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Data Supplement for:

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Effect-based characterization of mixtures of

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environmental pollutants in sediments

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collected between the Arctic and Australia

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Annika Jahnke, Anna Sobek, Melanie Bergmann, Jennifer Bräunig, Madlen

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Landmann, Sabine Schäfer and Beate I. Escher

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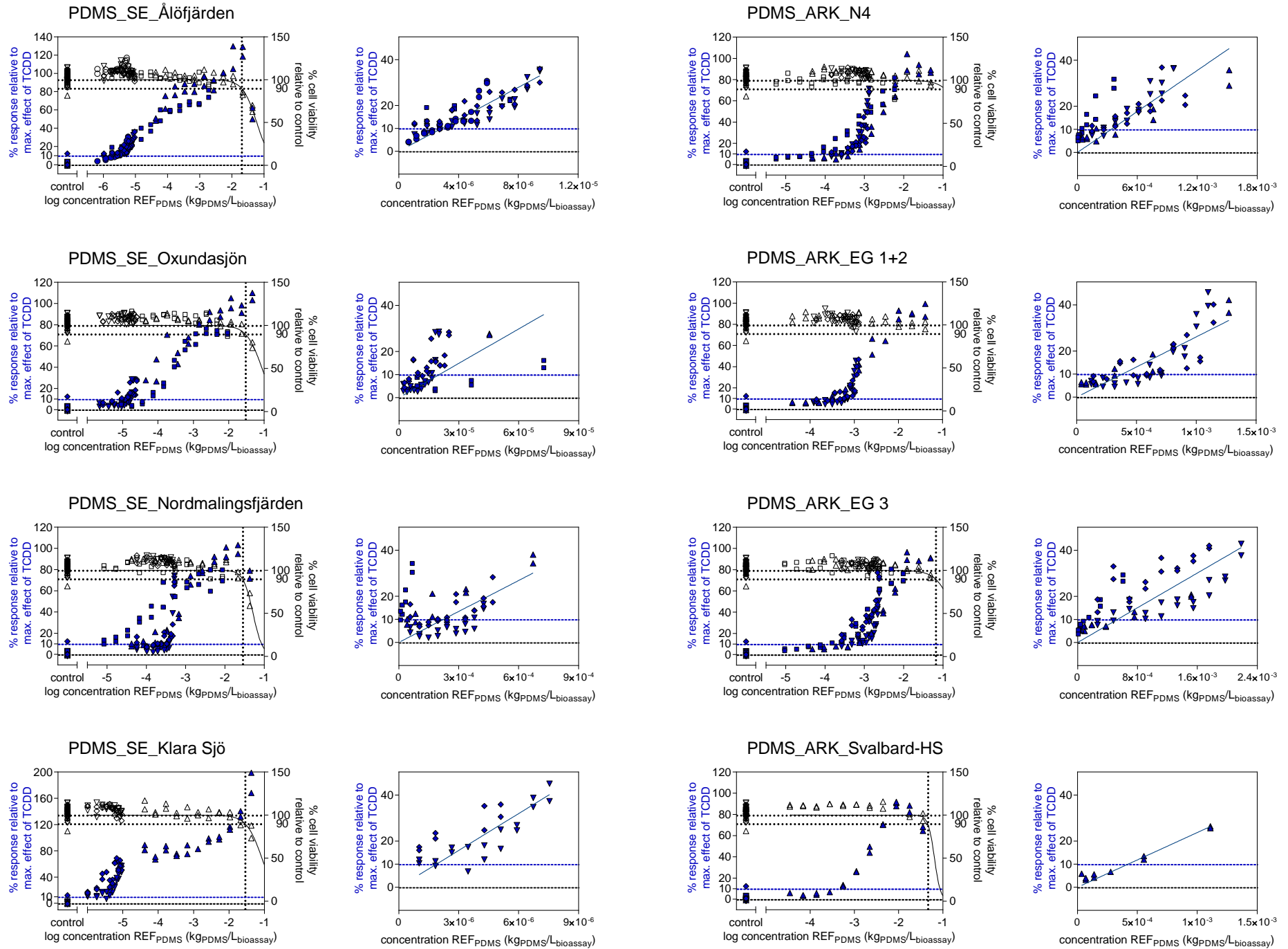
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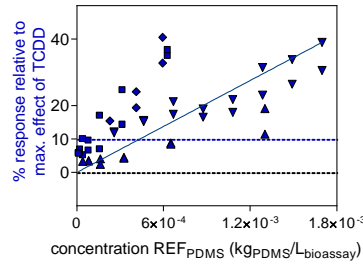
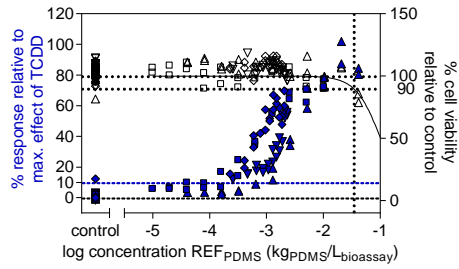
Figure DS7. Logarithmic and linear concentration-effect curves for AR S72

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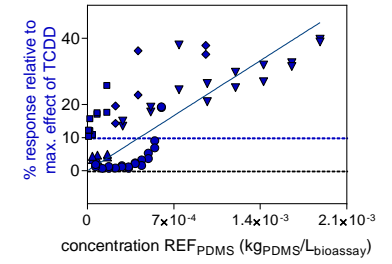
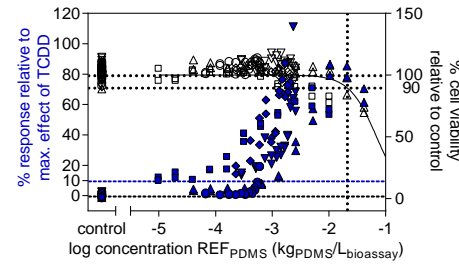
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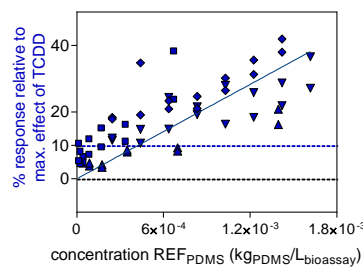
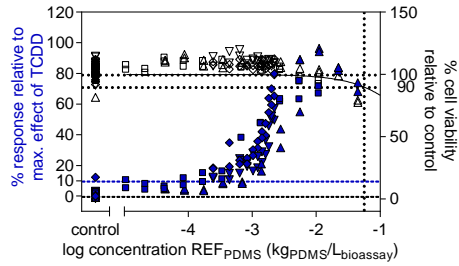
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PDMS_ARK_Svalbard-WLH



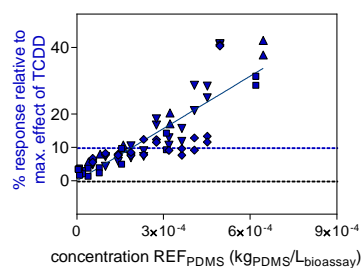
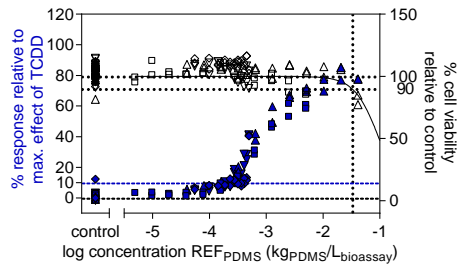
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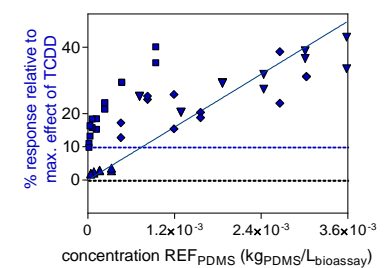
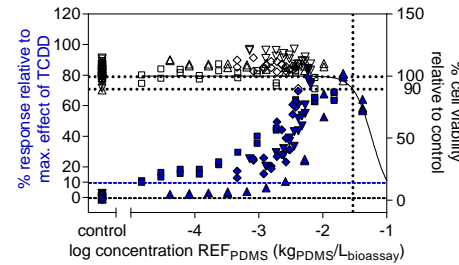
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n.a.

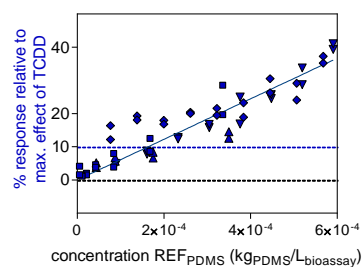
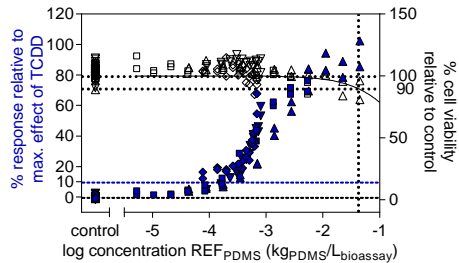
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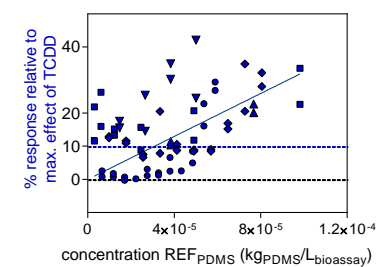
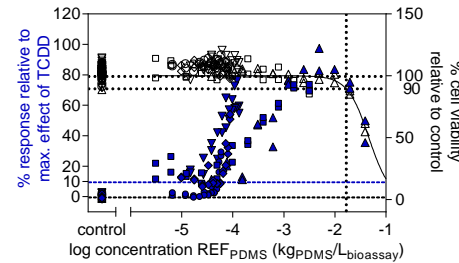
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PDMS_ARK_Svalbard-KF4



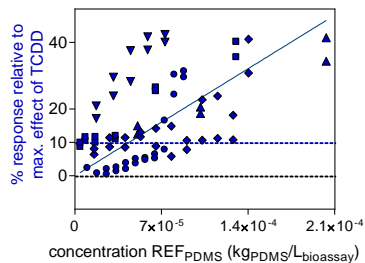
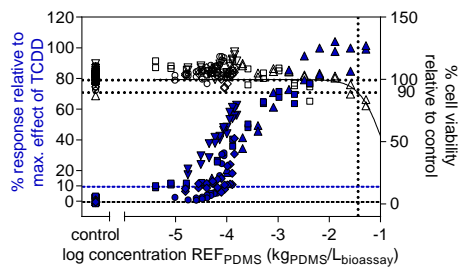
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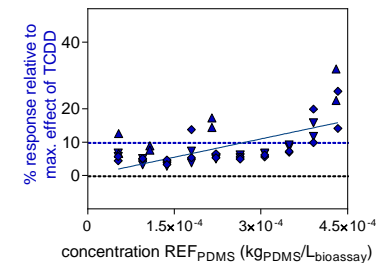
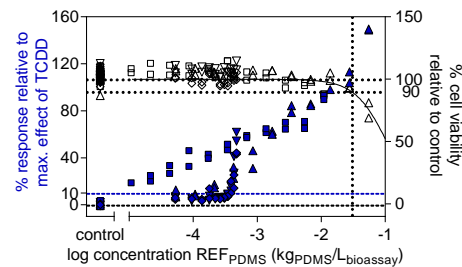
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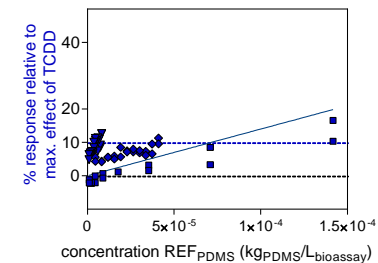
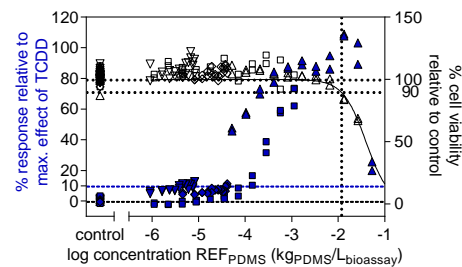
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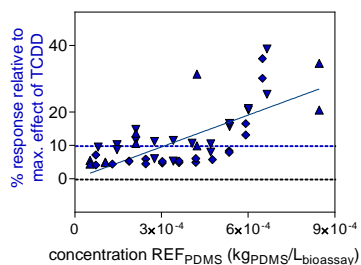
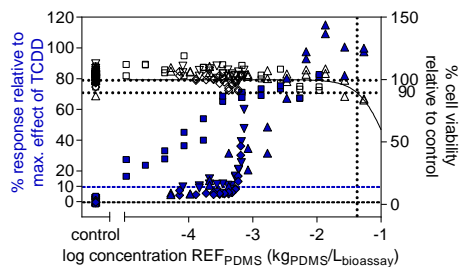
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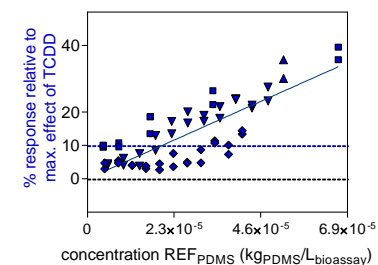
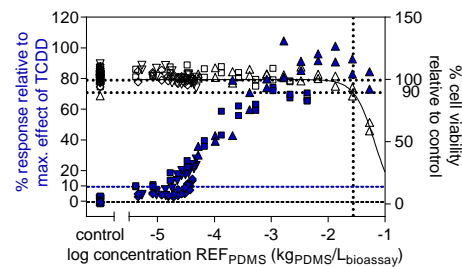
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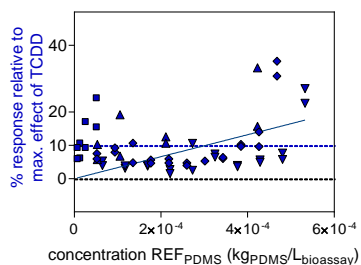
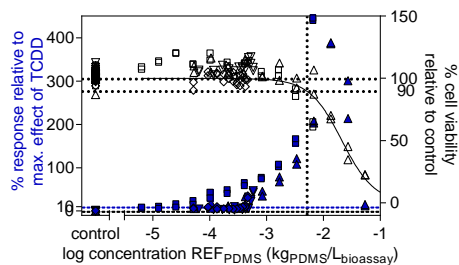
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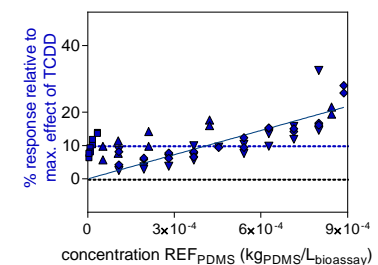
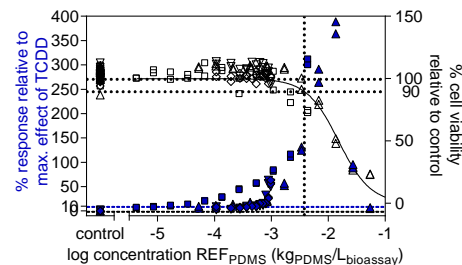
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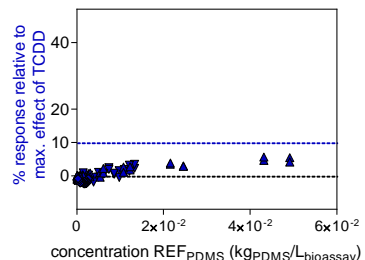
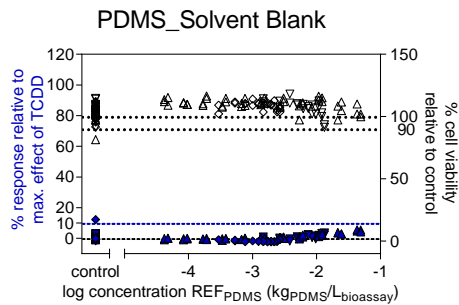
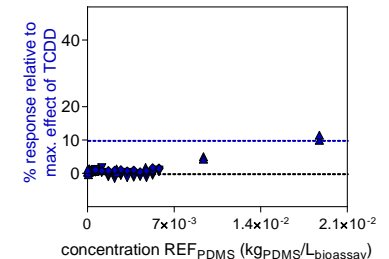
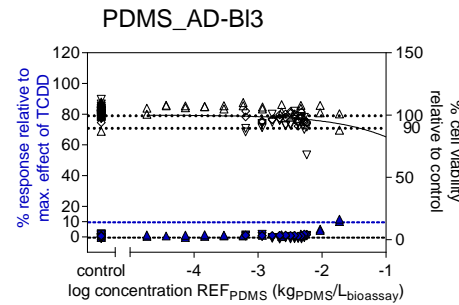
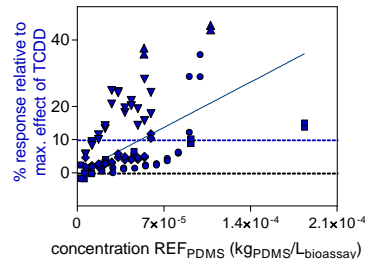
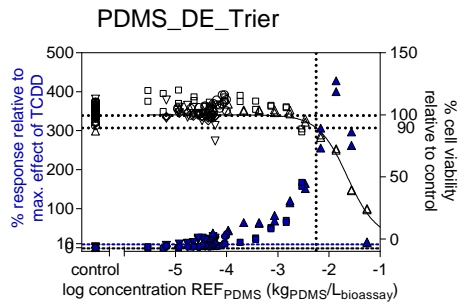
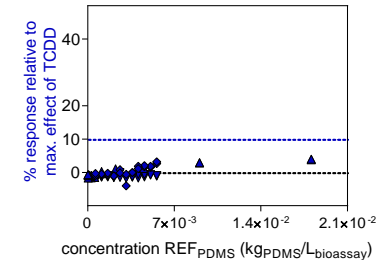
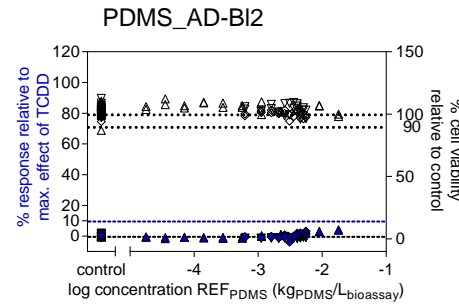
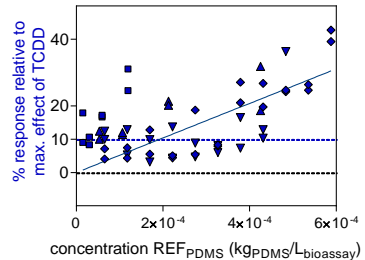
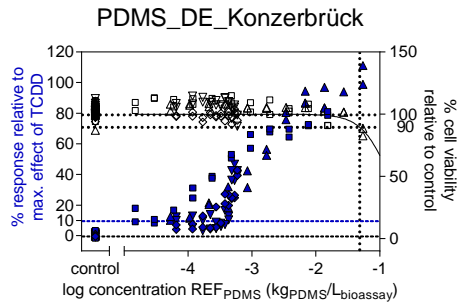
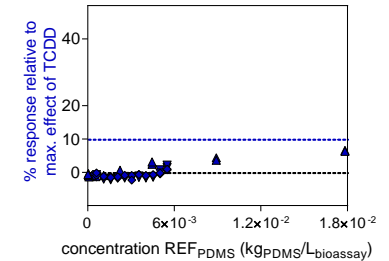
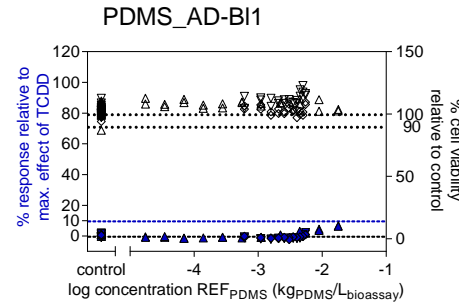
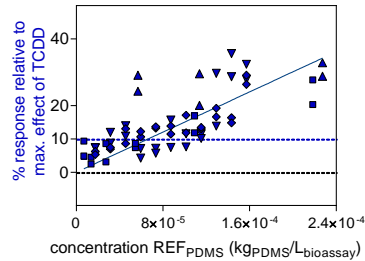
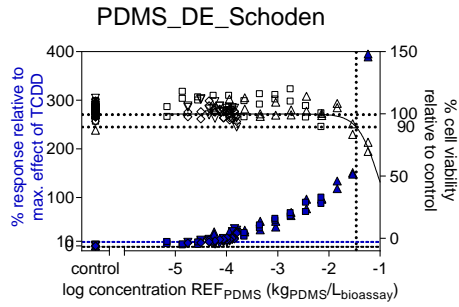


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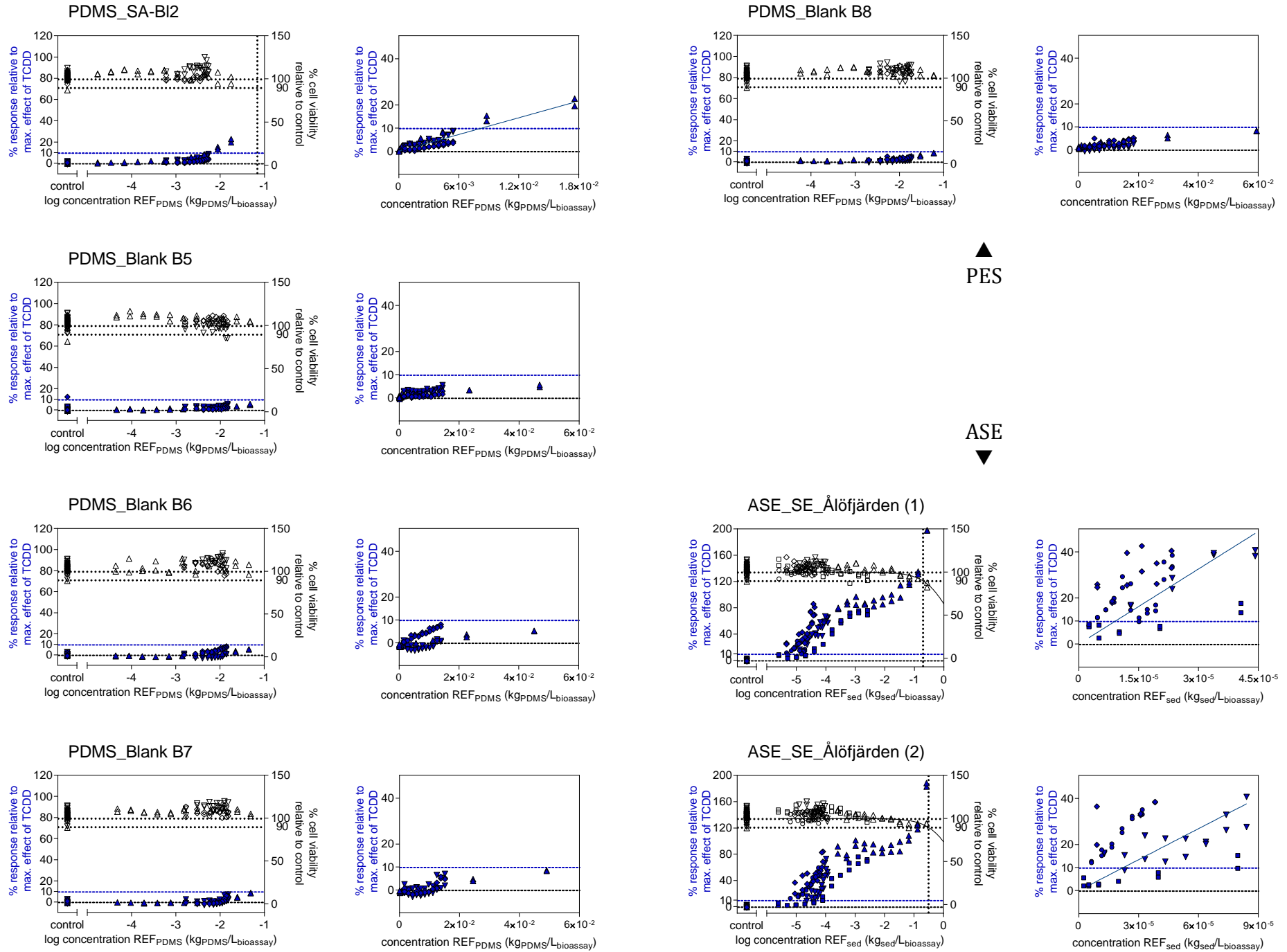


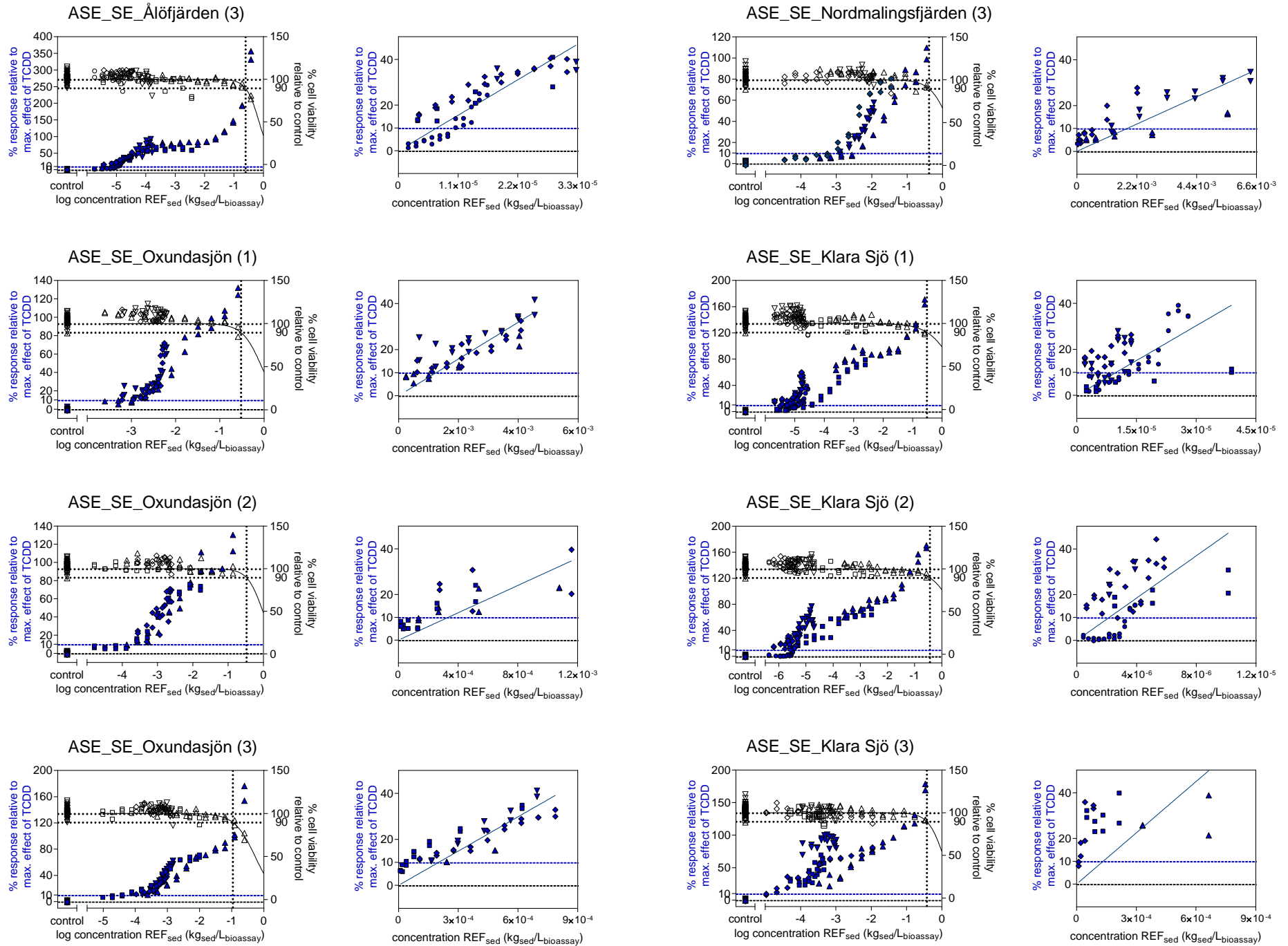
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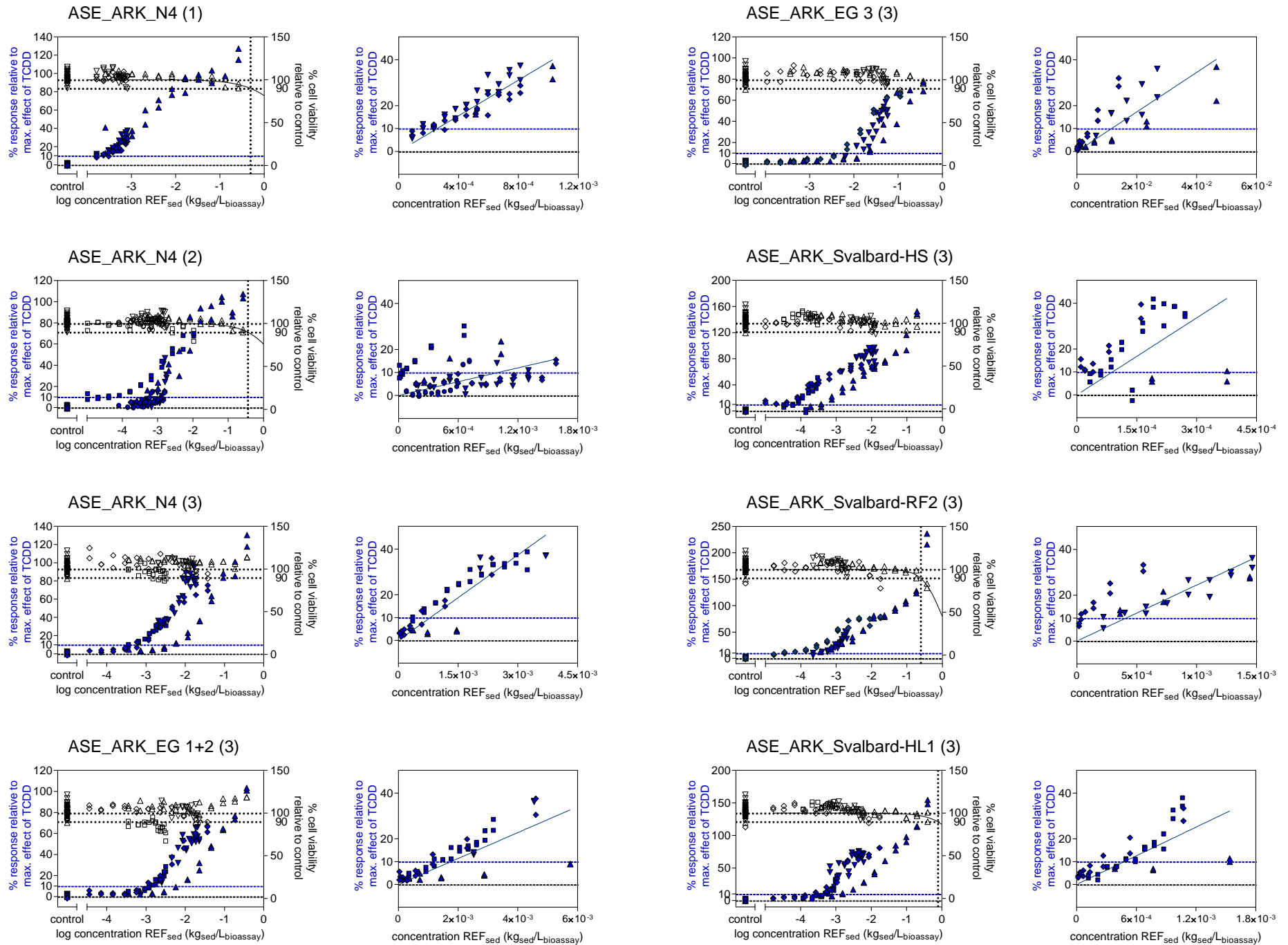
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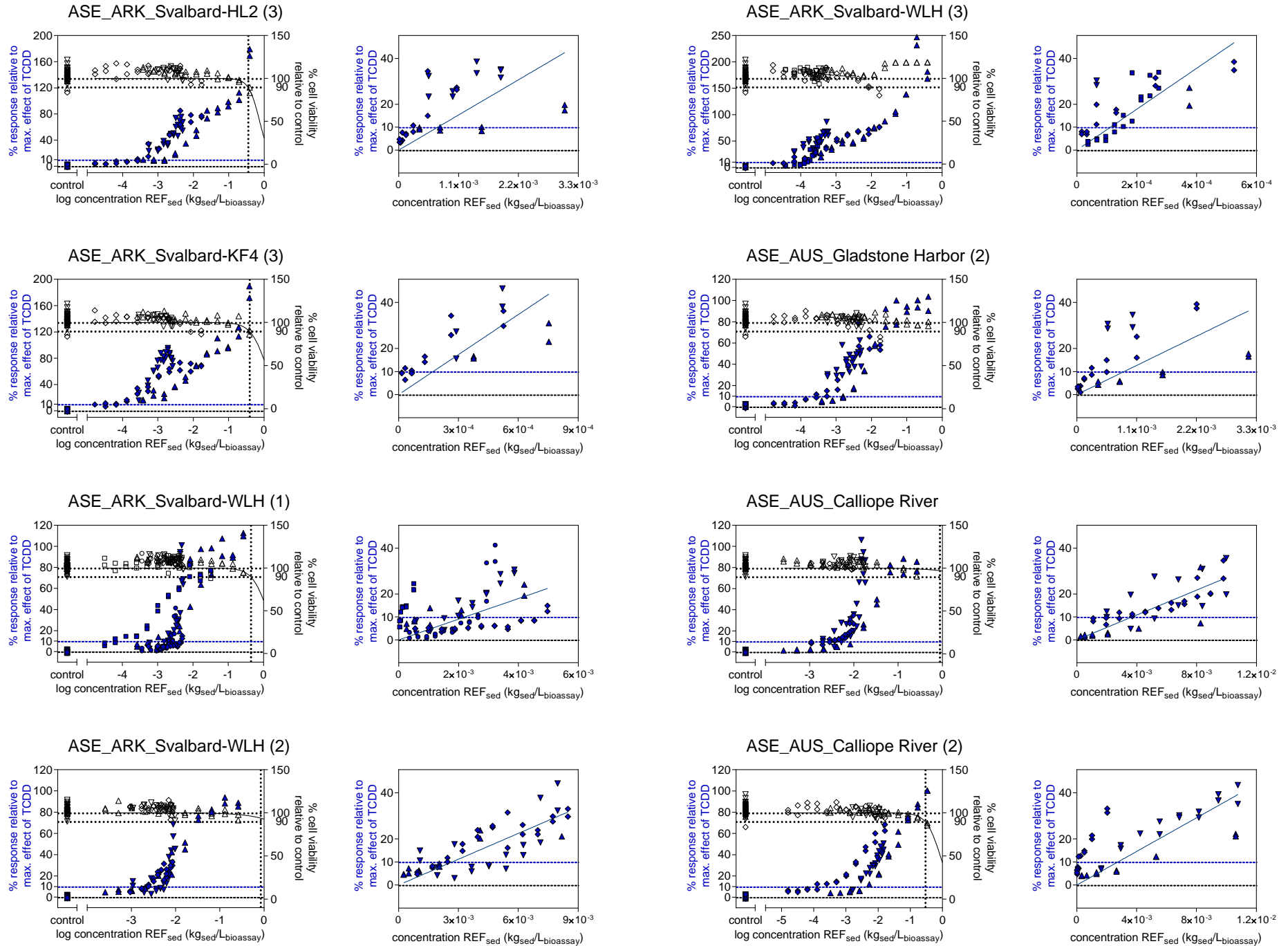




Supporting Information

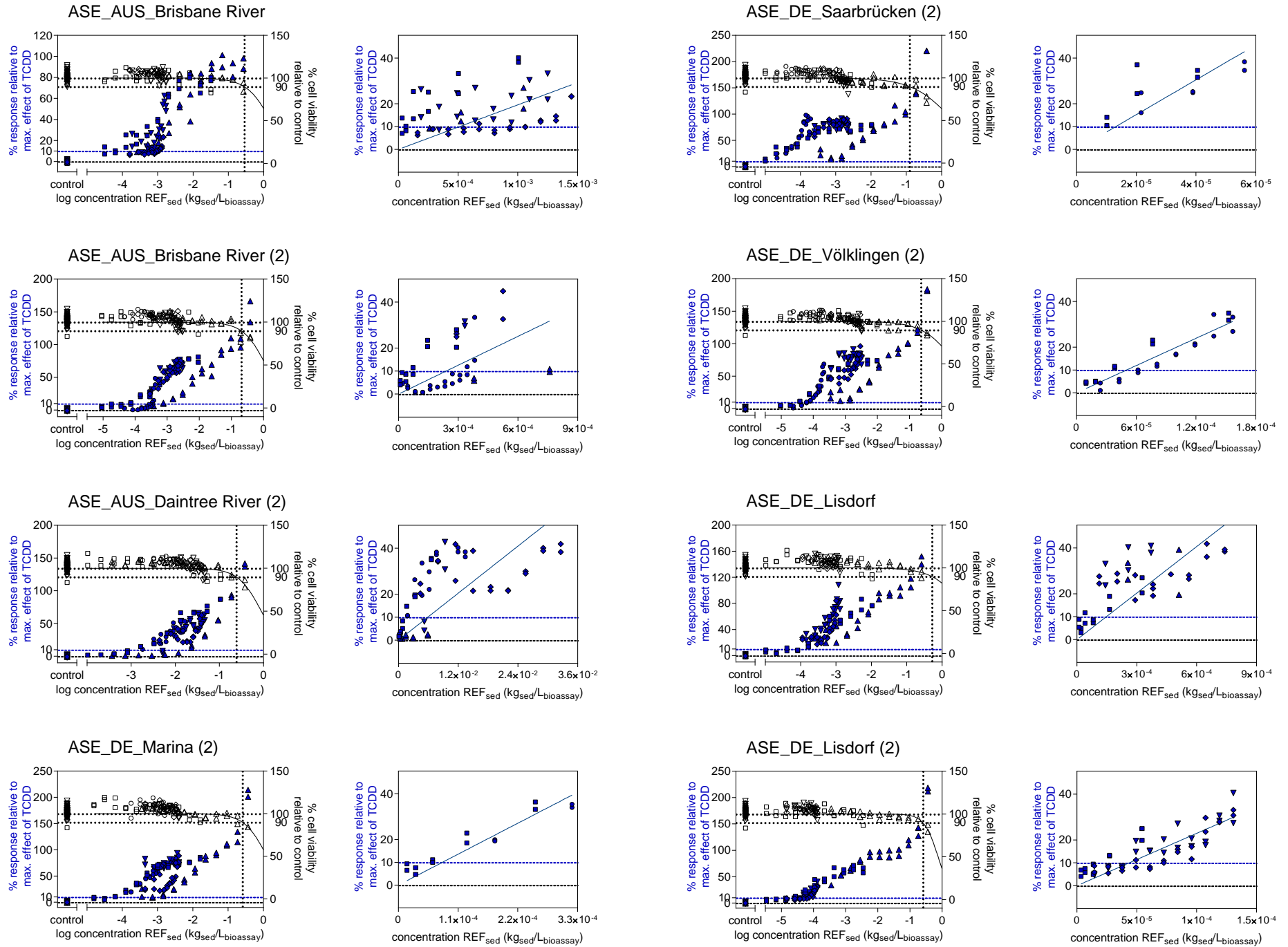
Figure DS1: Logarithmic and linear concentration-effect curves for AhR

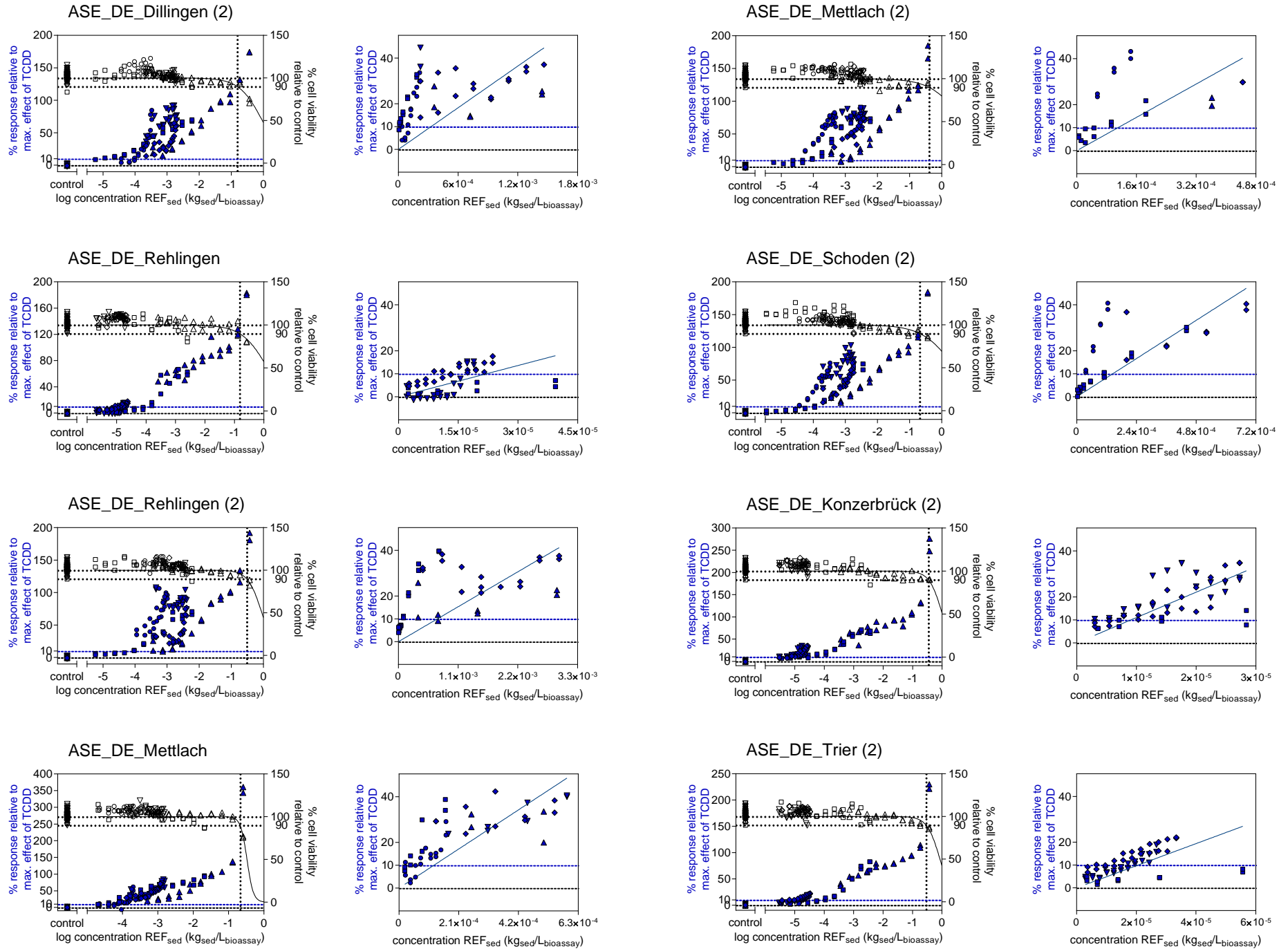


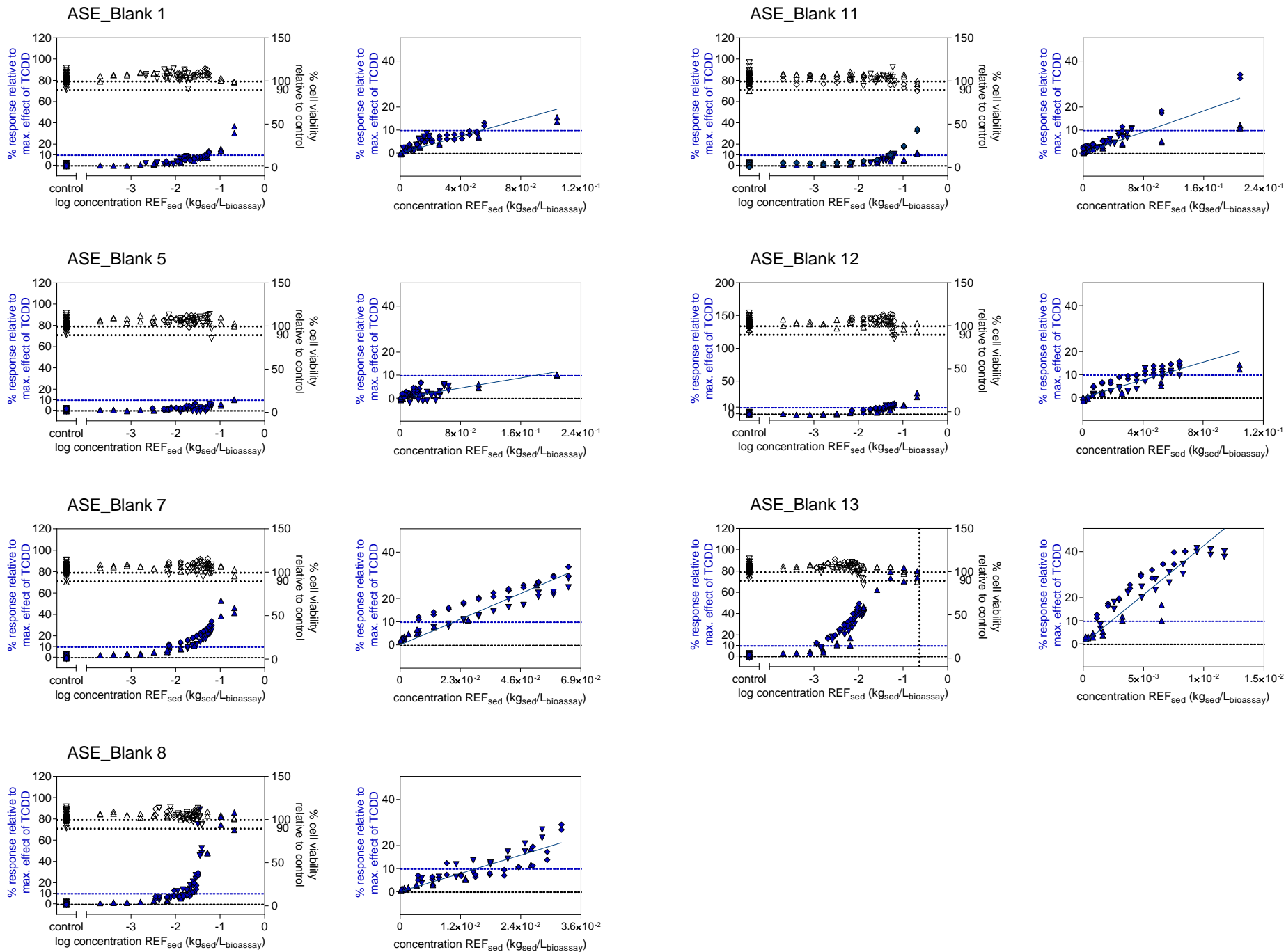


Supporting Information

Figure DS1: Logarithmic and linear concentration-effect curves for AhR

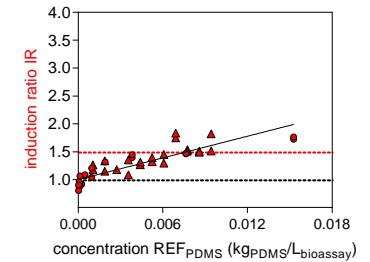
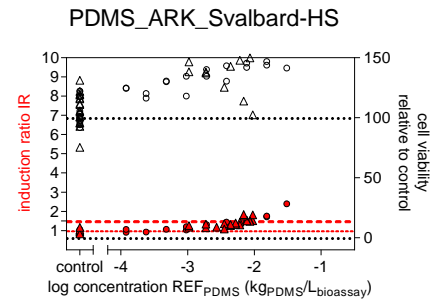
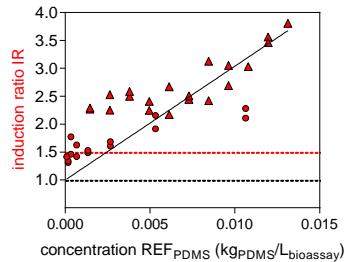
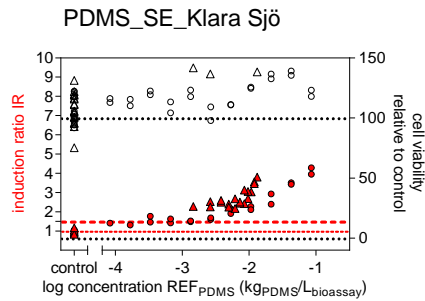
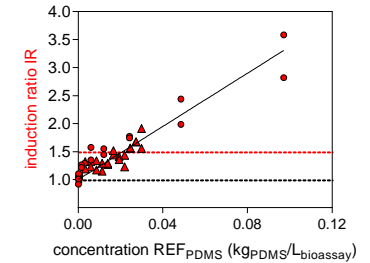
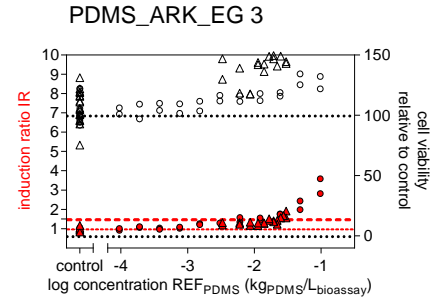
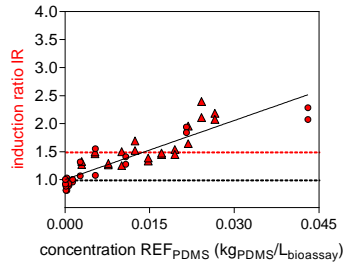
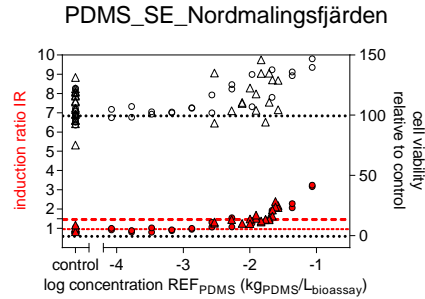
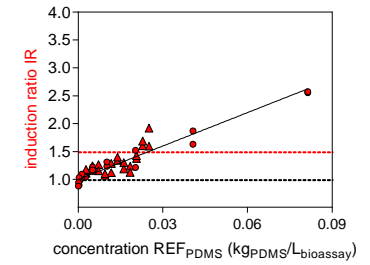
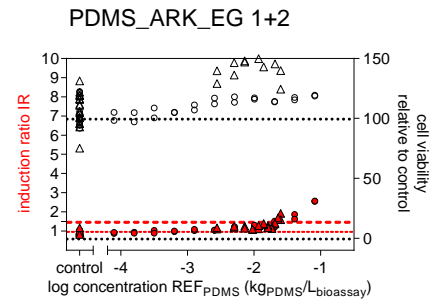
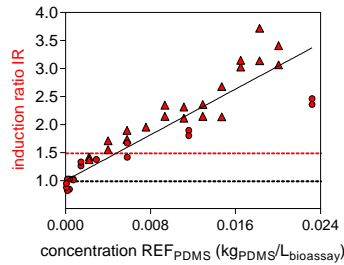
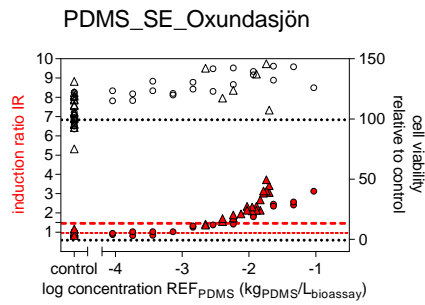
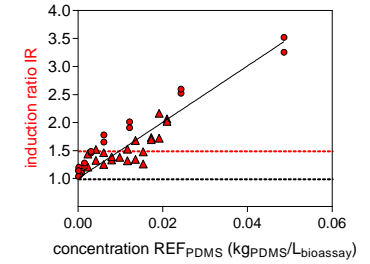
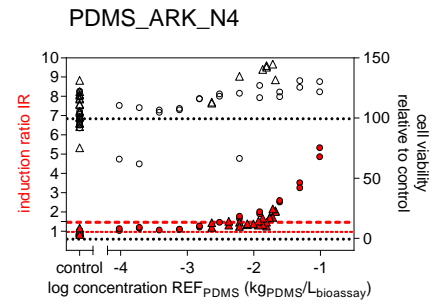
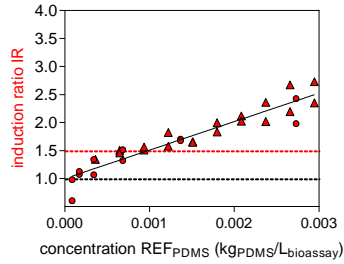
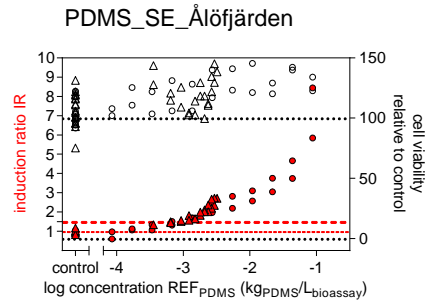


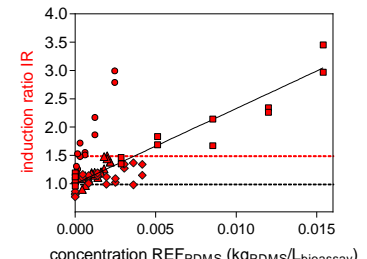
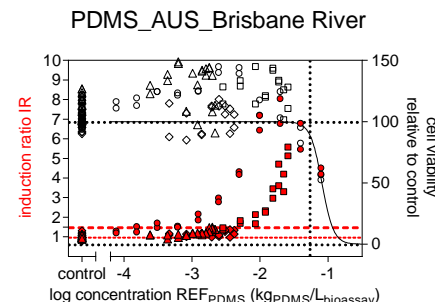
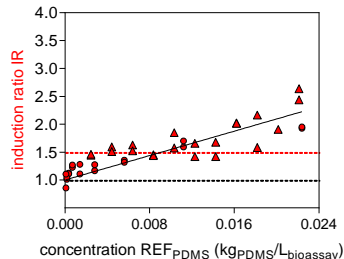
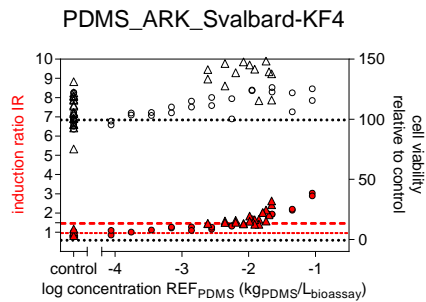
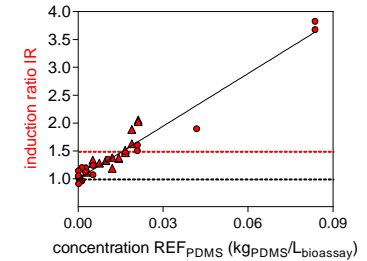
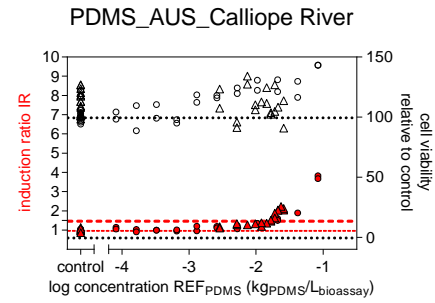
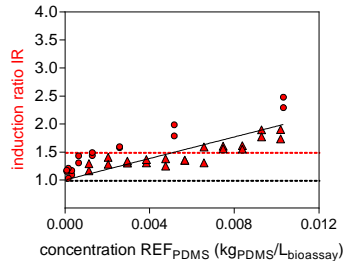
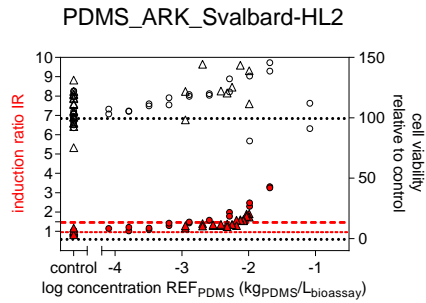
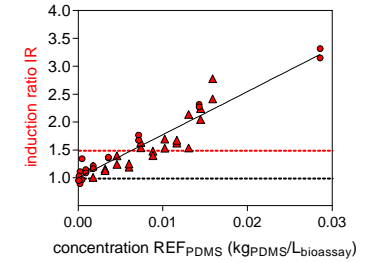
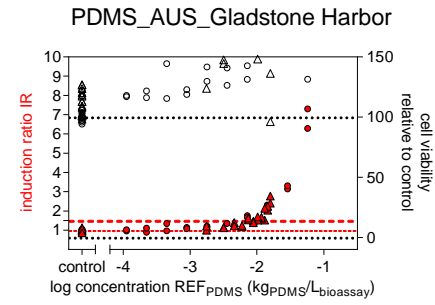
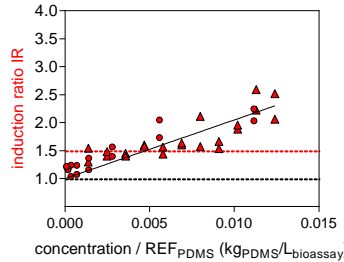
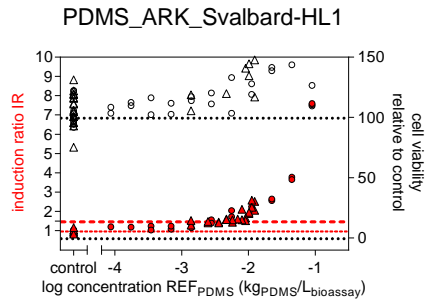
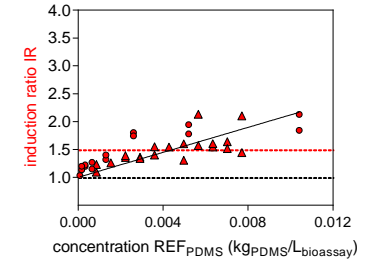
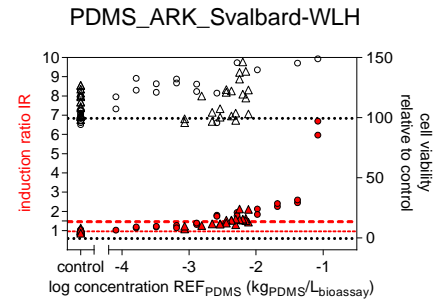
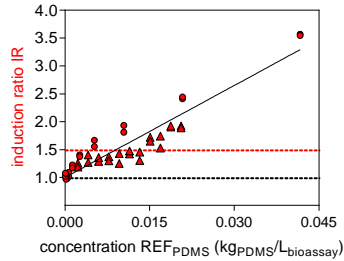
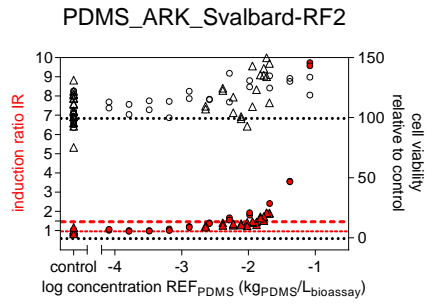


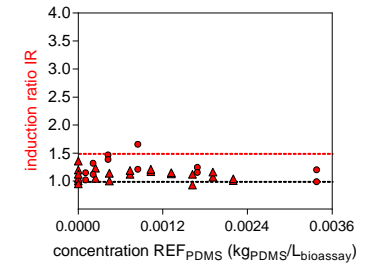
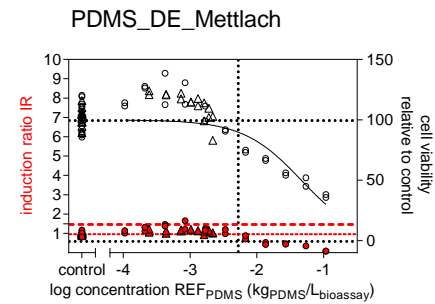
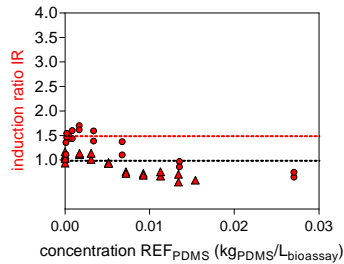
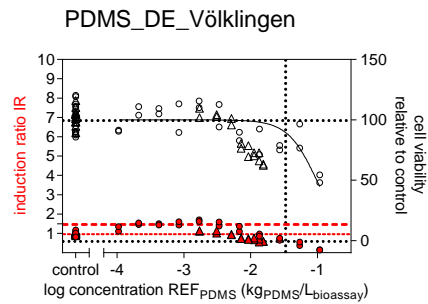
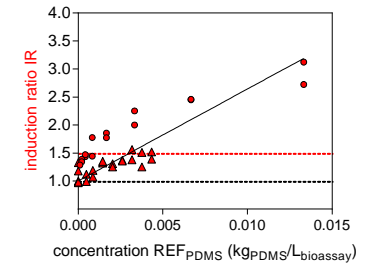
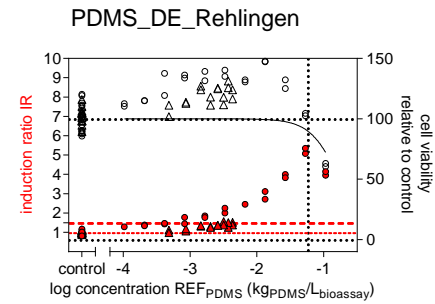
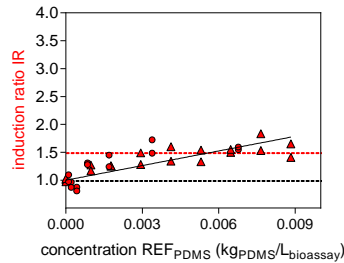
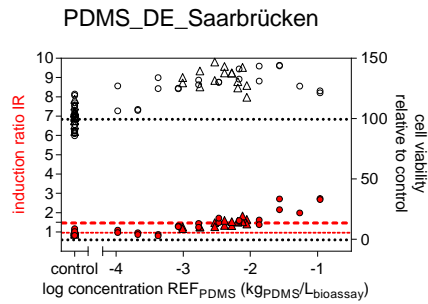
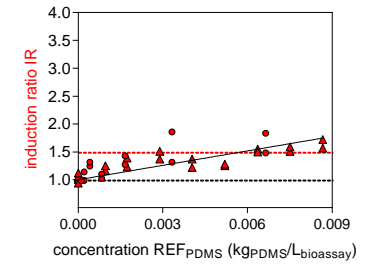
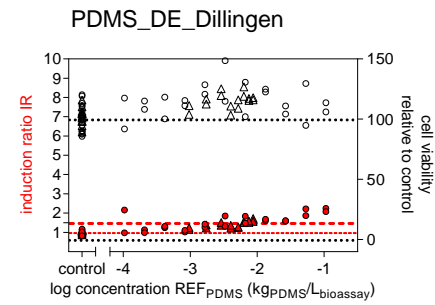
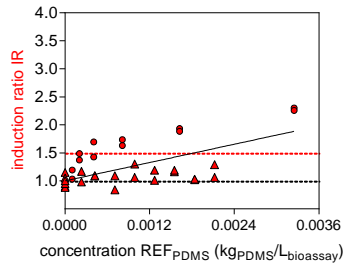
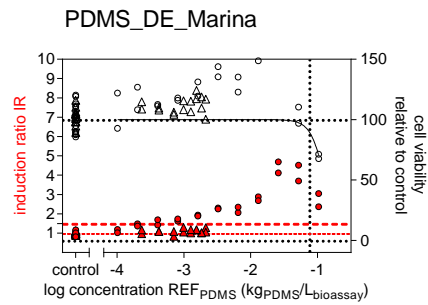
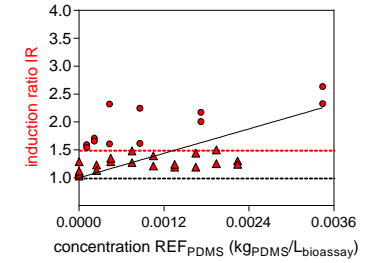
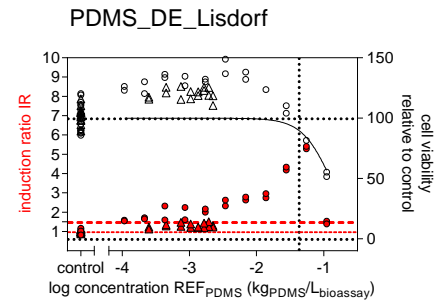
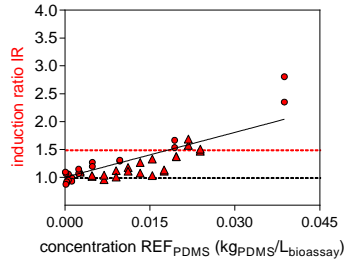
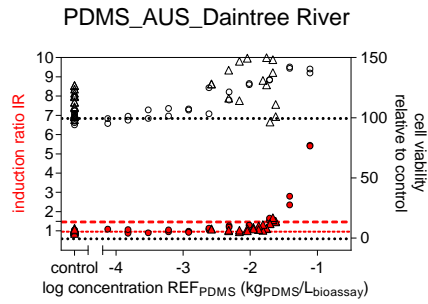


Supporting Information

Figure DS2: Logarithmic and linear concentration-effect curves for AREc32

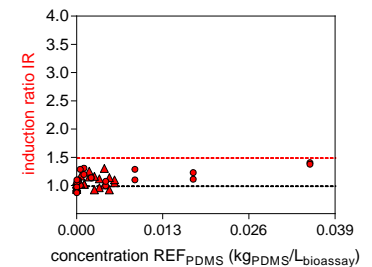
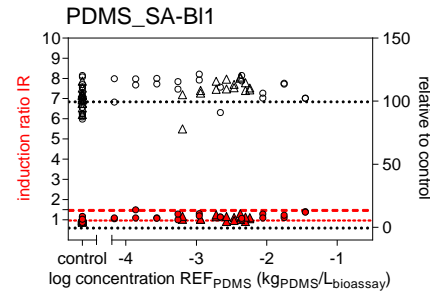
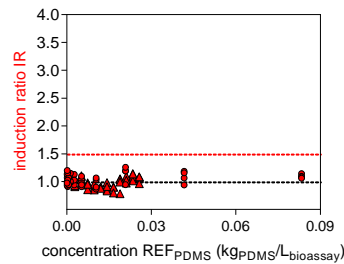
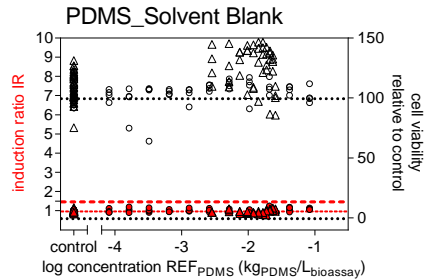
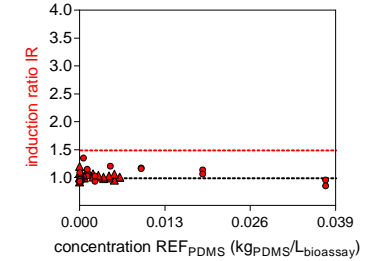
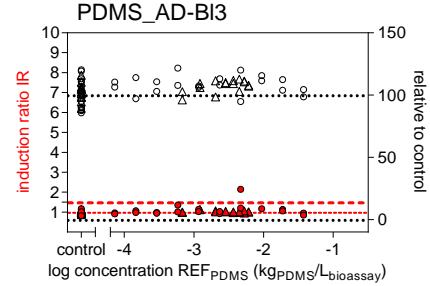
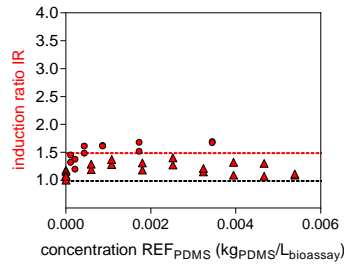
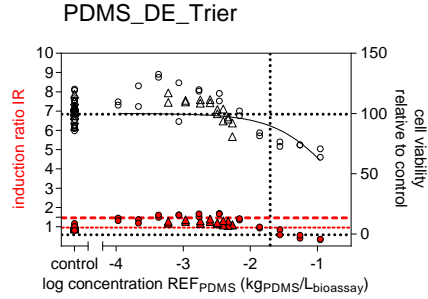
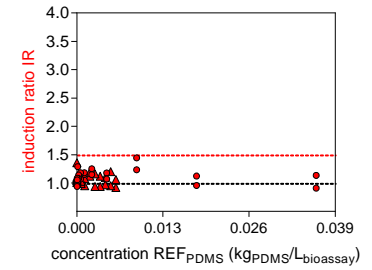
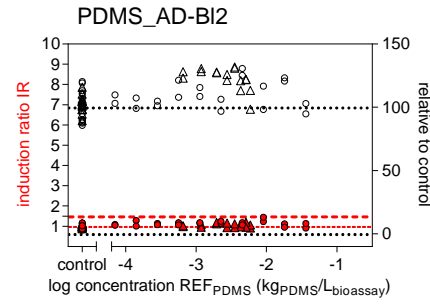
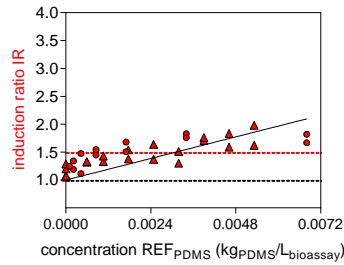
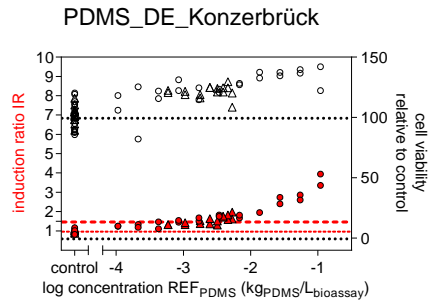
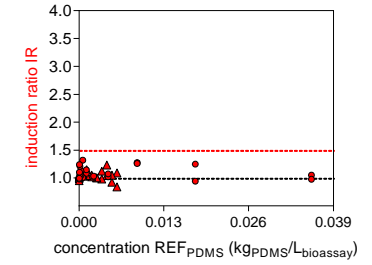
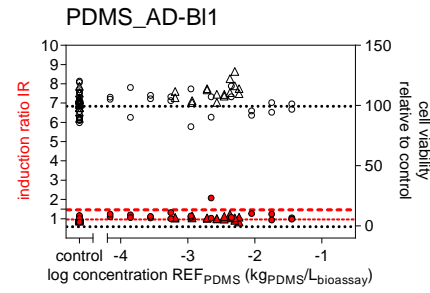
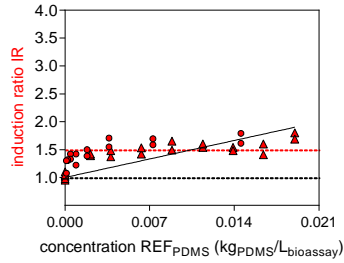
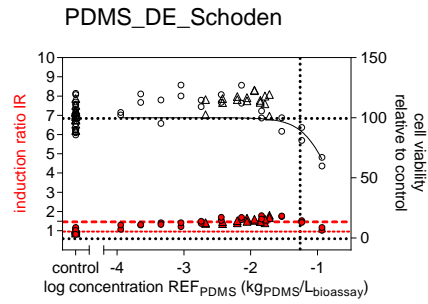


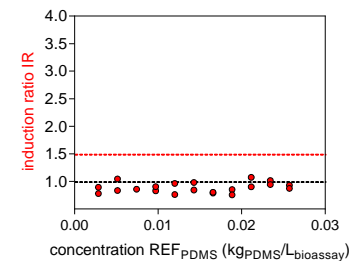
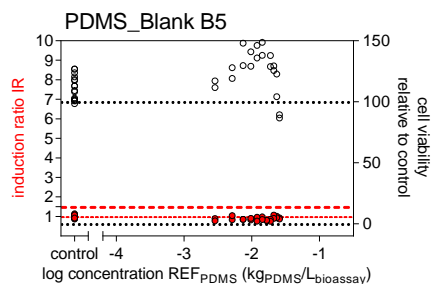
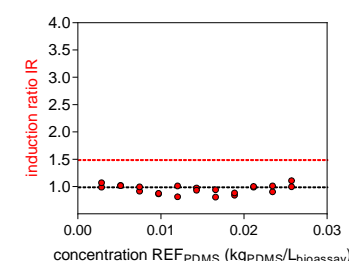
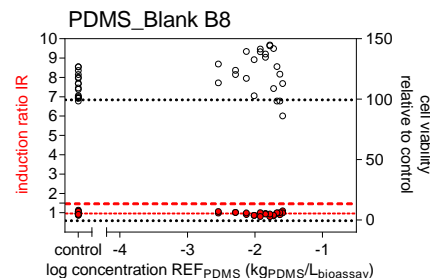
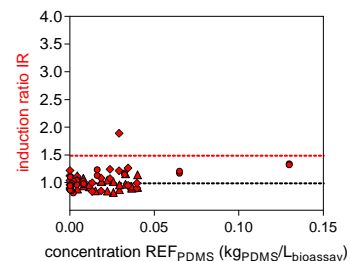
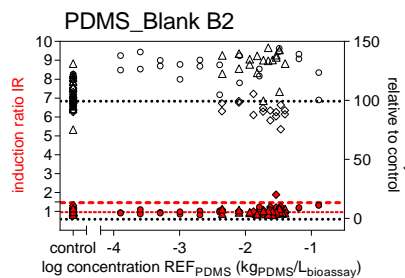
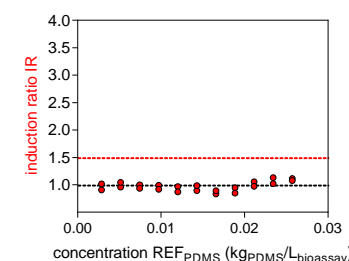
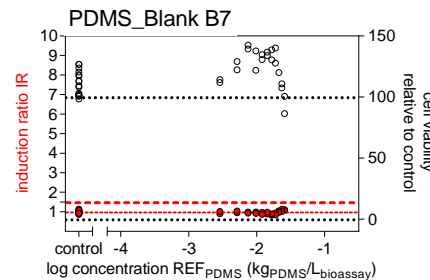
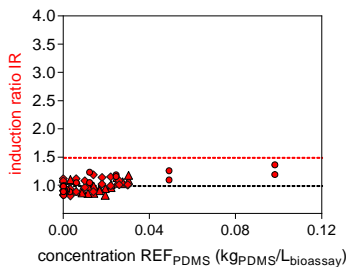
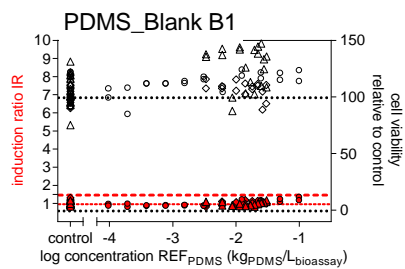
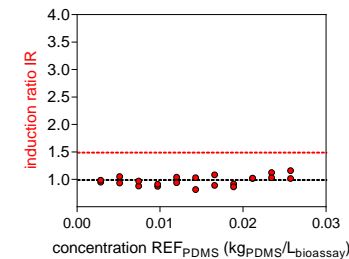
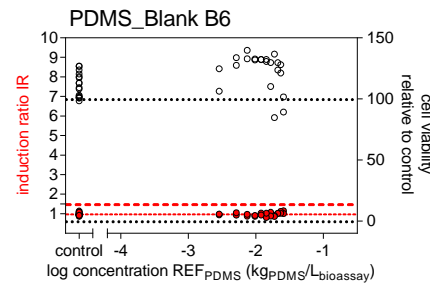
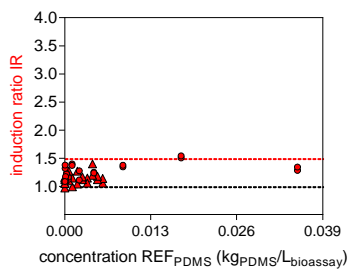
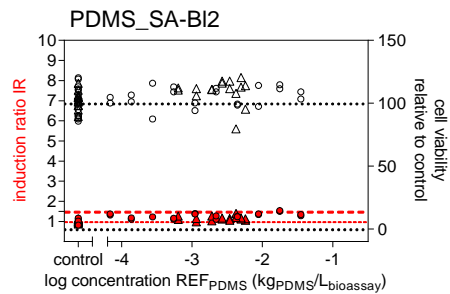




Supporting Information

Figure DS2: Logarithmic and linear concentration-effect curves for AREc32

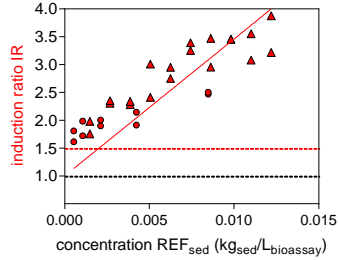
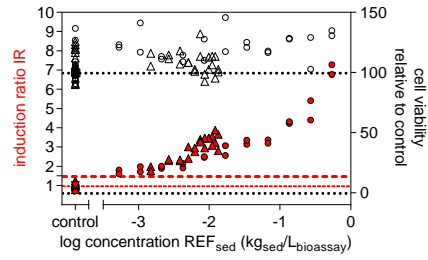




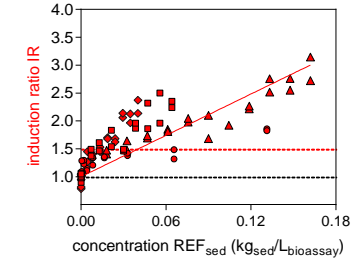
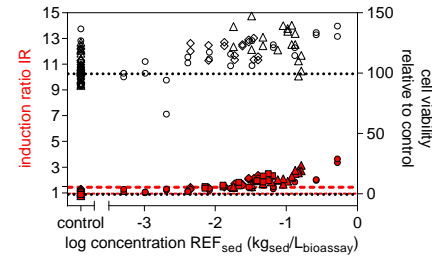
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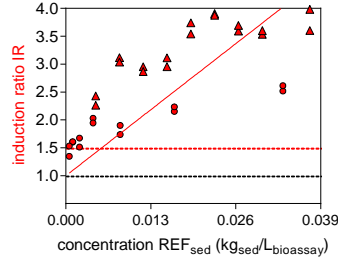
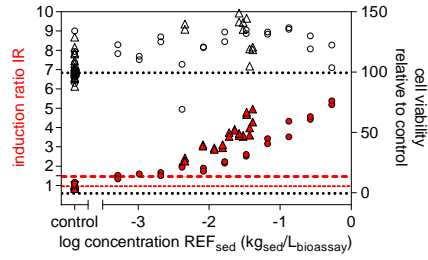
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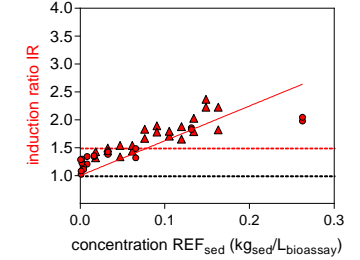
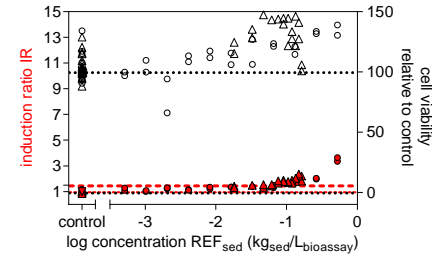
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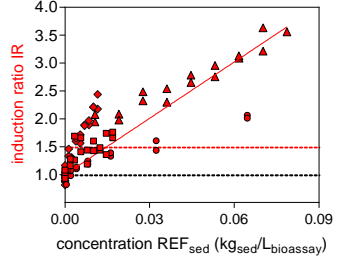
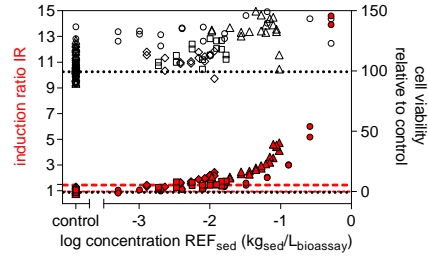
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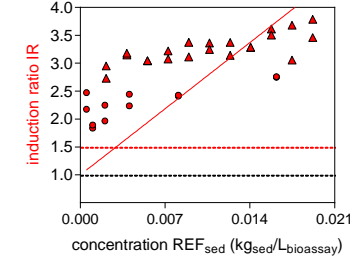
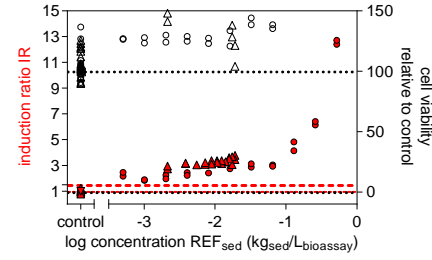
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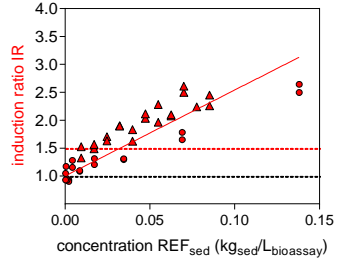
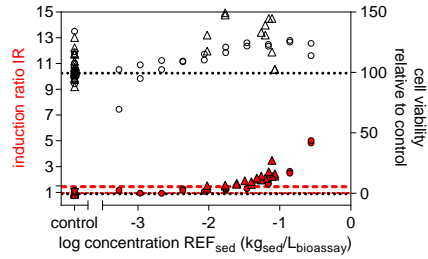
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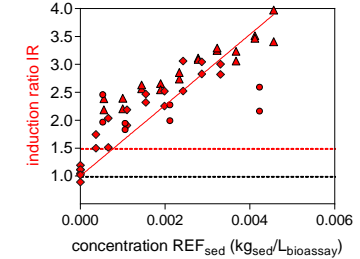
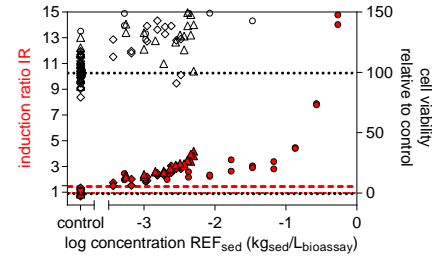
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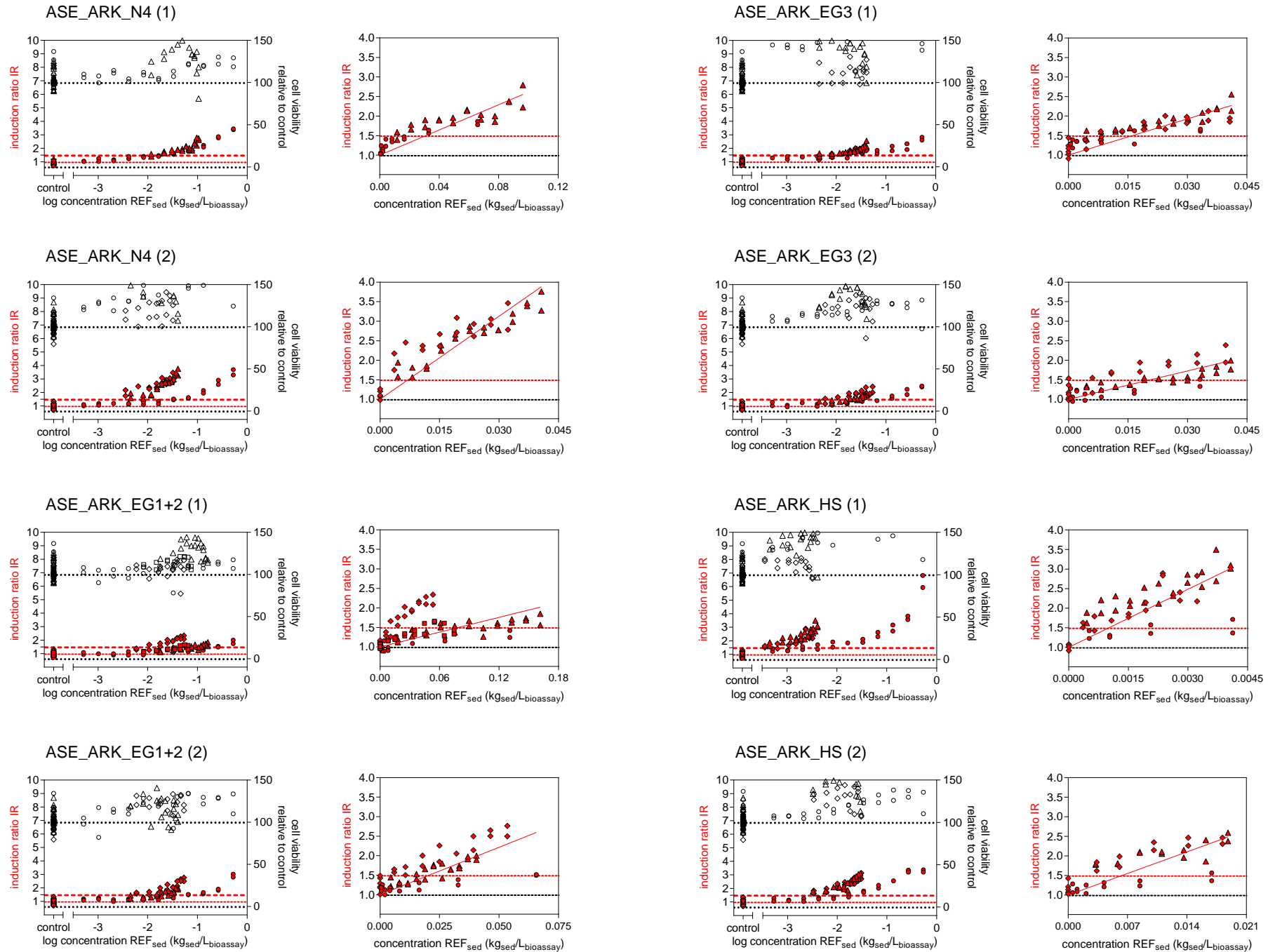


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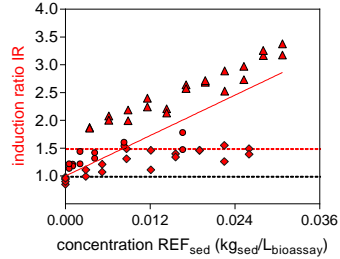
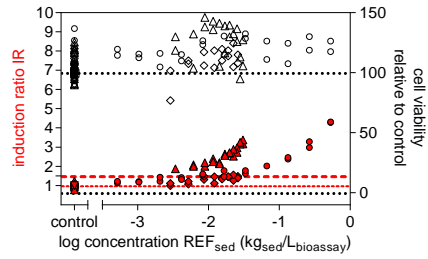


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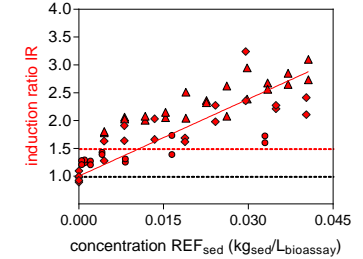
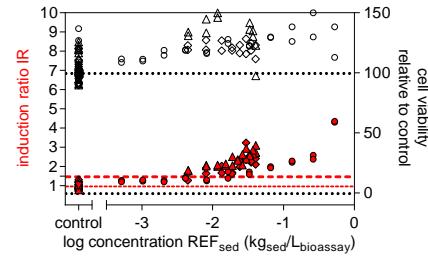




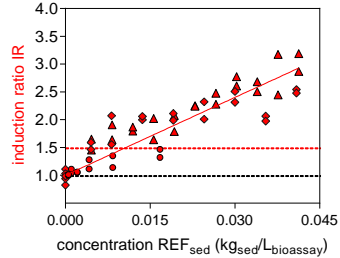
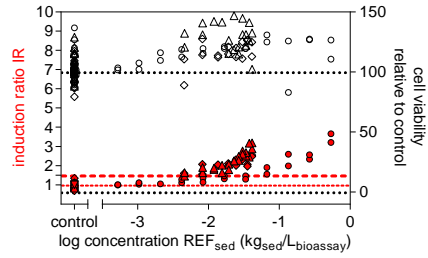
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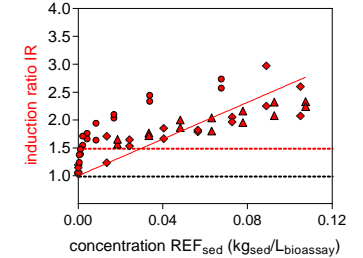
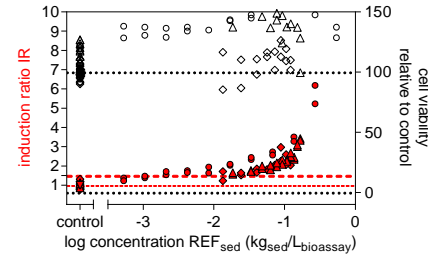
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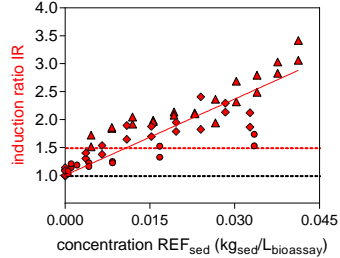
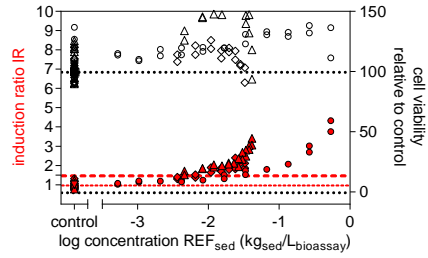
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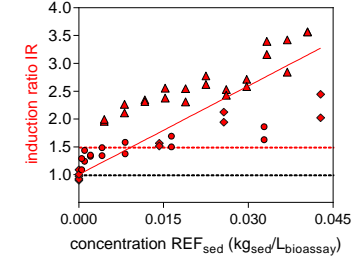
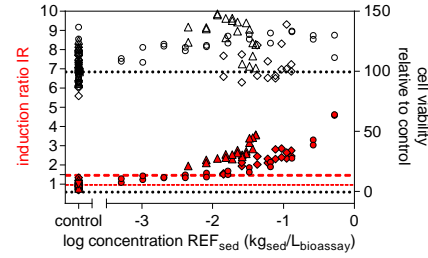
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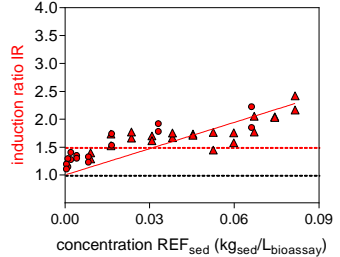
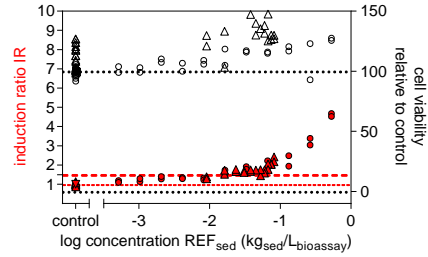
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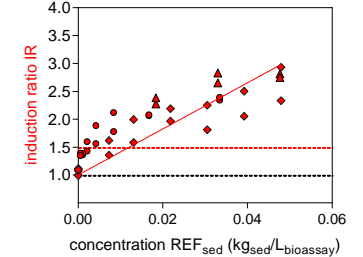
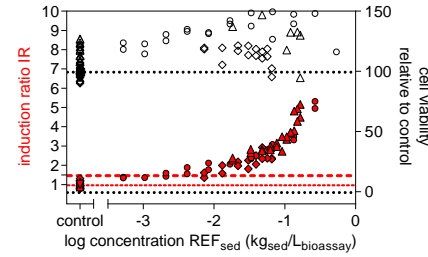
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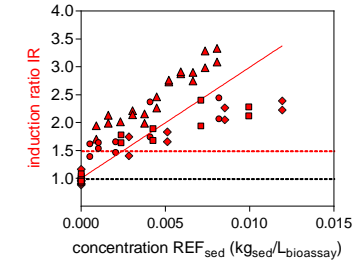
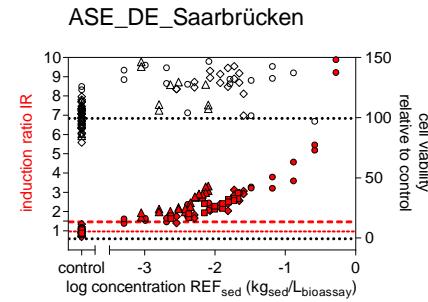
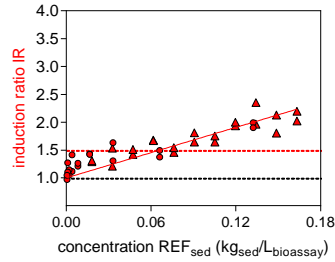
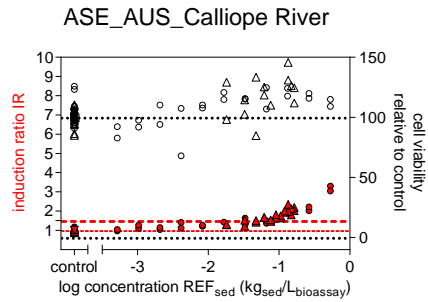
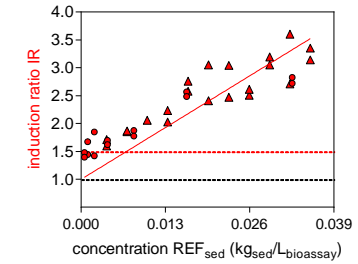
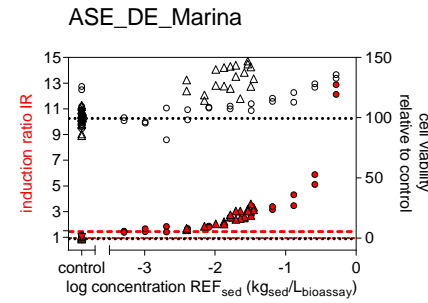
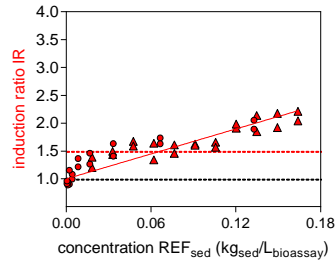
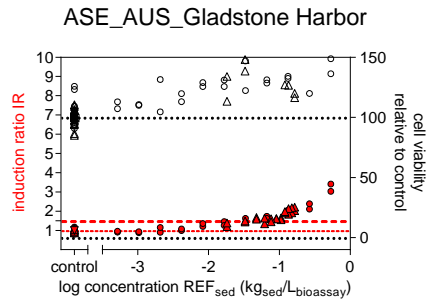
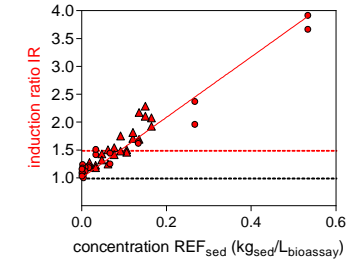
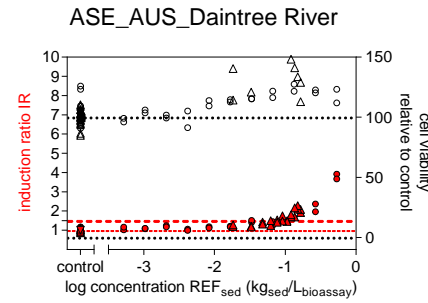
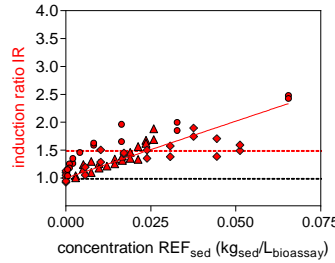
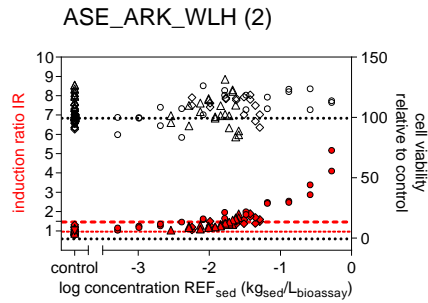
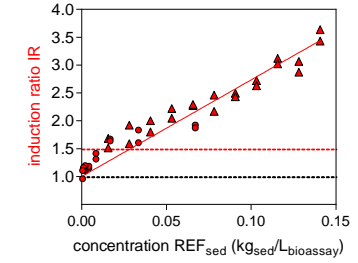
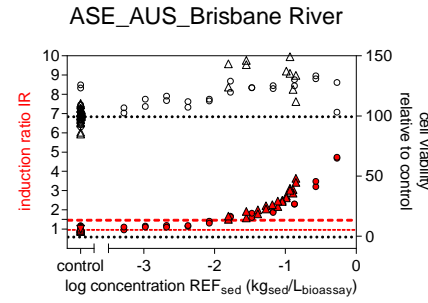
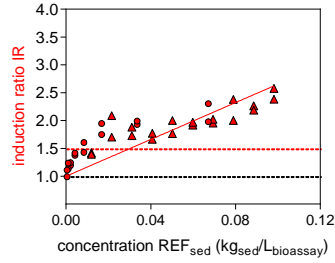
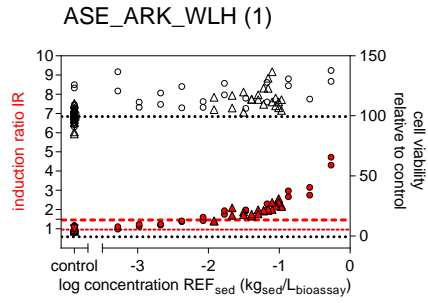


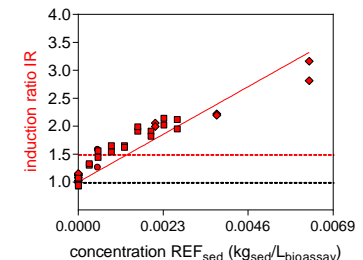
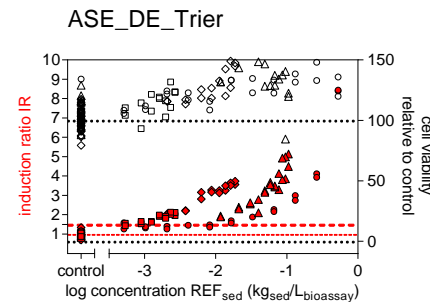
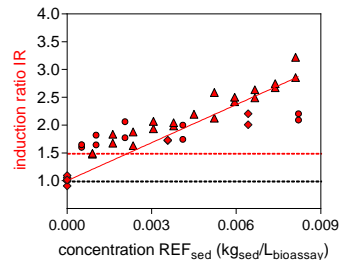
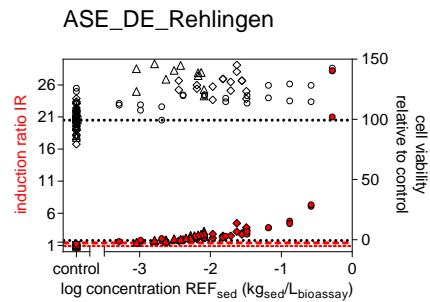
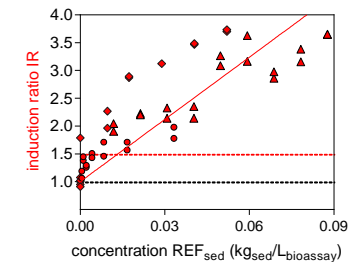
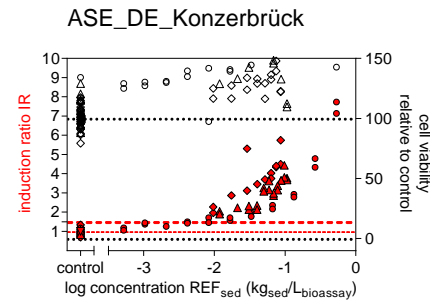
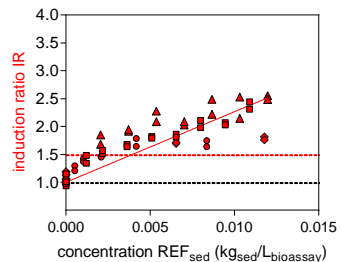
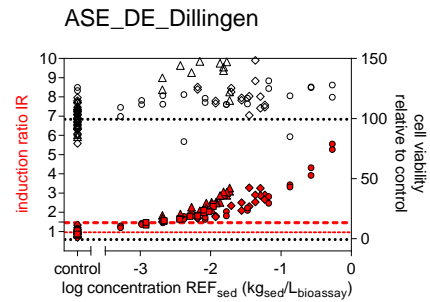
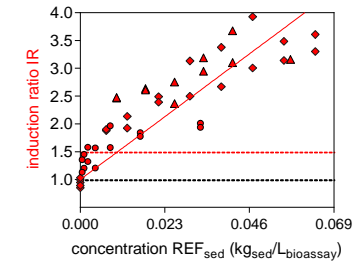
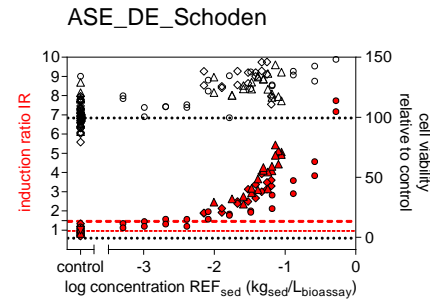
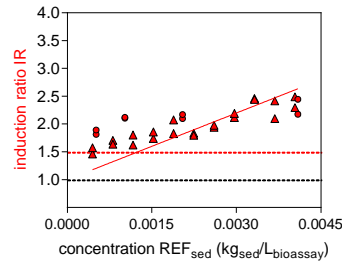
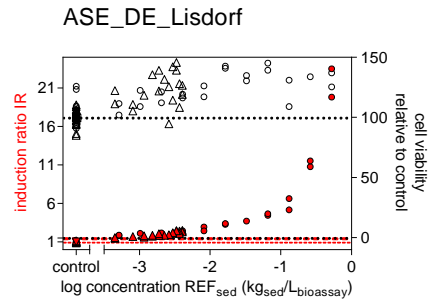
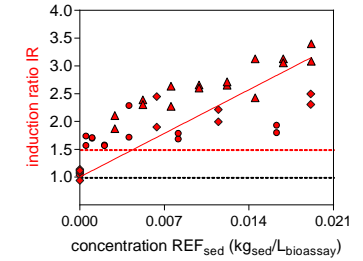
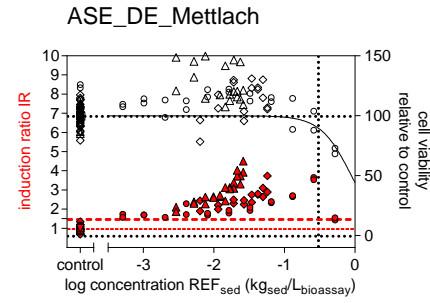
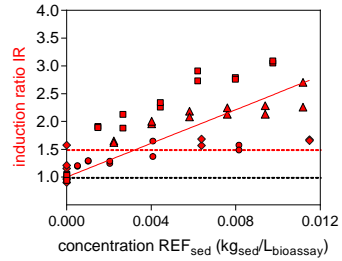
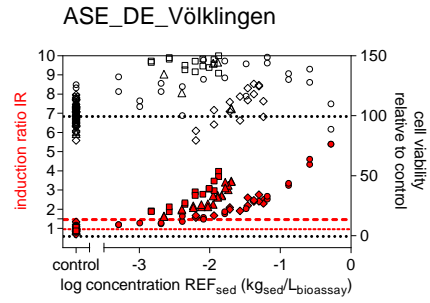
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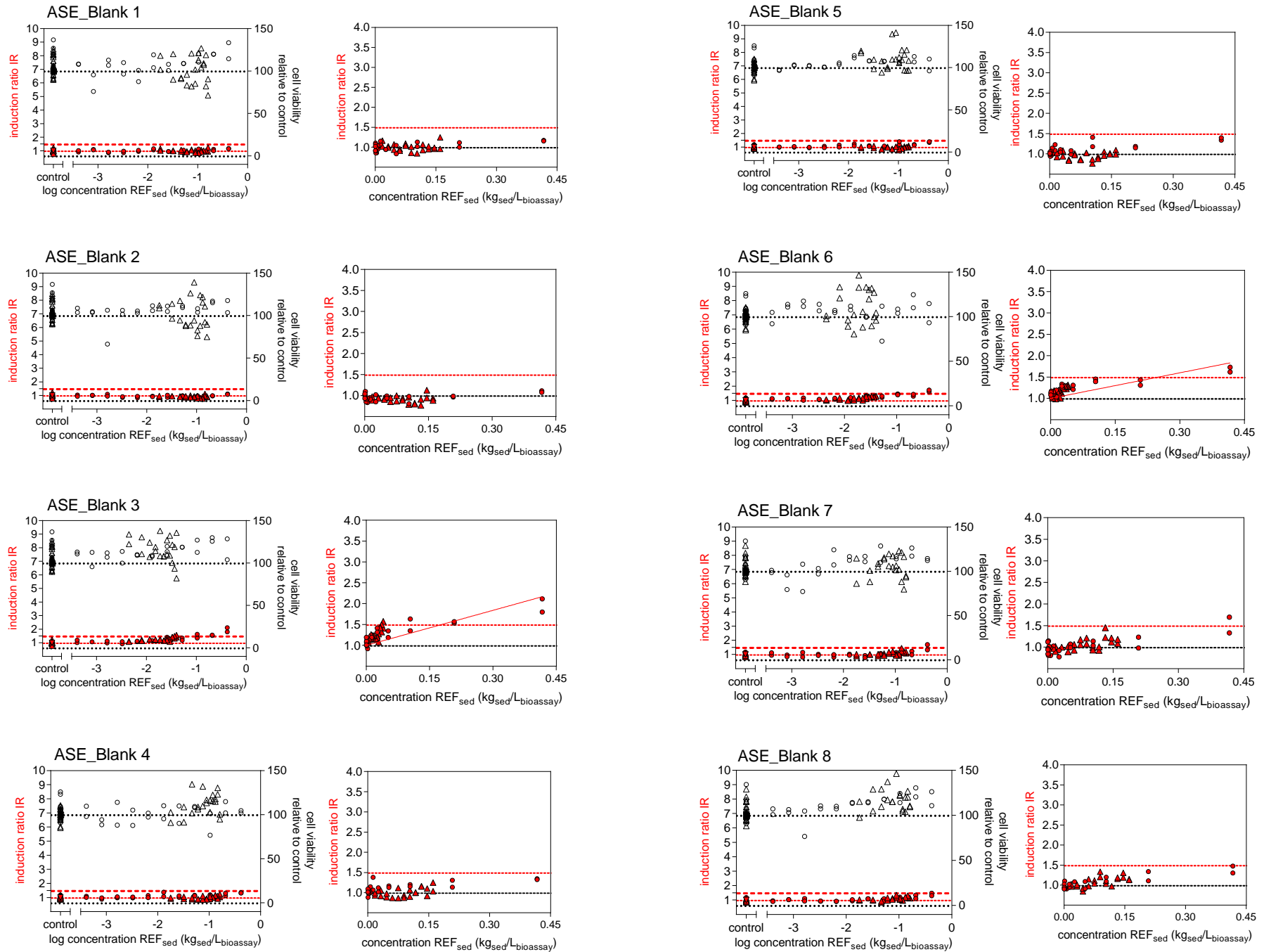


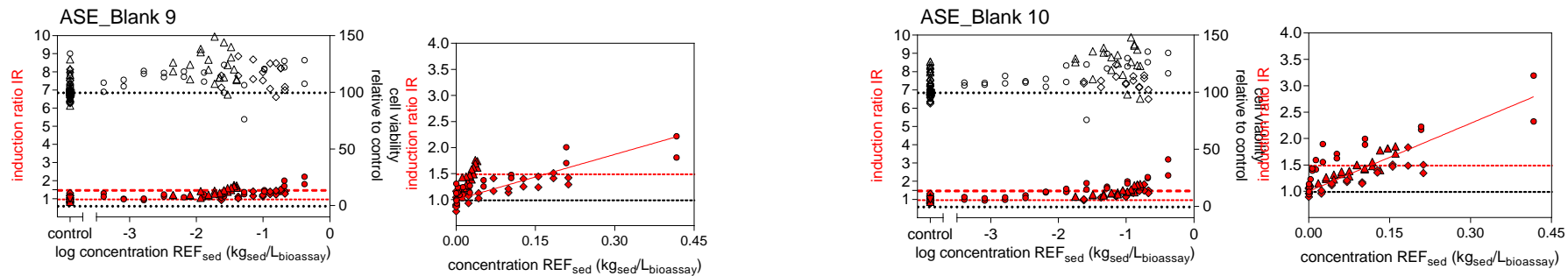
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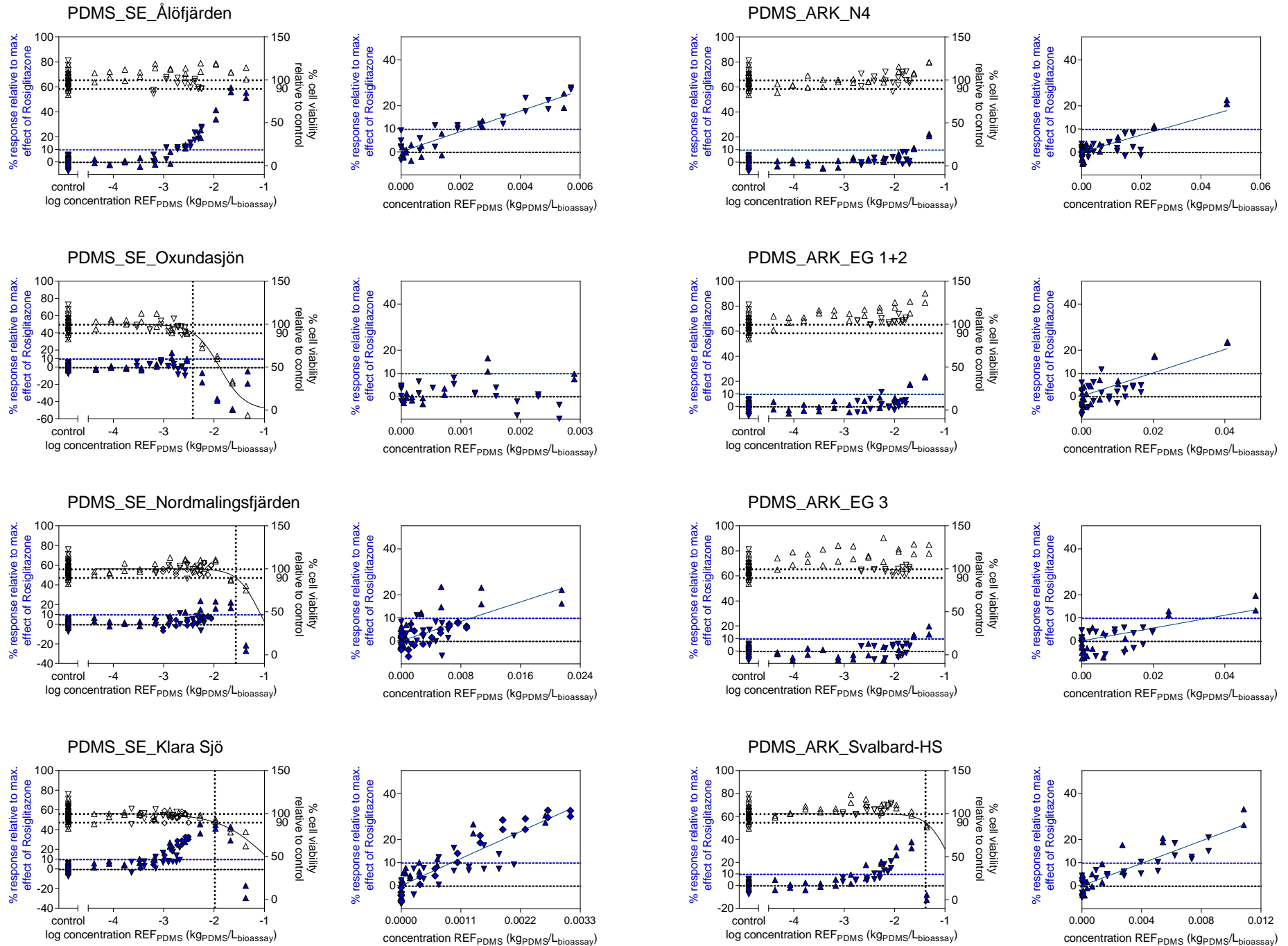


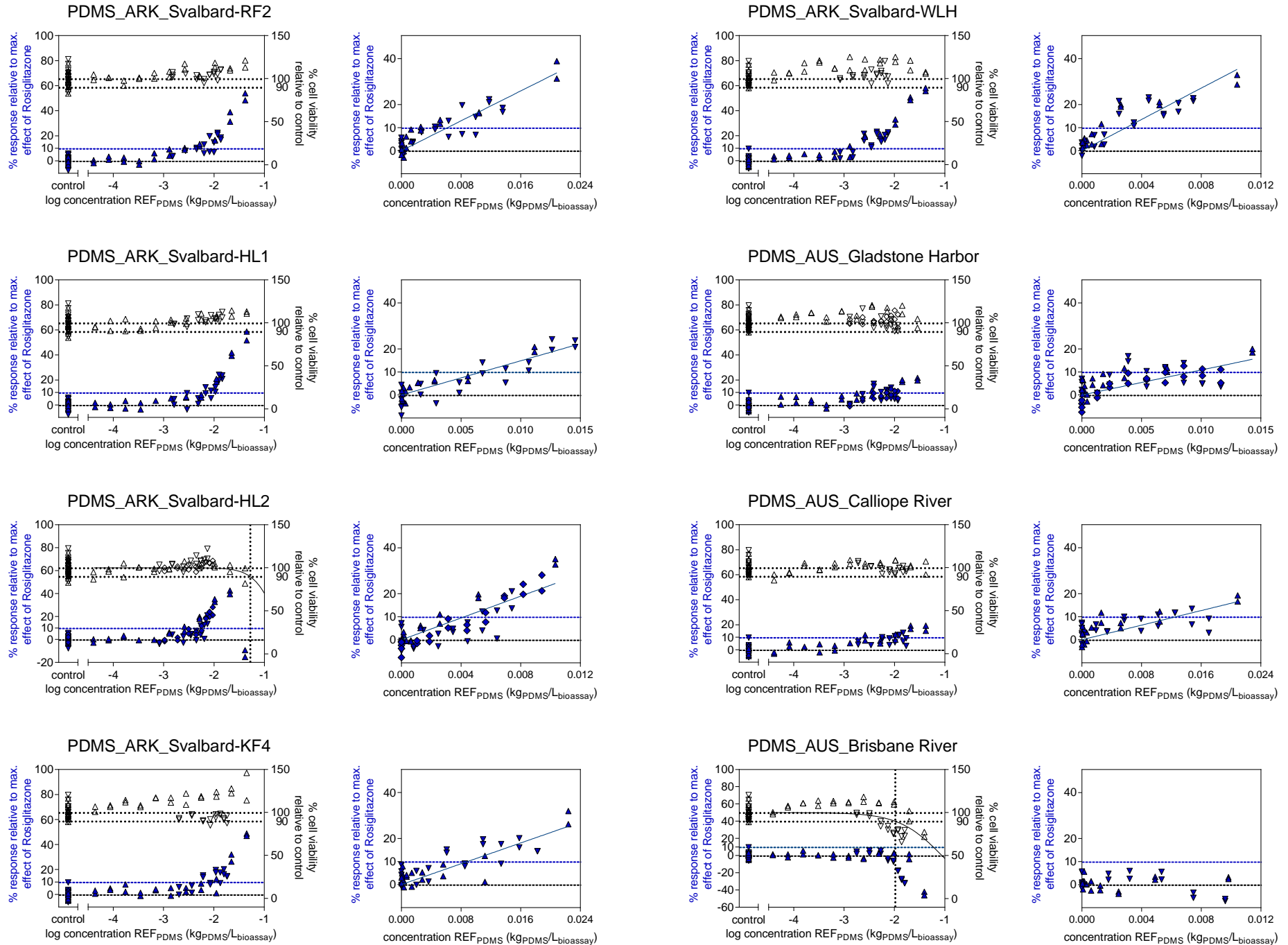


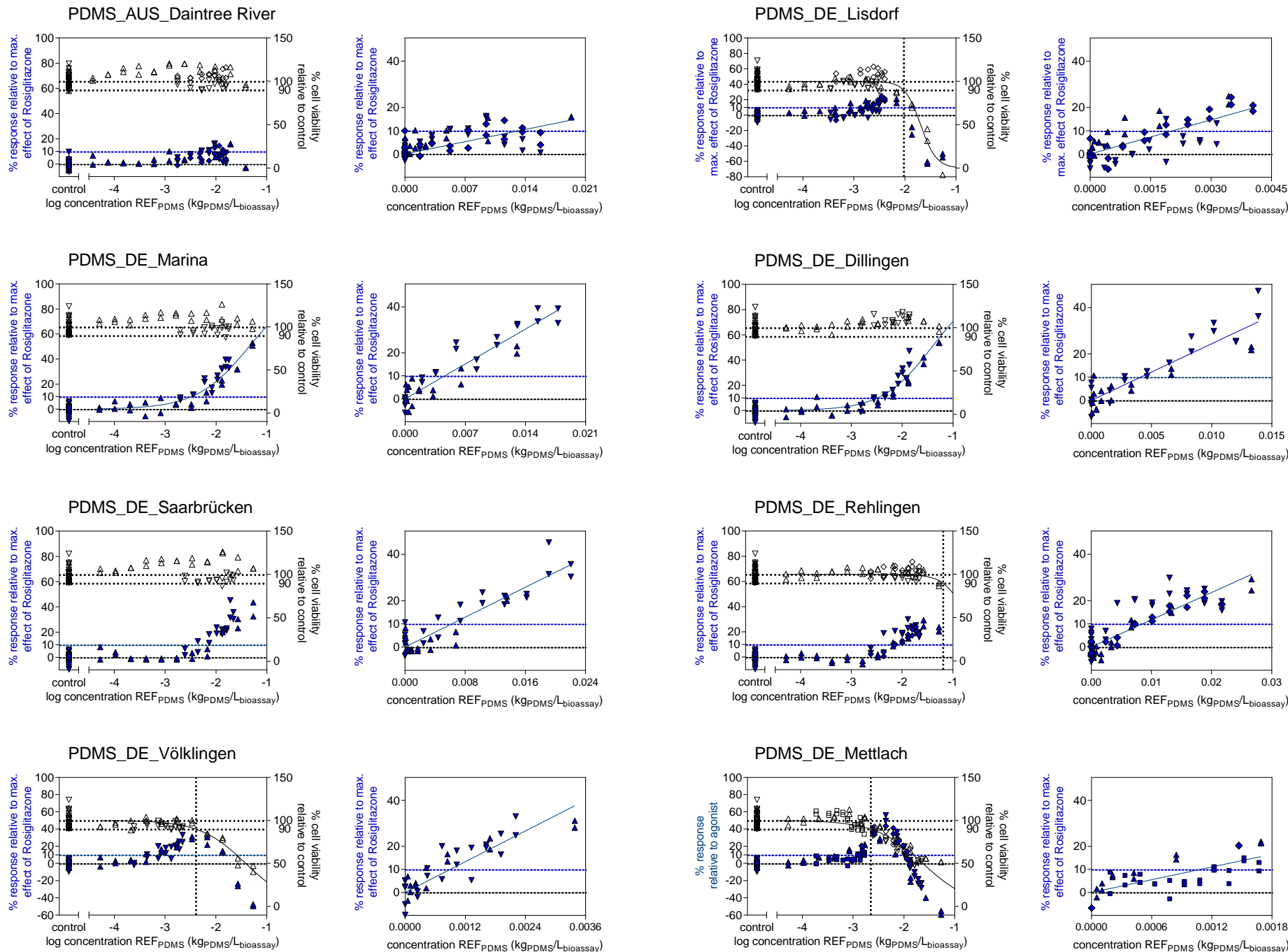






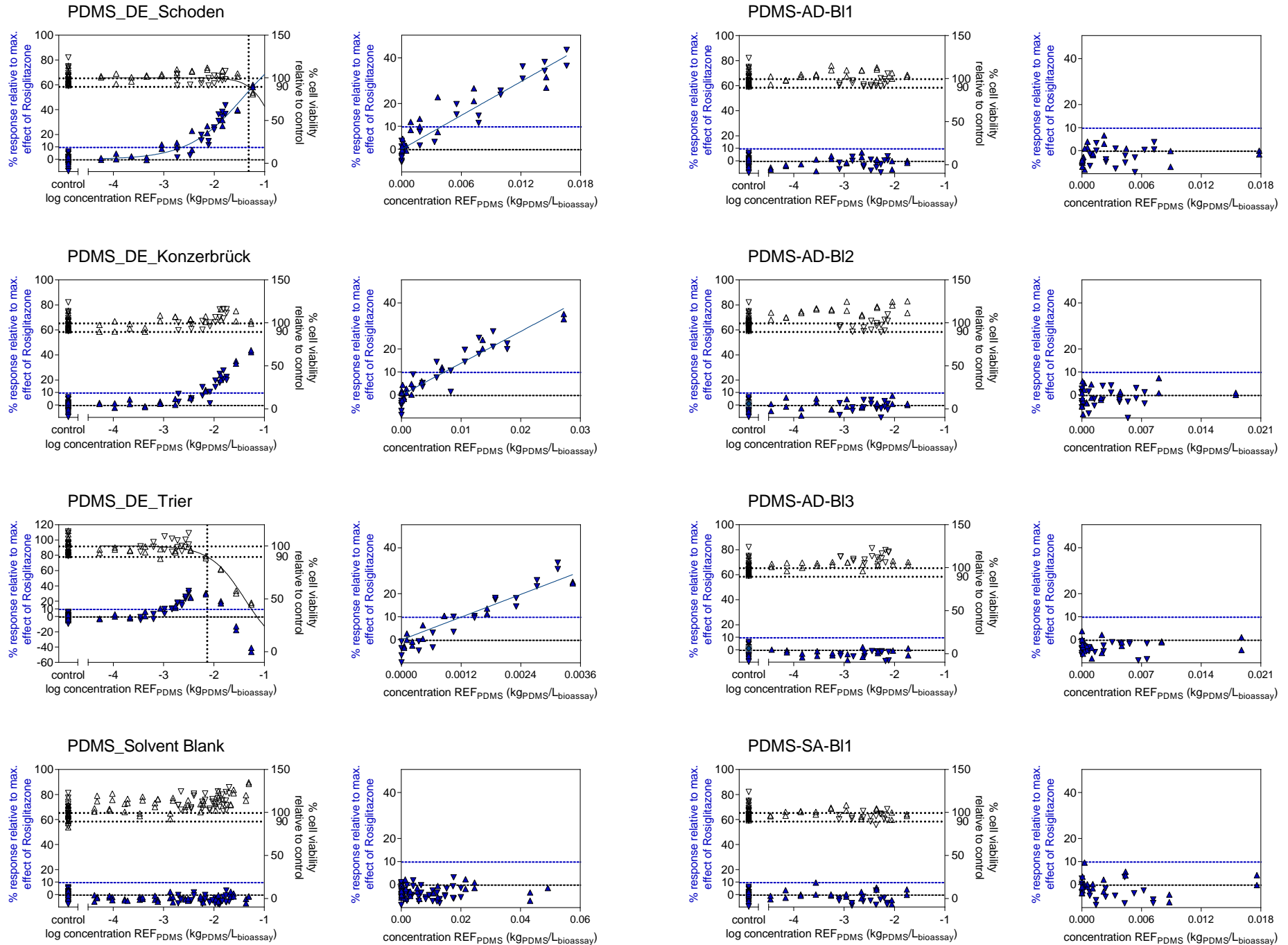


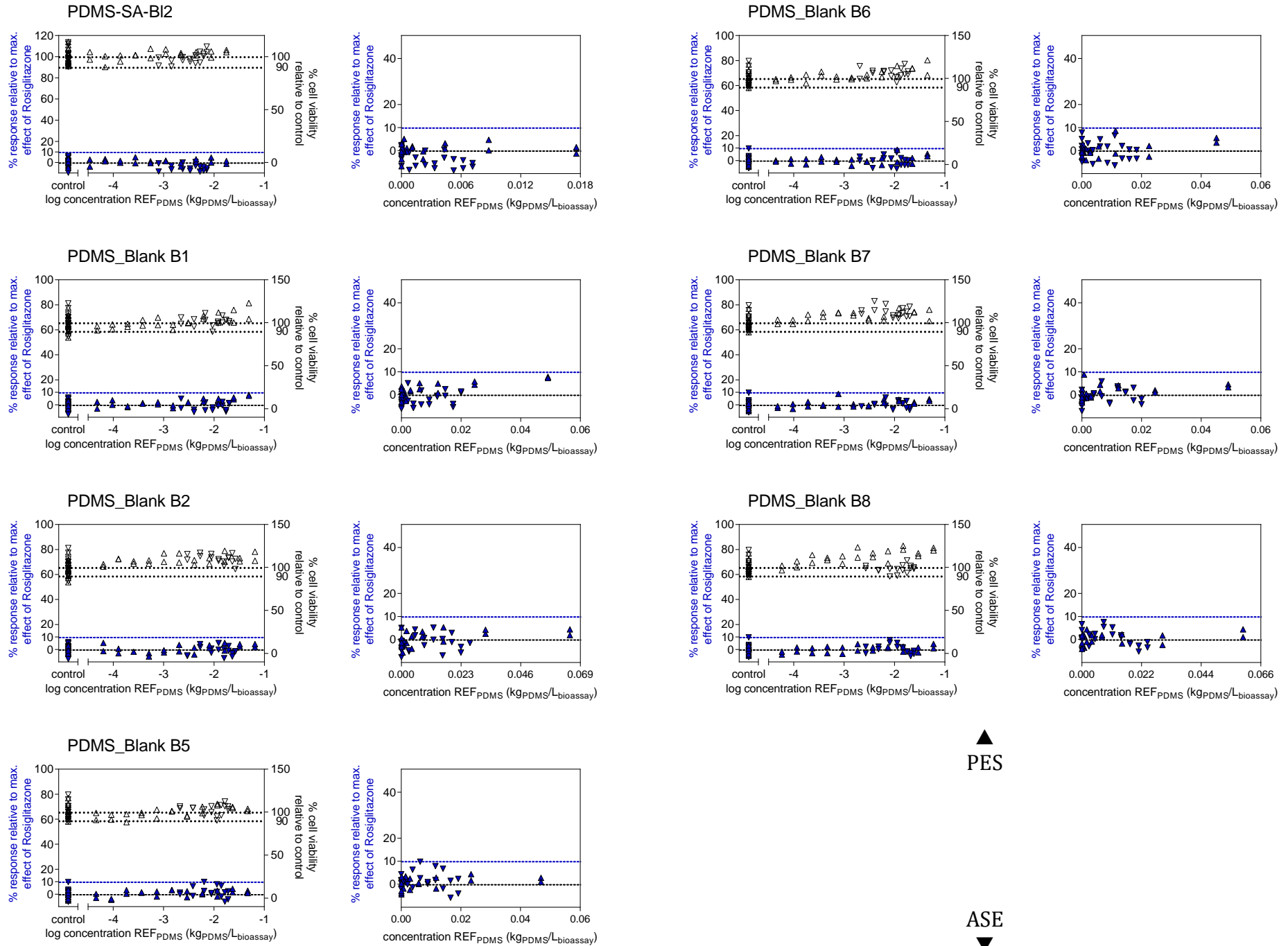




Supporting Information

Figure DS3: Logarithmic and linear concentration-effect curves for PPAR γ



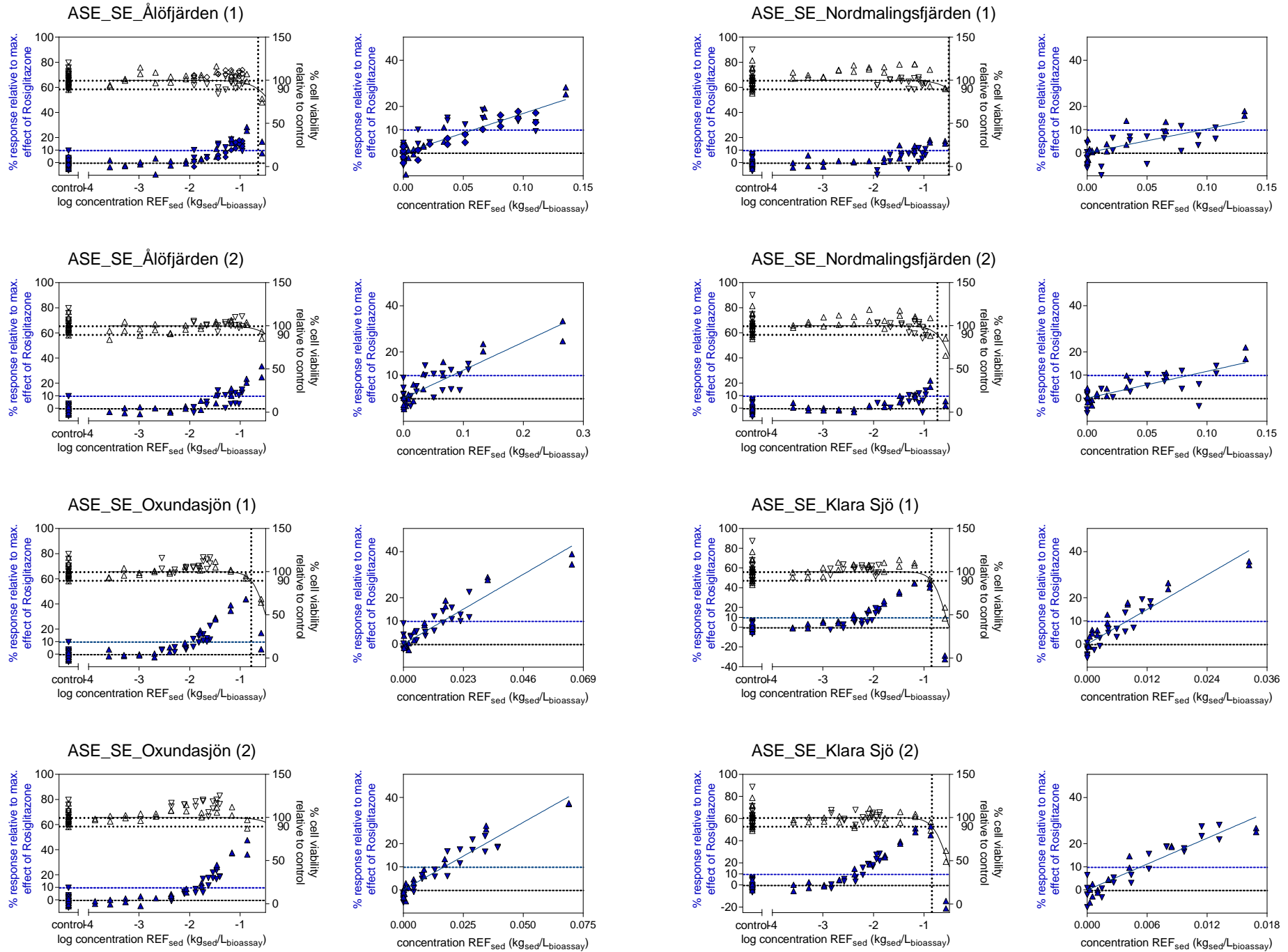


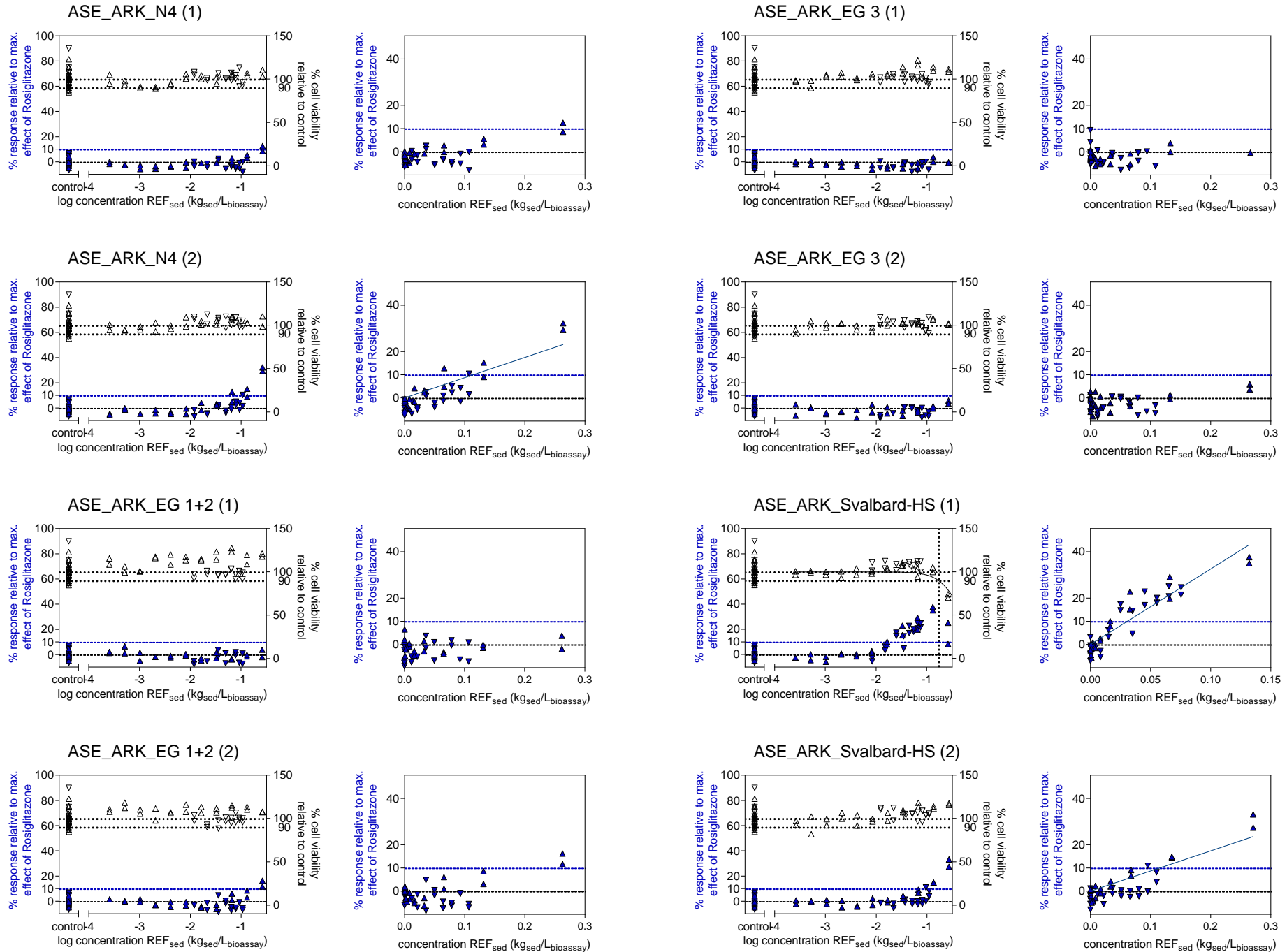
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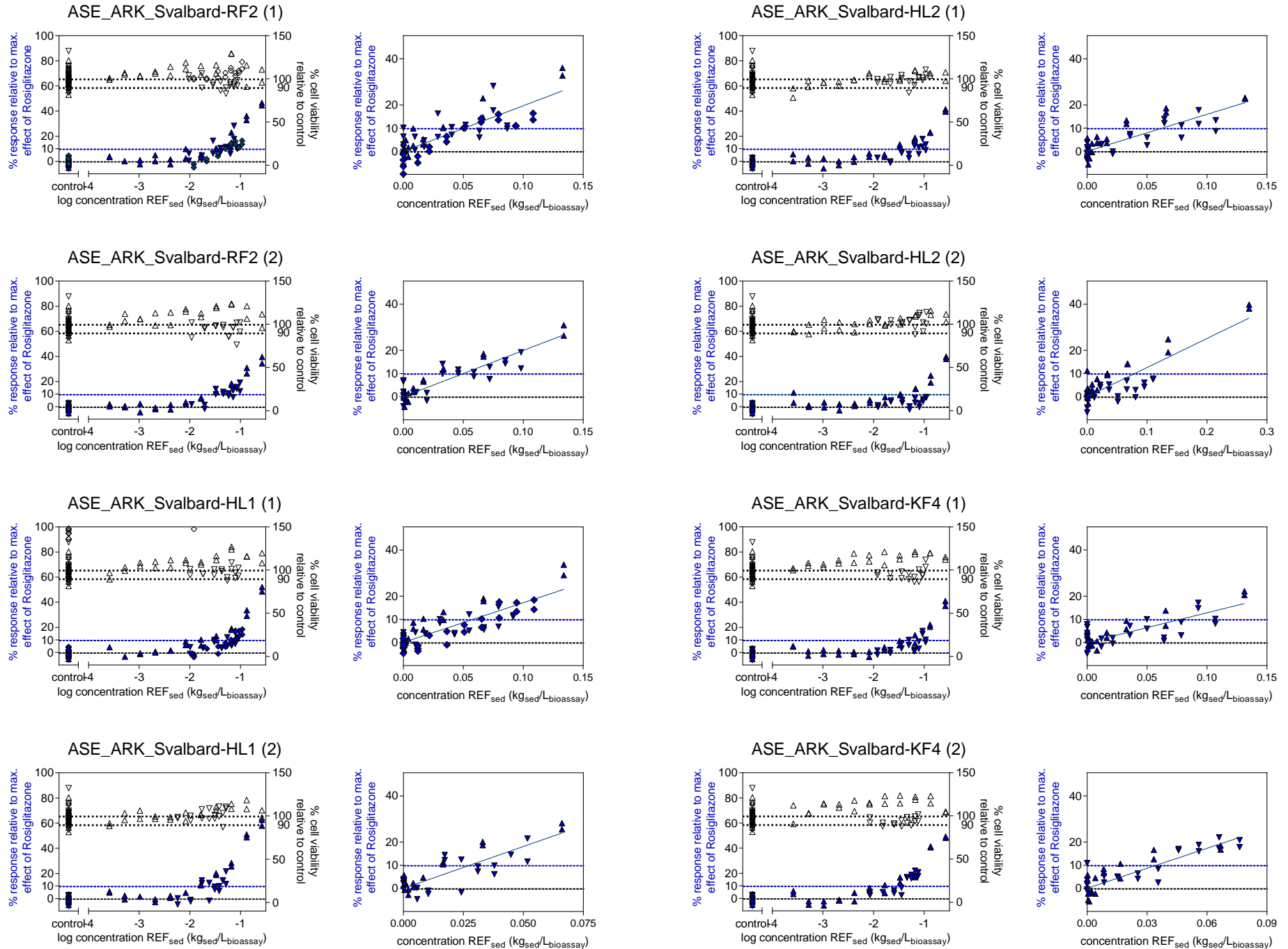
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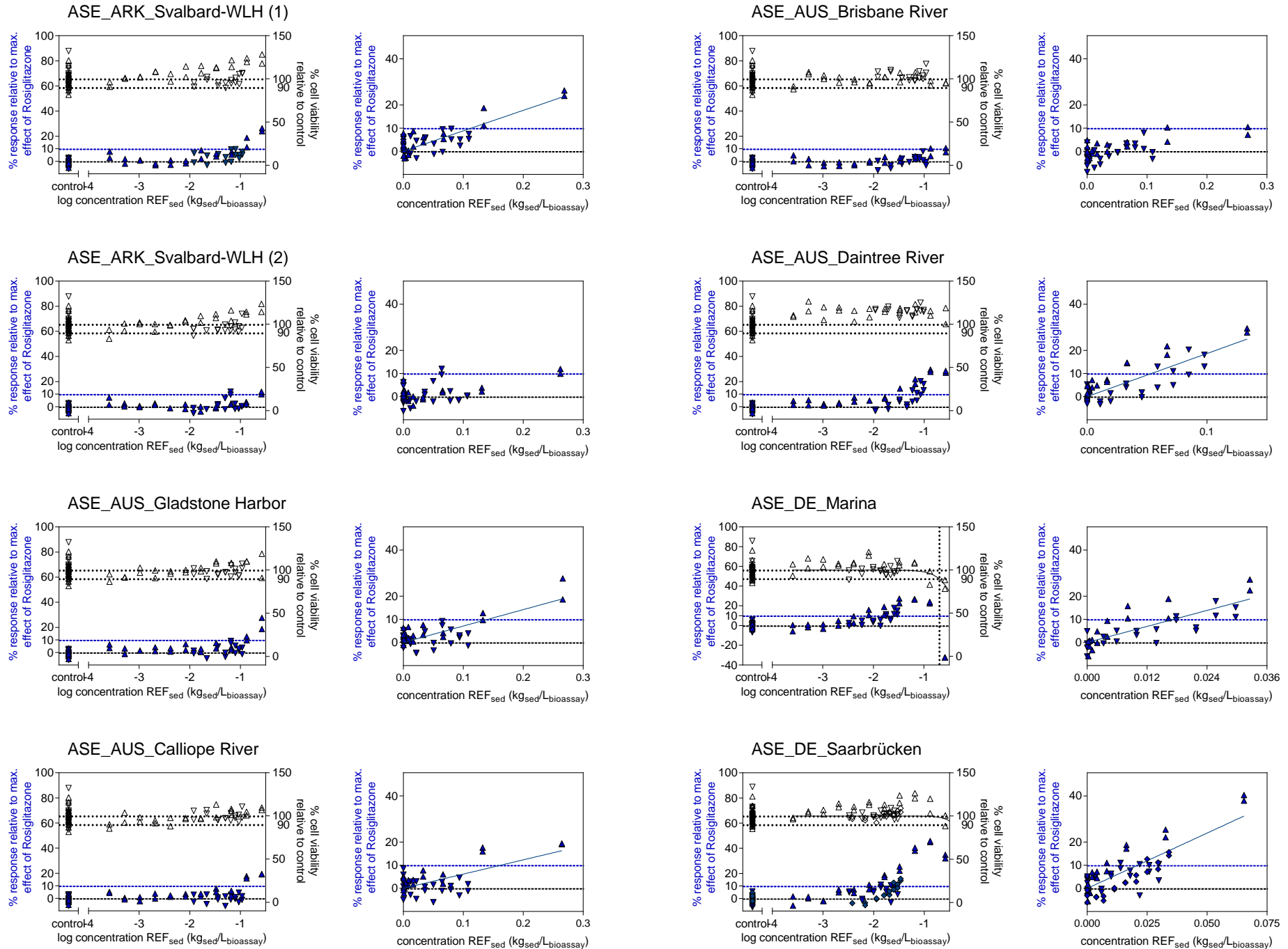
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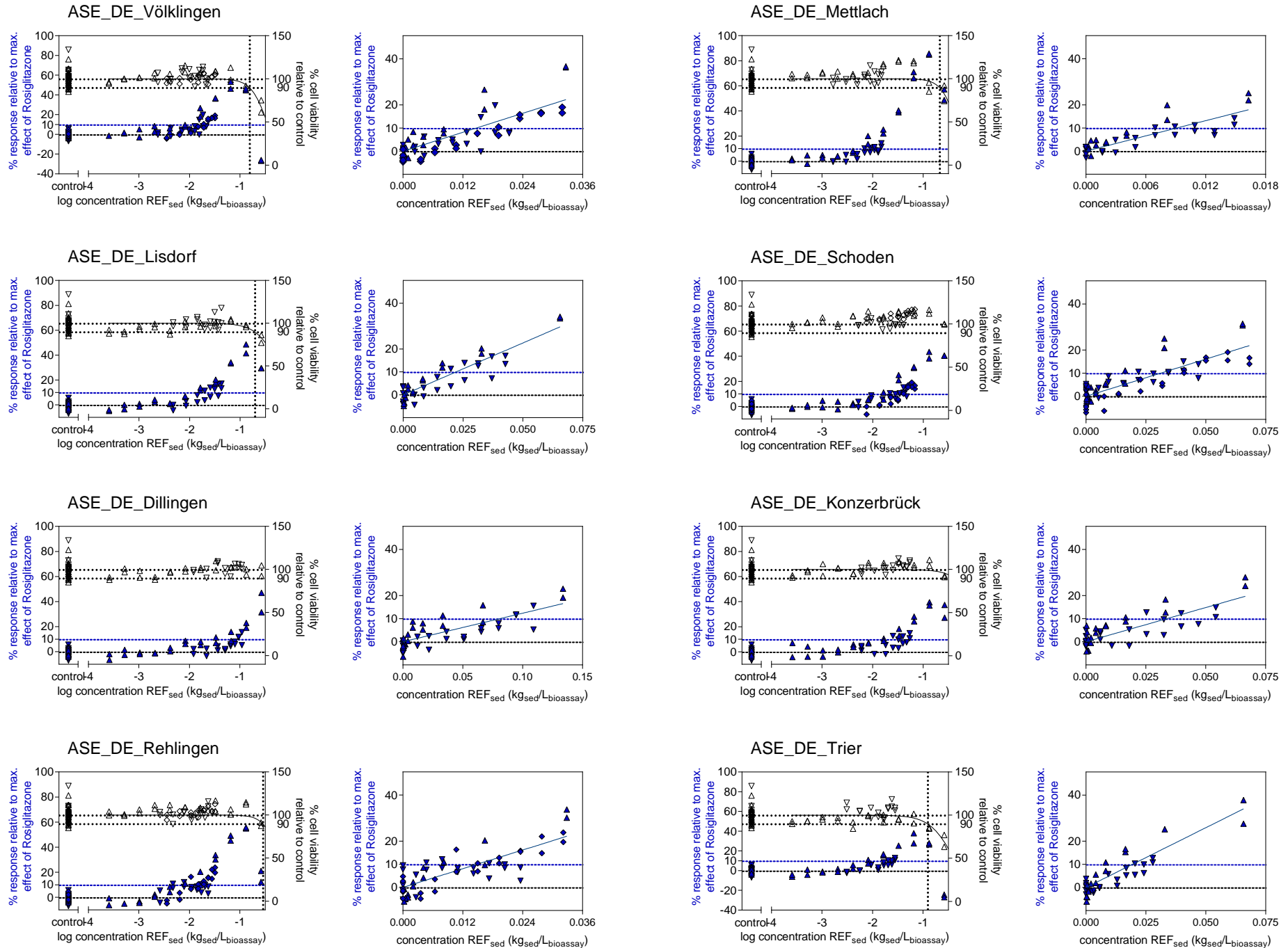
Figure DS3: Logarithmic and linear concentration-effect curves for PPAR γ

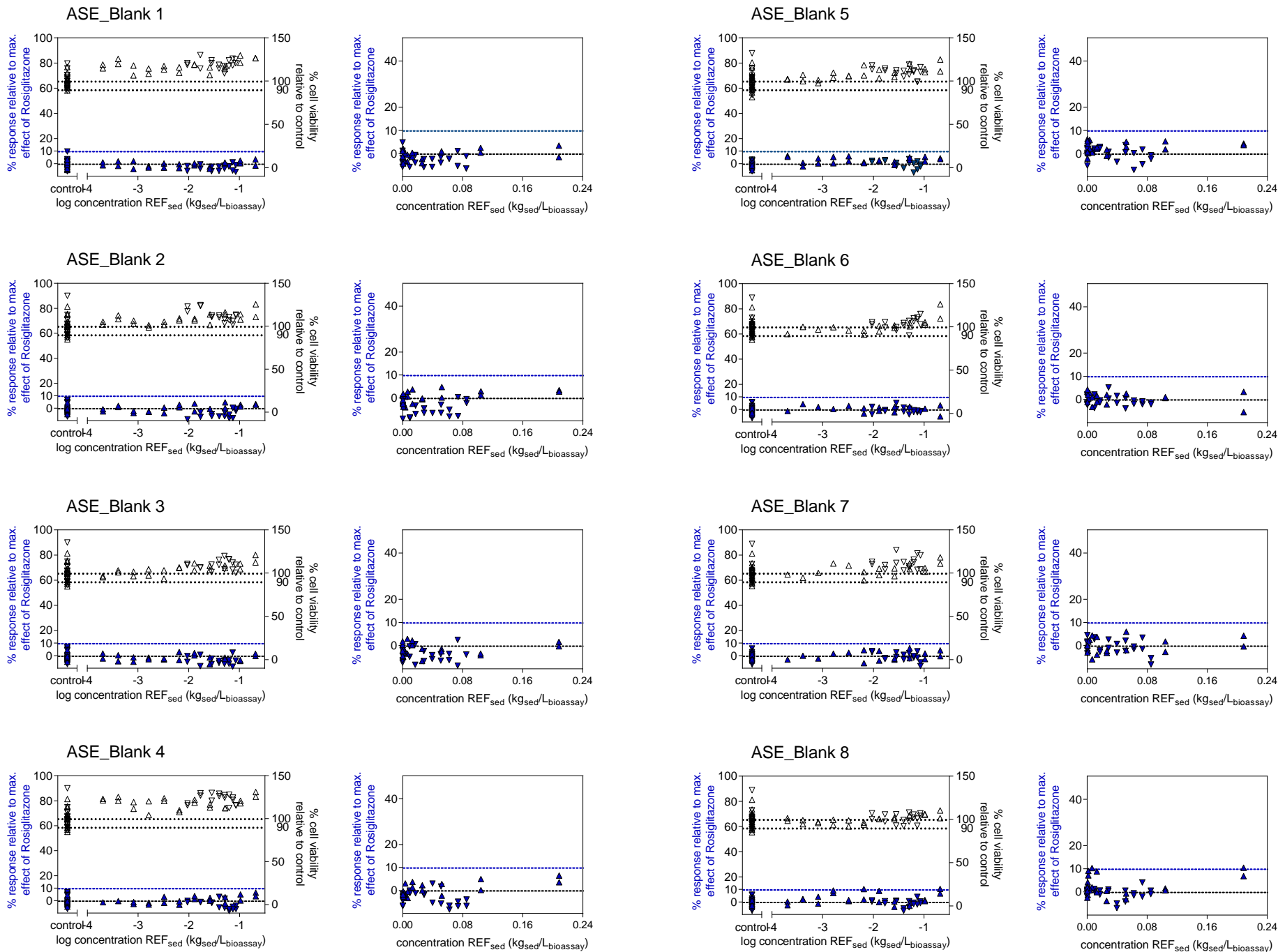






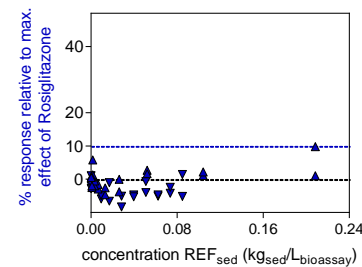
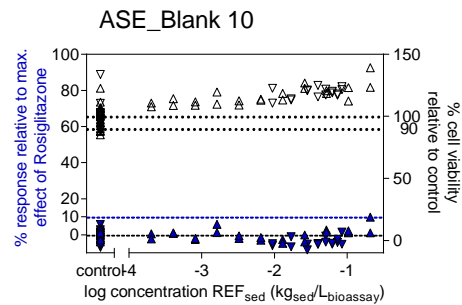
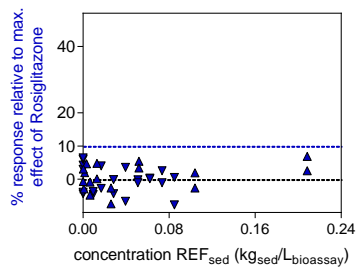
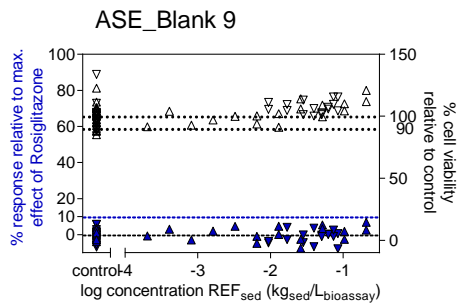


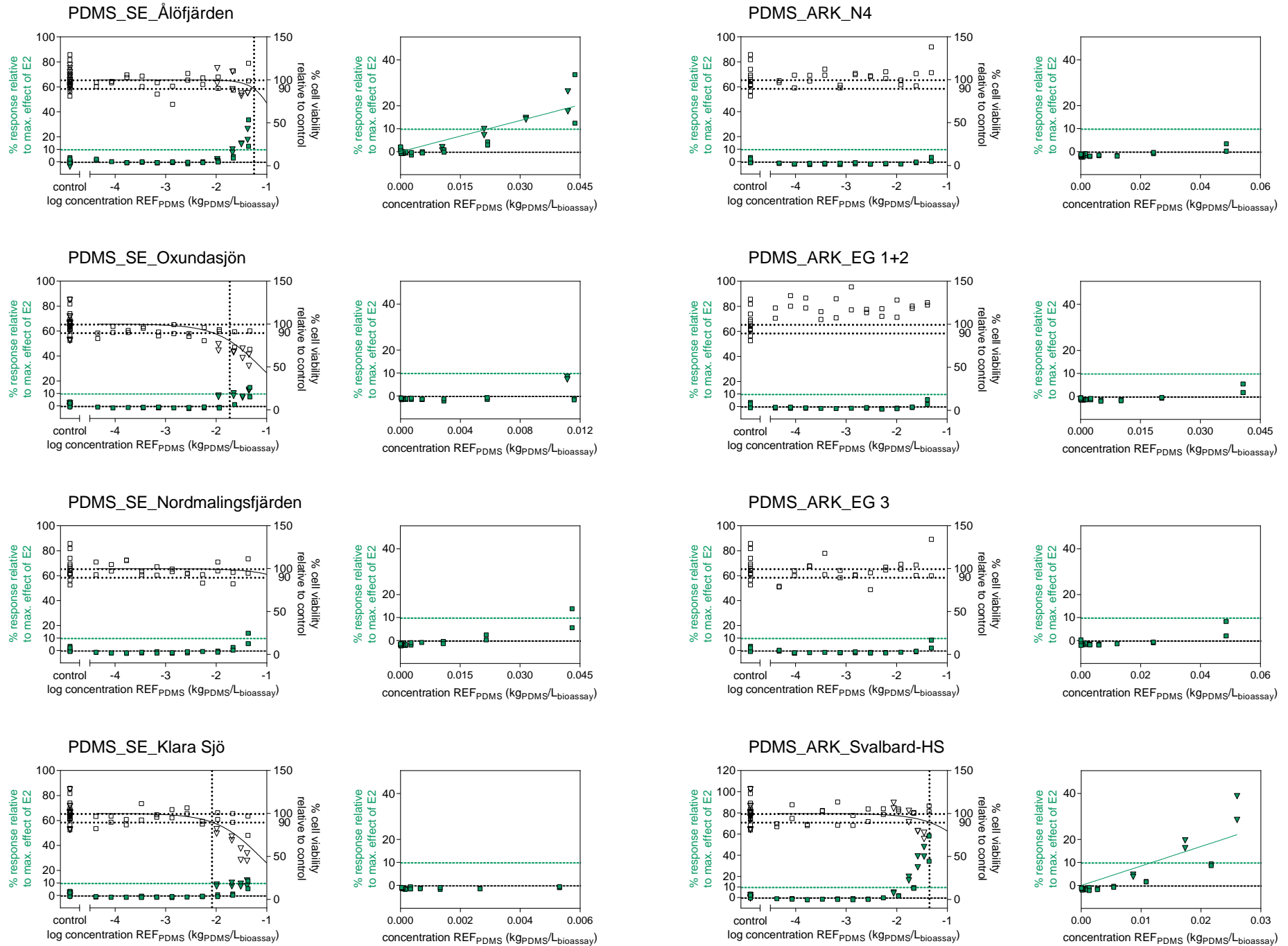


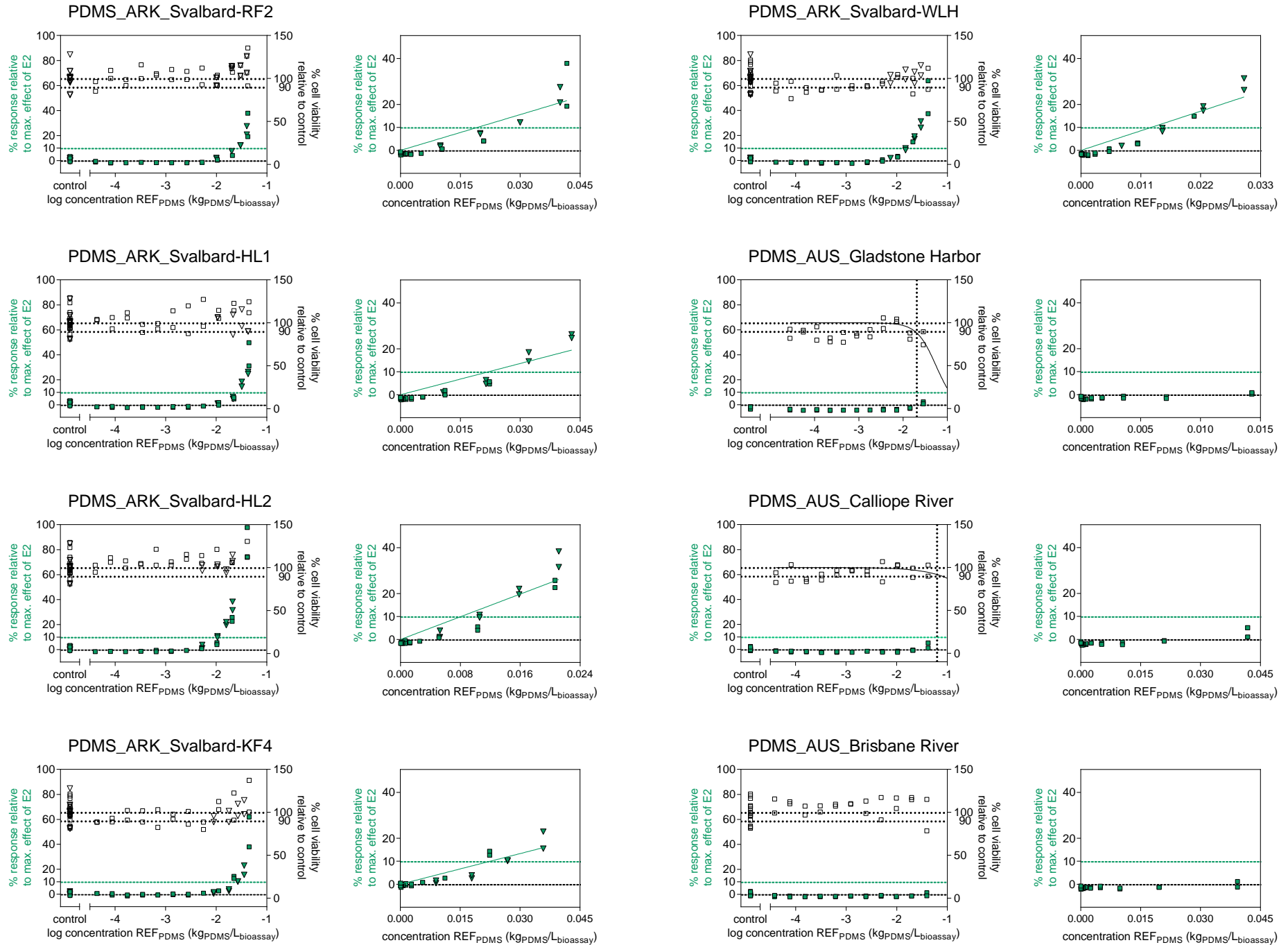


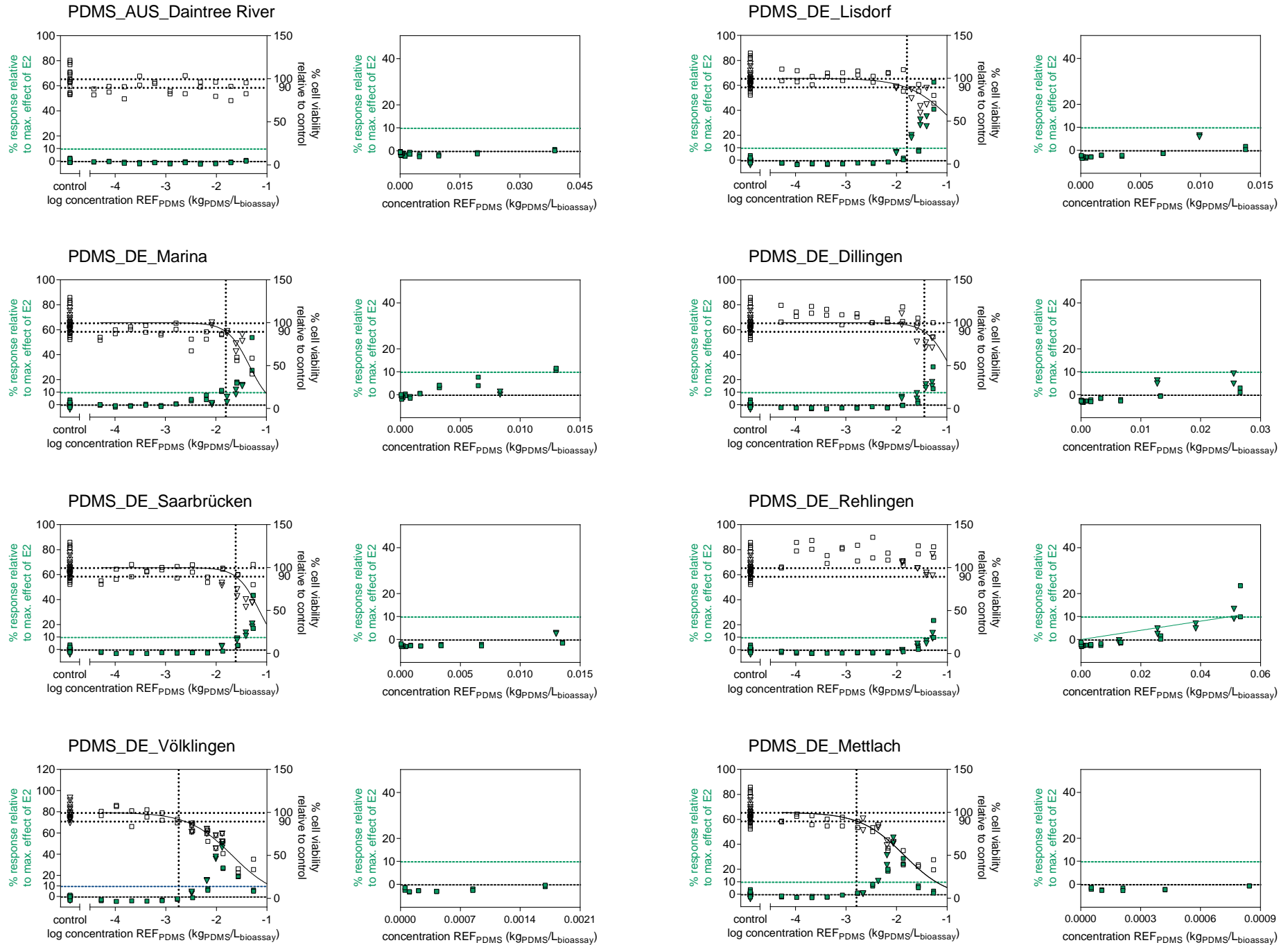
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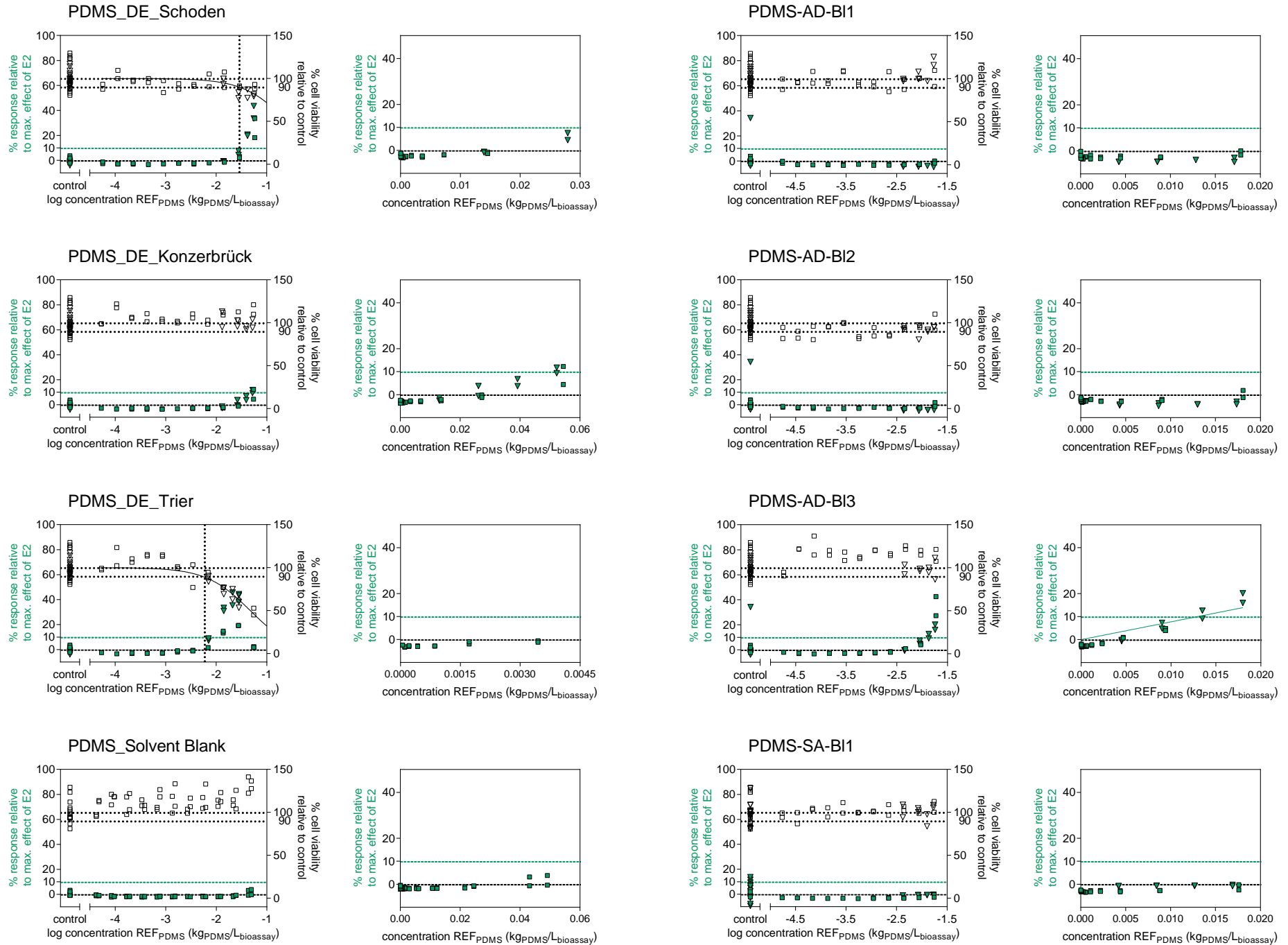
Figure DS3: Logarithmic and linear concentration-effect curves for PPAR γ

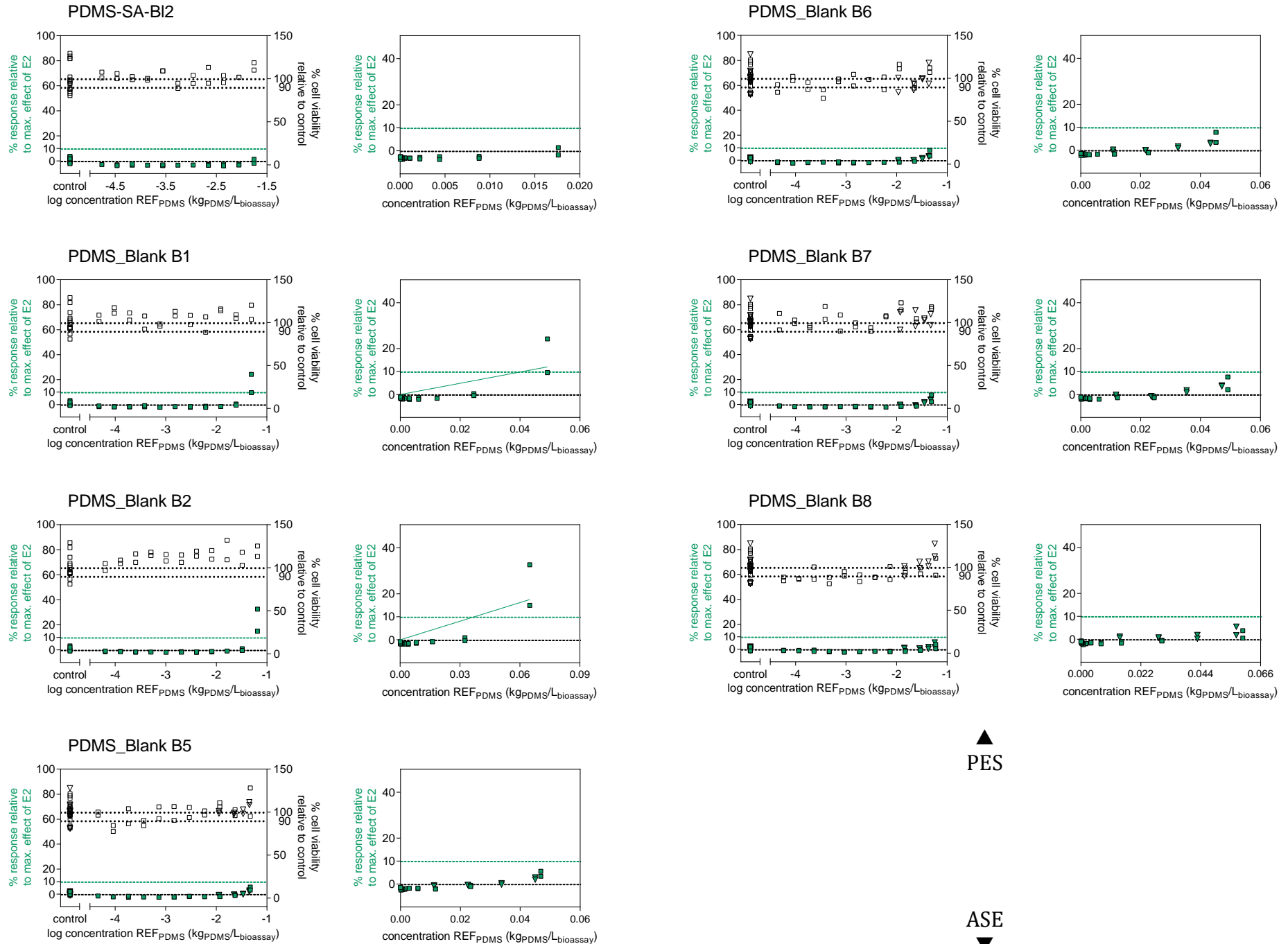






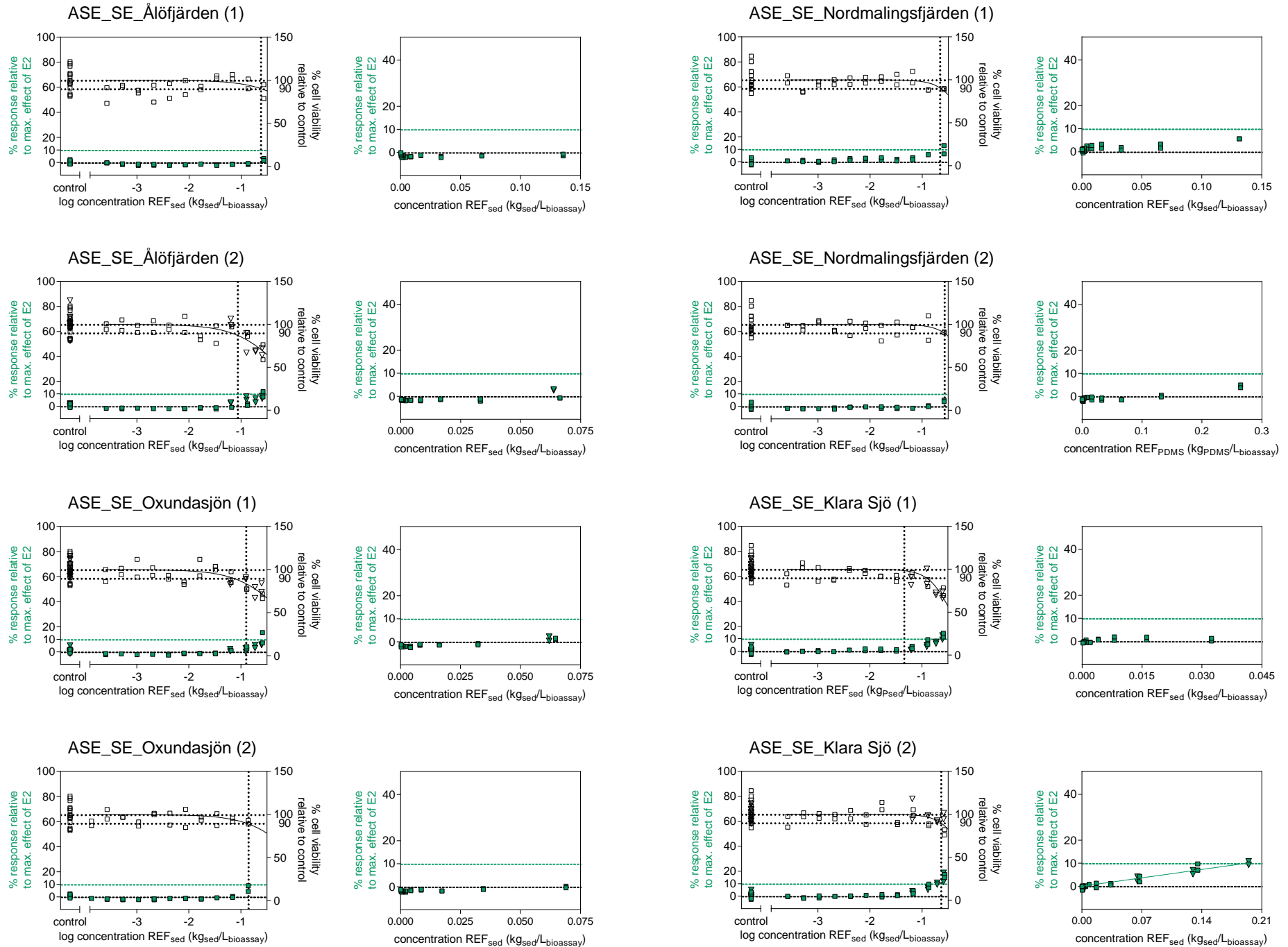


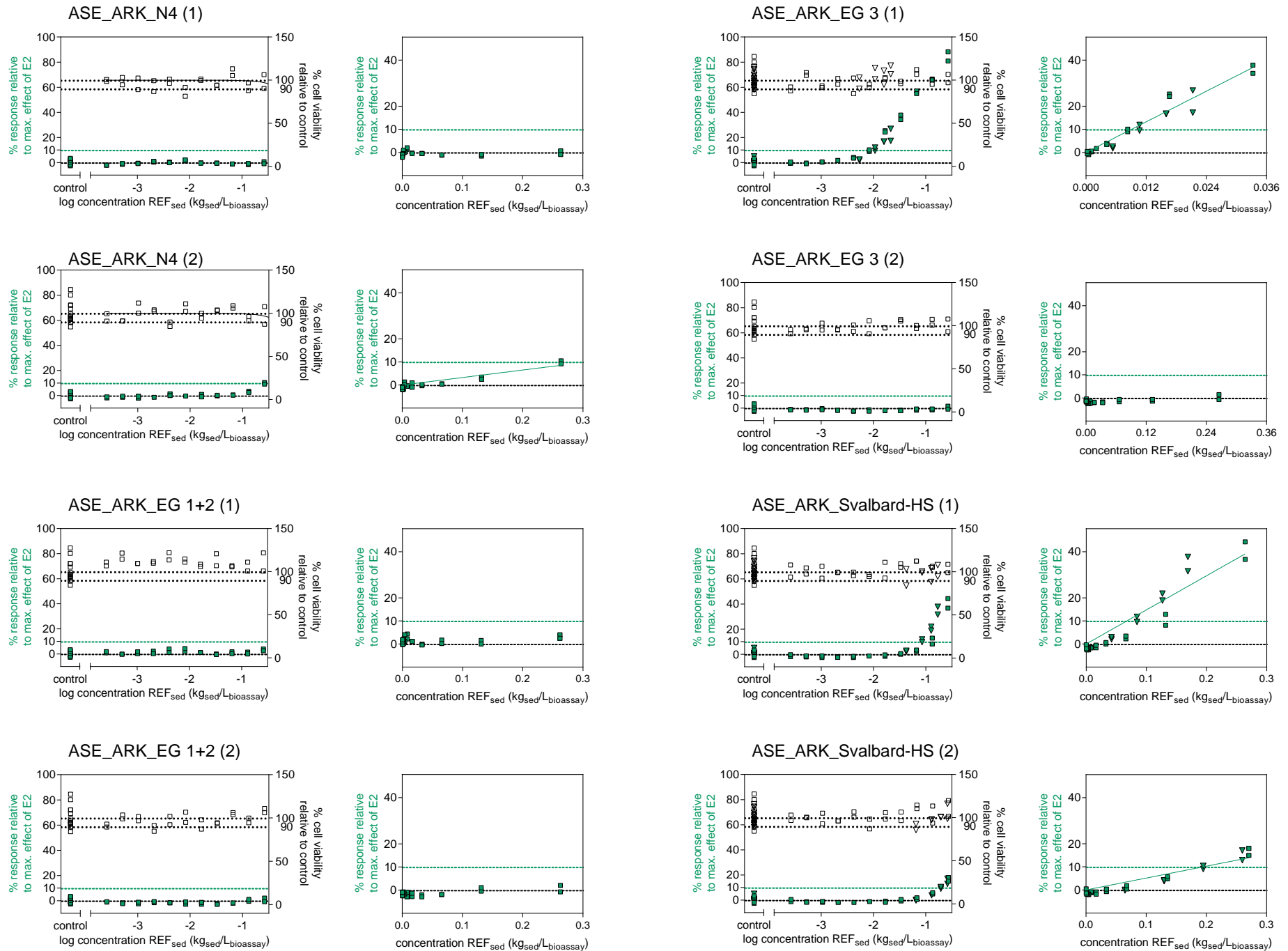


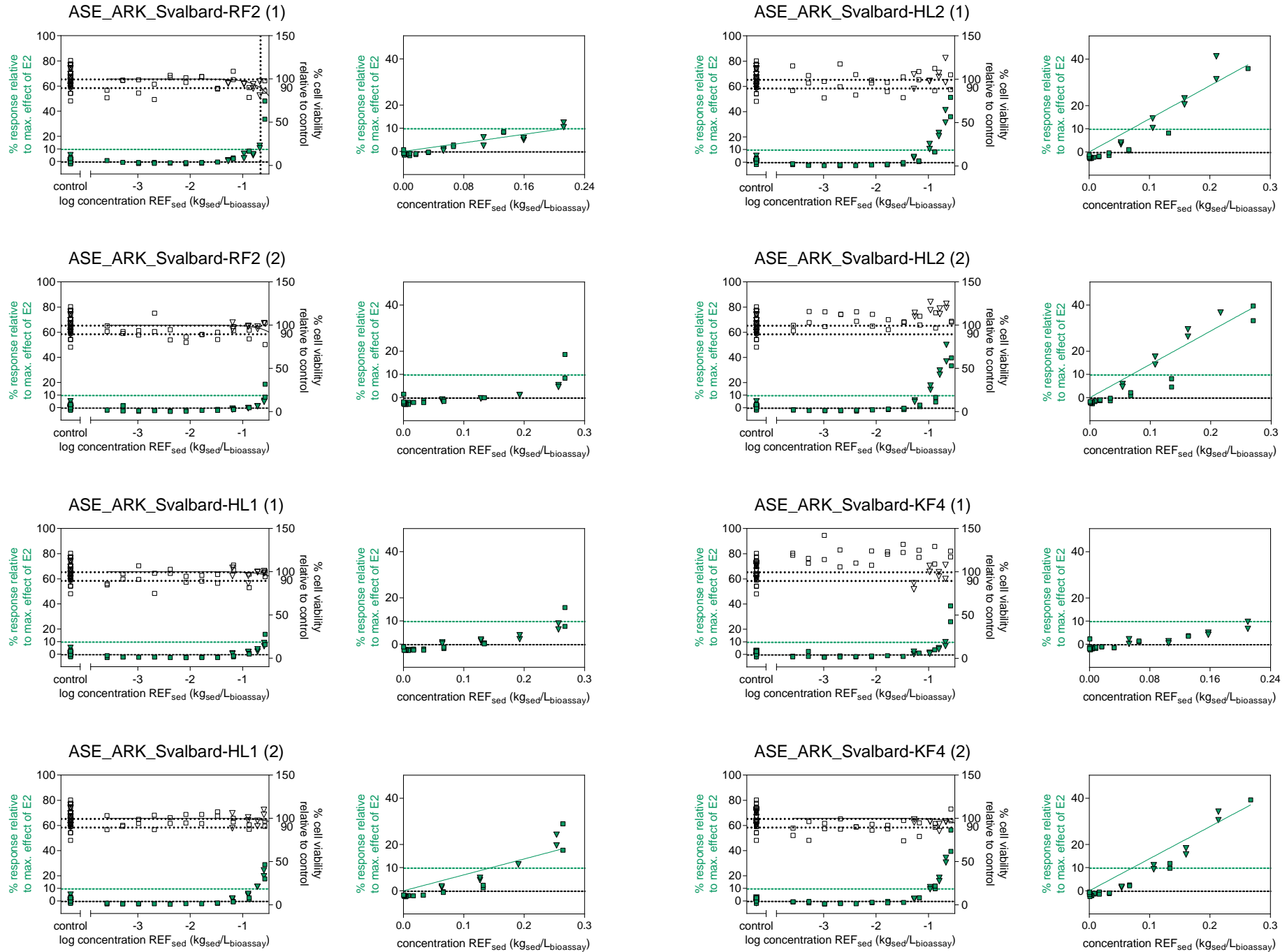


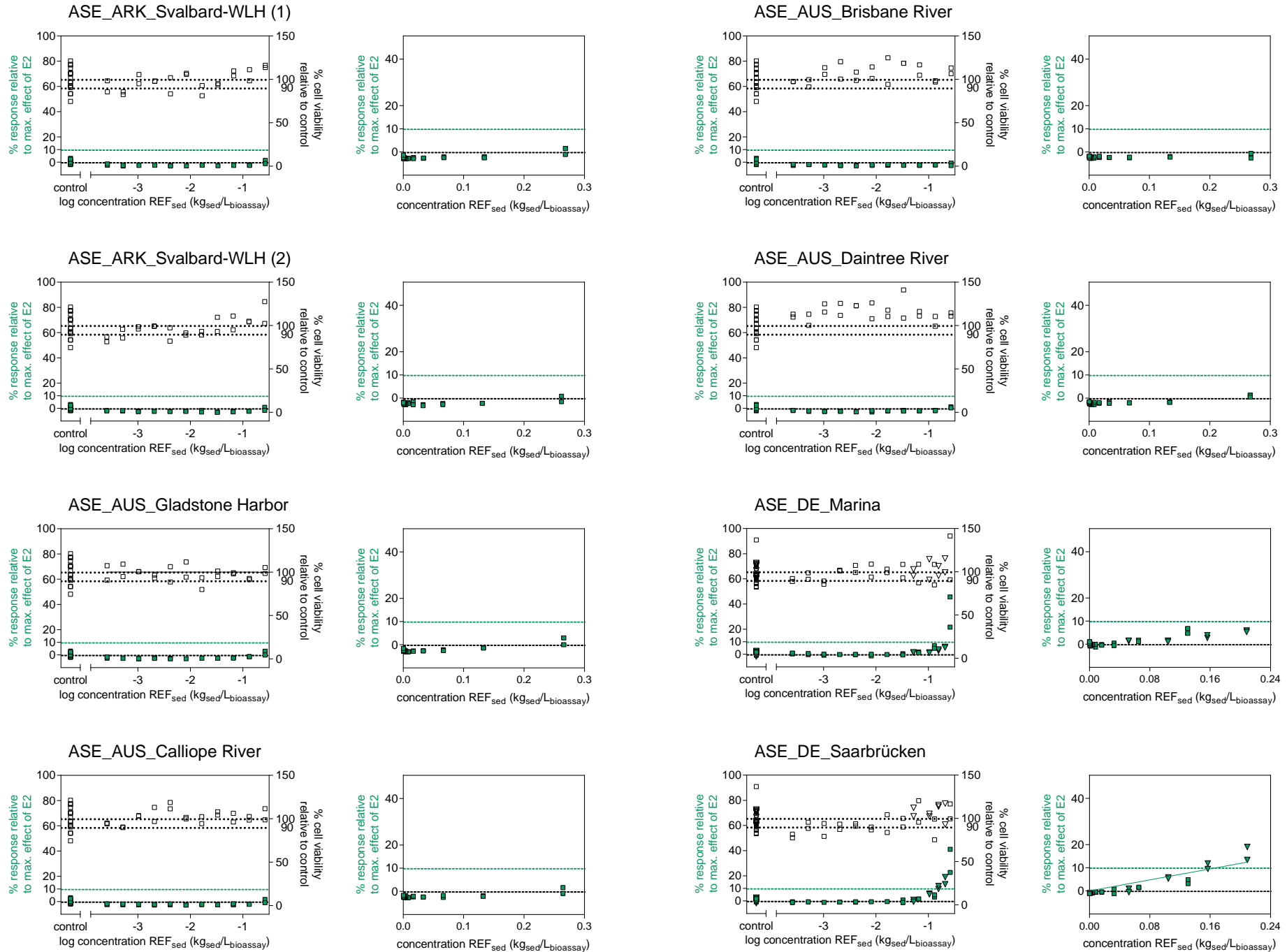
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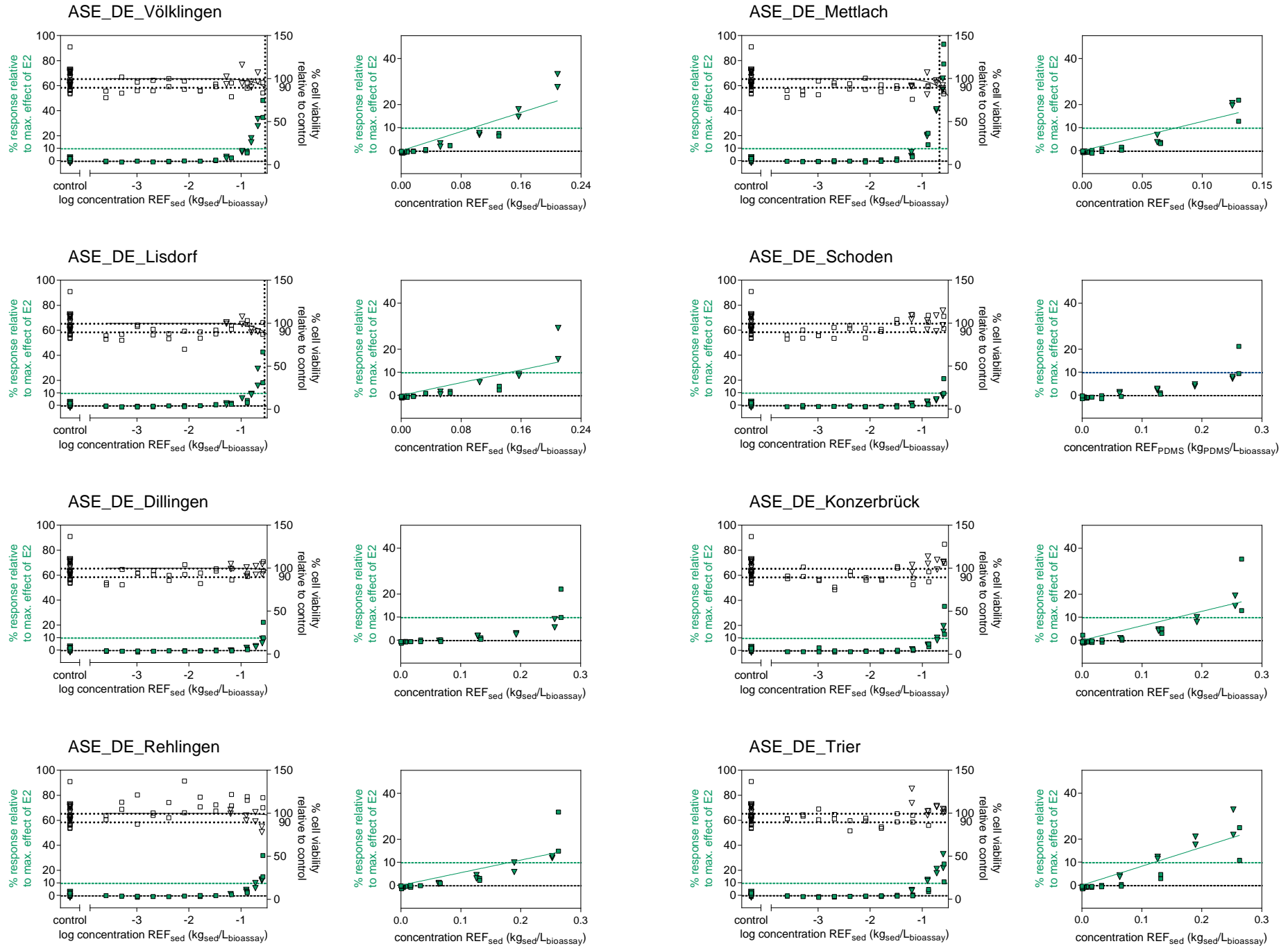
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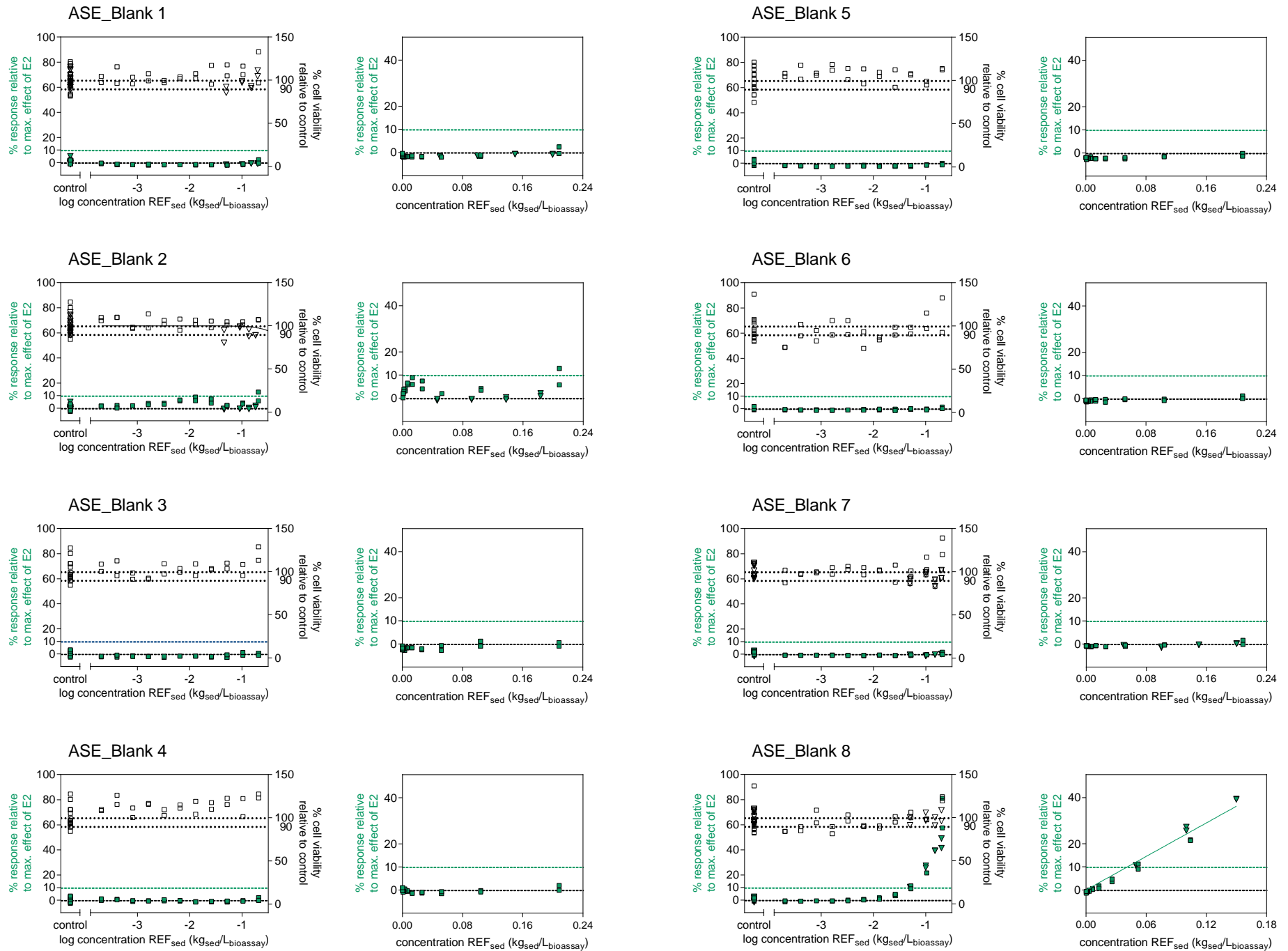






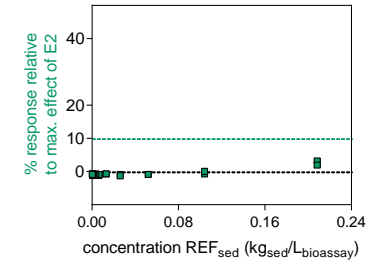
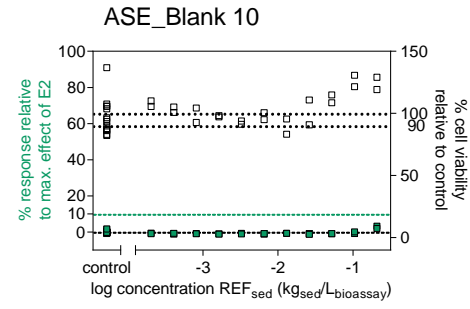
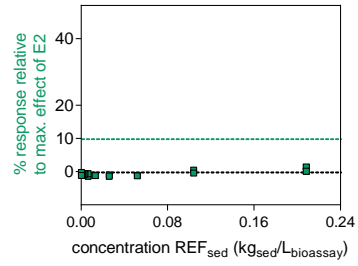
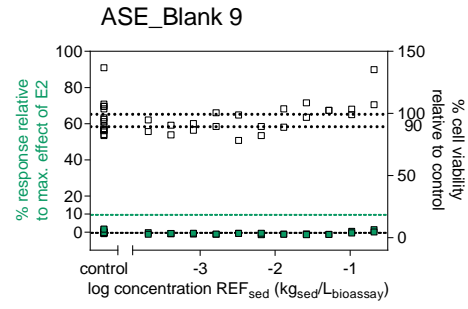


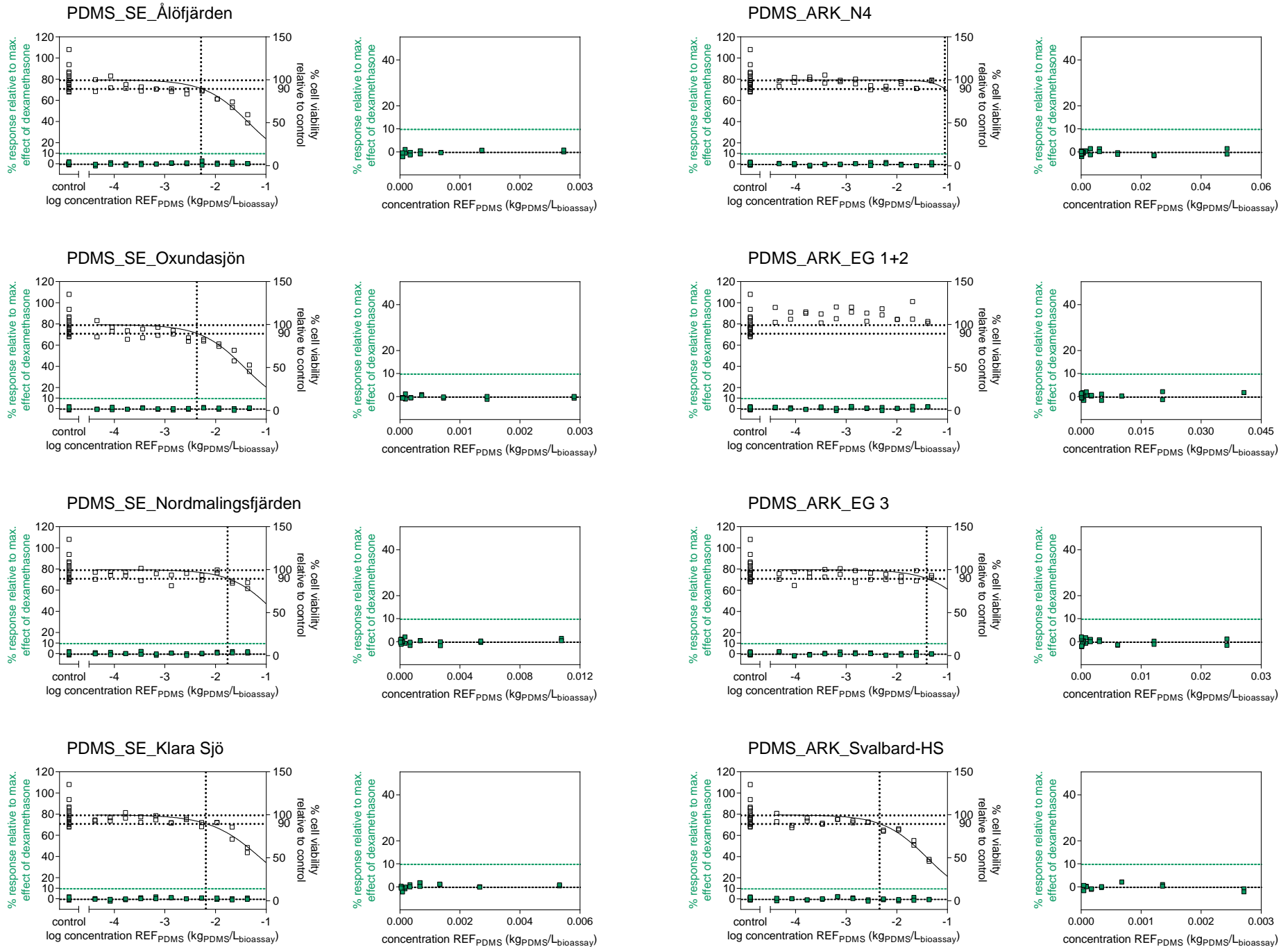


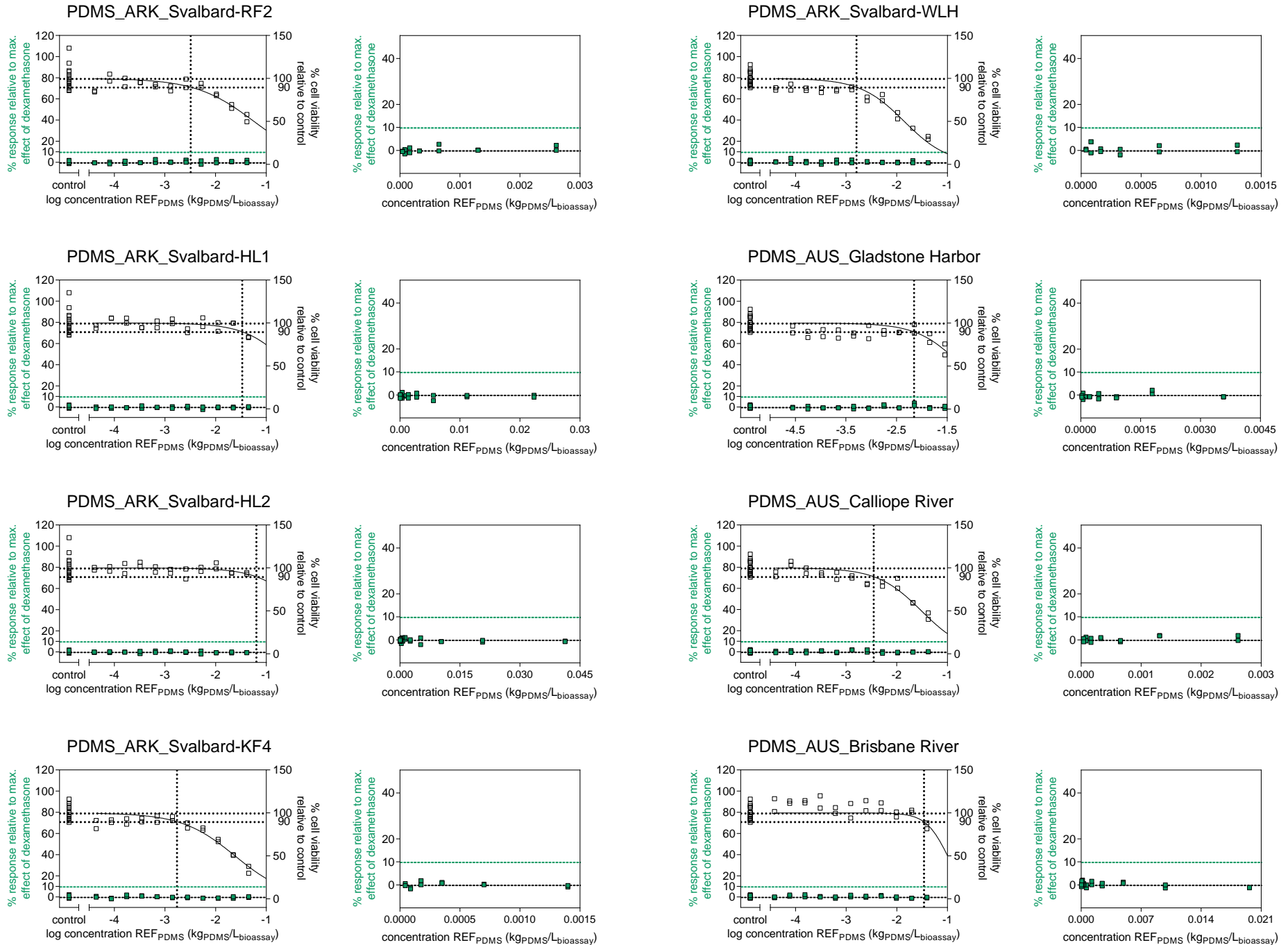


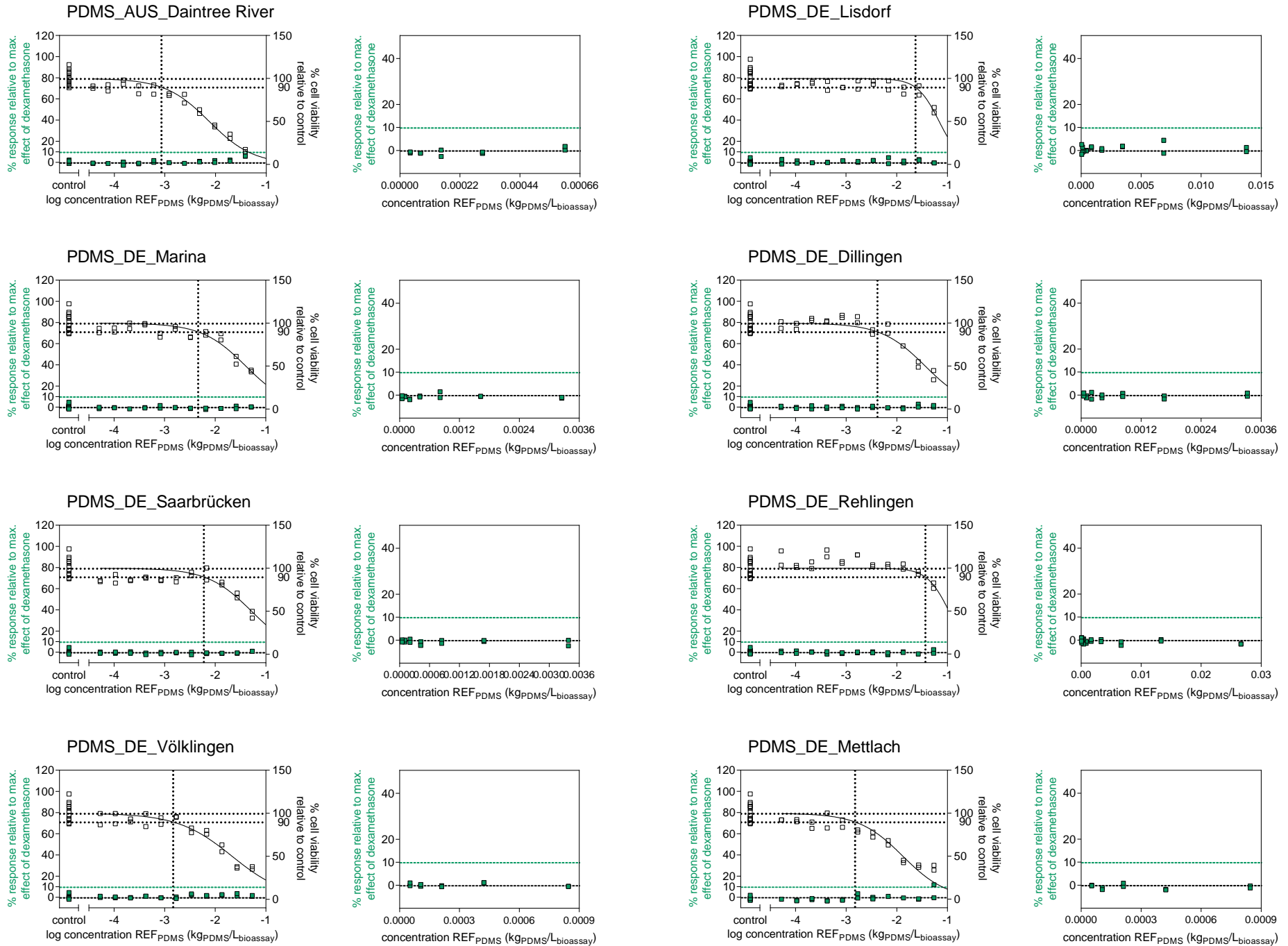
Supporting Information

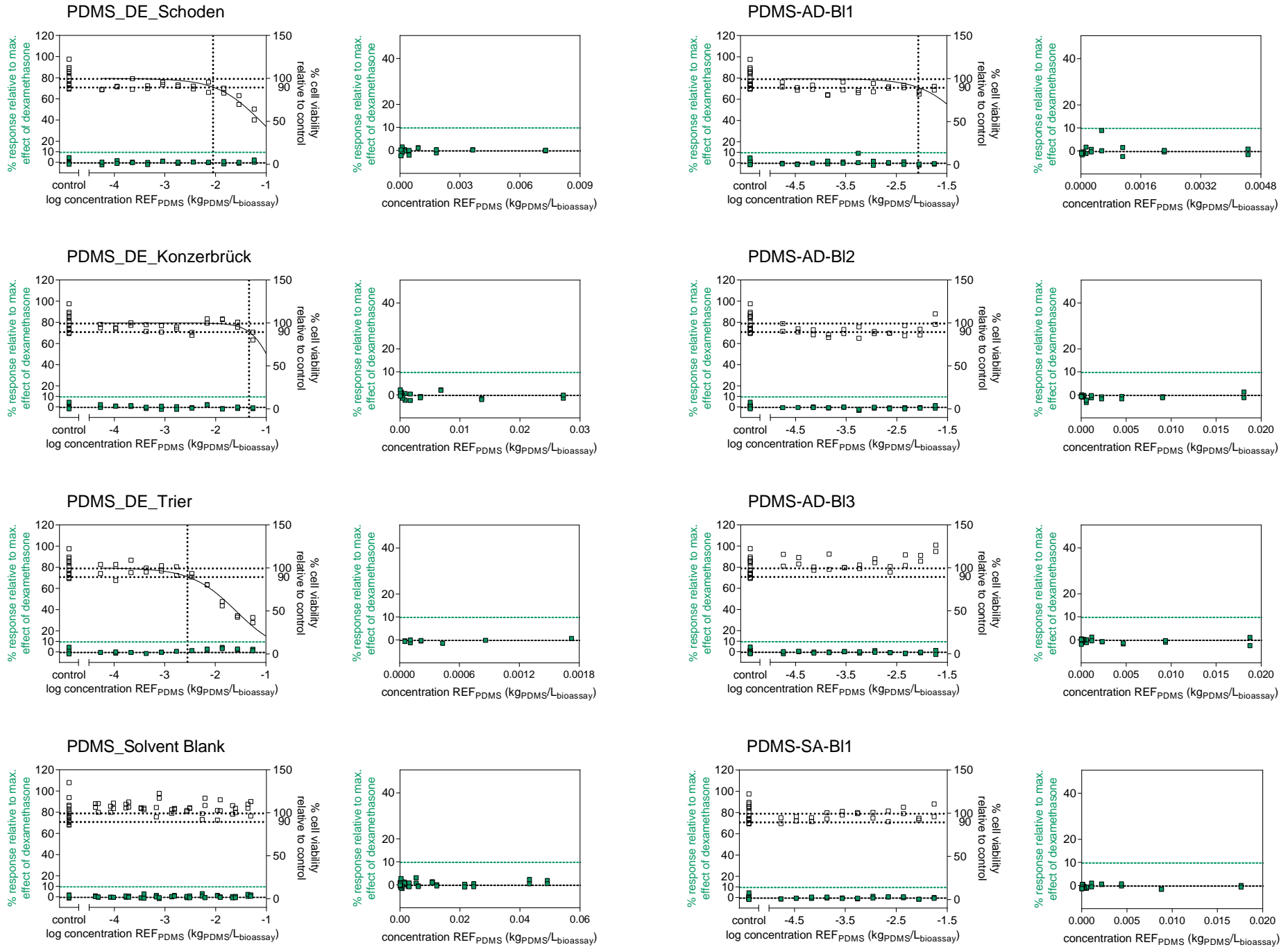
Figure DS4: Logarithmic and linear concentration-effect curves for ERα

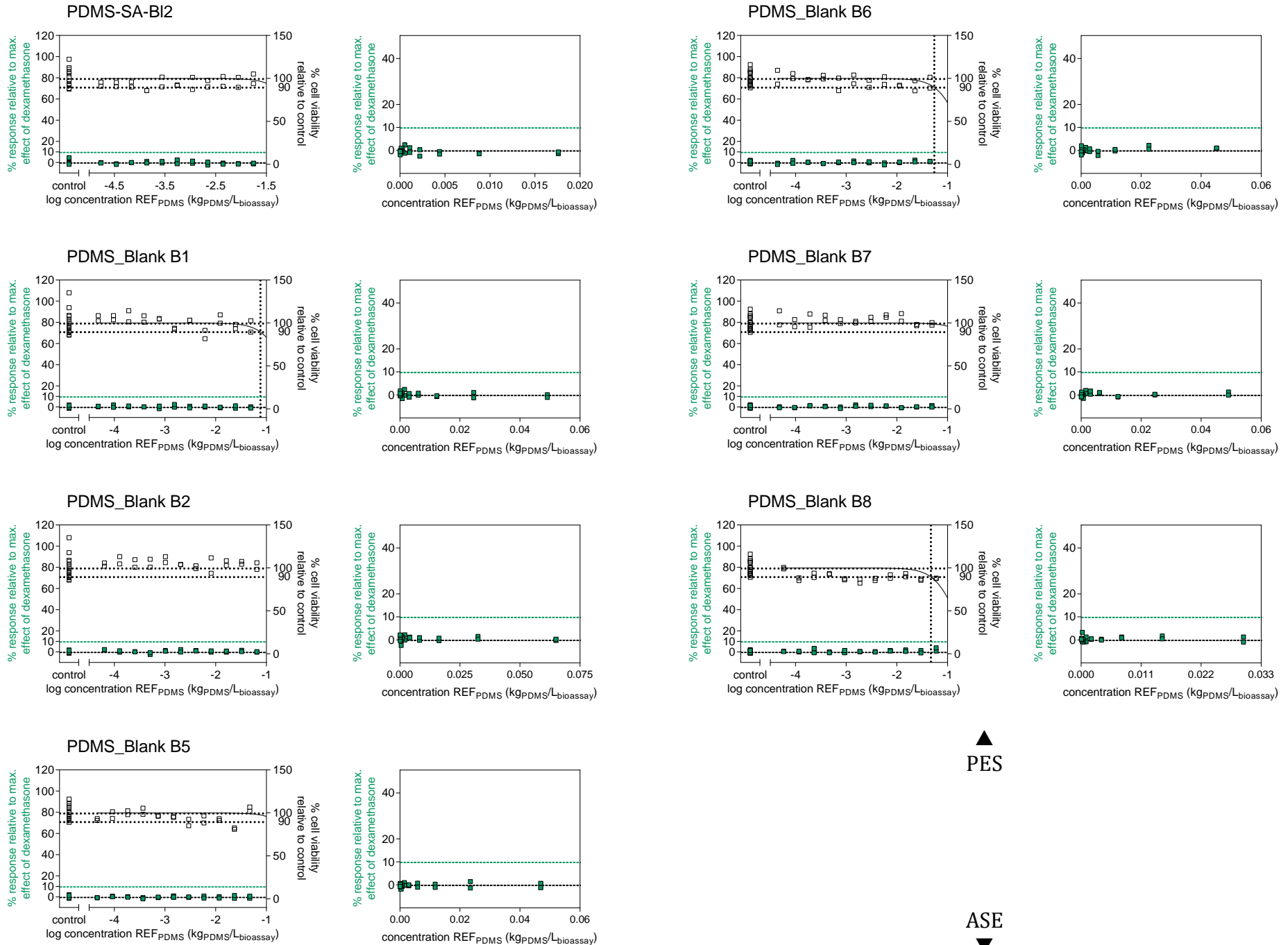


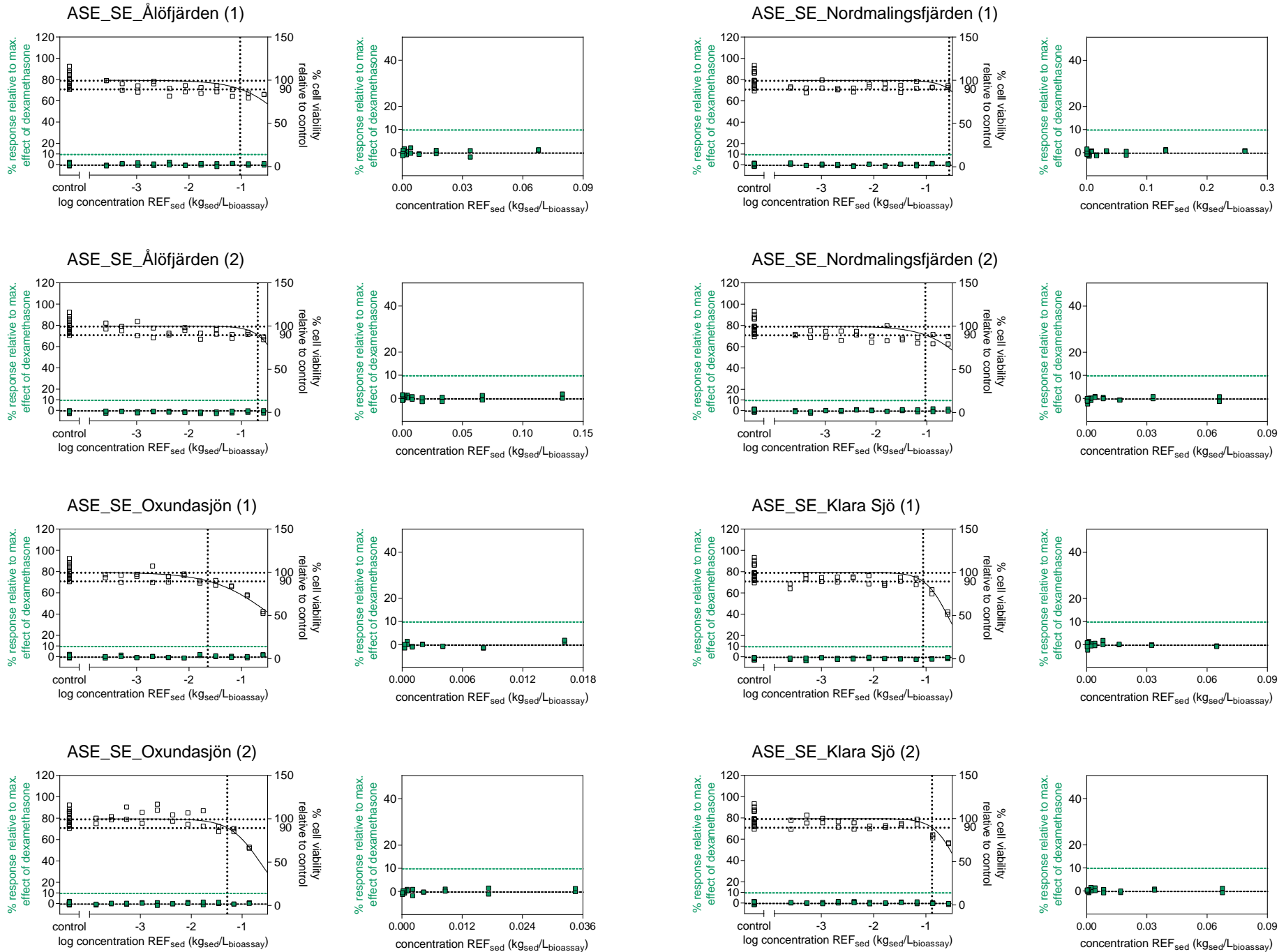


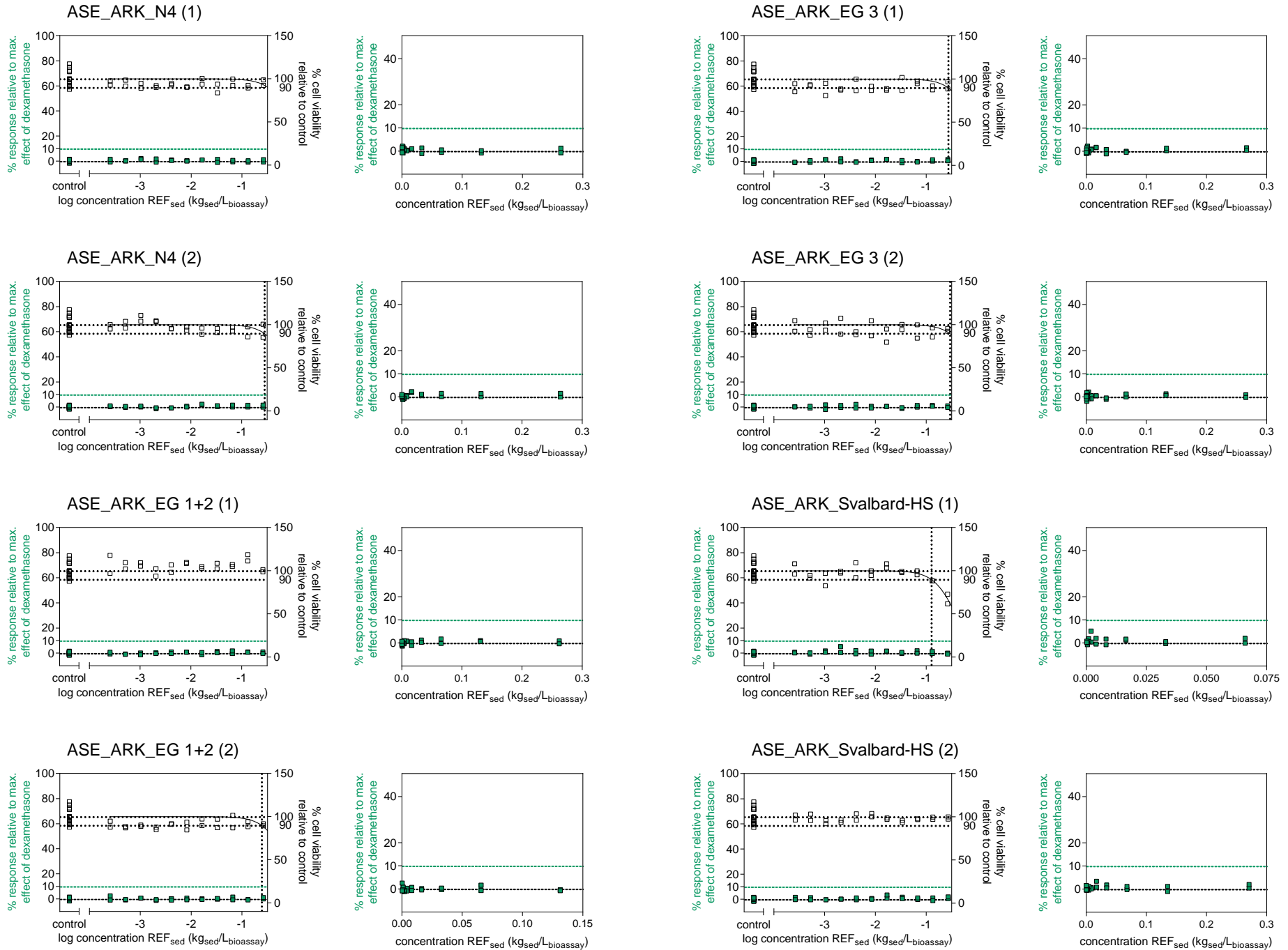


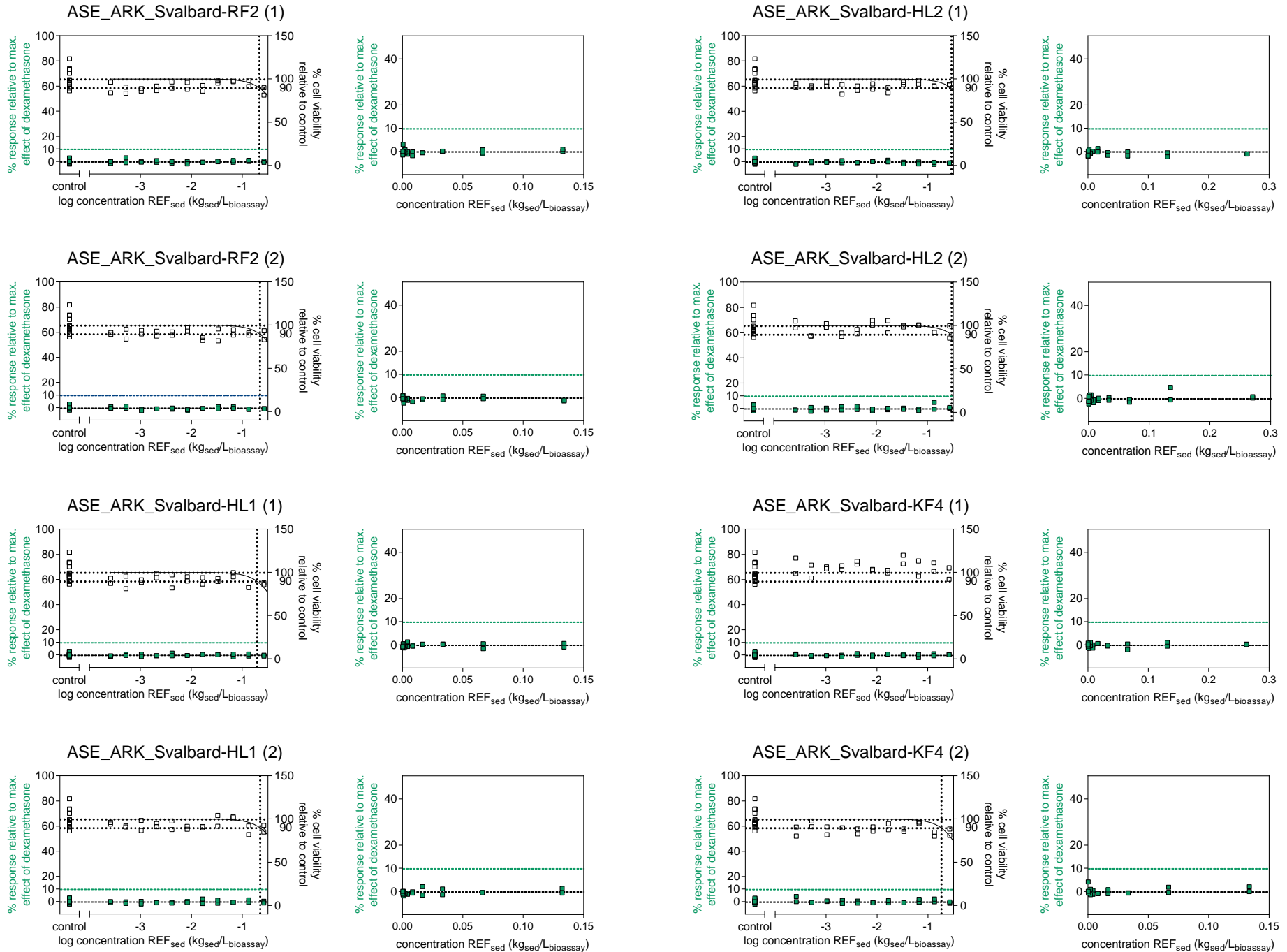


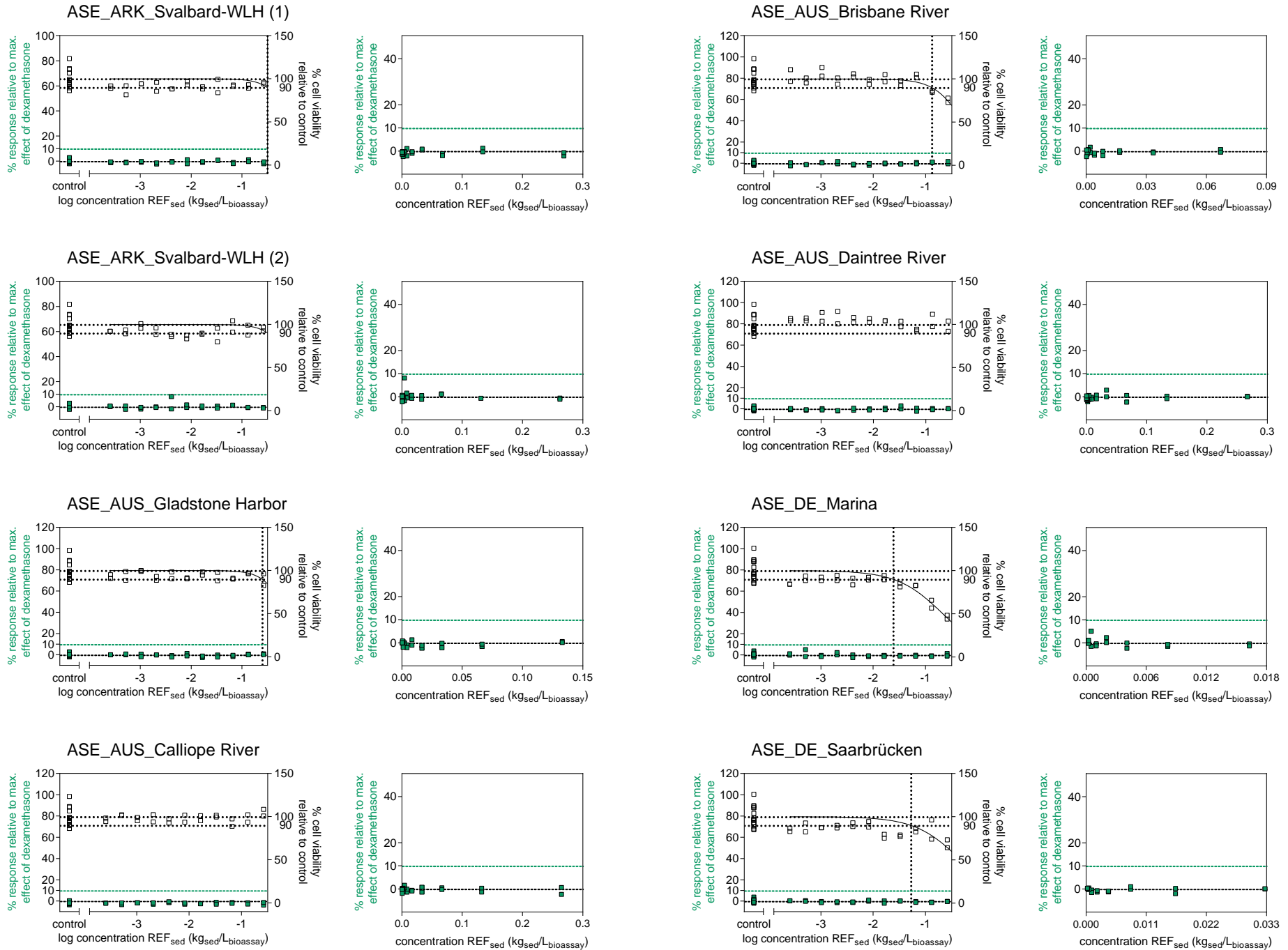


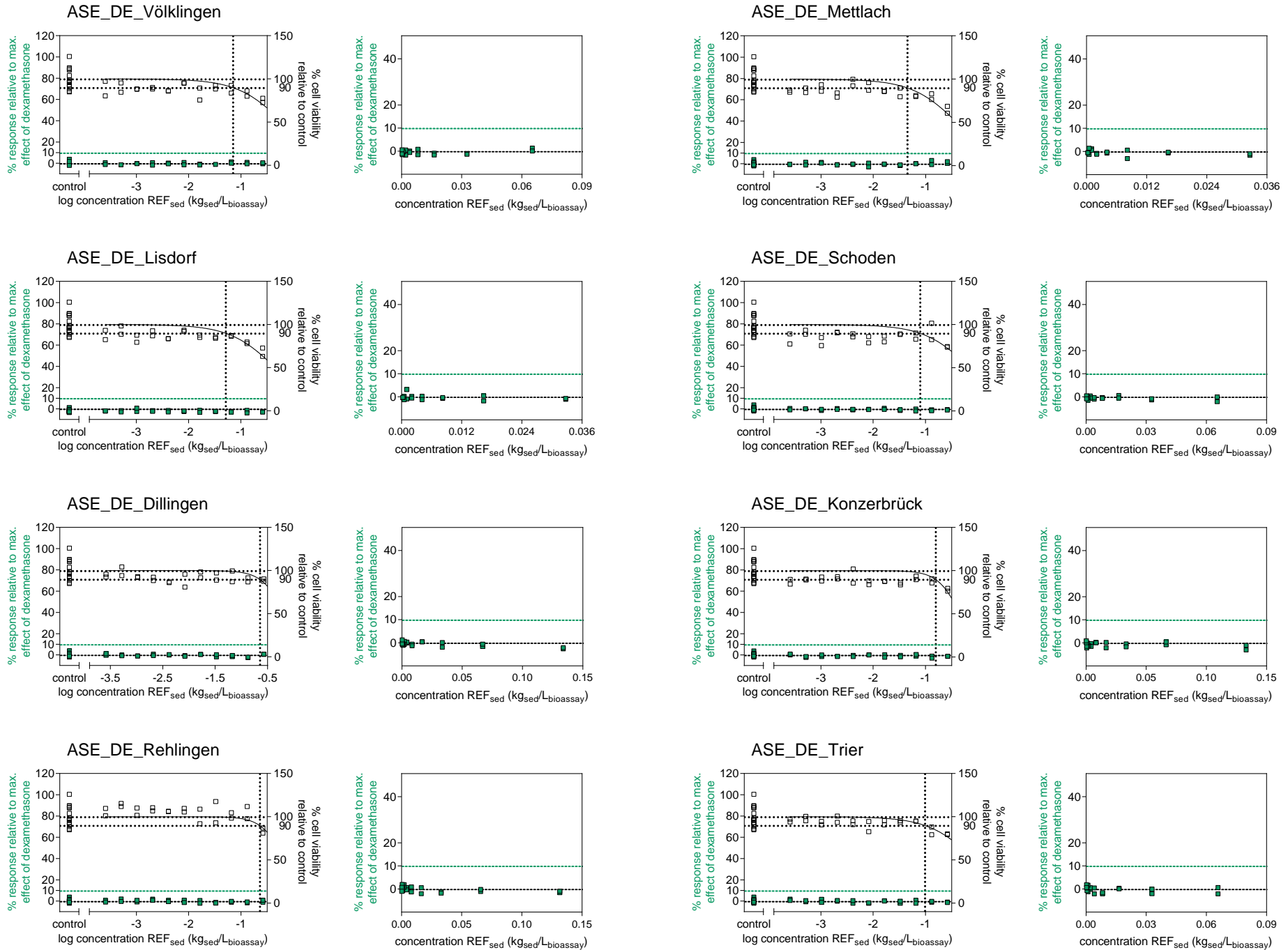


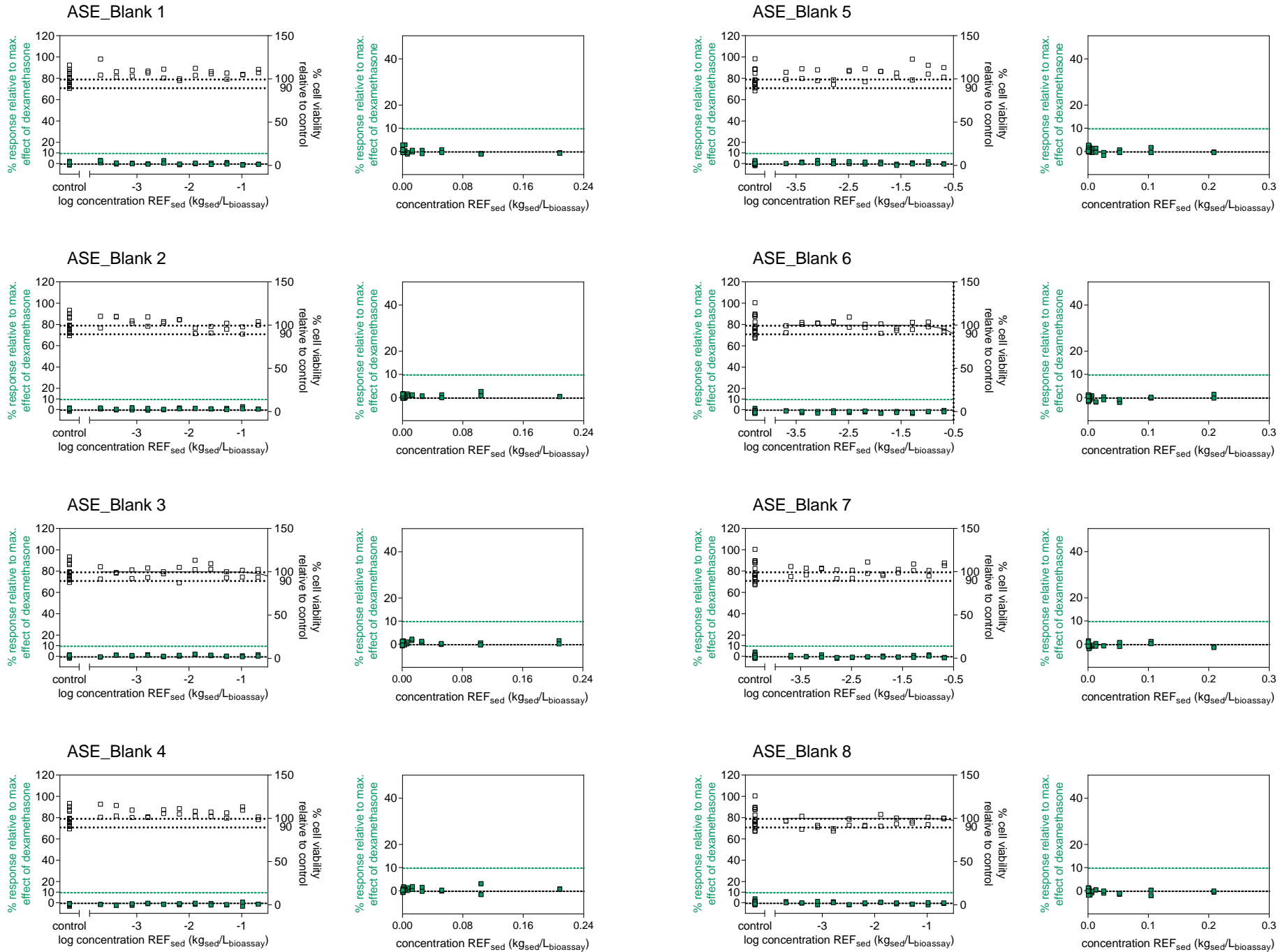






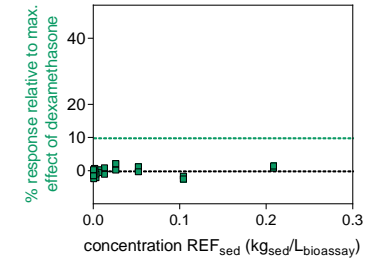
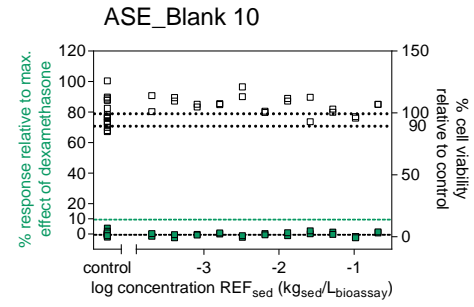
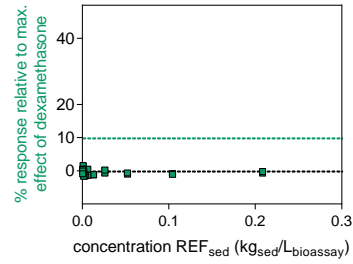
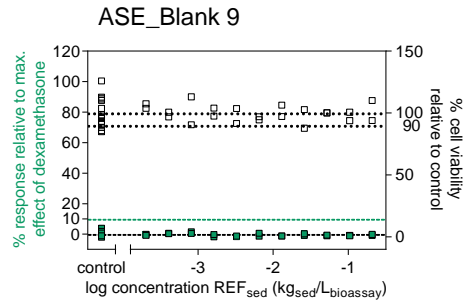


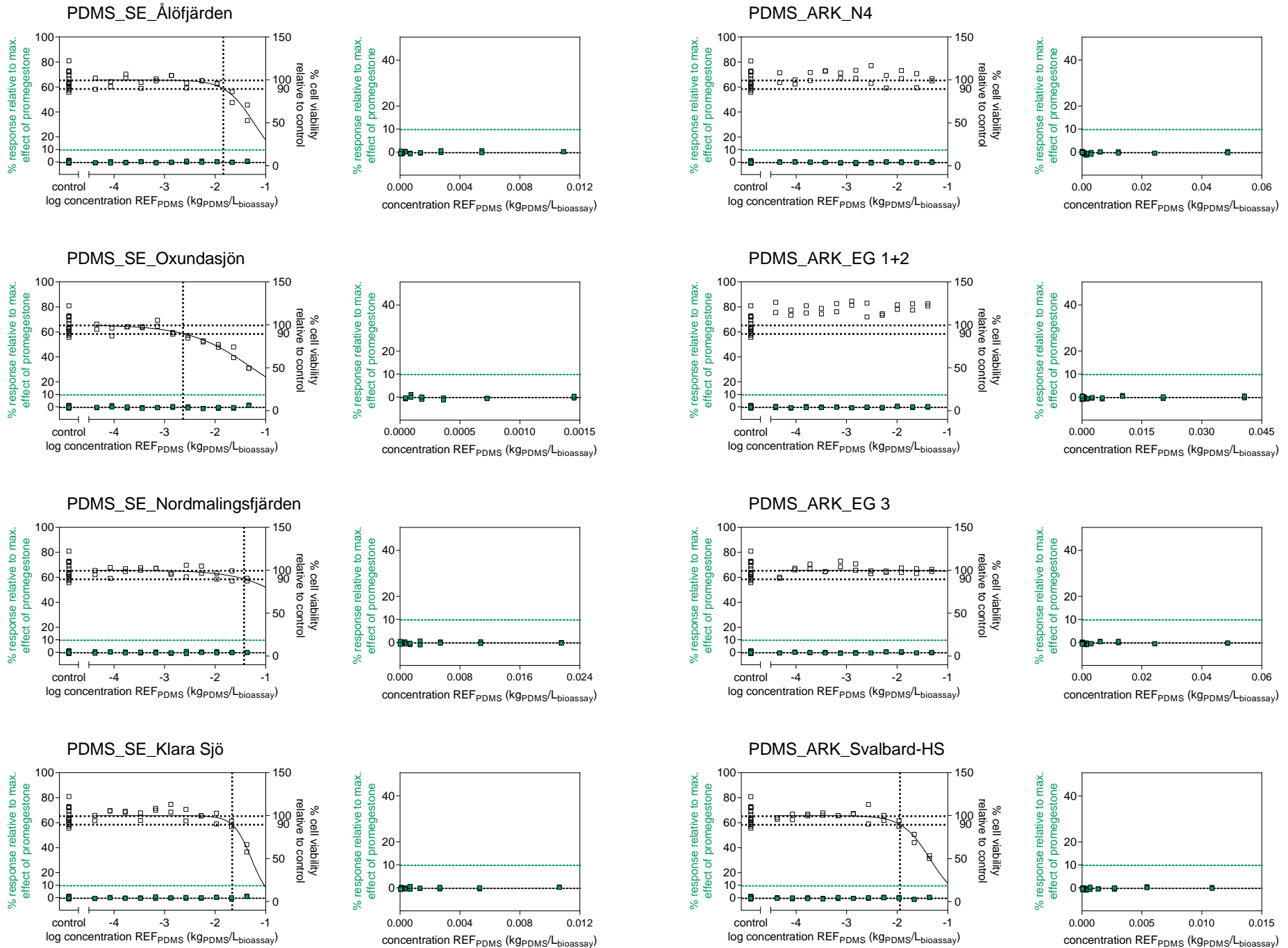


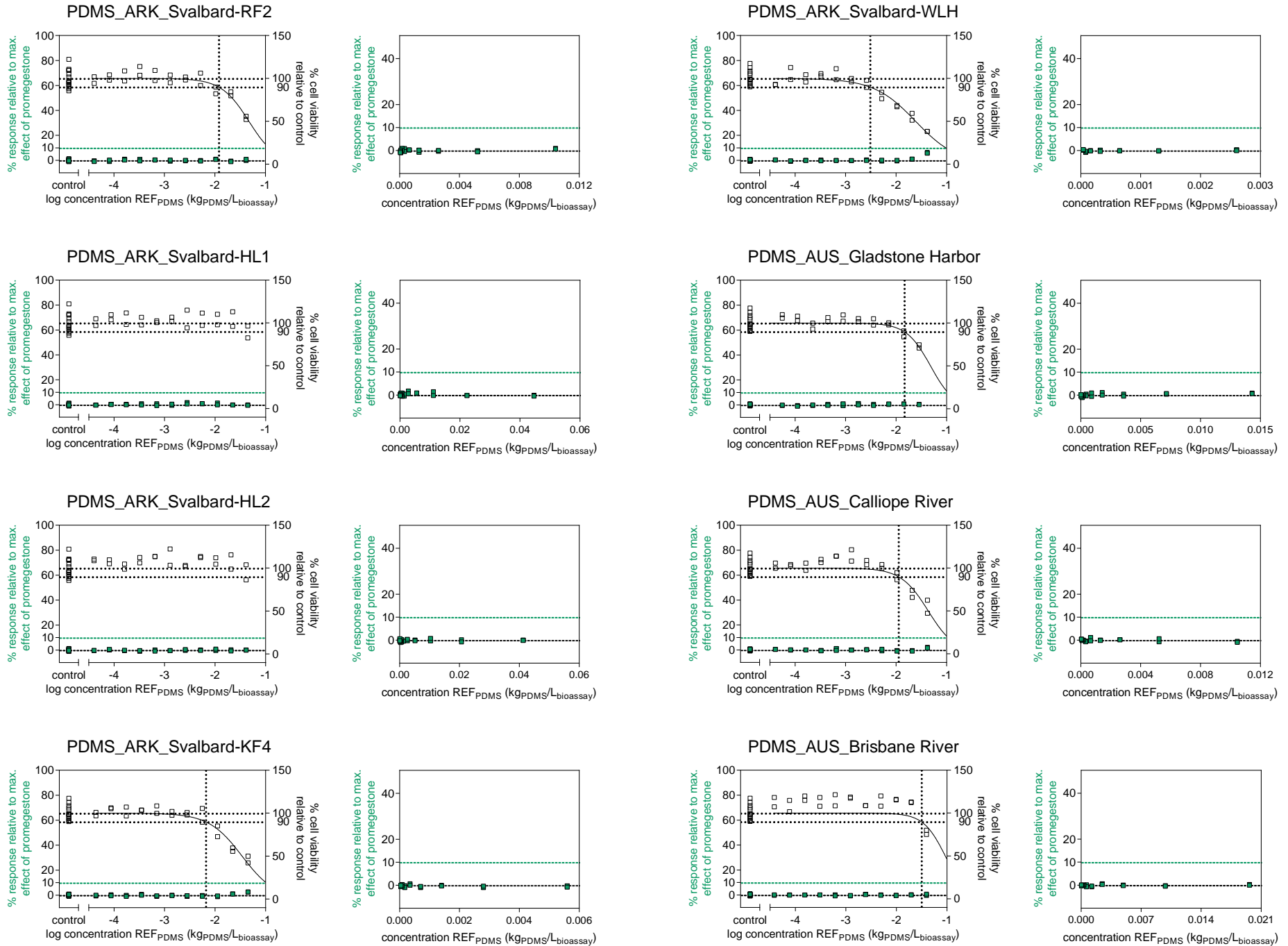


Supporting Information

Figure DS5: Logarithmic and linear concentration-effect curves for GR

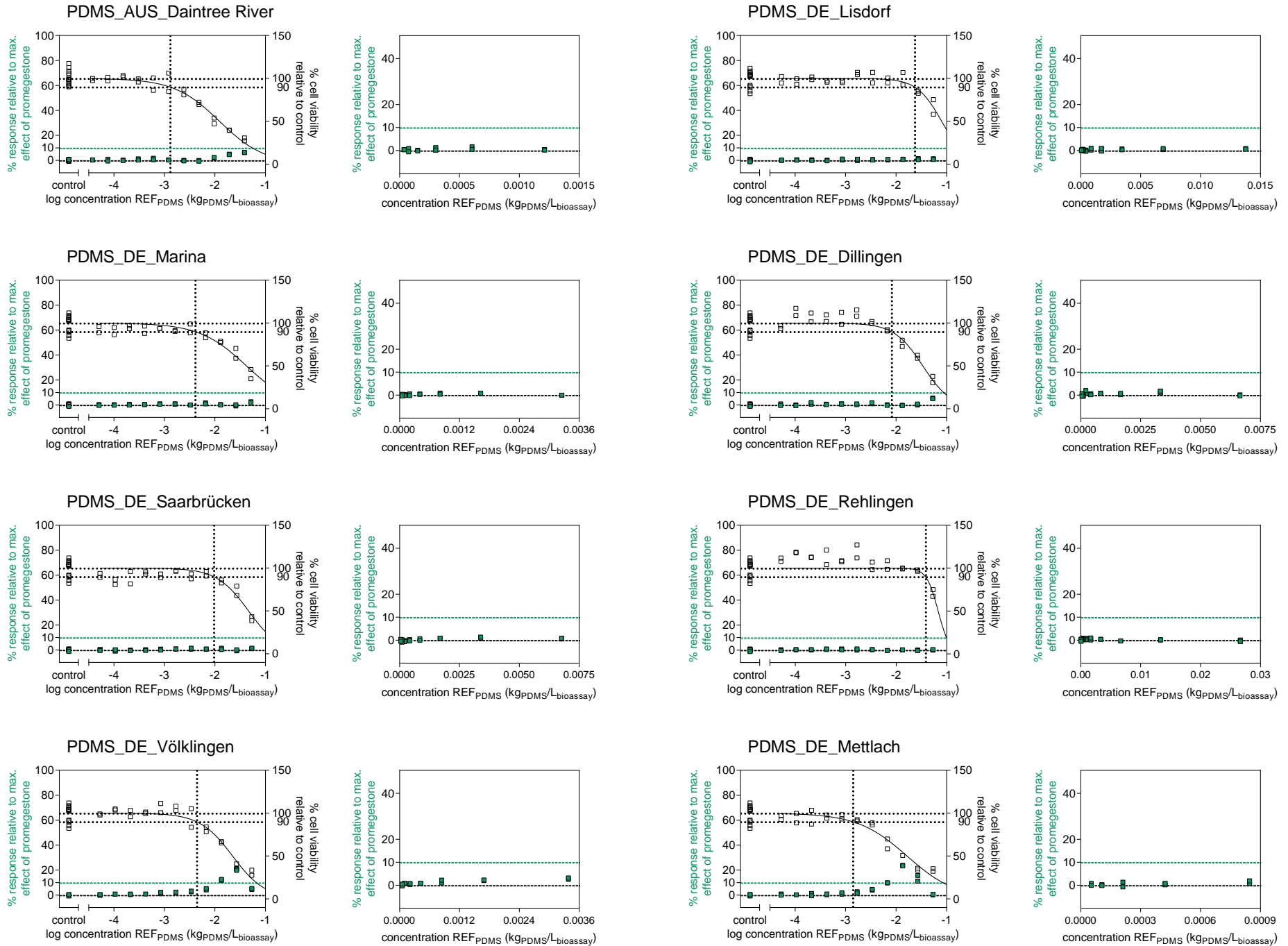






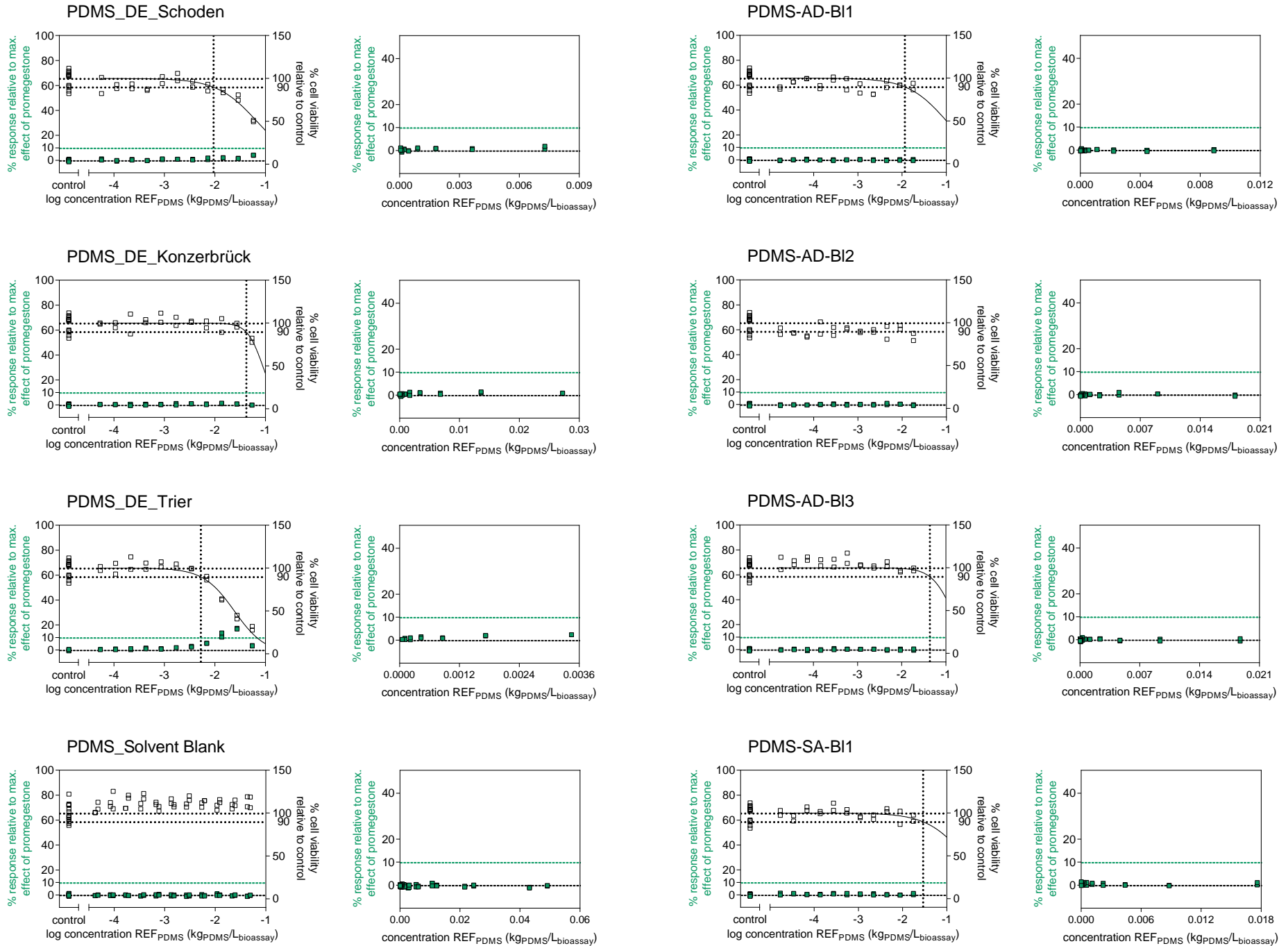
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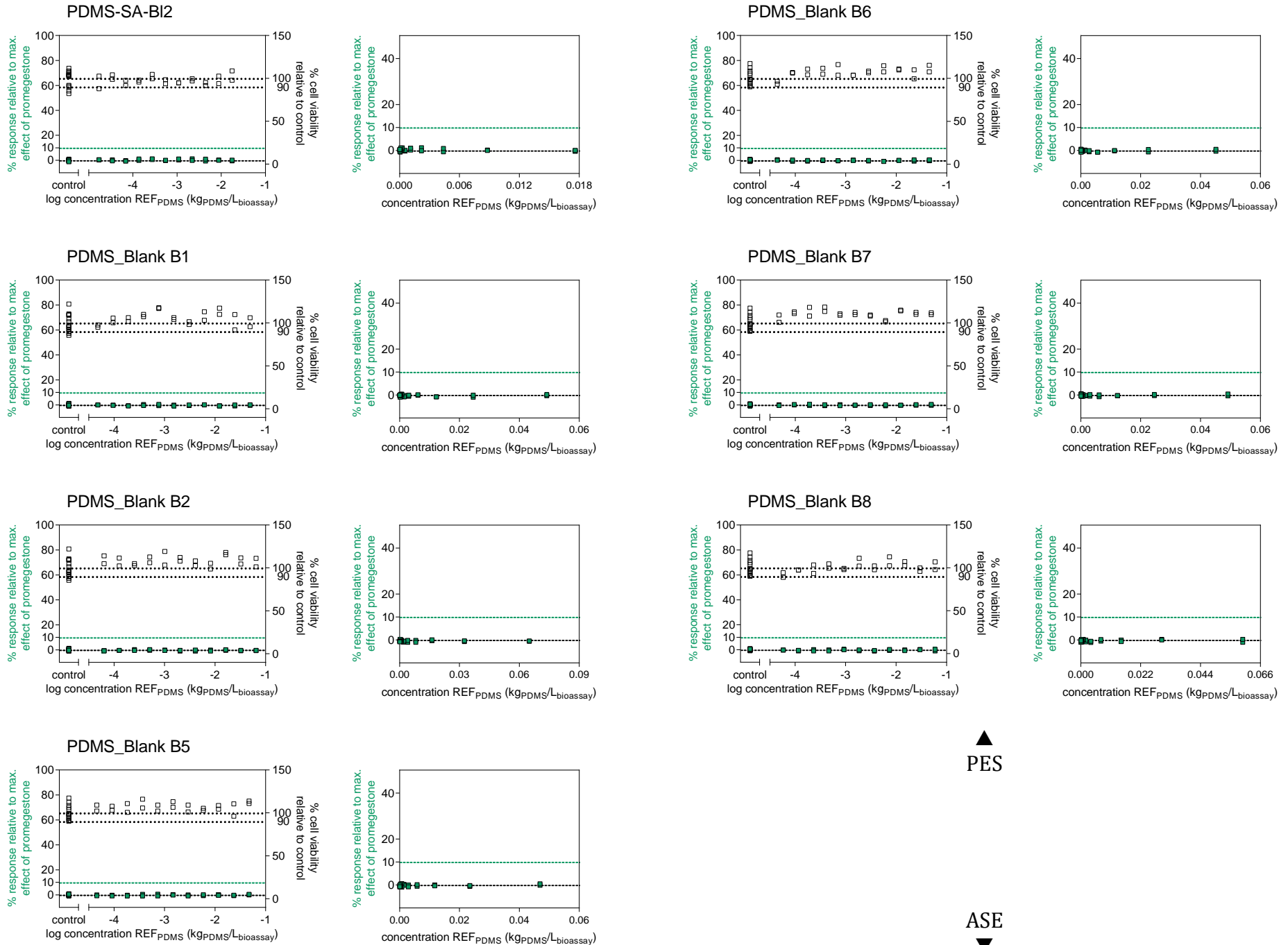
Figure DS6: Logarithmic and linear concentration-effect curves for PR



Supporting Information

Figure DS6: Logarithmic and linear concentration-effect curves for PR



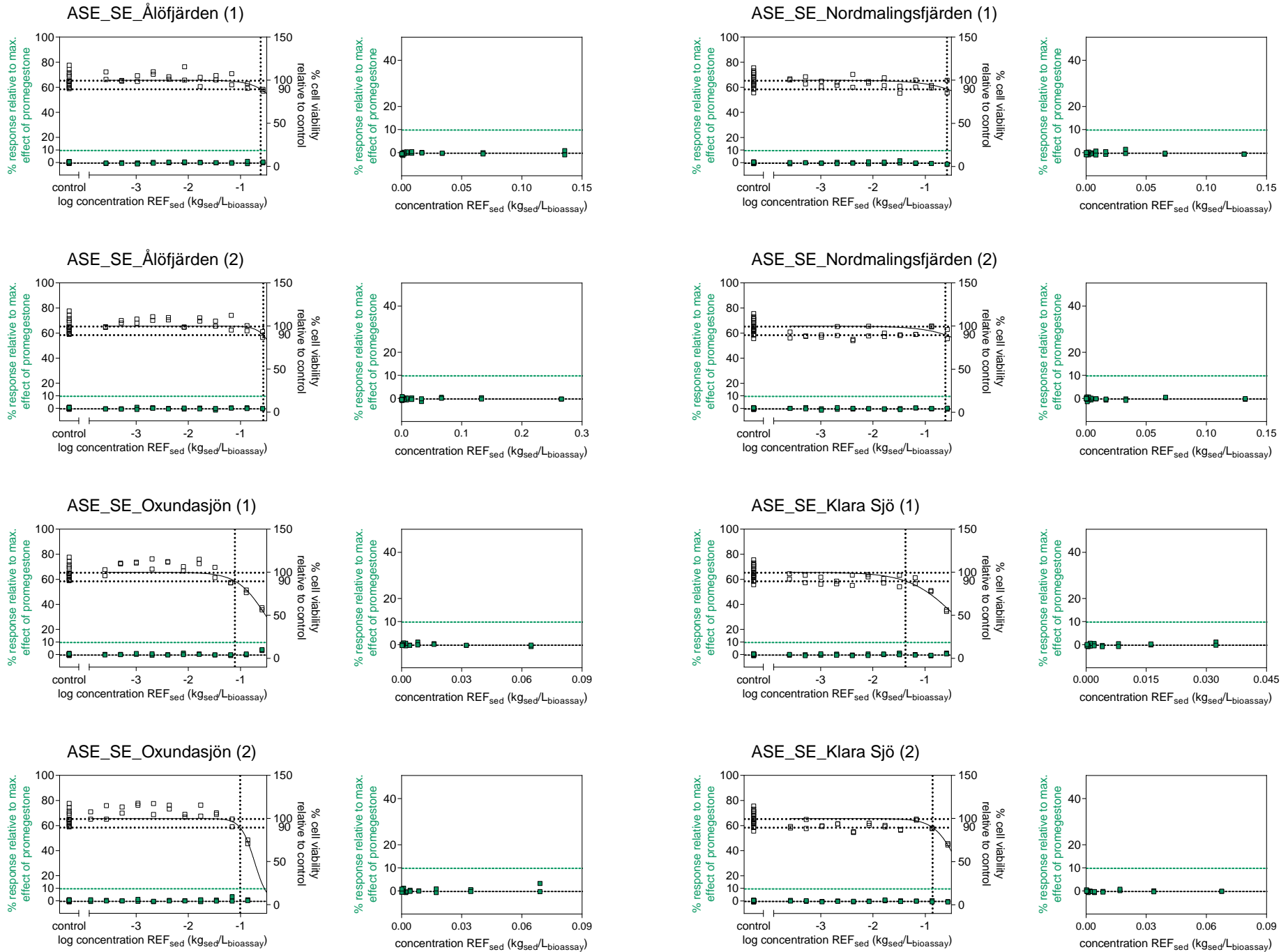


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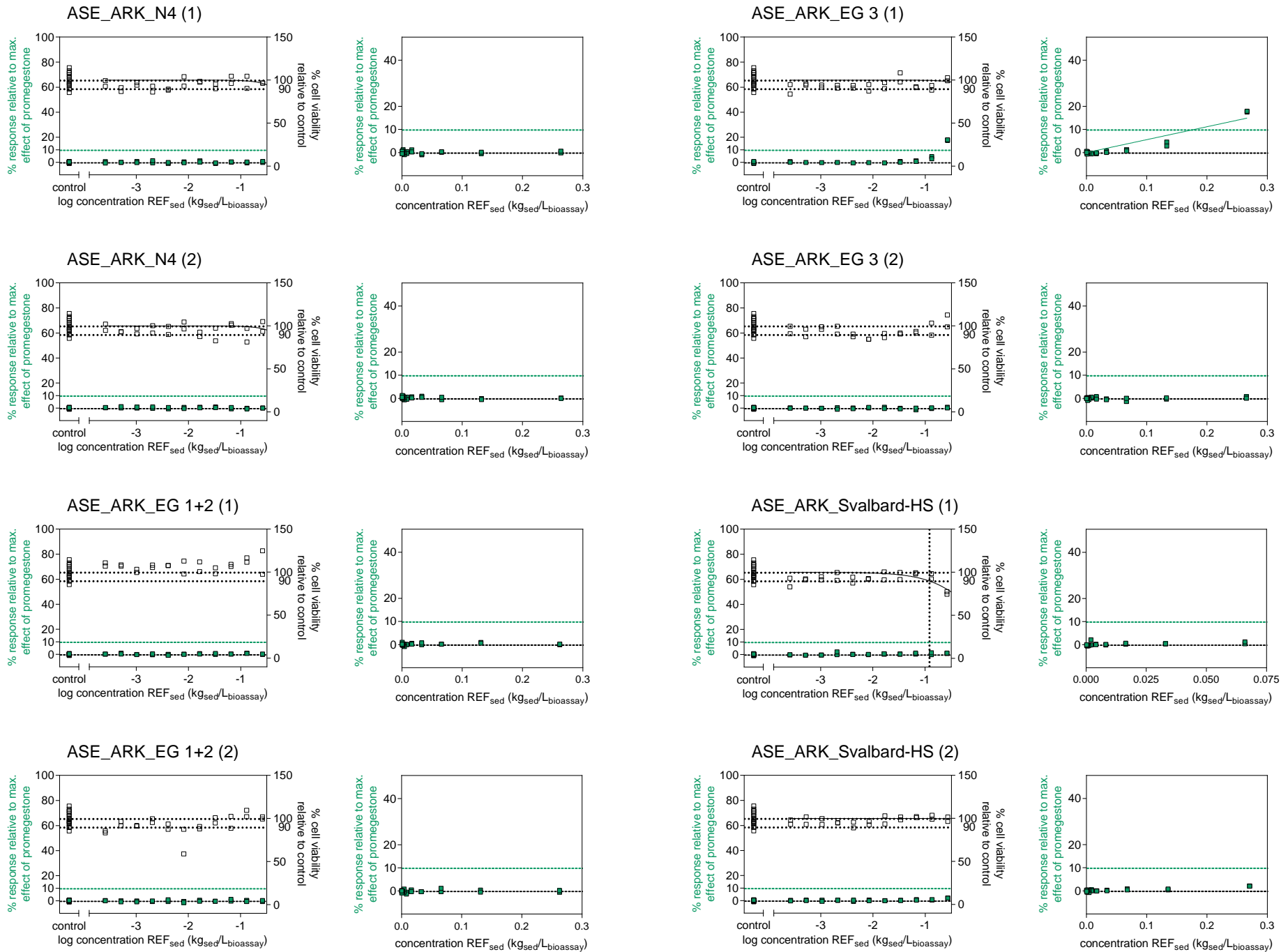
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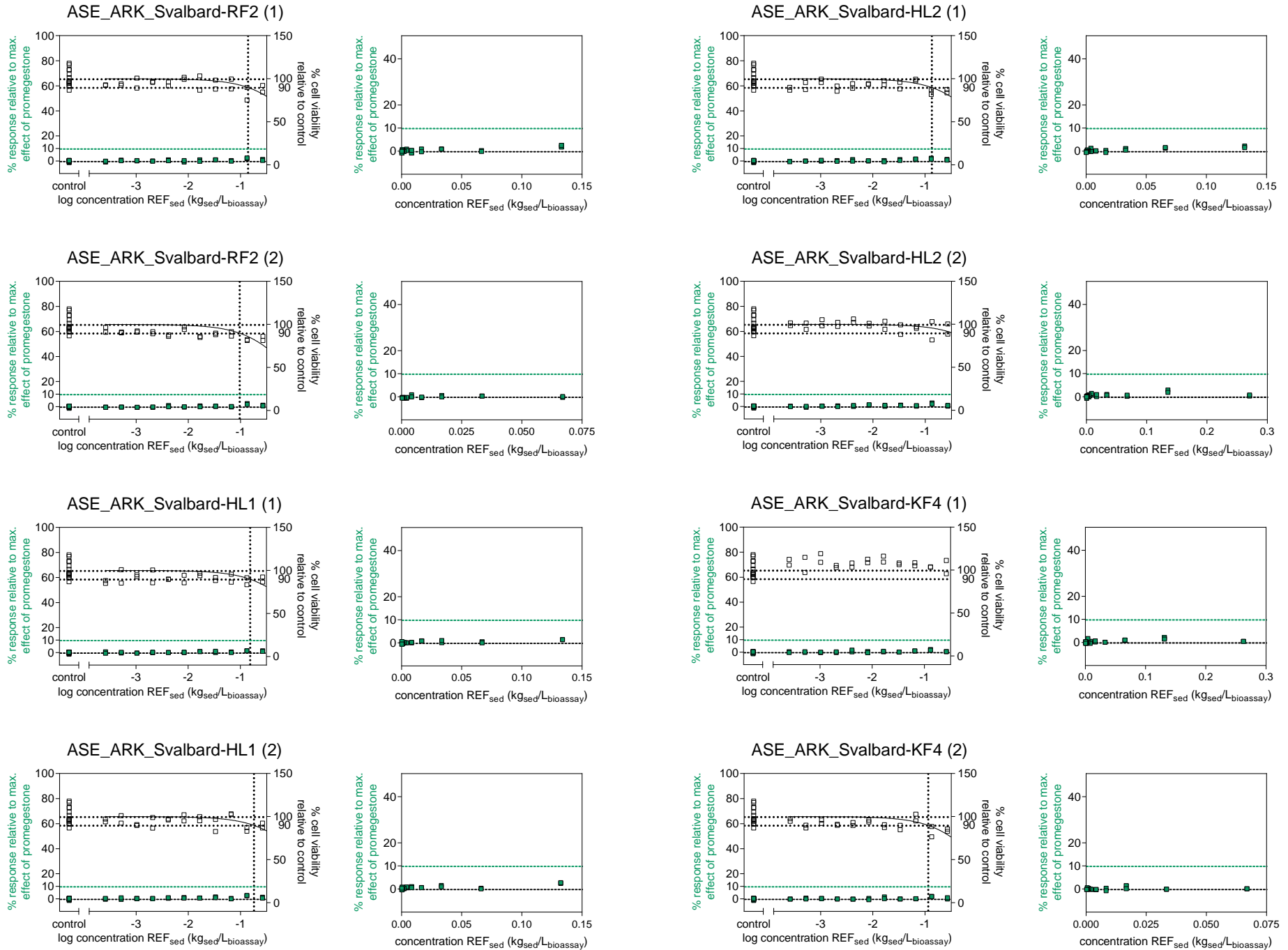
Figure DS6: Logarithmic and linear concentration-effect curves for PR

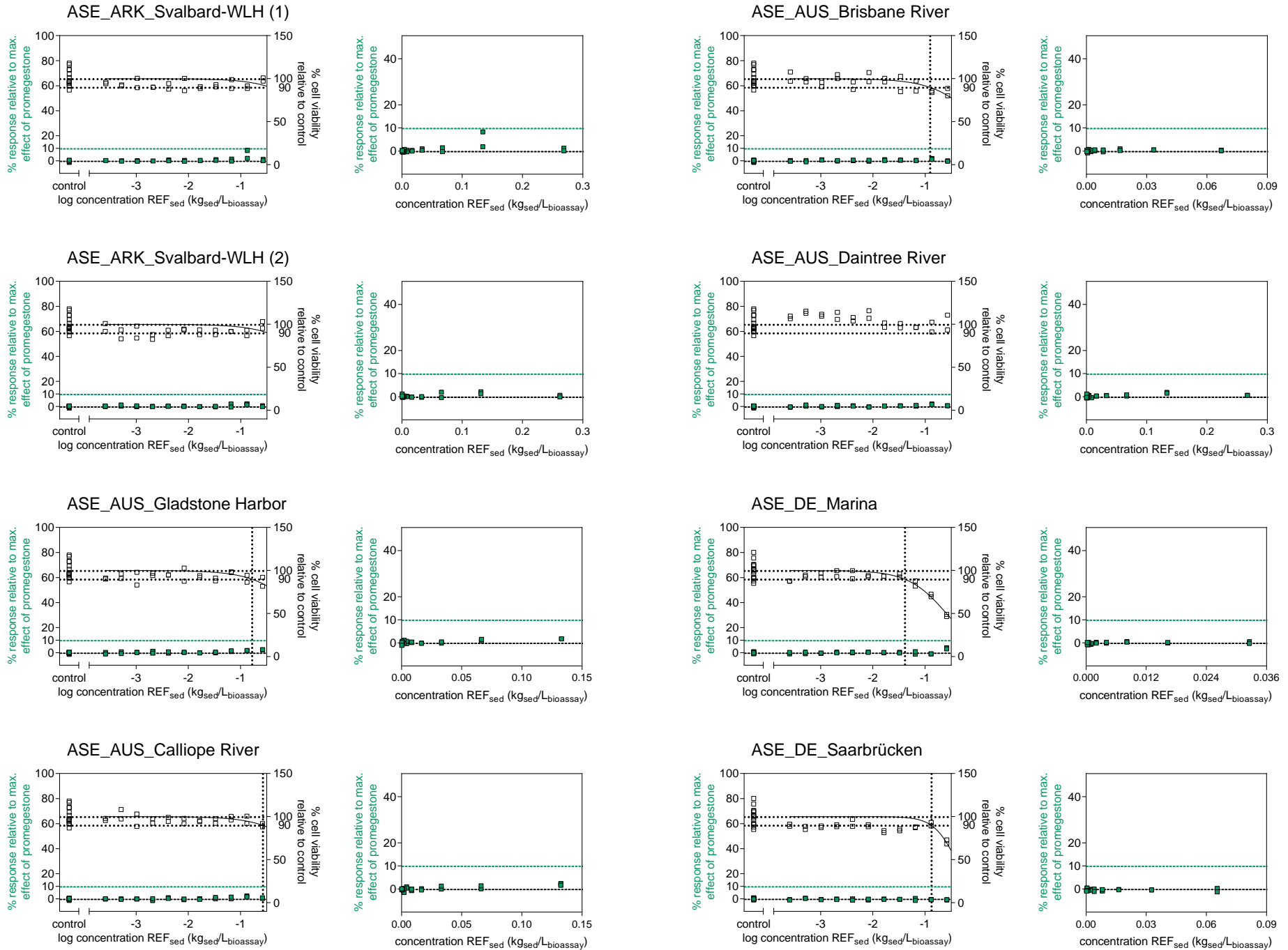


Supporting Information

Figure DS6: Logarithmic and linear concentration-effect curves for PR

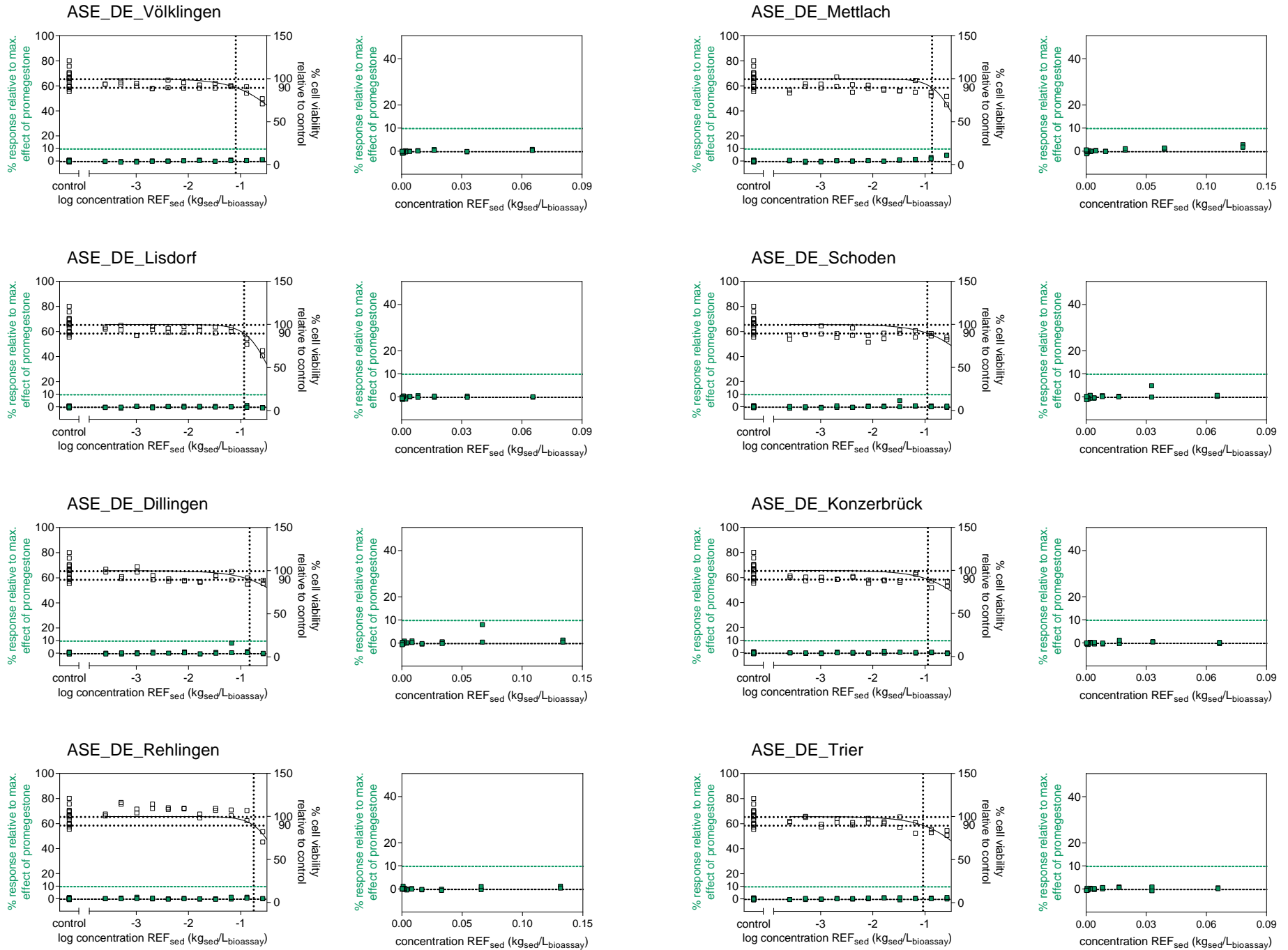


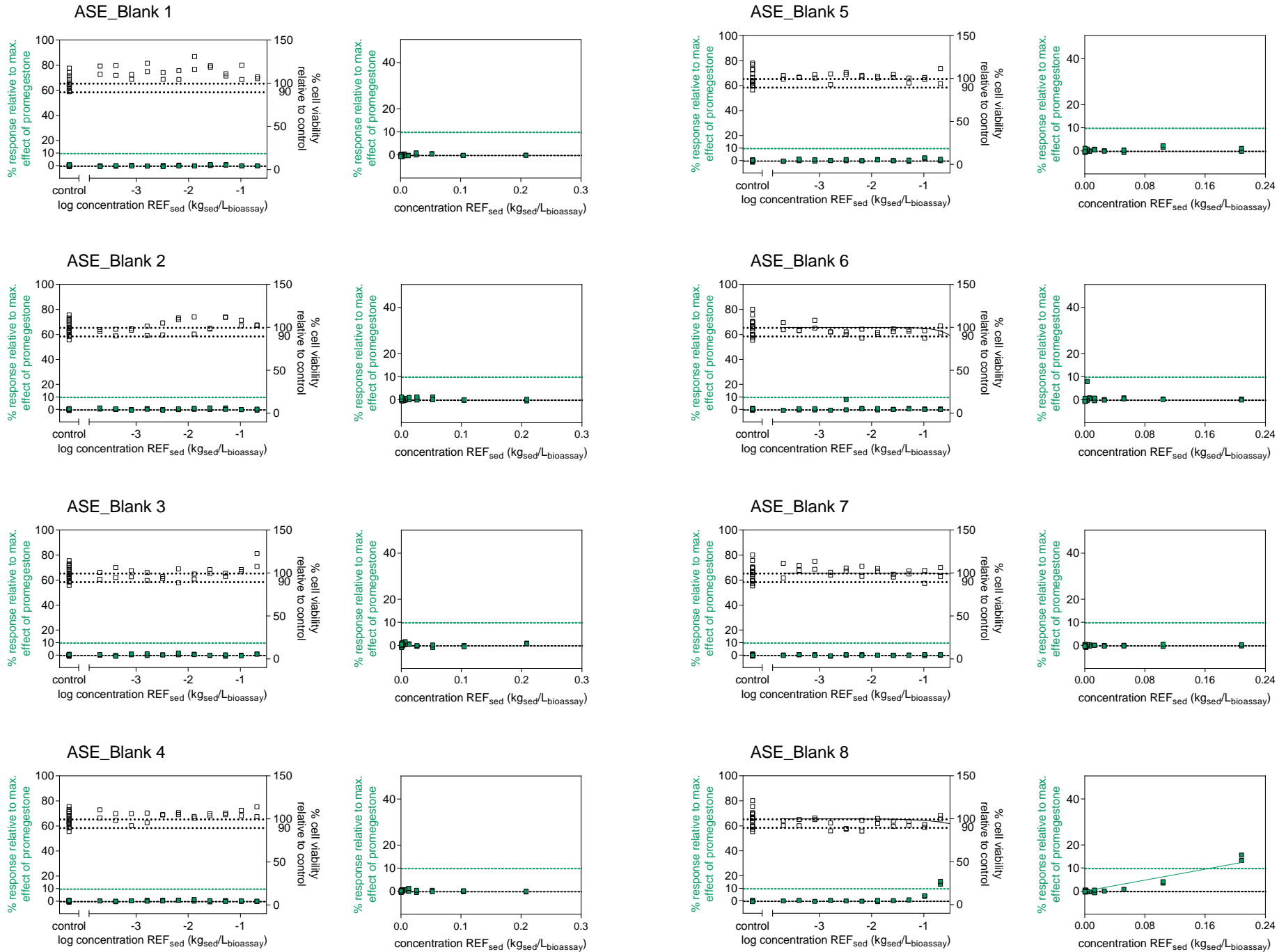


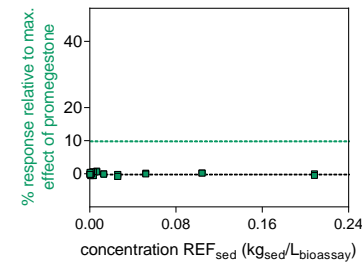
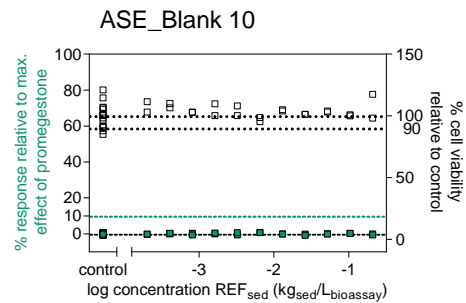
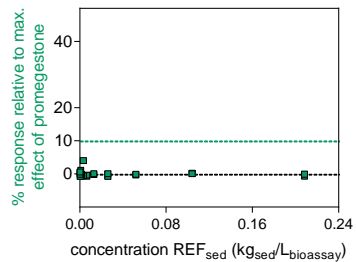
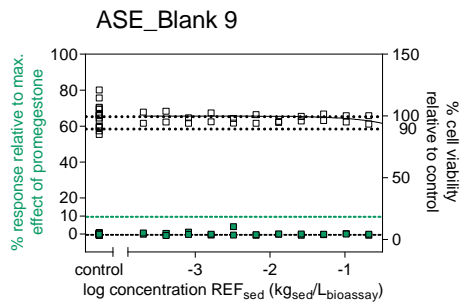


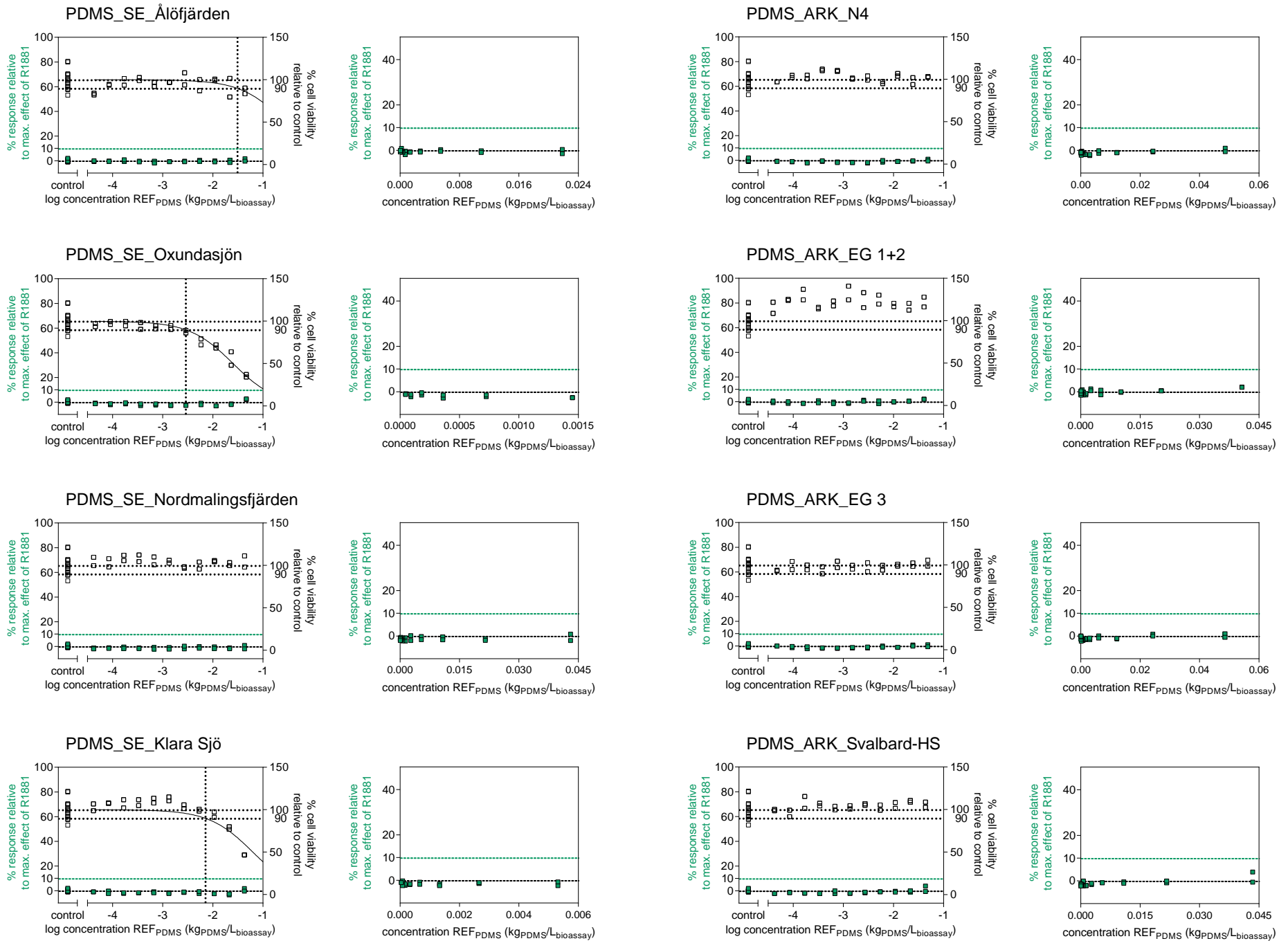
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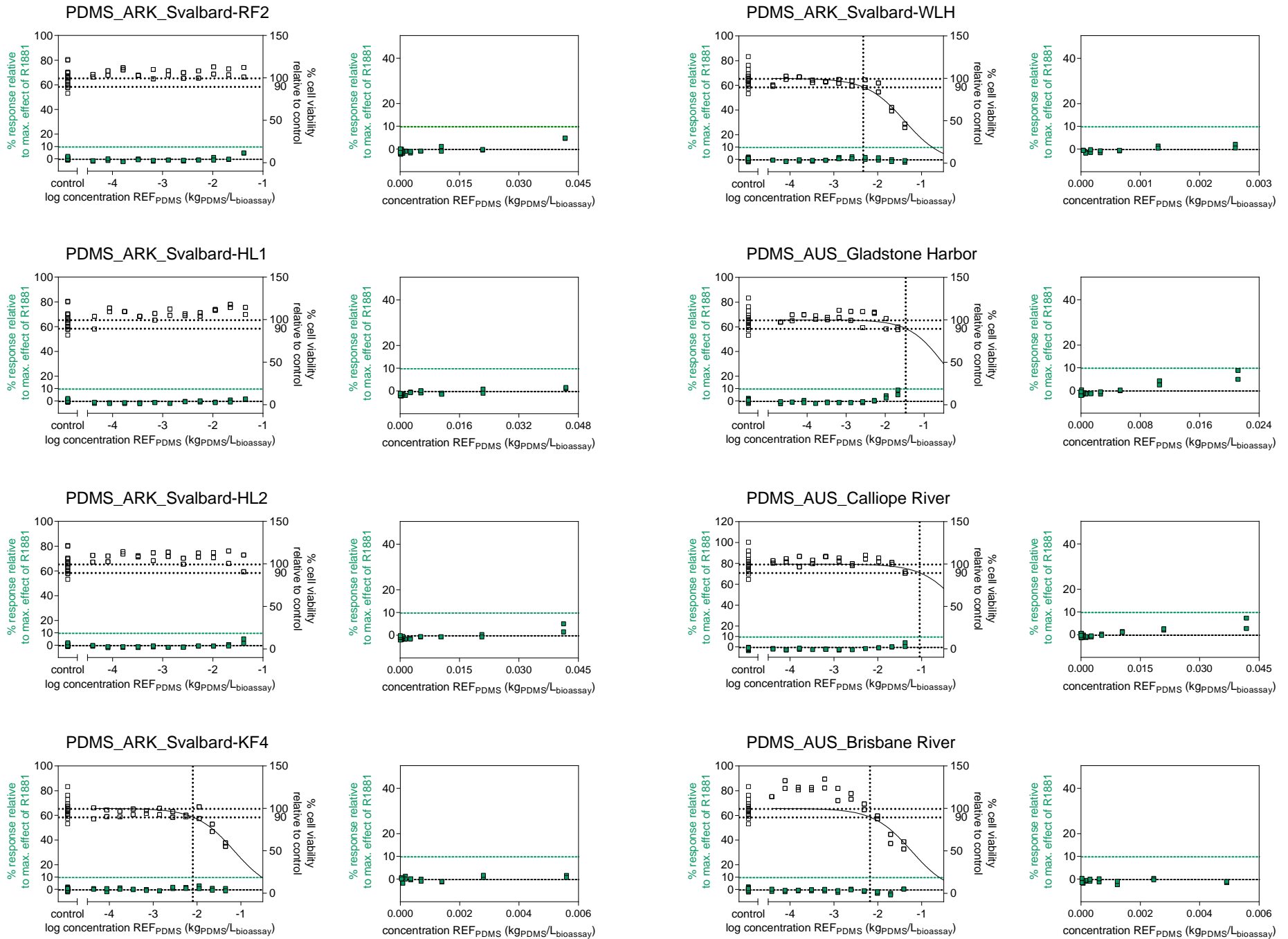
Figure DS6: Logarithmic and linear concentration-effect curves for PR



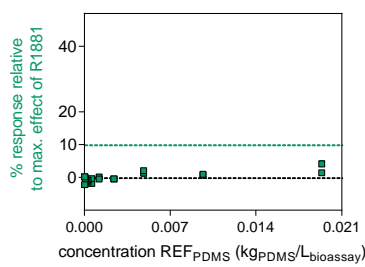
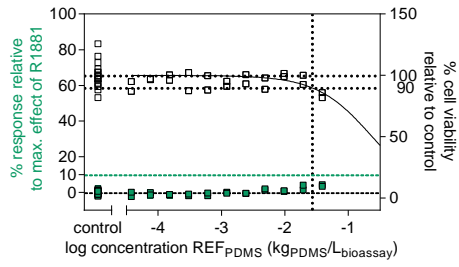




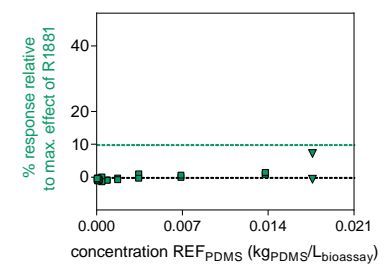
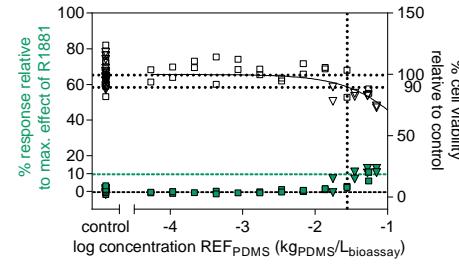




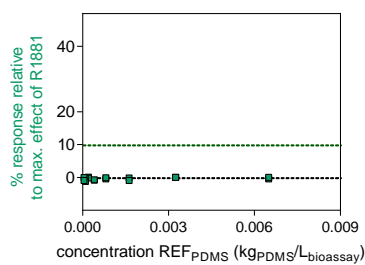
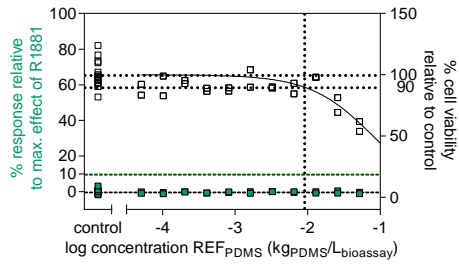
PDMS_AUS_Daintree River



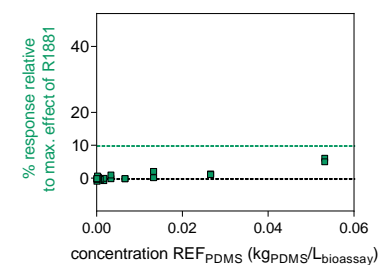
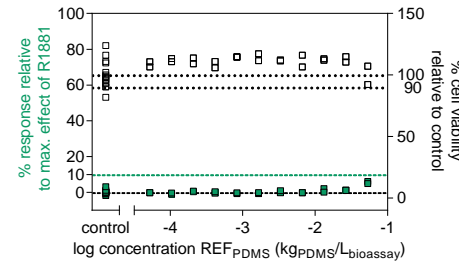
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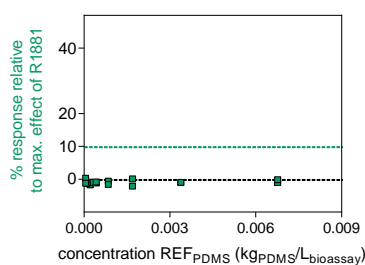
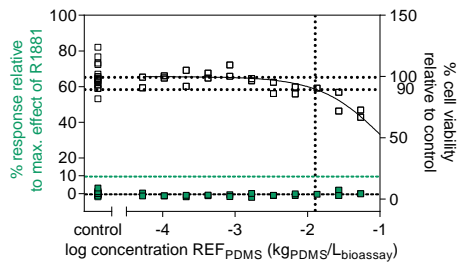
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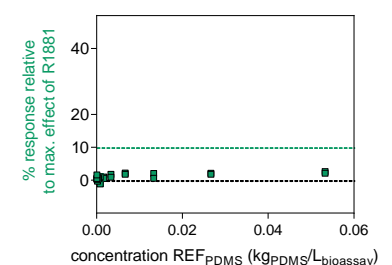
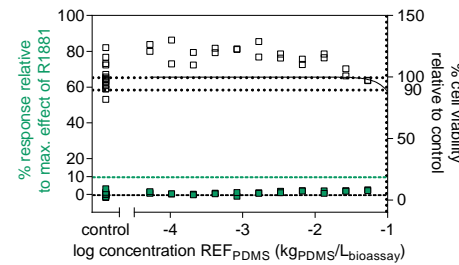
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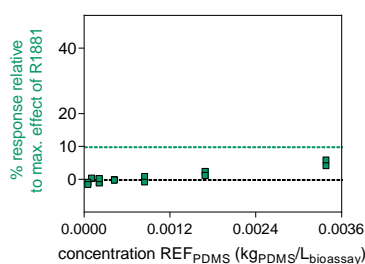
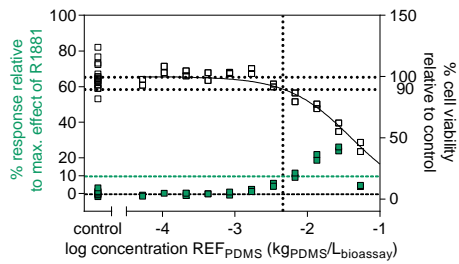
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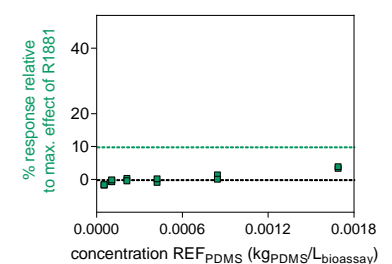
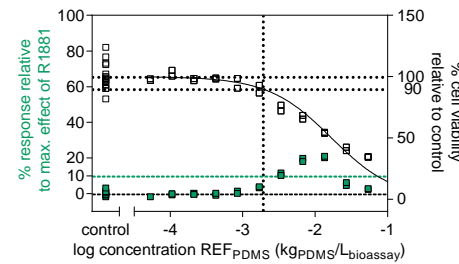
PDMS_DE_Rehlingen

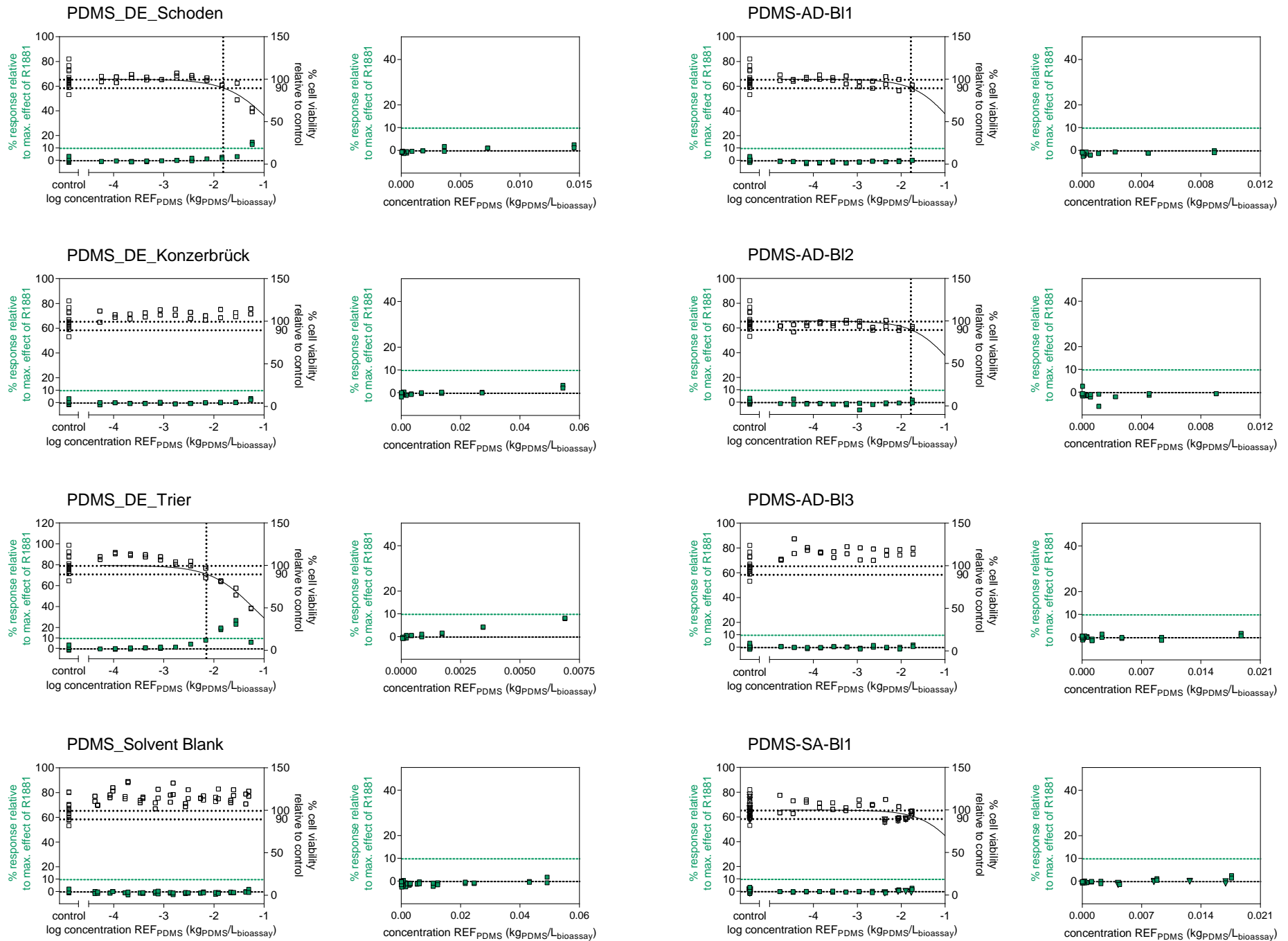


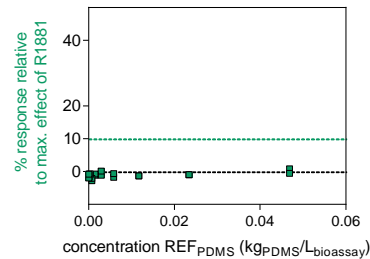
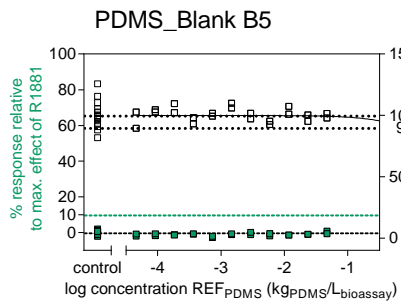
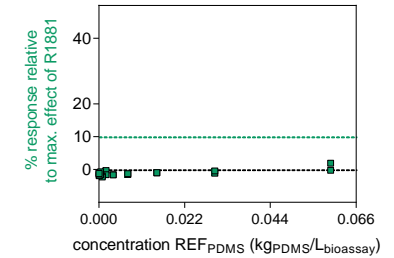
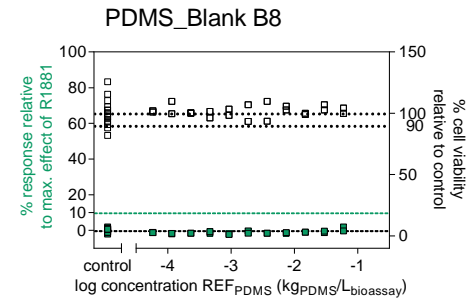
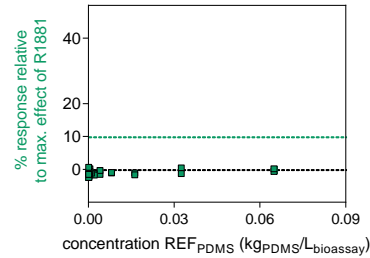
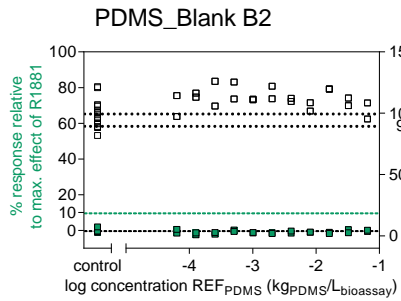
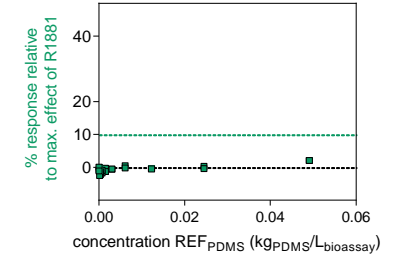
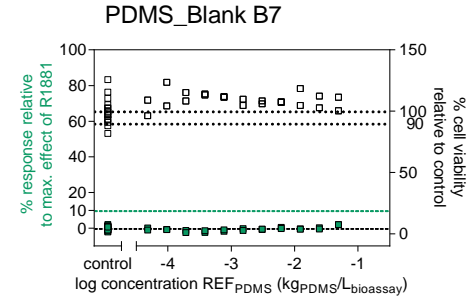
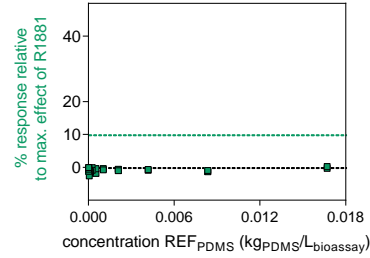
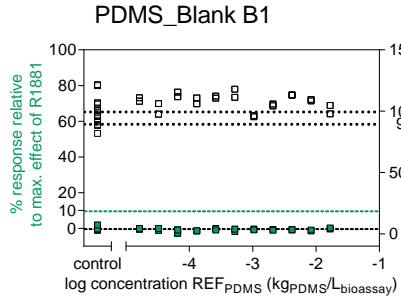
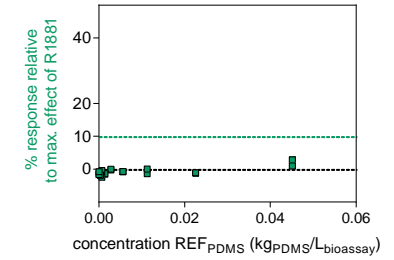
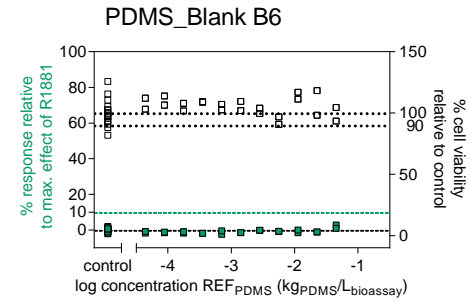
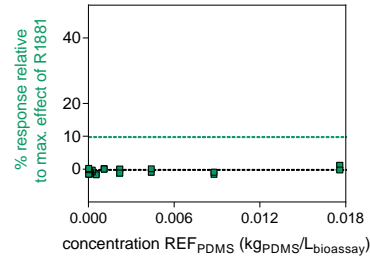
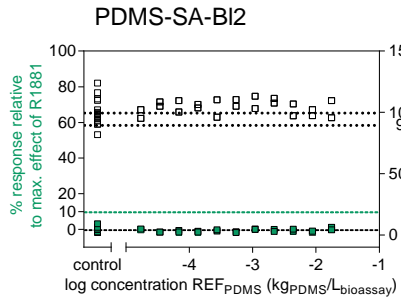
PDMS_DE_Völklingen



PDMS_DE_Mettlach

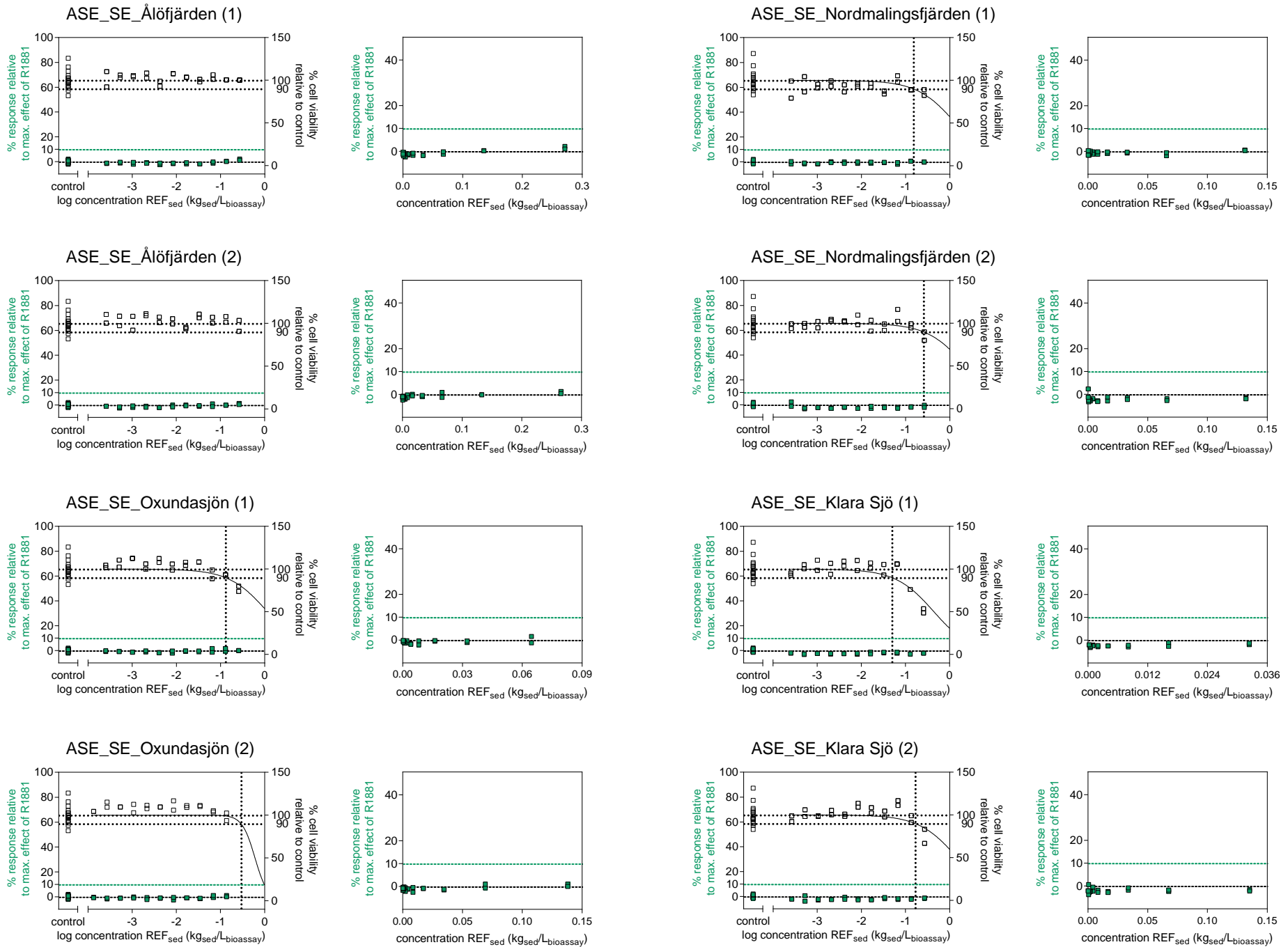




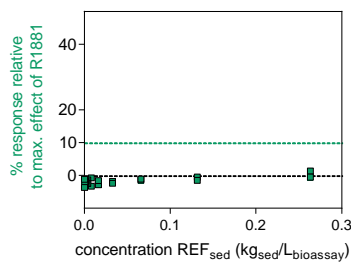
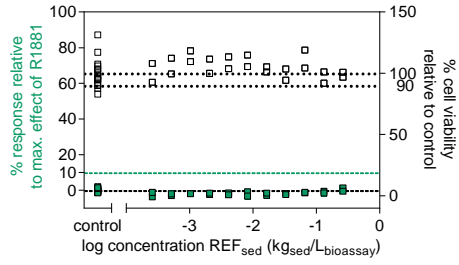


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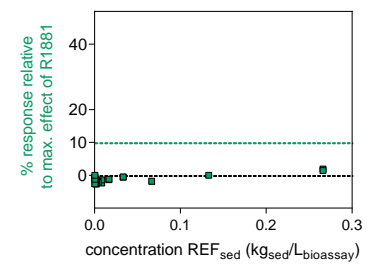
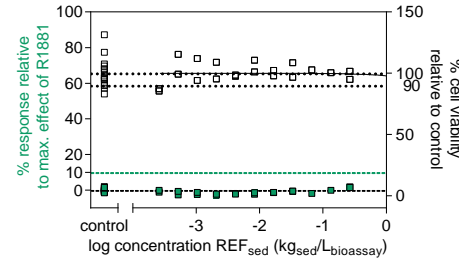
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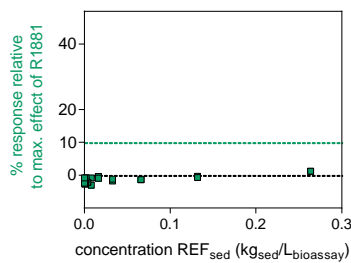
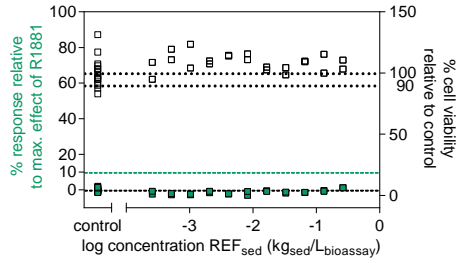
ASE_ARK_N4 (1)



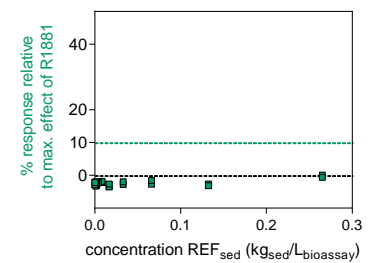
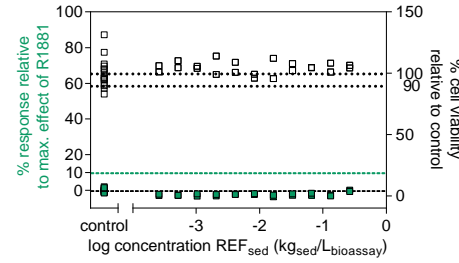
ASE_ARK_EG 3 (1)



ASE_ARK_N4 (2)



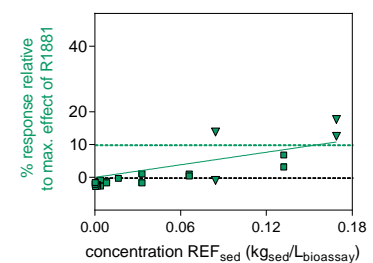
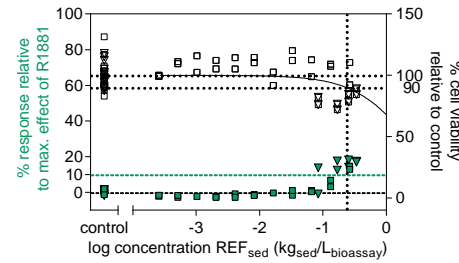
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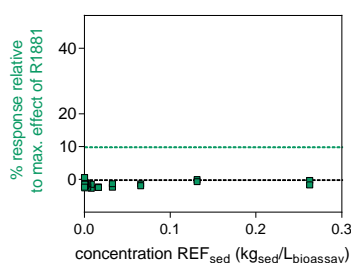
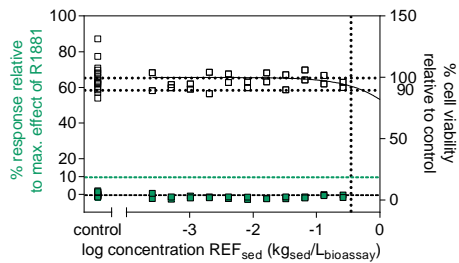
ASE_ARK_EG 1+2 (1)

n.a.

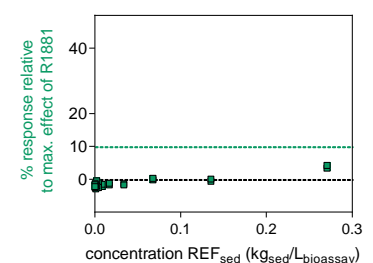
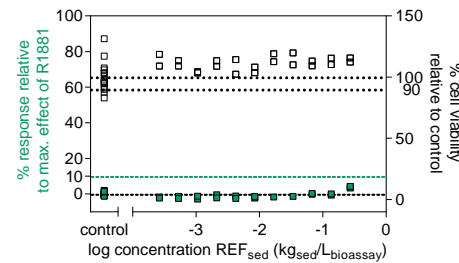
ASE_ARK_Svalbard-HS (1)

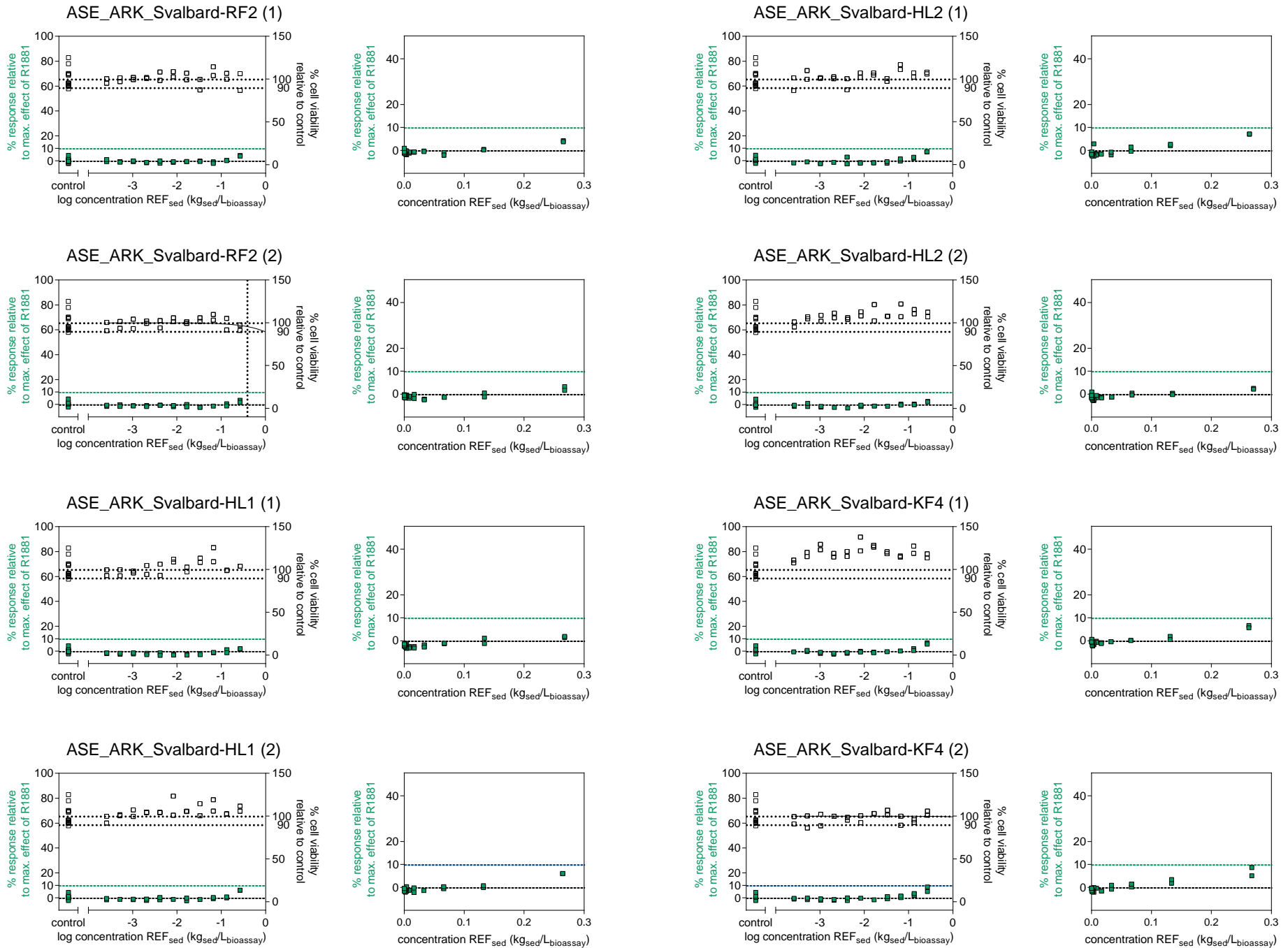


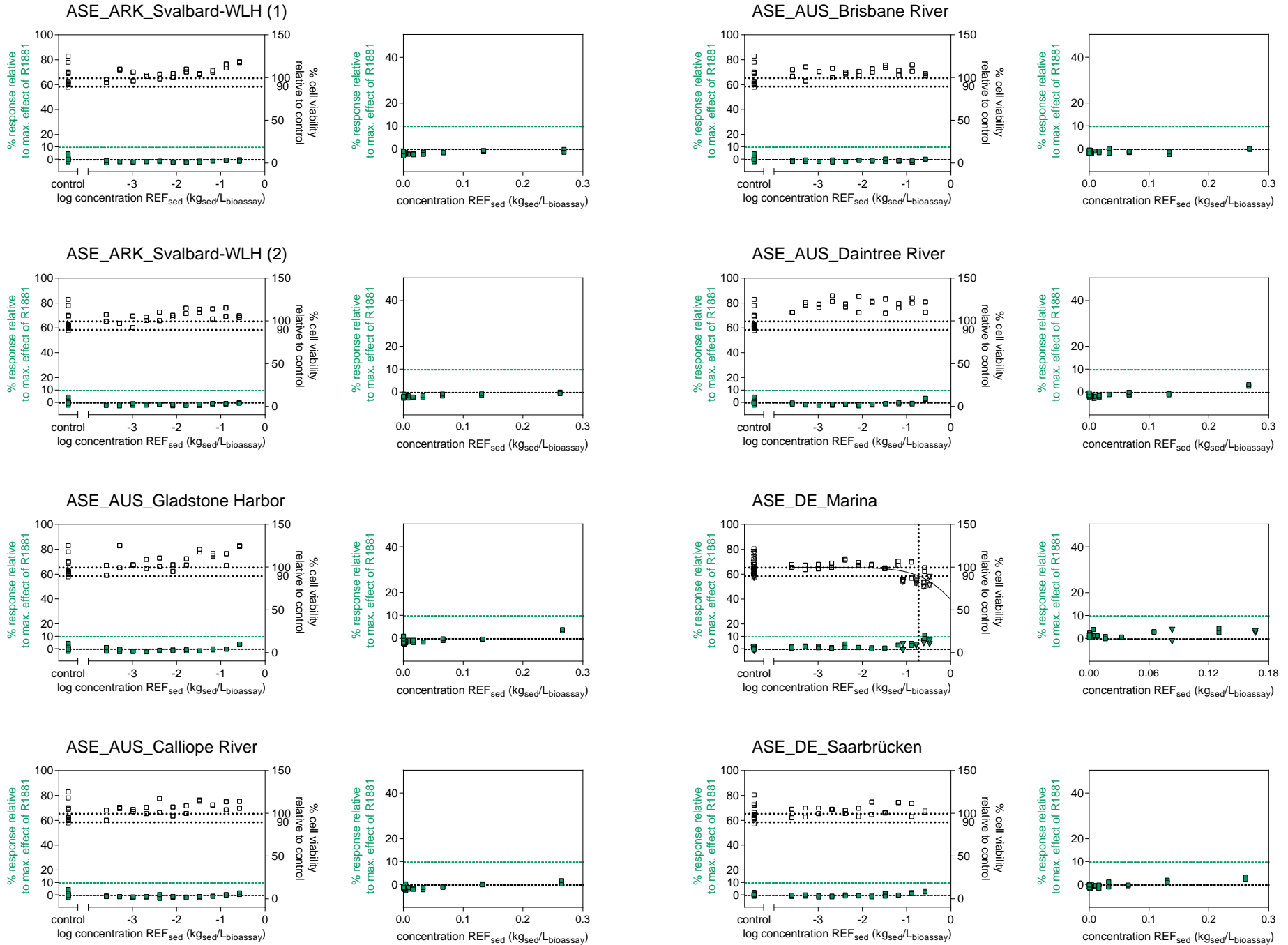
ASE_ARK_EG 1+2 (2)



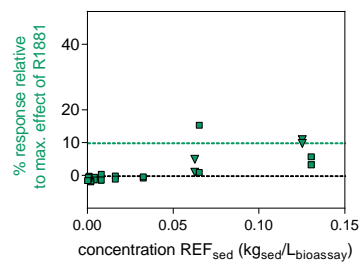
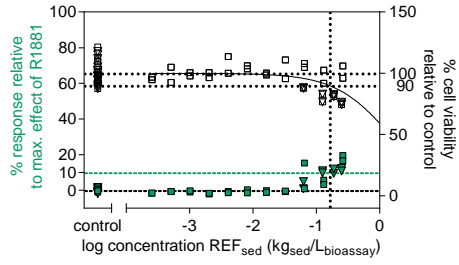
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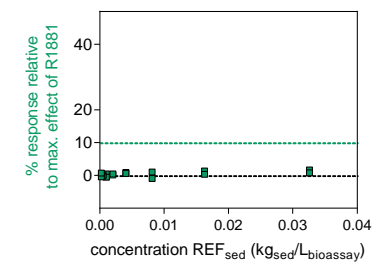
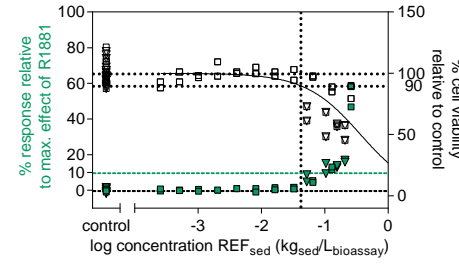




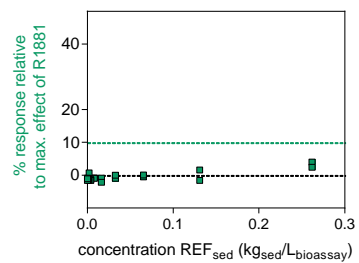
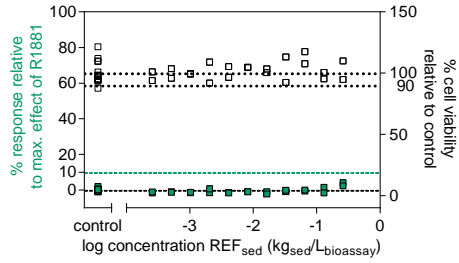
ASE_DE_Völklingen



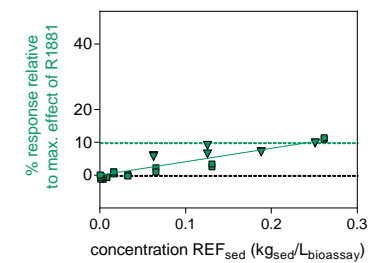
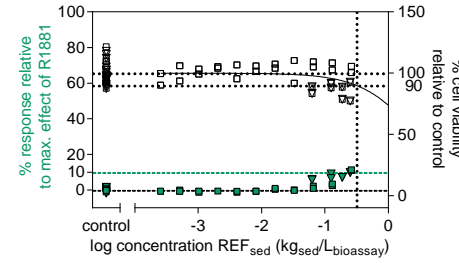
ASE_DE_Mettlach



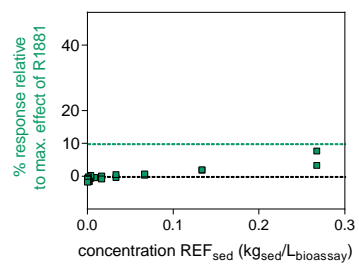
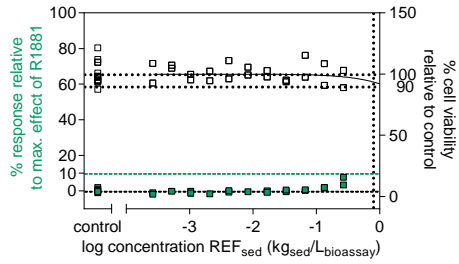
ASE_DE_Lisdorf



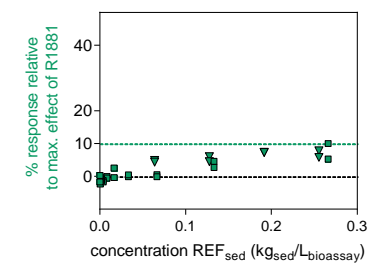
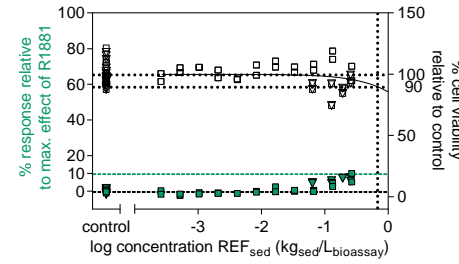
ASE_DE_Schoden



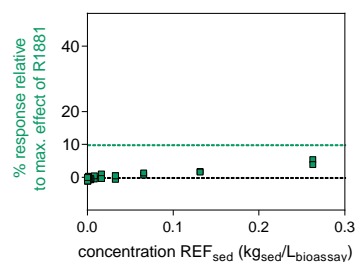
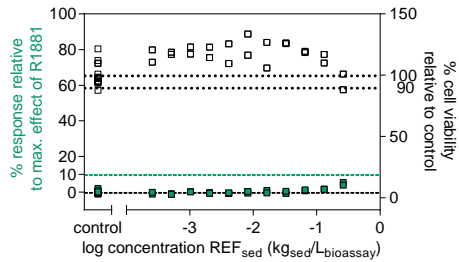
ASE_DE_Dillingen



ASE_DE_Konzerbrück



ASE_DE_Rehlingen



ASE_DE_Trier

