Supplementary Information

Combined Toxicity of 2,4-Dichlorophenoxyacetic Acid (2,4-D) and Its Metabolites 2,4-Dichlorophenol (2,4-DCP) on Two Nontarget Organisms

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Table S1. The mixture ratios of 2,4-D and 2,4-DCP in various mixture rays and the concentrations of stocks of mixture rays

| Organisms | Ray No. | \( \rho_{2,4\text{-D}} \) | \( \rho_{2,4\text{-DCP}} \) | Stock Concentration (mol L\(^{-1}\)) |
|-----------|---------|--------------------------|-----------------------------|----------------------------------|
| **Q67**   | R1      | 9.607E-1                 | 3.927E-2                   | 5.205E-3                        |
|           | R2      | 9.073E-1                 | 9.270E-2                   | 4.615E-3                        |
|           | R3      | 8.303E-1                 | 1.697E-1                   | 3.968E-3                        |
|           | R4      | 7.099E-1                 | 2.901E-1                   | 3.254E-3                        |
|           | R5      | 4.946E-1                 | 5.054E-1                   | 2.462E-3                        |
| **C. elegans** | R1 | 9.805E-1                 | 1.951E-2                   | 7.502E-3                        |
|           | R2      | 9.526E-1                 | 4.738E-2                   | 6.155E-3                        |
|           | R3      | 9.095E-1                 | 9.047E-2                   | 7.226E-3                        |
|           | R4      | 8.341E-1                 | 1.659E-1                   | 6.978E-3                        |
|           | R5      | 6.679E-1                 | 3.321E-1                   | 4.342E-3                        |
Figure S1. The concentration–response curves of 2,4-D and 2,4-DCP to Q67 (a) and C. elegans (b) where ● and ○ refer to the experimental scatters, solid curve (—) refers to the fitted curve and dashed curves (---) to the 95% confidence intervals
Figure S2. The concentration–response curves of five mixture rays (R1, R2, R3, R4, and R5) to Q67 (a) and C. elegans (b) where □ refers to 0.25 h (a) or 12 h (b), ○ to 12 h (a) or 24 h (b), the solid curve (—) to the fitted curve, and the dashed curves (---) to the 95% confidence intervals