

Figure S1. OH-dDHL decreases the cell viability of cultured cells. (A) A549, HEp-2, and THP-1 cells were treated with OH-dDHL dose-dependently for 24 h and cell viability was measured by CCK assays. (B) A549, HEp-2, and THP-1 cells were treated with 100 μM OH-dDHL in a time-dependent manner. Data are presented as means \pm SEM of three independent experiments. ***, $p < 0.001$, **, $p < 0.01$ vs. control.

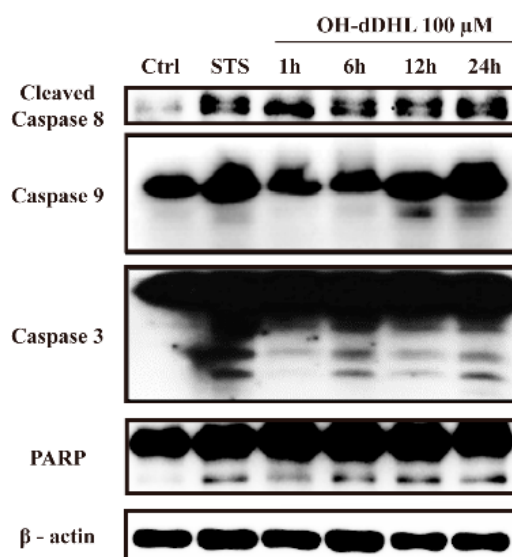


Figure S2. OH-dDHL activates of caspase in A549 cells BMDMs were treated in a time-dependent manner. Staurosporine (STS) was used as a positive control. Caspase-8, -9, and -3, and PARP were analyzed by western blot. Ctrl; negative control.

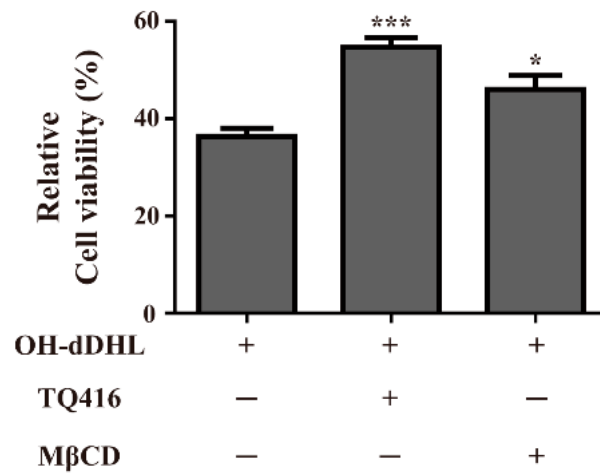
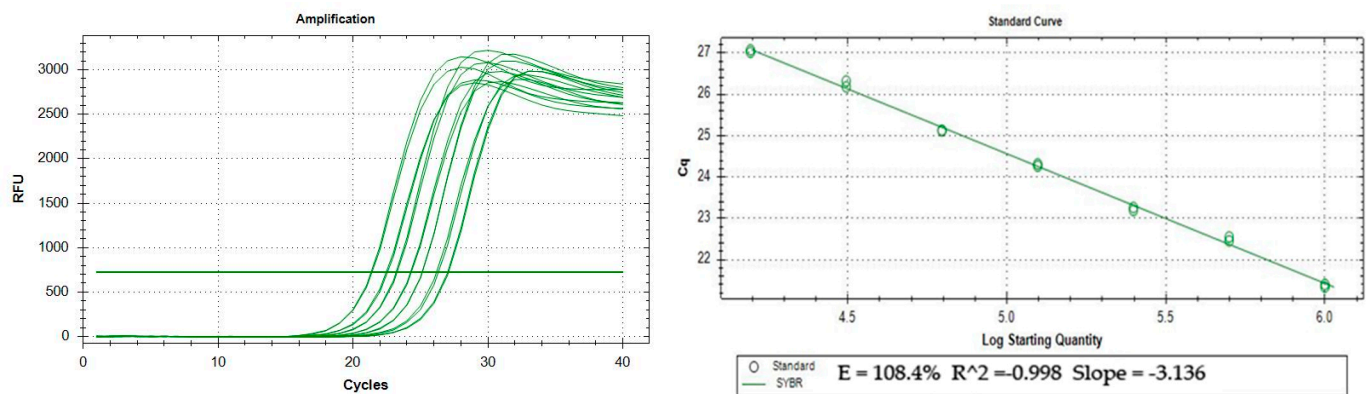
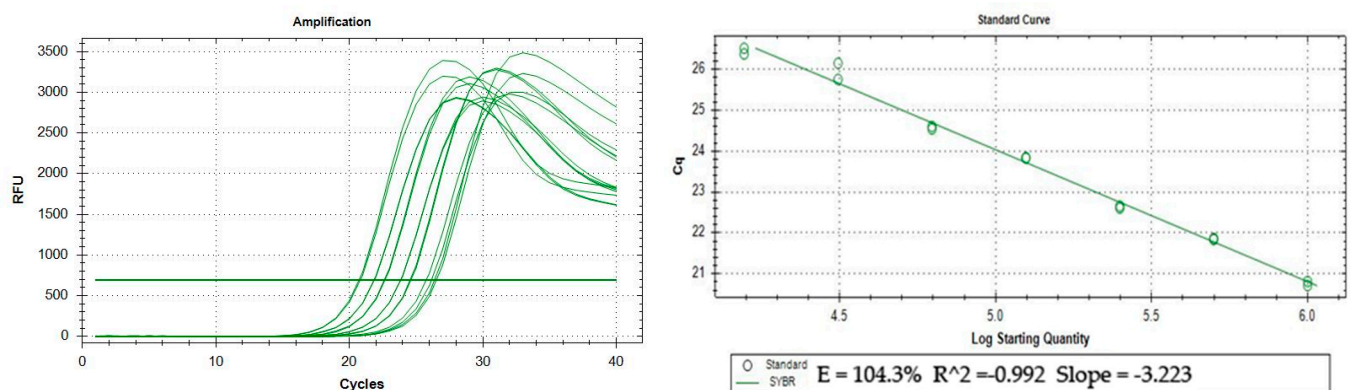


Figure S3. Effect of lipid raft and PON2 on the cell viability of A549 cells. Cell viability was determined by CCK assays. MβCD (4 μM) was preapplied for 1 h and TQ416 (4 μM) was simultaneously applied. BMDMs were treated with 100 μM OH-dDHL for 3 h. **, $p < 0.01$. *, $p < 0.05$ vs. control.

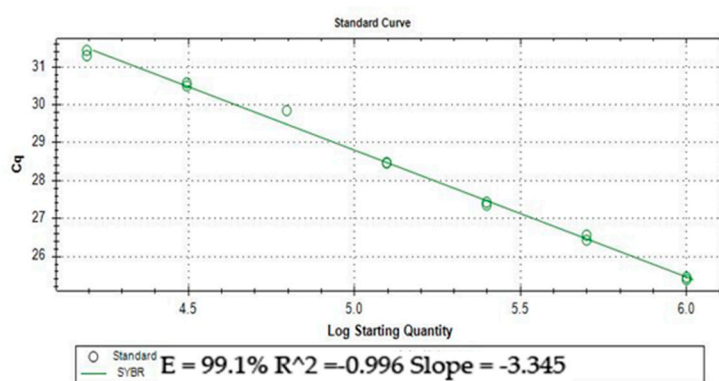
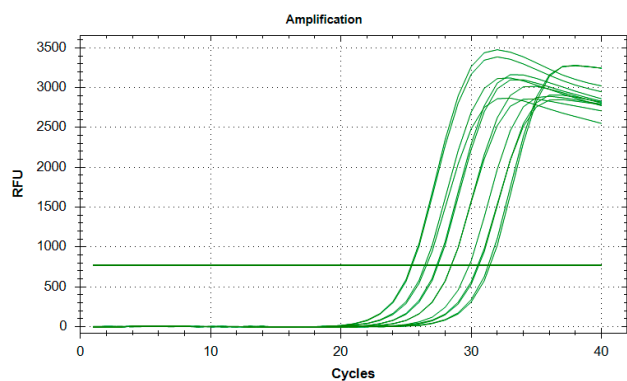
(a)



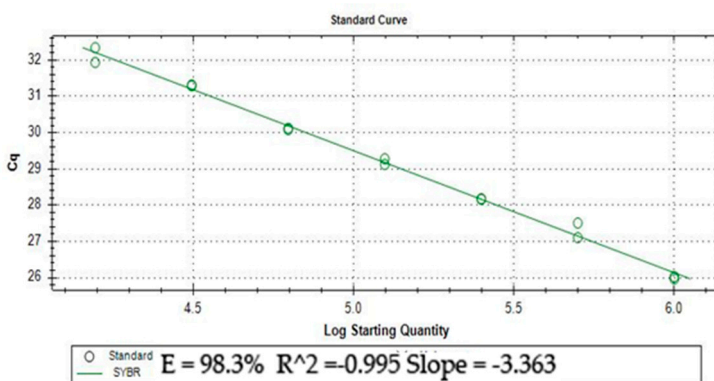
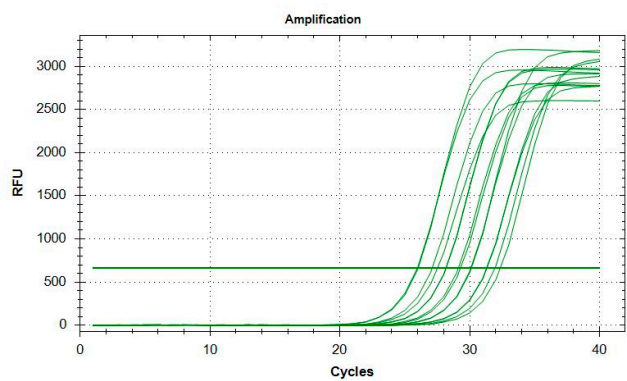
(b)



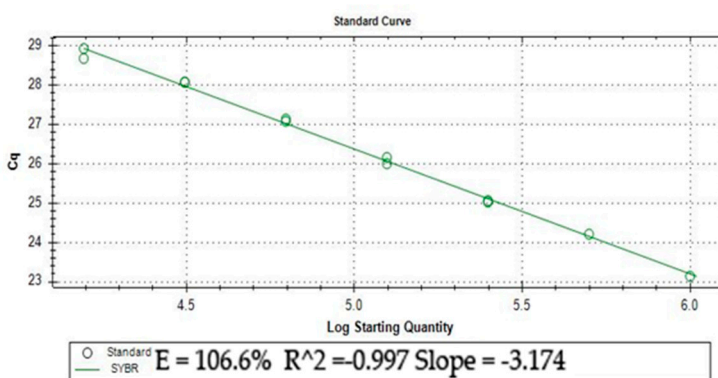
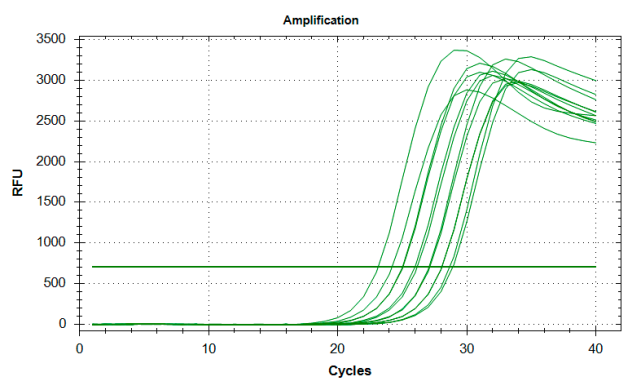
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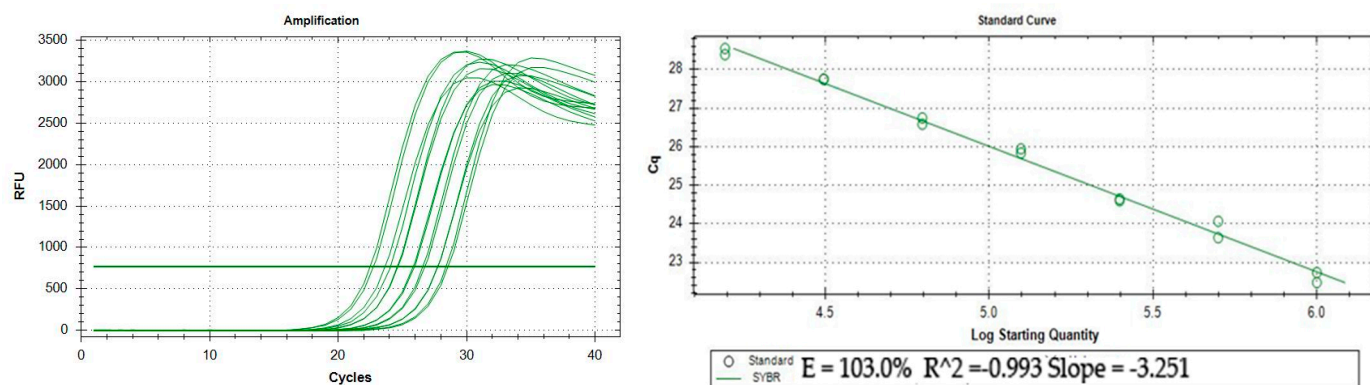
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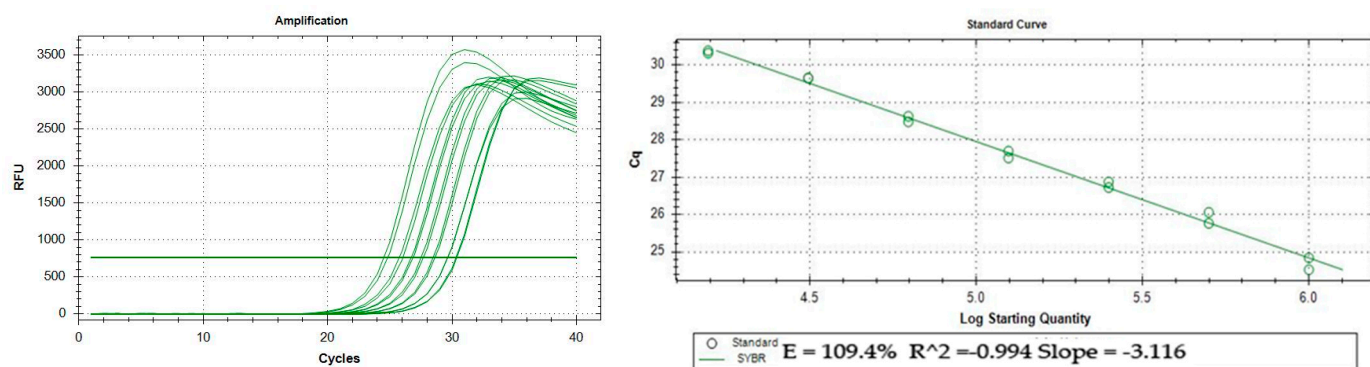
(e)



(f)



(g)



(h)

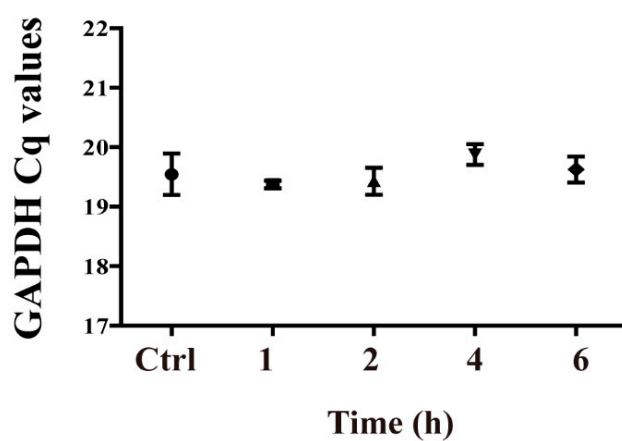


Figure S4. The amplification and standard curve of cDNA-based RT-qPCR. The graphs illustrate the efficiency and sensitivity for amplification of genes of interest and reference genes from 2-fold serially diluted cDNA. (a) GAPDH, (b) IL-1 β , (c) IL-6, (d) IL-8, (e) MCP-1, (f) TNF- α , (g) PON2. (h) Plot comparison of mean Cq values by 50 μ M OH-dDHL.

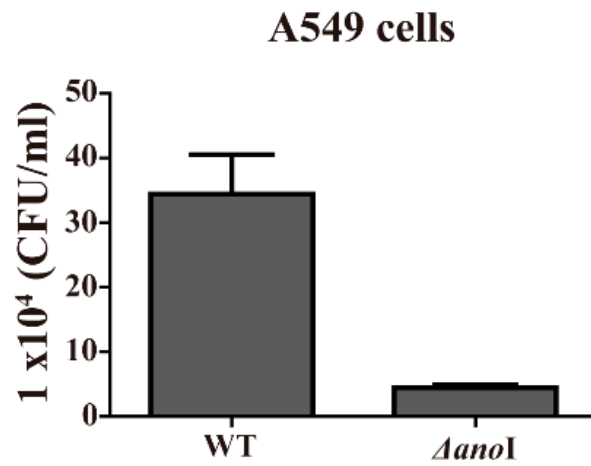


Figure S5. Quorum sensing system of $\Delta anoI$ reduces the ability of invasion in A549 cells. BMDMs were infected with WT and $\Delta anoI$ at an MOI of 100 for 6 h and incubated for 2 h in complete medium containing gentamicin, followed by additional incubation in complete medium for 16 h. $\Delta anoI$. Data are presented as means \pm SEM of three independent experiments.