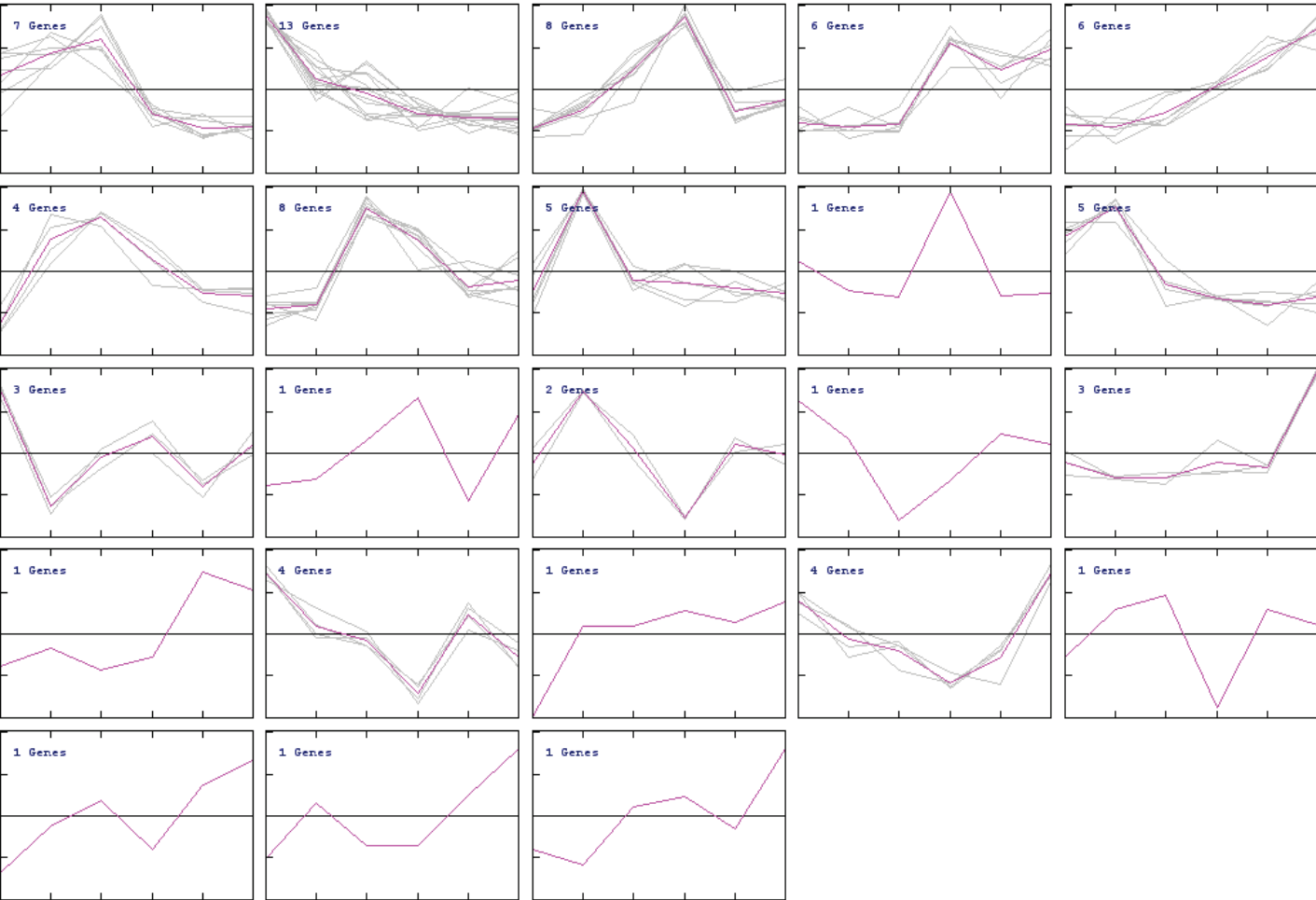


Figure S6

