

Table S2. Gene expressions in zebrafishes significantly differed between model and ART groups (model vs ART).

Gene name (id)	base Mean	log2(Fold change)	lfc SE	P value	adjusted P value	Direction to NC
<i>Coro1cb</i> (gene13501)*	294.355	2.828	0.643	0.000011	0.002587	Up
<i>Ctdspl3</i> (gene21104)	61.055	-2.673	0.491	0.000000	0.000022	Down
<i>Gpx1a</i> (gene21678)	59.750	2.277	0.556	0.000043	0.008804	Up
<i>Ndufb9</i> (gene26321)*	113.789	3.571	0.762	0.000003	0.000736	Up
<i>Ndufa12</i> (gene40151)	304.710	-2.624	0.679	0.000113	0.019448	Down
<i>Mapk1</i> (gene40248)	76.557	4.615	0.546	0.000000	0.000000	Up
<i>Fbp1b</i> (gene40457)	39.916	-2.283	0.561	0.000047	0.009496	Down
<i>Ifrd2</i> (gene41555)	94.081	-2.637	0.459	0.000000	0.000005	Down
<i>Slc16alb</i> (gene41567)	99.784	-4.174	0.436	0.000000	0.000000	Down
<i>Fzd7a</i> (gene41822)*	410.505	4.385	0.495	0.000000	0.000000	Up
<i>Hao2</i> (gene41858)	71.545	3.385	0.577	0.000000	0.000003	Up
<i>Crygm2d3</i> (gene41894)	91.438	-2.631	0.474	0.000000	0.000013	Down
<i>Cdc6</i> (gene42384)	45.135	3.089	0.594	0.000000	0.000067	Up
<i>Trap</i> (gene42648)	76.183	3.251	0.509	0.000000	0.000000	Up
<i>Wdr32</i> (gene42948)	52.653	-2.955	0.624	0.000002	0.000568	Down
<i>Pa2g4b</i> (gene45274)	81.910	2.241	0.395	0.000000	0.000007	Up
<i>Sept15</i> (gene45549)	30.087	2.246	0.630	0.000365	0.046135	Up

<i>Dip2bb</i> (gene46161)	32.790	-2.829	0.786	0.000317	0.041695	Down
<i>Arl5a</i> (gene46314)	39.499	-2.102	0.534	0.000084	0.015434	Down
<i>Mrpl49</i> (gene46394)	44.423	3.781	0.653	0.000000	0.000004	Up
<i>Mgst1.1</i> (gene5335)	31.320	-3.854	0.761	0.000000	0.000130	Down

*Genes which were abnormally expressed in model group