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 |
|------------------|-----------|-------------------|--------|-------------|------------------|-----------------|
| Coro1cb (gene13501)* | 294.355   | 2.828             | 0.643  | 0.000011    | 0.002587         | Up              |
| Ctdspl3 (gene21104) | 61.055    | -2.673            | 0.491  | 0.000000    | 0.000022         | Down            |
| Gpx1a (gene21678)  | 59.750    | 2.277             | 0.556  | 0.000043    | 0.008804         | Up              |
| Ndufb9 (gene26321)* | 113.789   | 3.571             | 0.762  | 0.000003    | 0.000736         | Up              |
| Ndufa12 (gene40151) | 304.710   | -2.624            | 0.679  | 0.000113    | 0.019448         | Down            |
| Mapk1 (gene40248)   | 76.557    | 4.615             | 0.546  | 0.000000    | 0.000000         | Up              |
| Fbp1b (gene40457)   | 39.916    | -2.283            | 0.561  | 0.000047    | 0.009496         | Down            |
| Ifrd2 (gene41555)   | 94.081    | -2.637            | 0.459  | 0.000000    | 0.000005         | Down            |
| Slc16alb (gene41567) | 99.784    | -4.174            | 0.436  | 0.000000    | 0.000000         | Down            |
| Fzd7a (gene41822)*  | 410.505   | 4.385             | 0.495  | 0.000000    | 0.000000         | Up              |
| Hao2 (gene41858)    | 71.545    | 3.385             | 0.577  | 0.000000    | 0.000003         | Up              |
| Crygm2d3 (gene41894) | 91.438    | -2.631            | 0.474  | 0.000000    | 0.000013         | Down            |
| Cdc6 (gene42384)    | 45.135    | 3.089             | 0.594  | 0.000000    | 0.000067         | Up              |
| Trap (gene42648)    | 76.183    | 3.251             | 0.509  | 0.000000    | 0.000000         | Up              |
| Wdr32 (gene42948)   | 52.653    | -2.955            | 0.624  | 0.000002    | 0.000568         | Down            |
| Pa2g4b (gene45274)  | 81.910    | 2.241             | 0.395  | 0.000000    | 0.000007         | Up              |
| Sept15 (gene45549)  | 30.087    | 2.246             | 0.630  | 0.000365    | 0.046135         | Up              |
| Gene   | Expression Value | Log2 Fold Change | P Value | q Value | Direction |
|--------|------------------|------------------|---------|---------|-----------|
| Dip2bb (gene46161) | 32.790 | -2.829 | 0.786 | 0.000317 | Down |
| Arl5a (gene46314) | 39.499 | -2.102 | 0.534 | 0.000084 | Down |
| Mrpl49 (gene46394) | 44.423 | 3.781 | 0.653 | 0.000000 | Up |
| Mgst1.1 (gene5335) | 31.320 | -3.854 | 0.761 | 0.000000 | Down |

*Genes which were abnormally expressed in model group*