

Figure S1. PPAR α (A) and PPAR δ (B) sequence similarity relative to human amino acid sequences. Percent similarity of mouse, rat, and zebrafish PPAR α (A) and PPAR δ (B) relative to human PPAR α and PPAR δ ; FL = full length; DBD = DNA binding domain; and LBD = ligand binding domain.

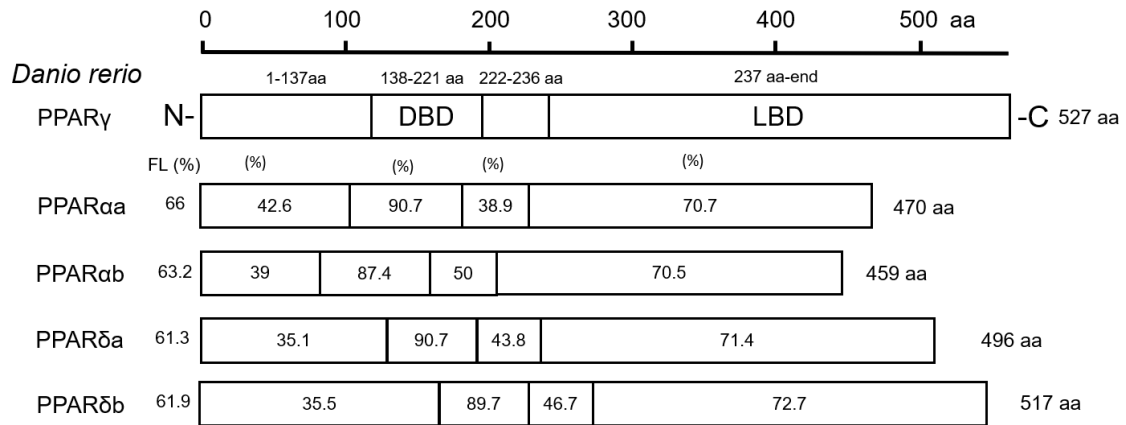


Figure S2. Percent similarity of zebrafish PPAR α (a and b) and PPAR δ (a and b) relative to PPAR γ ; FL = full length; DBD = DNA binding domain; and LBD = ligand binding domain (B).

Homo_sapiens	17	FTDTLS-ANISQEMTMVDTEMPF-WPTNFGISSVDLS-VMEDHSHSFDIK	63	
Danio_erio	6	F--SVQKASLSAD--MVDQT-FGWPVGFGLSALELEE-LEDDTHSLDIK	49	
Homo_sapiens	64	PFTTVDFSSIS-----T--P--HY-EDIP-F----TR----T-DPV	89	
Danio_erio	50	PFSTLDYSSISGIDYENNPQTQNDPTPHMM-DLTHMYSYRTQENYRTHEPI	98	
Homo_sapiens	90	VADYK-----YDLKLQE--Y--QS-A--IKVEPASPPYSEKTL-YNK-	125	
Danio_erio	99	---YRPEHSSYS-P-EENTYRAQQIQNSIKLEPESPPQFAENS-VSFSKT	142	
Homo_sapiens	126	PHEEPSNS-L-MAI ECRVCGDKASGFHYGVHACEGCKGFFRRTIRLKLIV	173	 = DBD
Danio_erio	143	P-EDPSSSSLN--I ECRVCGDKASGFHYGVHACEGCKGFFRRTIRLKLIV	189	
Homo_sapiens	174	DRCDLNCRIHKKSRNKQYCRFQKCLAVGMSHNAIRFGRMPQAEKEKLA	223	 = LBD
Danio_erio	190	DHCDLHCRHKKSRNKQYCRFQKCLMVGMSHNAIRFGRMPQAEKEKLA	239	
Homo_sapiens	224	EISSDIDQLNPES ADLRALAKHLYDSYIK-SFPLTKAKARAILTGKTTDK	272	 = LBP
Danio_erio	240	EFSSDVMHMPES ADLRALARHLYESYLKY-FPLTKAKARAILSGKTSDN	288	
Homo_sapiens	273	SPFVIYDMNSLM-MGEDK-IK-FKHITPLQE-Q-SK--EV---AIRIQ	311	
Danio_erio	289	APFVIHDMKSLVE-GE-QMINC-RYM-PLHEHRRSDLG-IMHEVELRFEH	333	
Homo_sapiens	312	G-CQ-FRSVEAVQEQEITEYAKSIPGFVNLDLNDQVTLKYGVI-EI-I-VT	356	
Danio_erio	334	SY-QS-RSAEAISEVTEFAKSIPGFINLDLNDQVTLKYGVI-EVMTI--	378	
Homo_sapiens	357	MLAS-LMINKDGVLT-S-EGQ-GFMTREFLKSRLKPF-GDMEPKFEFAVKF	402	
Danio_erio	379	MI-SPLMINKDGLTSY-GQI-FMTREFLKSRLKPF-C-EMMEPKFEFSIKF	424	
Homo_sapiens	403	NALELDDSDLAIFIAVIIISGDRPGLLNKPIEDIQDNLQALELQLKLN	452	
Danio_erio	425	NMLELDDCDMALFLAVIISGDRPGLLDVVKPIEDLQETVLHSLLELQLKIN	474	
Homo_sapiens	453	HPES-SQLFAKLLQKMTDLRQIVTEVQLLQVIKKTETDMSLHPLLQEIY	501	
Danio_erio	475	HPDSL-QLFAKVLQKMTDLRQLVTDVQLIQMMKETEADWSLHPLLQEIY	523	
Homo_sapiens	502	KDLY 505		
Danio_erio	524	RDLY 527		

Figure S3. Sequence alignment between human and zebrafish PPAR γ ; DNA binding domain (DBD) is highlighted in blue, ligand binding domain (LBD) is highlighted in yellow, and amino acid residues in the ligand binding pocket (LBP) involved with thiazolidinediones binding are highlighted in green.

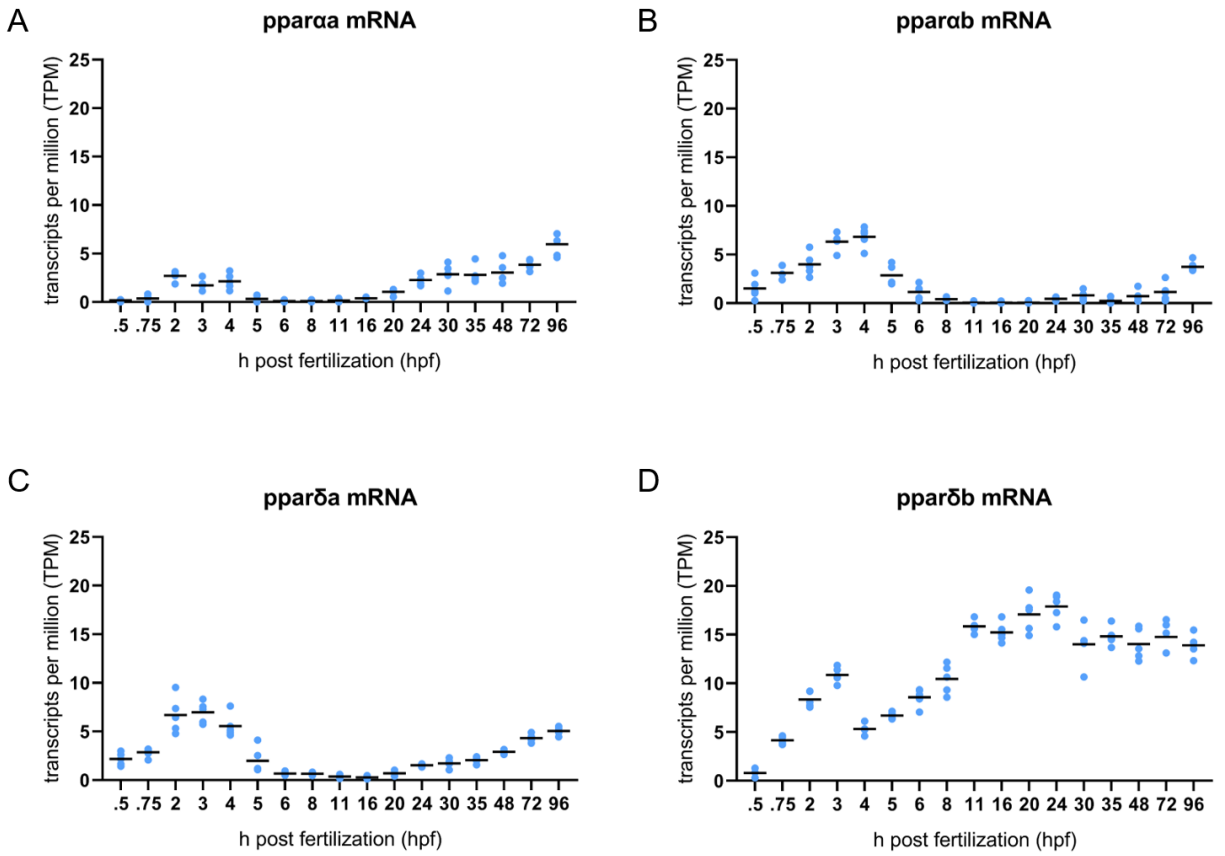


Figure S4. Abundance of ppar α (A), ppar β (B), ppar δ a (C), and ppar δ b (D) mRNA within whole zebrafish embryos from 0.75 hpf to 96 hpf.

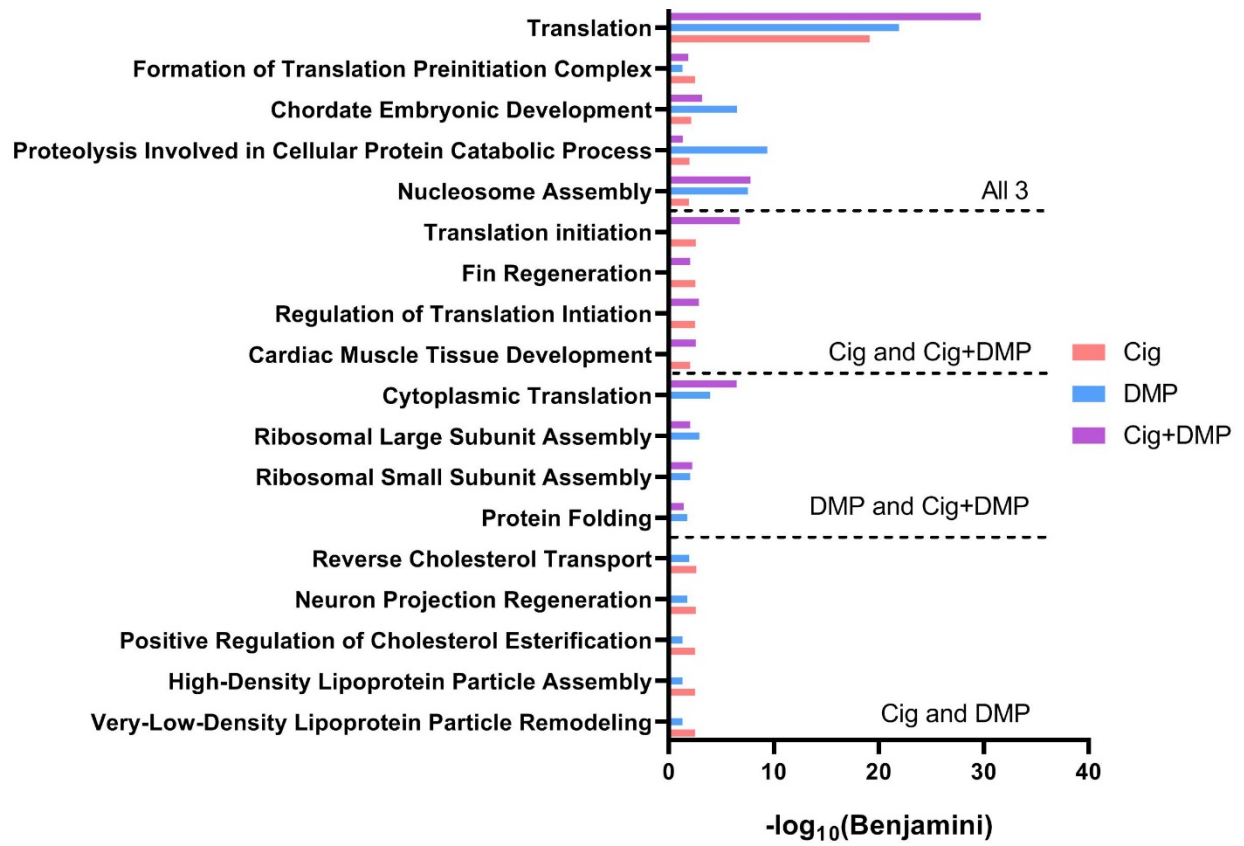


Figure S5. Significant (Benjamini p-value < 0.05) biological processes shared between or among treatment groups.