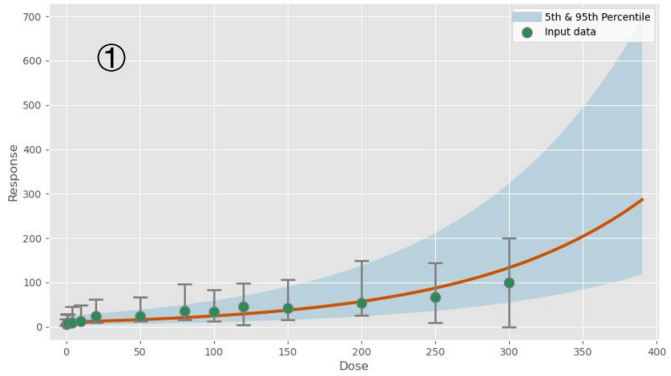
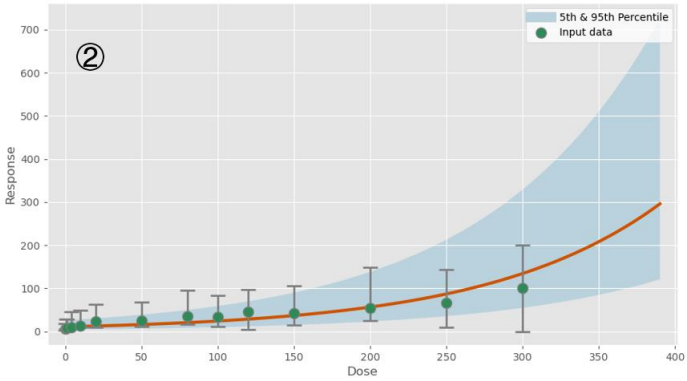
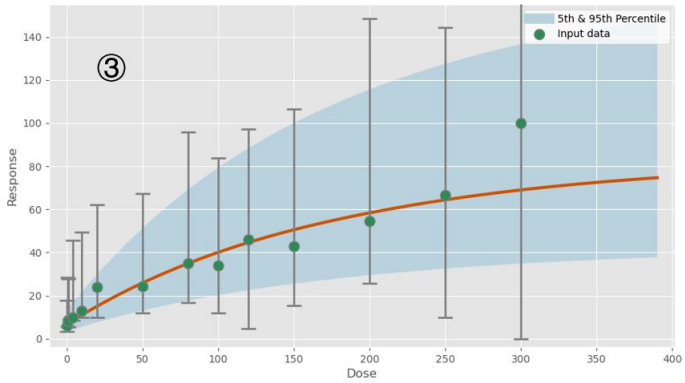
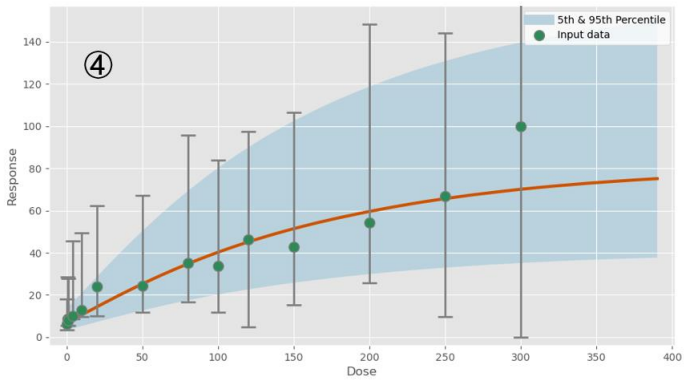
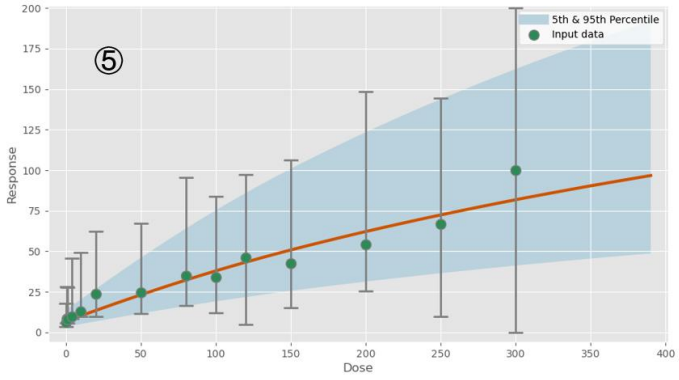
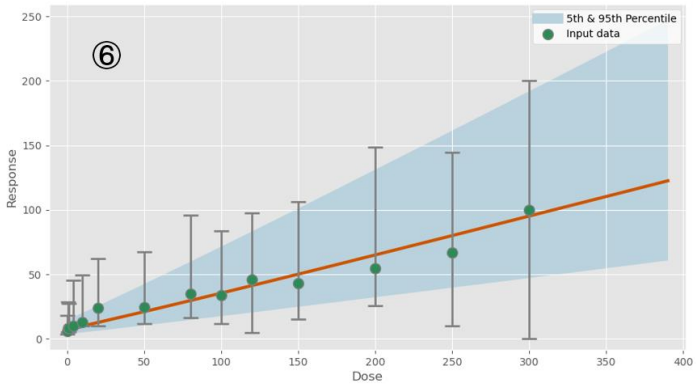

①
5th & 95th Percentile
Input data
Response
Dose

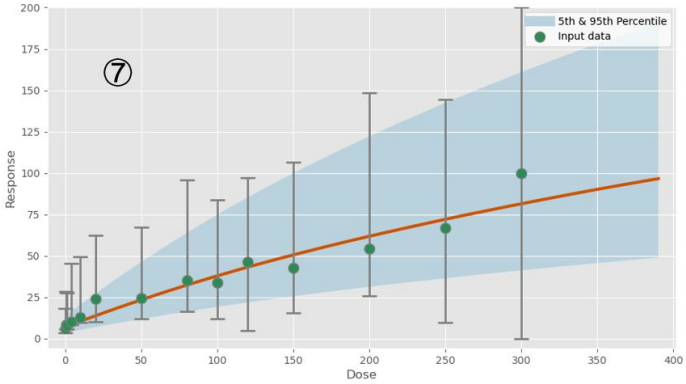

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Response
Dose

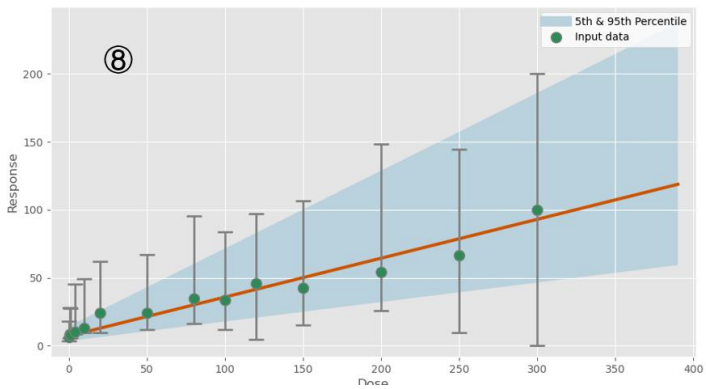

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Dose

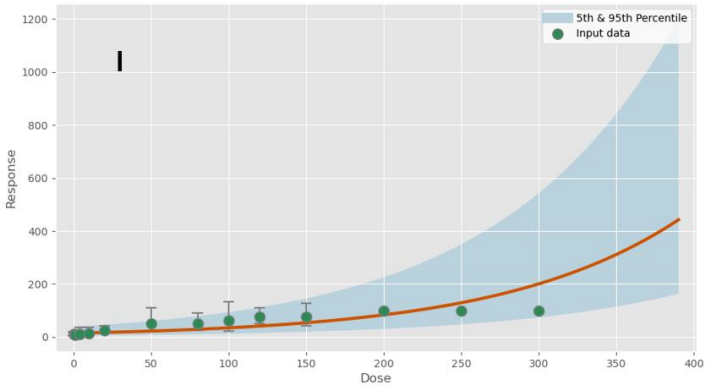

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Dose

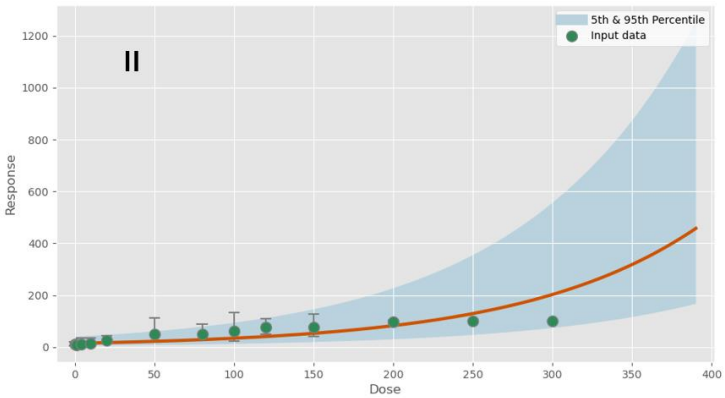

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Dose

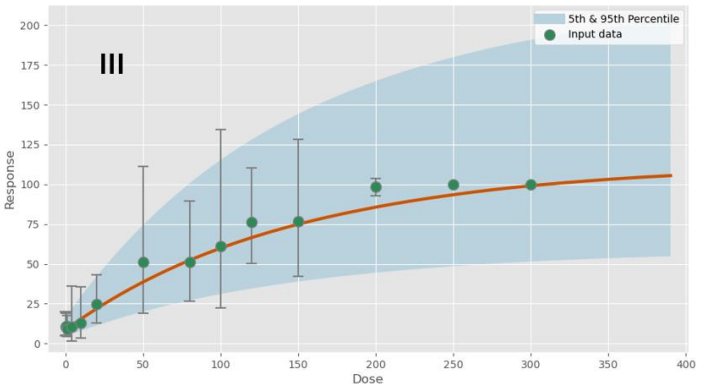

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Dose

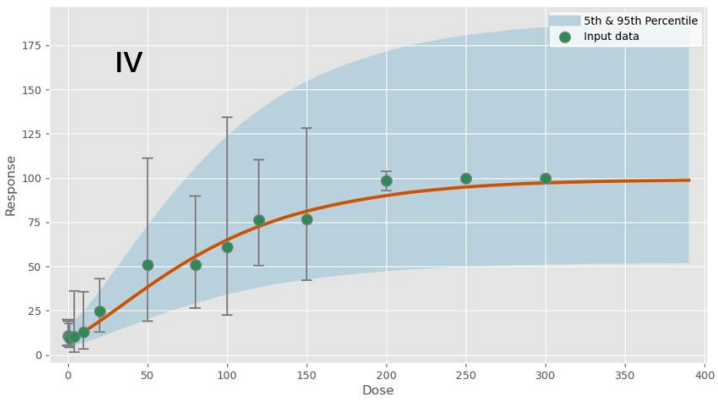

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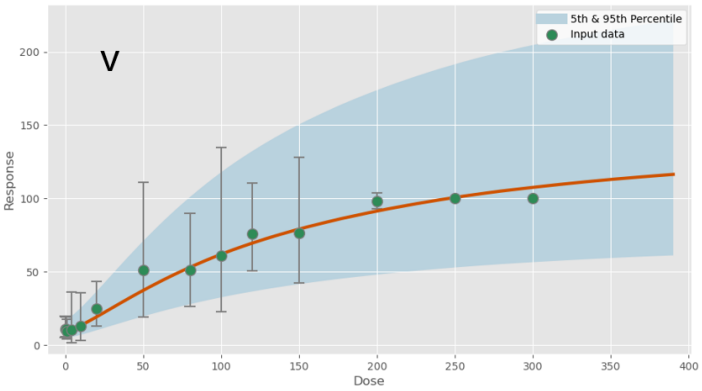

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Response
Dose

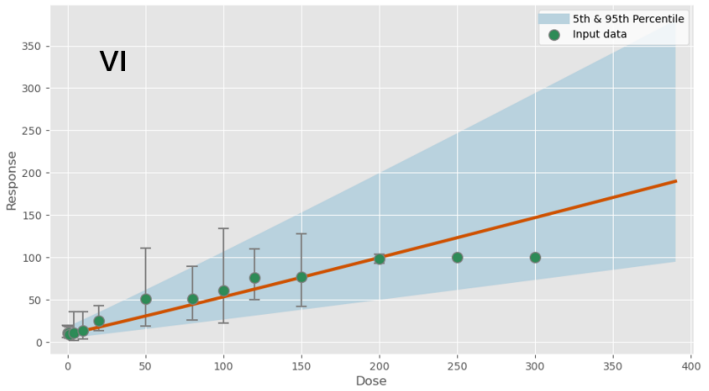

I
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Response
Dose

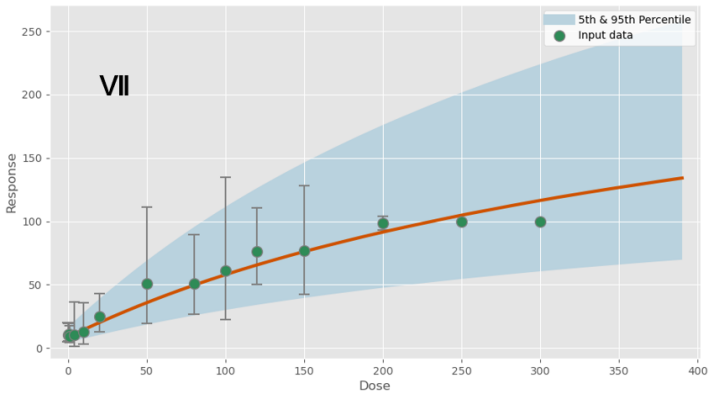

II
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Response
Dose

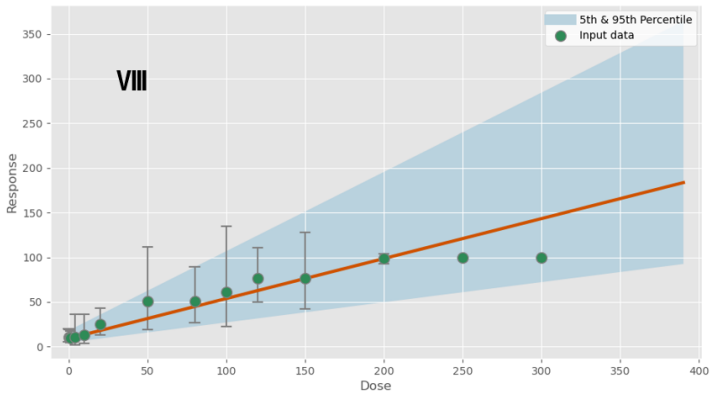

III
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Input data
Response
Dose

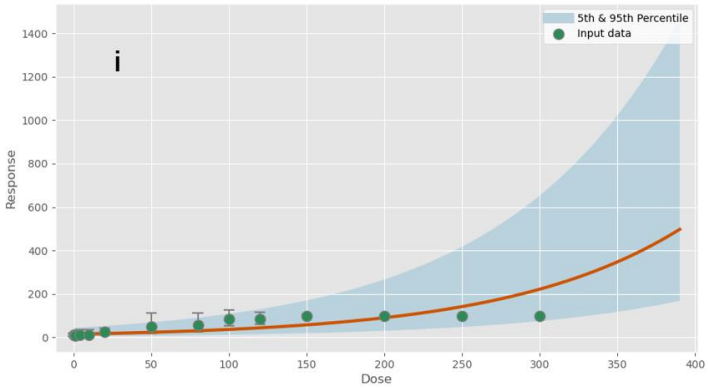

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Response
Dose

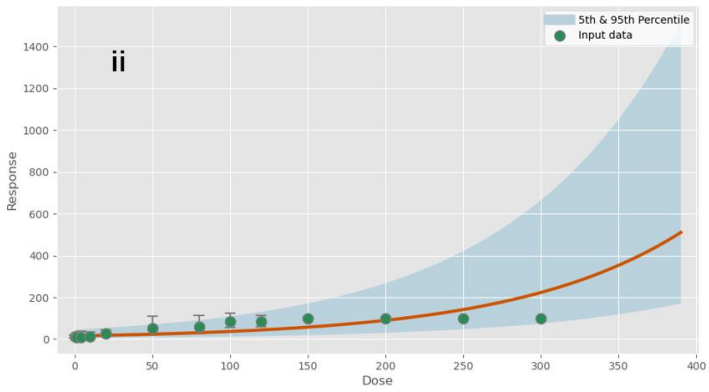

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Response
Dose

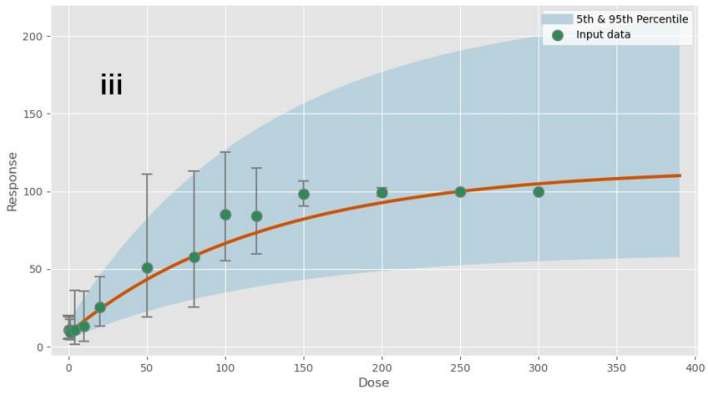

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Response
Dose

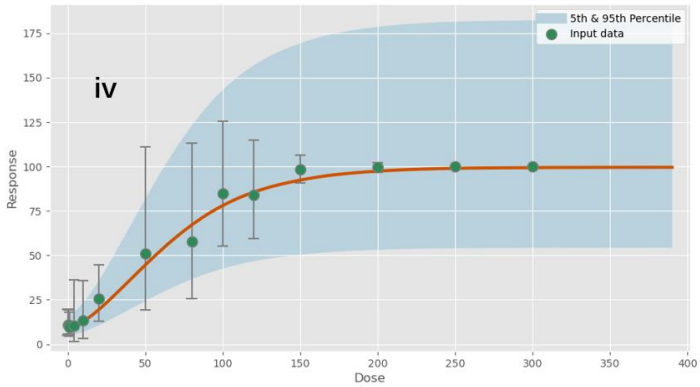

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Response
Dose

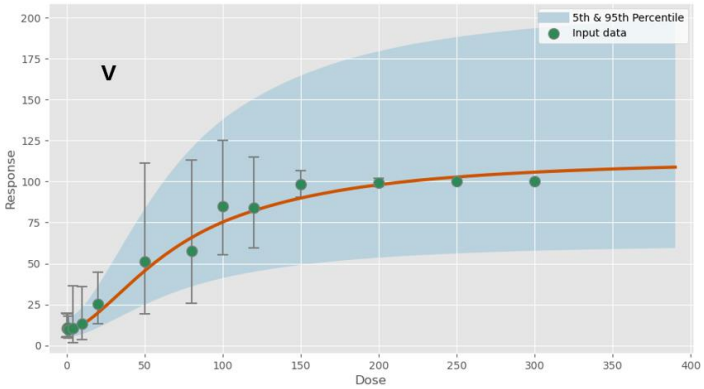

VIII
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Response
Dose

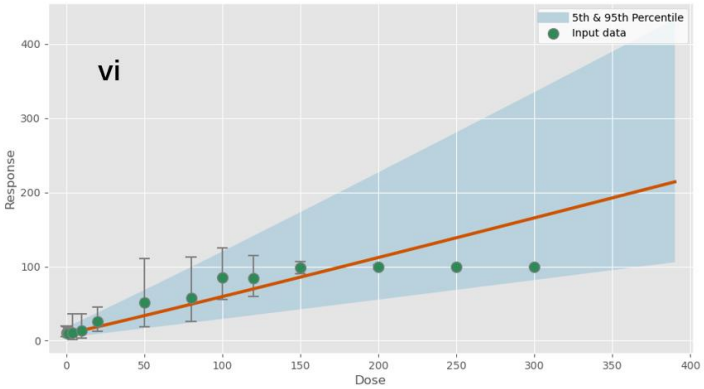

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Response
Dose

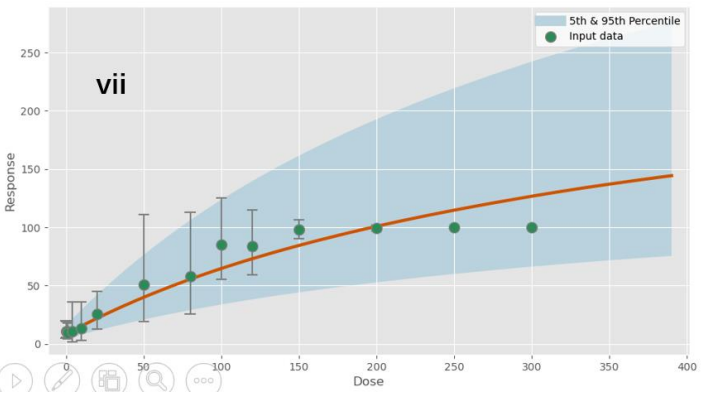

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Response
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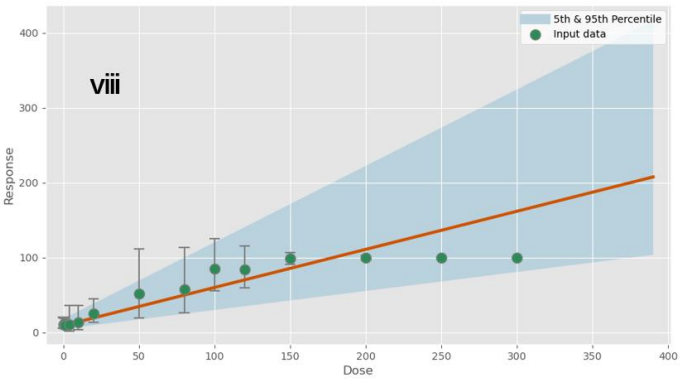

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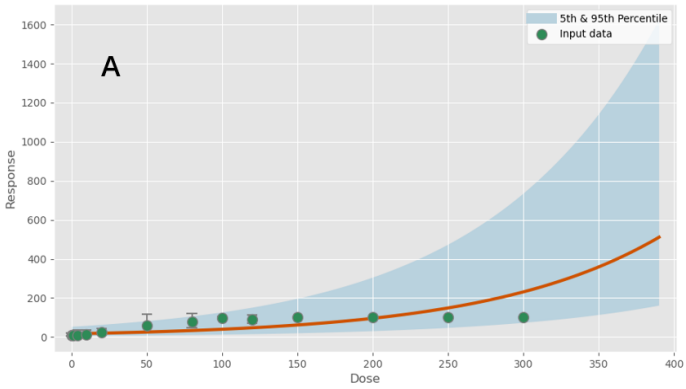

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Dose

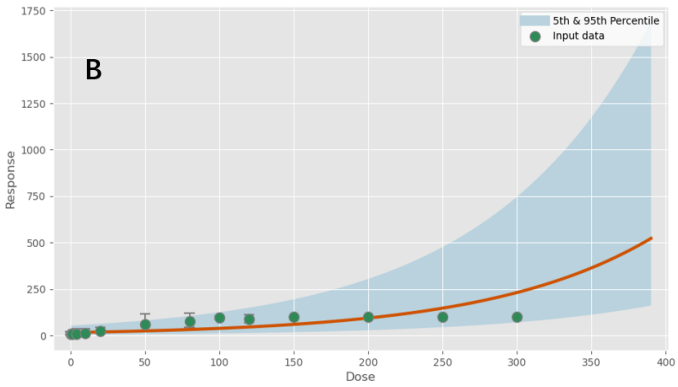

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Input data
Response
Dose

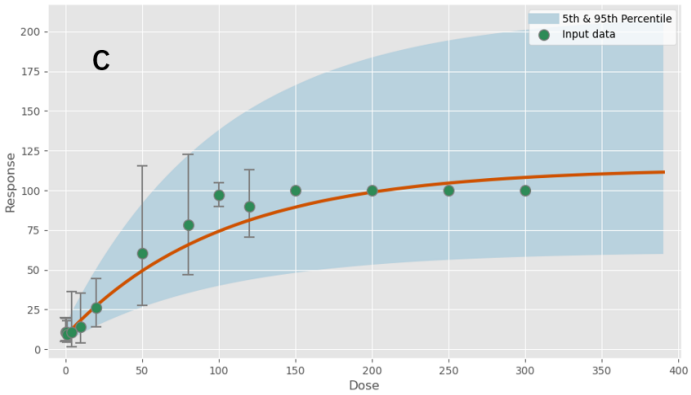

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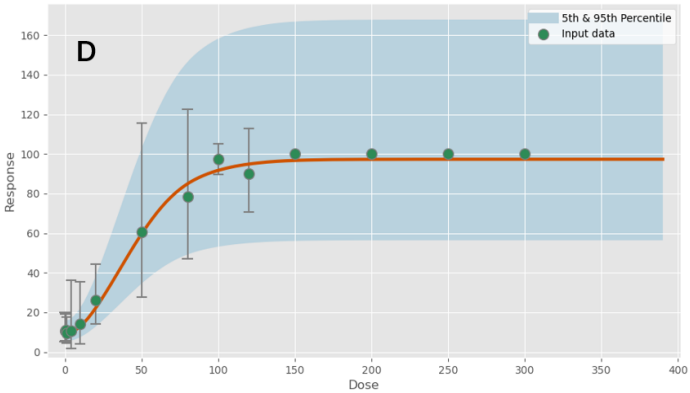

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Response
Dose

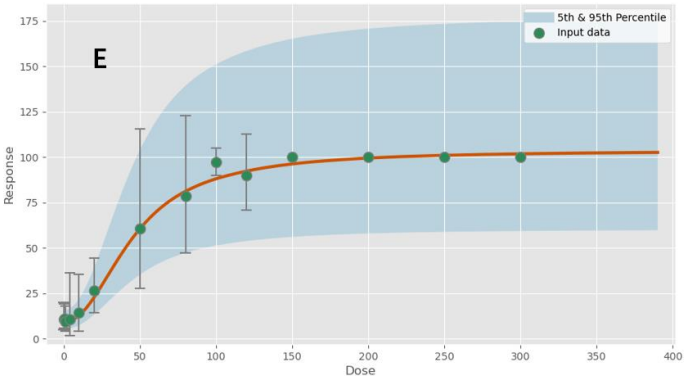

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Response
Dose

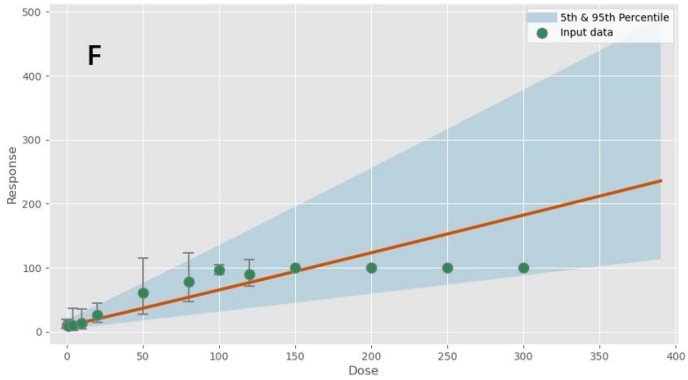

A
5th & 95th Percentile
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Response
Dose

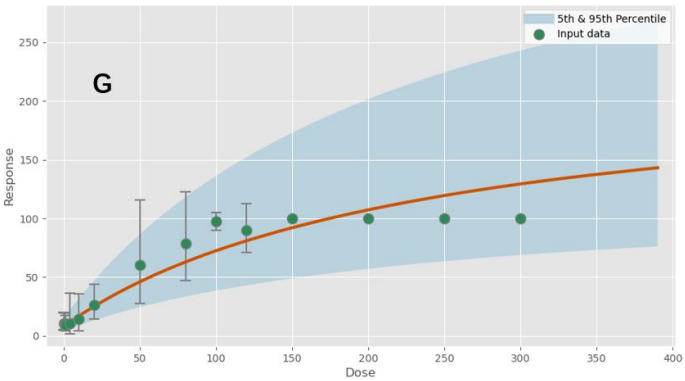

B
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Dose

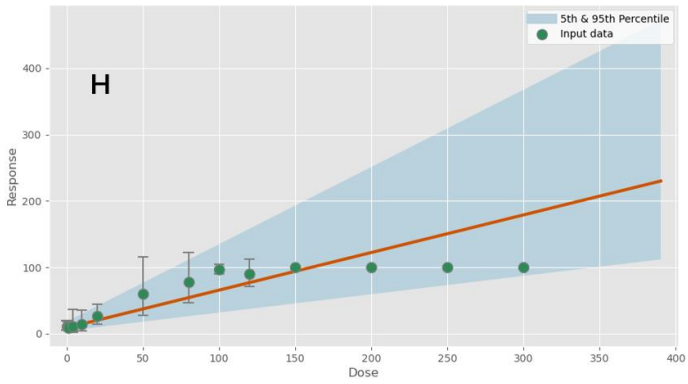

C
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Response
Dose

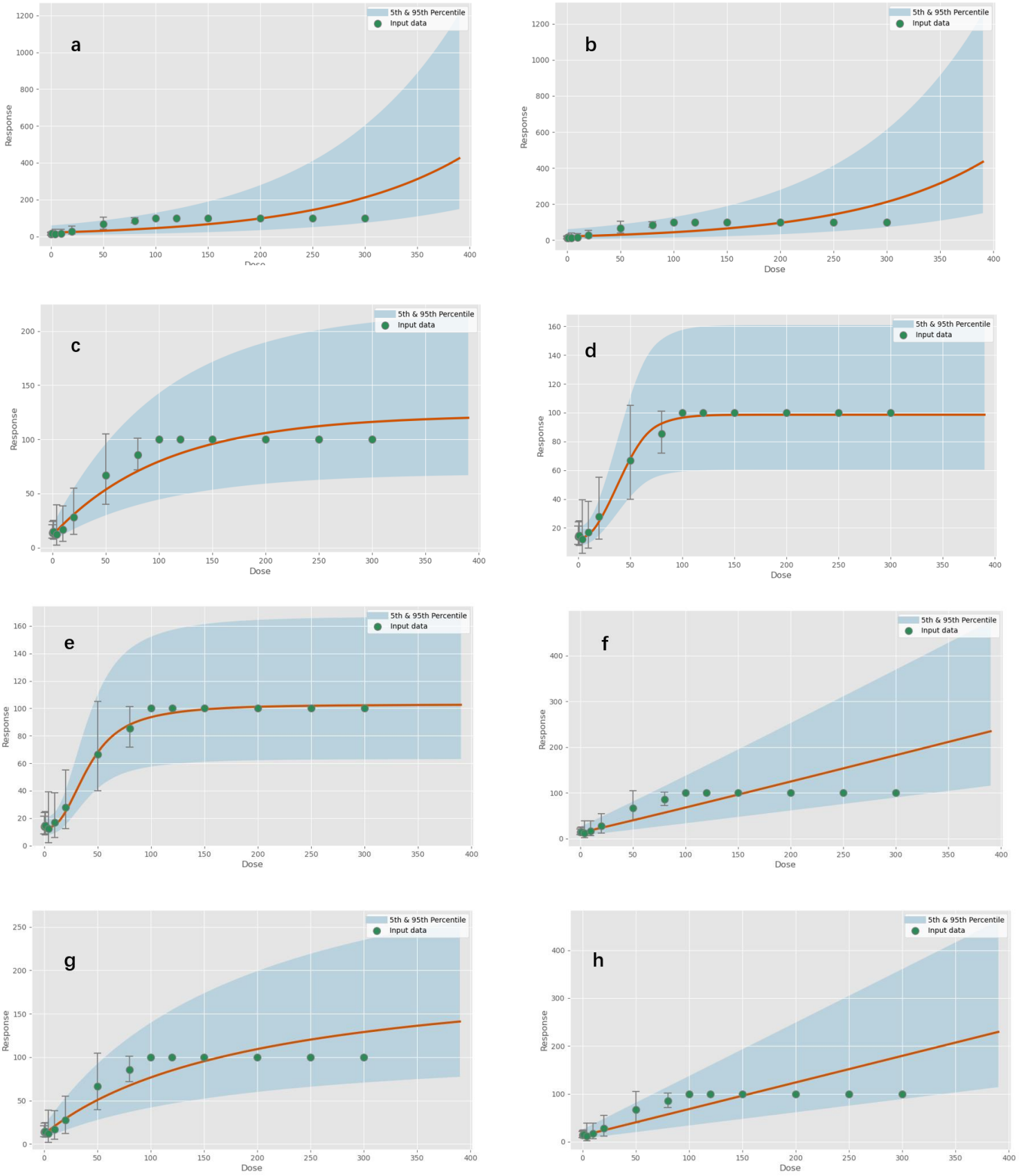

D
5th & 95th Percentile
Input data
Response
Dose


E
5th & 95th Percentile
Input data
Response
Dose


F
5th & 95th Percentile
Input data
Response
Dose

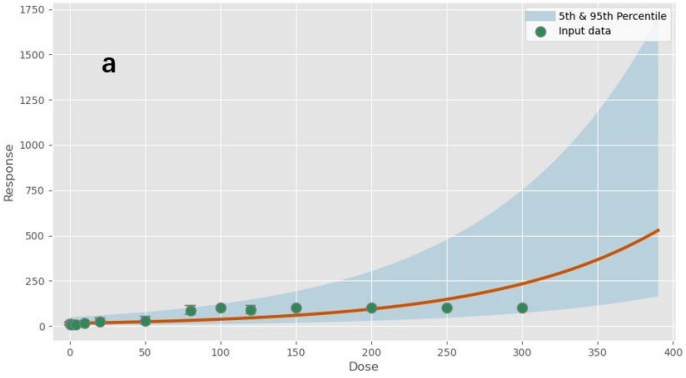

G
5th & 95th Percentile
Input data
Response
Dose

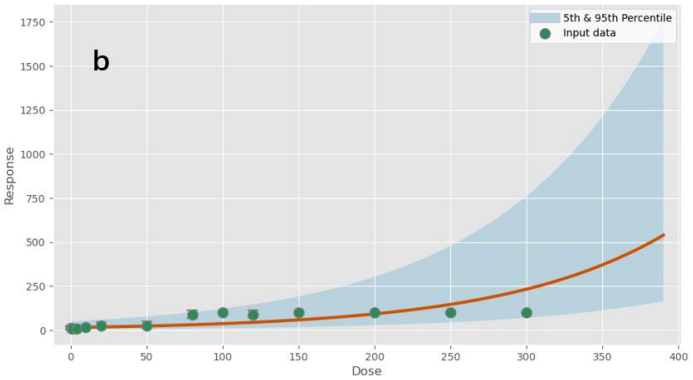

H
5th & 95th Percentile
Input data
Response
Dose

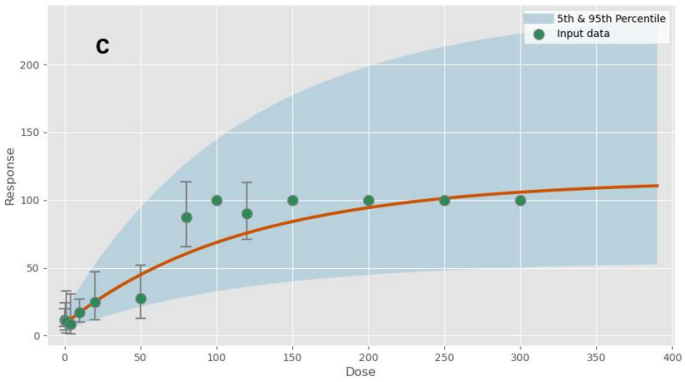


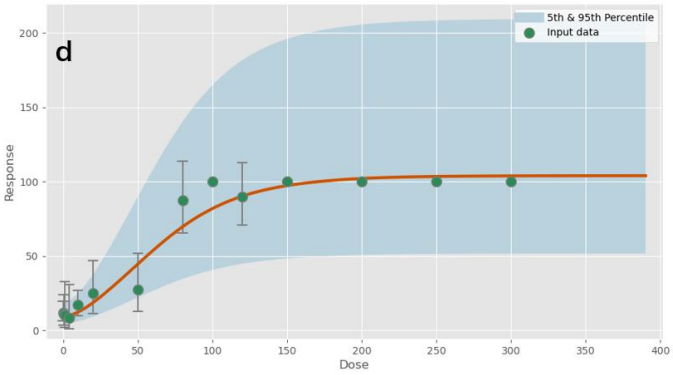
Supplementary Figure S1. Linear fit summary. The dose-response relationship between the W-F concentration (mg/L) and CM at 1 dpf (①-⑧), 2 dpf (Ⅰ-Ⅷ), 3 dpf (ⅰ-ⅷ), 4 dpf (A-H) and 5 dpf (a-h) in the eight BMD models was appropriate. (①, Ⅰ, ⅰ, **A**, **a**) were Exponential model 2; (②, Ⅱ, ⅱ, **B**, **b**) were Exponential model 3; (③, Ⅲ, ⅲ, **C**, **c**) were Exponential model 4; (

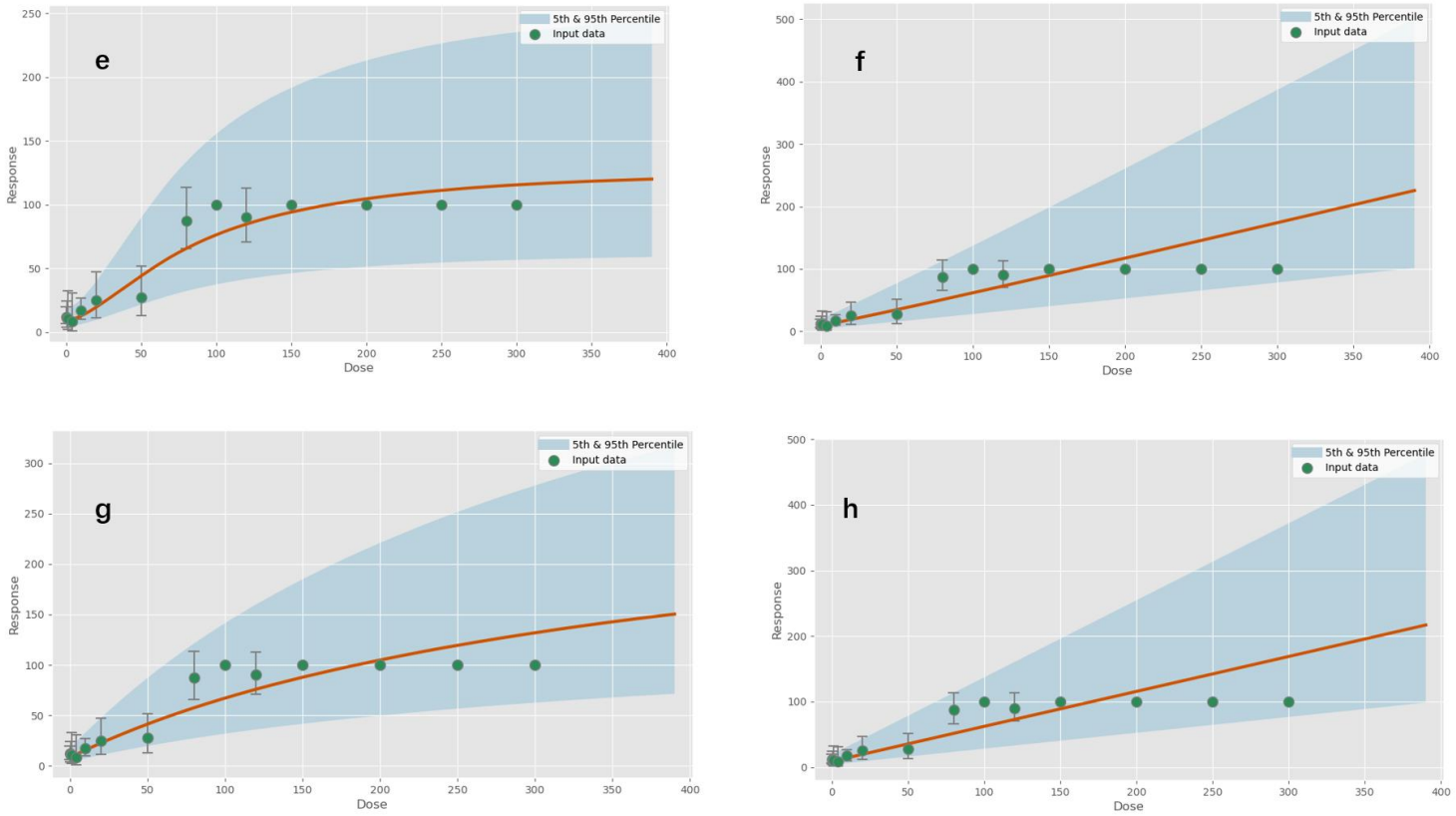
④, Ⅳ, ⅳ, D, d) were Exponential model 5; (⑤, Ⅴ, ⅴ, E, e) were Hill model; (⑥, Ⅵ, ⅵ, F, f) were Power model; (⑦, Ⅶ, ⅶ, G, g) were Michaelis–Menten model; (⑧, Ⅷ, ⅷ, H, h) were Linear model.











Supplementary Figure S2. Linear fit summary. The dose-response relationship between the W-F concentration (mg/L) and CMA at 5 dpf in the eight BMD models was appropriate. (a) Exponential model 2; (b) Exponential model 3; (c) Exponential model 4; (d) Exponential model 5; (e) Hill model; (f) Power model; (g) Michaelis–Menten model; (h) Linear mode.