

APPENDIX 9 Observed and predicted dose-response curves

The observed and the predicted dose-response curves for every sample that was used to develop the statistical models are shown in this appendix.

Each figure shows the predicted dose-response curve (shown in black) and its 95% confidence limits (shown in blue) that were determined on the basis of the PAC profile of the sample and the appropriate model. The observed responses for the sample are shown in red. The response axis is shown as a percentage of the corresponding control value.

The figures are grouped first by HPV Grouping:

- Crude Oil
- Gasoline
- Gas Oils
- Heavy Fuel Oils
- Lubricating Oils
- Aromatic Extracts
- Other

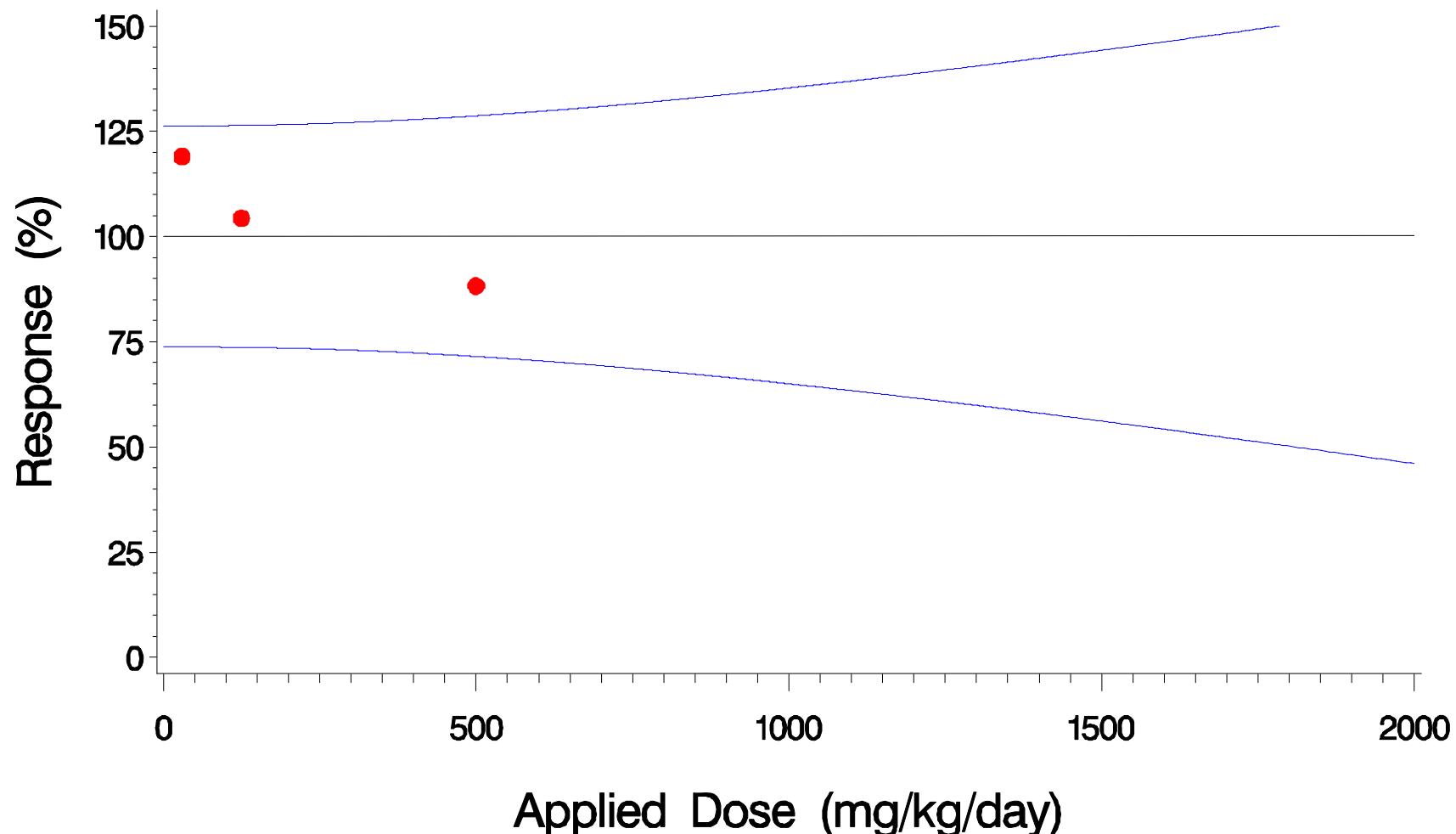
then grouped by endpoint:

Repeat-dose toxicity studies	Thymus weight
	Platelet count
	Hemoglobin concentration
	Liver weight
Developmental toxicity studies (Prenatal)	Maternal Thymus weight
	Fetal body weight
	Live fetuses/litter
	Percent Resorptions
Developmental toxicity studies (Postnatal)	Pup body weight
	Total pups/litter
	Live pups/litter

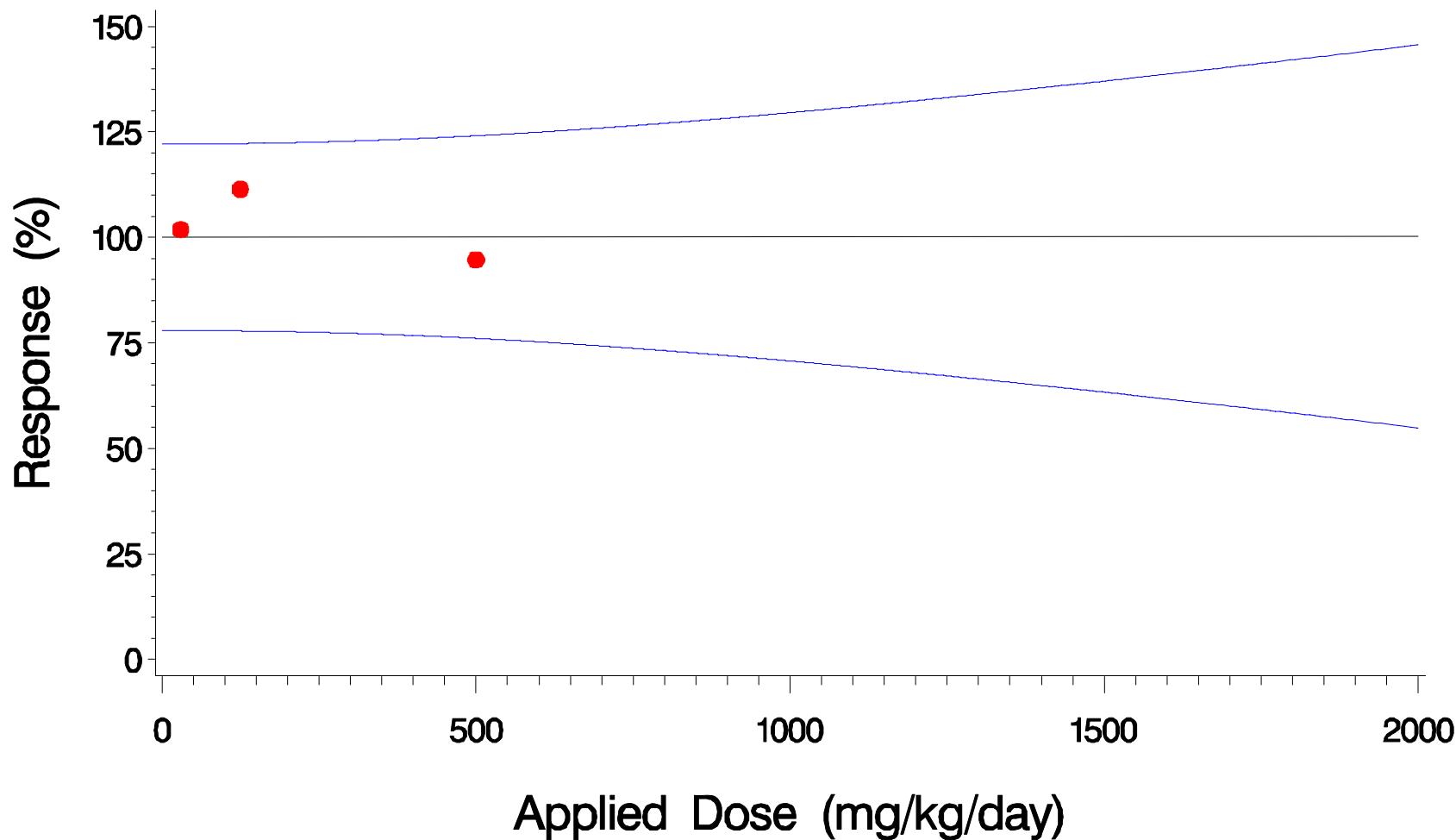
then grouped by sample number and sex (where appropriate).

Several of the post-natal models have unusual confidence limit (CL) patterns. An extreme example is for the GAS Oil, post-natal pup weight, sample 86270. There is only one dosed group data point for this sample, and the resulting CLs have an exaggerated parabolic shape. These postnatal models have more terms in their models than the other PAC models and this contributes to the odd CLs. As more data are developed for these endpoints the shape of the CLs will become more normal.

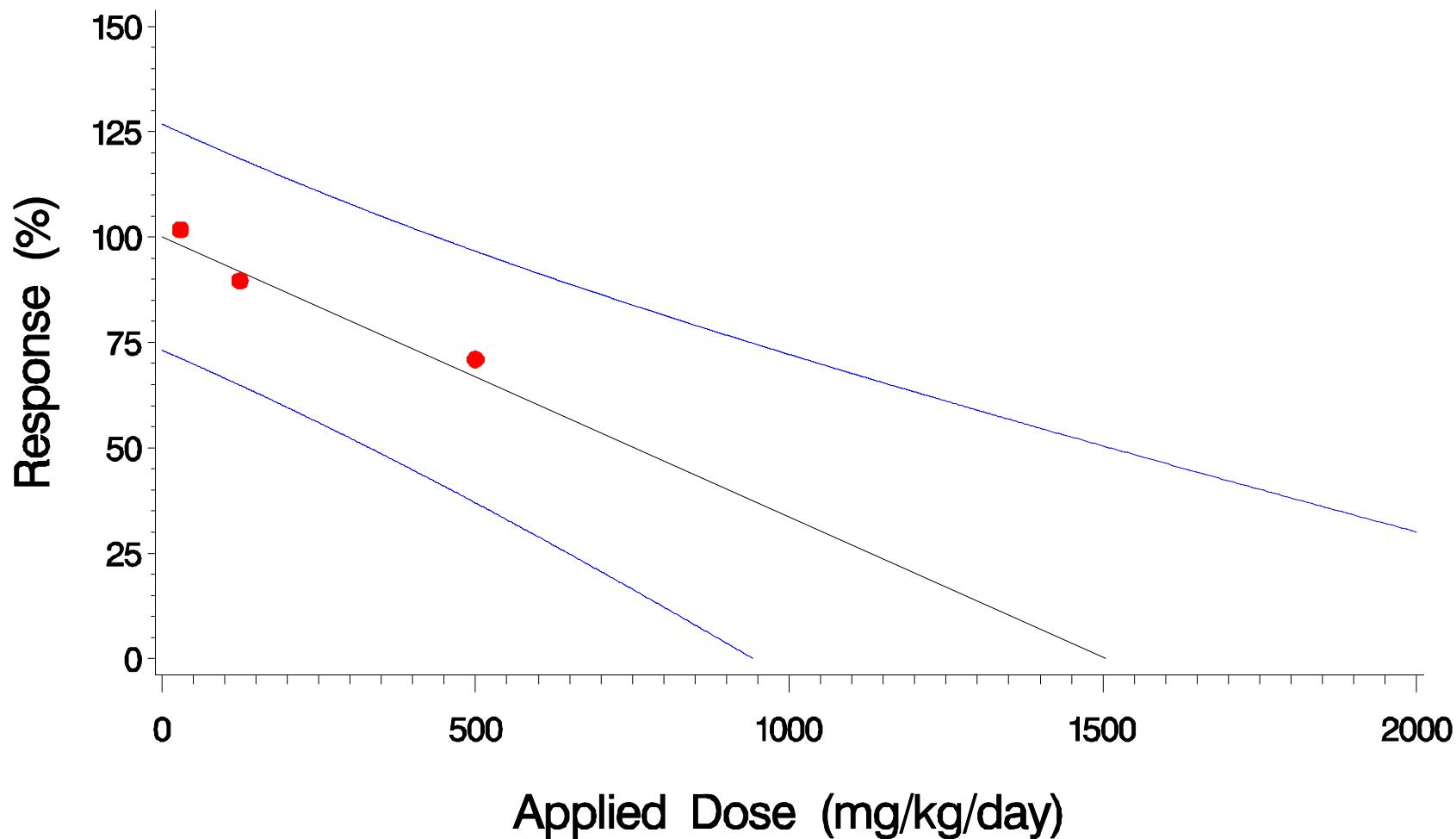
Crude Oil
Repeat Dose Thymus Weight
sample_no=89645 Sex=female



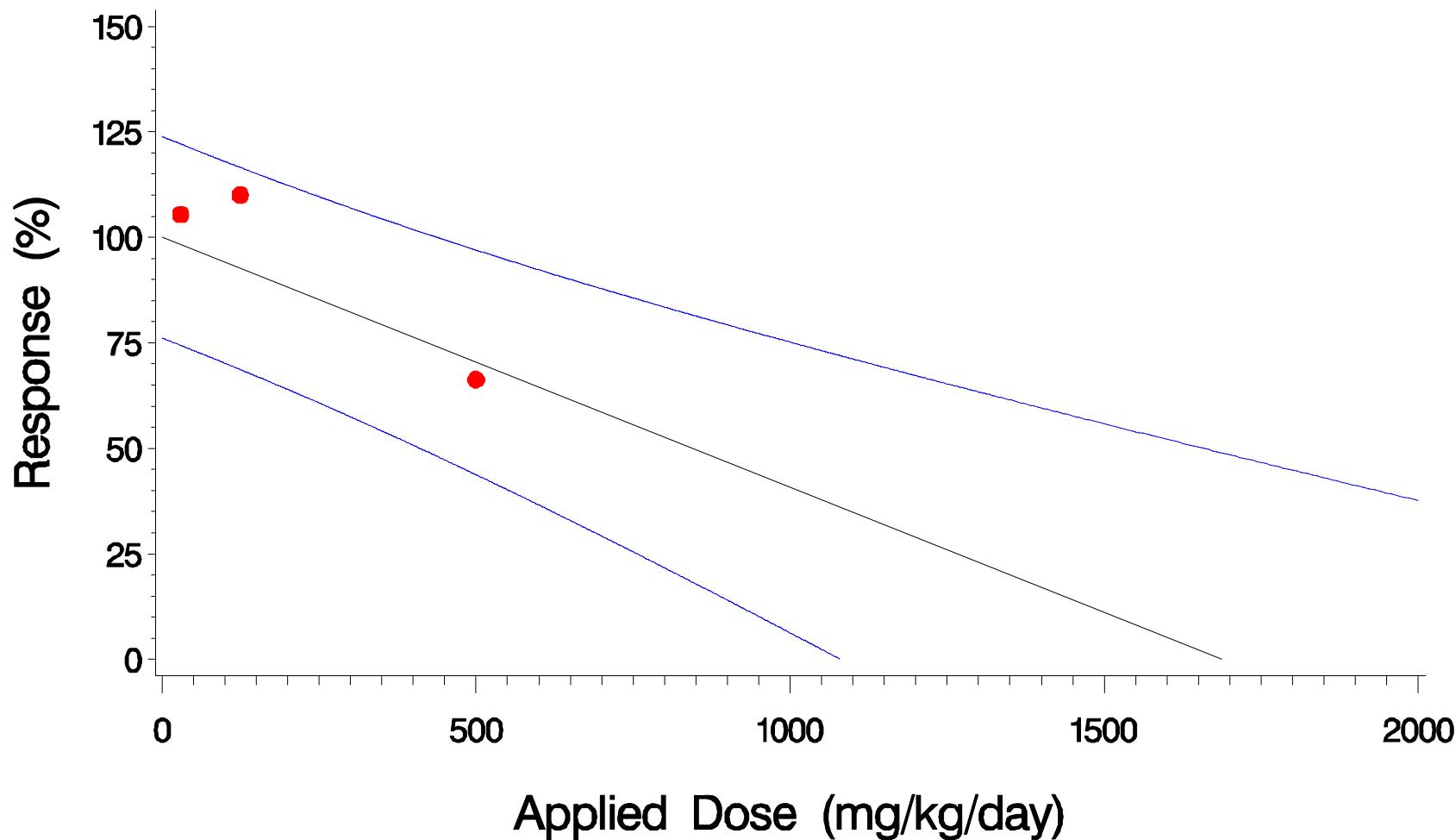
Crude Oil
Repeat Dose Thymus Weight
sample_no = 89645 Sex = male



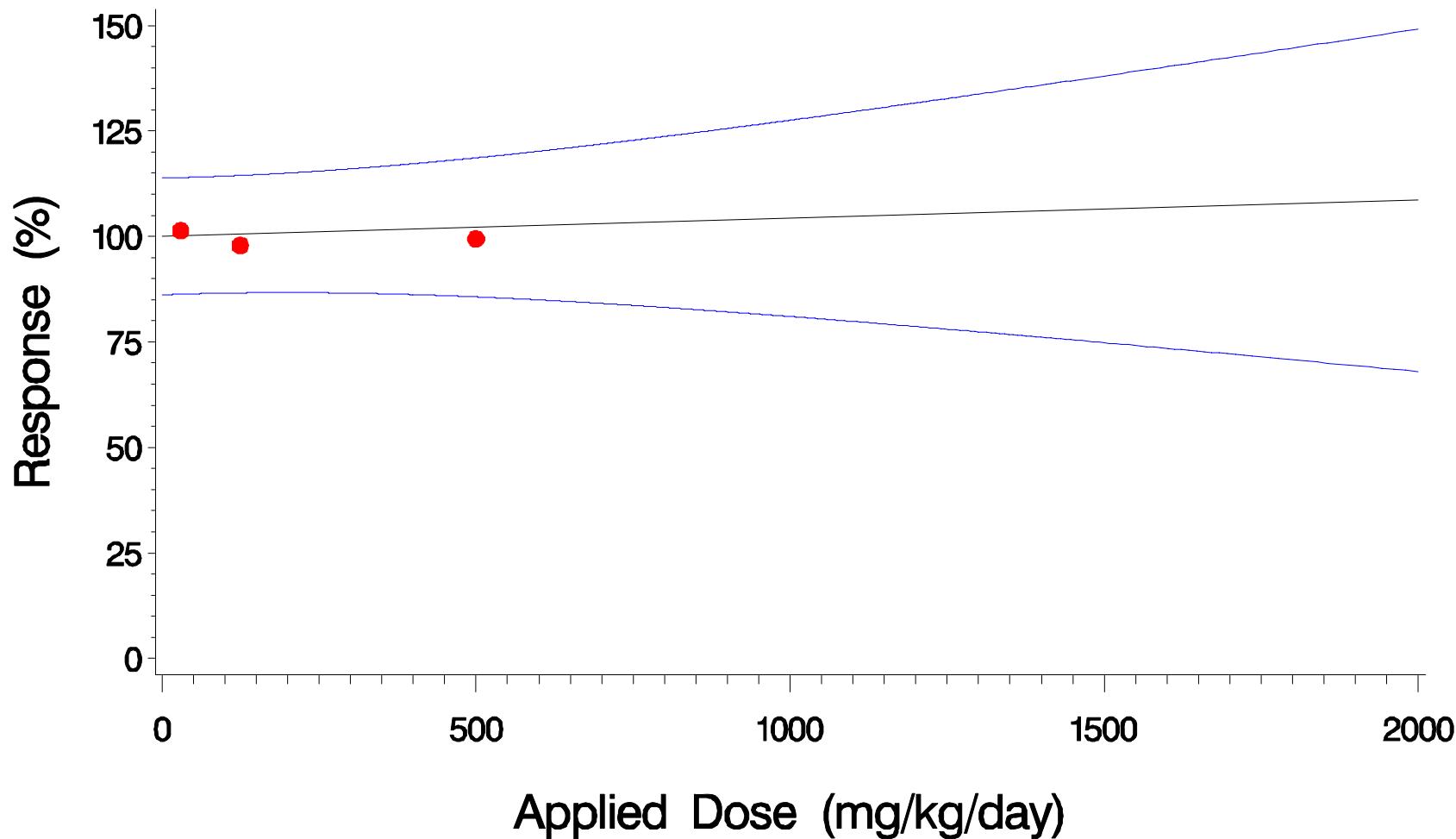
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Repeat Dose Thymus Weight
sample_no=89646 Sex=female



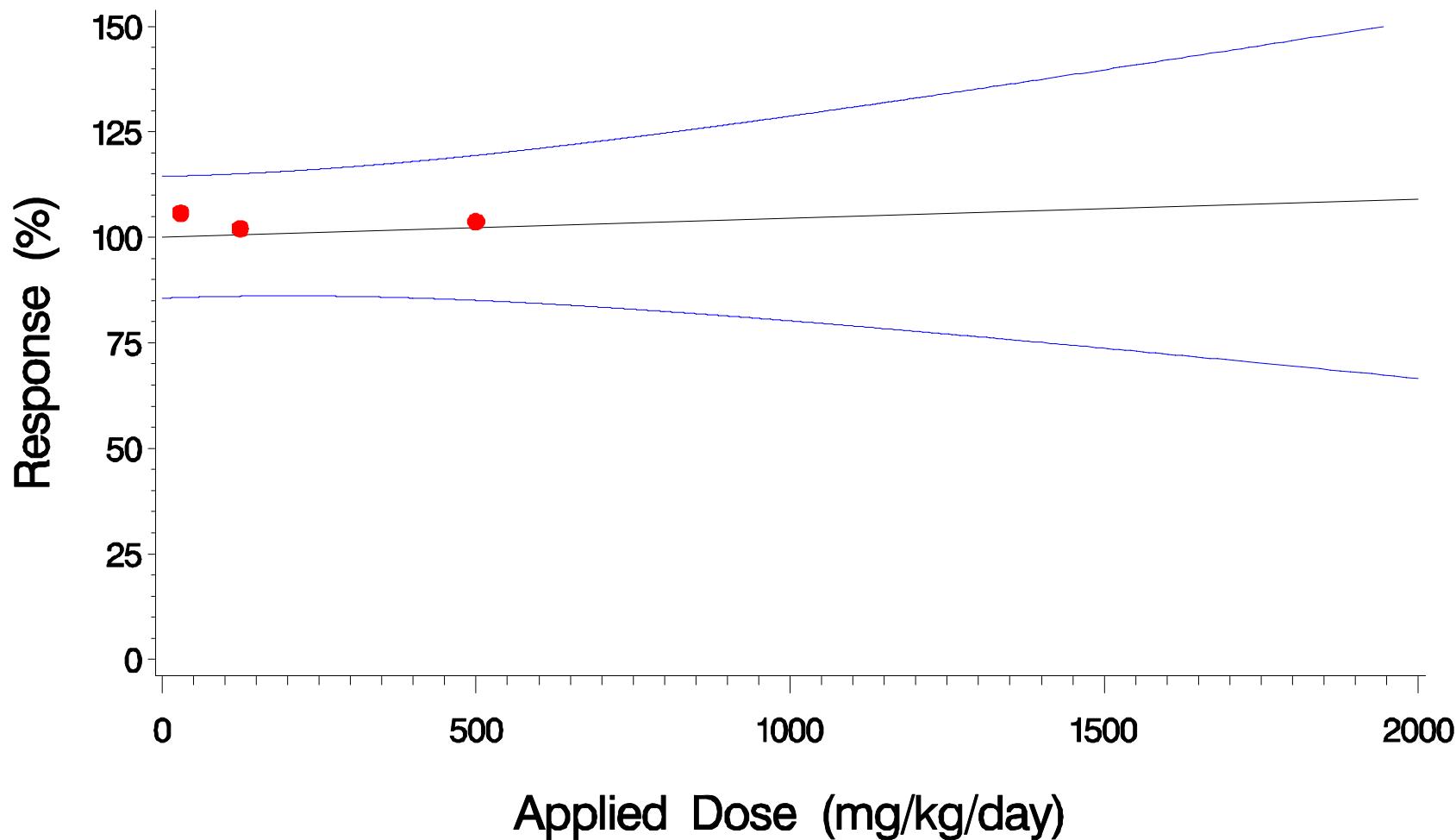
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sample_no = 89646 Sex = male



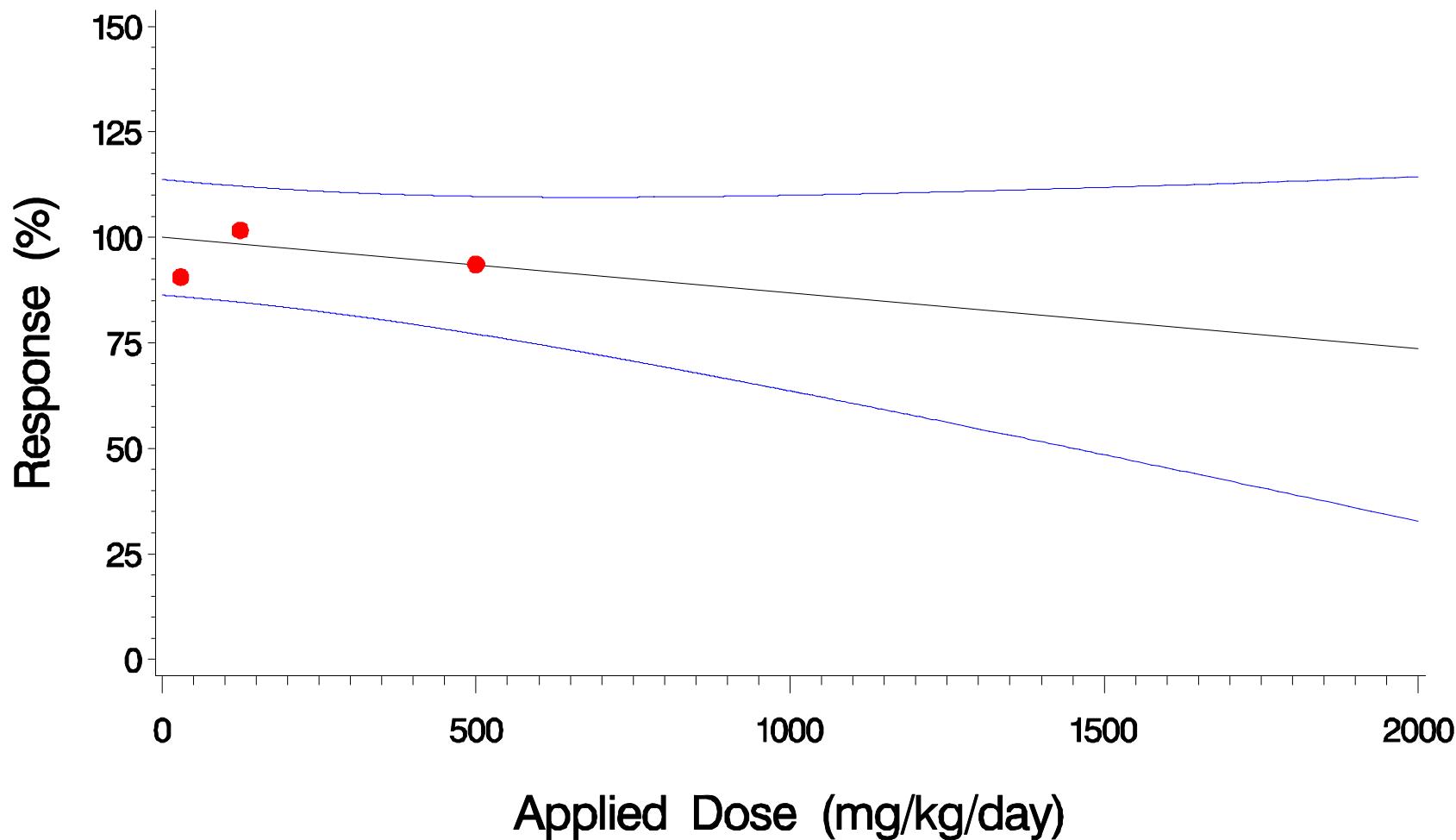
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Repeat Dose Platelet Count
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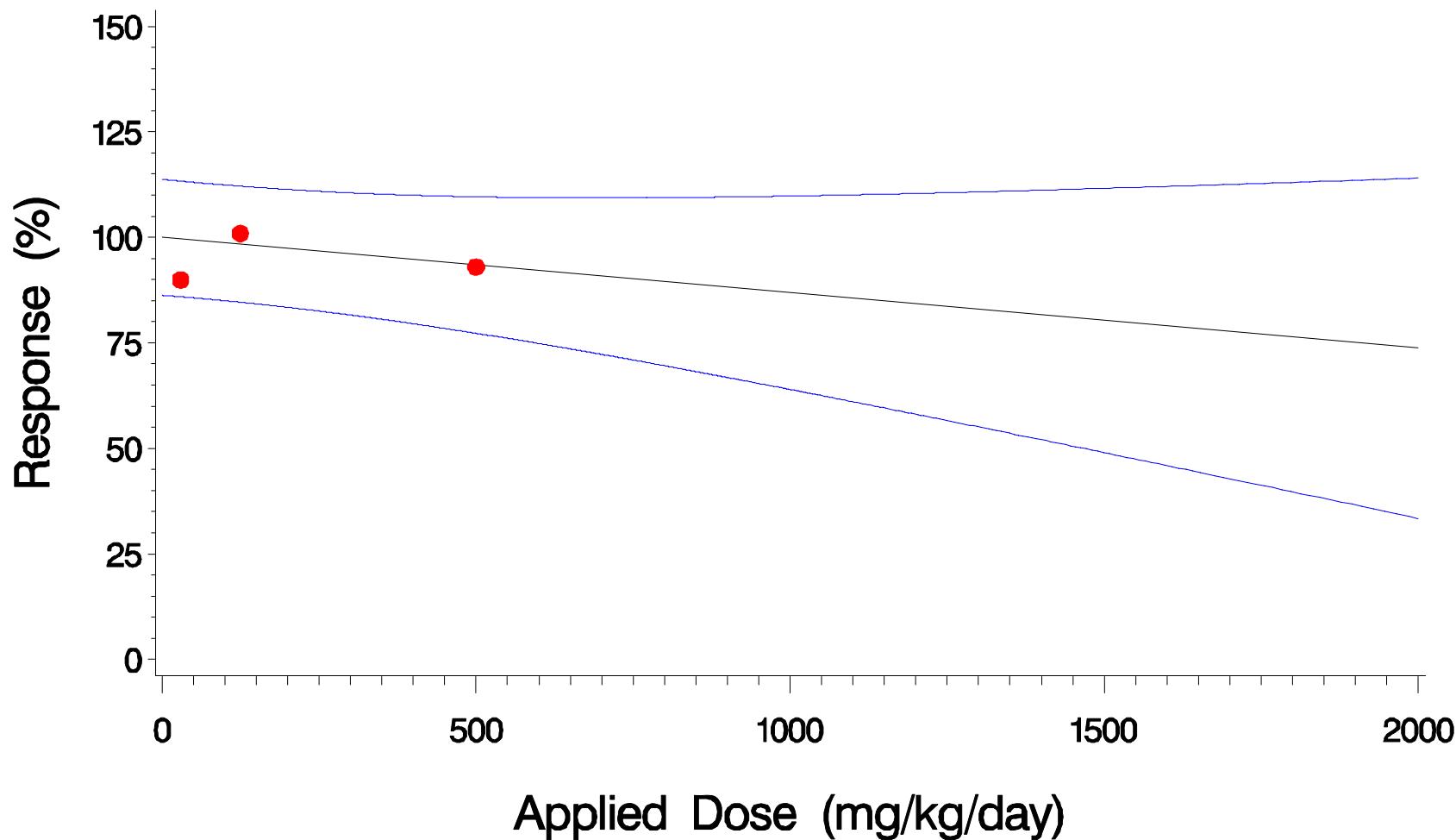
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Repeat Dose Platelet Count
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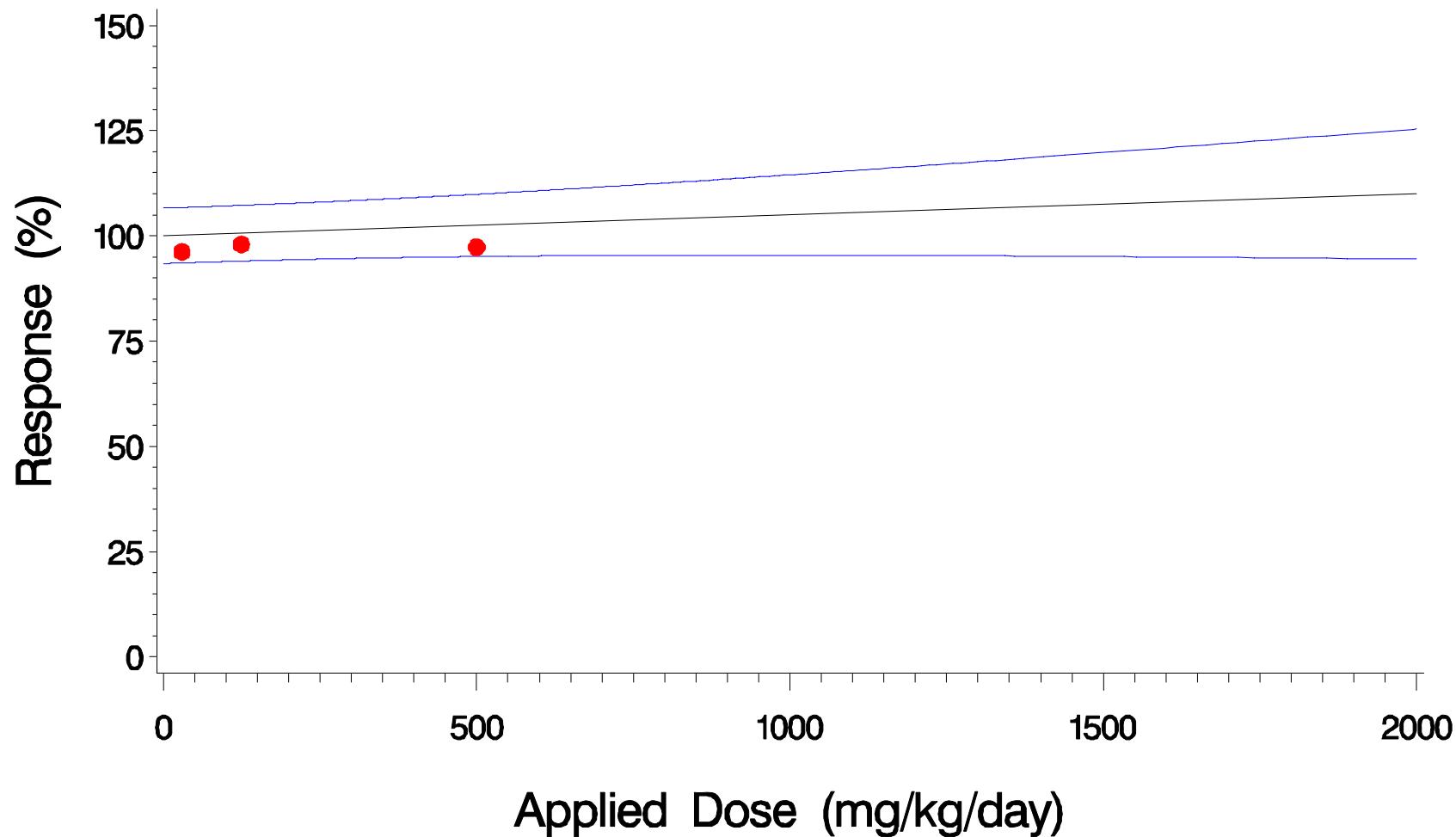
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Repeat Dose Platelet Count
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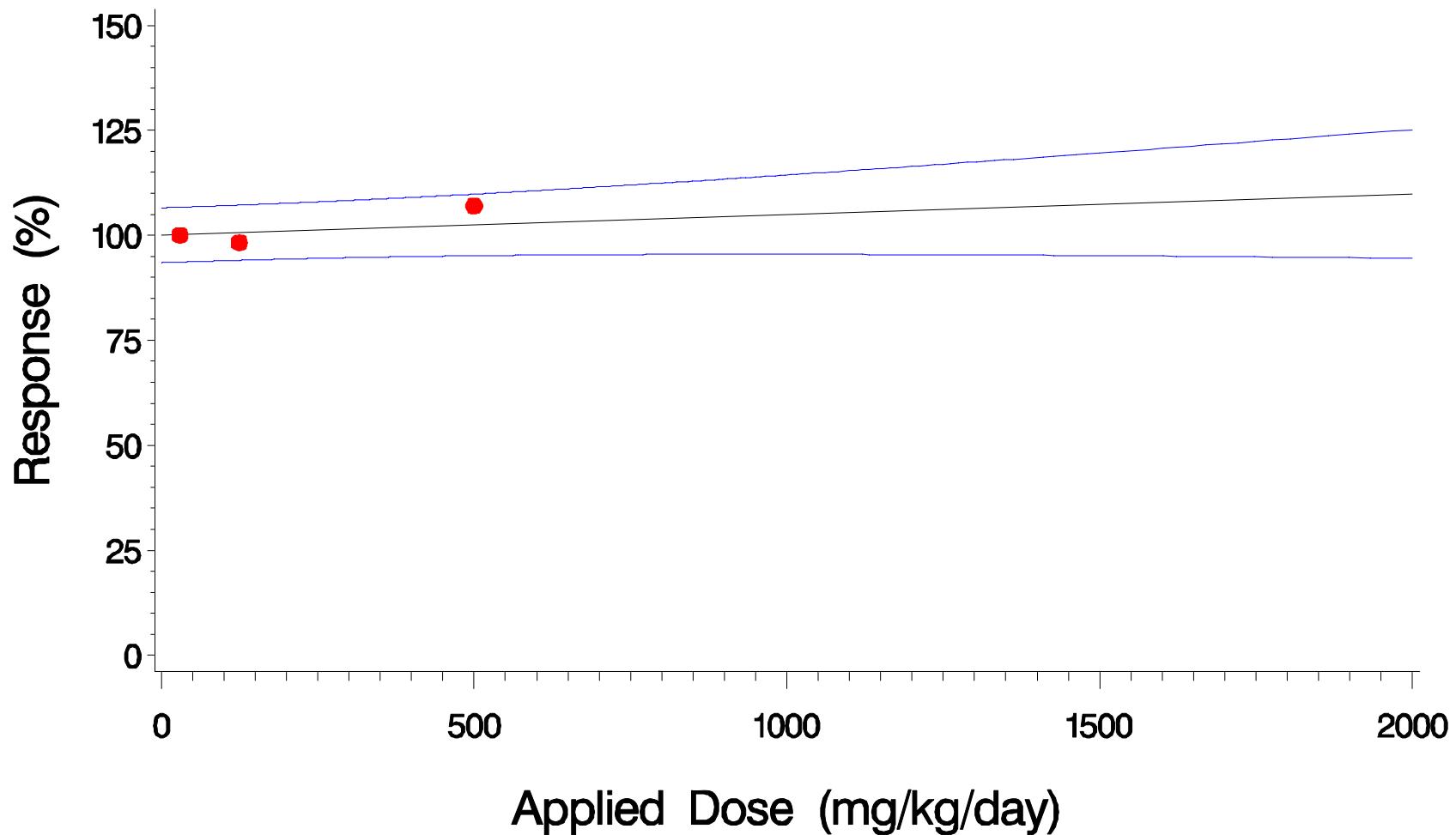
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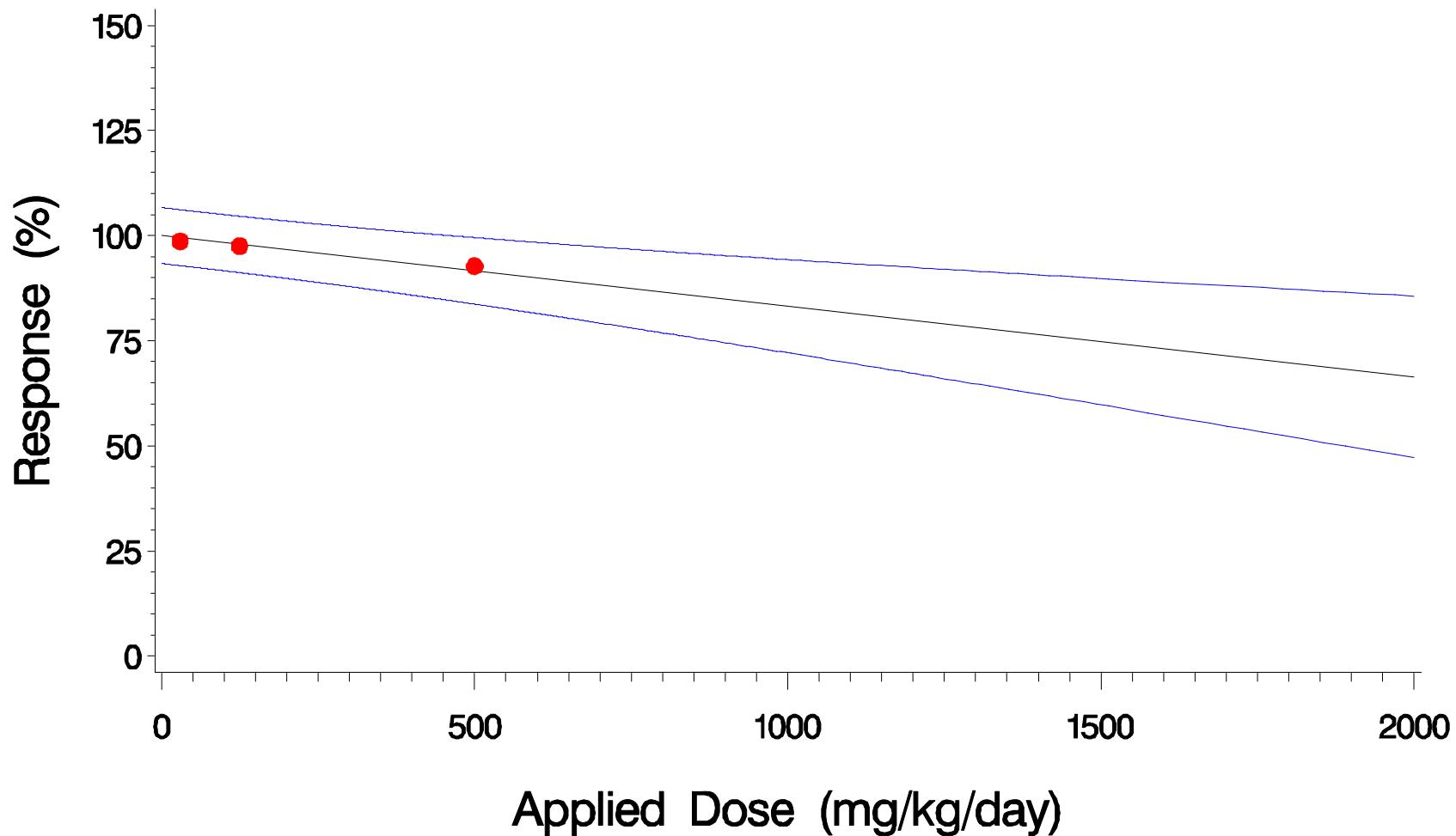
Crude Oil
Repeat Dose Hemoglobin Concentration
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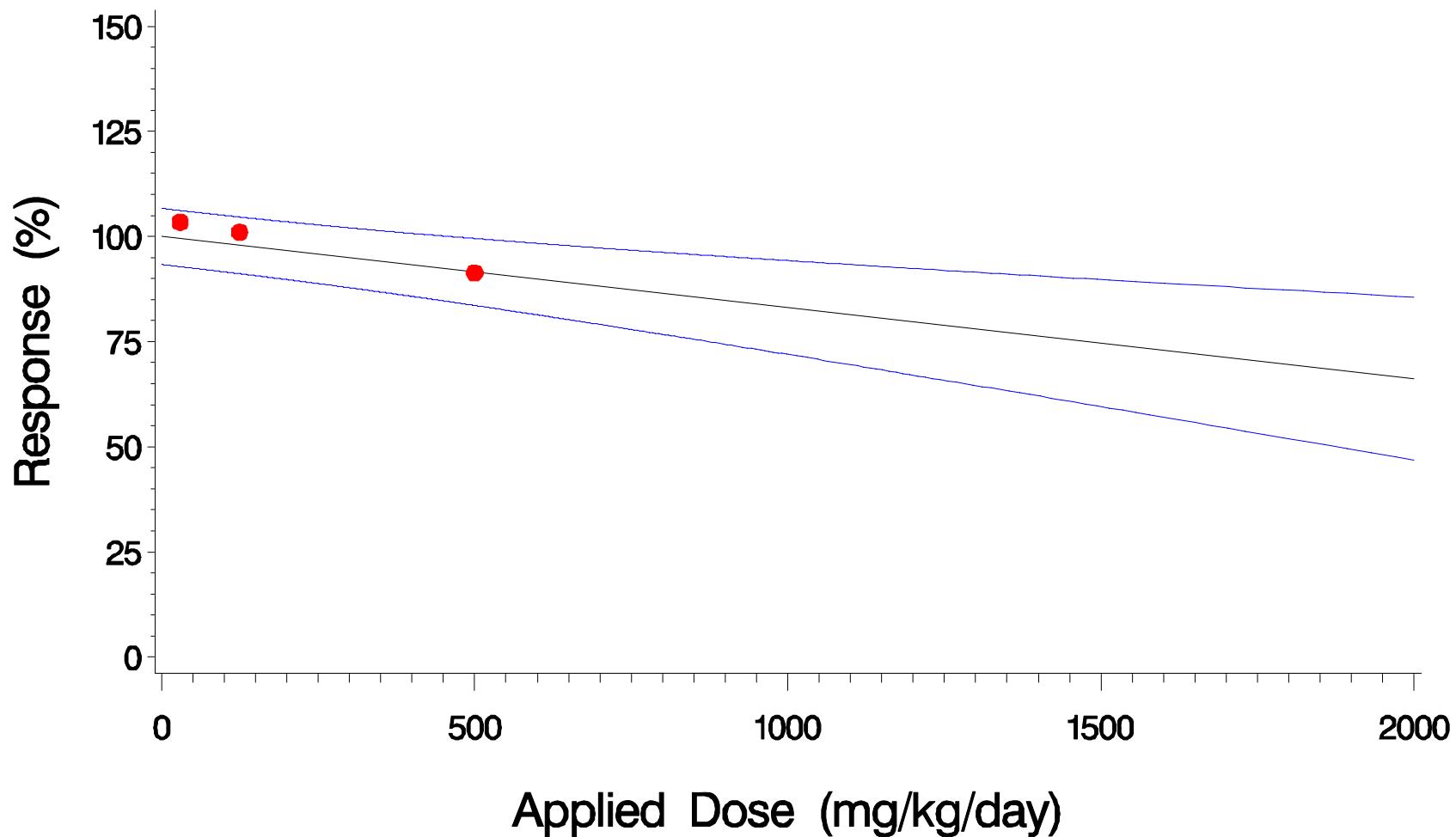
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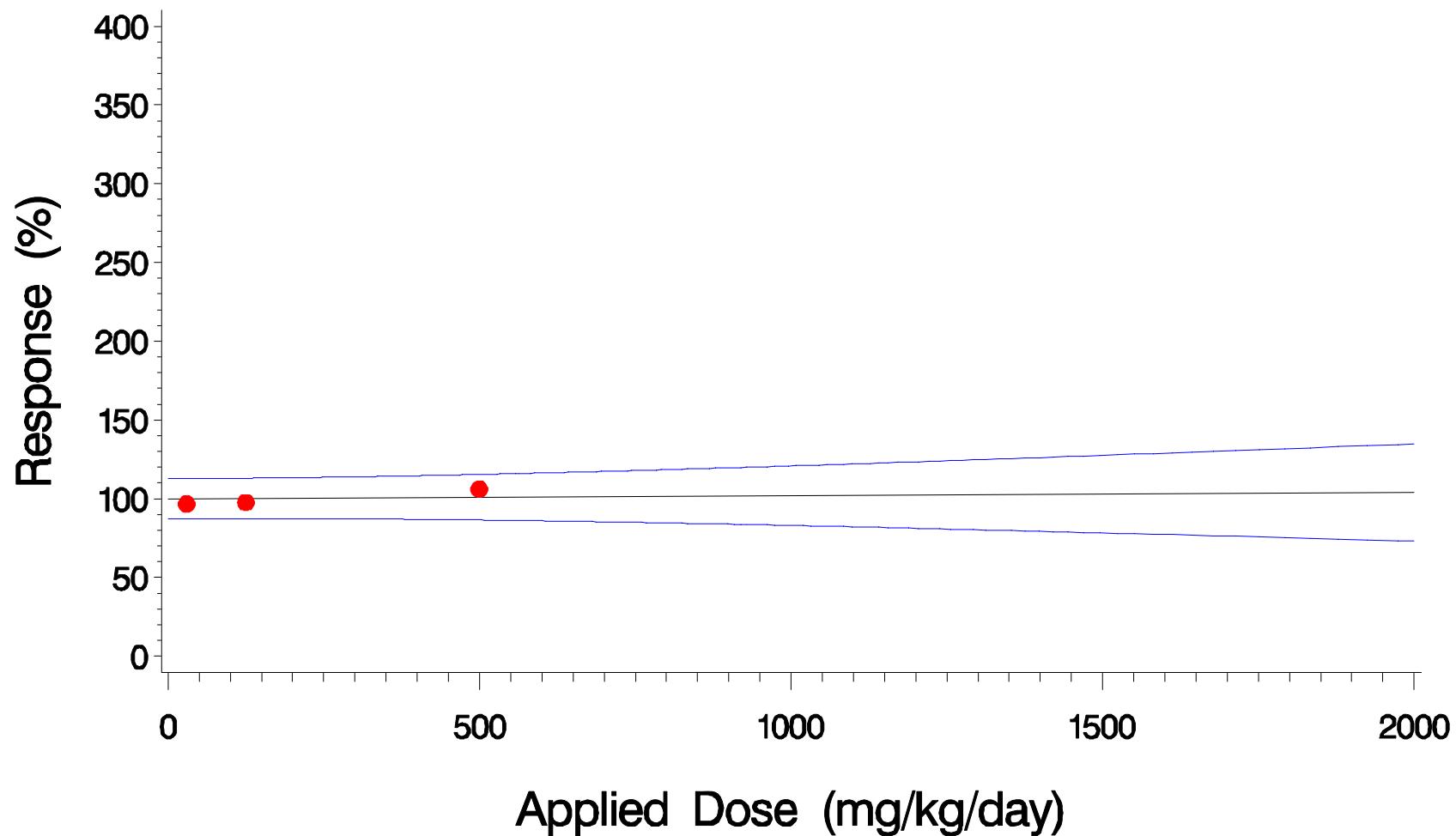
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Repeat Dose Hemoglobin Concentration
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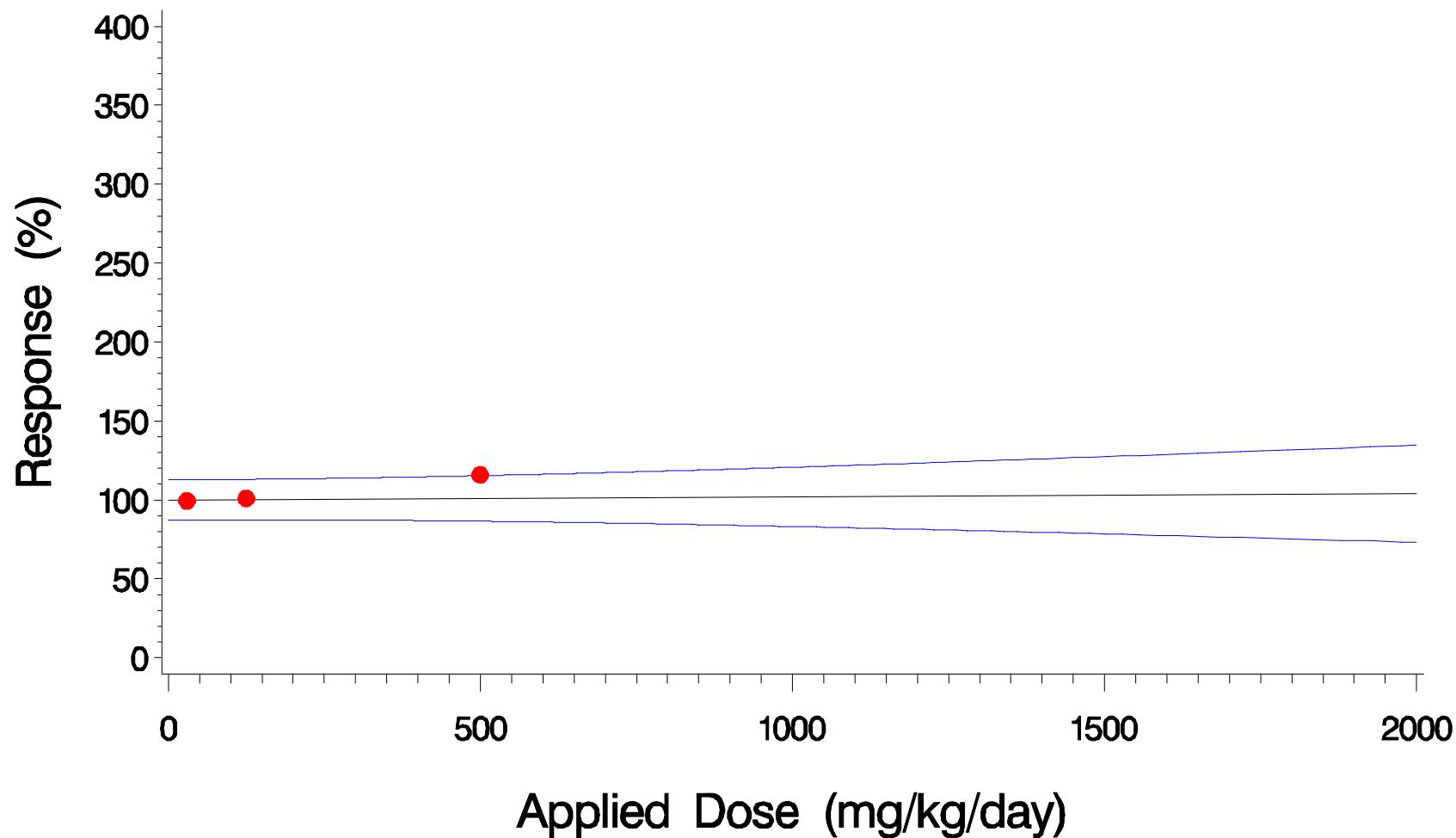
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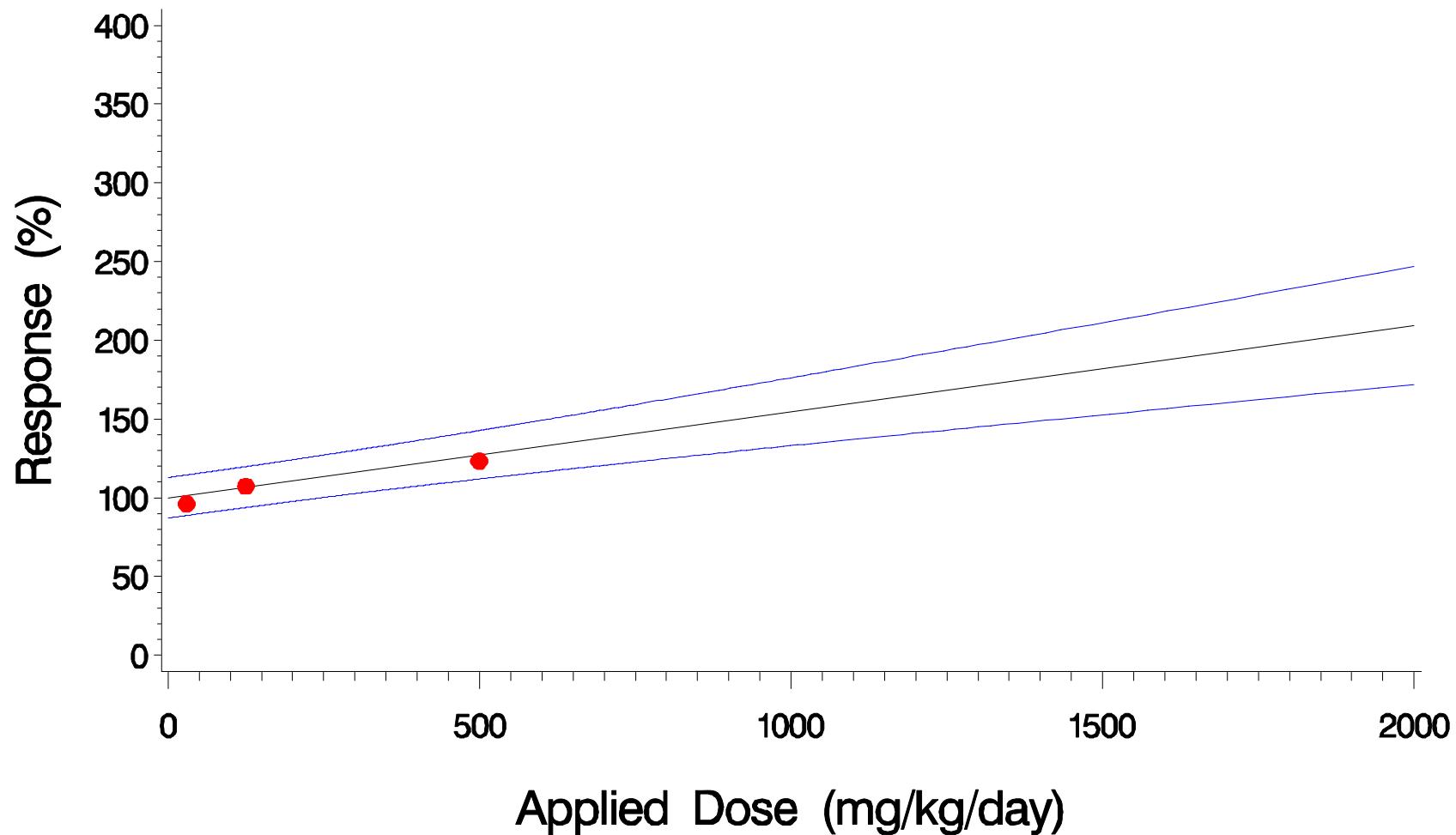
Crude Oil
Repeat Dose Liver to BW Ratio
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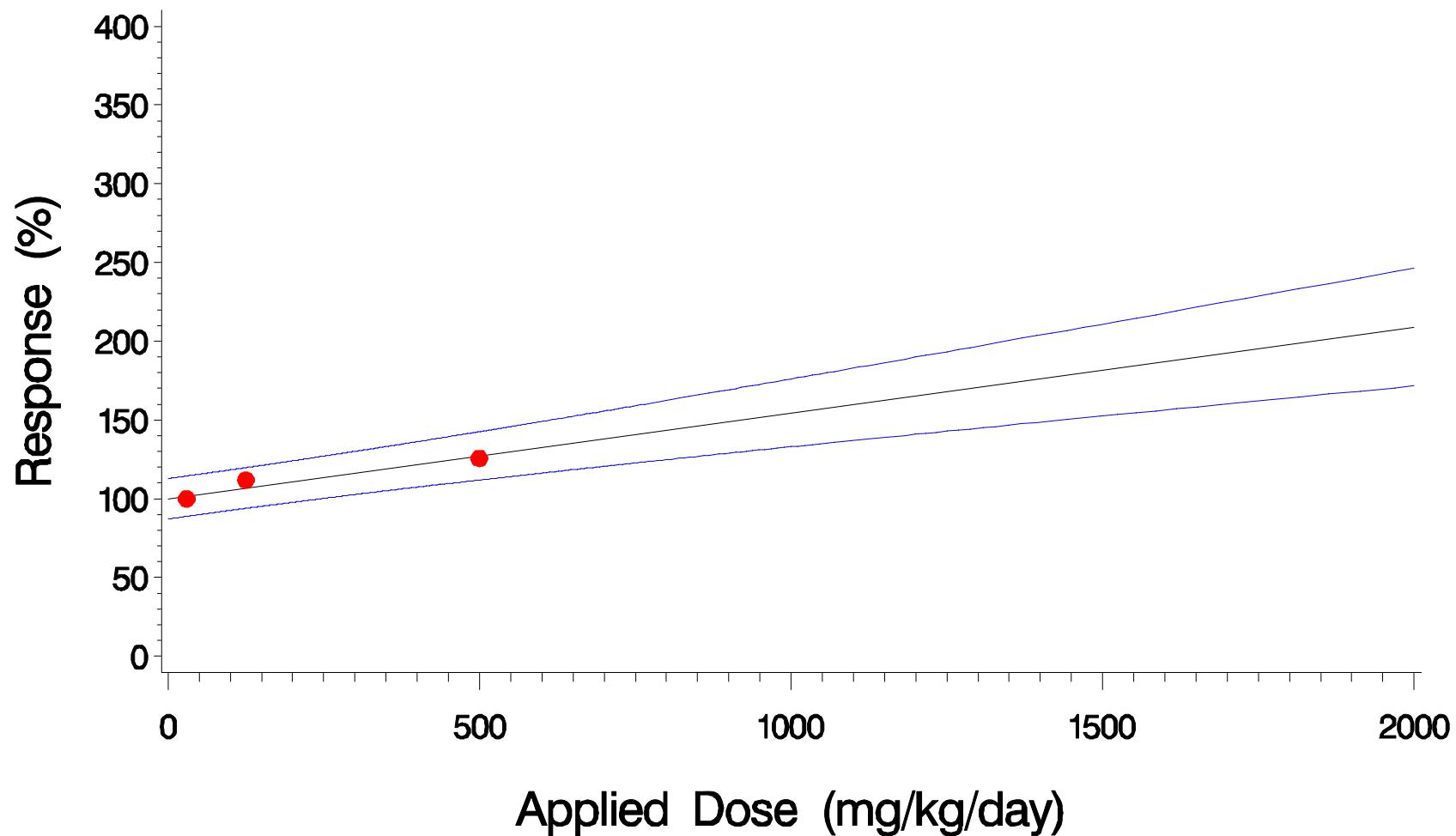
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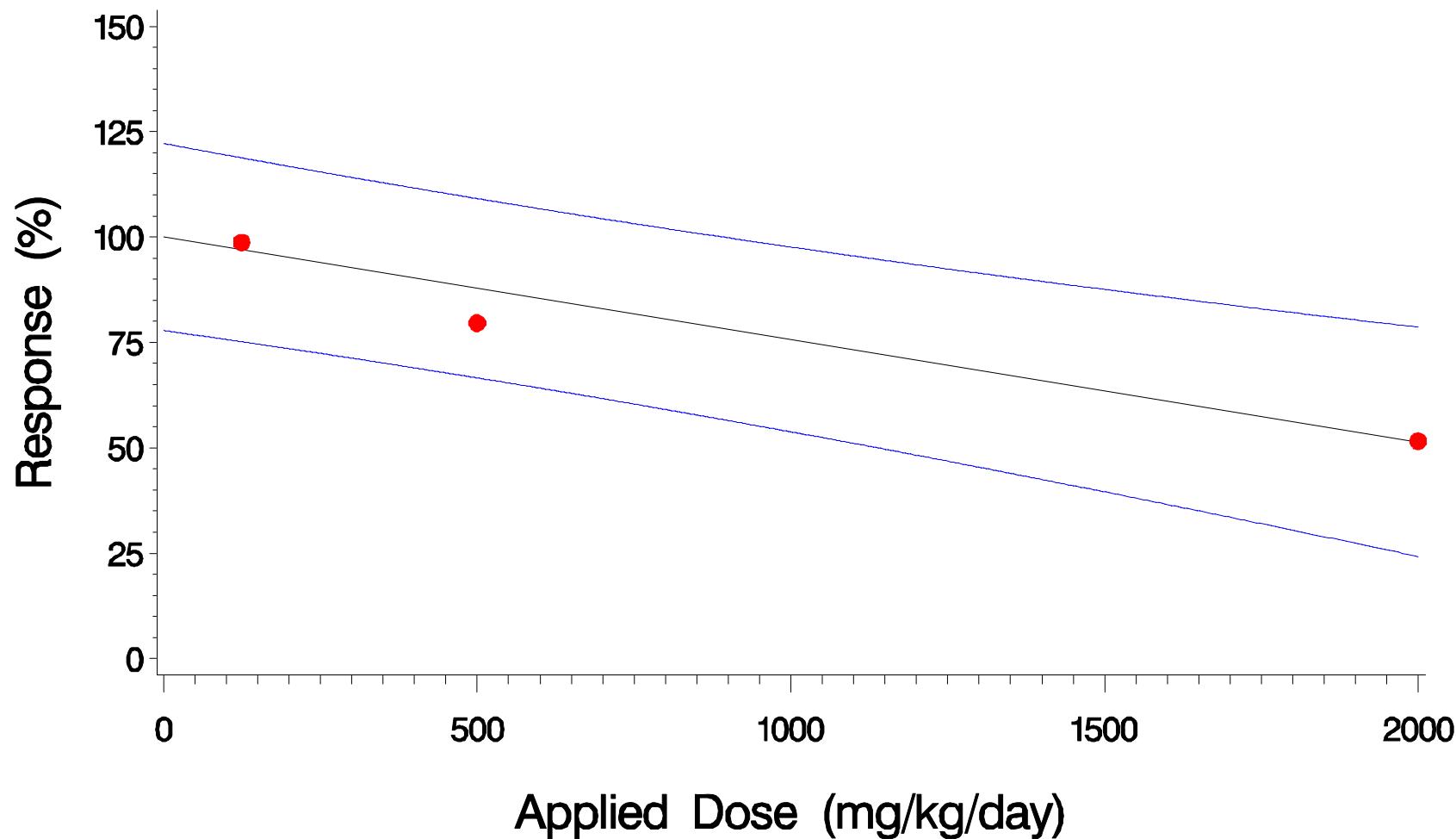
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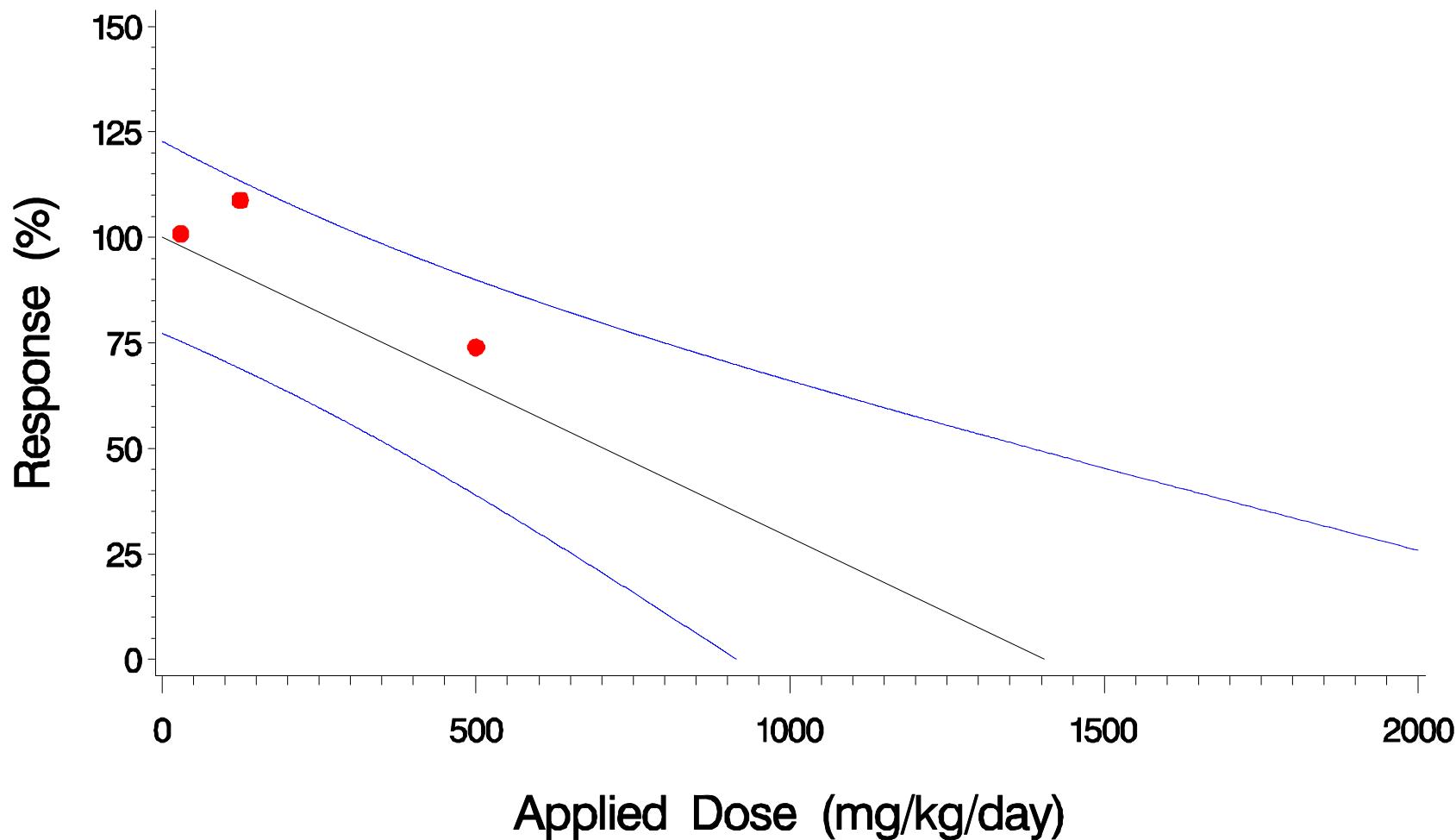
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Repeat Dose Liver to BW Ratio
sample_no = 89646 Sex = male



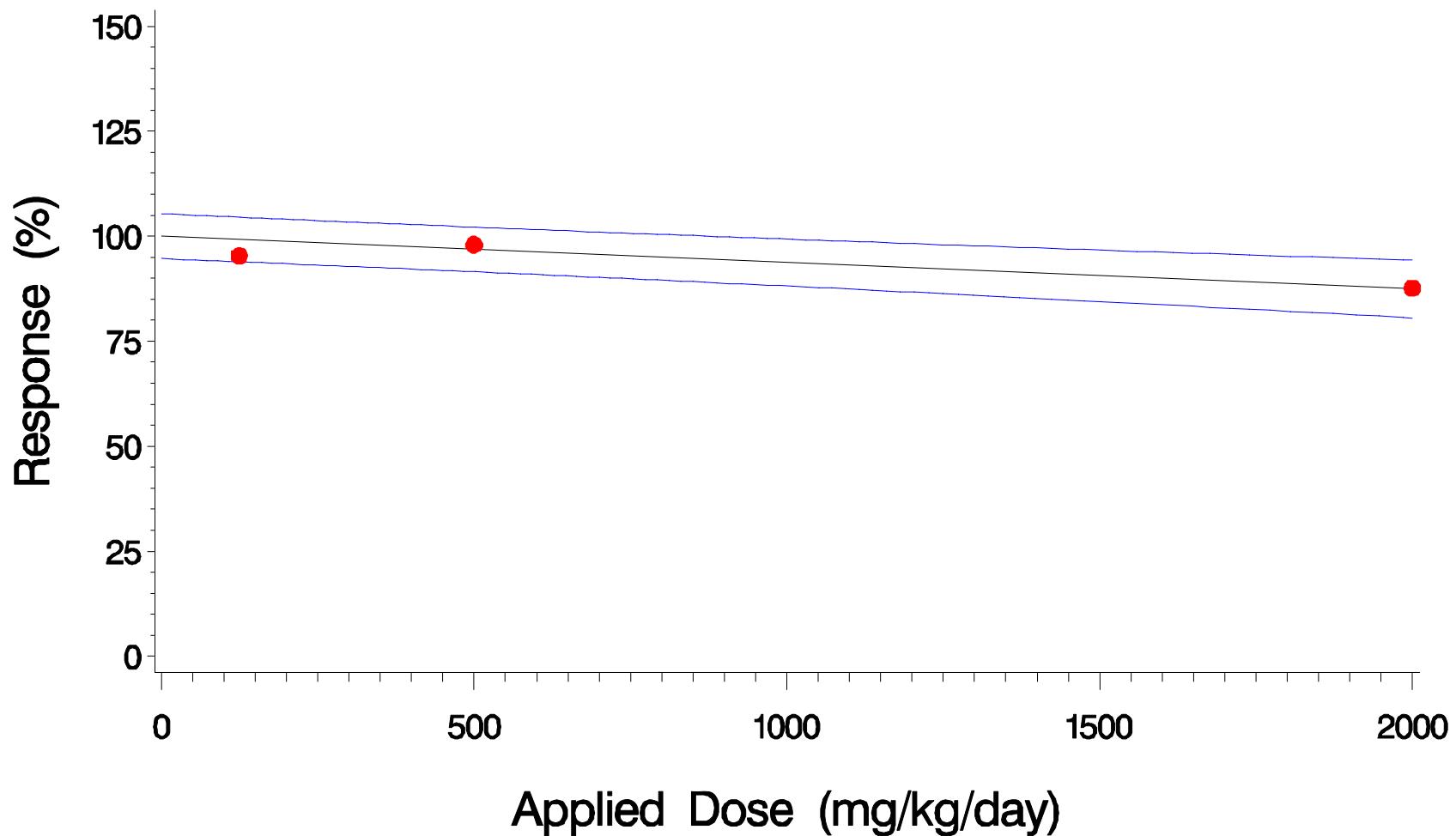
Crude Oil
Pre-natal Thymus Weight
sample_no = 89645



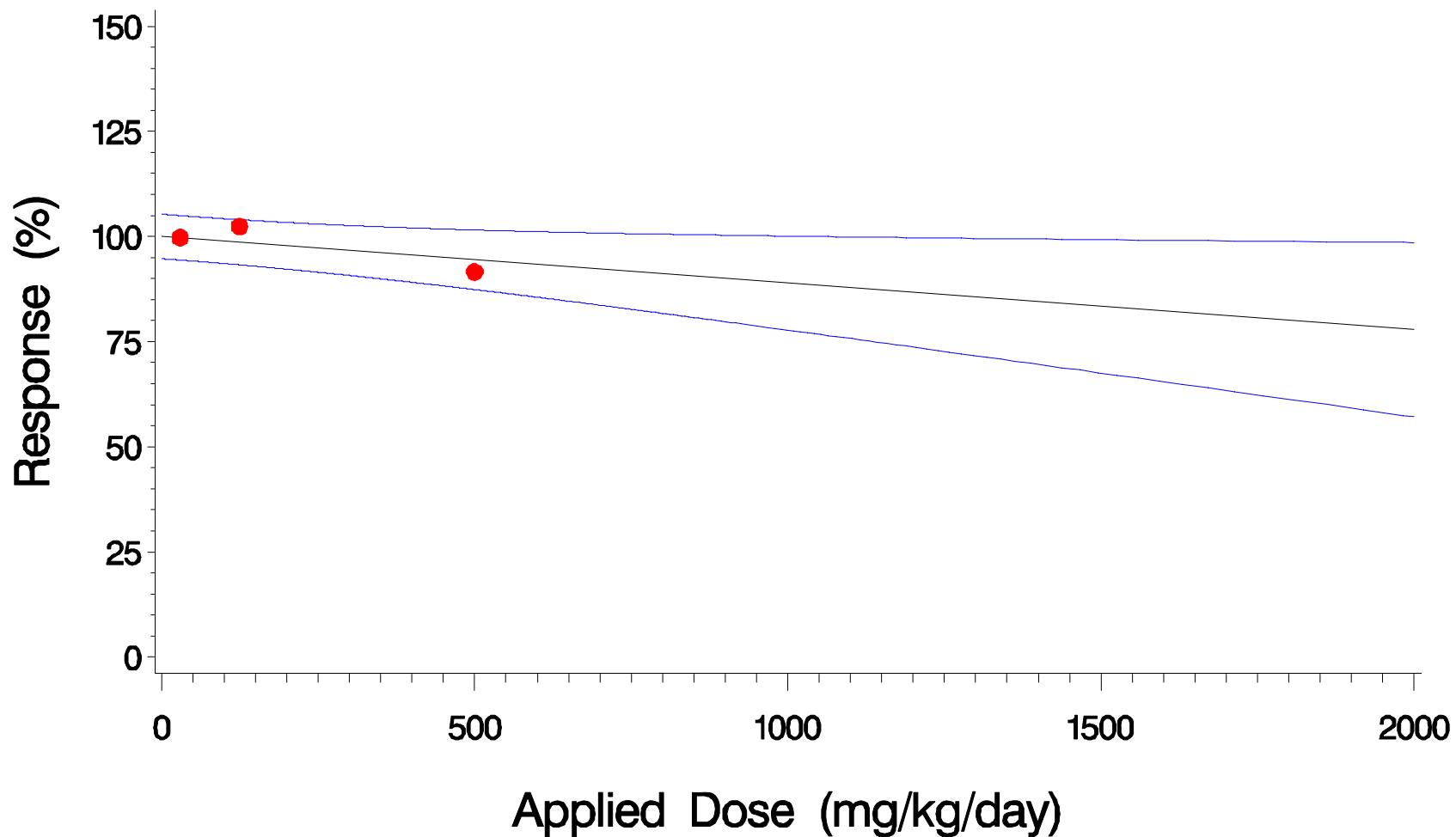
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Pre-natal Thymus Weight
sample_no = 89646



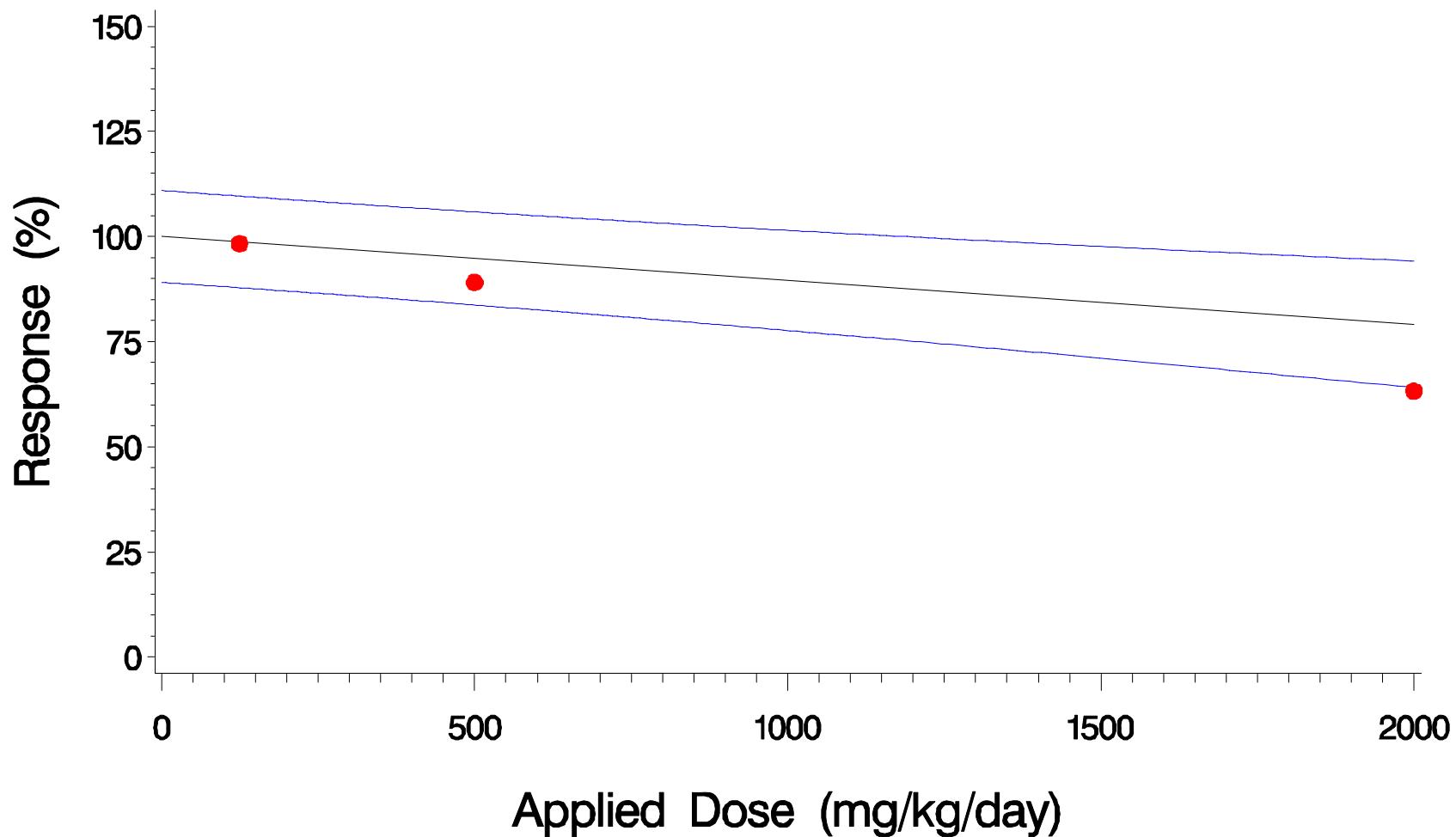
Crude Oil
Pre-natal Fetal Weight
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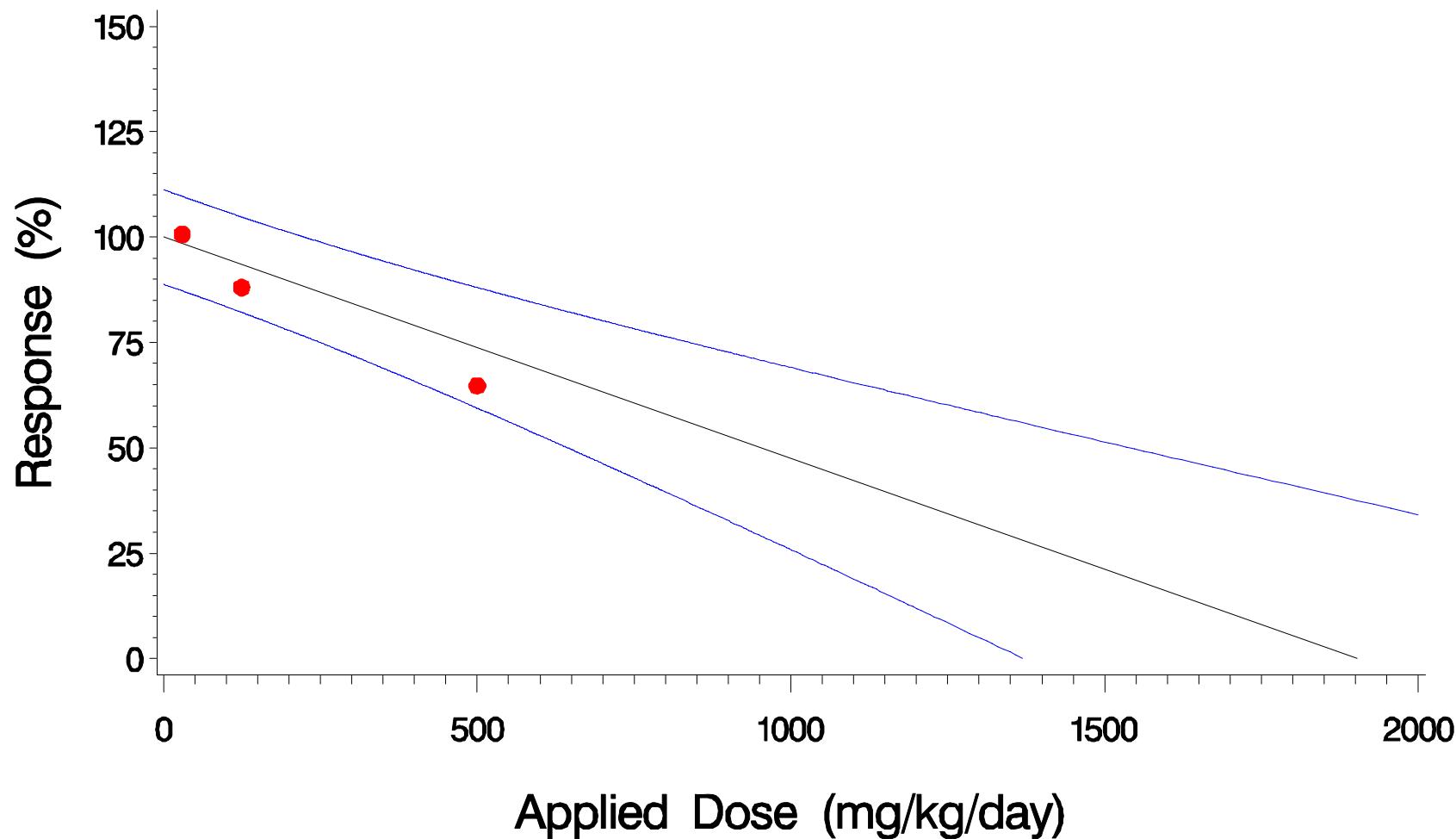
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Pre-natal Fetal Weight
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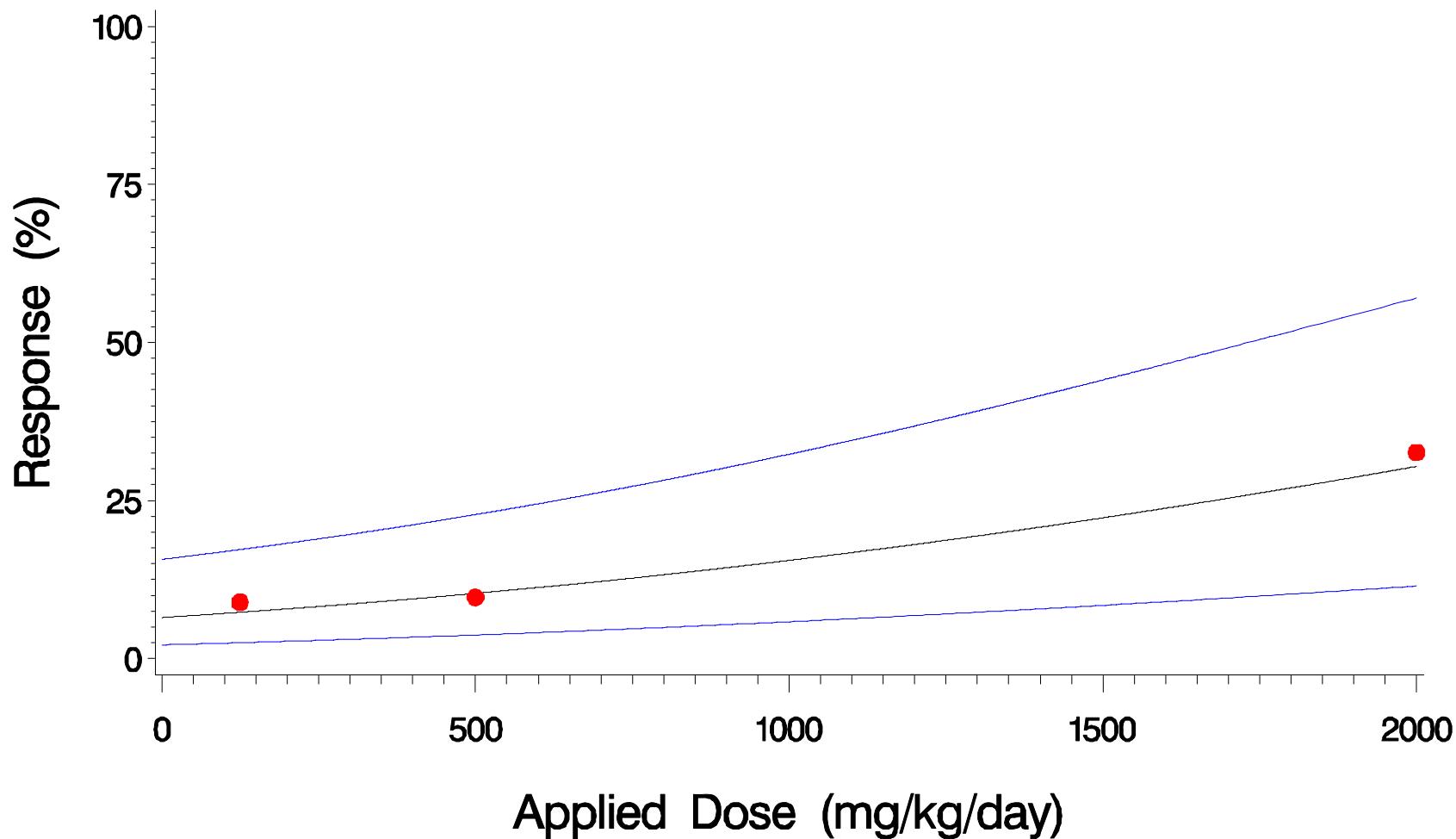
Crude Oil
Pre-natal Live Fetuses
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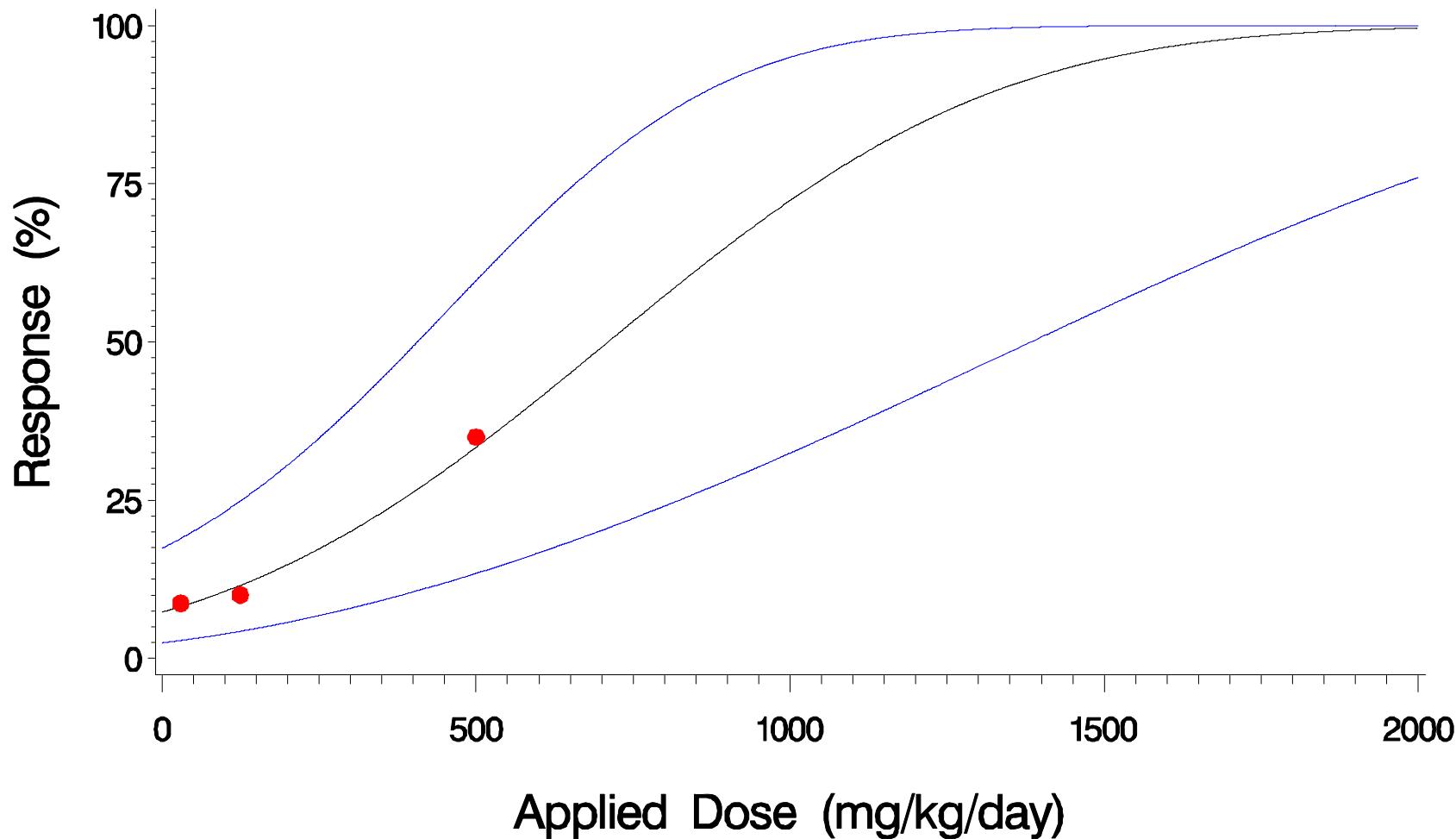
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Pre-natal Live Fetuses
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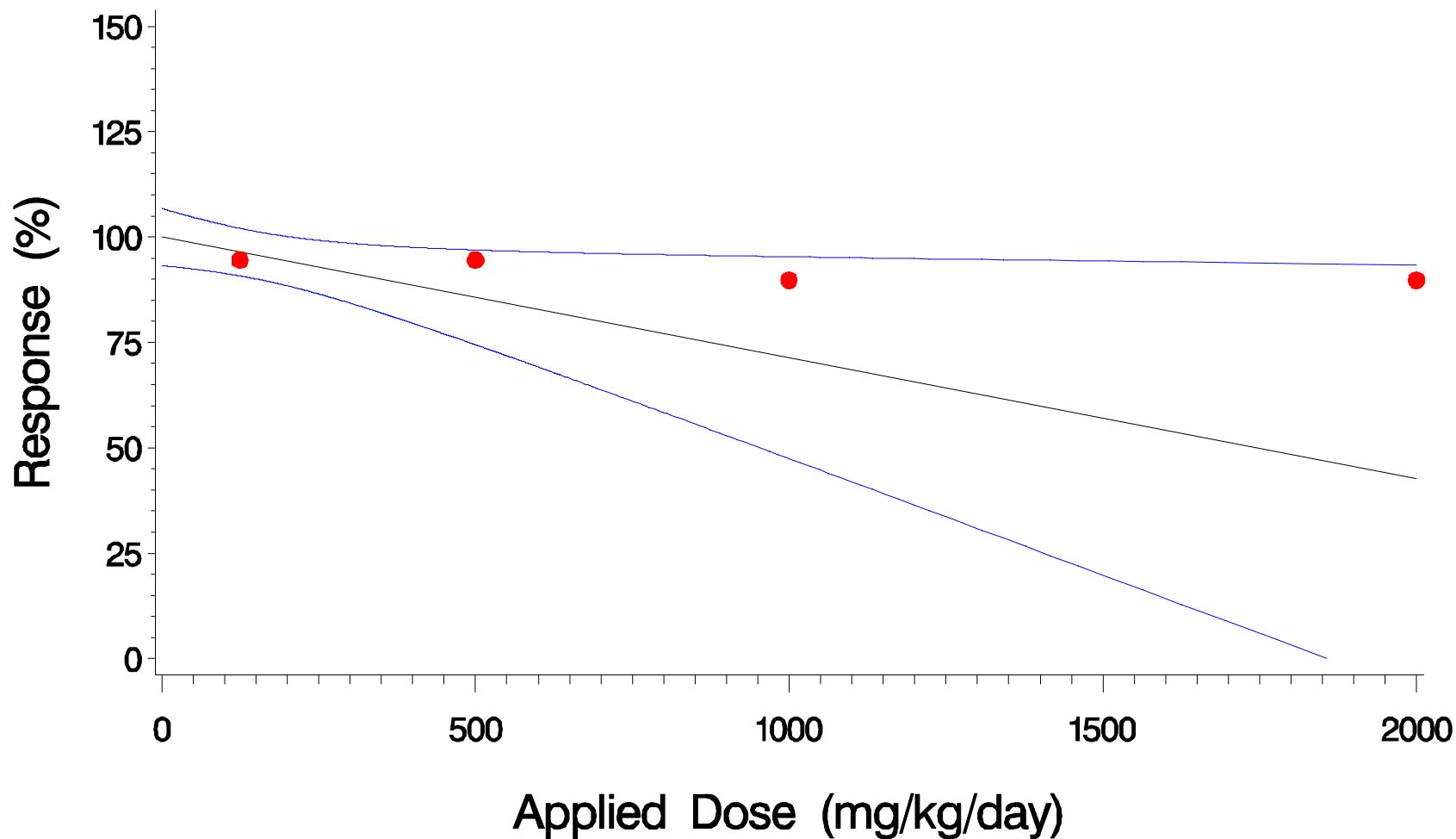
Crude Oil
Pre-natal Percent Resorptions
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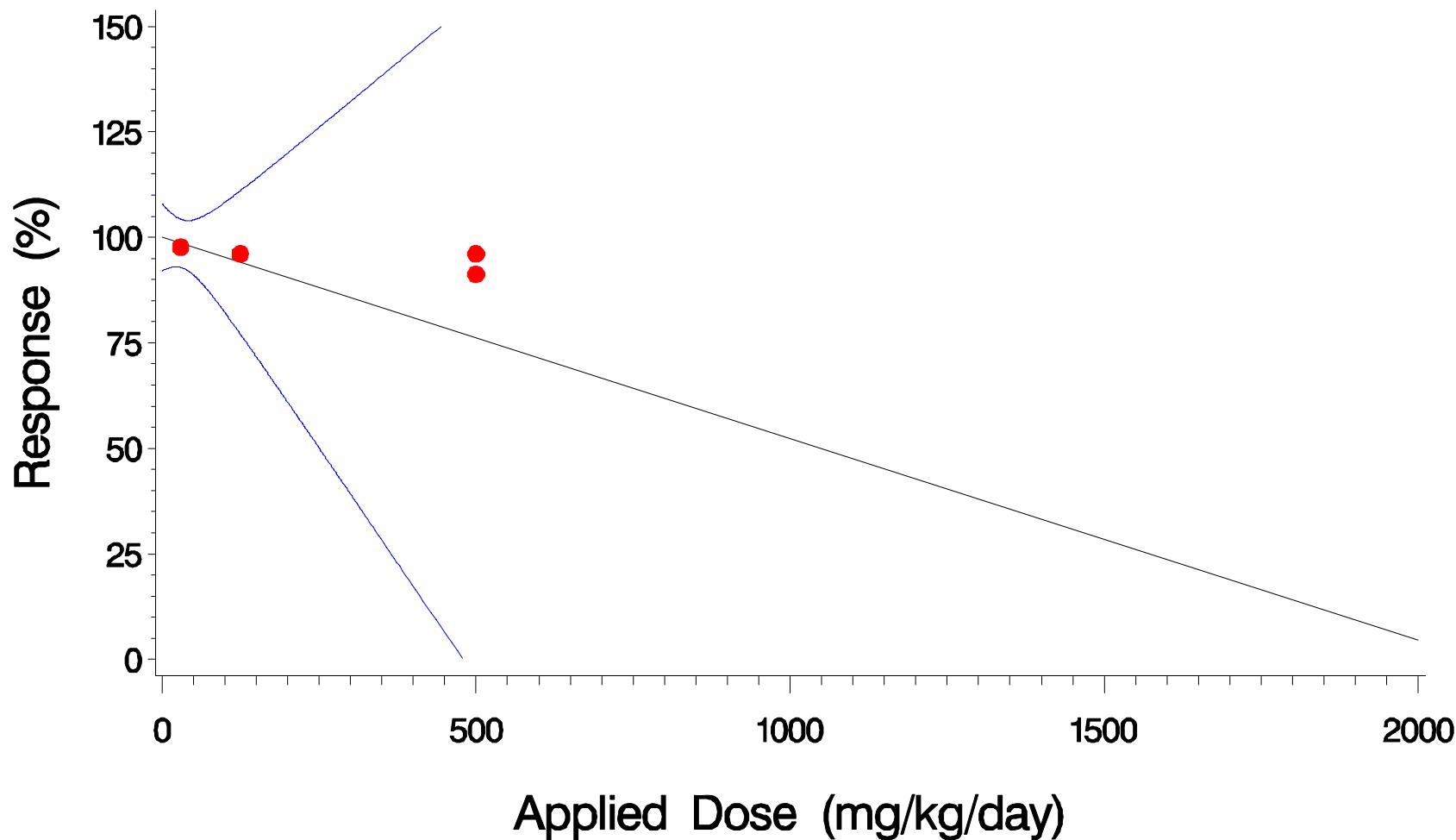
Crude Oil
Pre-natal Percent Resorptions
sample_no = 89646



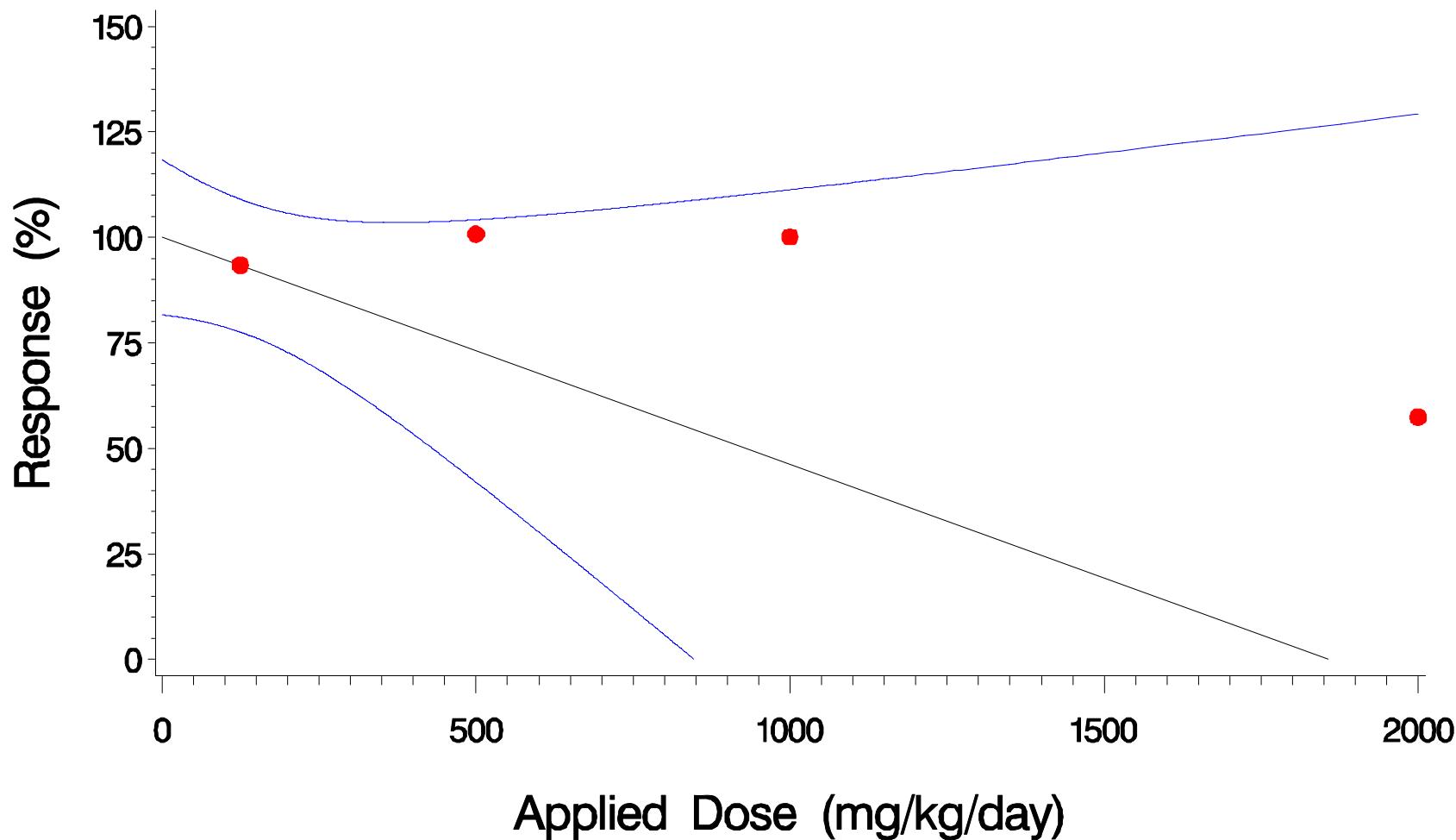
Crude Oil
Post-natal Pup Weight
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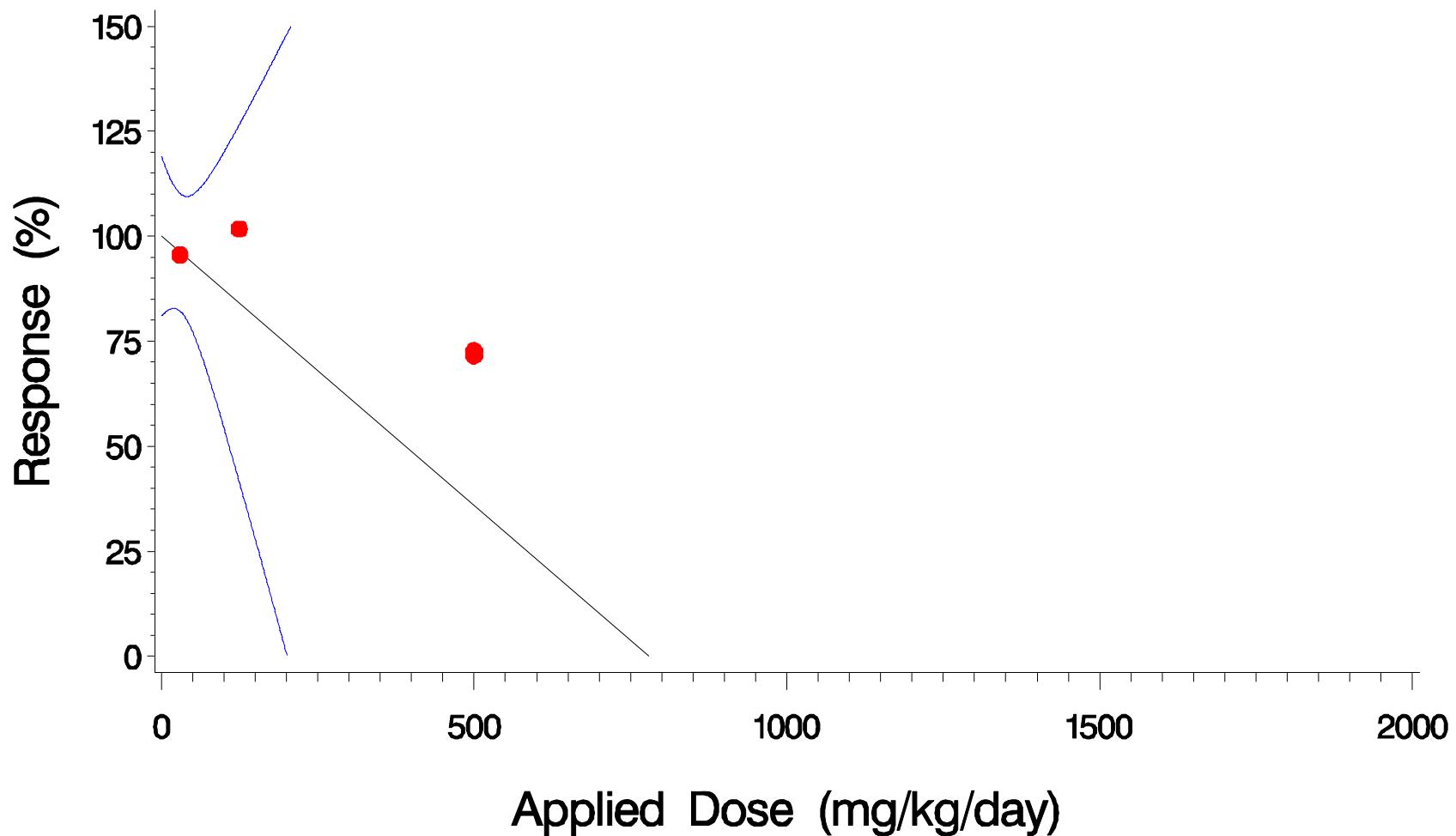
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Post-natal Pup Weight
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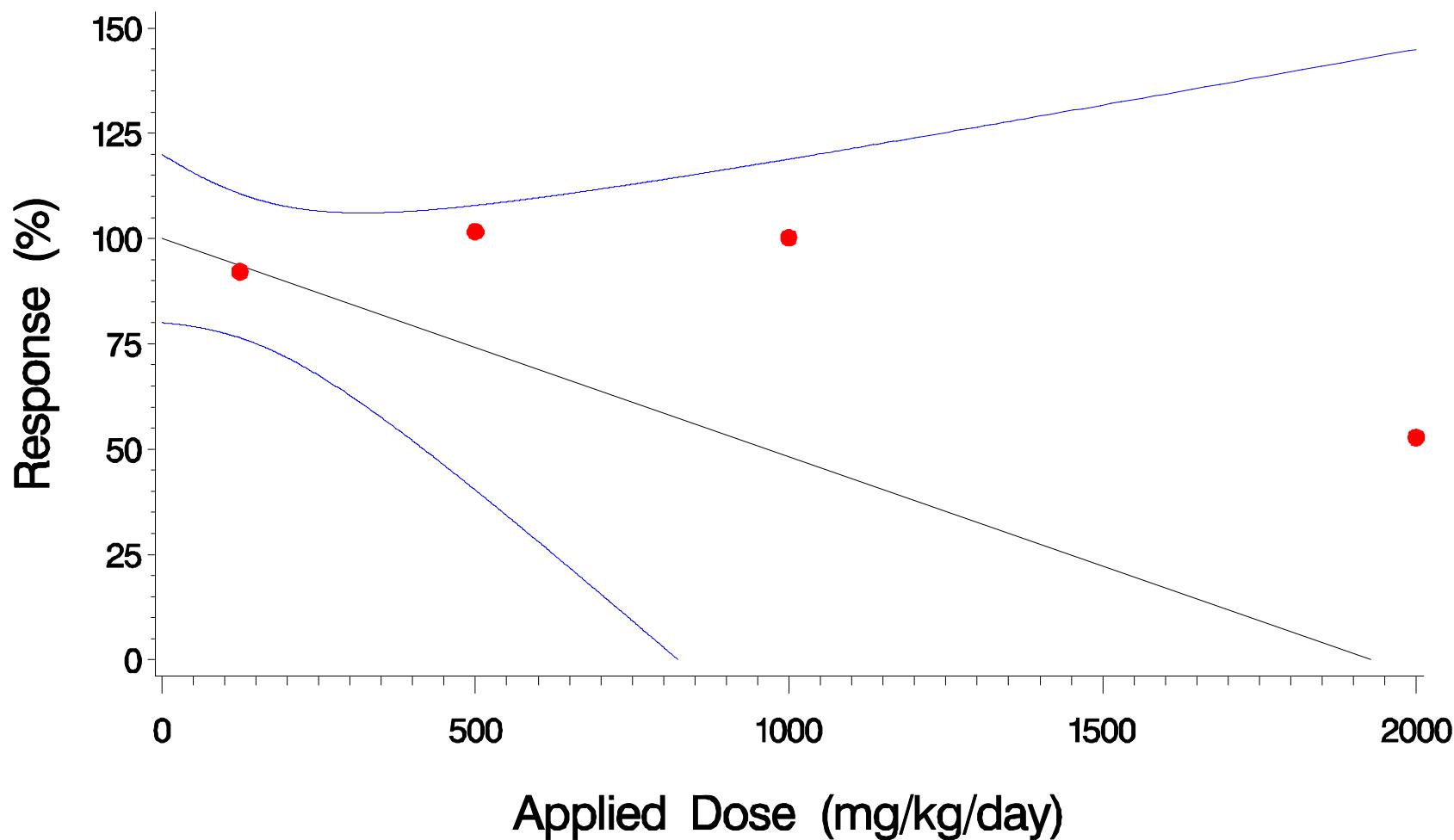
Crude Oil
Post-natal Total Litter Size
sample_no = 89645



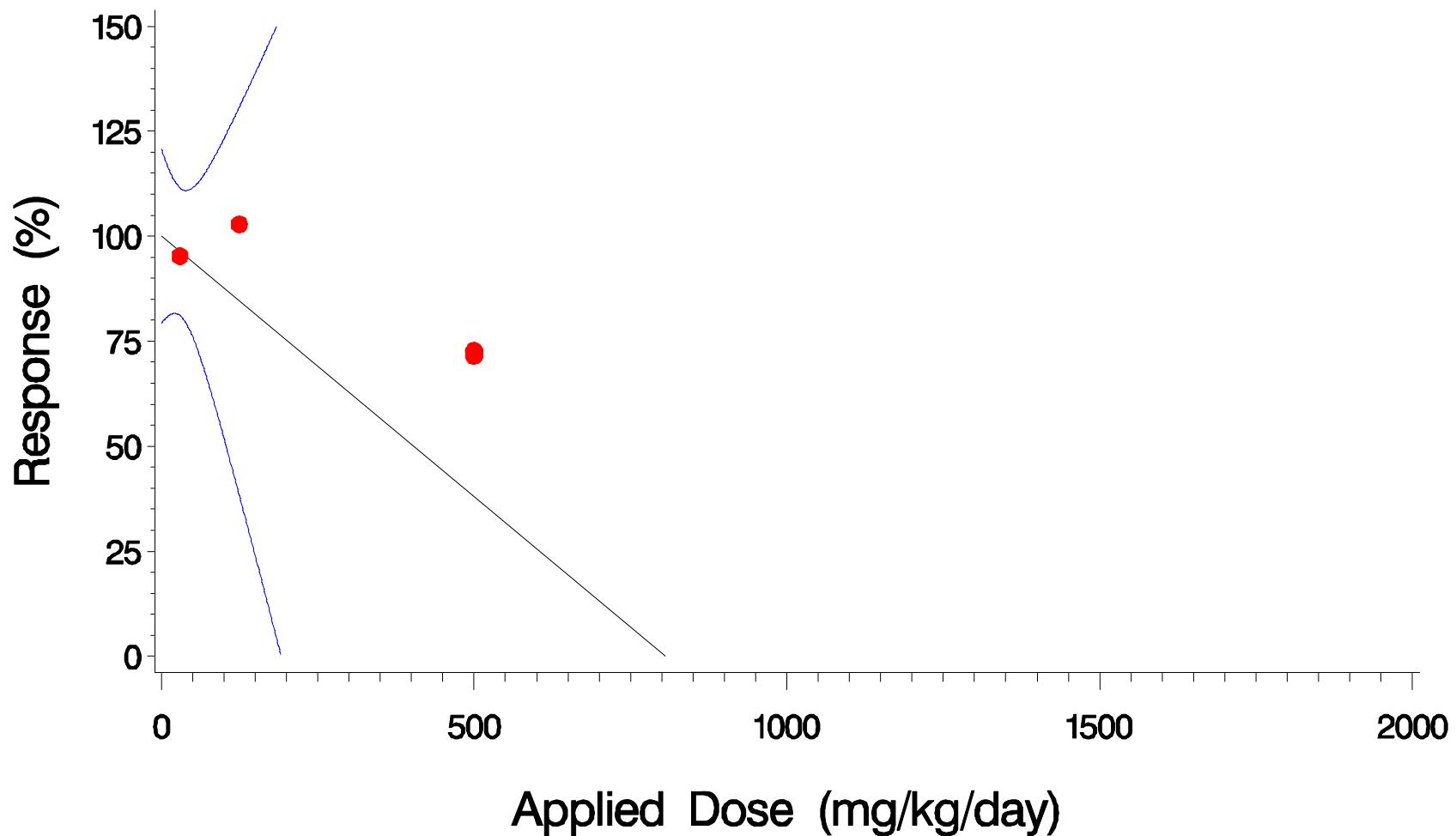
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Post-natal Total Litter Size
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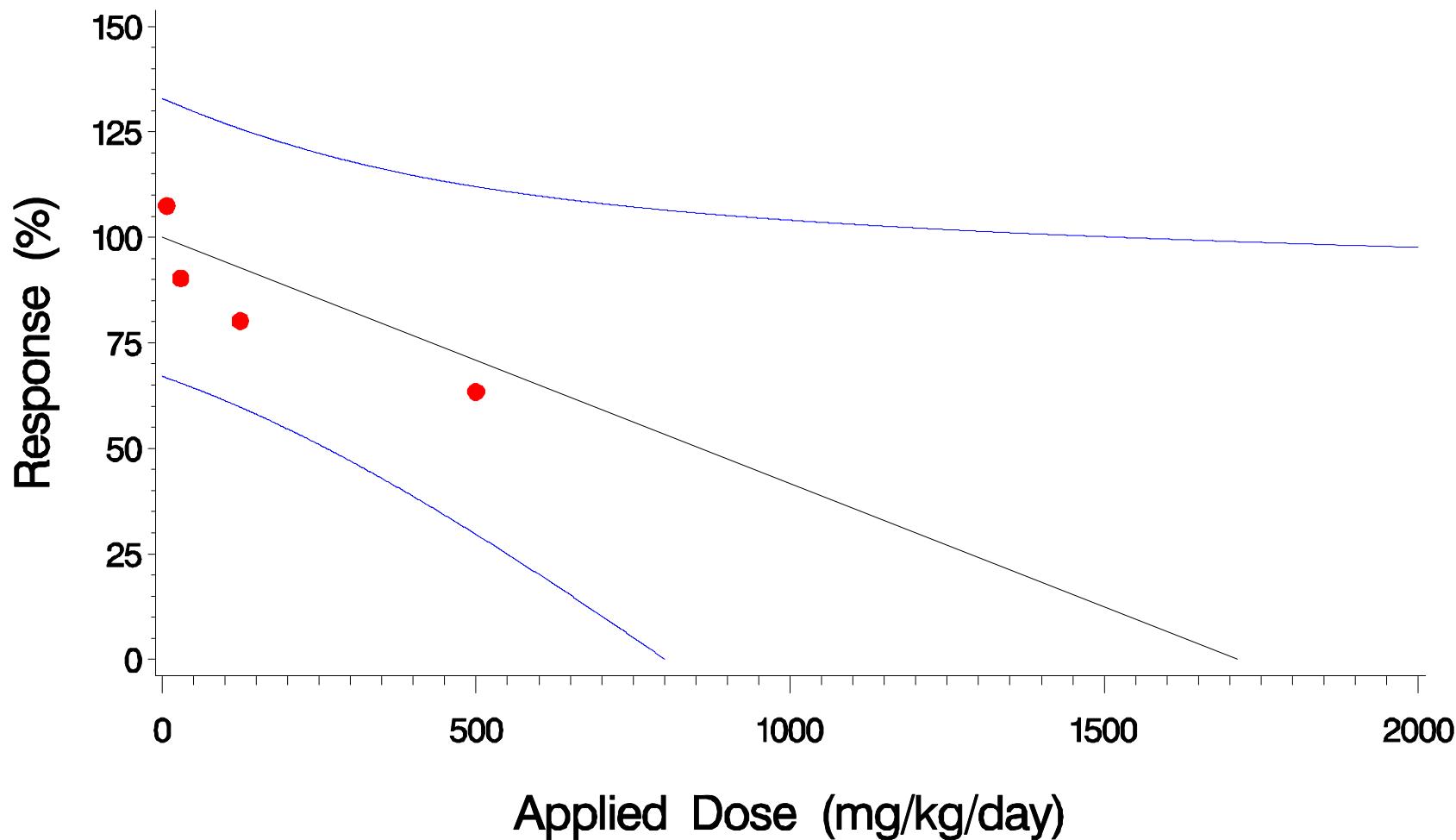
Crude Oil
Post-natal Live Litter Size
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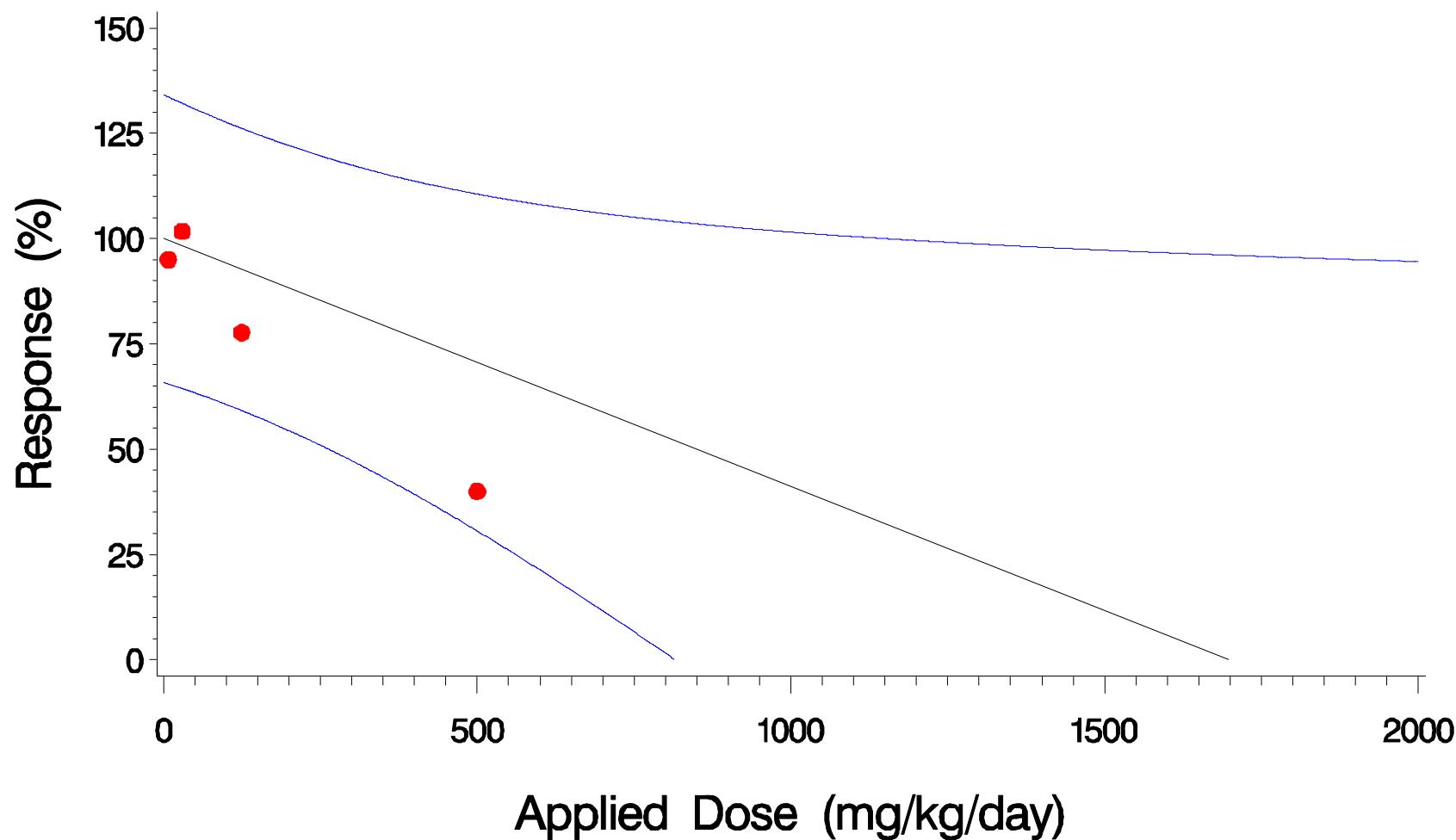
Crude Oil
Post-natal Live Litter Size
sample_no = 89646



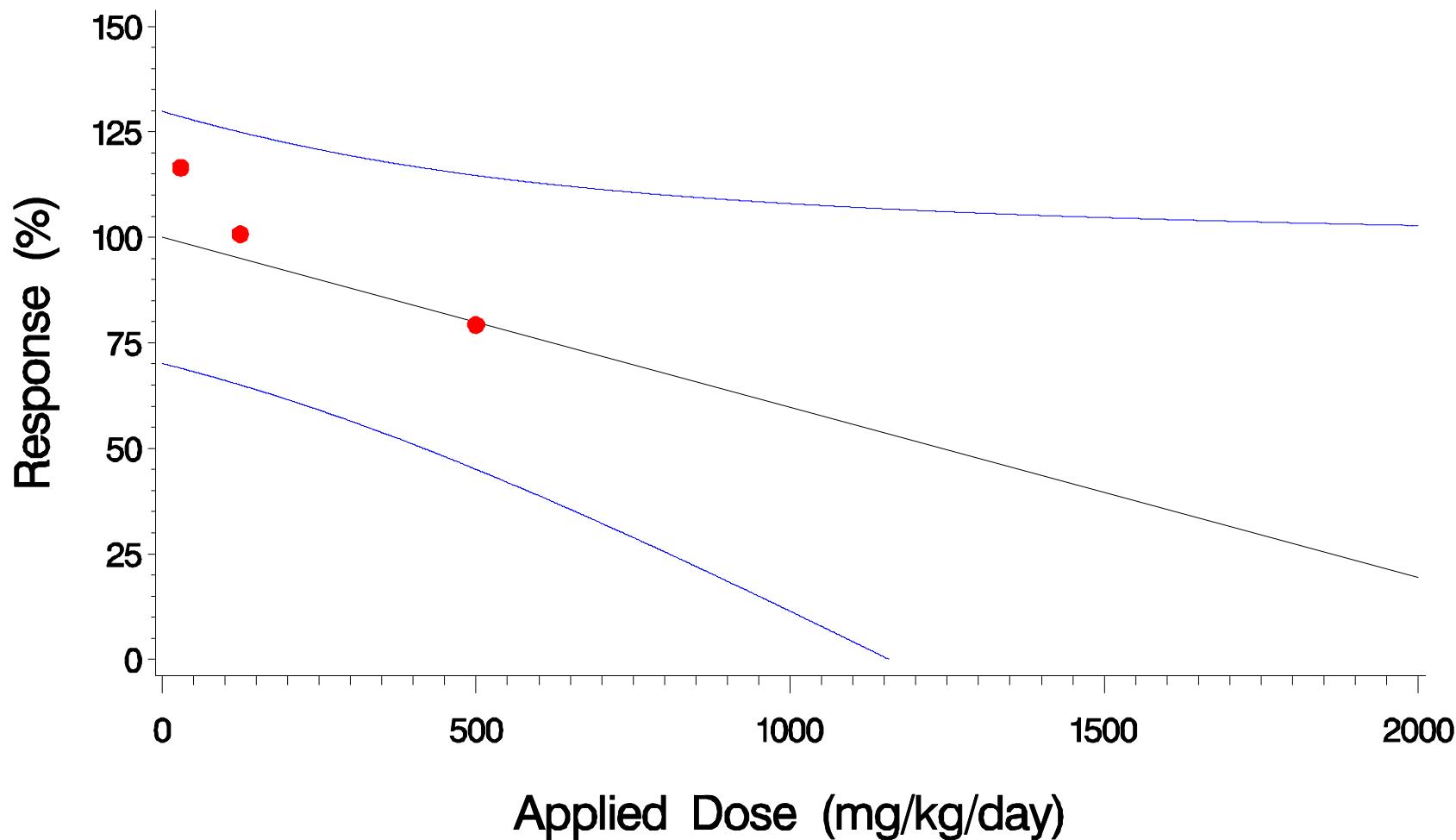
Gas Oil
Repeat Dose Thymus Weight
sample_no = 8281 Sex = female



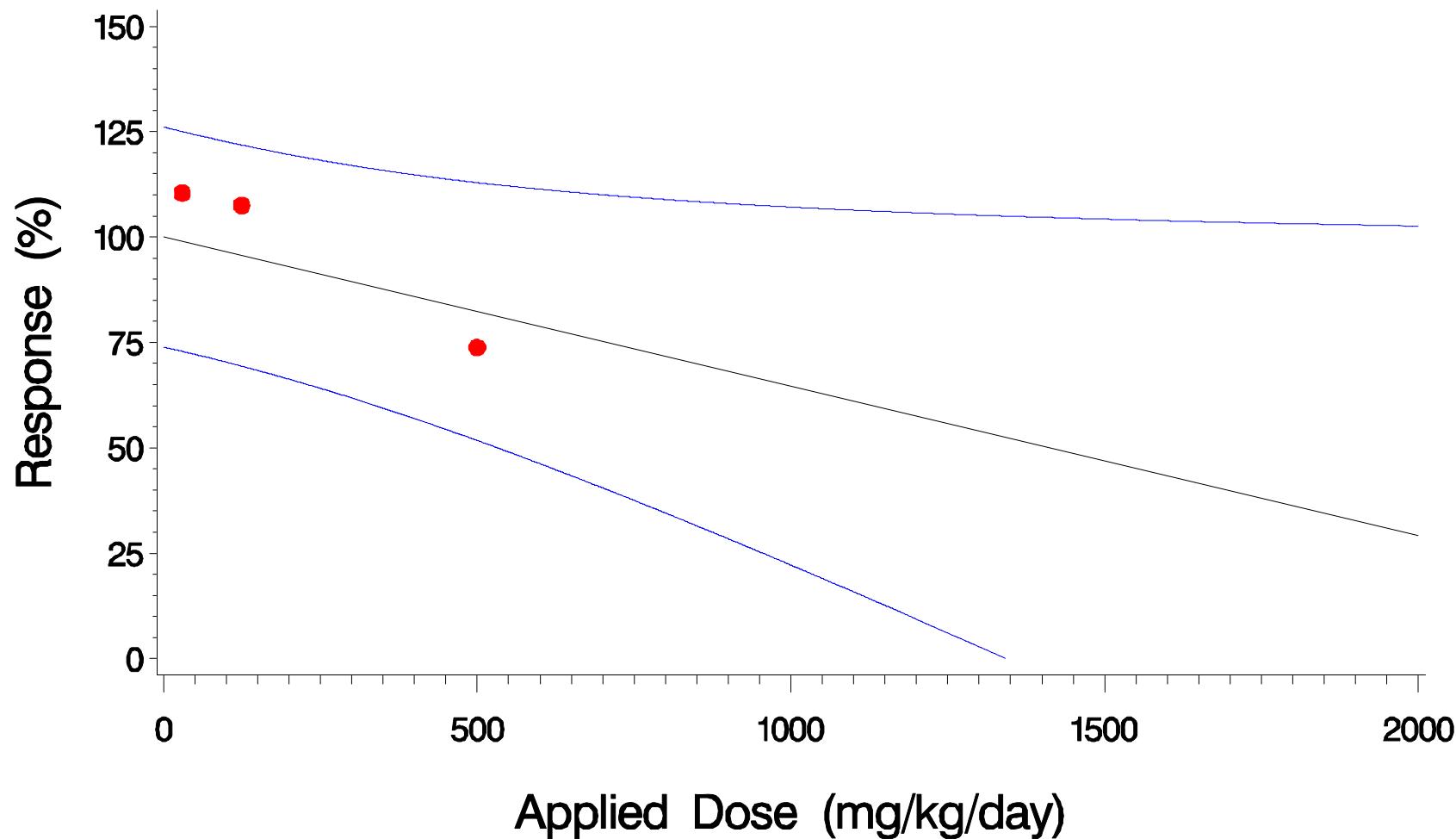
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Repeat Dose Thymus Weight
sample_no = 8281 Sex = male



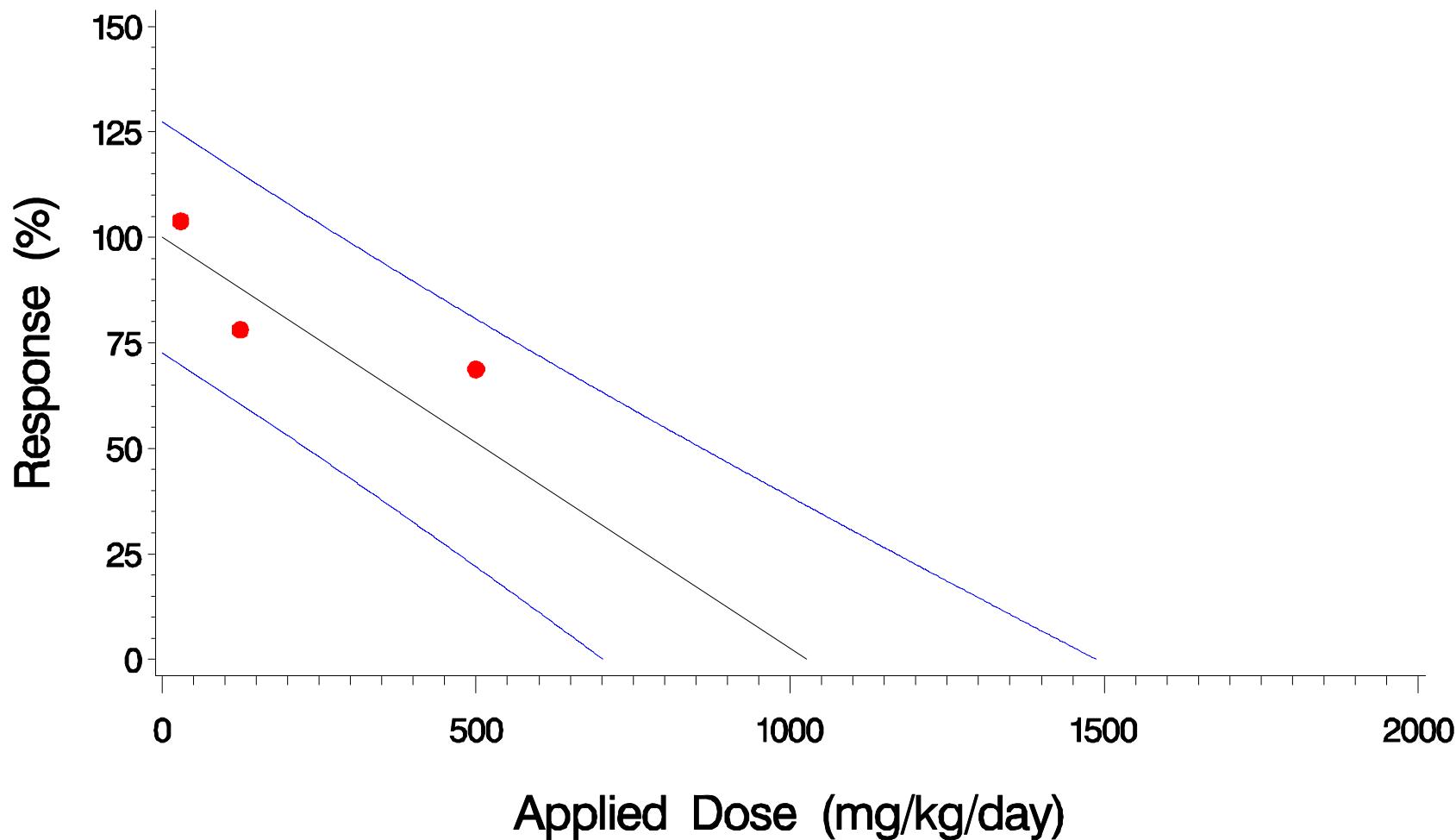
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Repeat Dose Thymus Weight
sample_no=86270 Sex=female



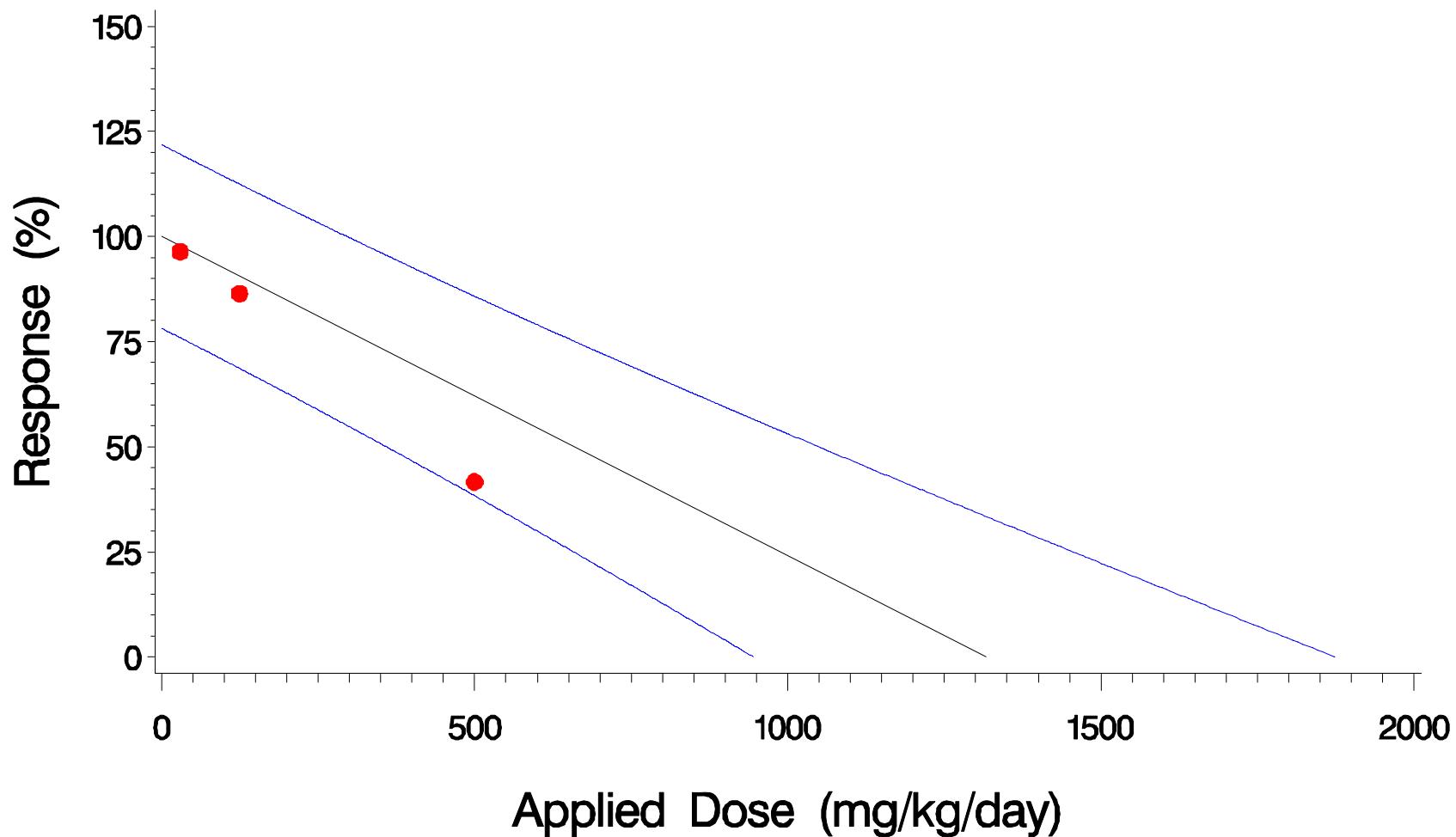
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Repeat Dose Thymus Weight
sample_no = 86270 Sex = male



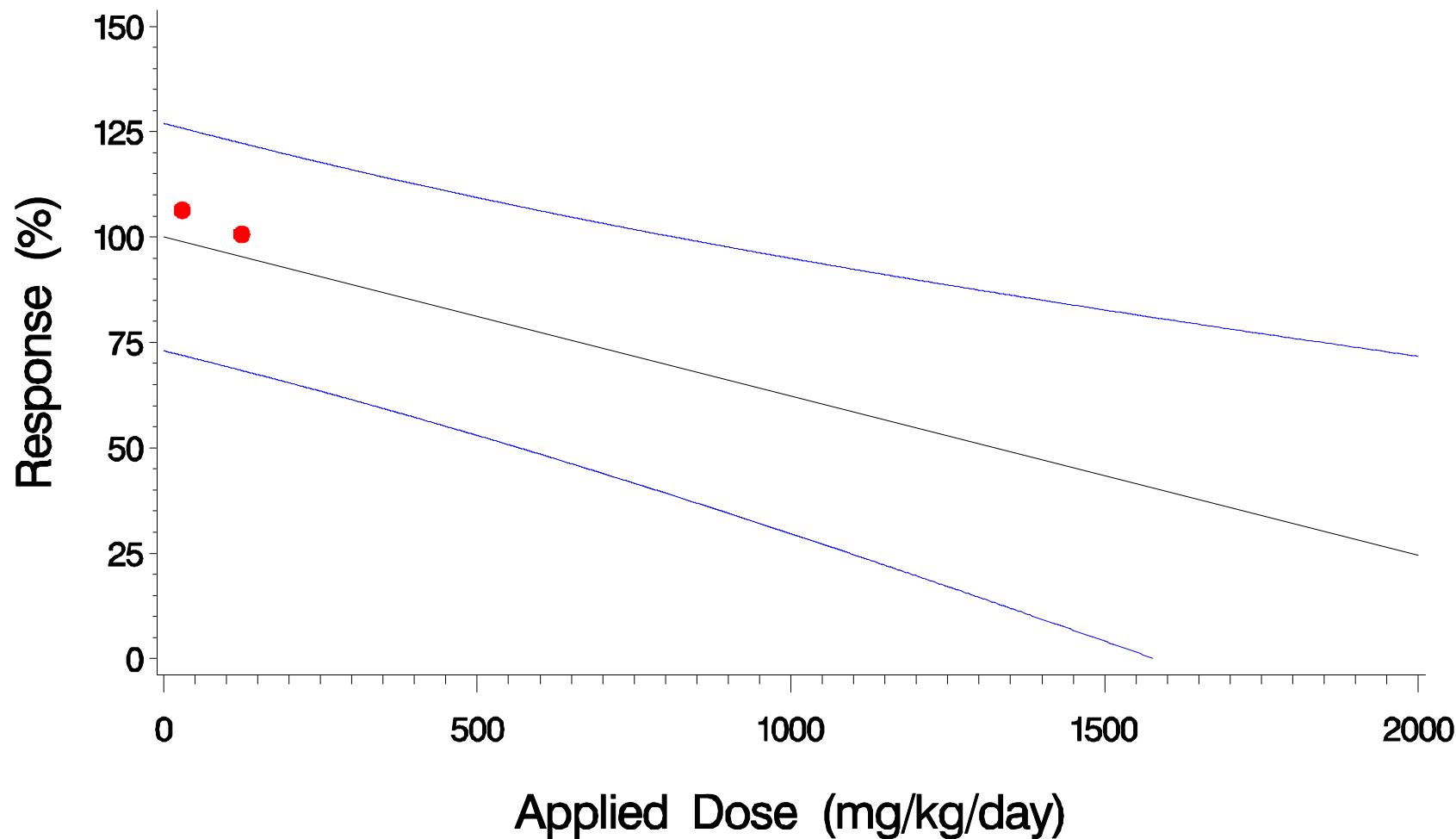
Gas Oil
Repeat Dose Thymus Weight
sample_no=86271 Sex=female



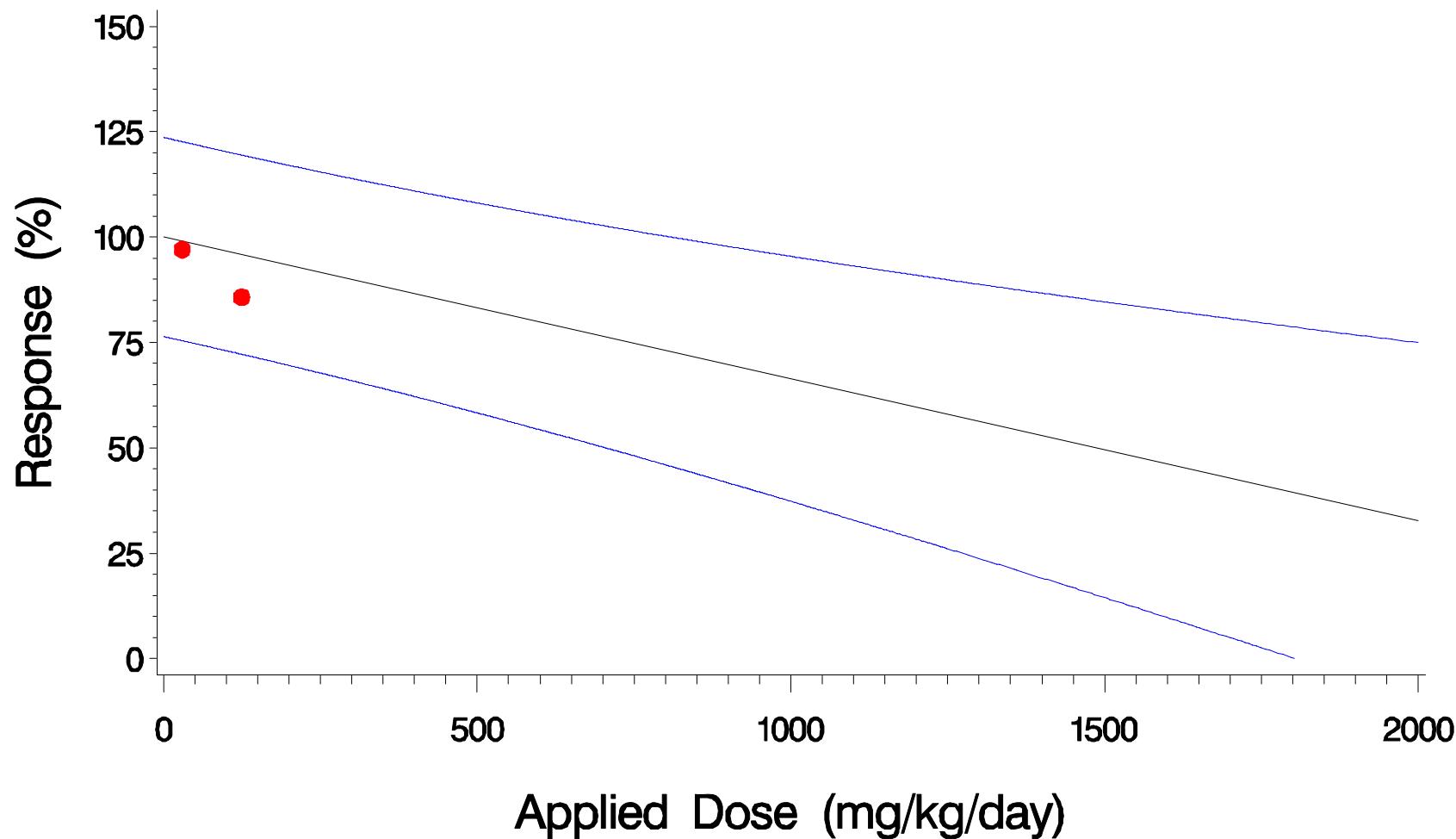
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Repeat Dose Thymus Weight
sample_no = 86271 Sex = male



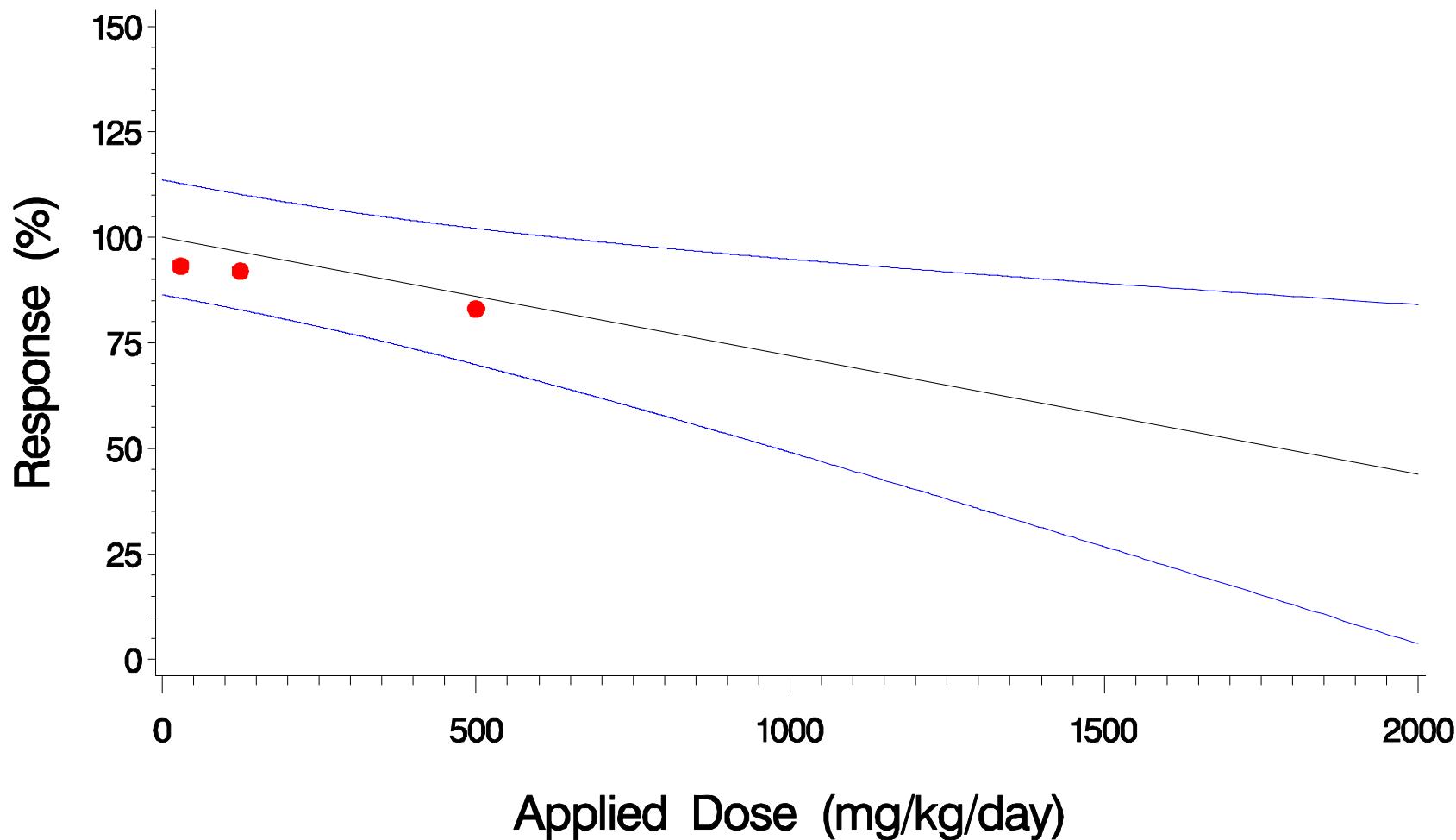
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Repeat Dose Thymus Weight
sample_no=87213 Sex=female



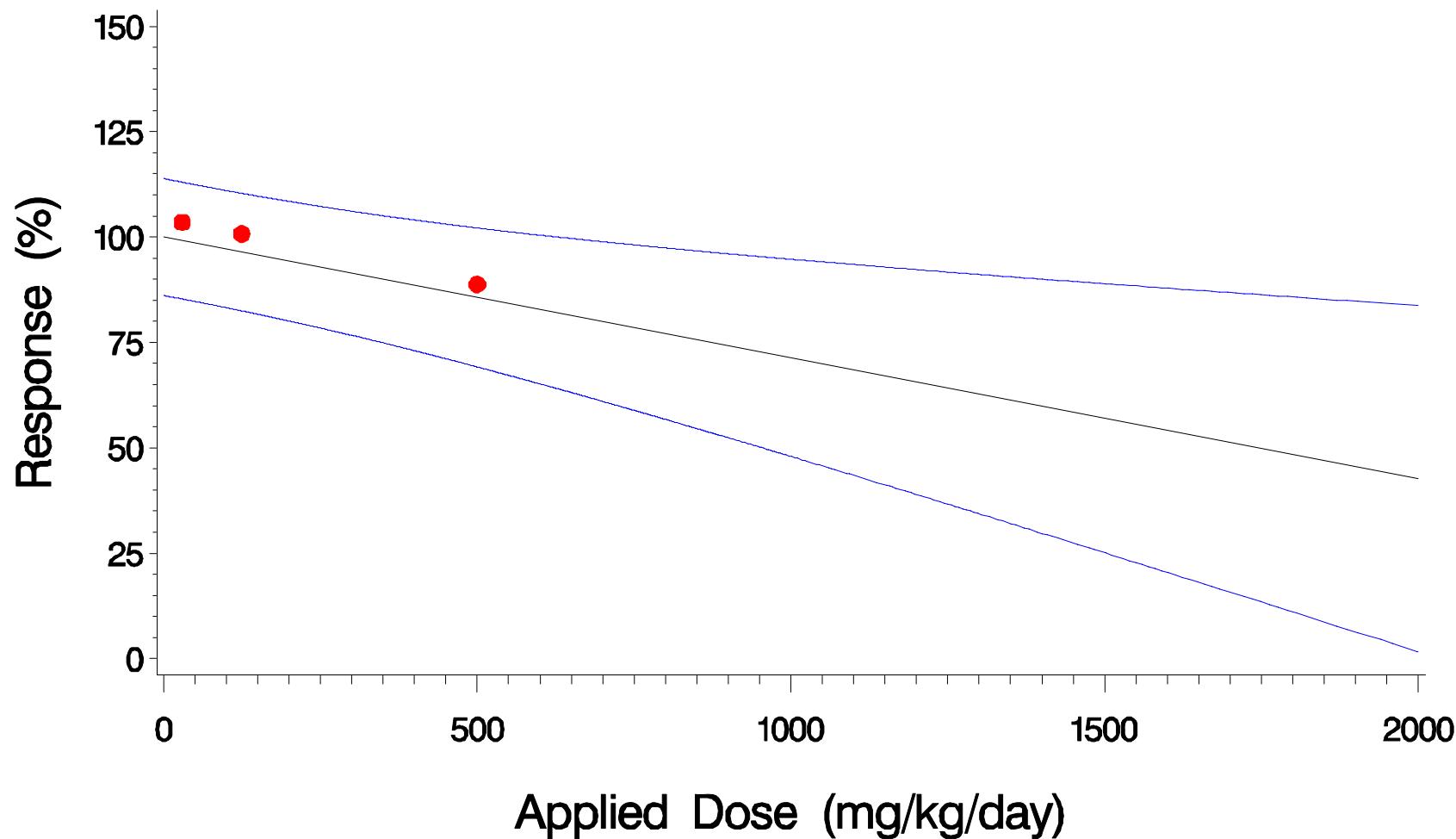
Gas Oil
Repeat Dose Thymus Weight
sample_no = 87213 Sex = male



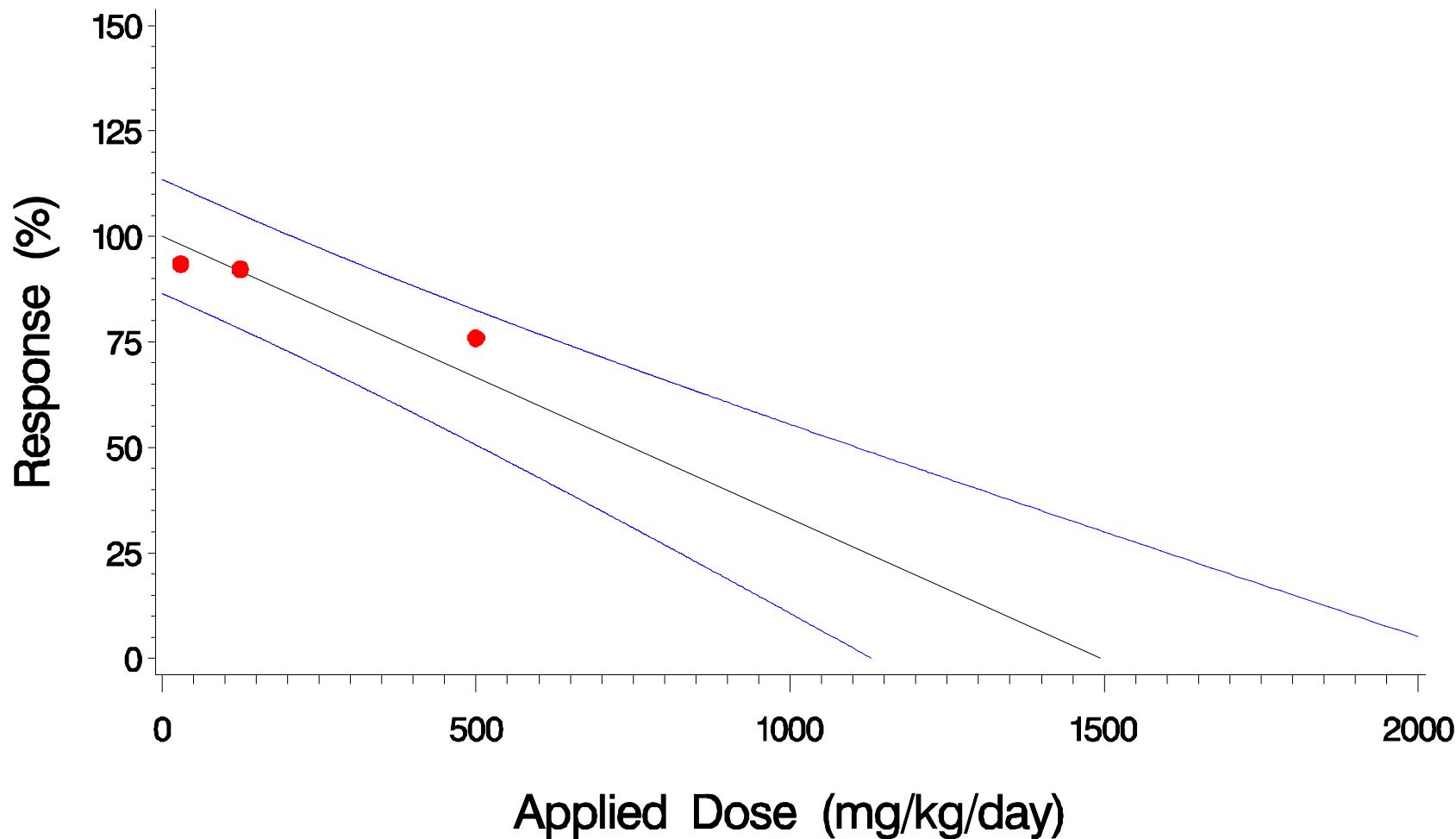
Gas Oil
Repeat Dose Platelet Count
sample_no = 86270 Sex = female



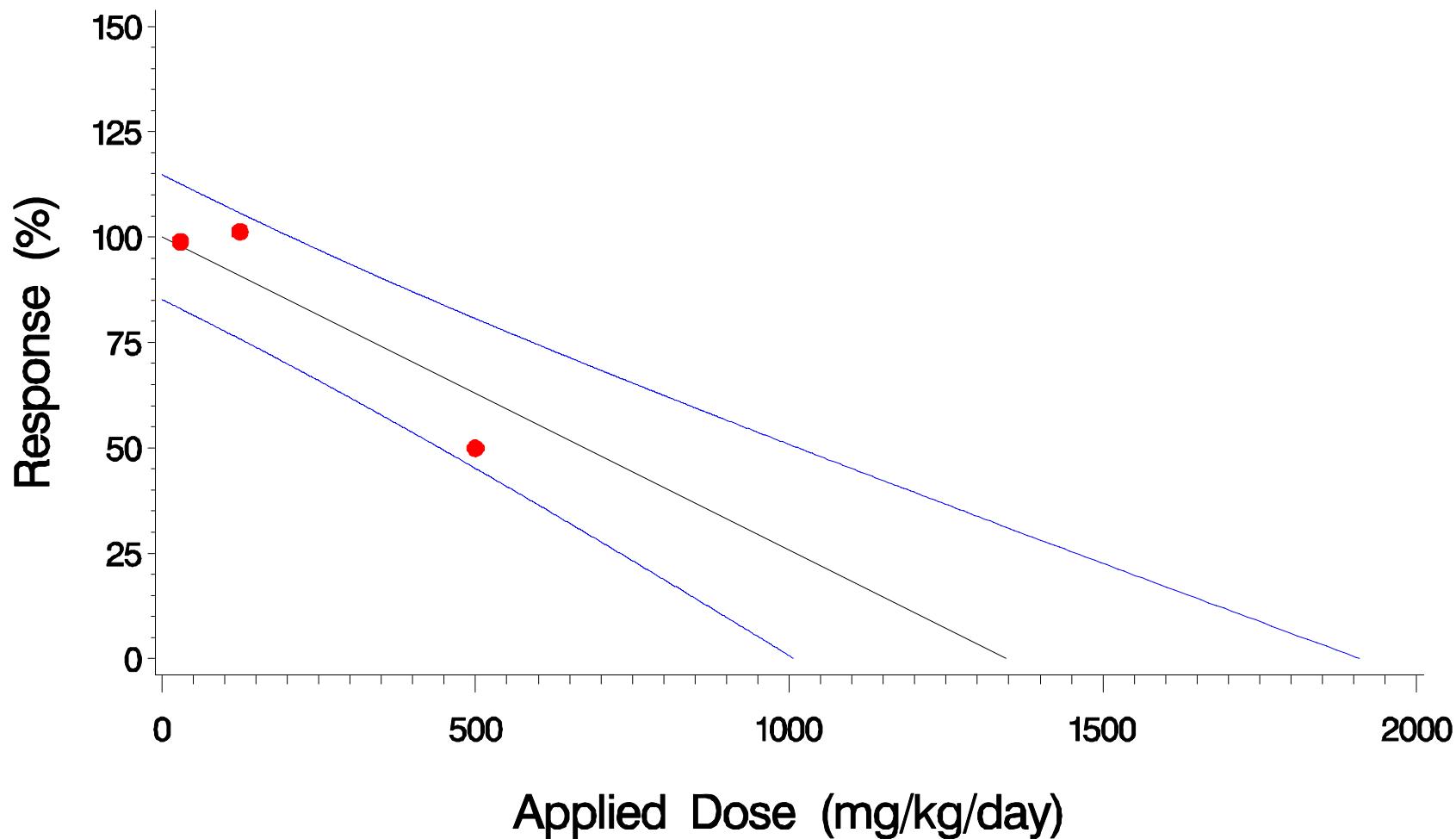
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Repeat Dose Platelet Count
sample_no = 86270 Sex = male



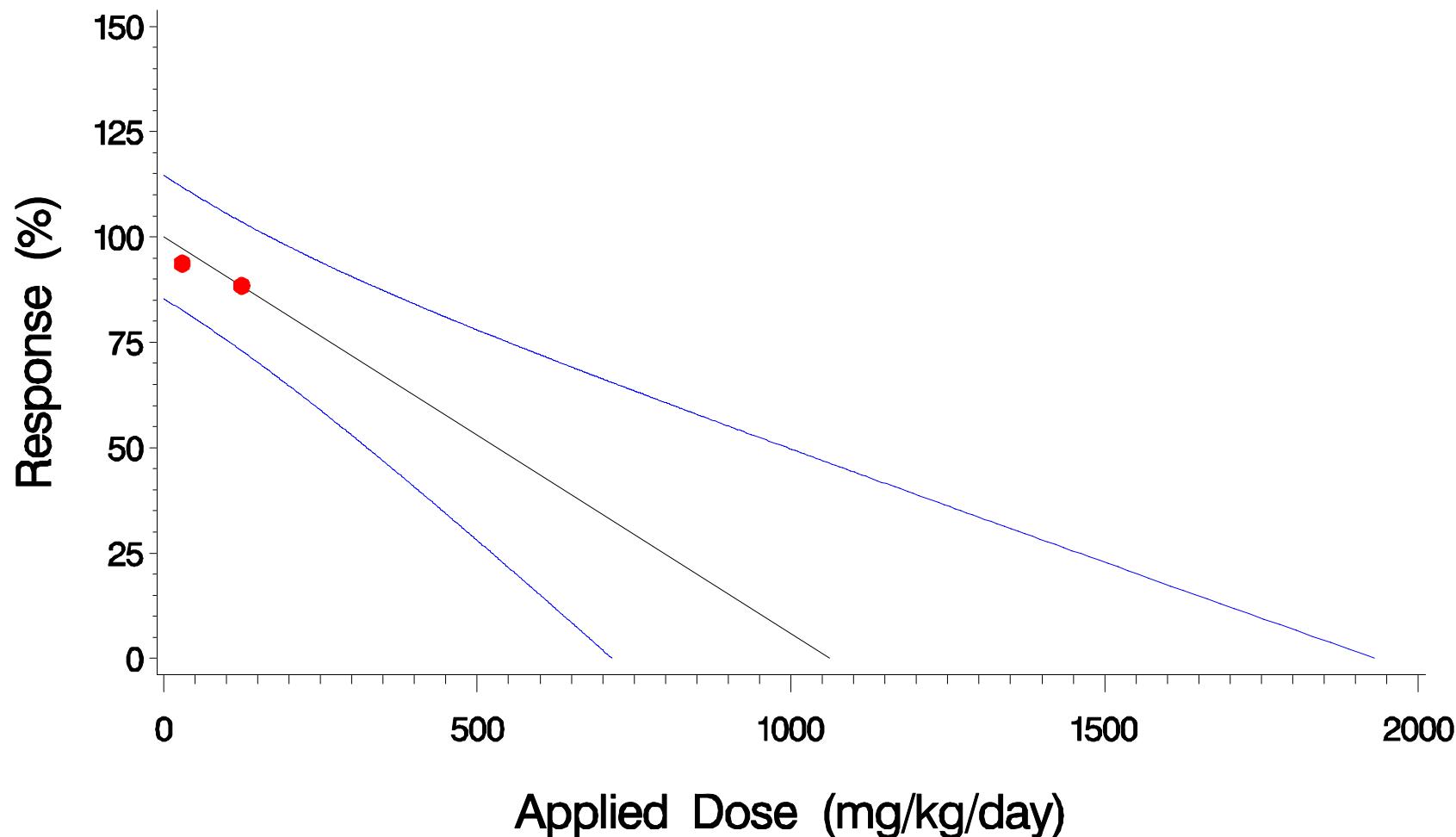
Gas Oil
Repeat Dose Platelet Count
sample_no=86271 Sex=female



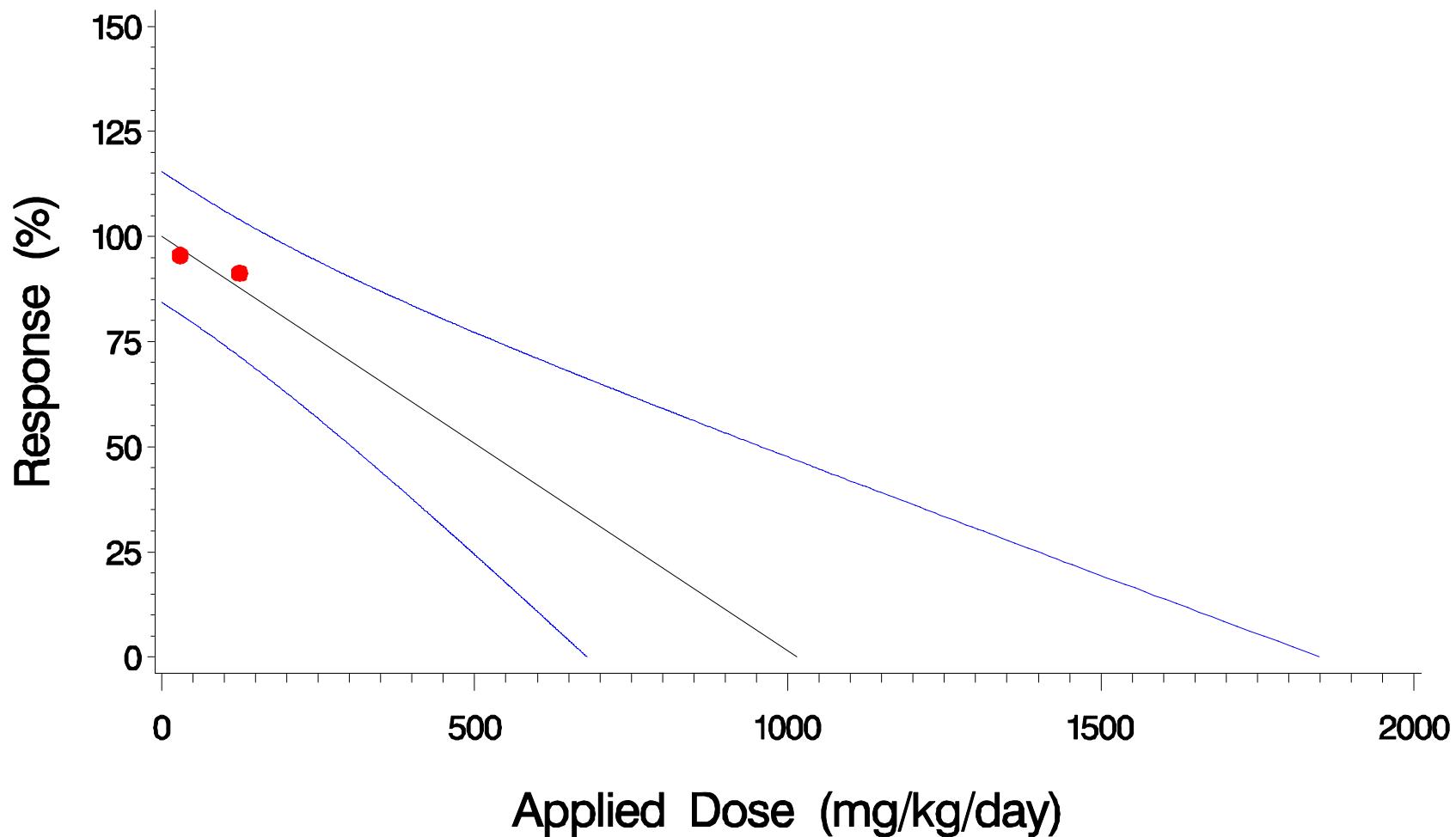
Gas Oil
Repeat Dose Platelet Count
sample_no = 86271 Sex = male



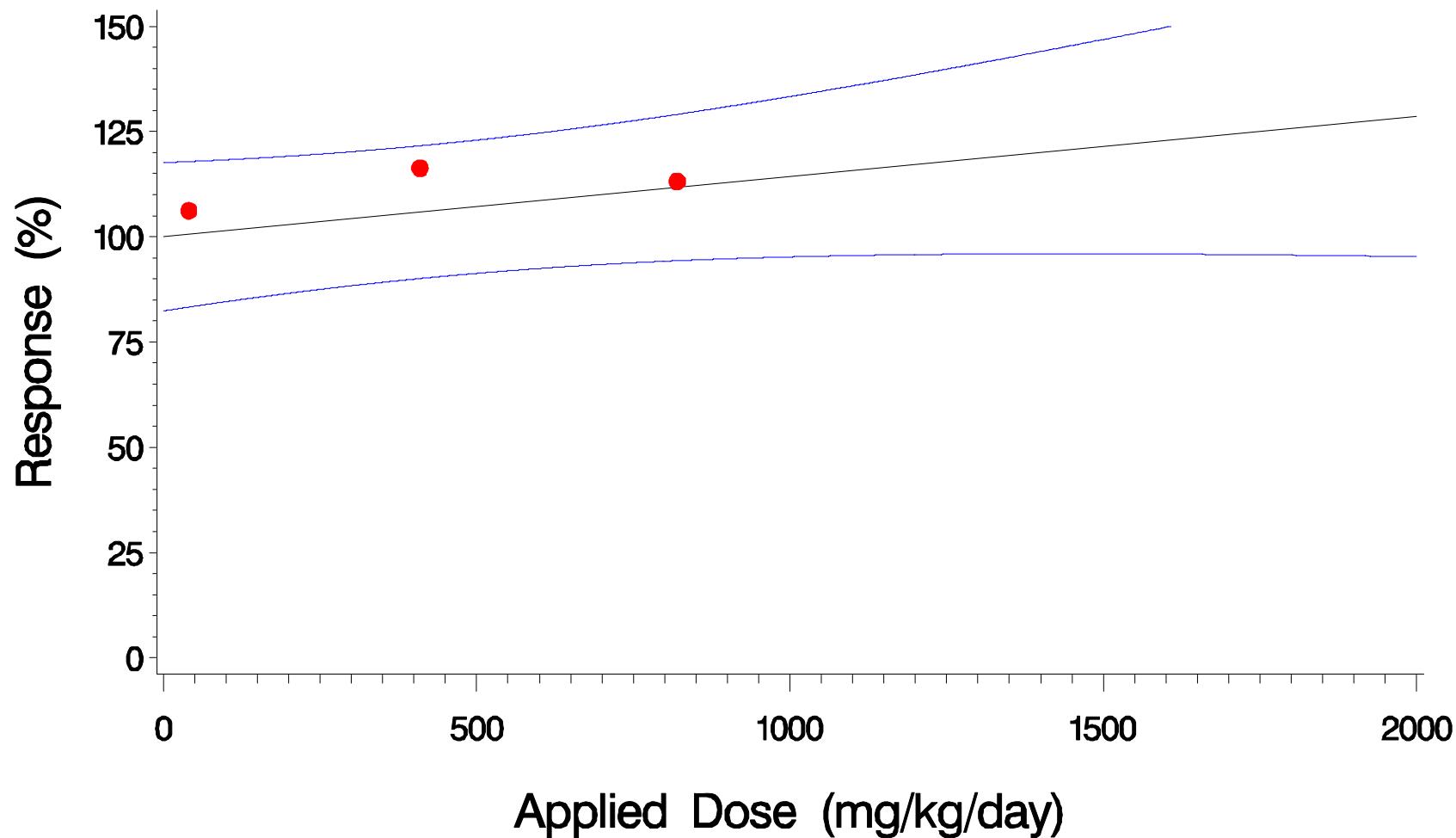
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Repeat Dose Platelet Count
sample_no=87213 Sex=female



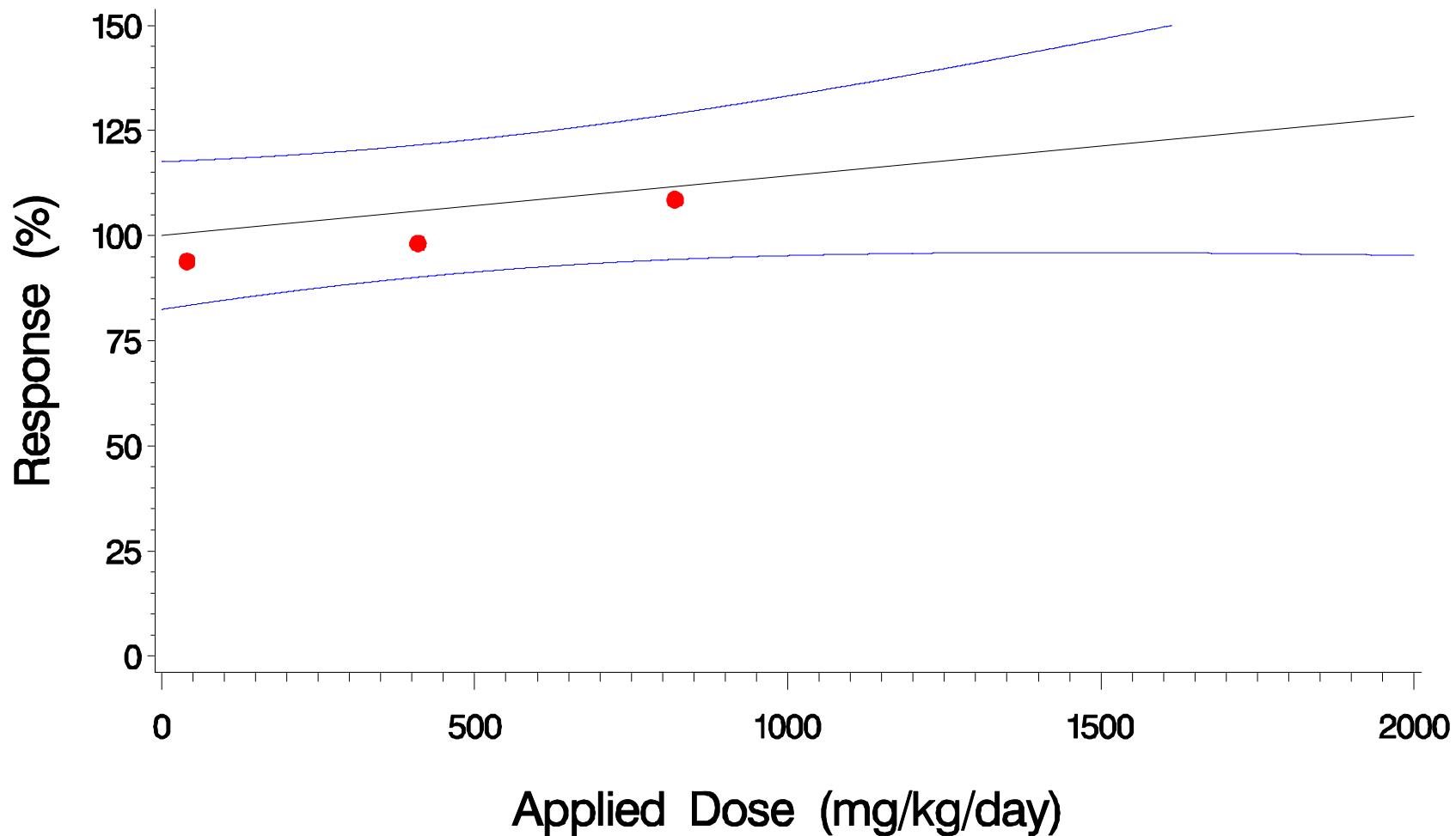
Gas Oil
Repeat Dose Platelet Count
sample_no = 87213 Sex = male



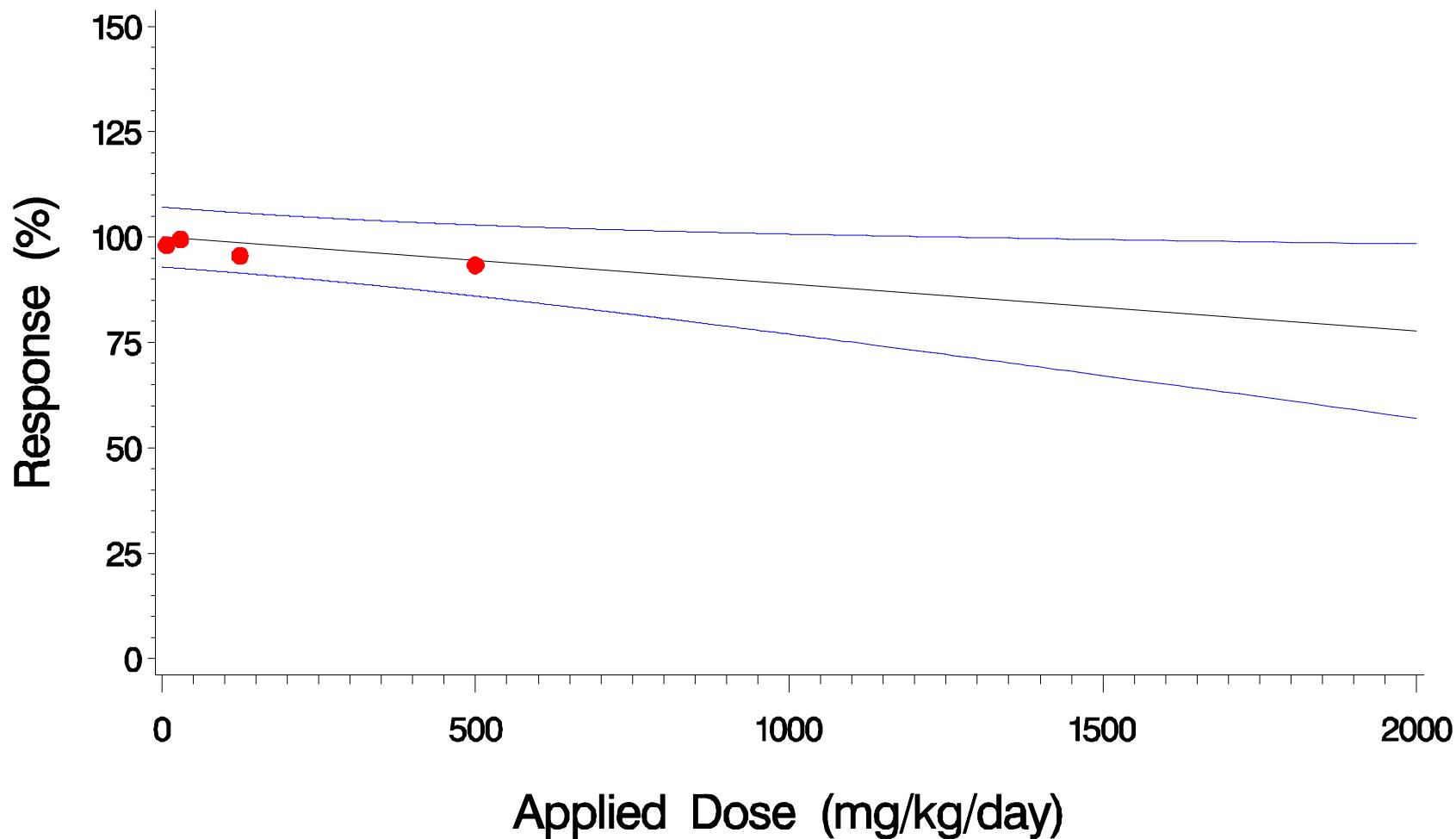
Gas Oil
Repeat Dose Platelet Count
sample_no=F – 233 Sex=female



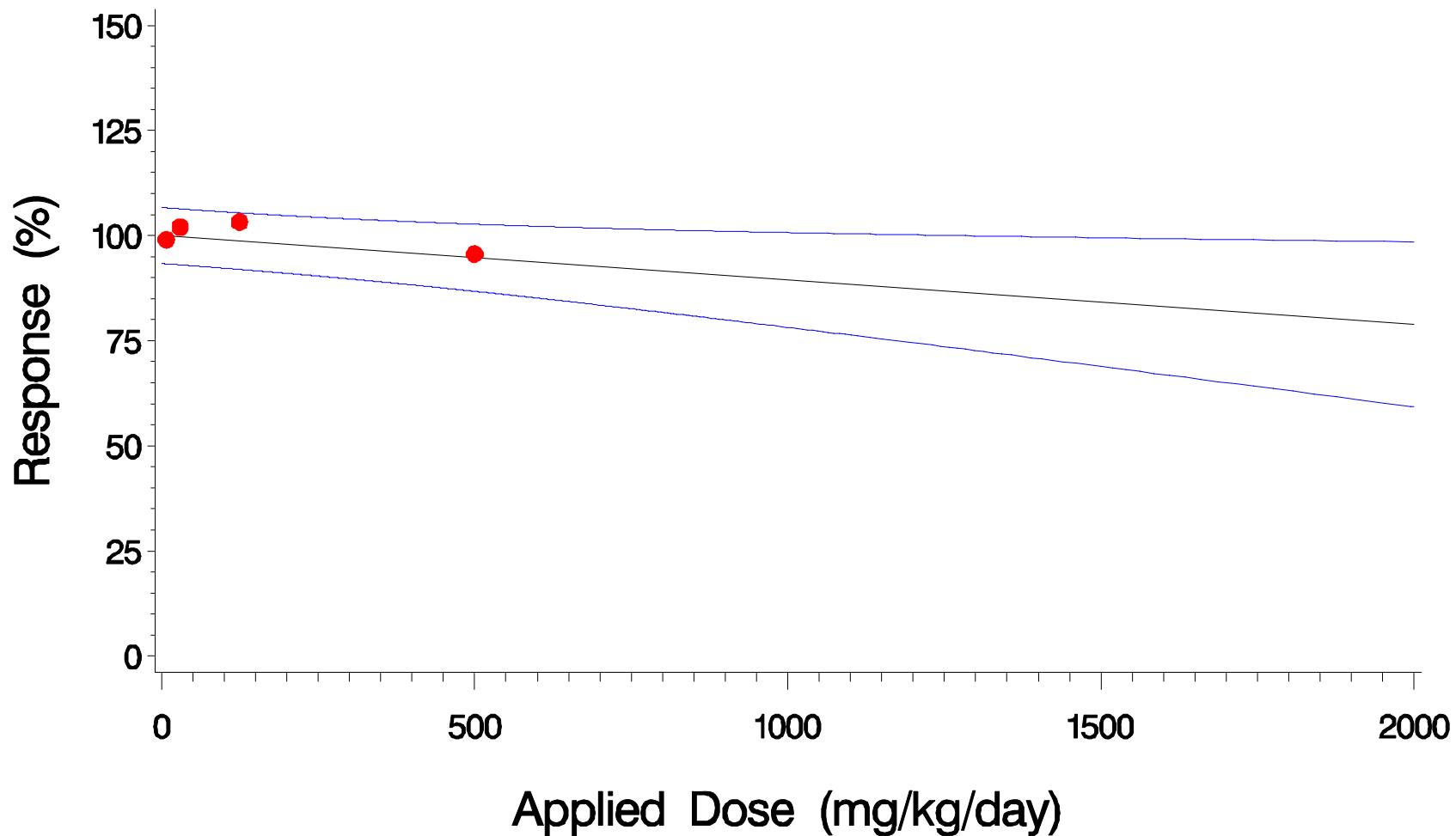
Gas Oil
Repeat Dose Platelet Count
sample_no=F-233 Sex=male



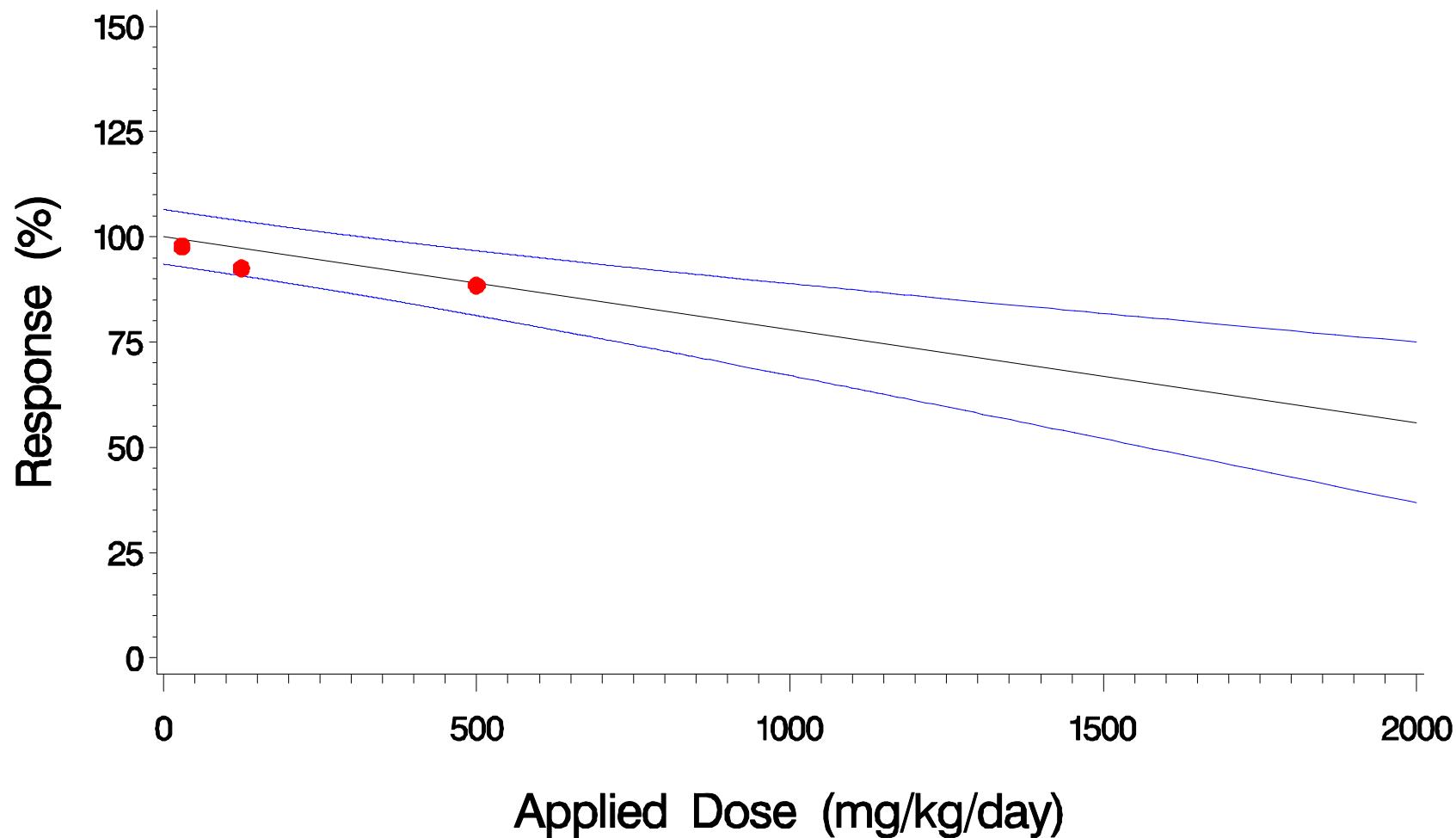
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no = 8281 Sex = female



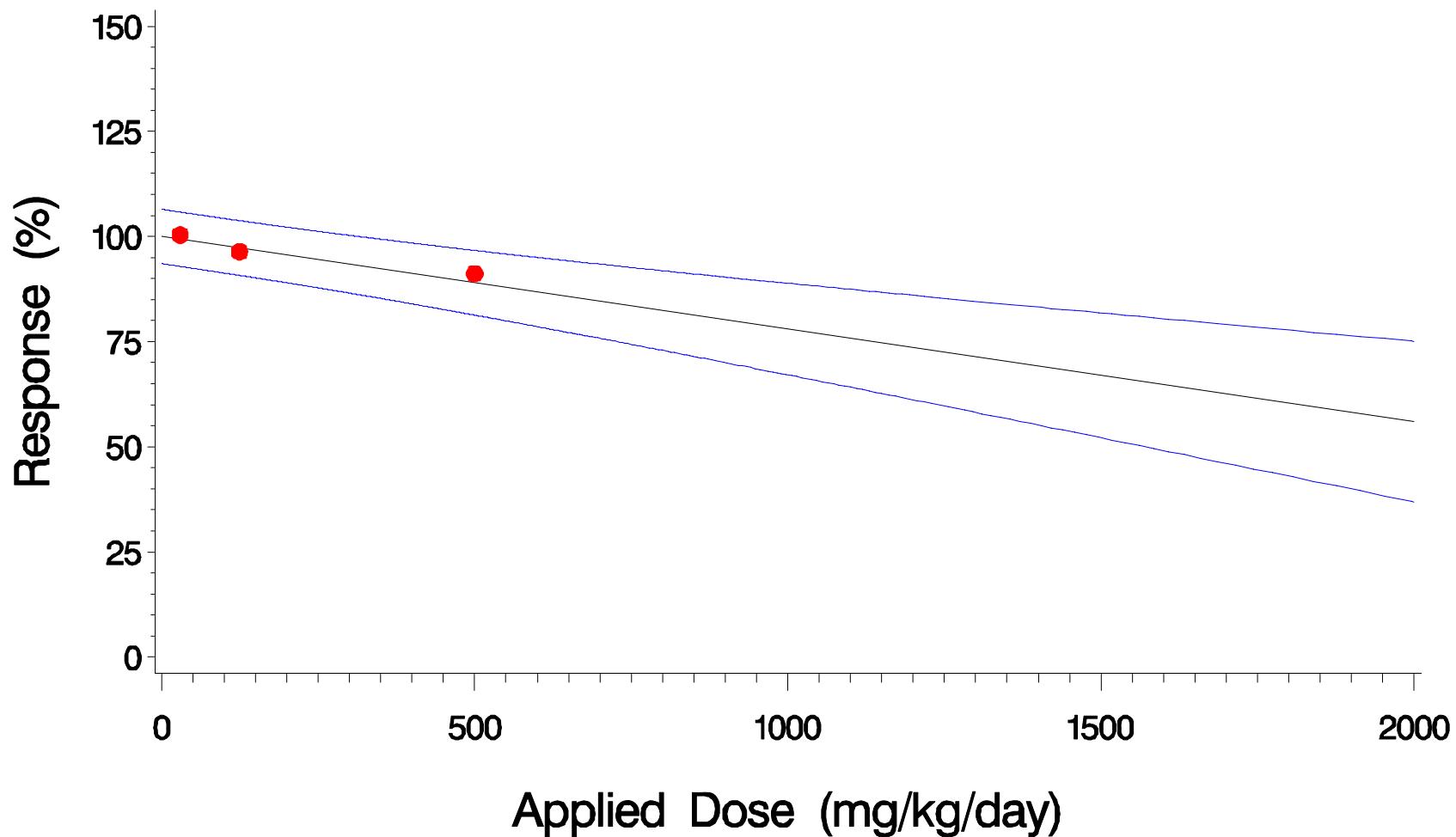
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no = 8281 Sex = male



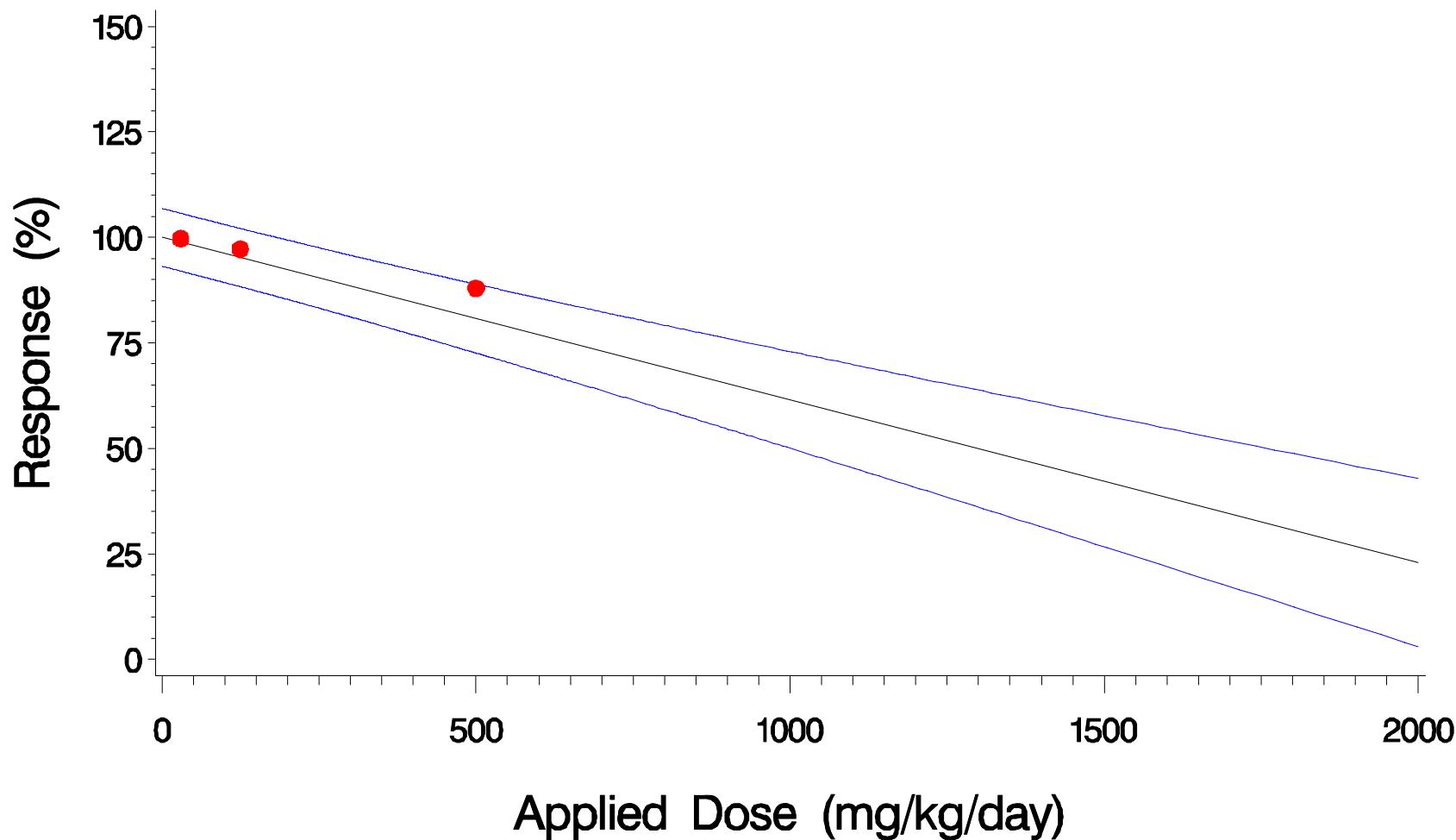
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no=86270 Sex=female



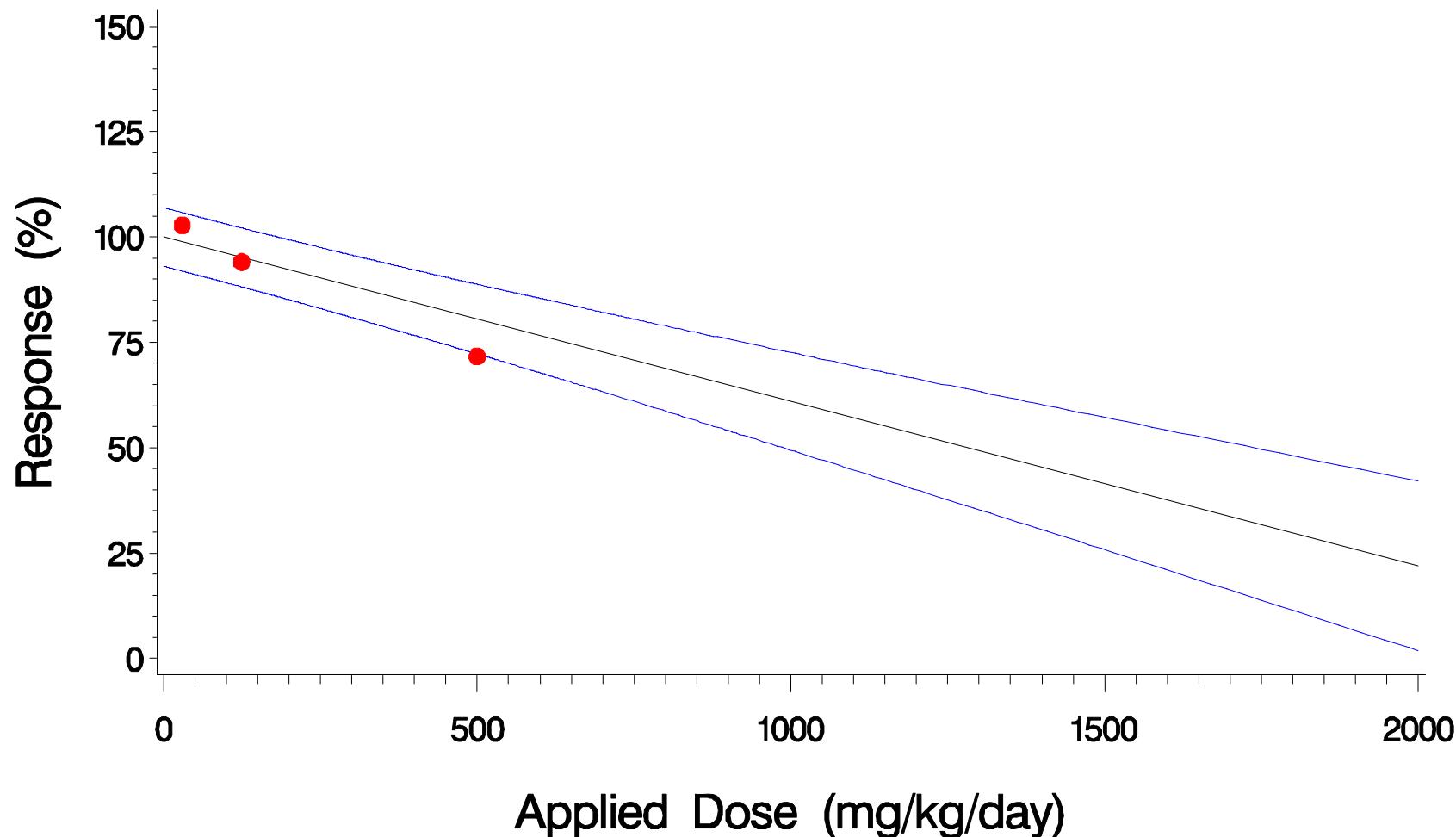
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sample_no = 86270 Sex = male



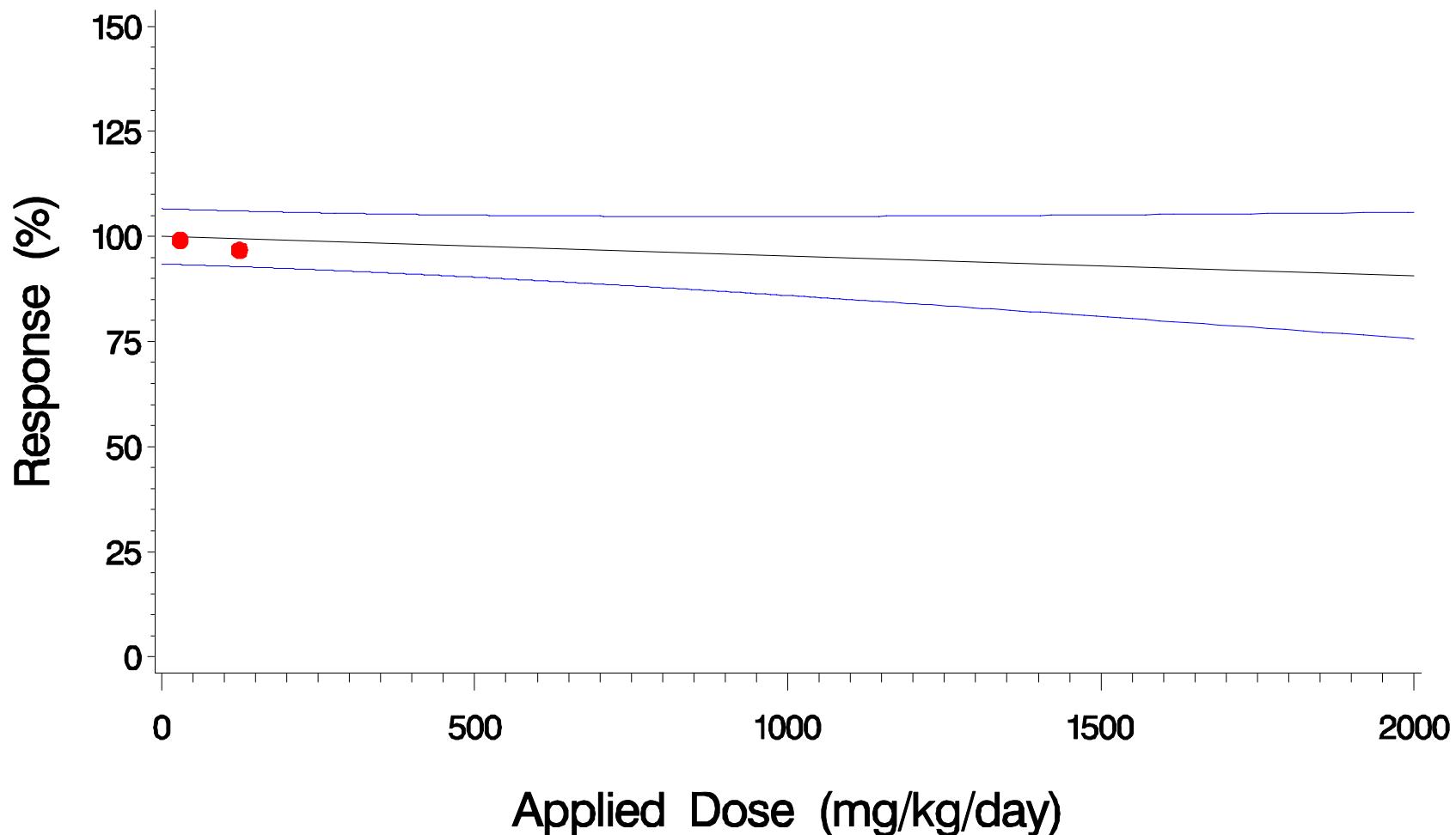
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no=86271 Sex=female



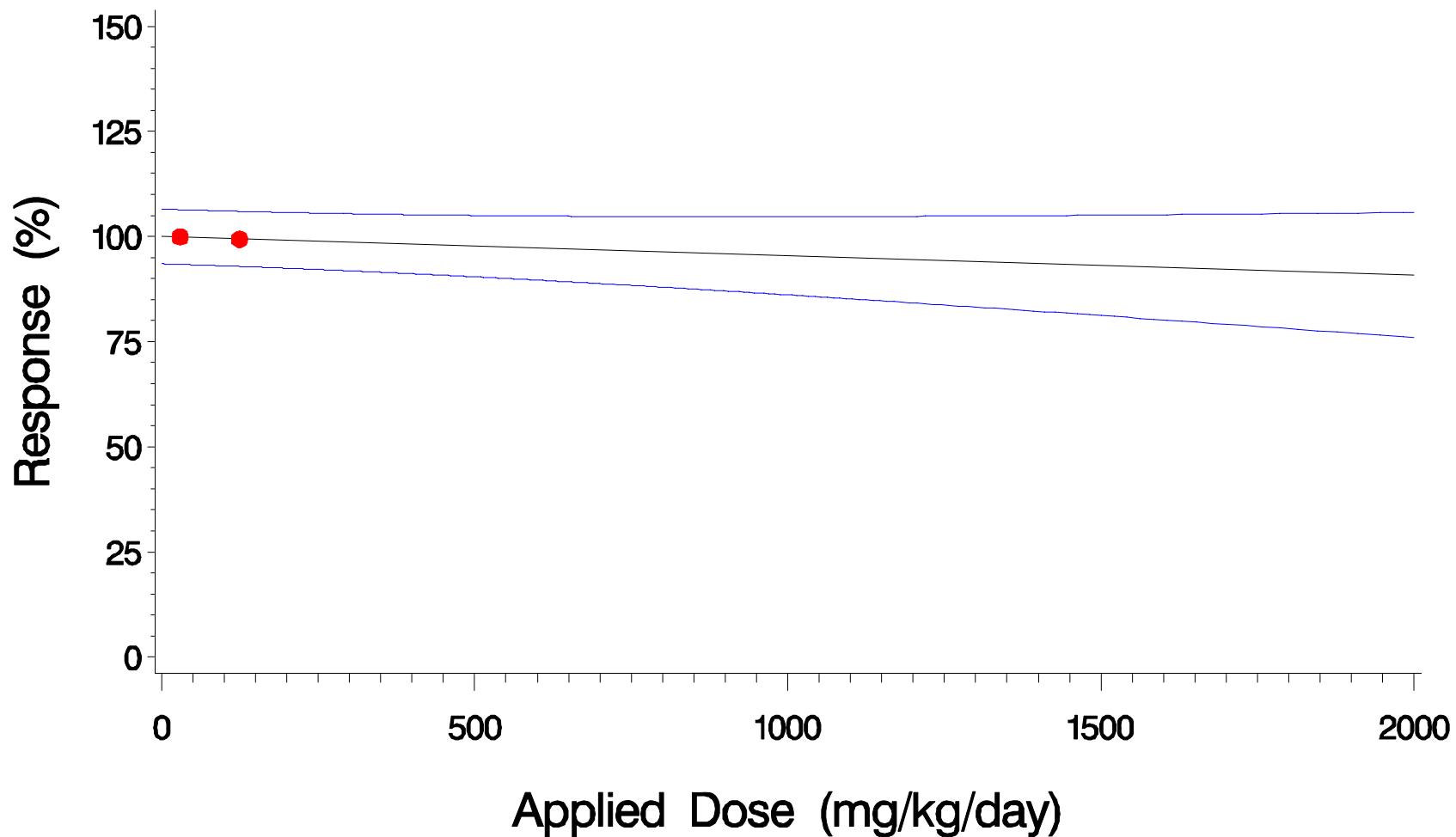
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no = 86271 Sex = male



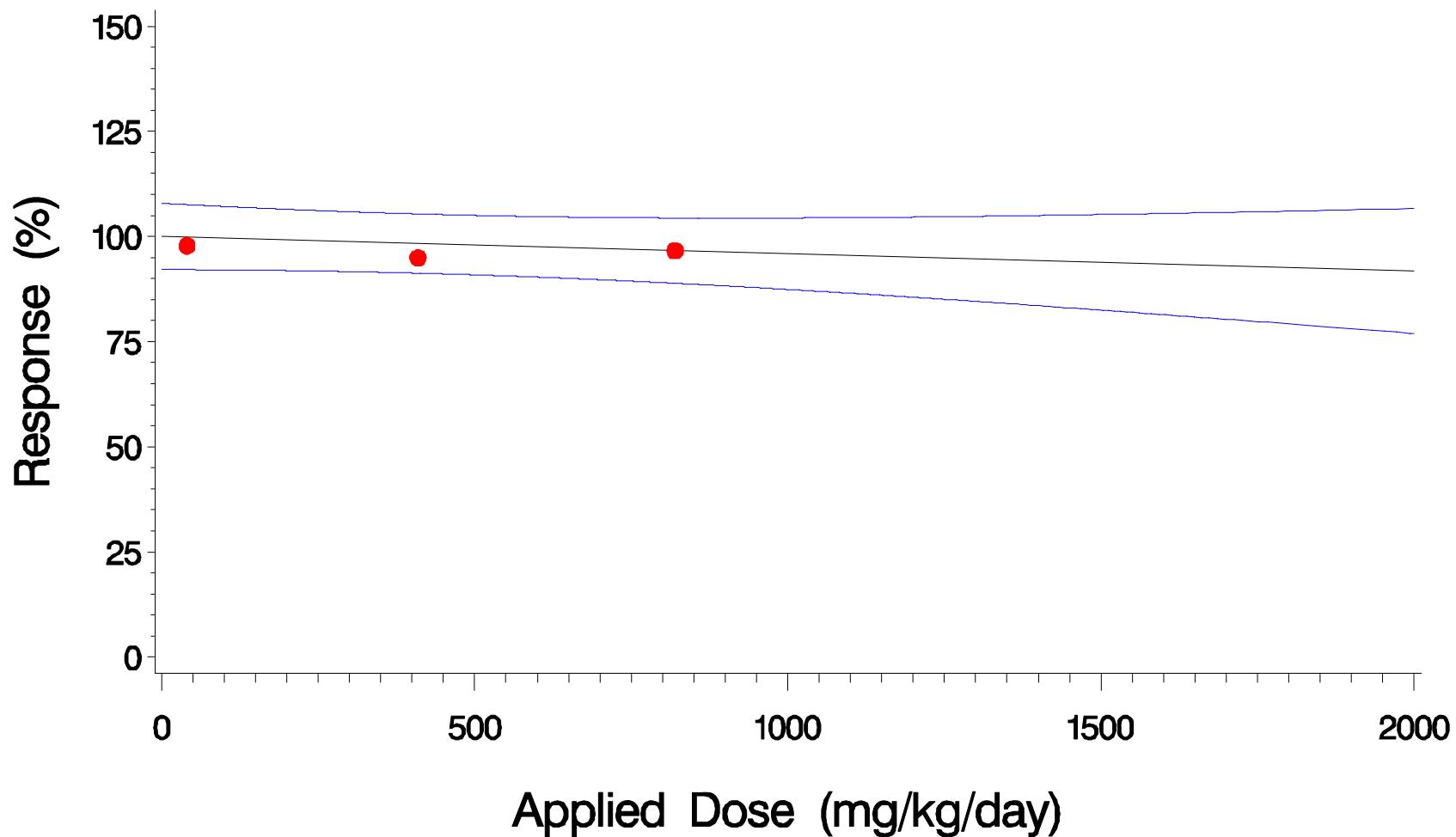
Gas Oil
Repeat Dose Hemoglobin Concentration
sample_no=87213 Sex=female



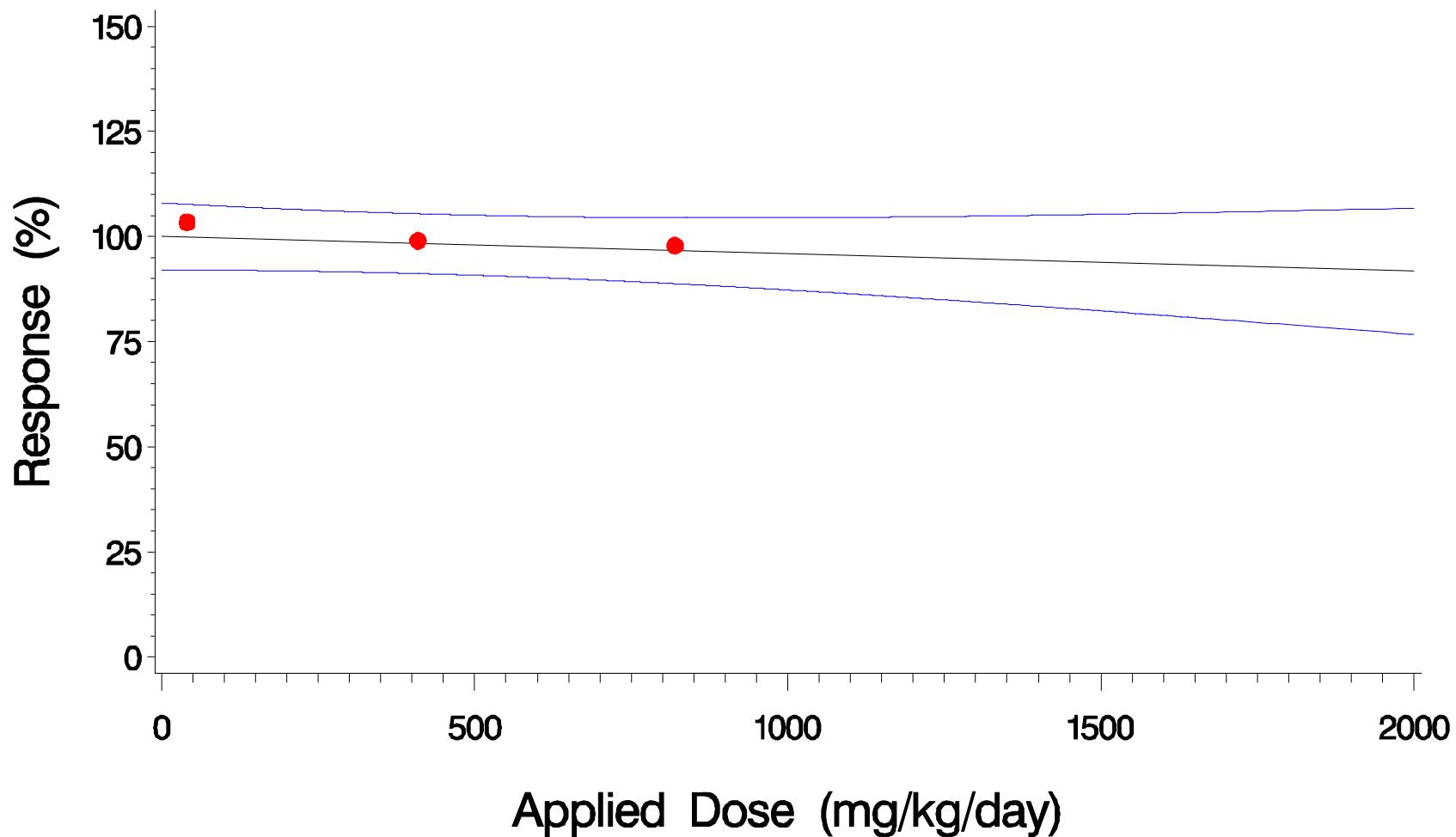
Gas Oil
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sample_no = 87213 Sex = male



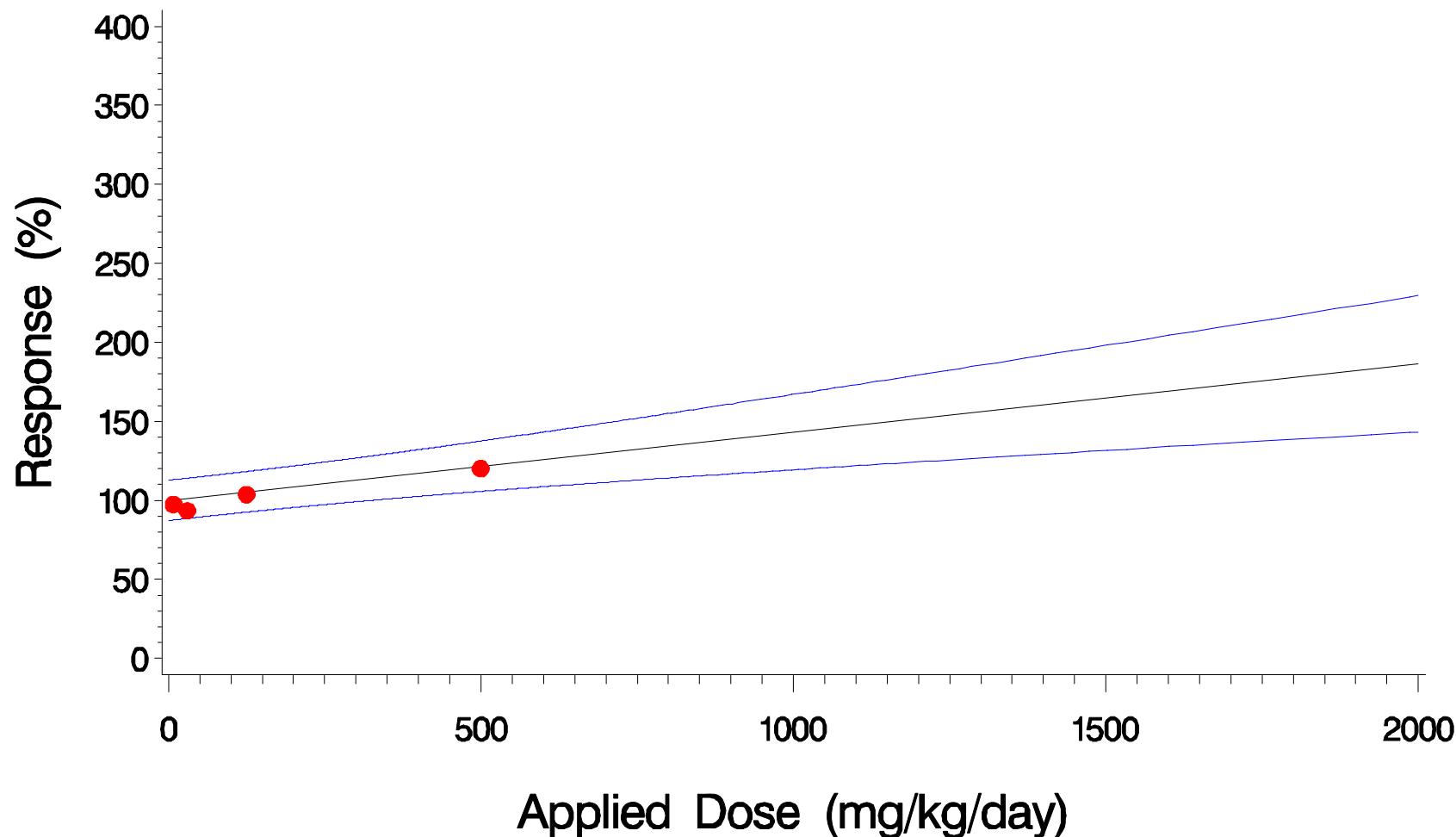
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sample_no=F-233 Sex=female



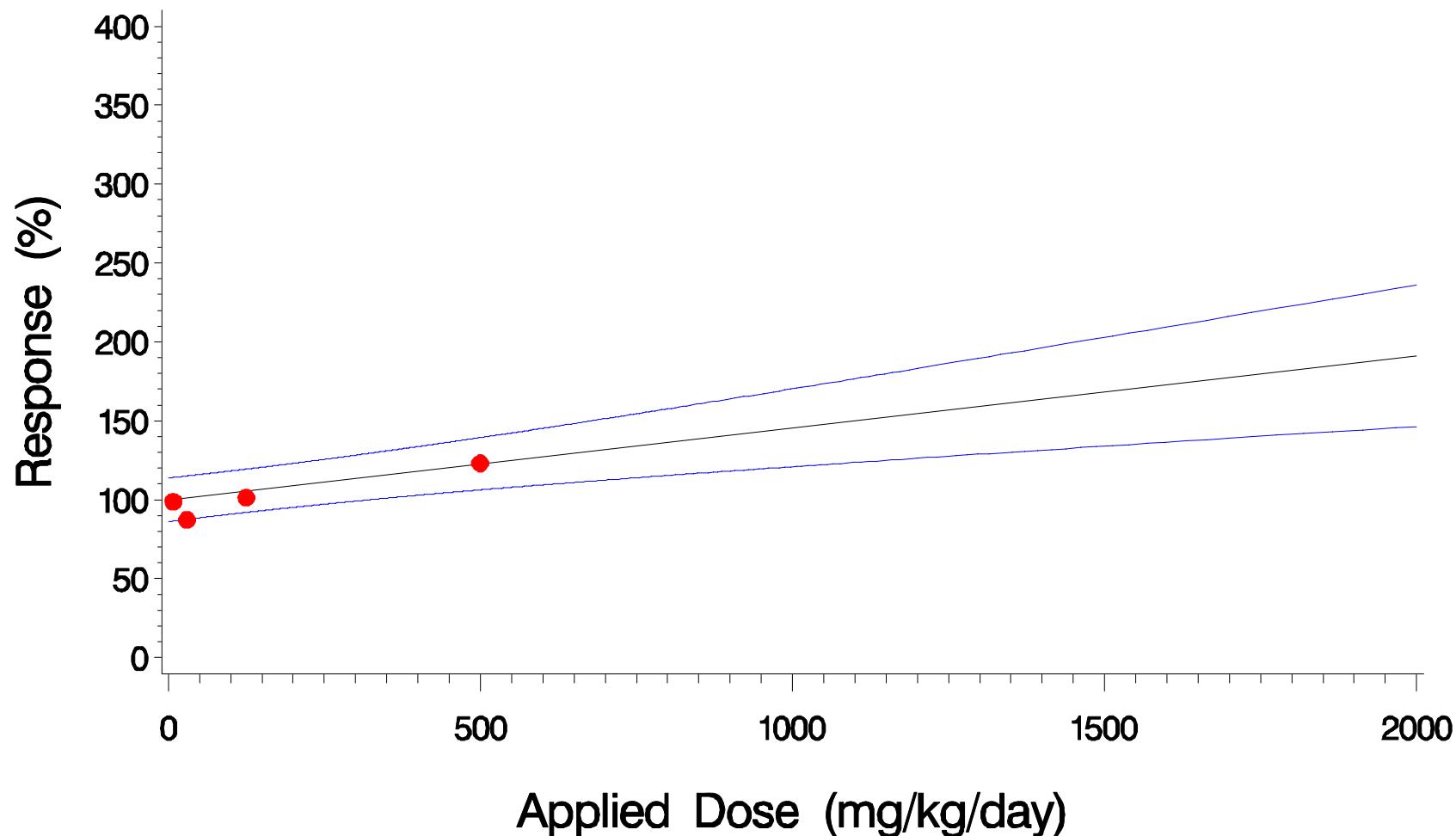
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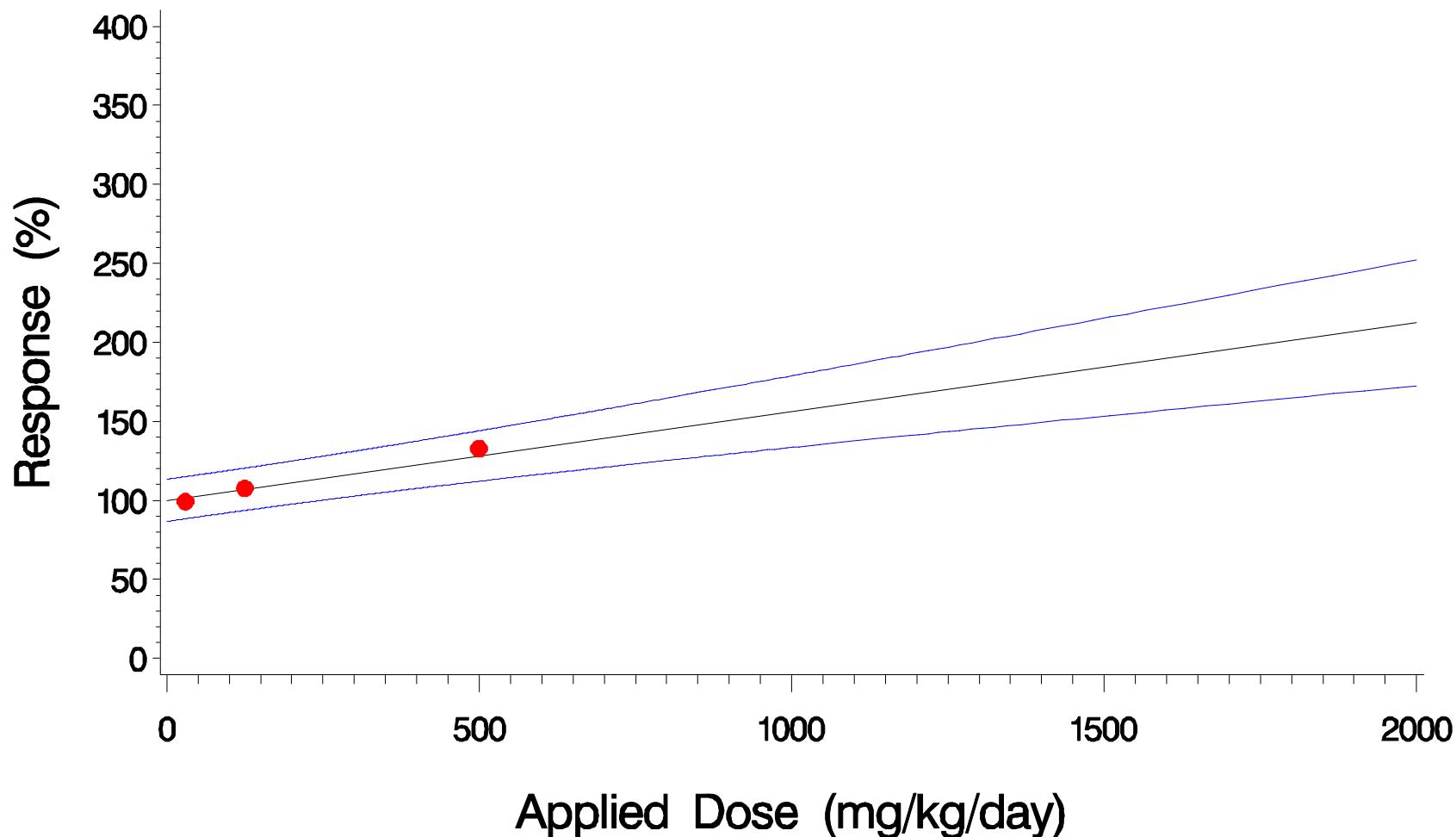
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 8281 Sex = female



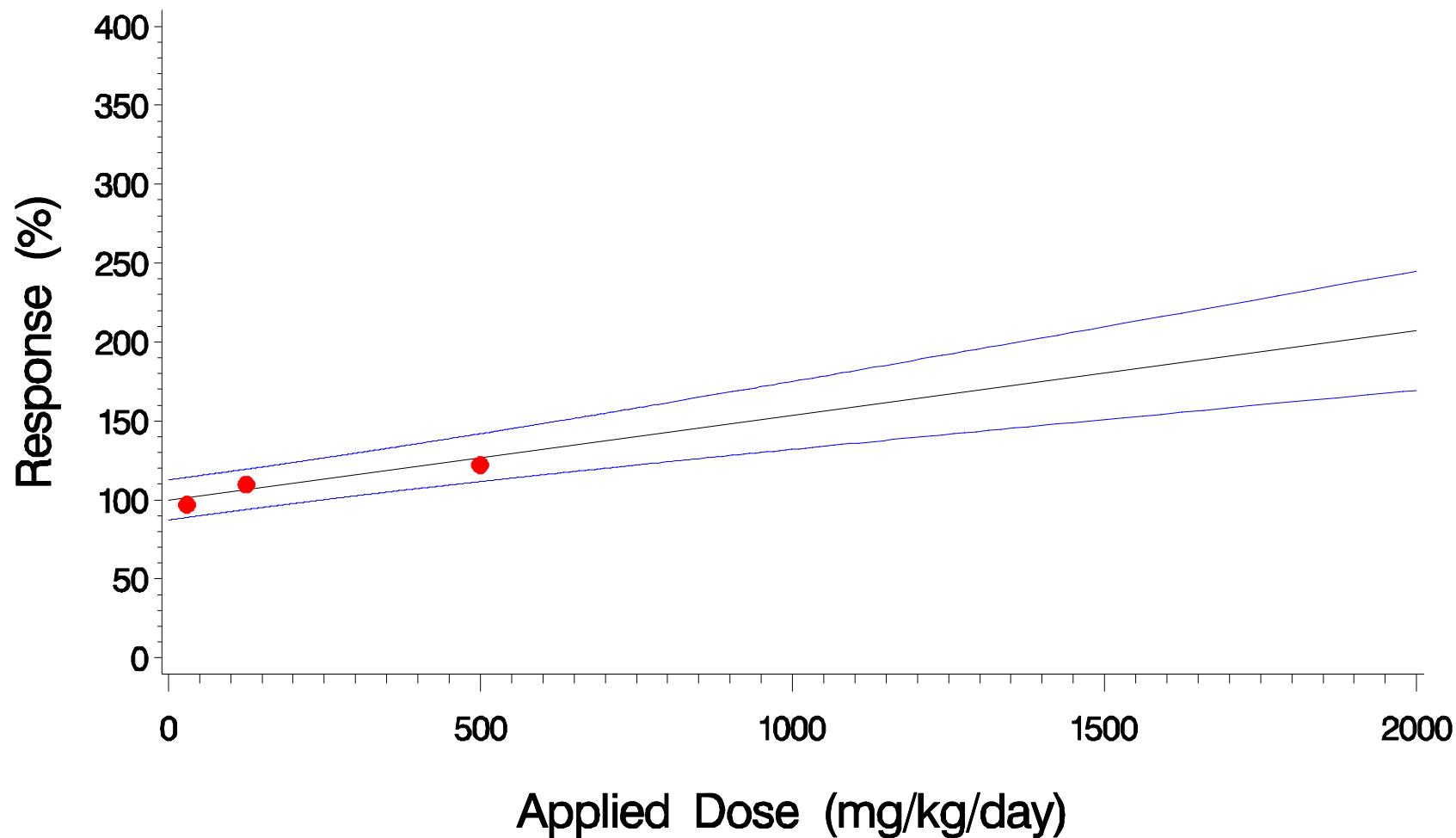
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 8281 Sex = male



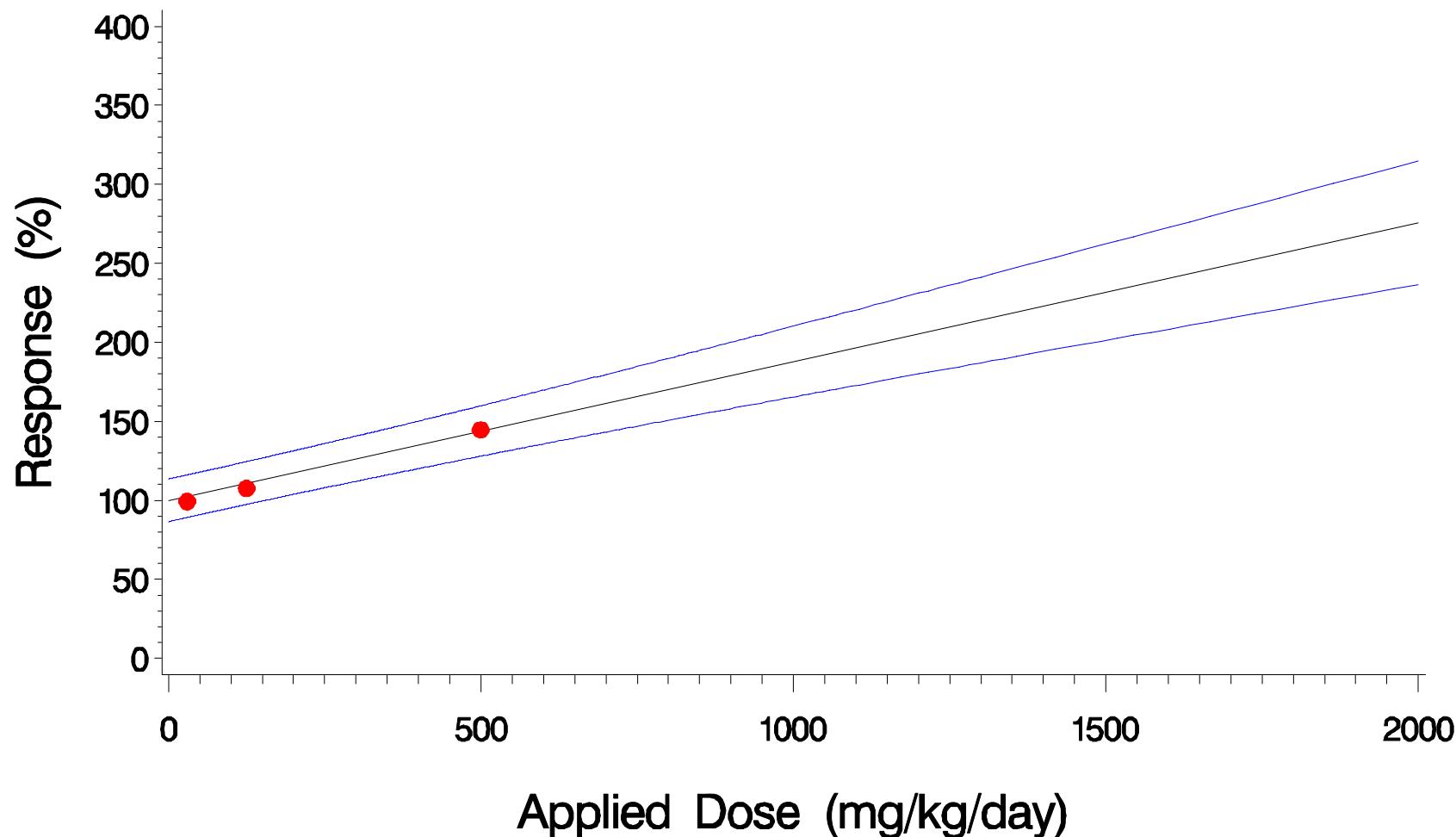
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 86270 Sex = female



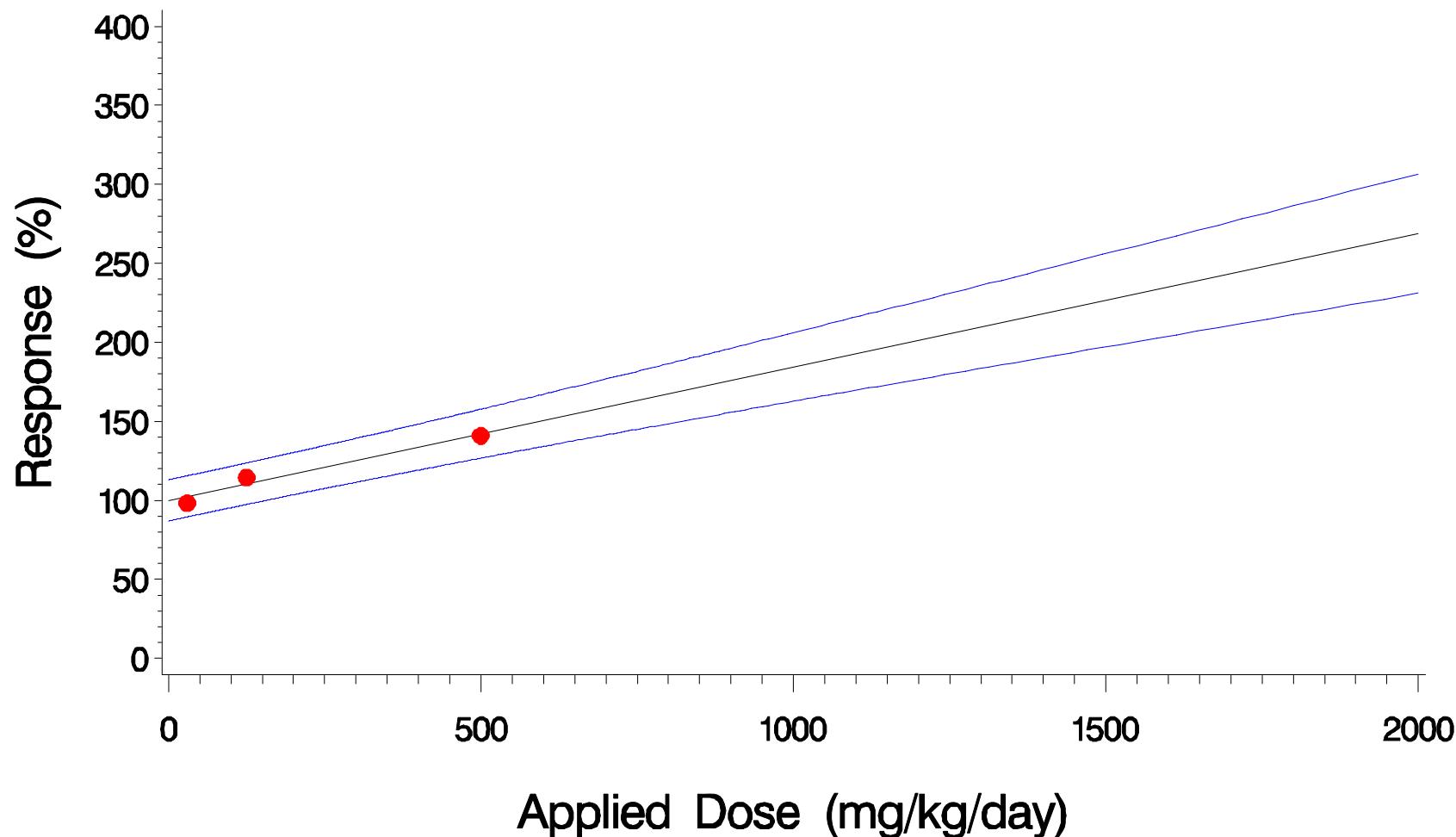
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 86270 Sex = male



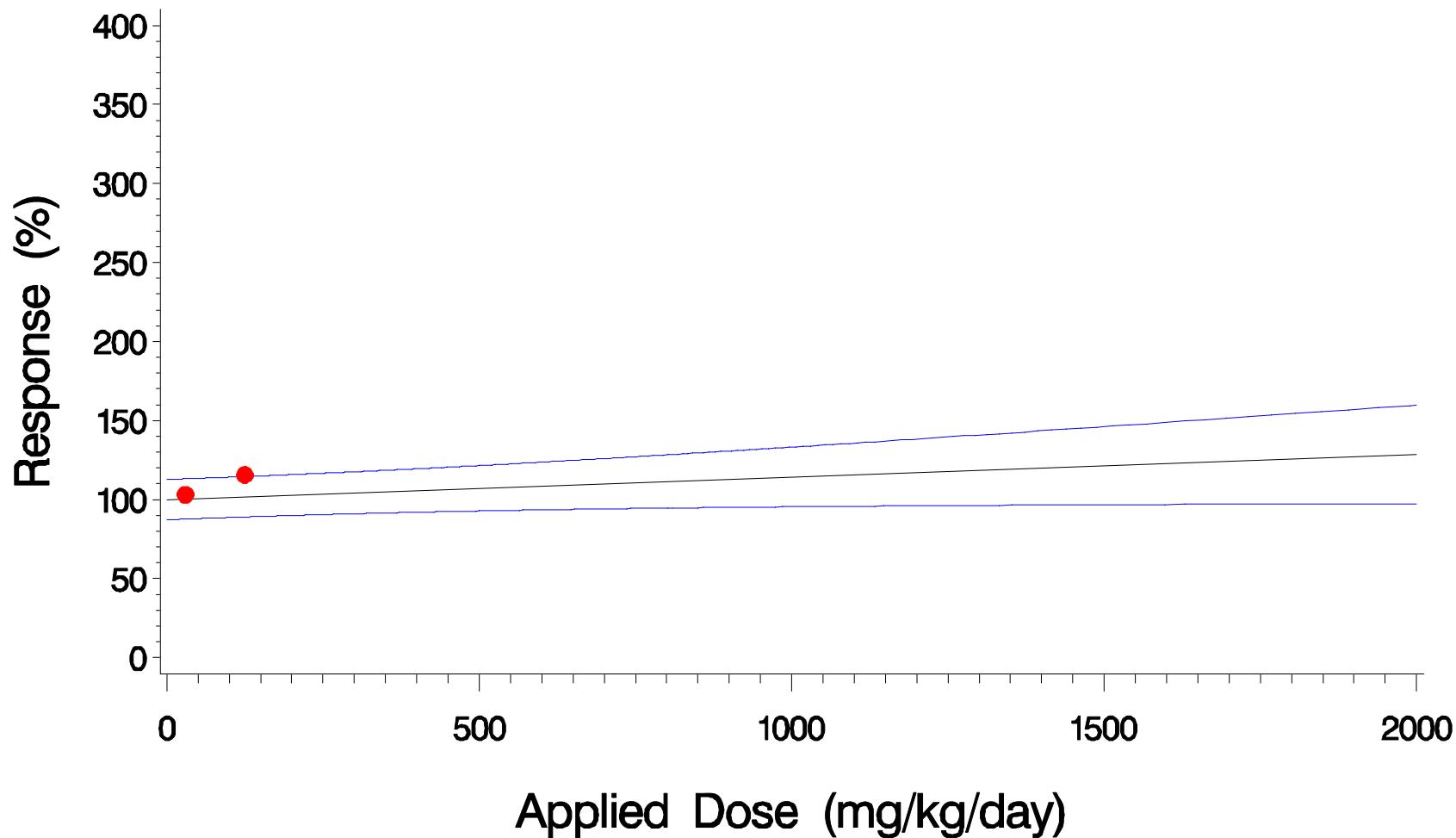
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 86271 Sex = female



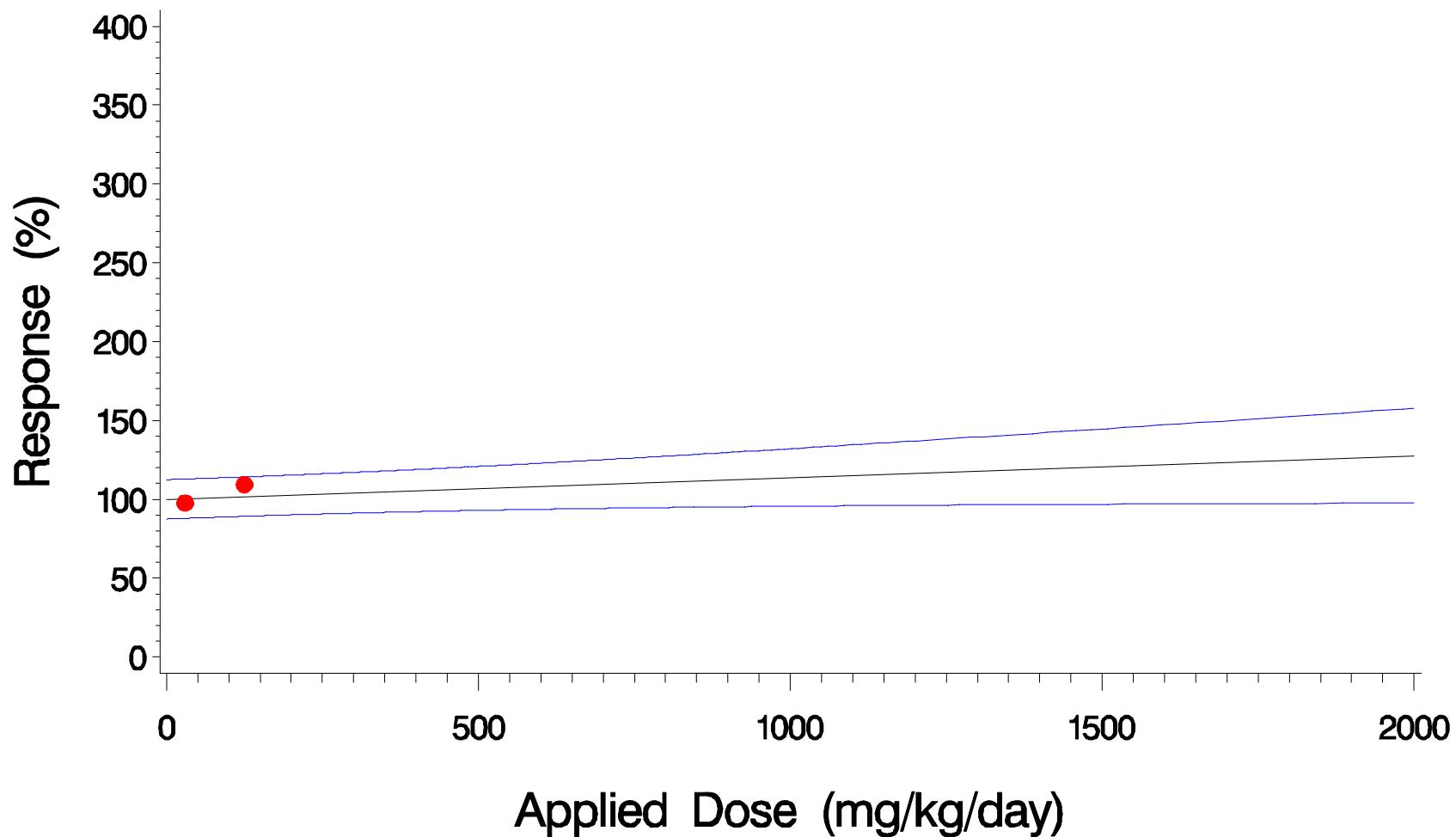
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 86271 Sex = male



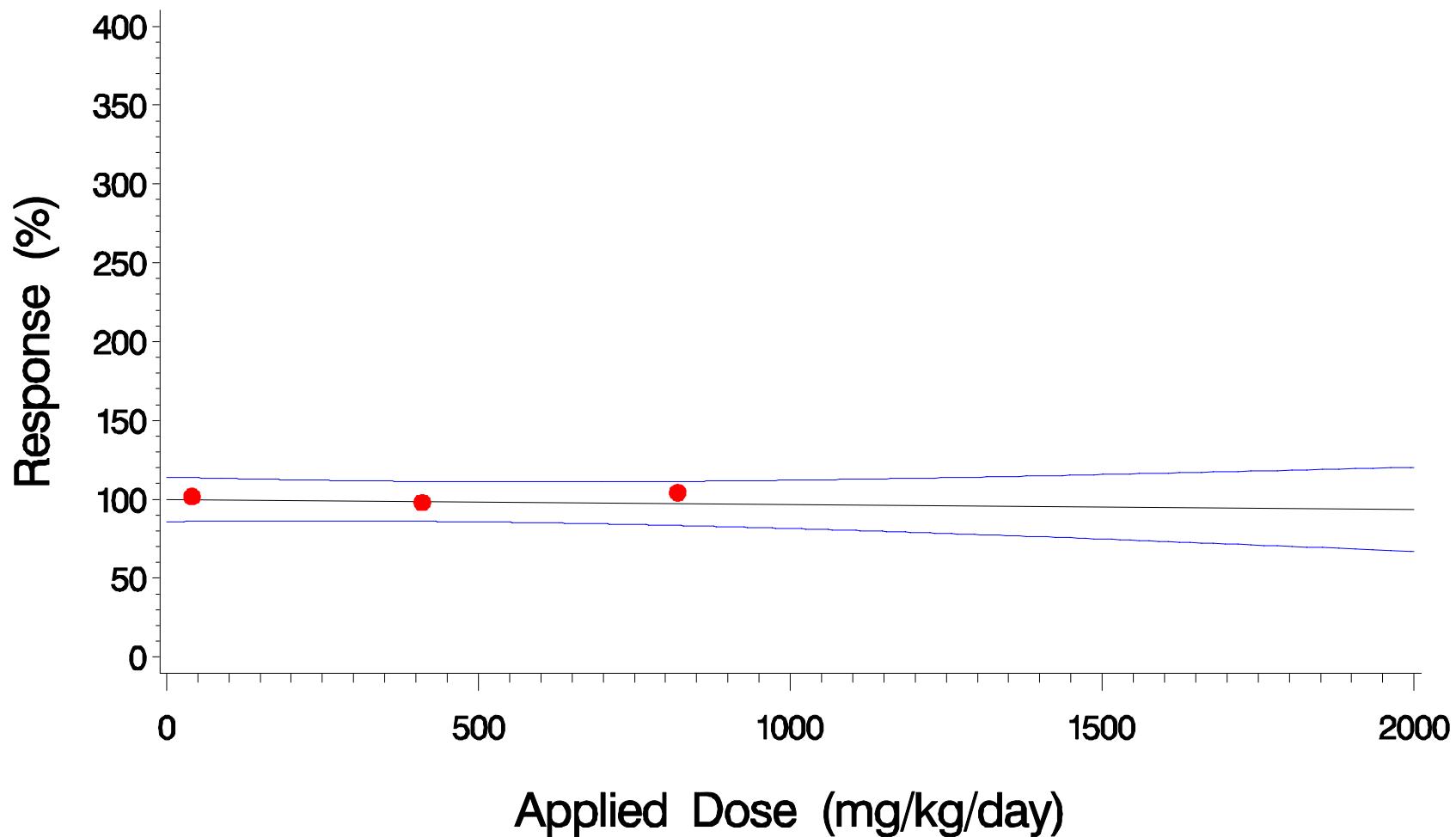
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no=87213 Sex=female



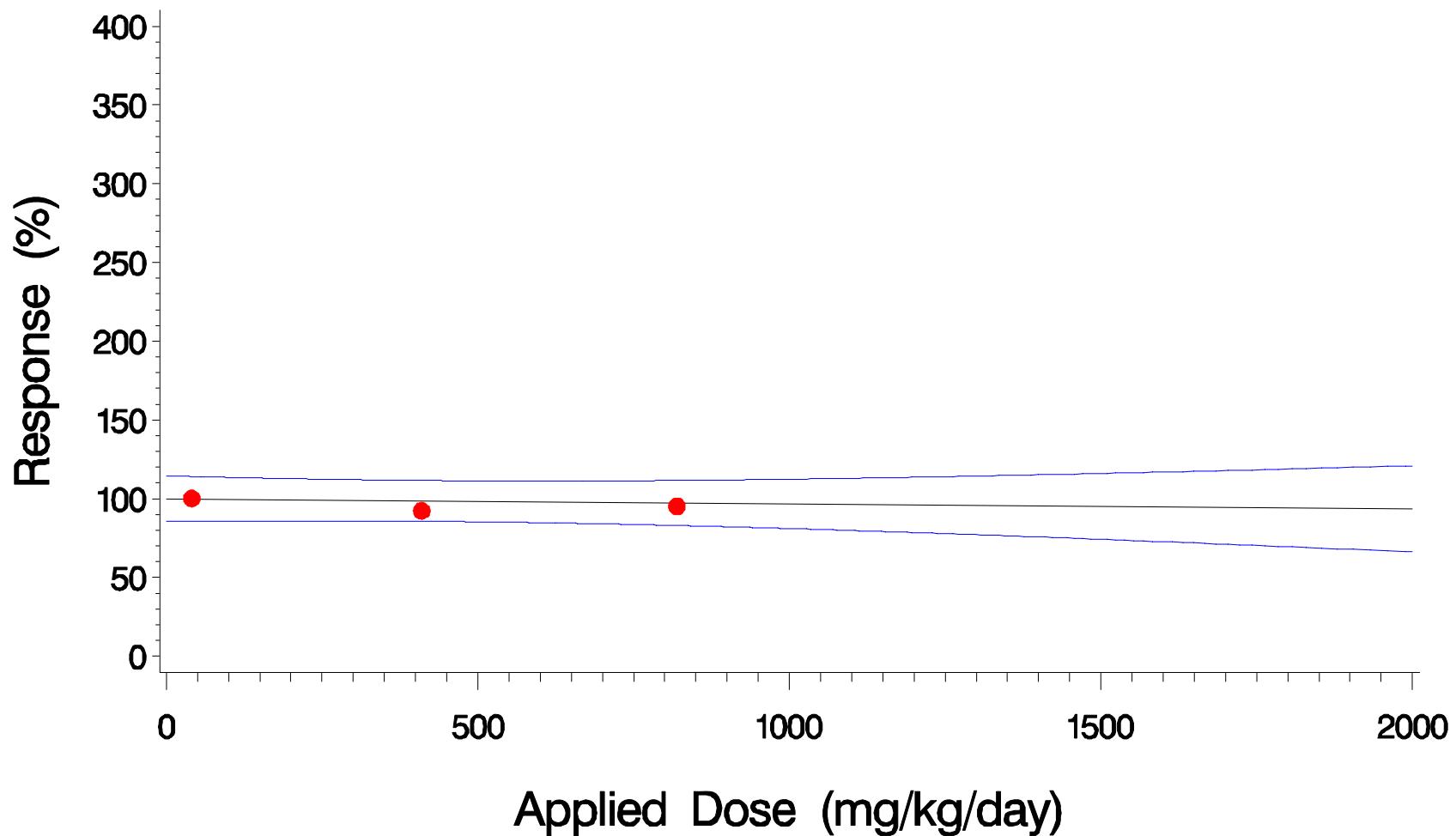
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = 87213 Sex = male



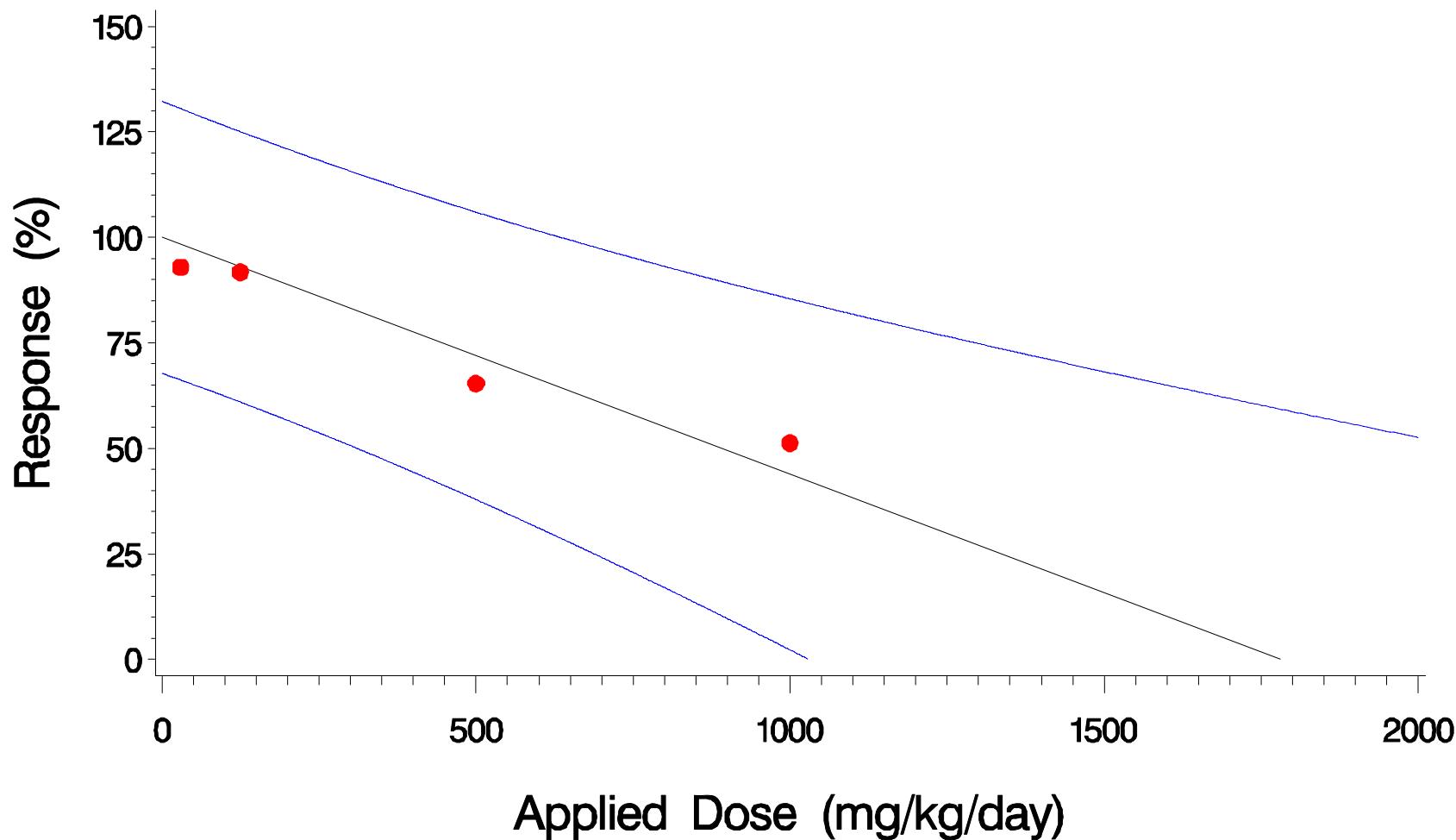
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no=F-233 Sex=female



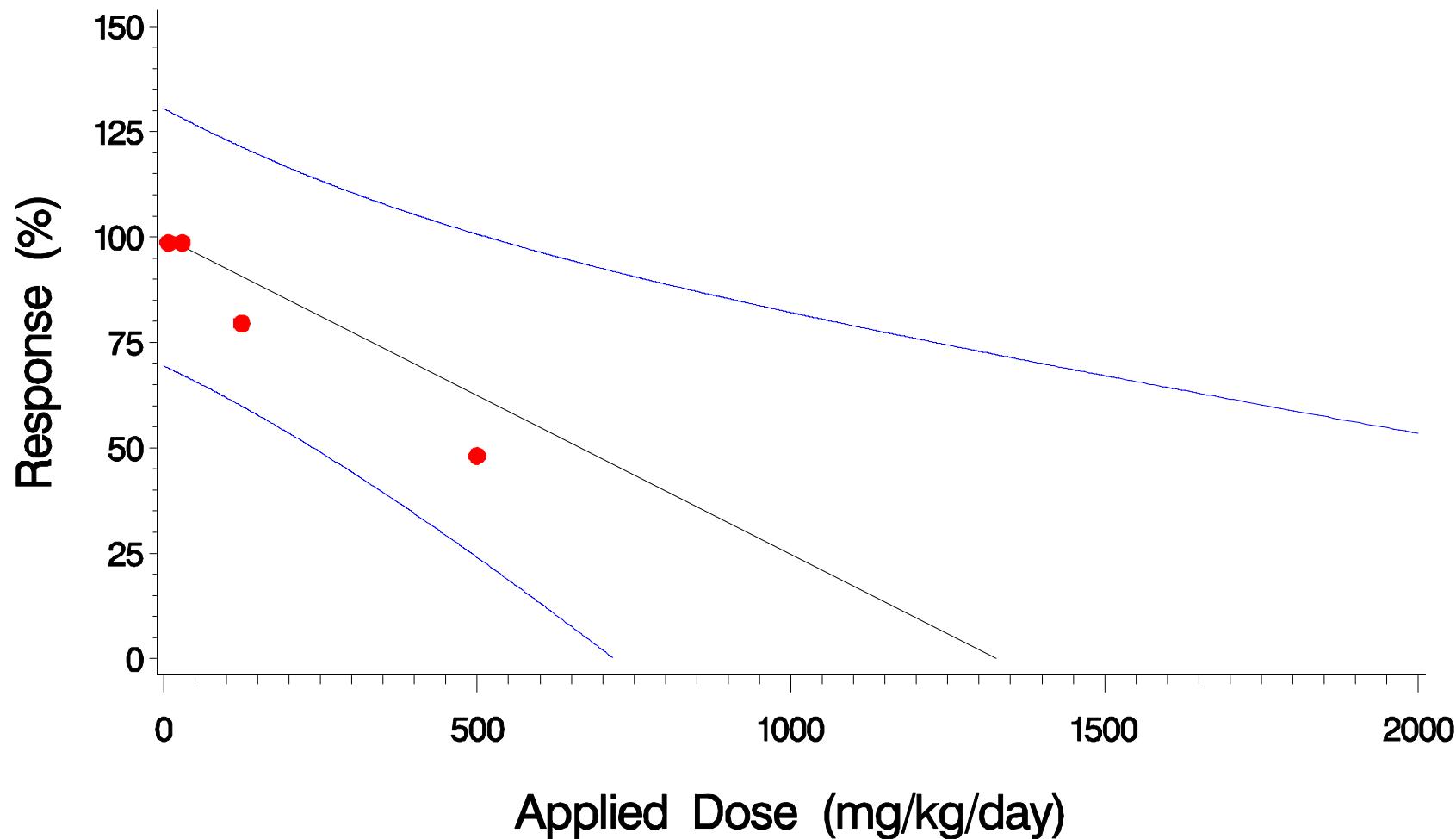
Gas Oil
Repeat Dose Liver to BW Ratio
sample_no = F - 233 Sex = male



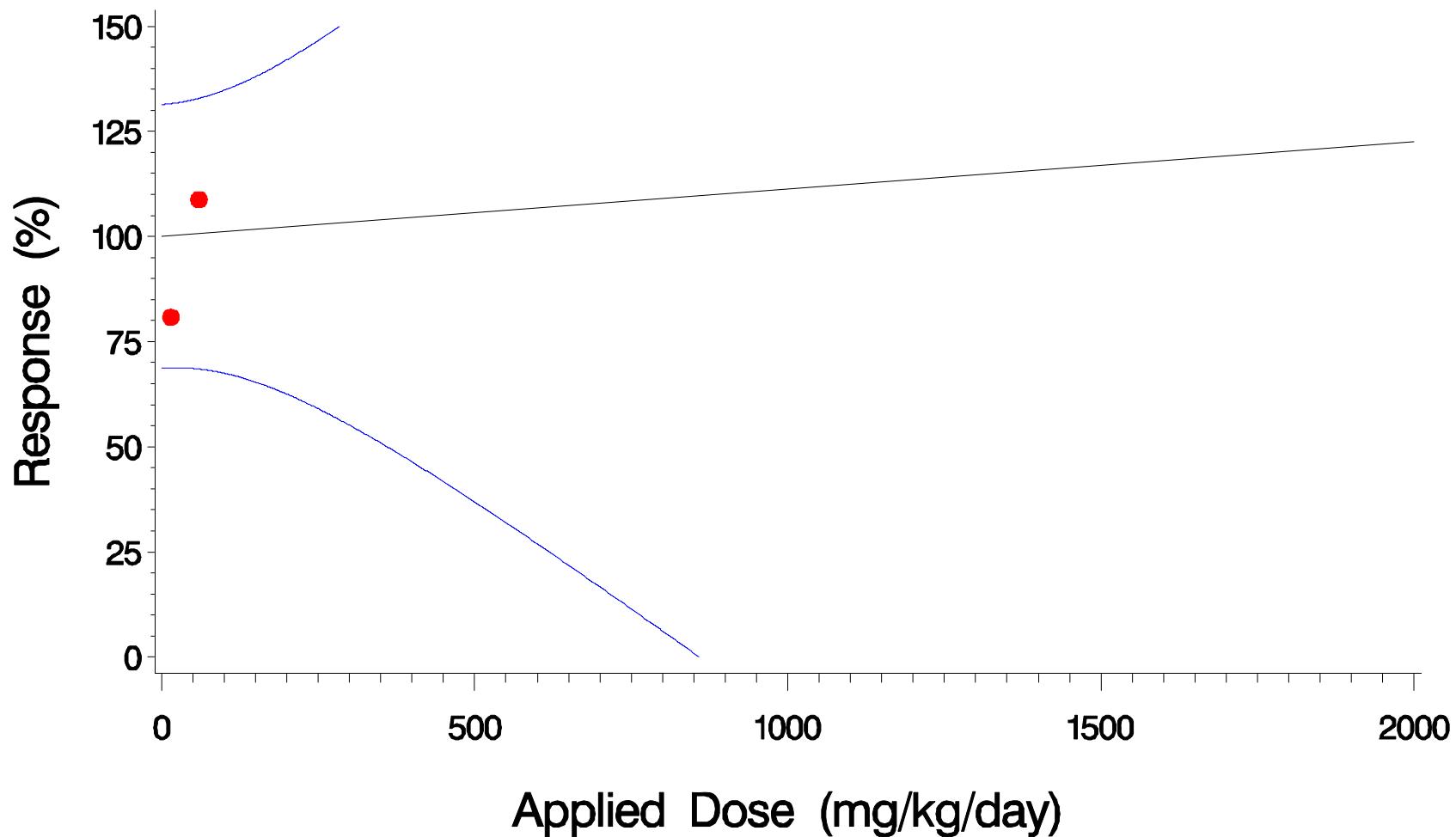
Gas Oil
Pre-natal Thymus Weight
sample_no = 86270



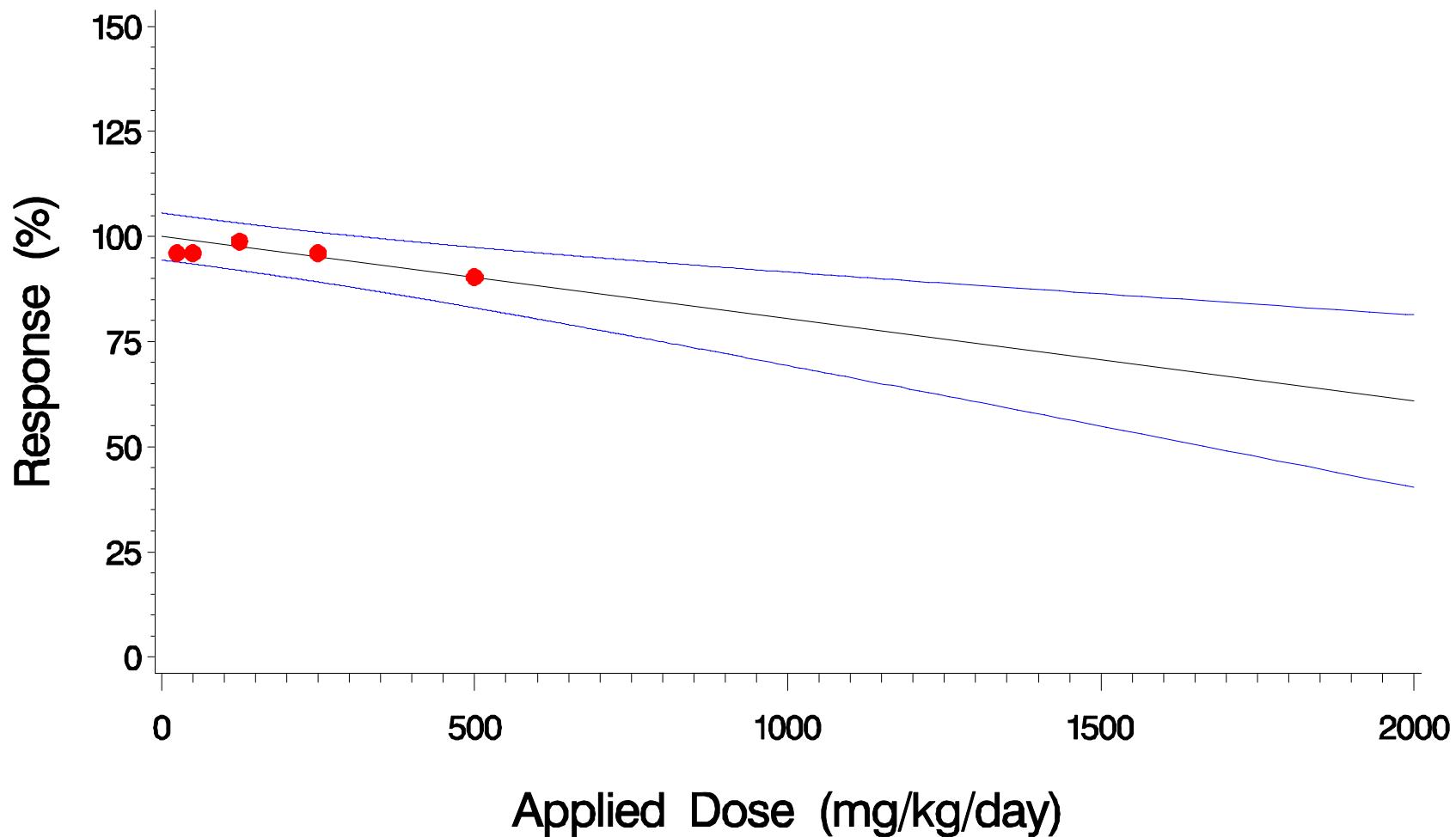
Gas Oil
Pre-natal Thymus Weight
sample_no = 86271



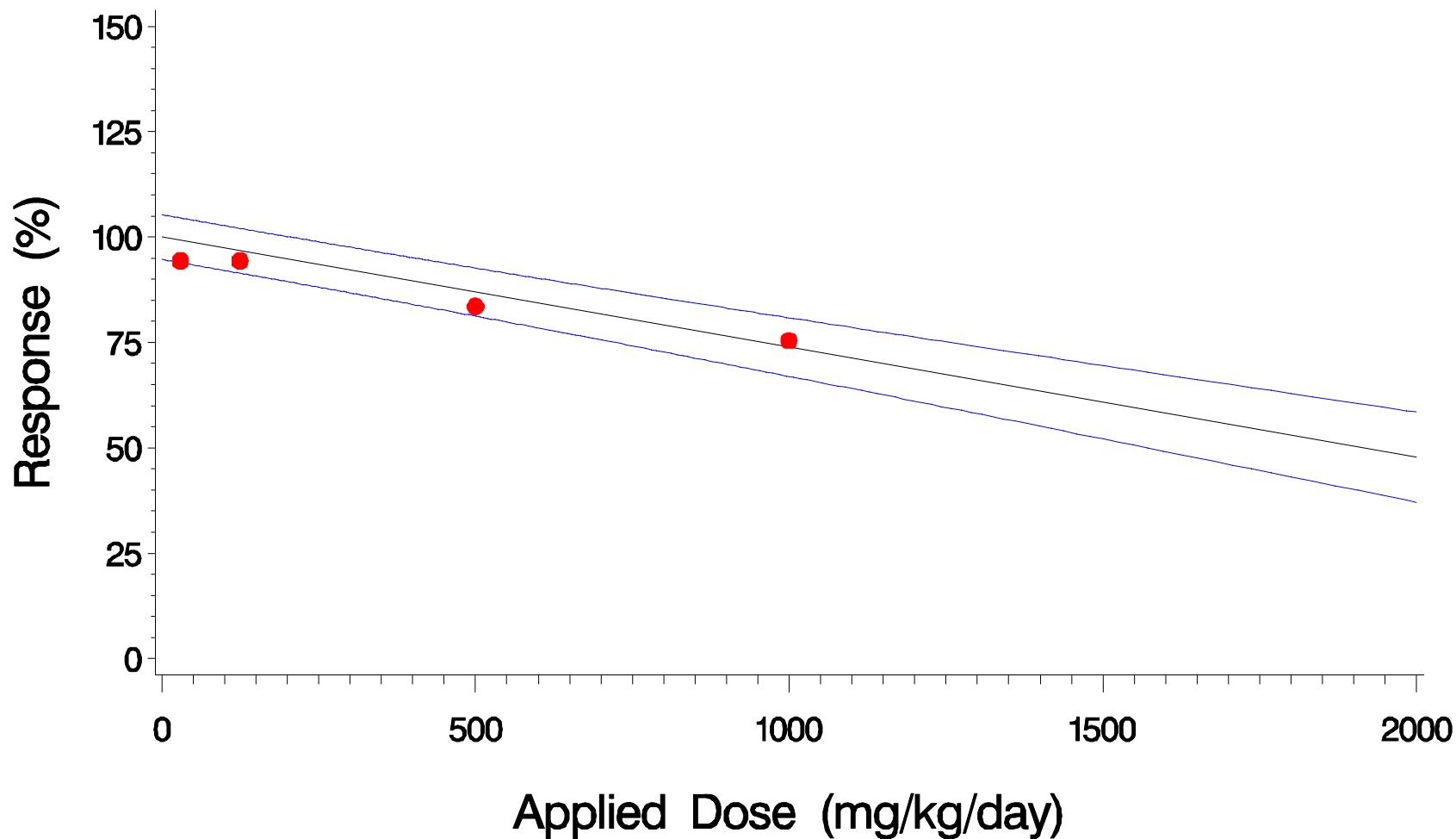
Gas Oil
Pre-natal Thymus Weight
sample_no = 87213



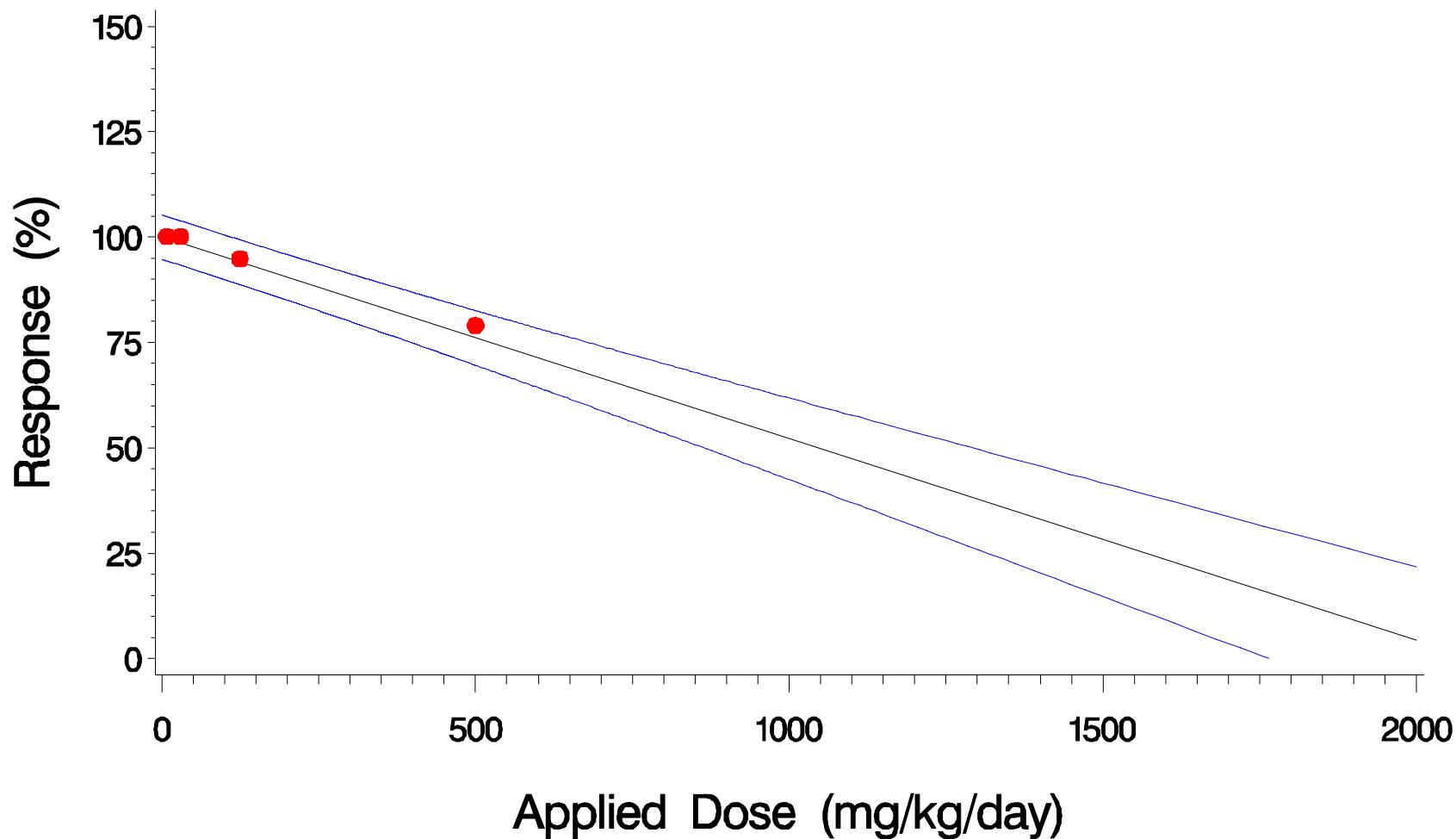
Gas Oil
Pre-natal Fetal Weight
sample_no = 8281



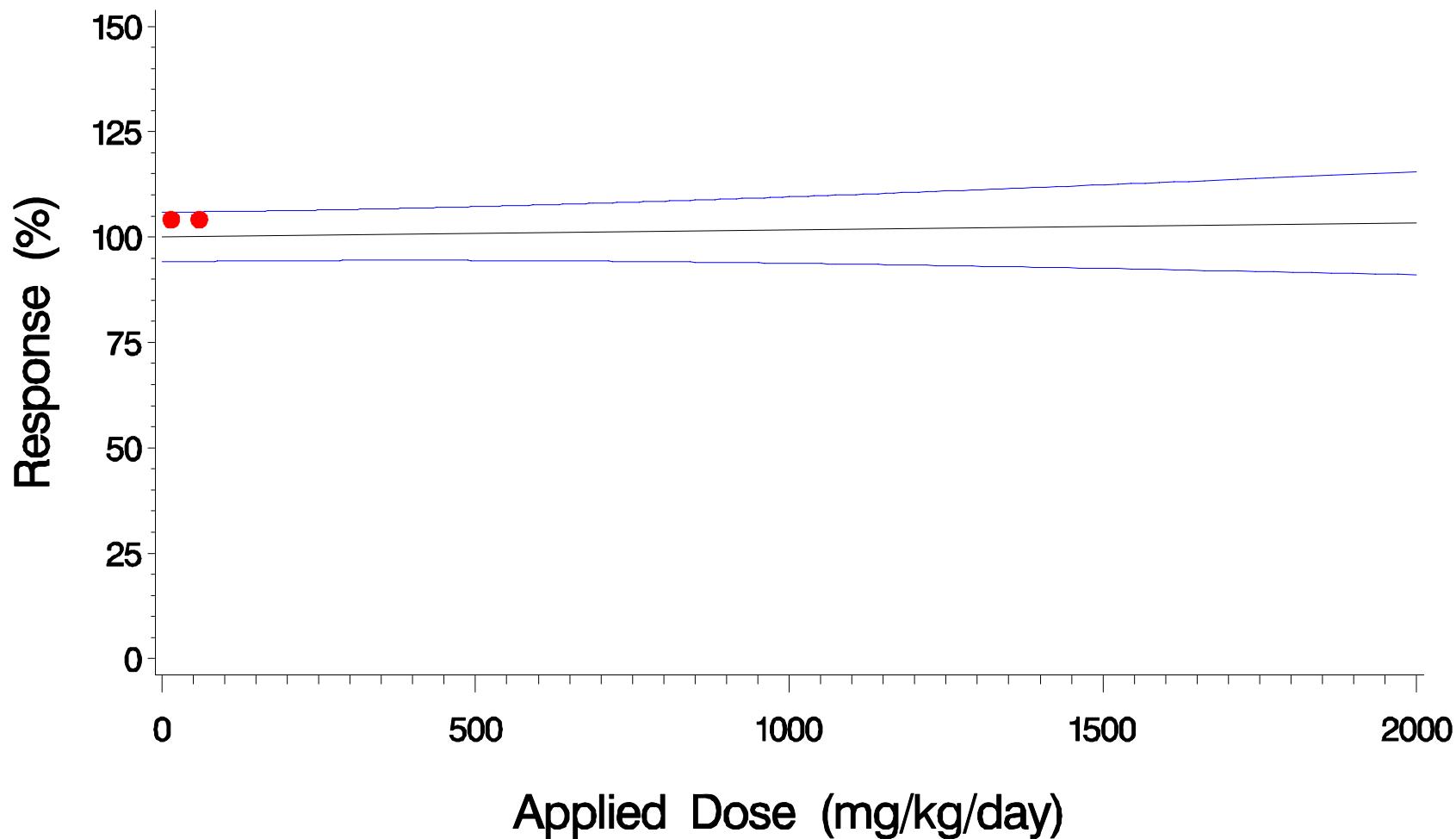
Gas Oil
Pre-natal Fetal Weight
sample_no = 86270



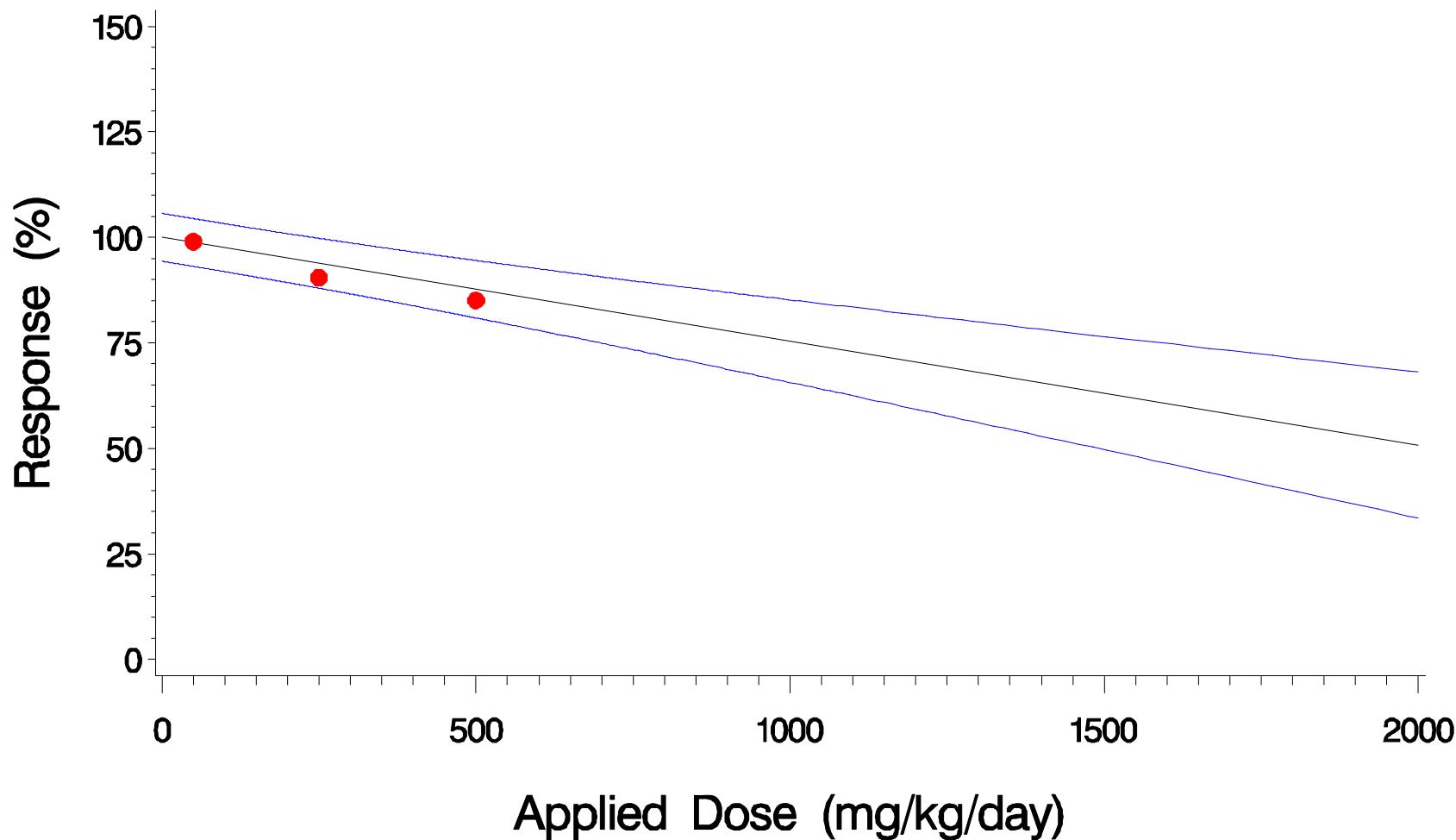
Gas Oil
Pre-natal Fetal Weight
sample_no = 86271



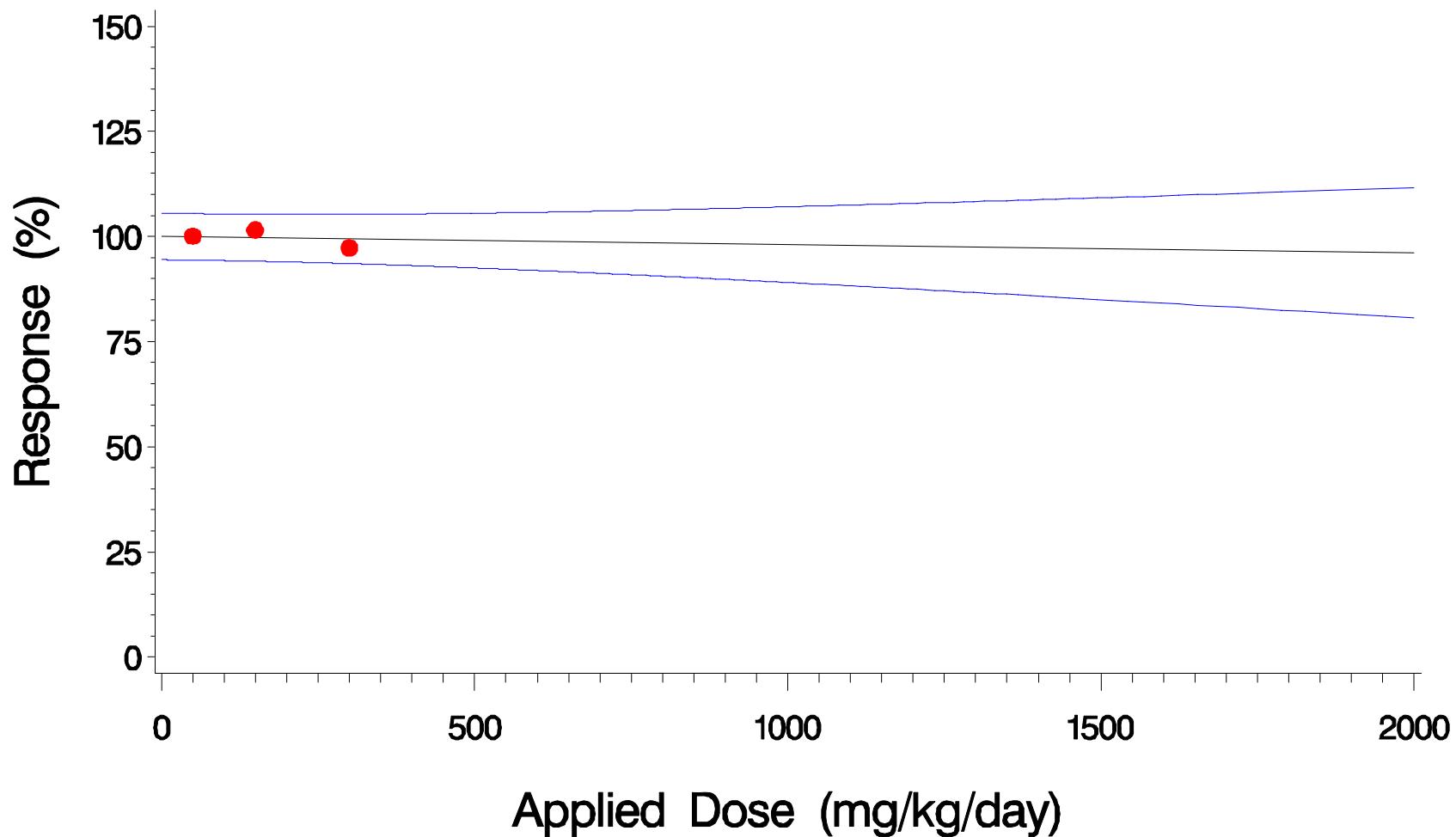
Gas Oil
Pre-natal Fetal Weight
sample_no = 87213



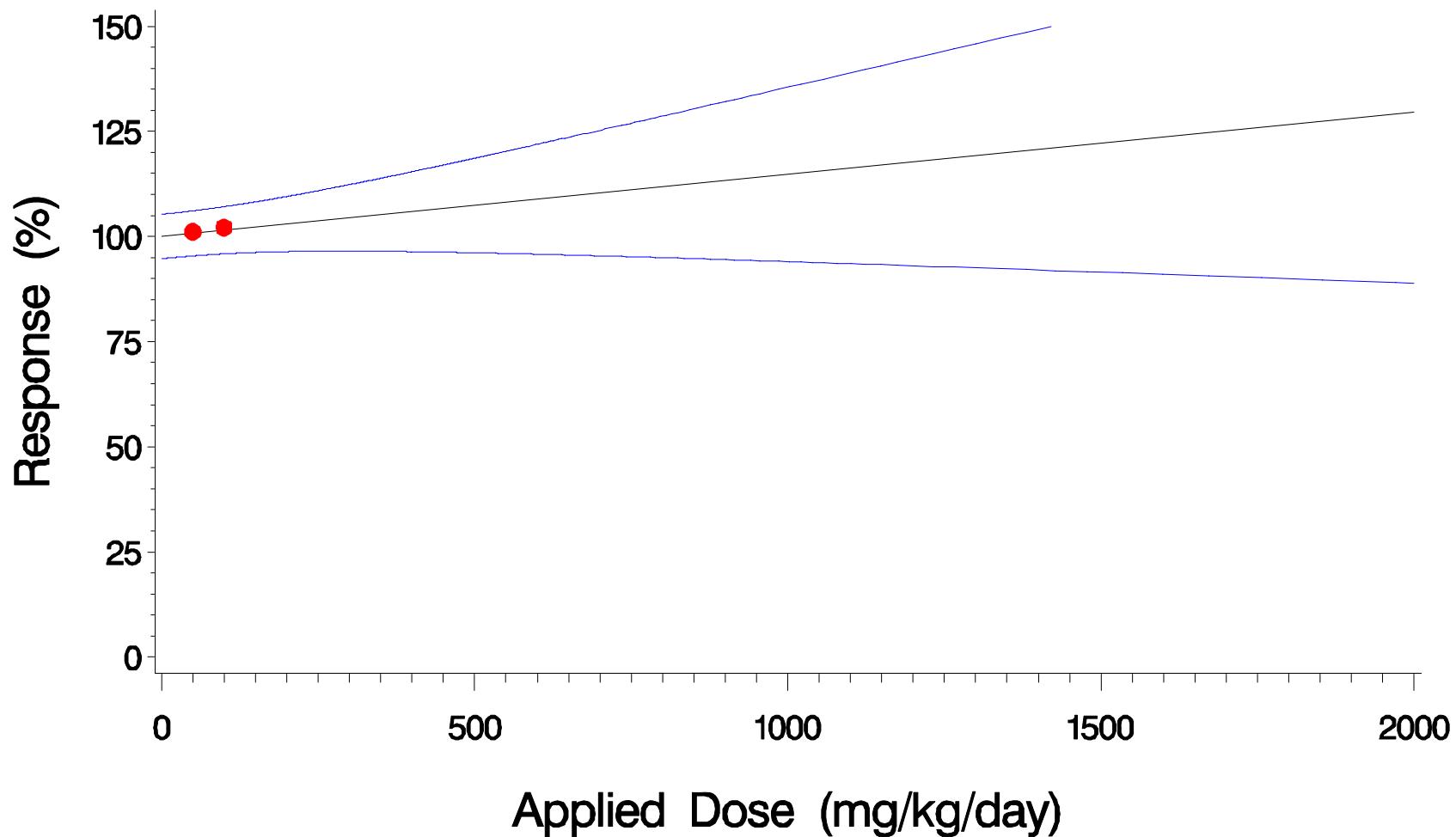
Gas Oil
Pre-natal Fetal Weight
sample_no = F - 193



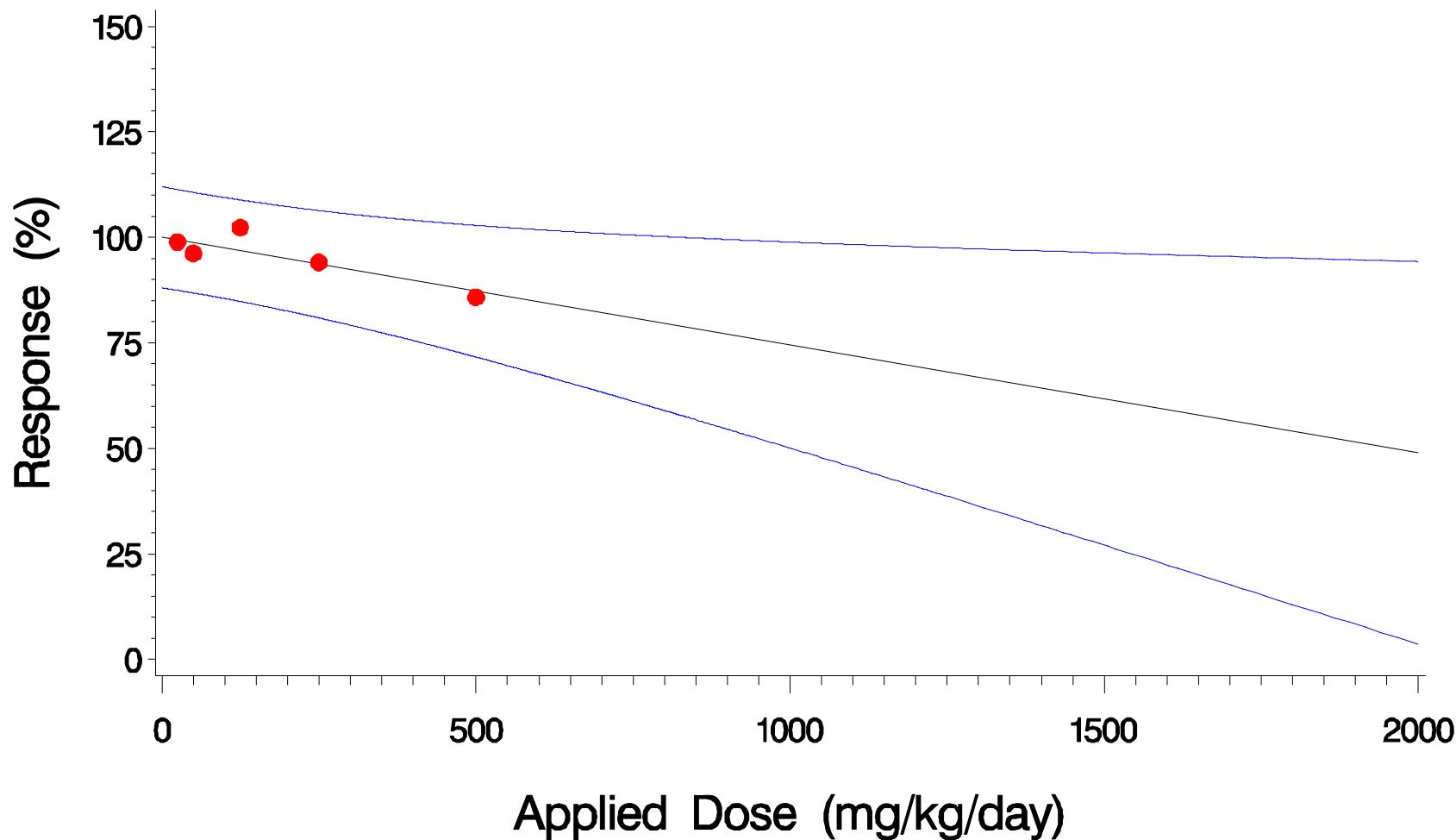
Gas Oil
Pre-natal Fetal Weight
sample_no = F - 195



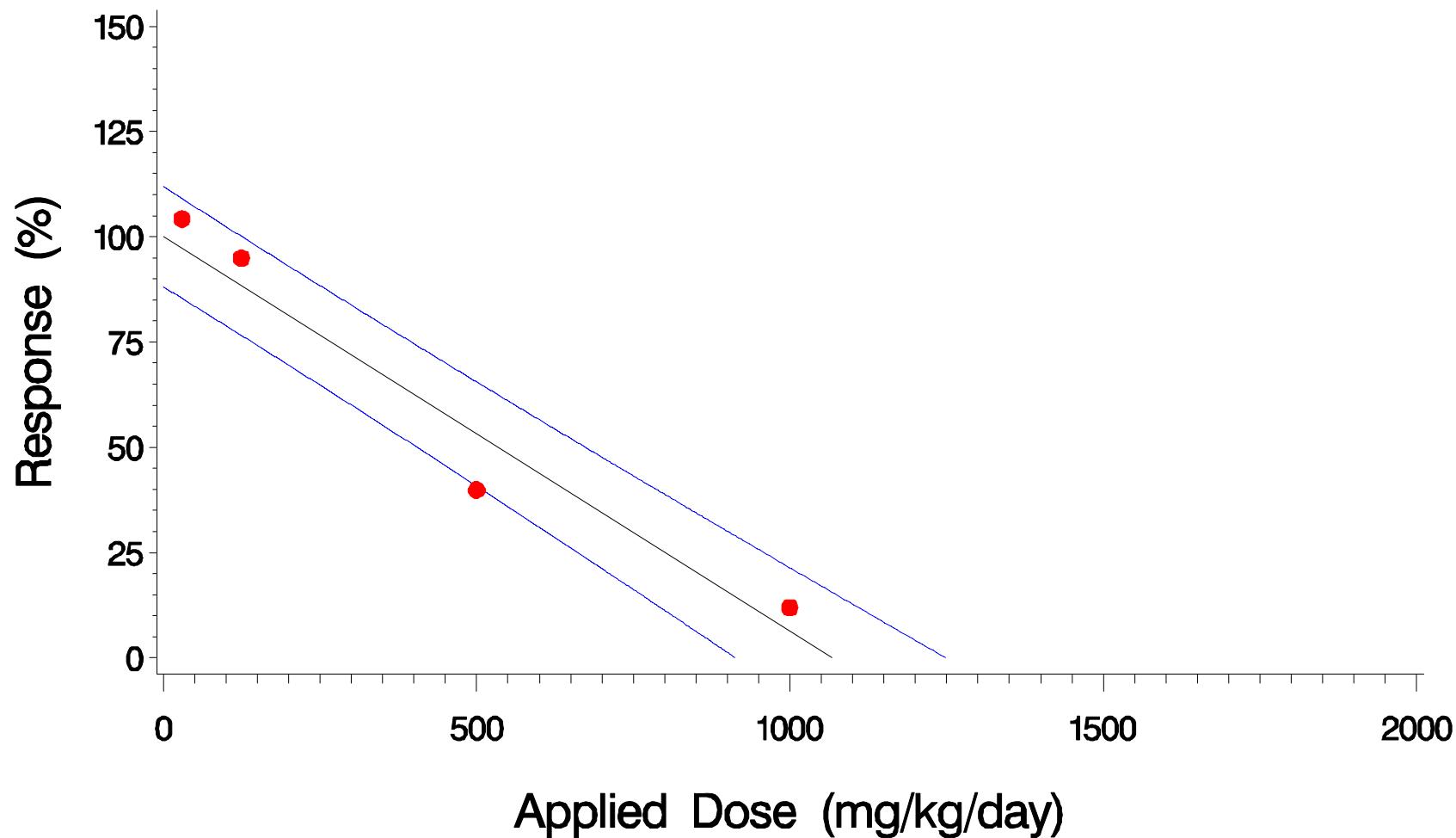
Gas Oil
Pre-natal Fetal Weight
sample_no = F - 199



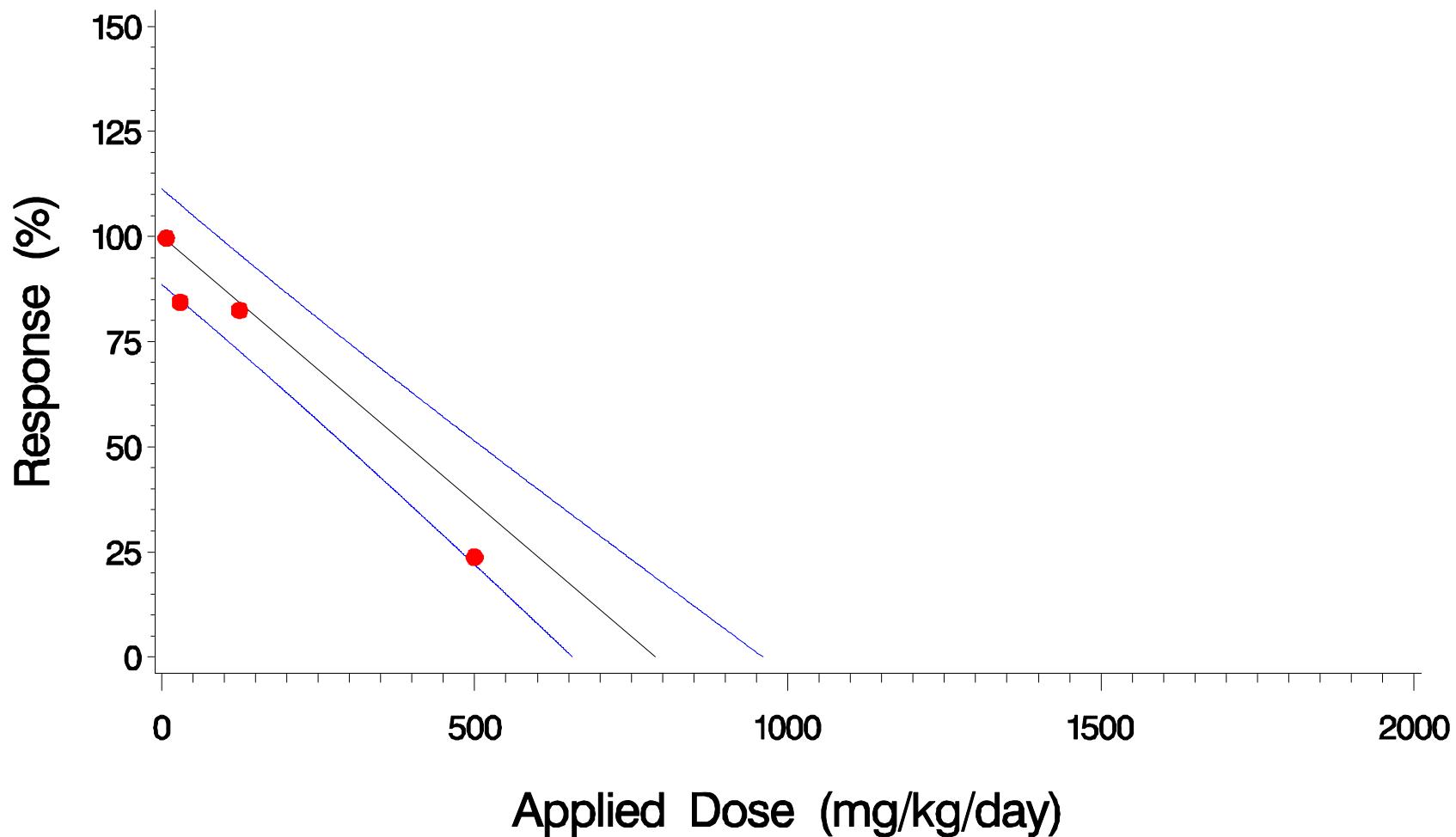
Gas Oil
Pre-natal Live Fetuses
sample_no = 8281



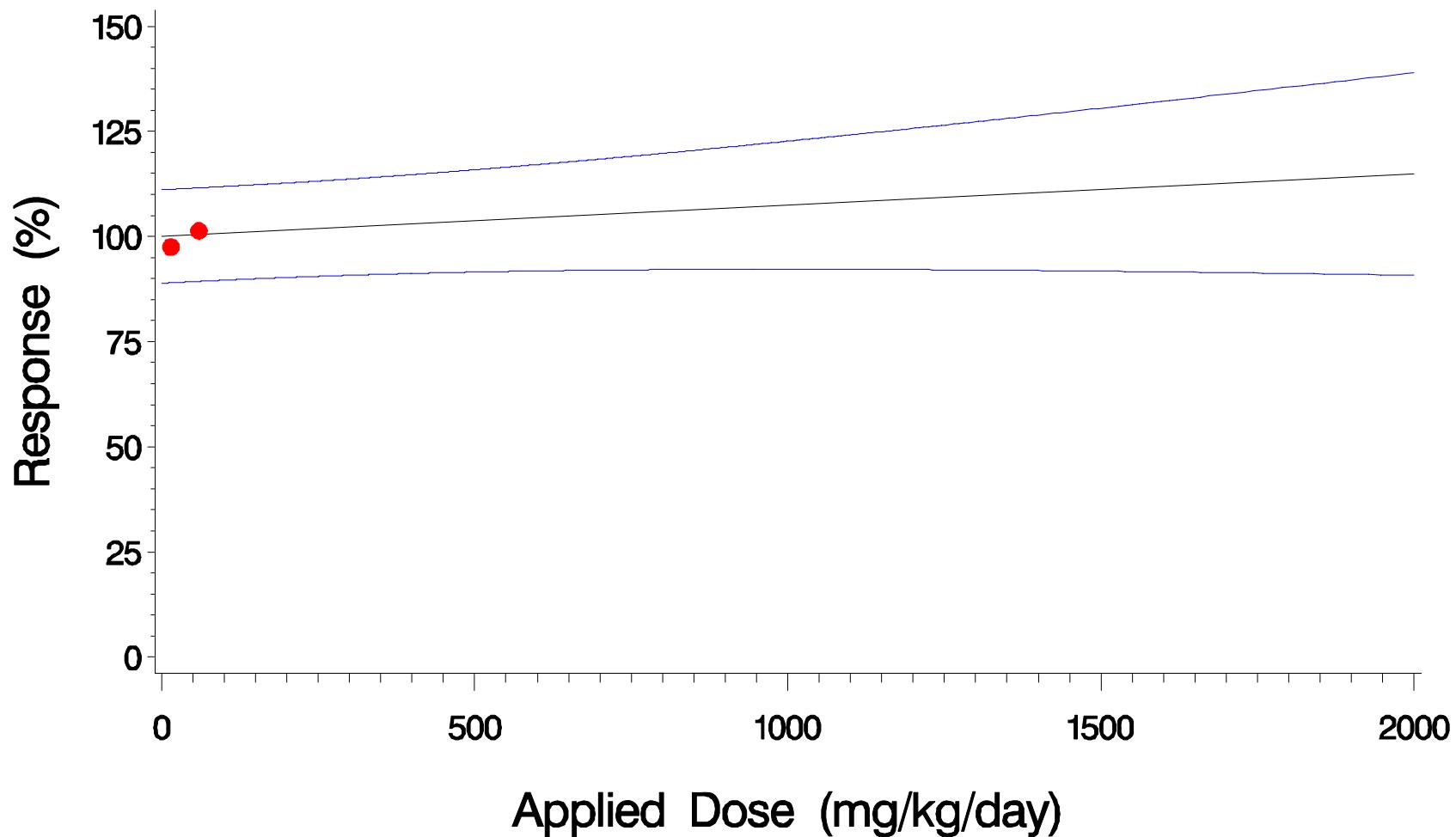
Gas Oil
Pre-natal Live Fetuses
sample_no = 86270



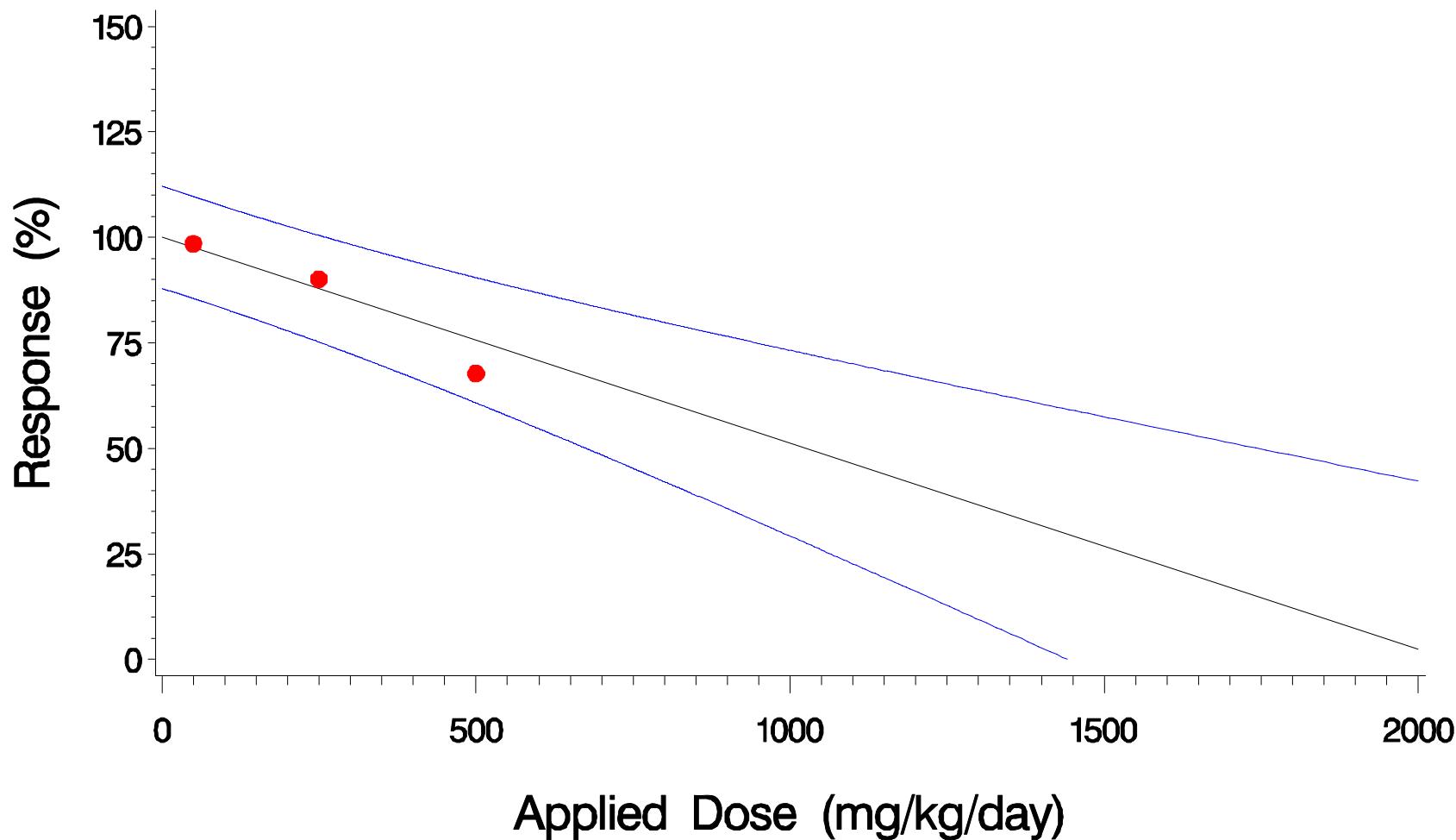
Gas Oil
Pre-natal Live Fetuses
sample_no = 86271



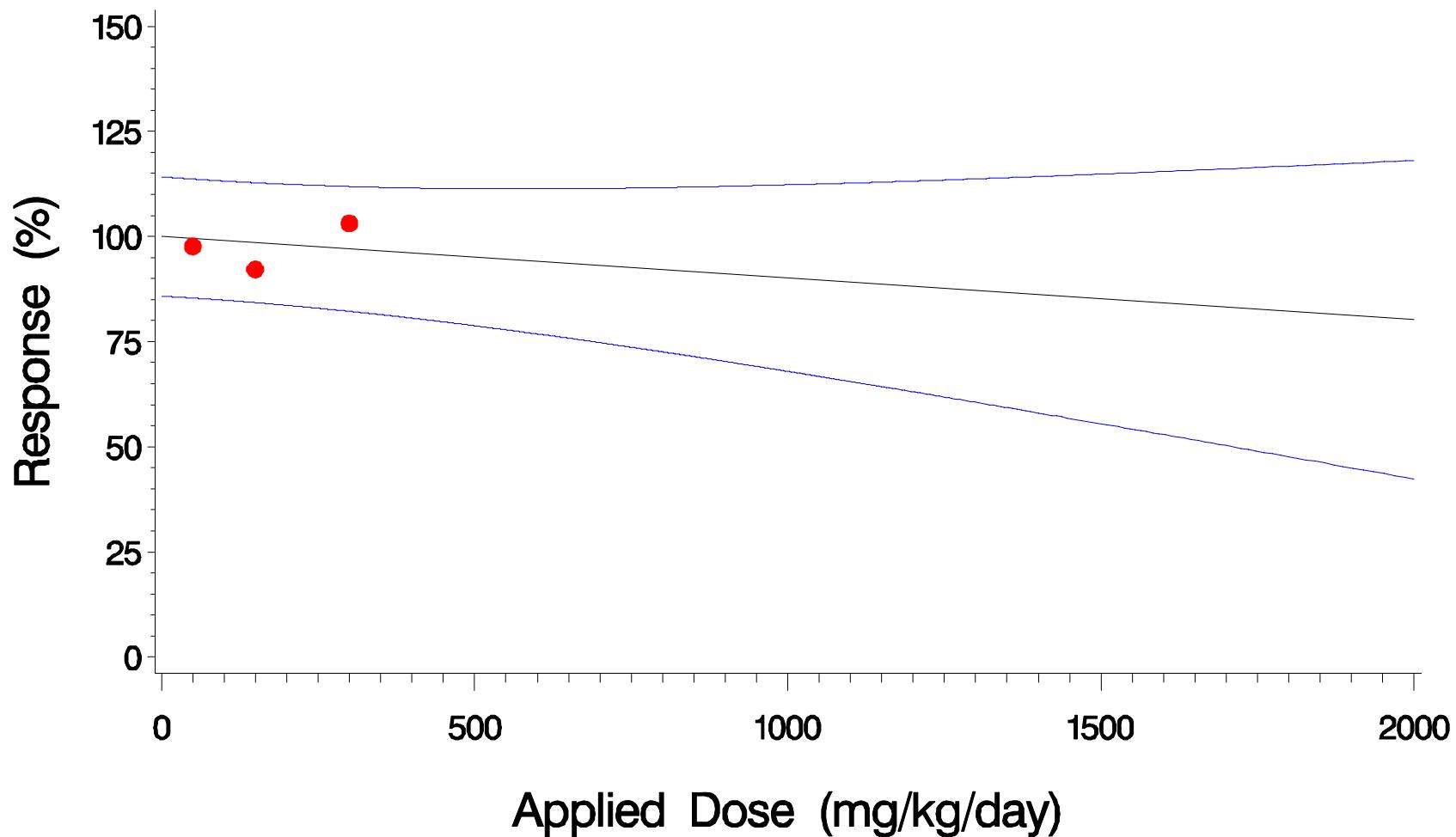
Gas Oil
Pre-natal Live Fetuses
sample_no = 87213



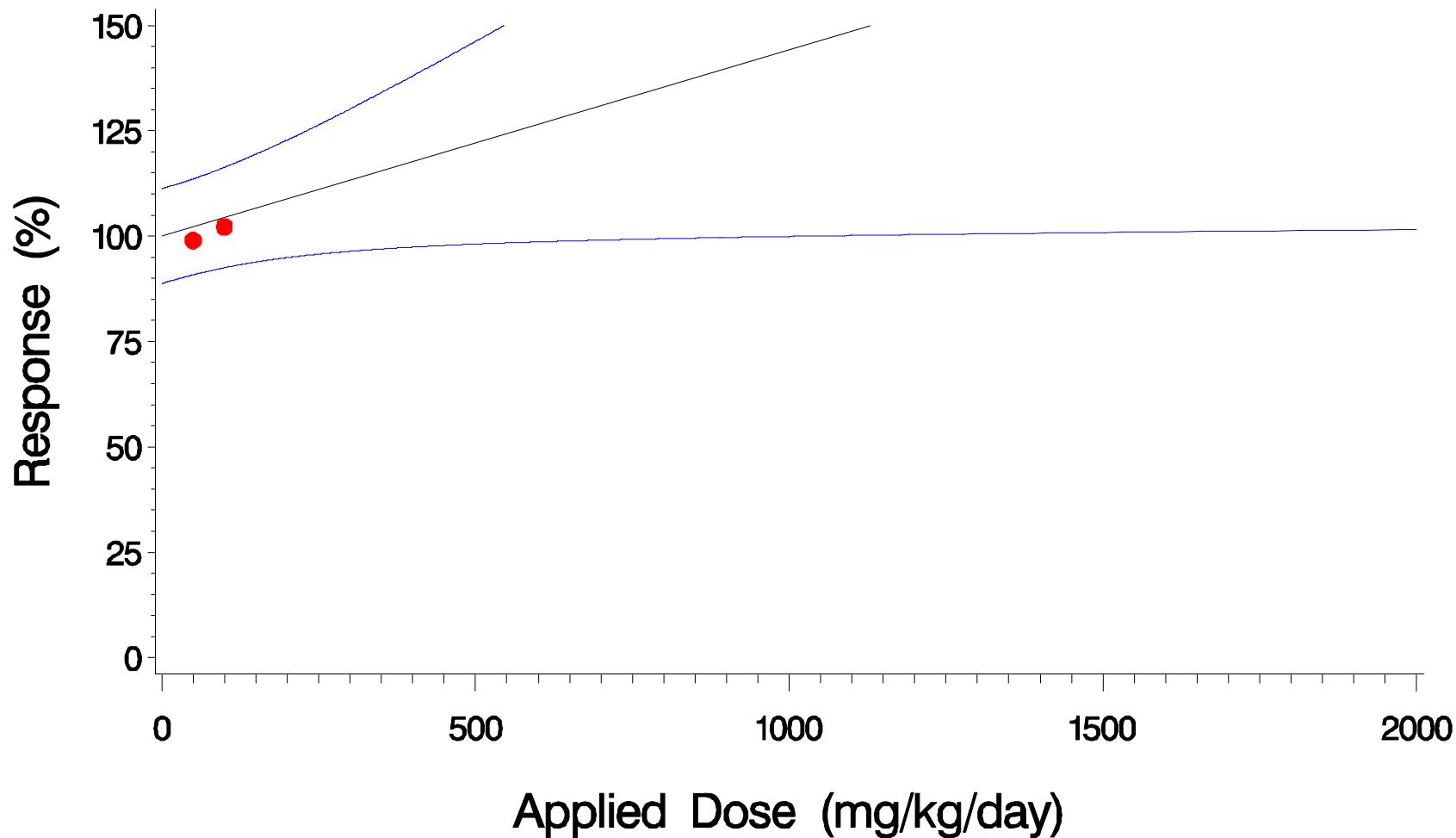
Gas Oil
Pre-natal Live Fetuses
sample_no = F - 193



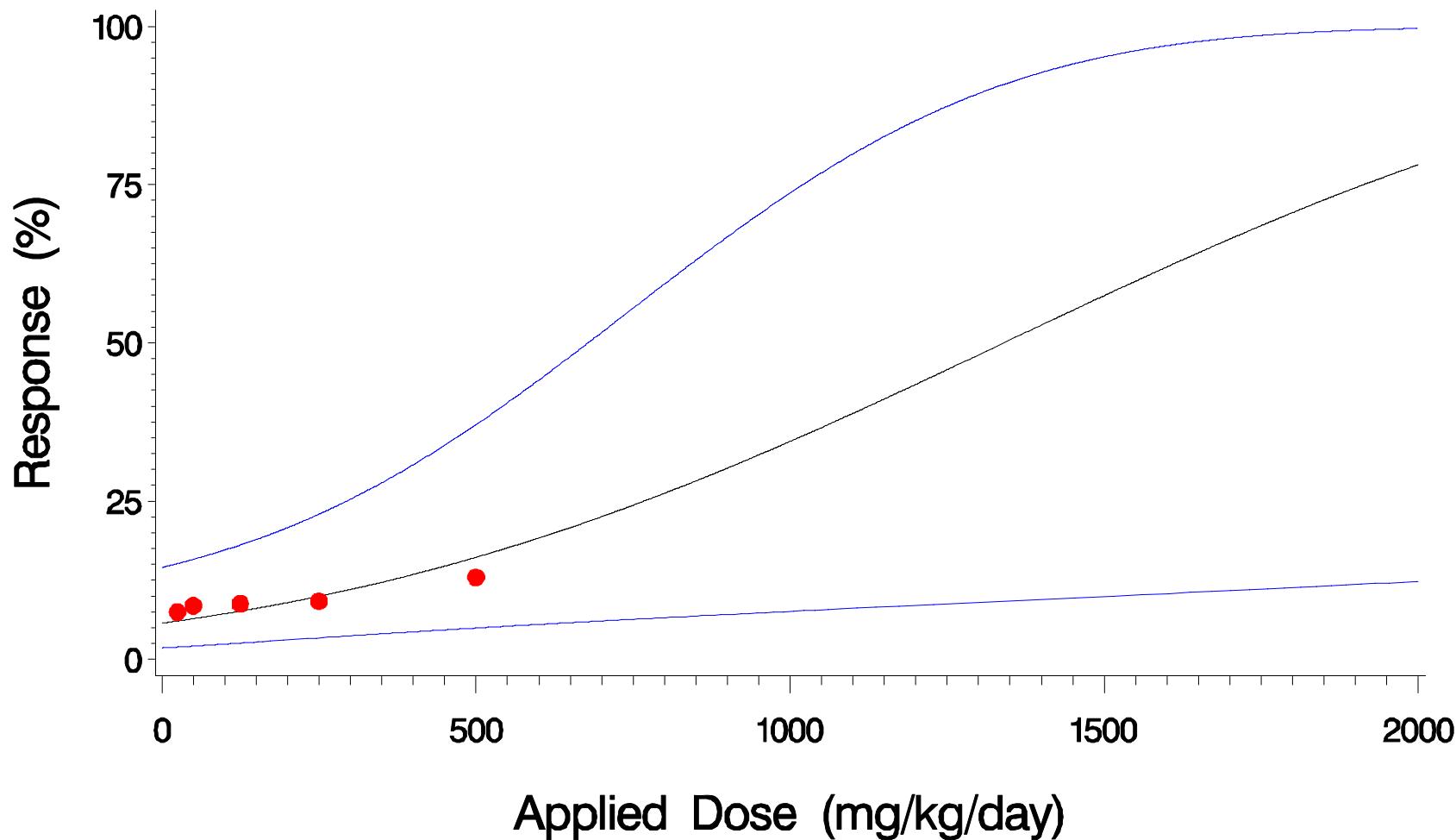
Gas Oil
Pre-natal Live Fetuses
sample_no = F - 195



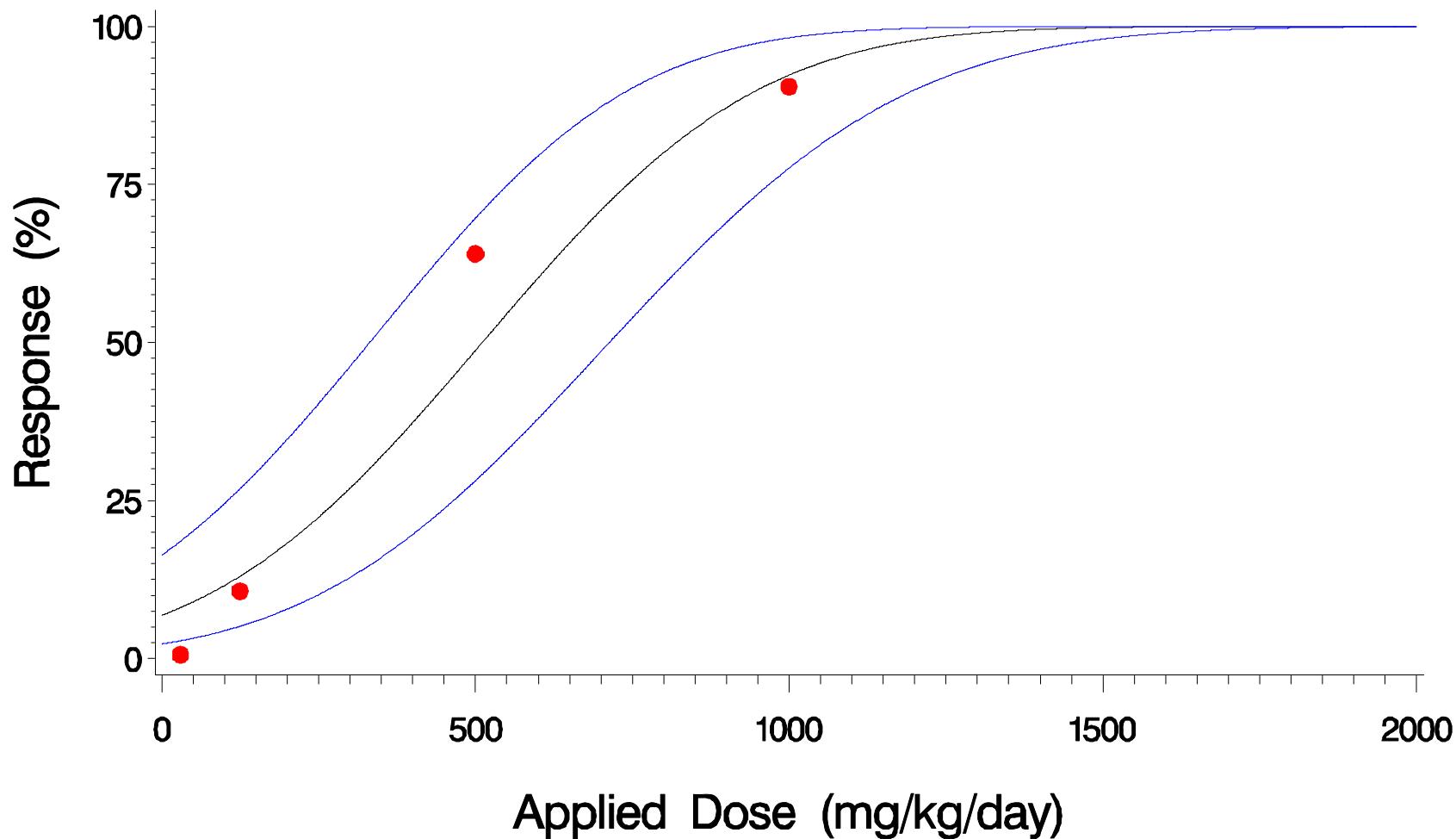
Gas Oil
Pre-natal Live Fetuses
sample_no = F - 199



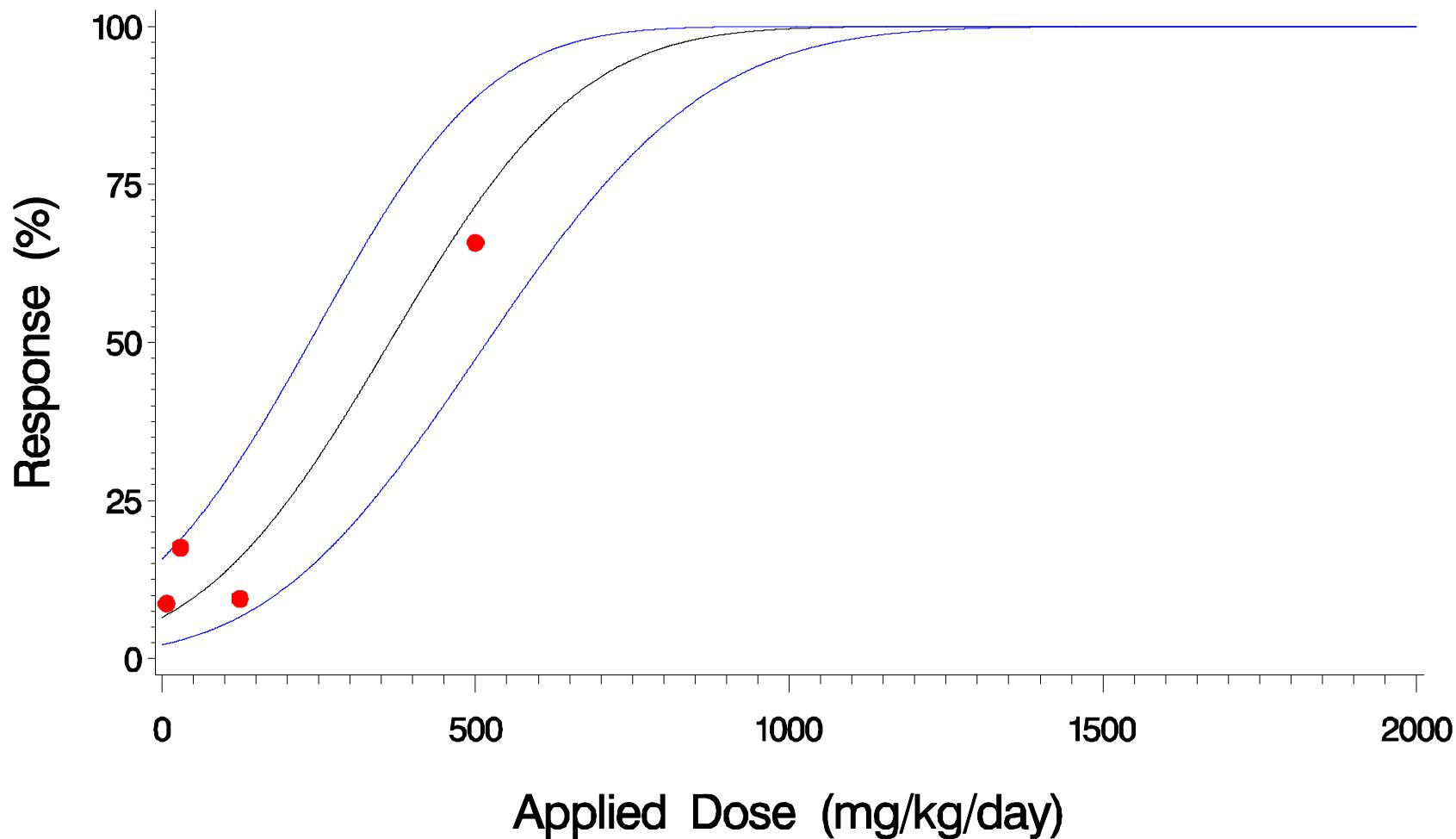
Gas Oil
Pre-natal Percent Resorptions
sample_no = 8281



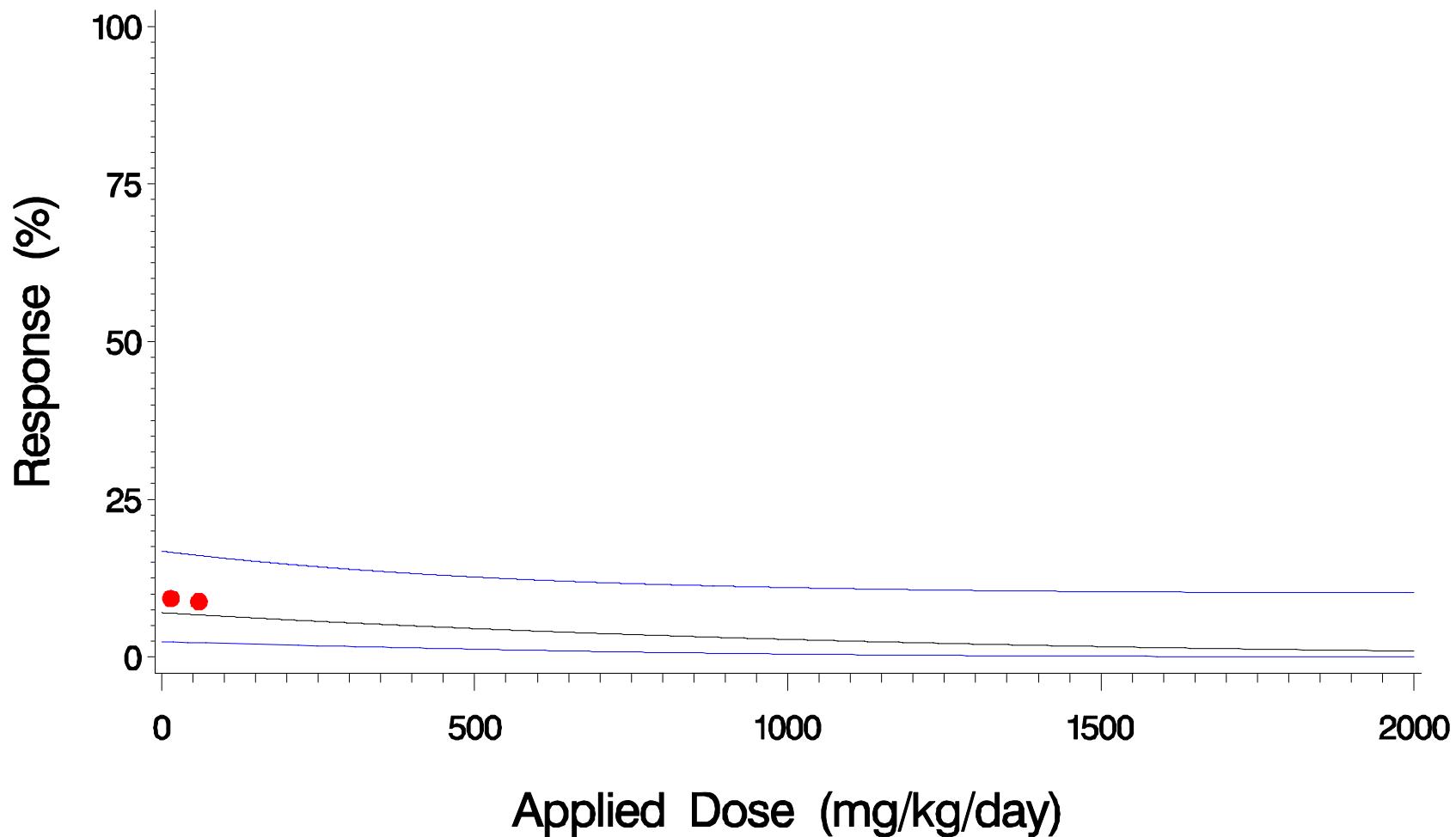
Gas Oil
Pre-natal Percent Resorptions
sample_no = 86270



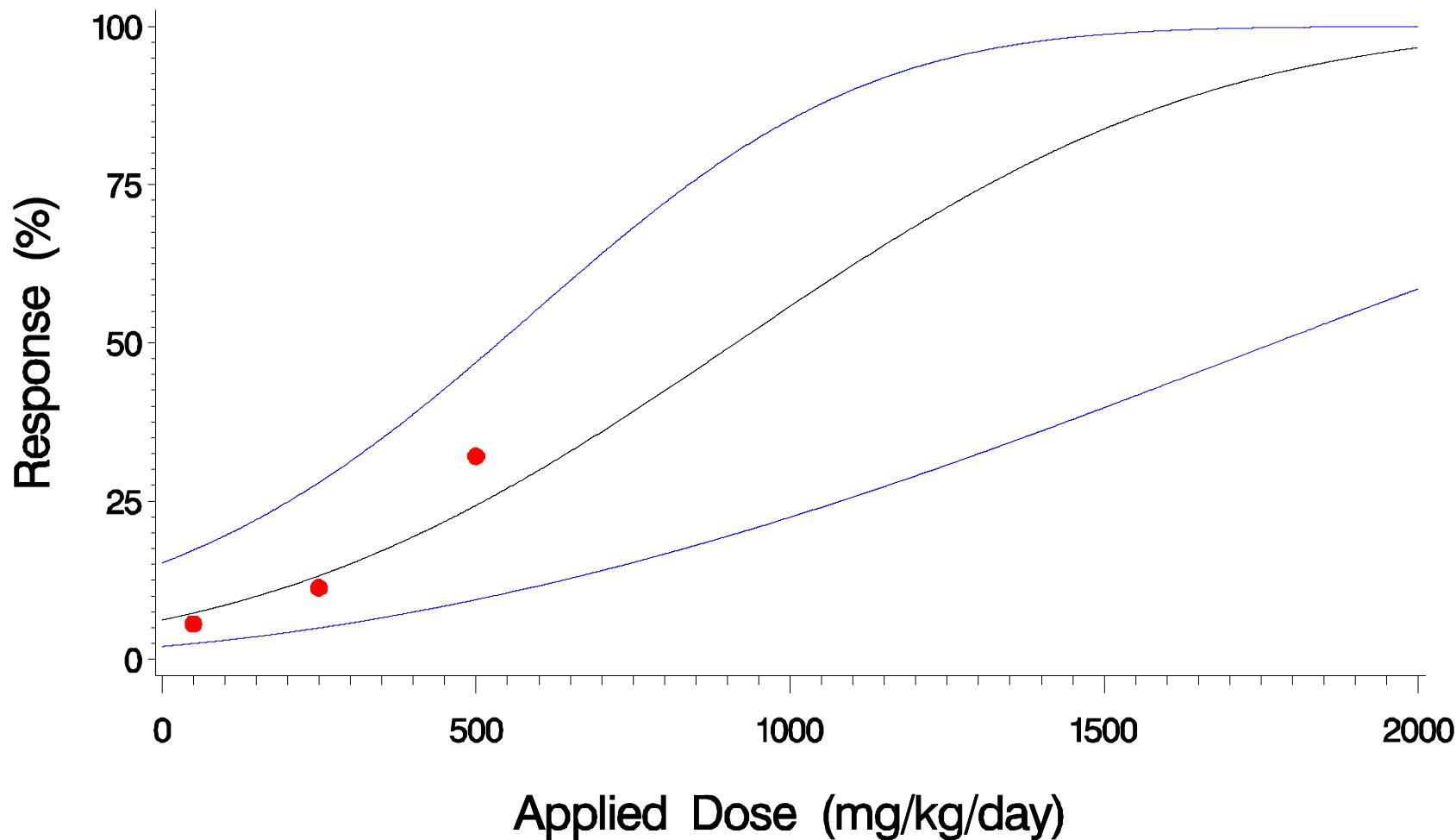
Gas Oil
Pre-natal Percent Resorptions
sample_no = 86271



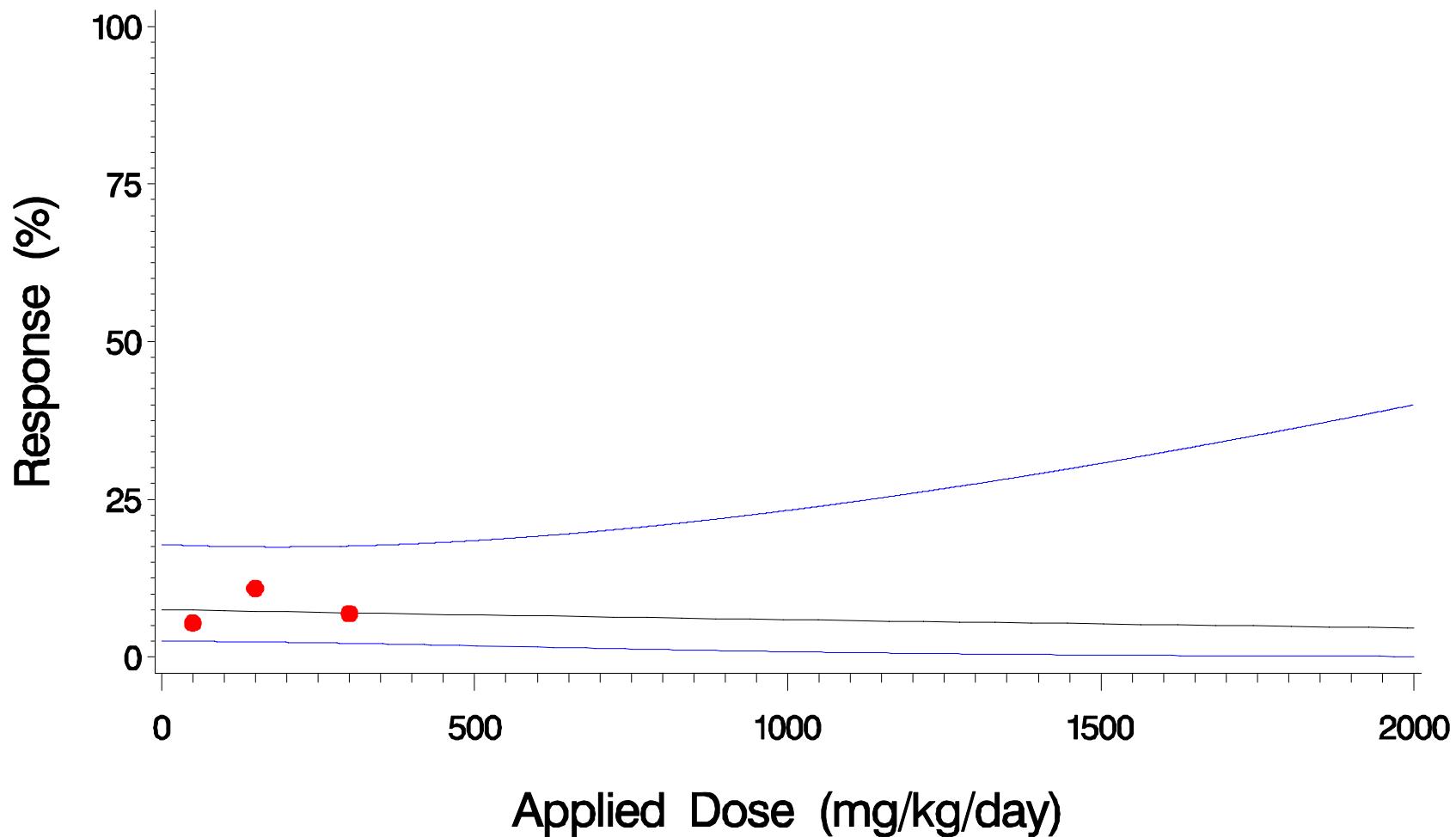
Gas Oil
Pre-natal Percent Resorptions
sample_no = 87213



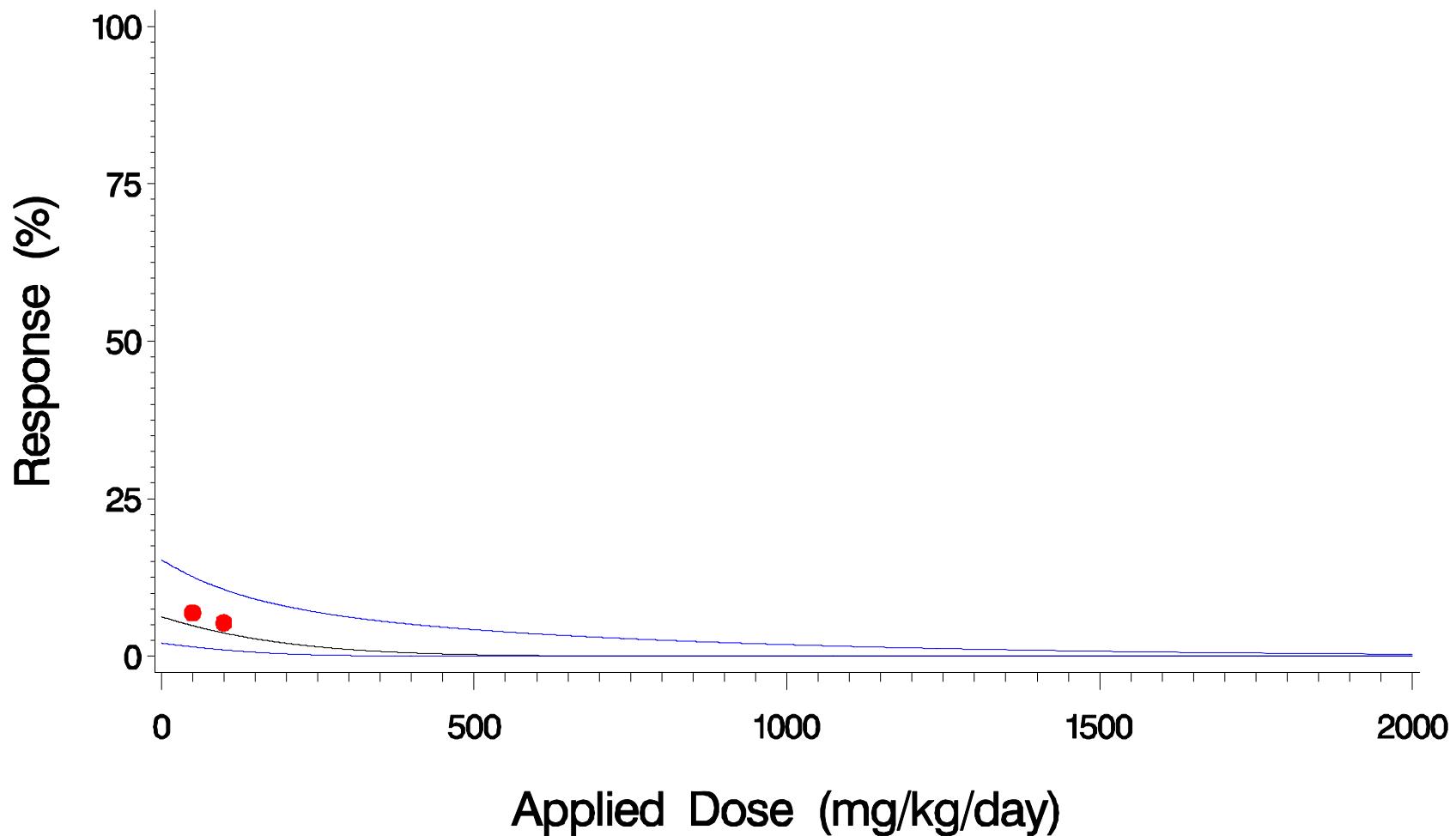
Gas Oil
Pre-natal Percent Resorptions
sample_no = F - 193



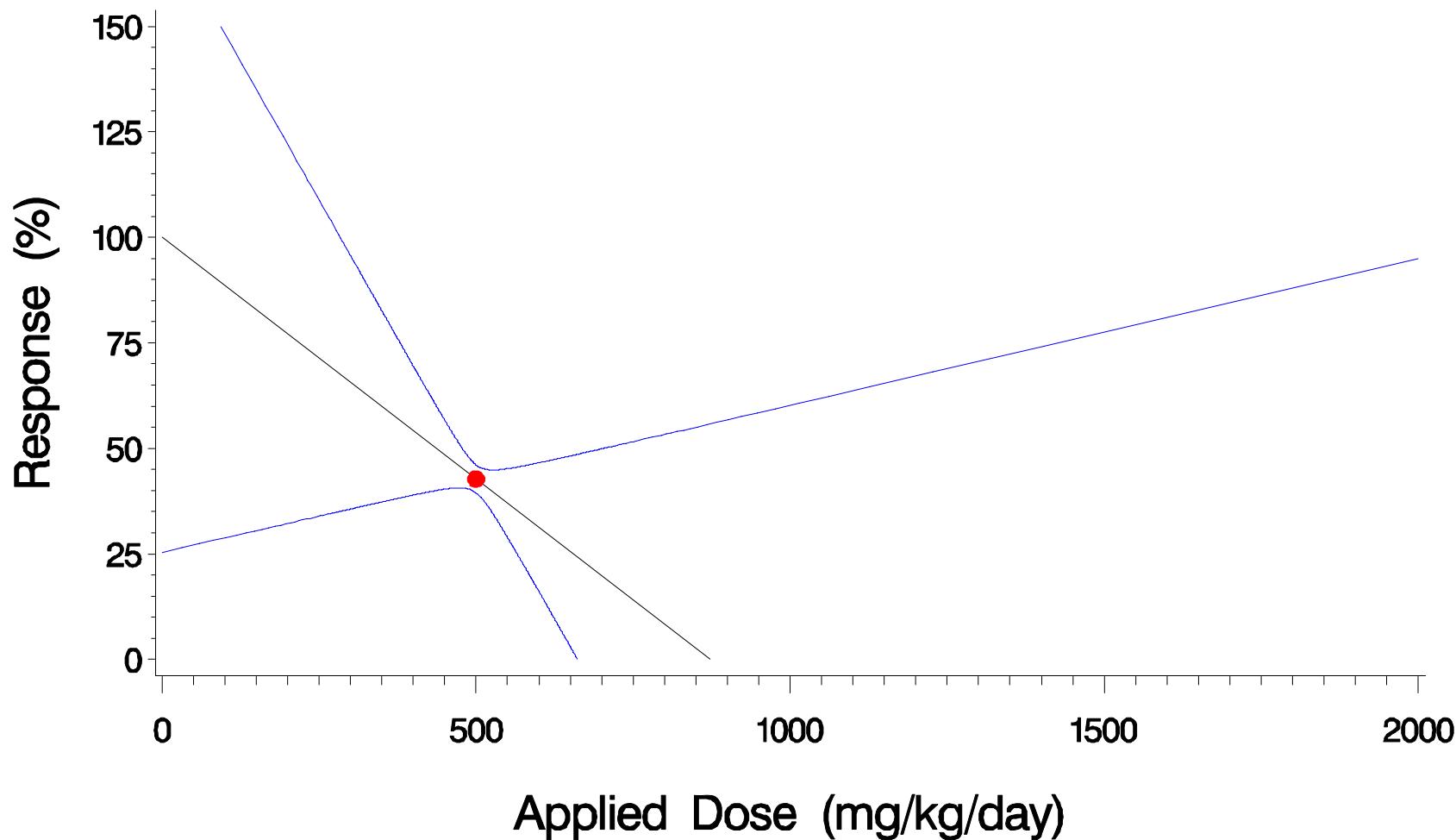
Gas Oil
Pre-natal Percent Resorptions
sample_no = F - 195



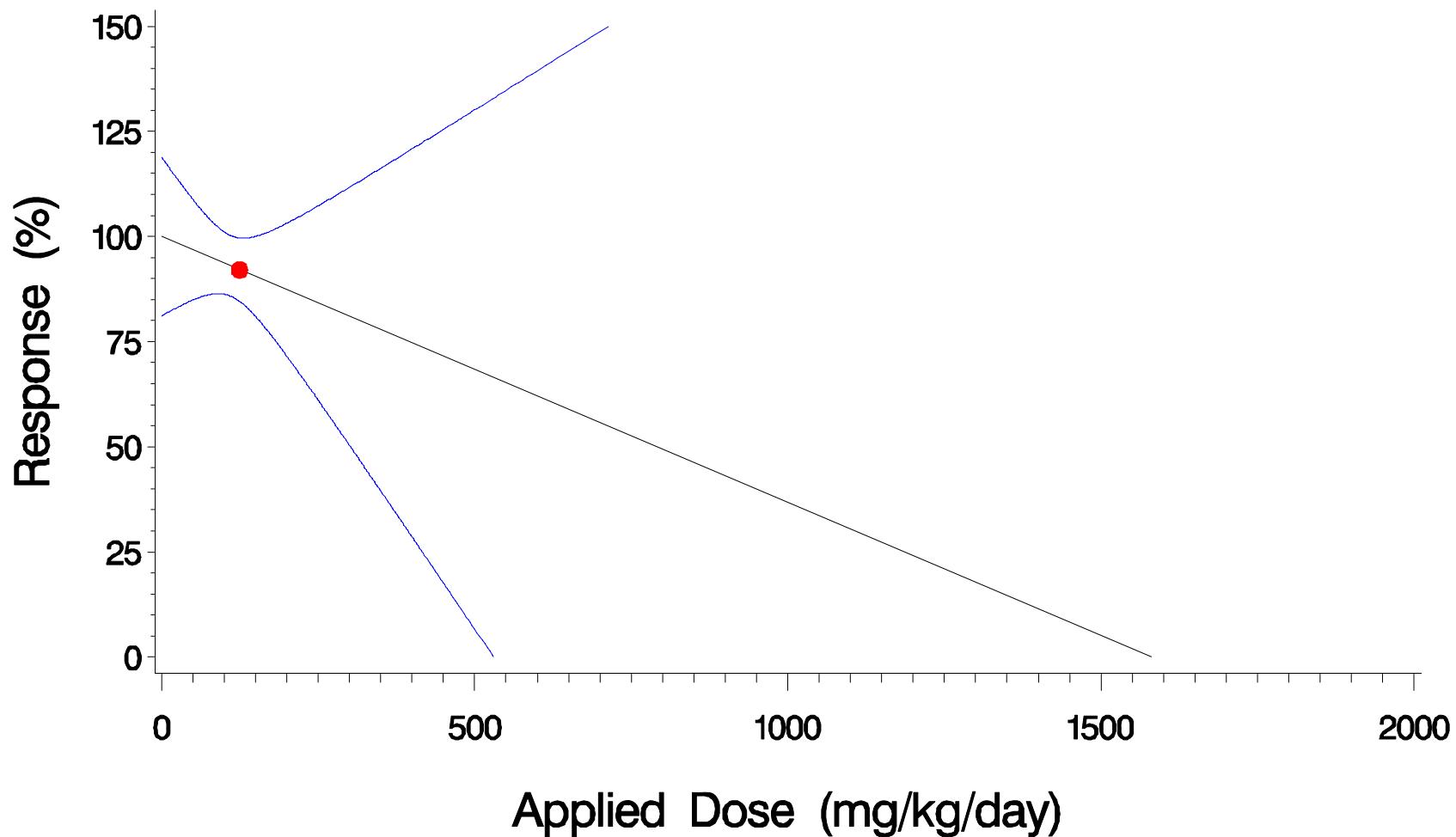
Gas Oil
Pre-natal Percent Resorptions
sample_no = F - 199



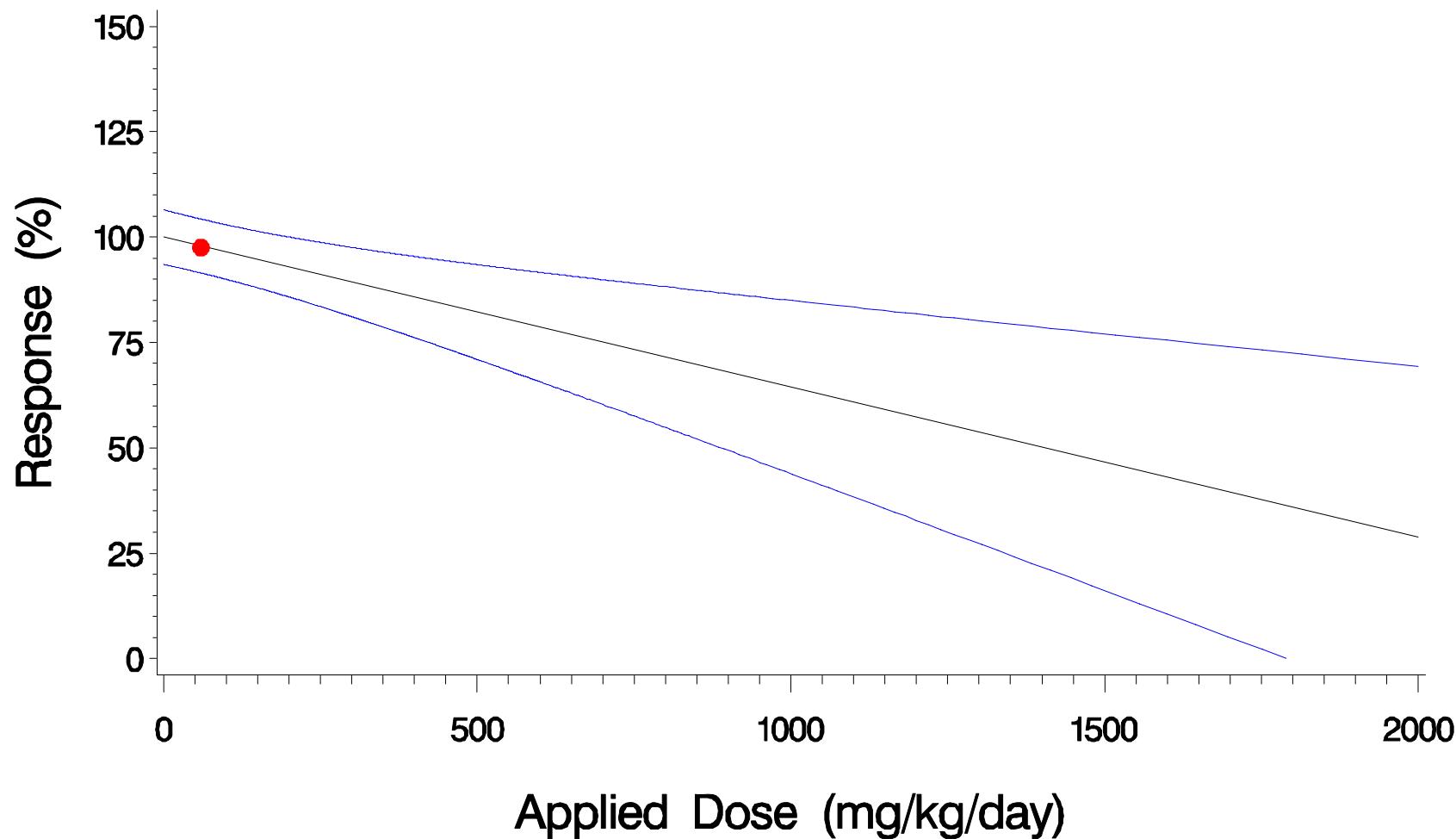
Gas Oil
Post-natal Pup Weight
sample_no = 86270



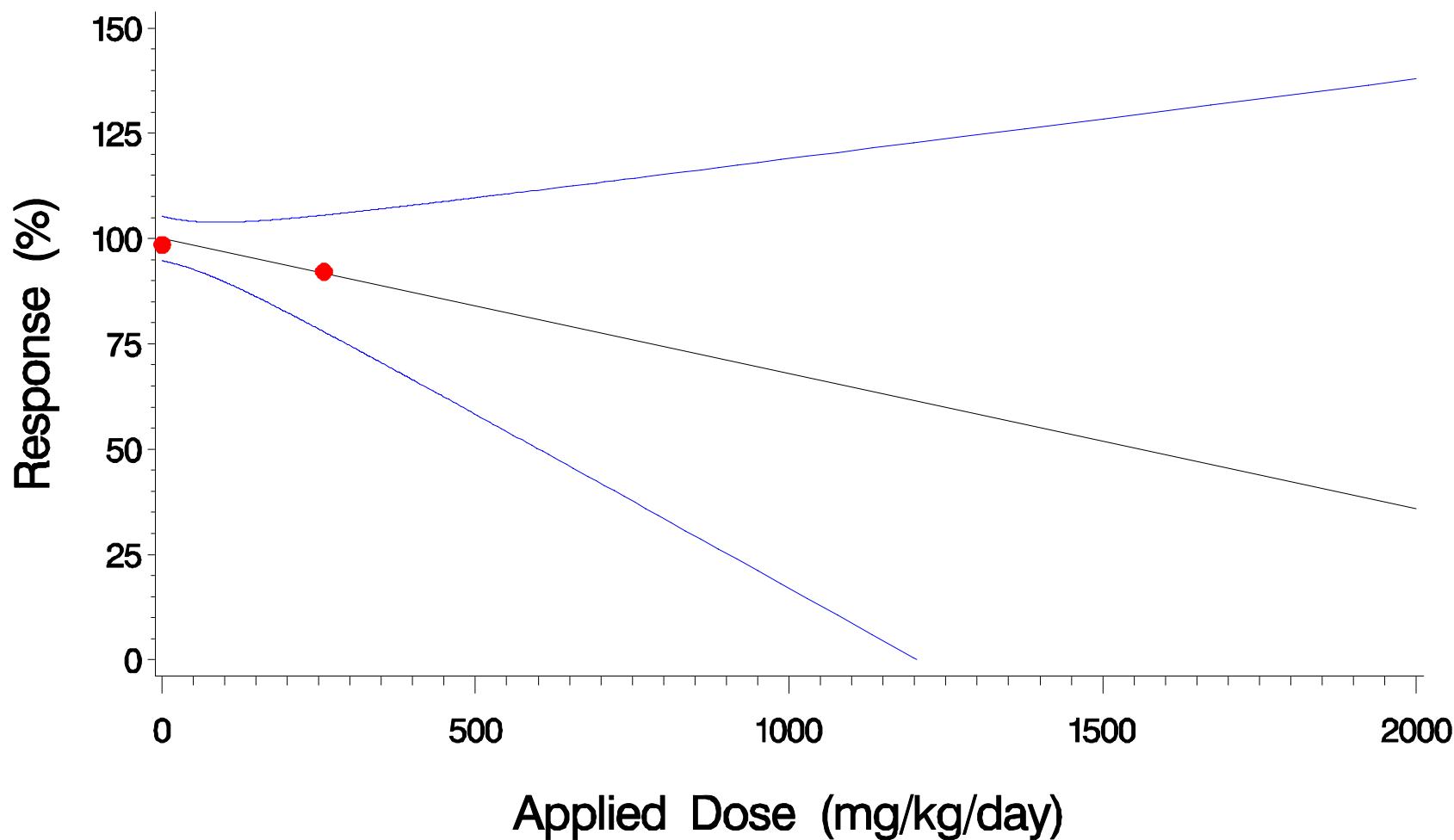
Gas Oil
Post-natal Pup Weight
sample_no = 86271



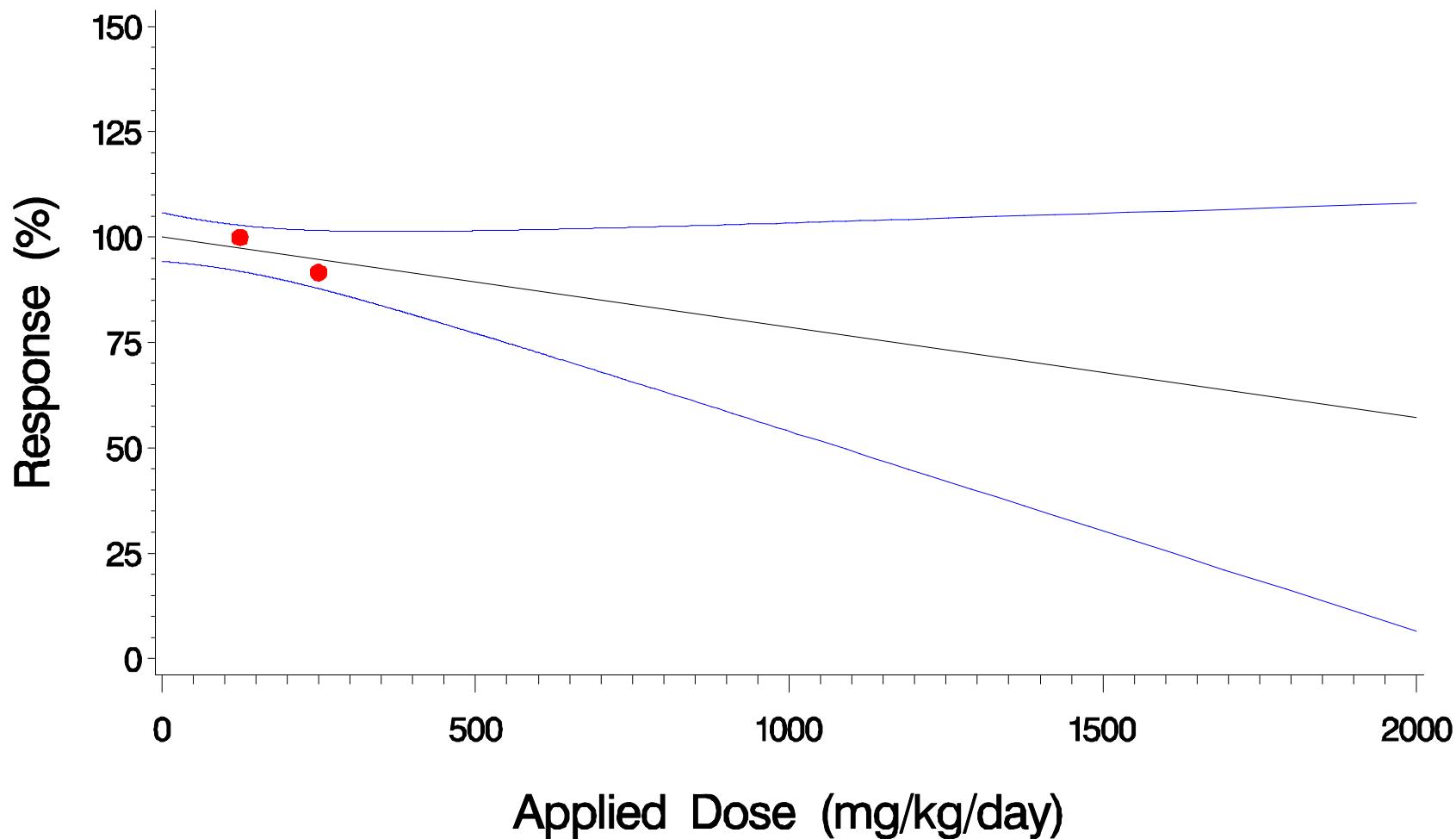
Gas Oil
Post-natal Pup Weight
sample_no = 87213



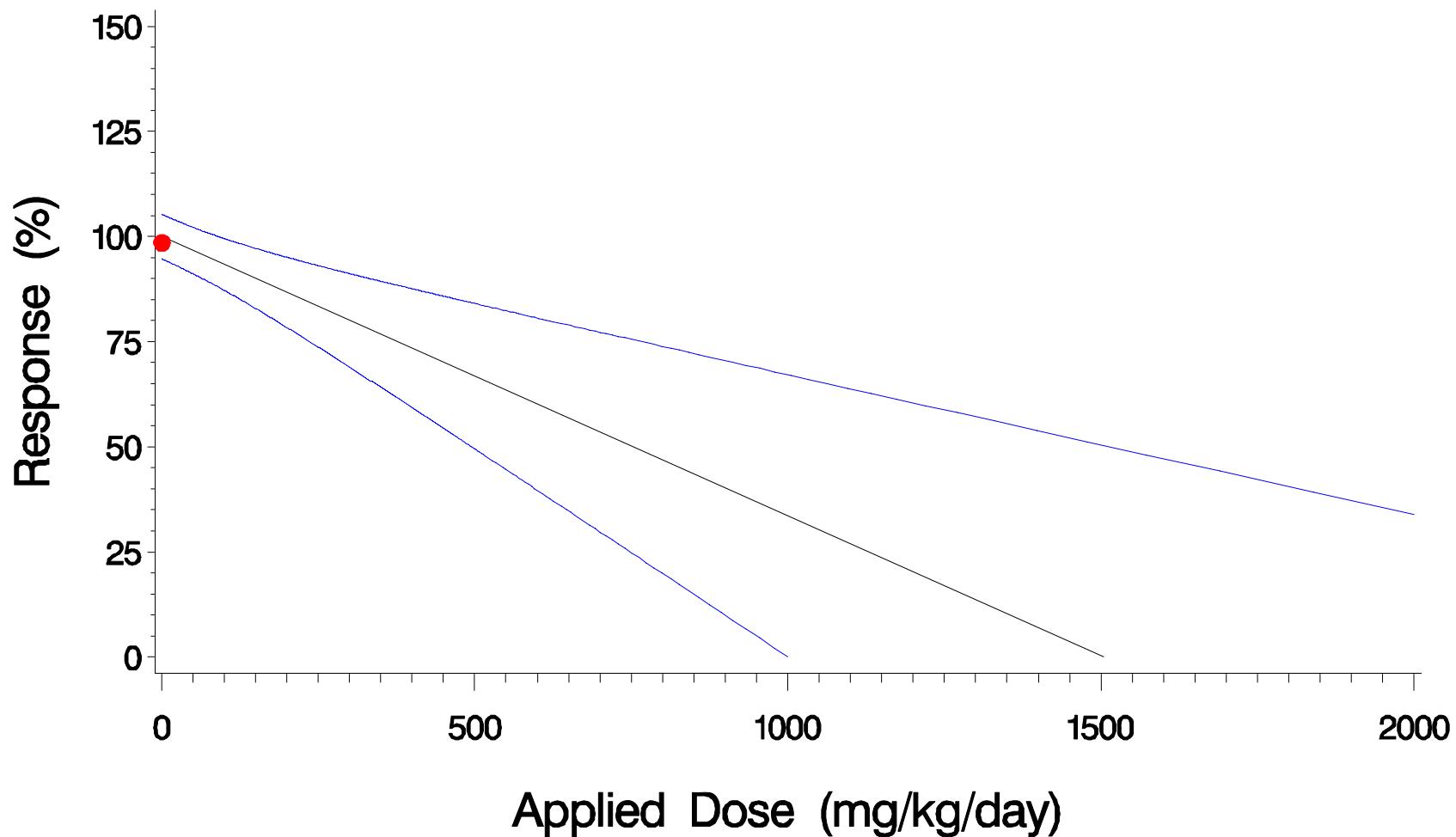
Gas Oil
Post-natal Pup Weight
sample_no = F - 193



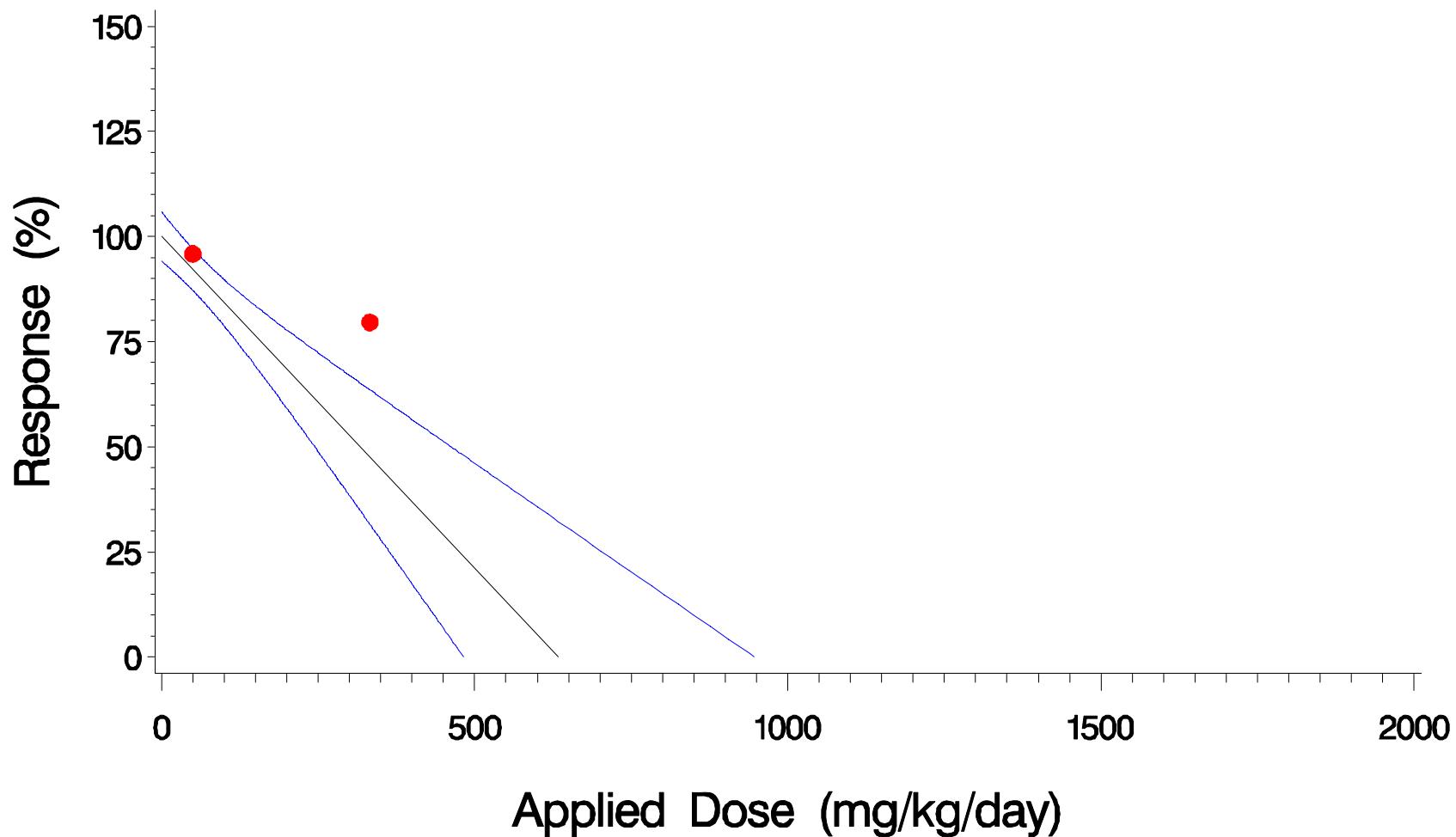
Gas Oil
Post-natal Pup Weight
sample_no = F - 195



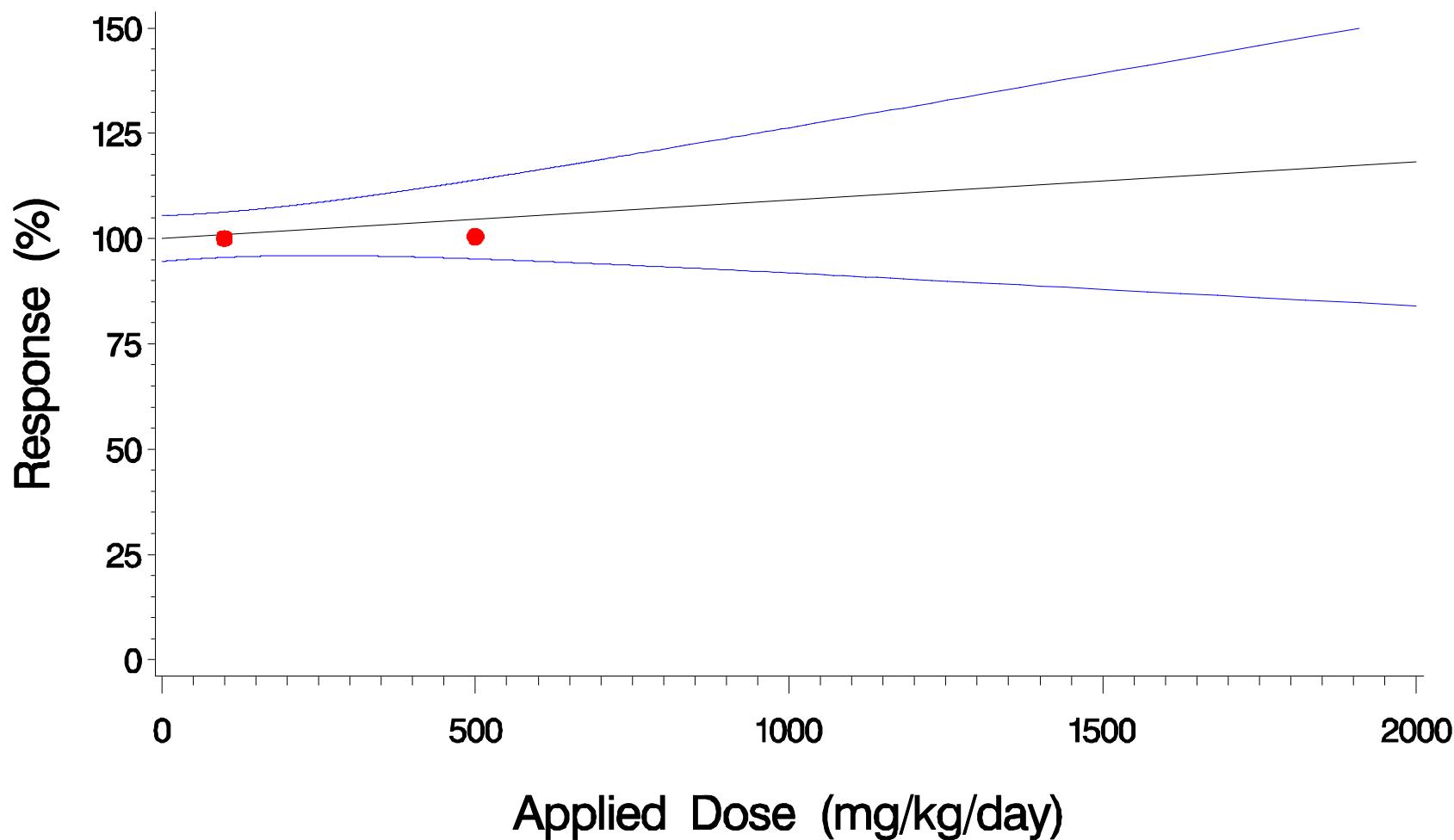
Gas Oil
Post-natal Pup Weight
sample_no = F - 199



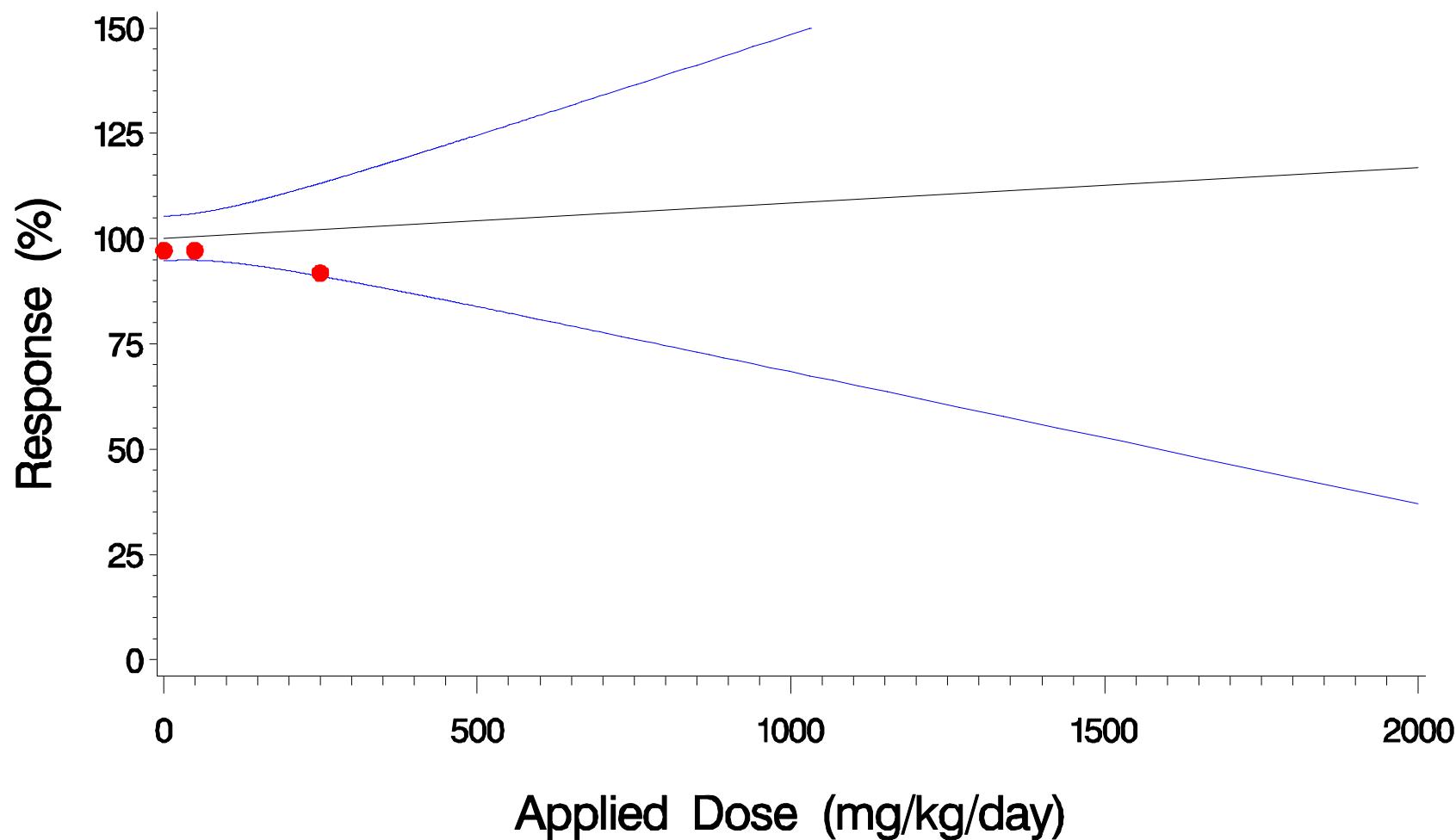
Gas Oil
Post-natal Pup Weight
sample_no = F - 213



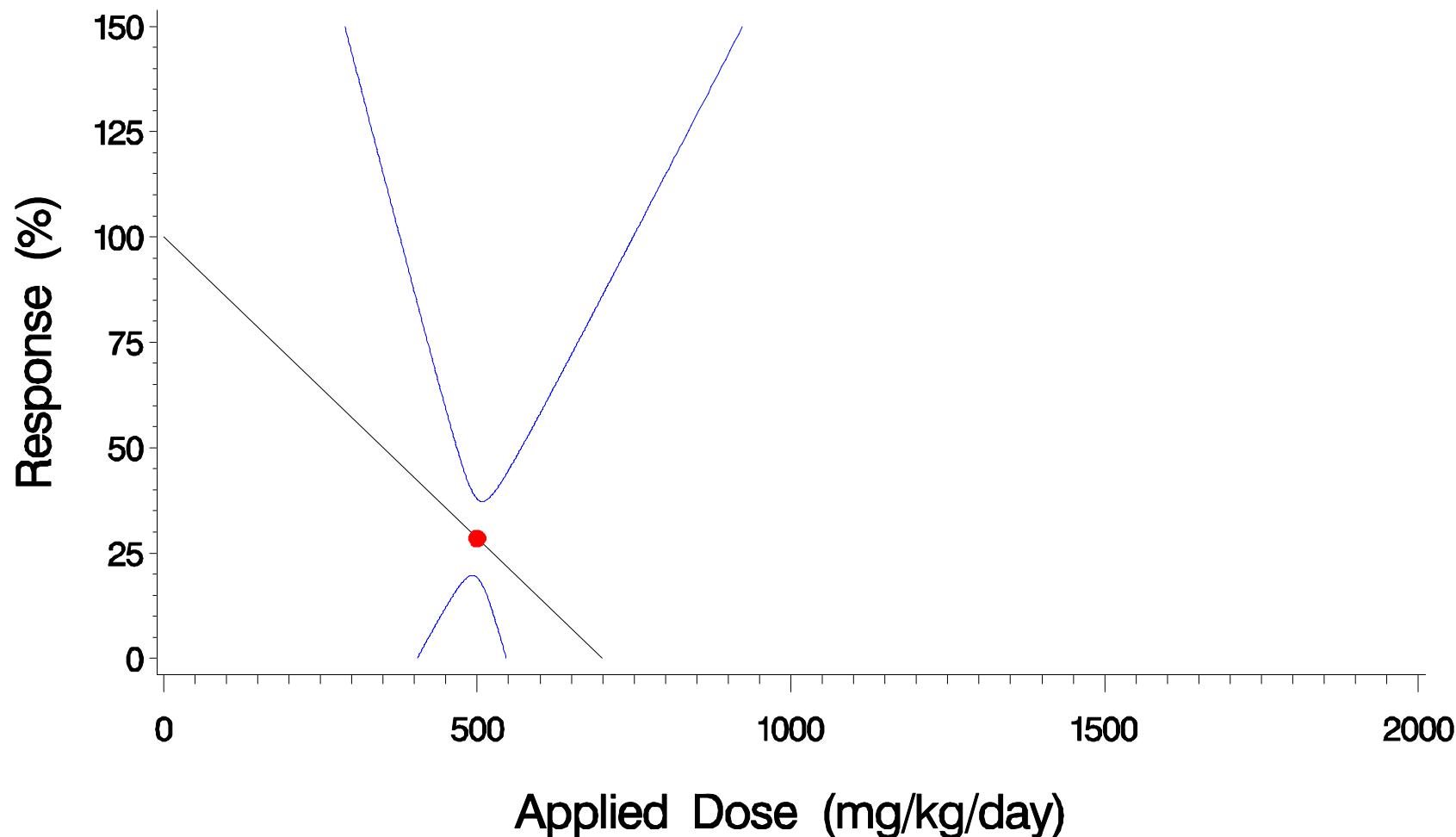
Gas Oil
Post-natal Pup Weight
sample_no = F - 233



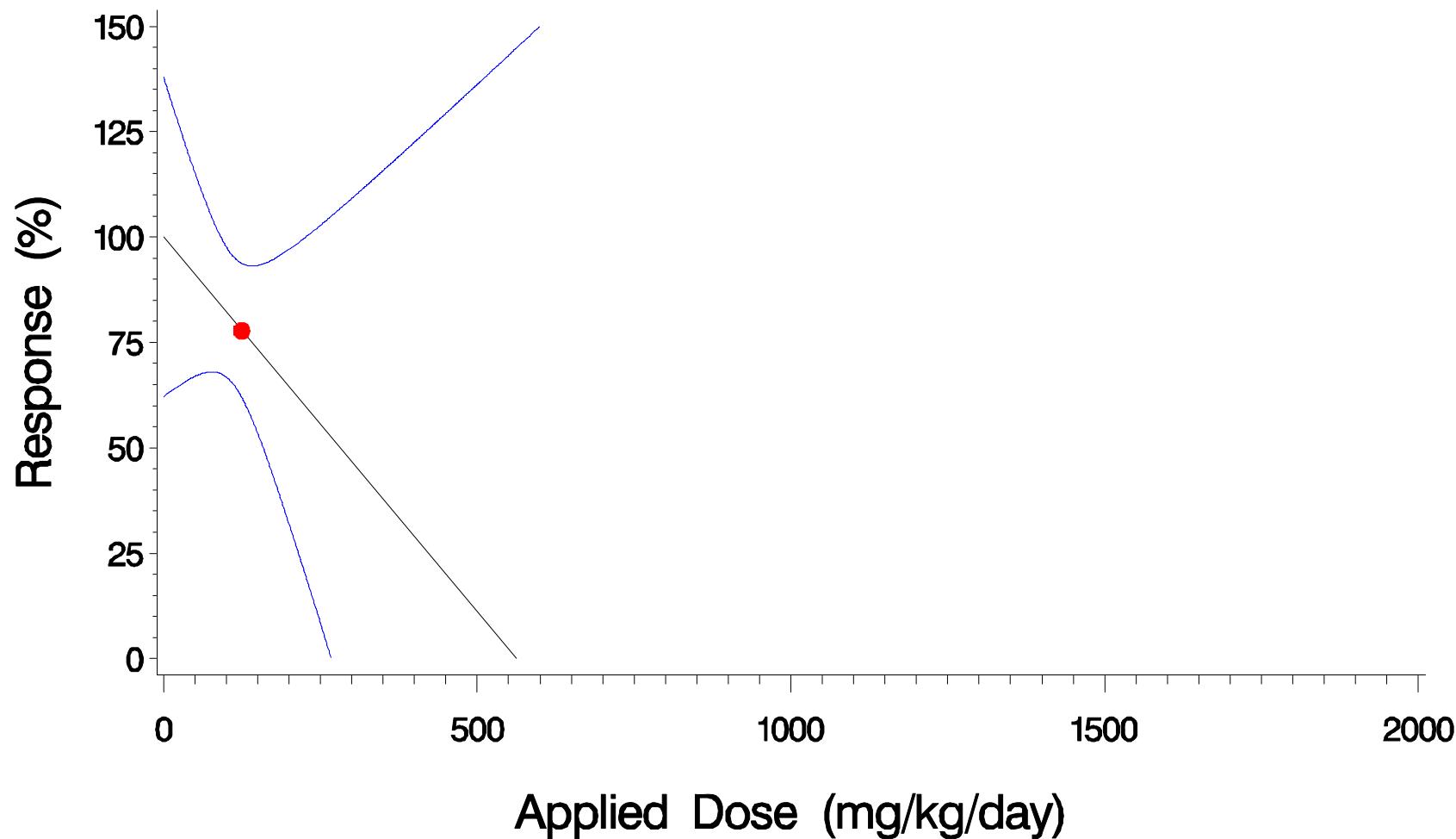
Gas Oil
Post-natal Pup Weight
sample_no = F - 277



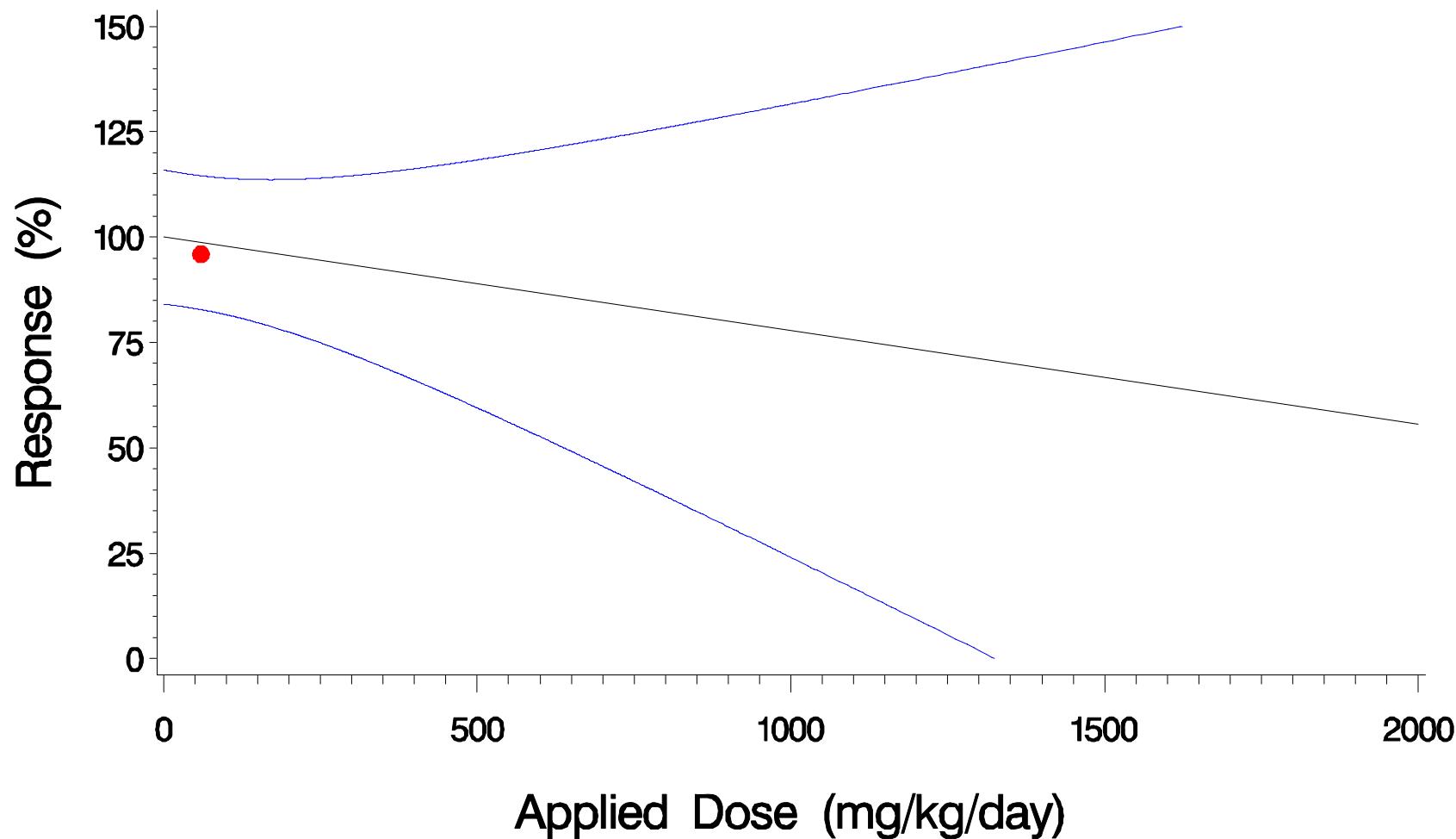
Gas Oil
Post-natal Total Litter Size
sample_no = 86270



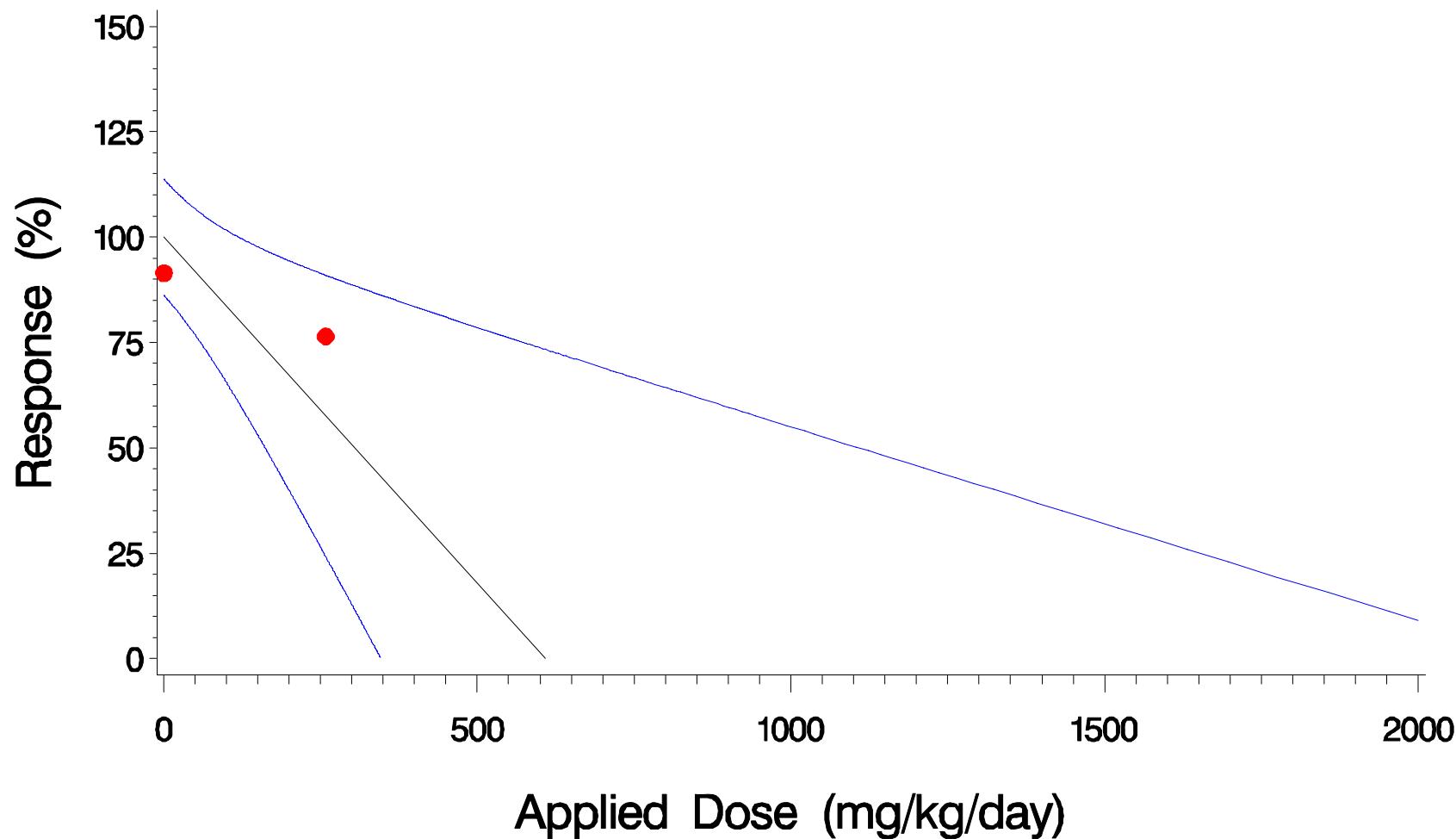
Gas Oil
Post-natal Total Litter Size
sample_no = 86271



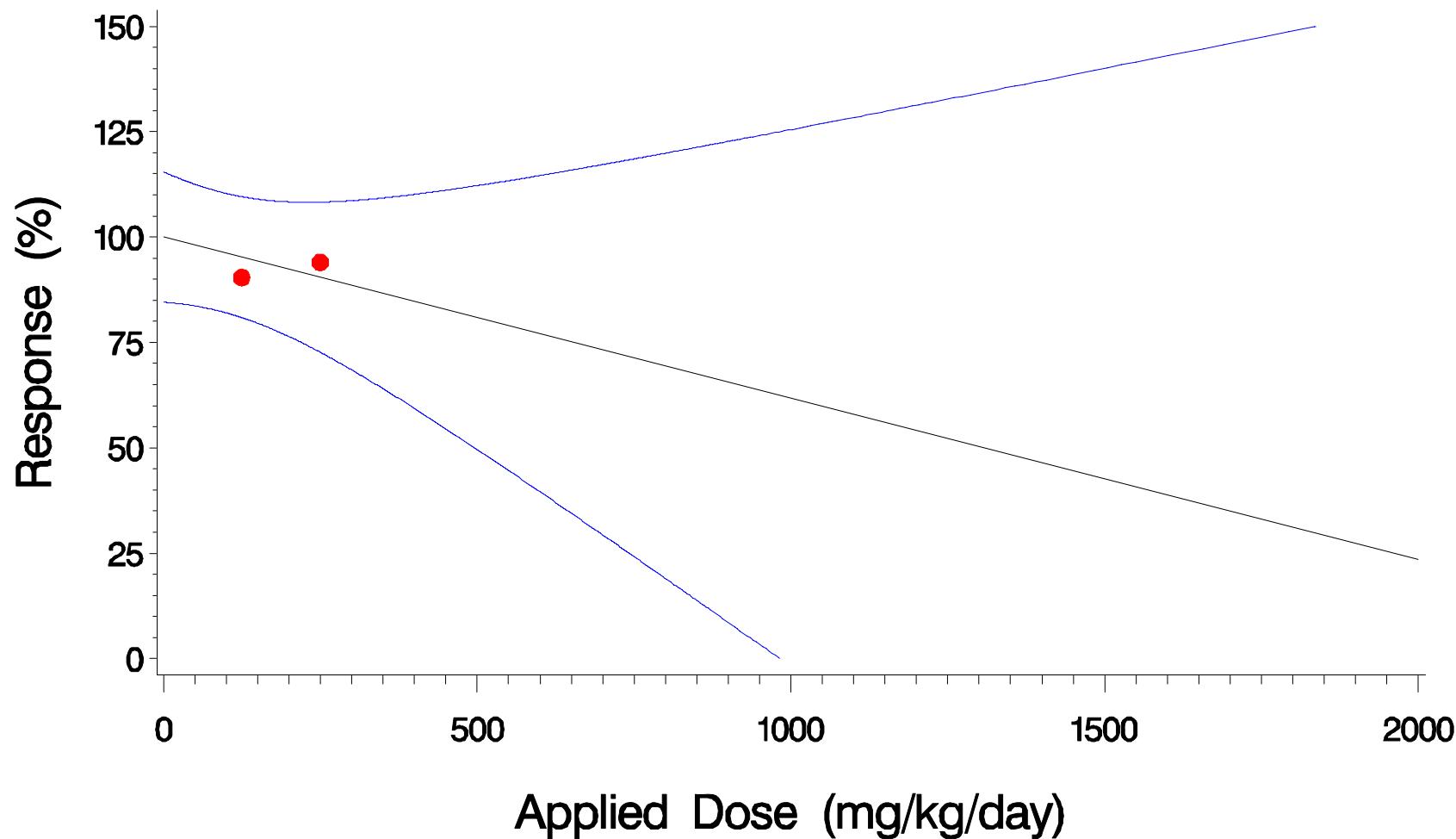
Gas Oil
Post-natal Total Litter Size
sample_no = 87213



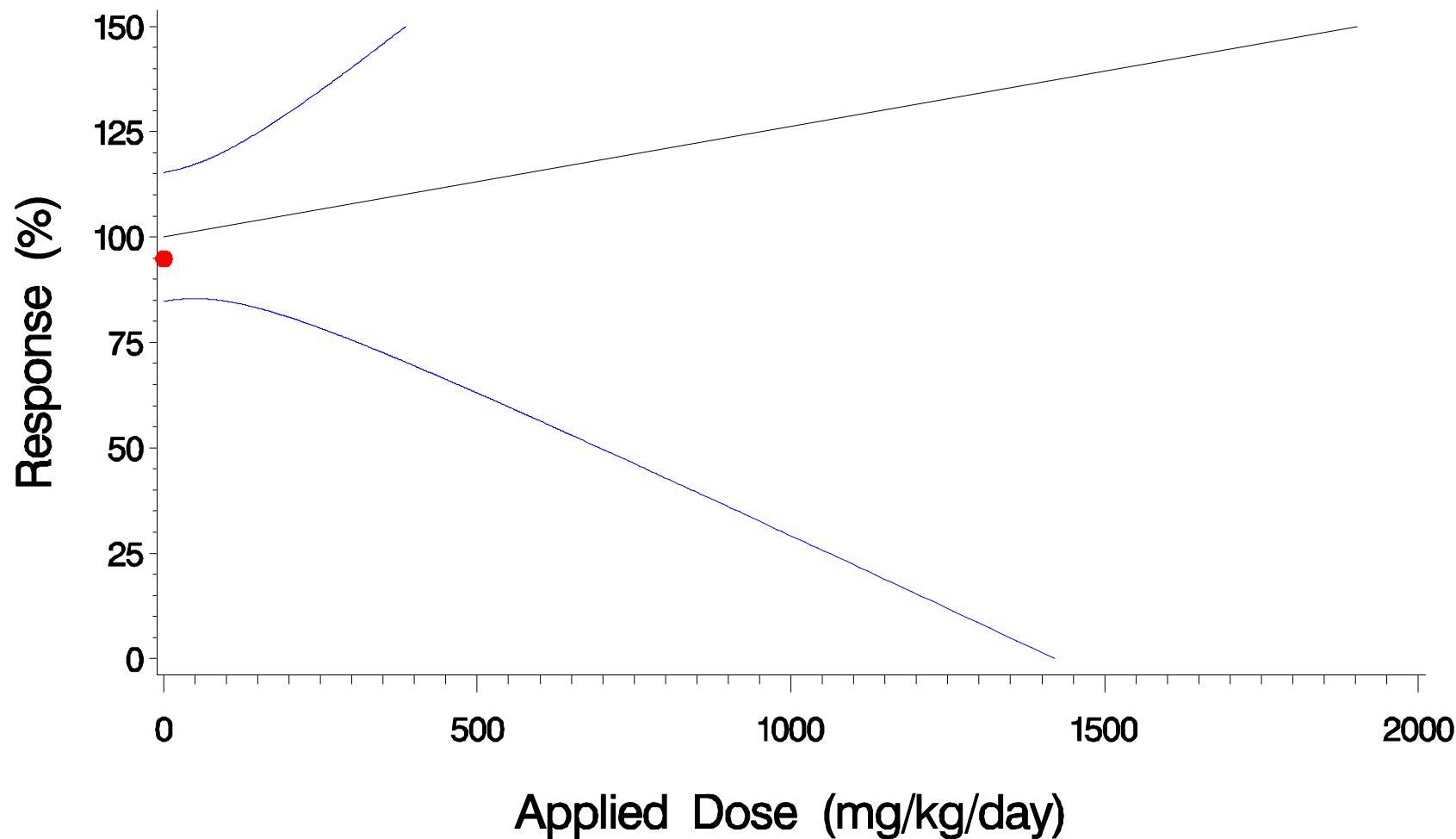
Gas Oil
Post-natal Total Litter Size
sample_no = F - 193



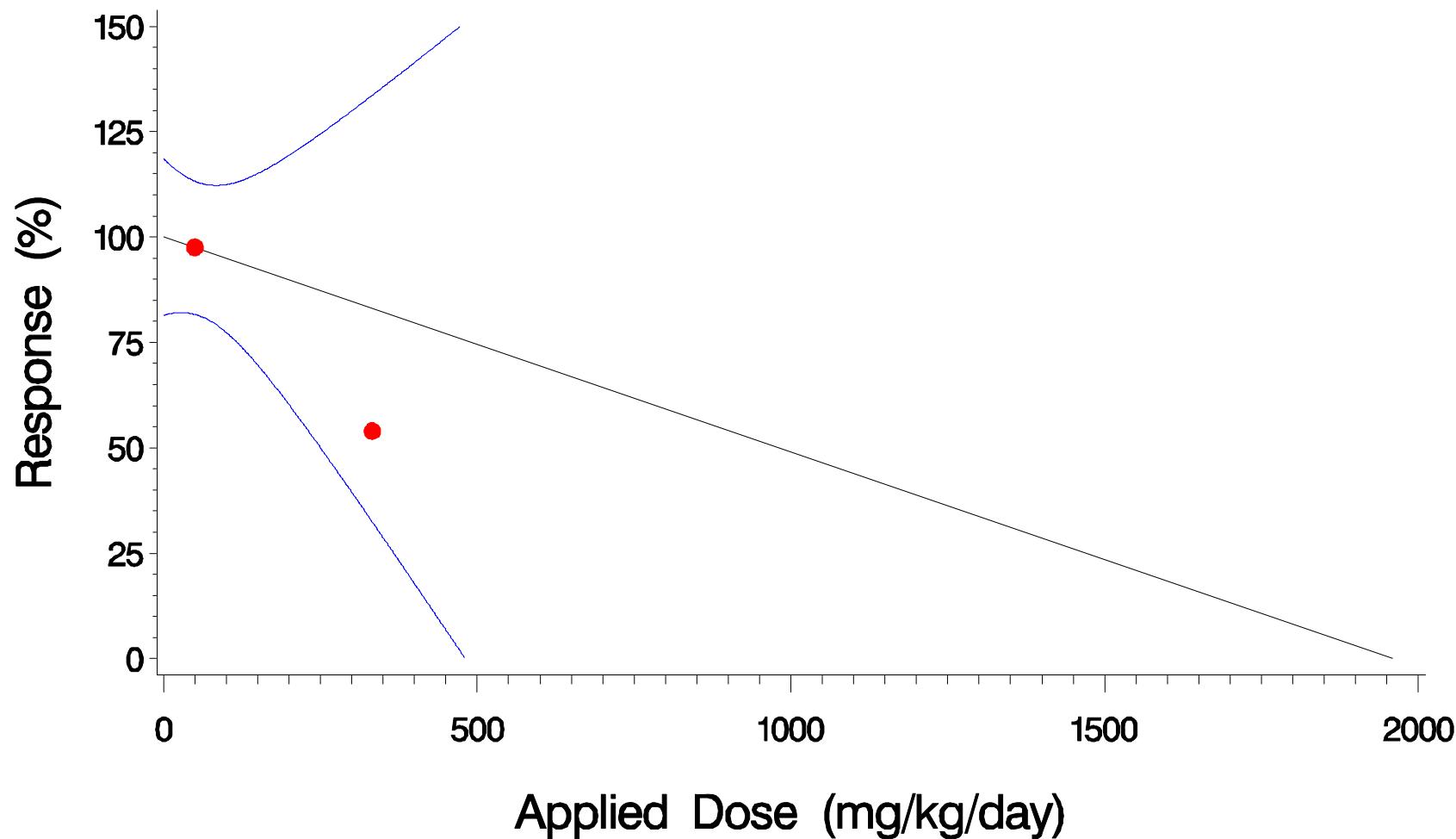
Gas Oil
Post-natal Total Litter Size
sample_no = F - 195



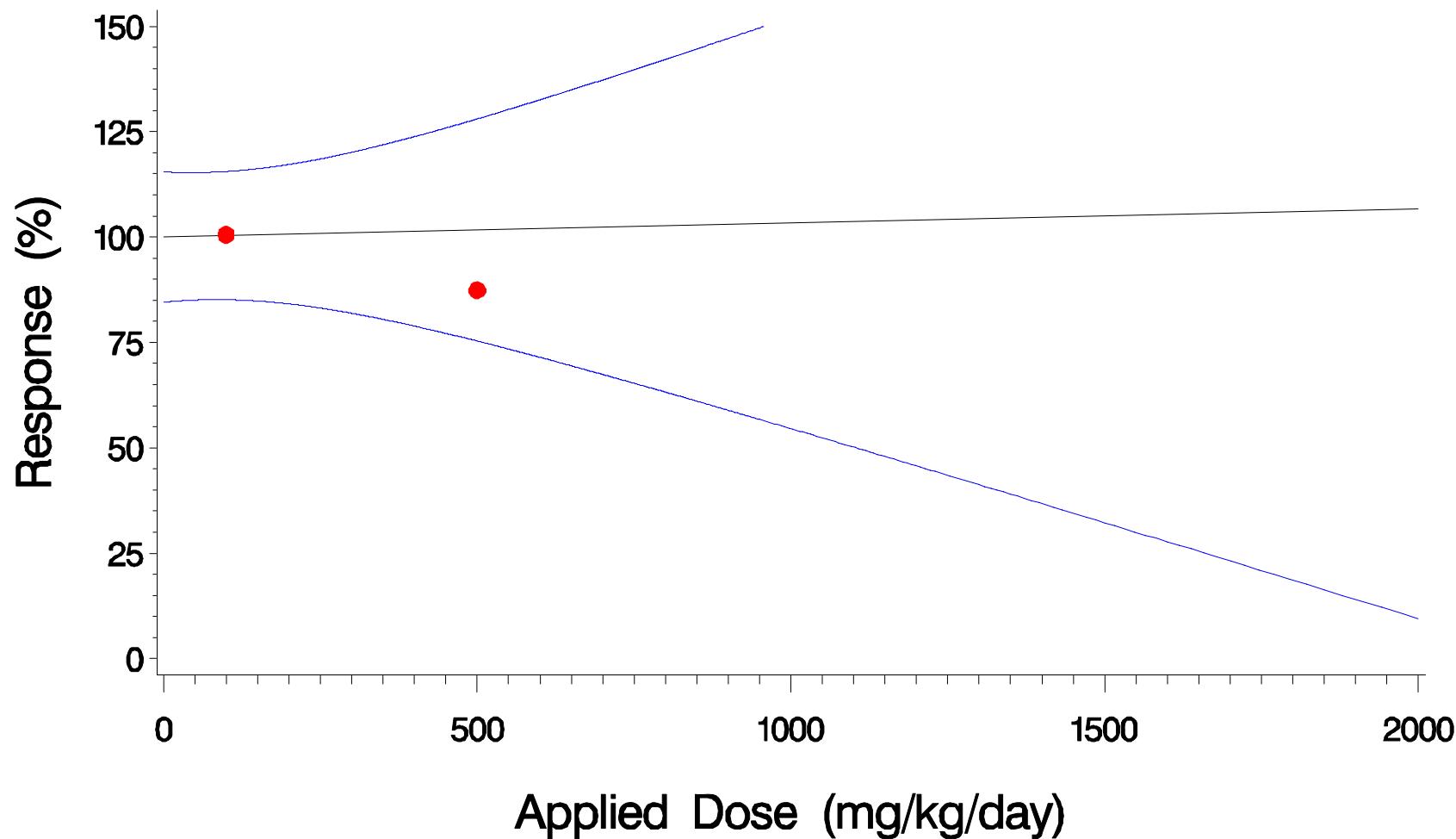
Gas Oil
Post-natal Total Litter Size
sample_no = F - 199



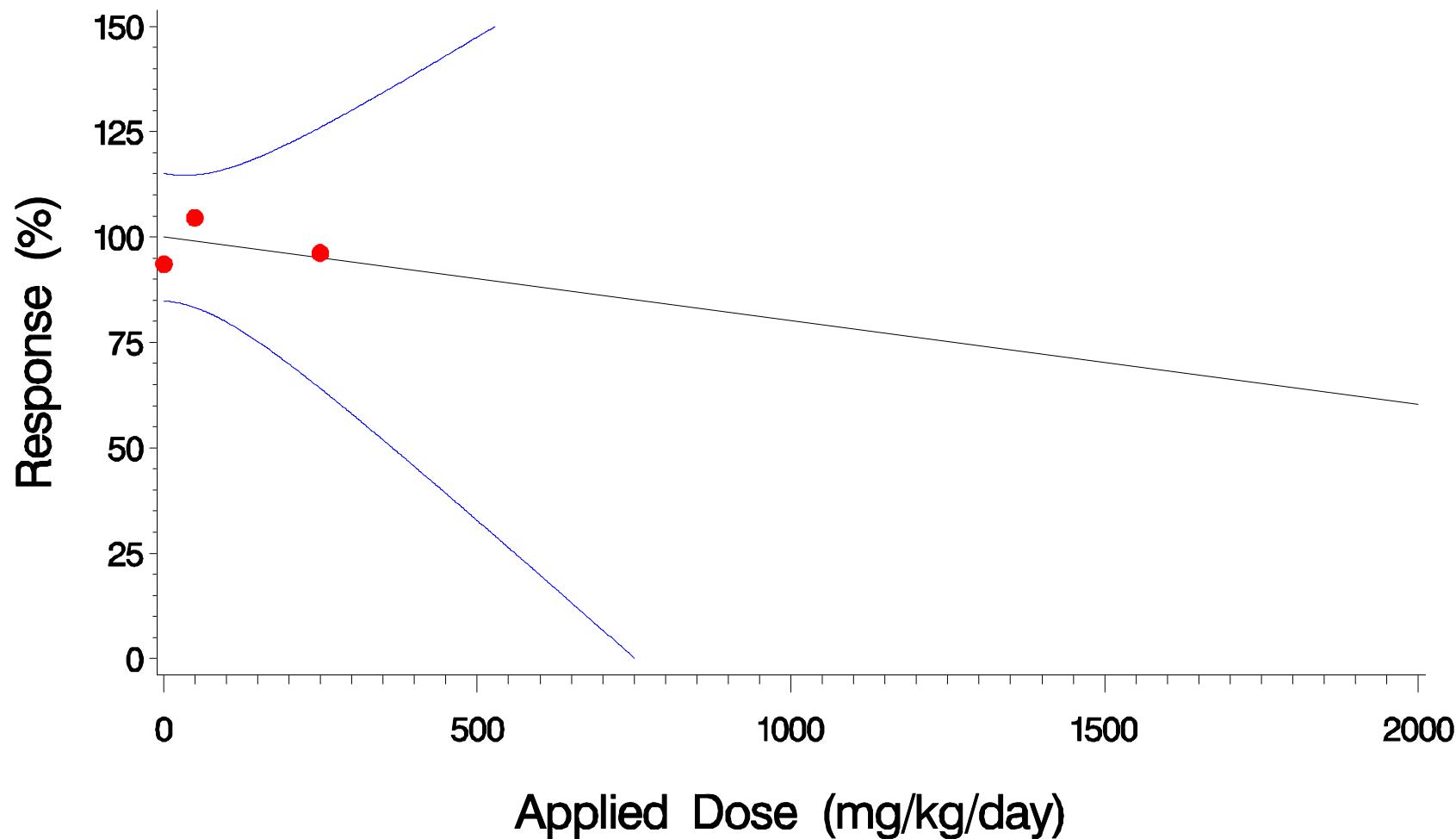
Gas Oil
Post-natal Total Litter Size
sample_no = F - 213



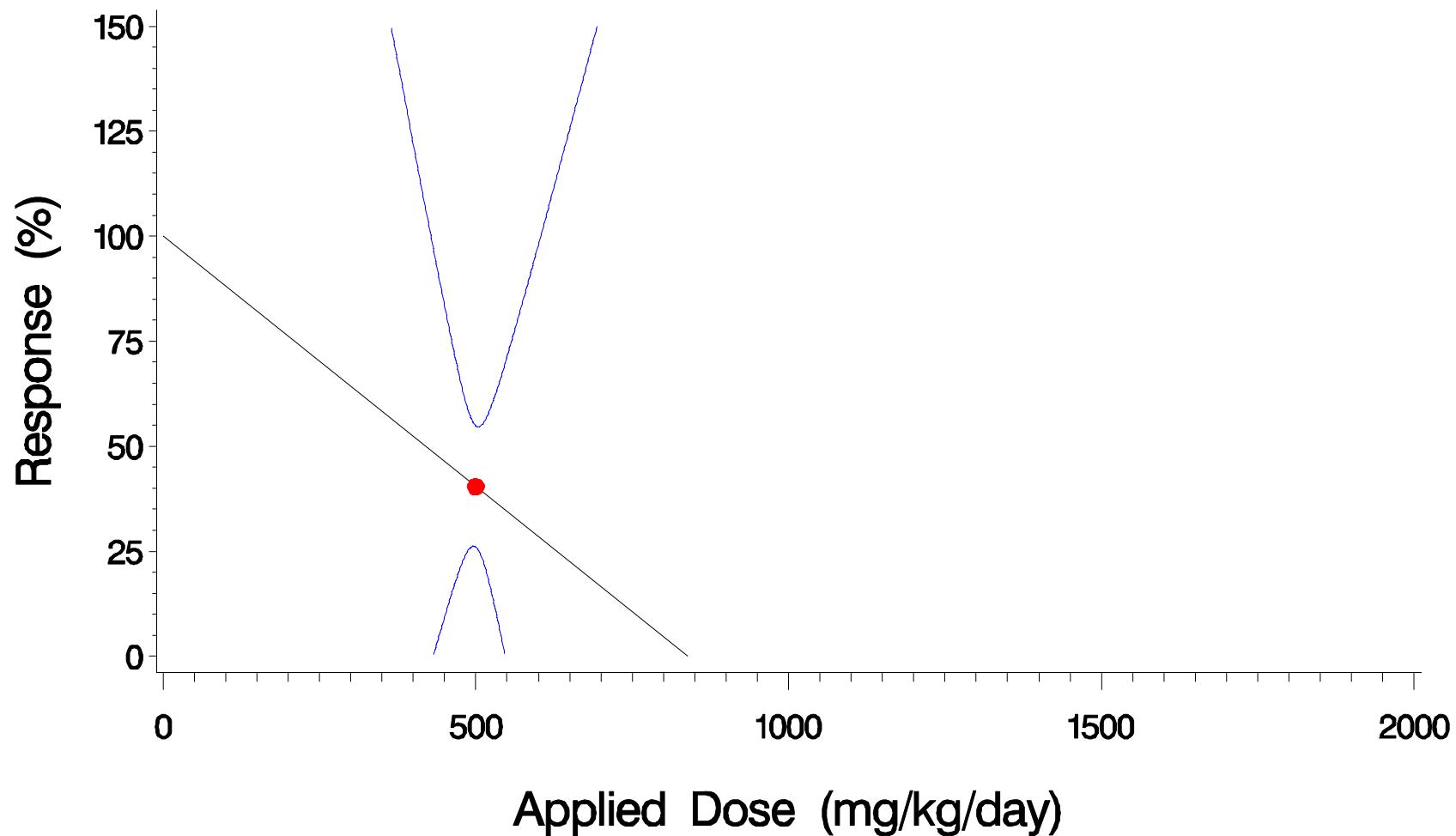
Gas Oil
Post-natal Total Litter Size
sample_no = F - 233



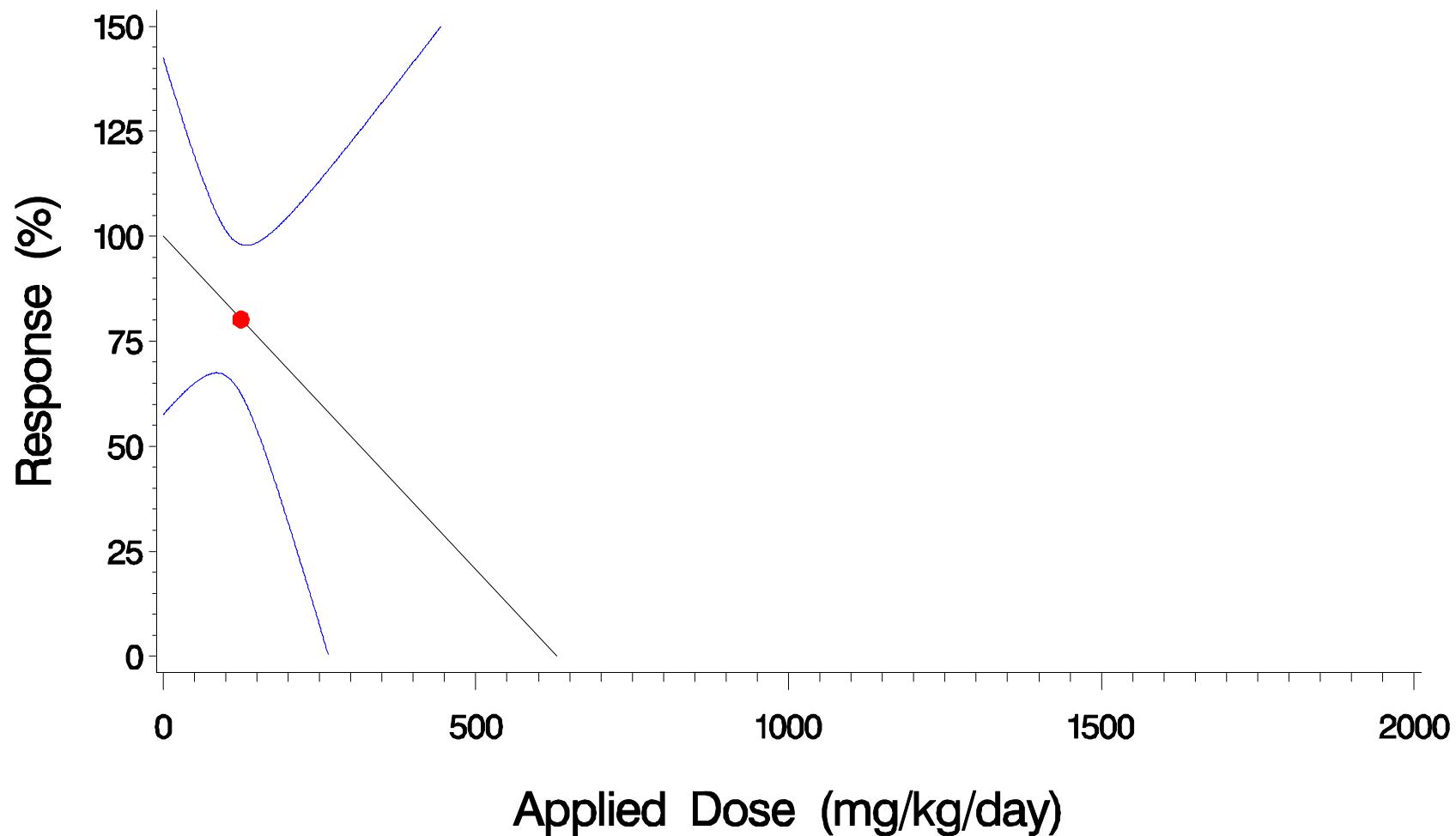
Gas Oil
Post-natal Total Litter Size
sample_no = F - 277



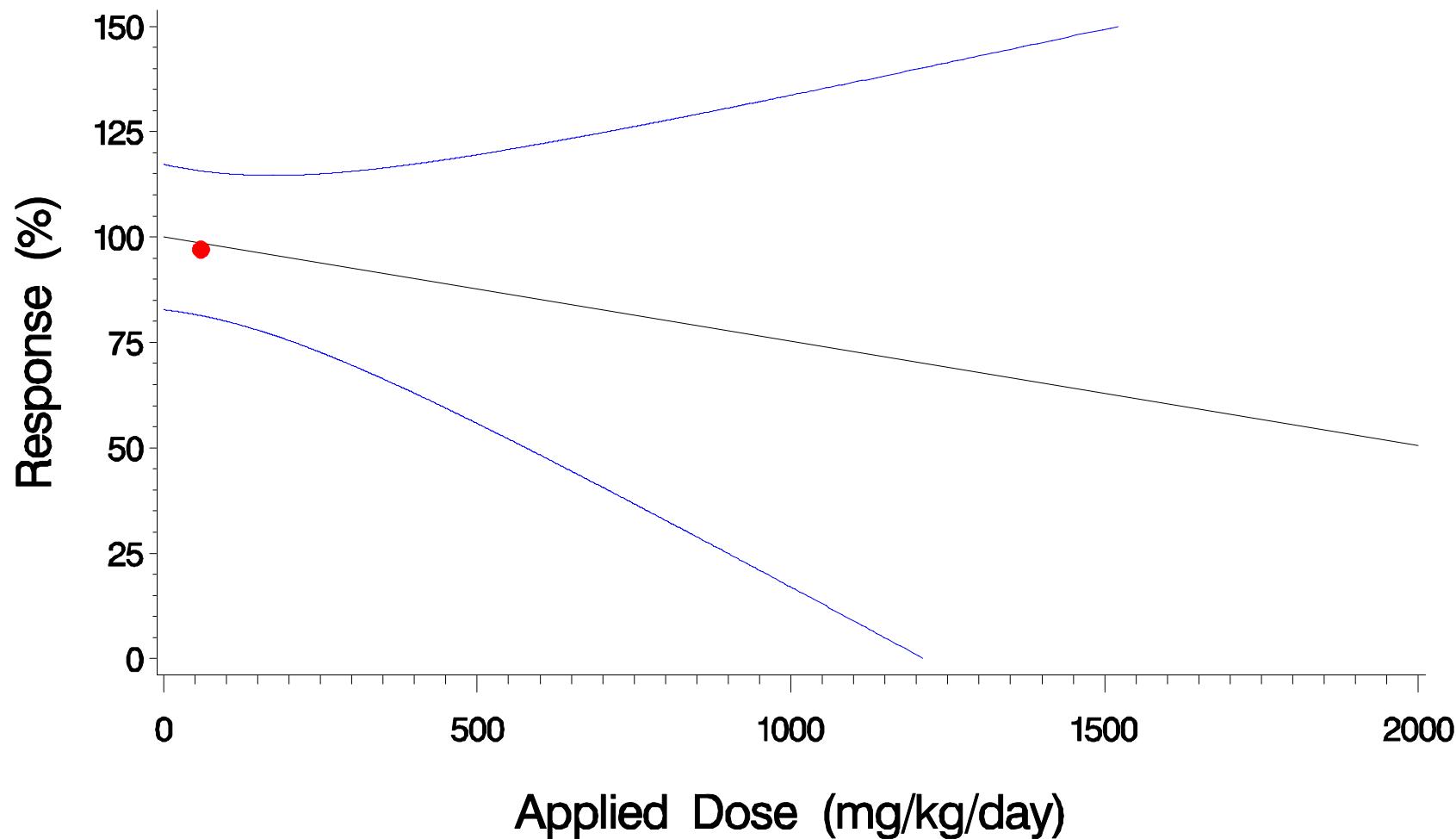
Gas Oil
Post-natal Live Litter Size
sample_no = 86270



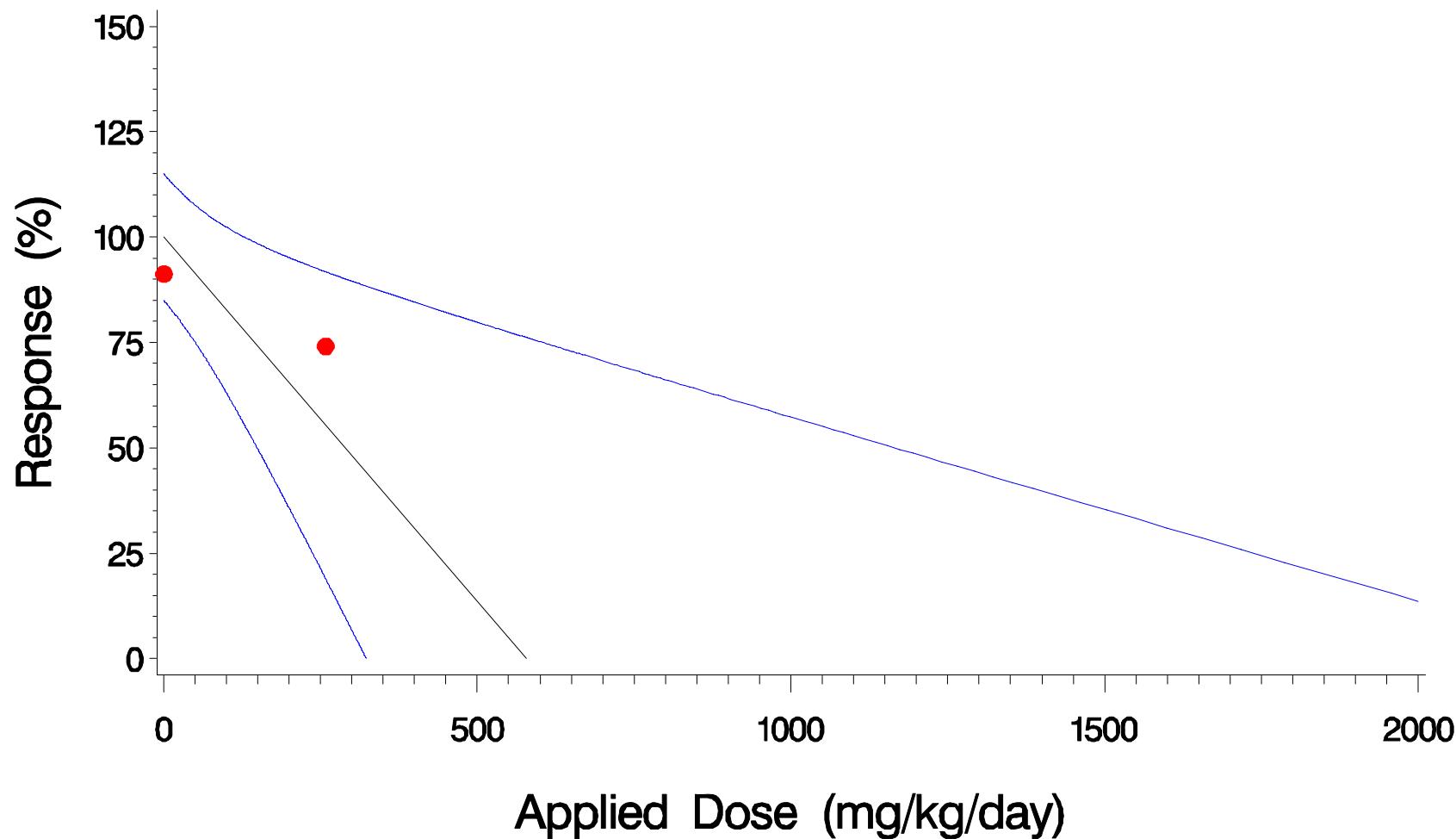
Gas Oil
Post-natal Live Litter Size
sample_no = 86271



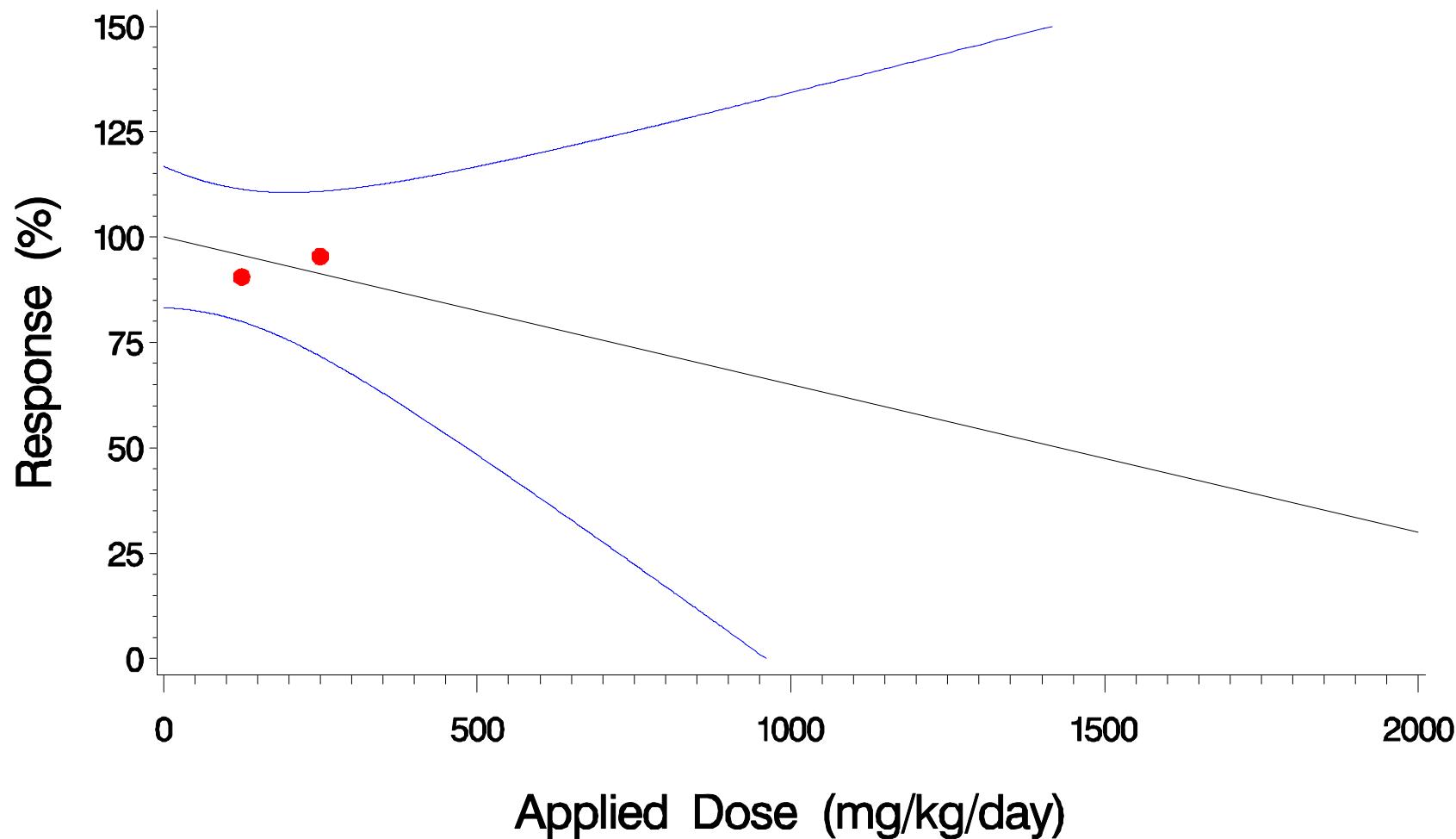
Gas Oil
Post-natal Live Litter Size
sample_no = 87213



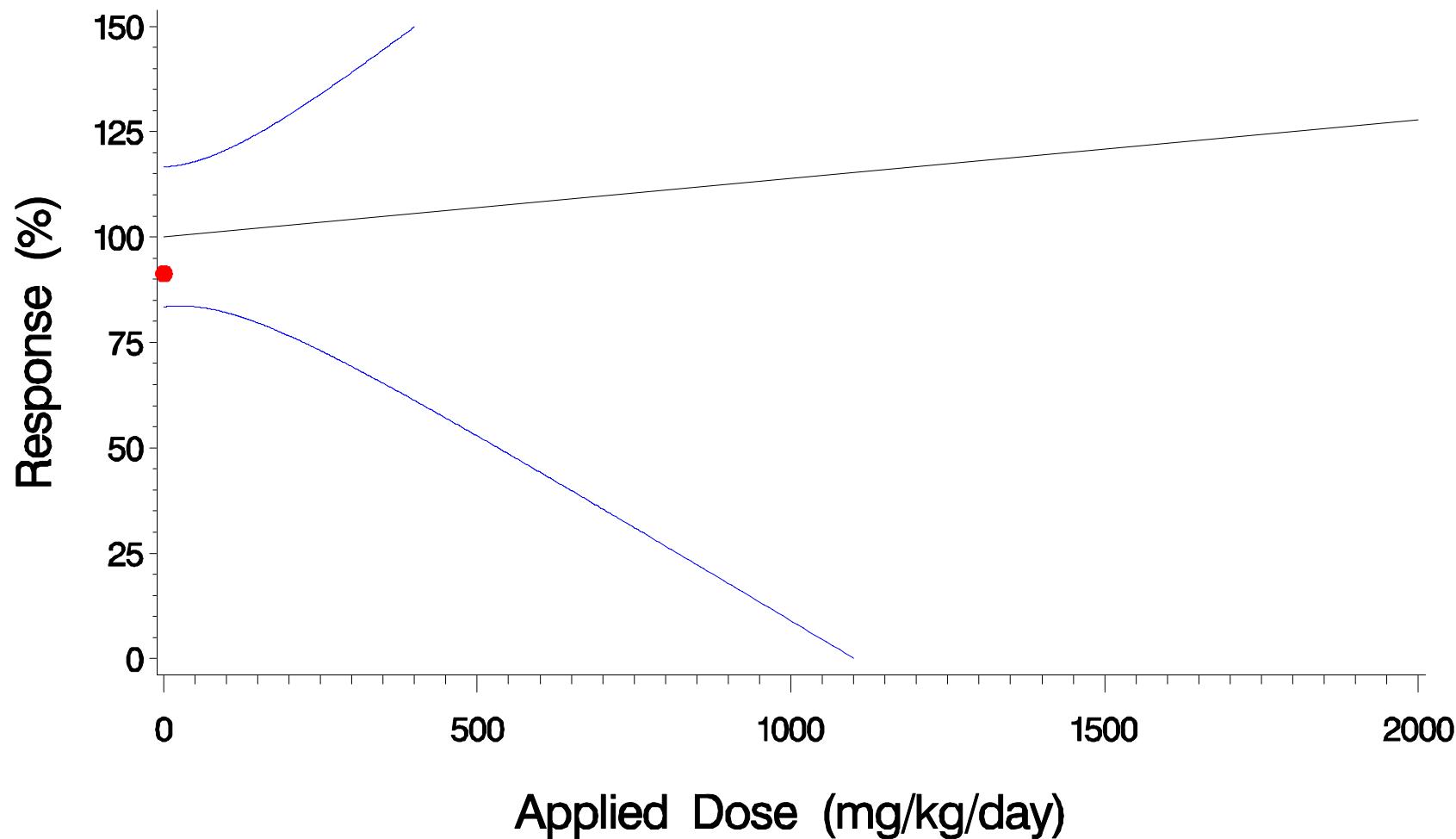
Gas Oil
Post-natal Live Litter Size
sample_no = F - 193



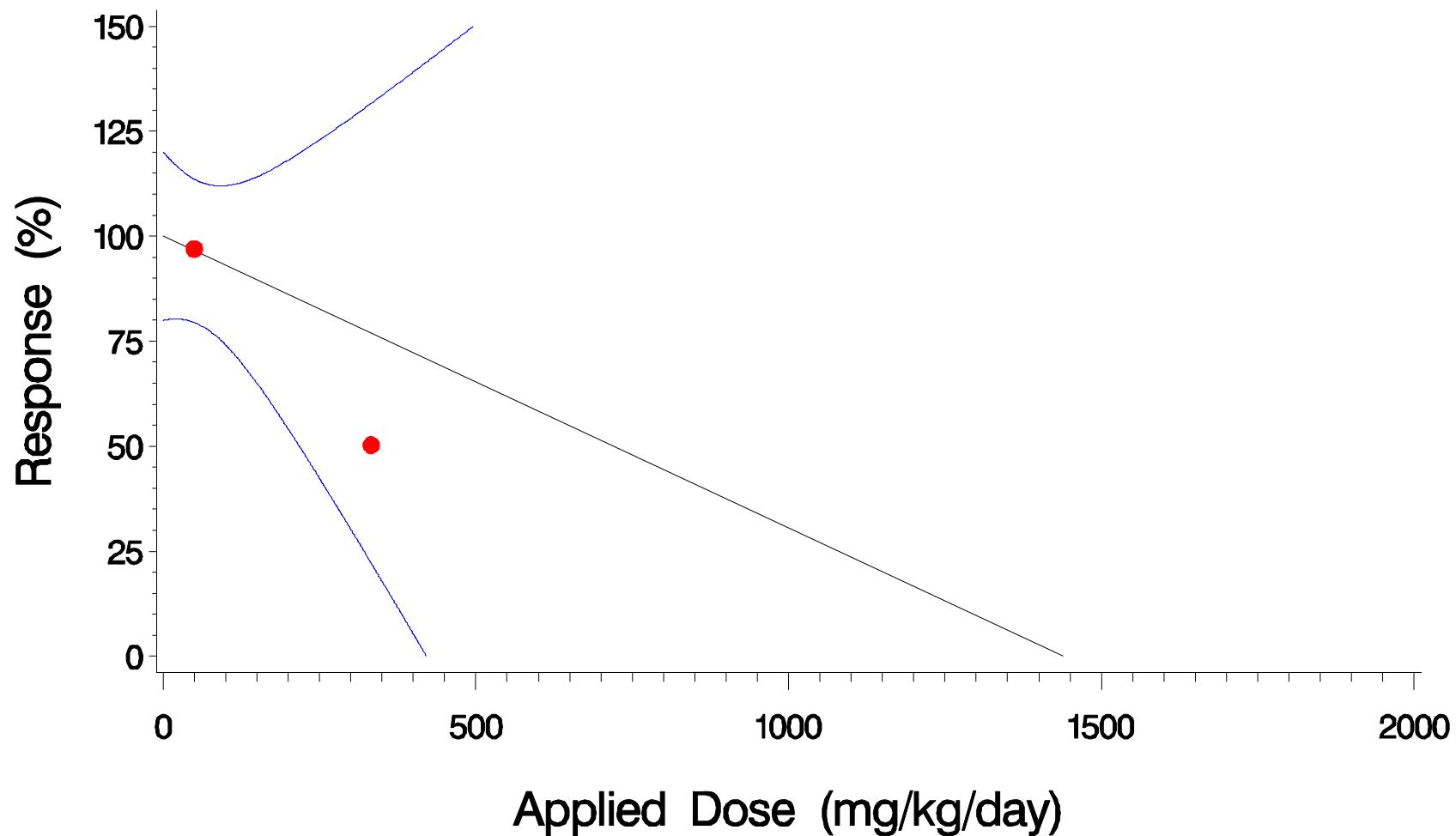
Gas Oil
Post-natal Live Litter Size
sample_no = F - 195



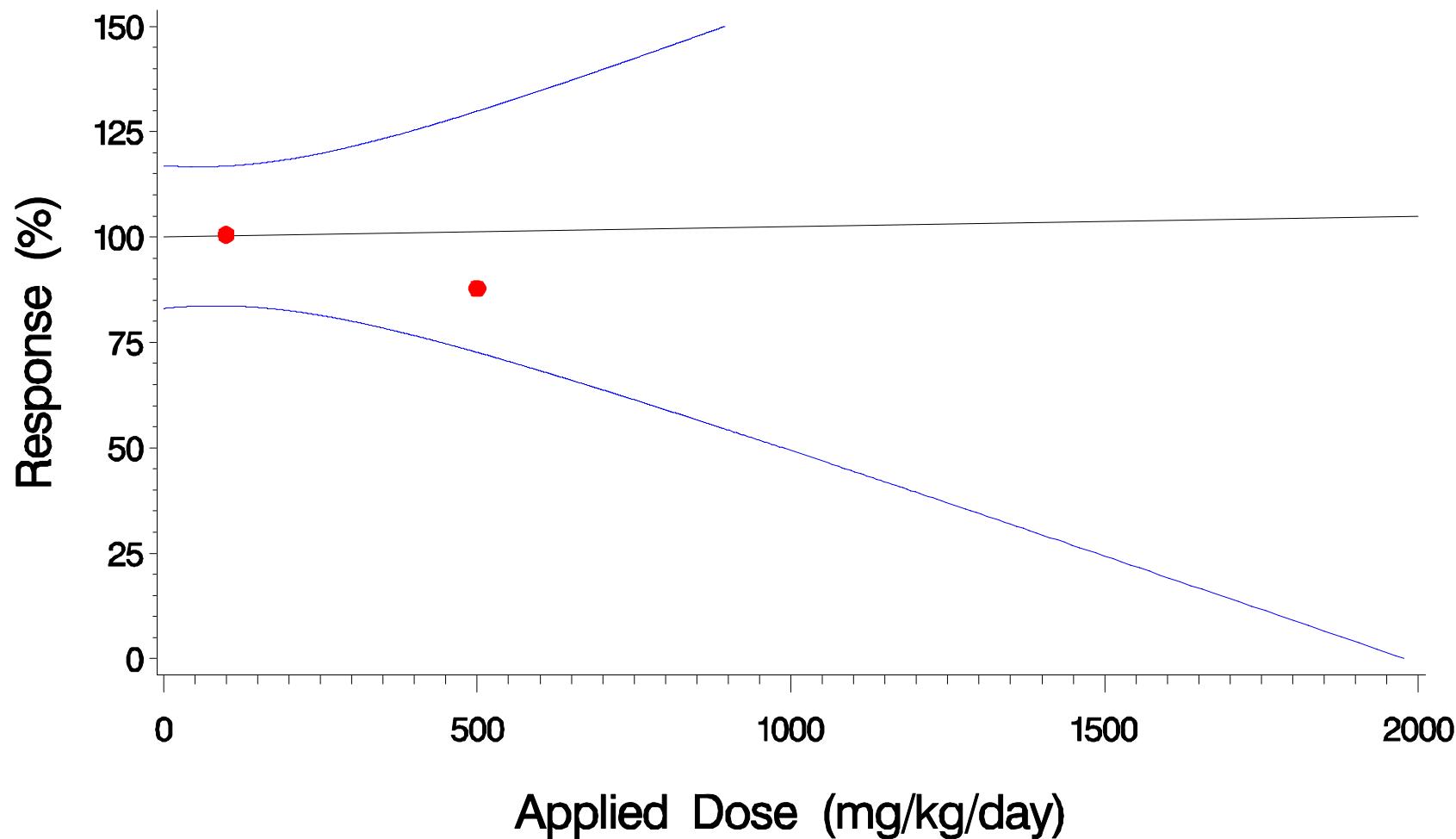
Gas Oil
Post-natal Live Litter Size
sample_no = F - 199



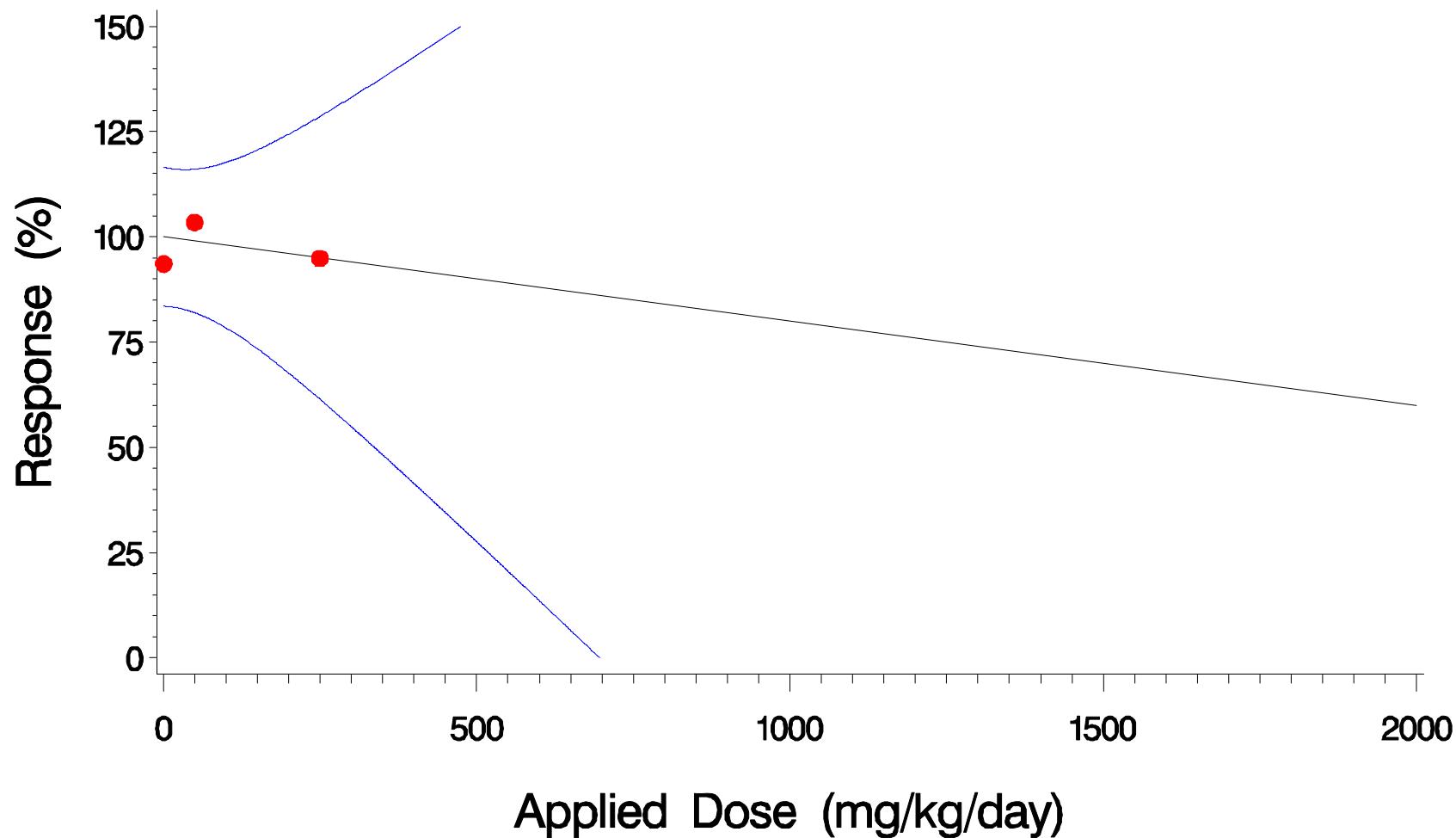
Gas Oil
Post-natal Live Litter Size
sample_no = F - 213



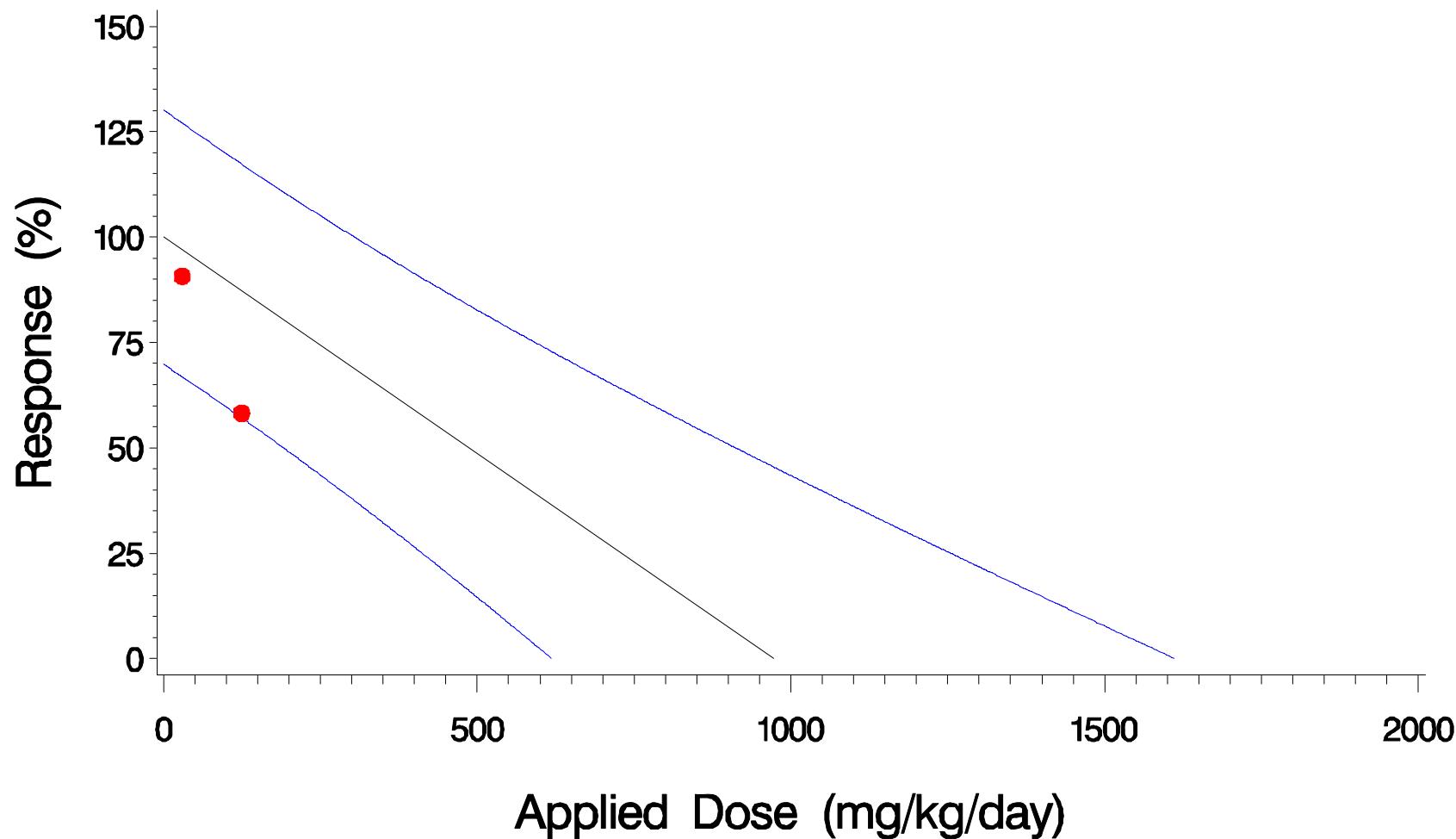
Gas Oil
Post-natal Live Litter Size
sample_no = F - 233



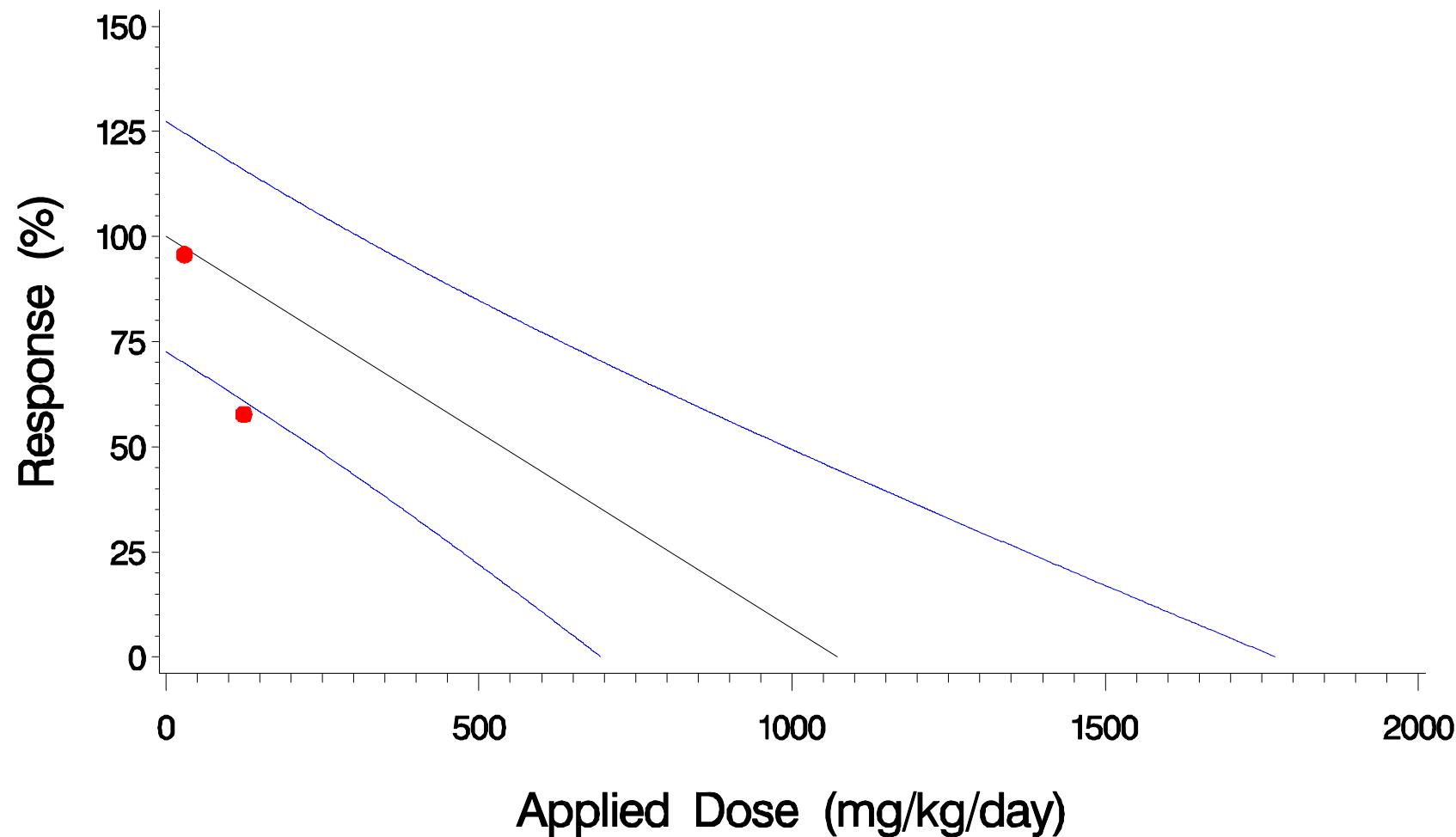
Gas Oil
Post-natal Live Litter Size
sample_no = F - 277



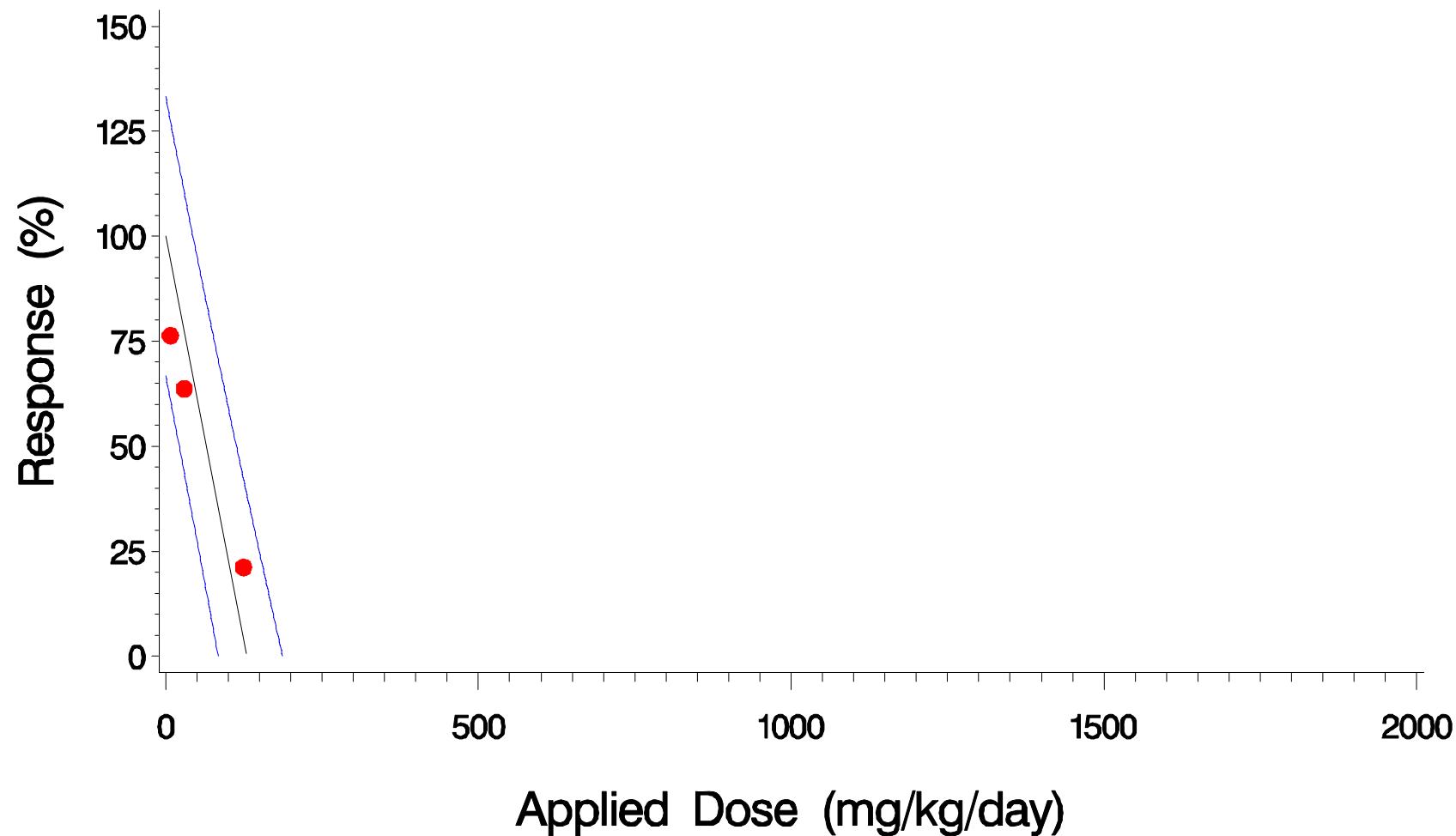
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=83366 Sex=female



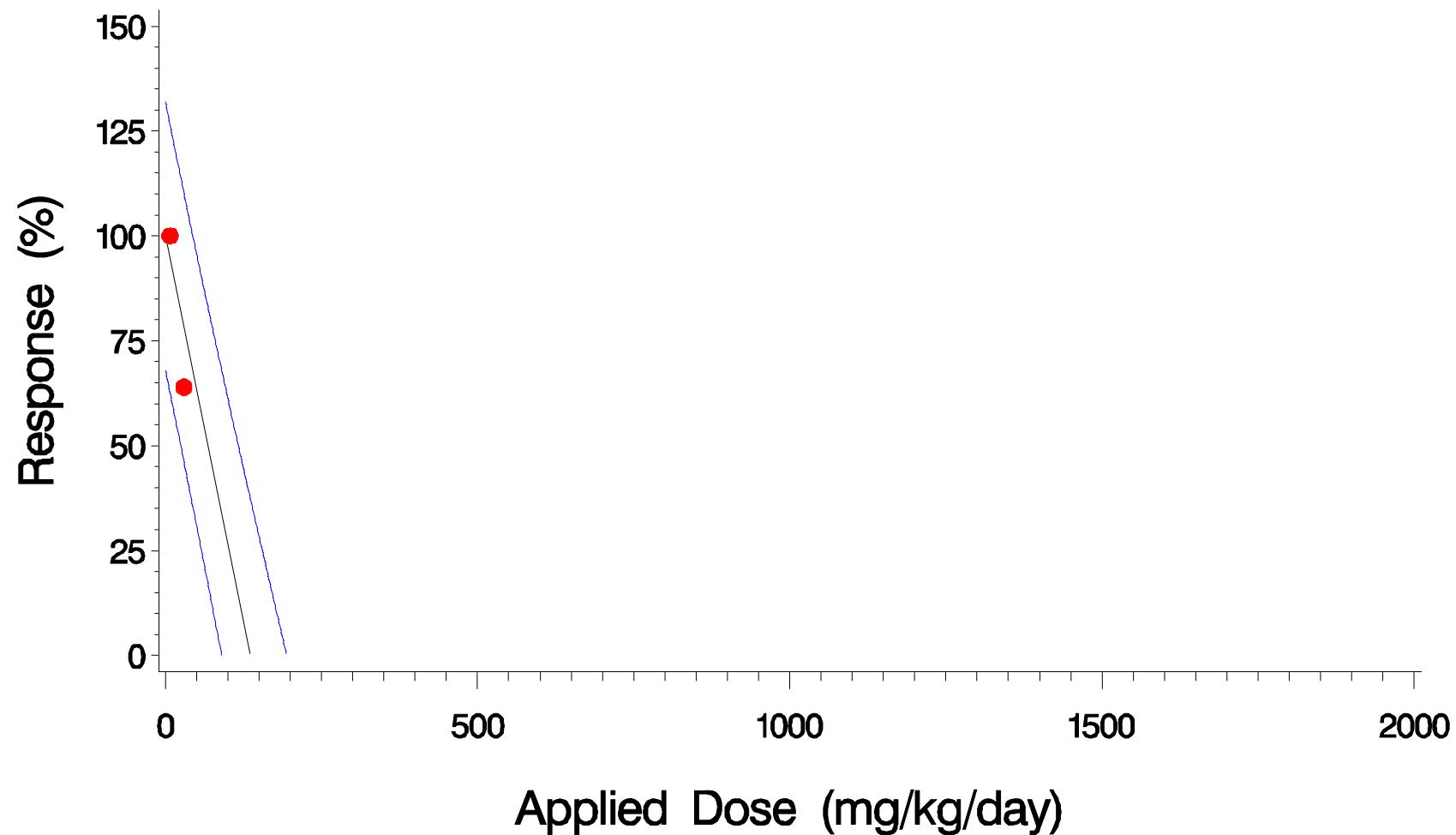
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 83366 Sex = male



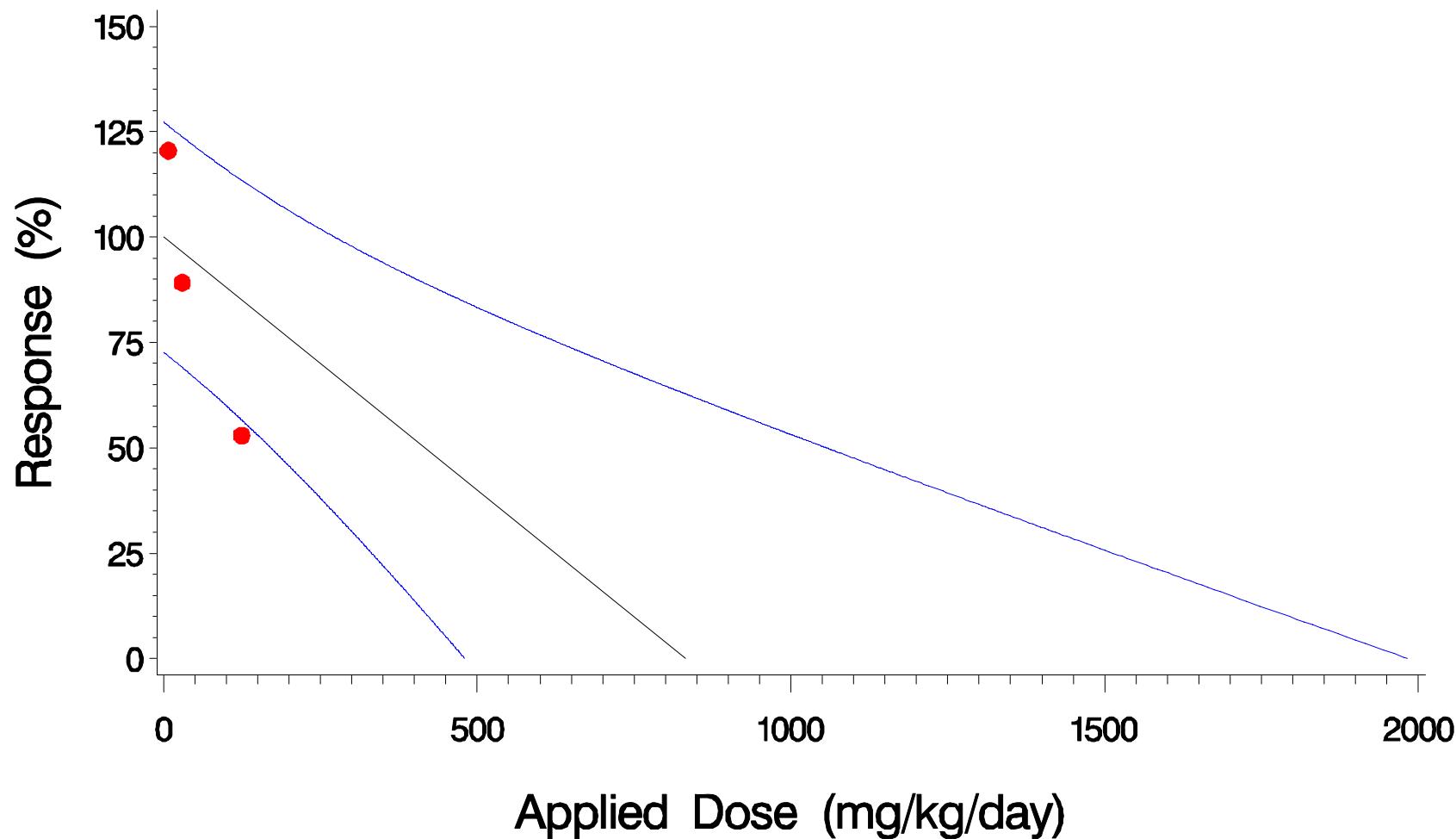
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=86001 Sex=female



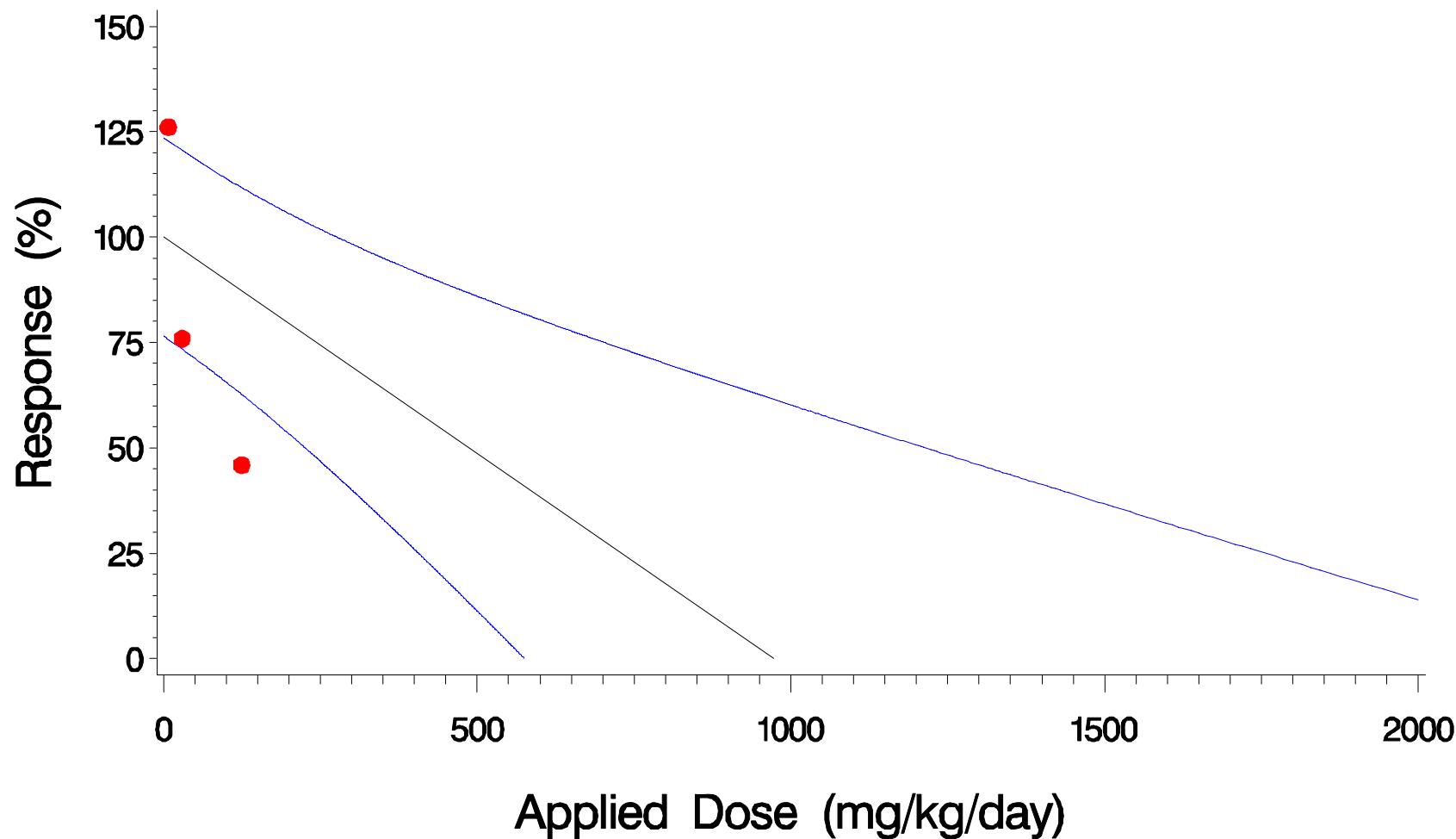
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86001 Sex = male



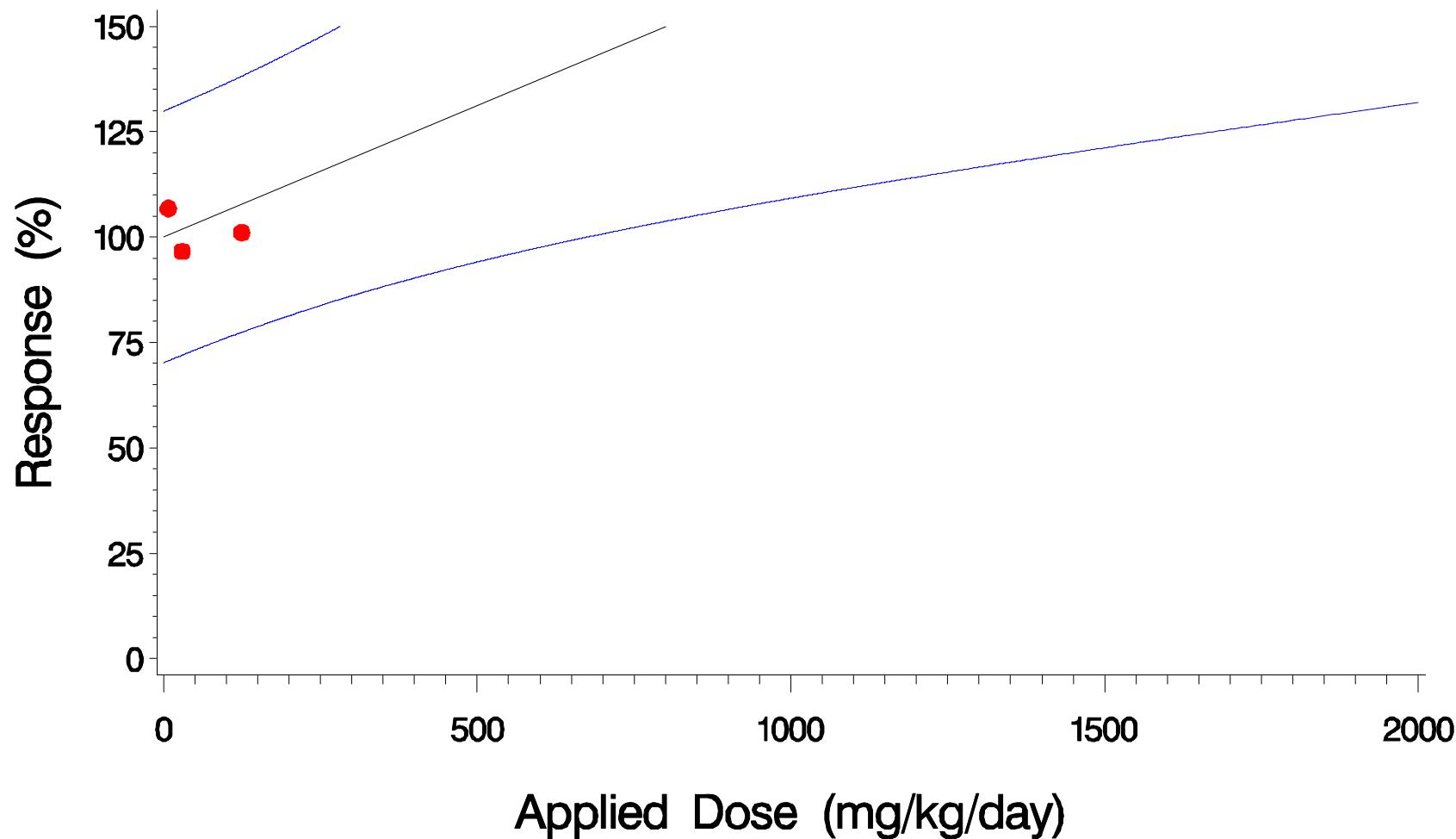
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86181 Sex = female



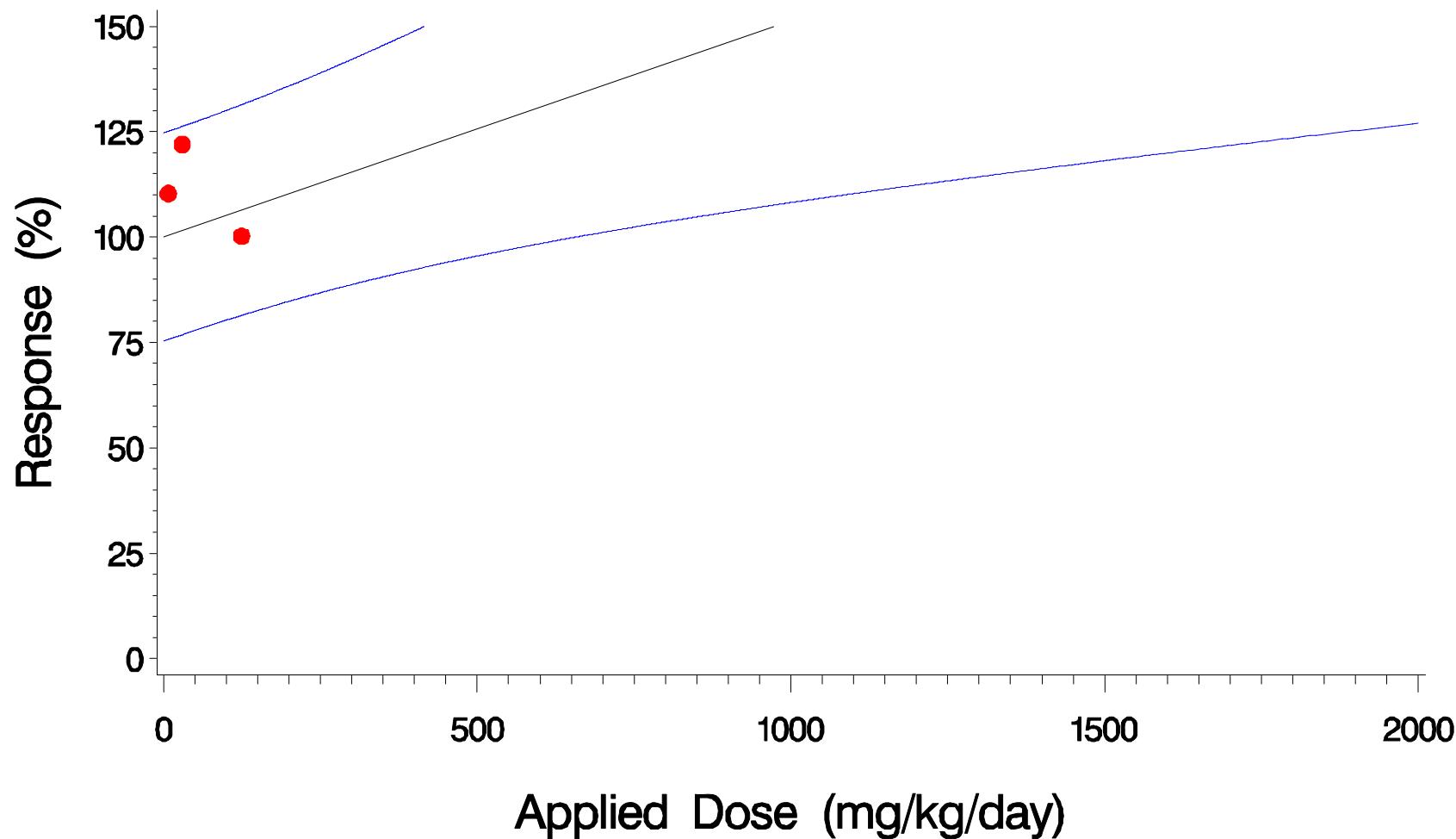
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86181 Sex = male



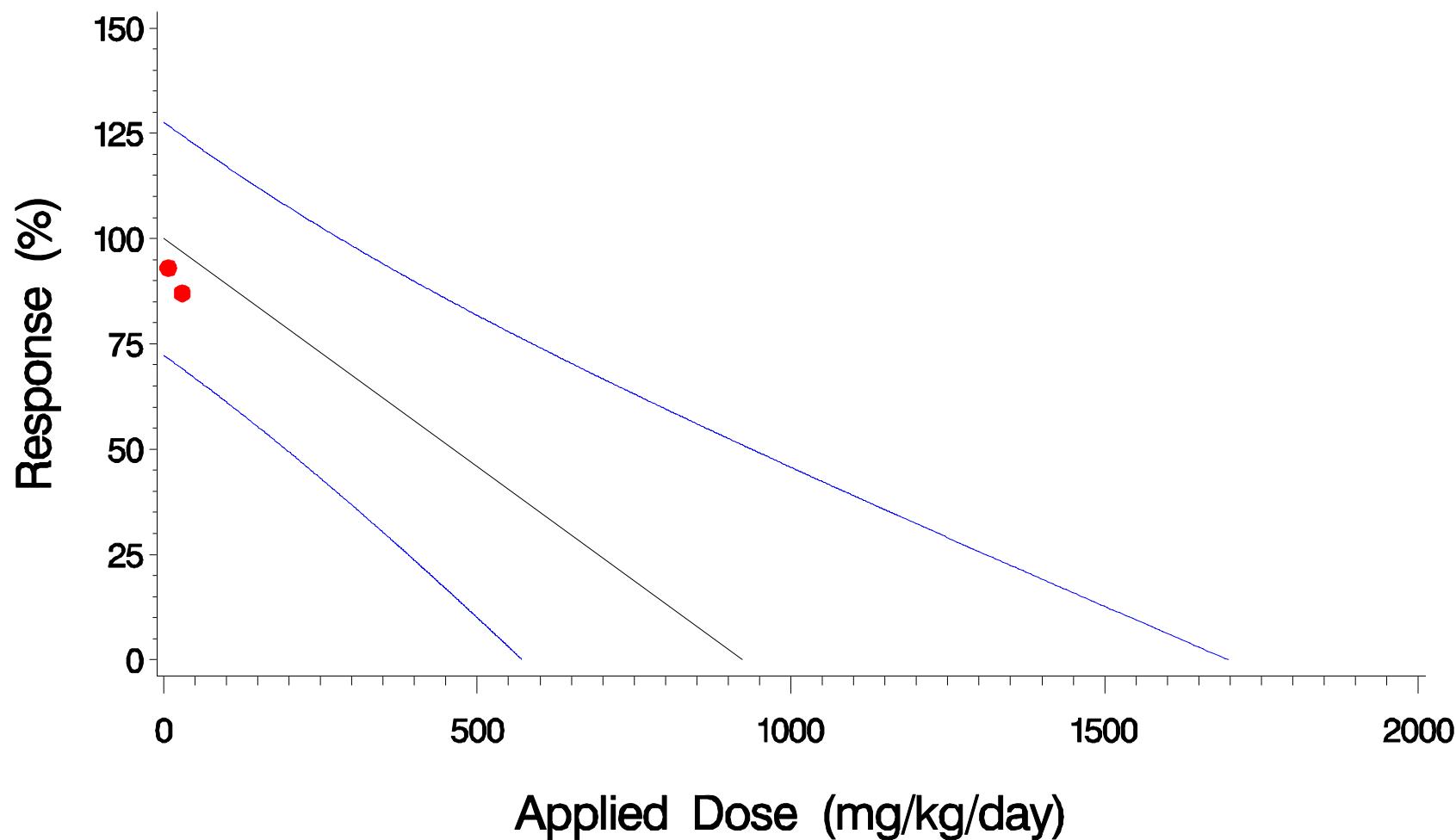
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=86193 Sex=female



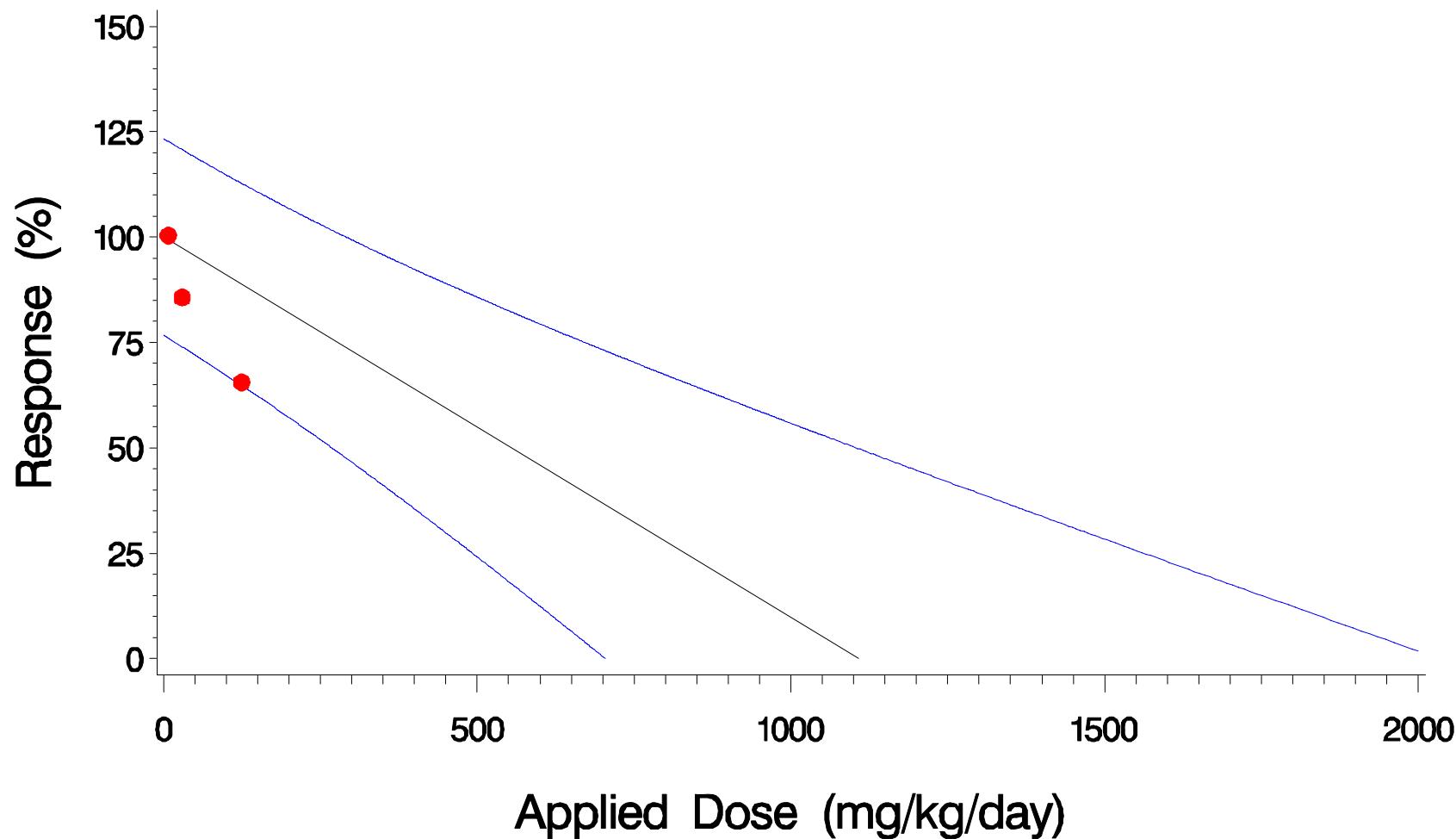
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86193 Sex = male



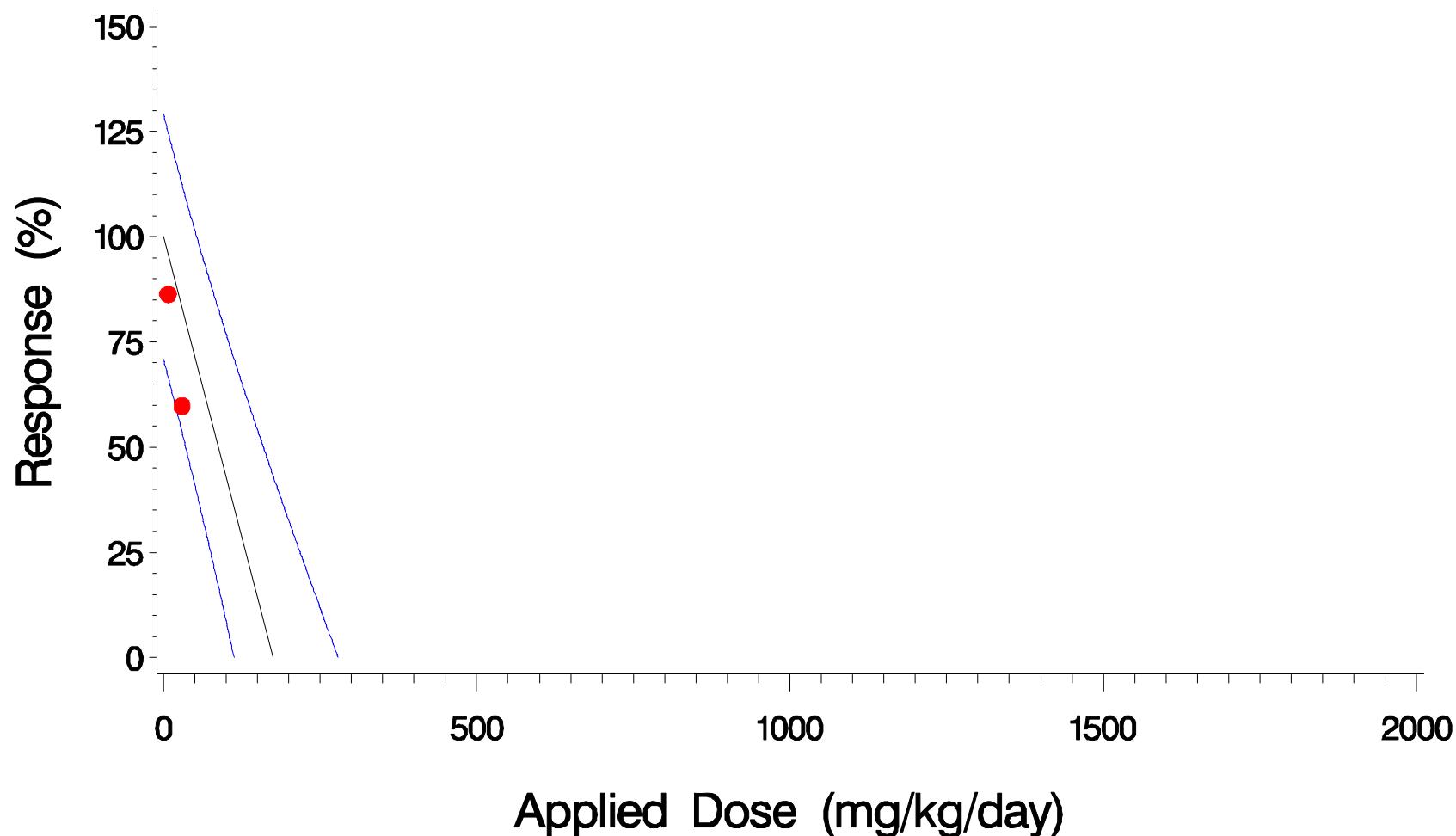
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=86272 Sex=female



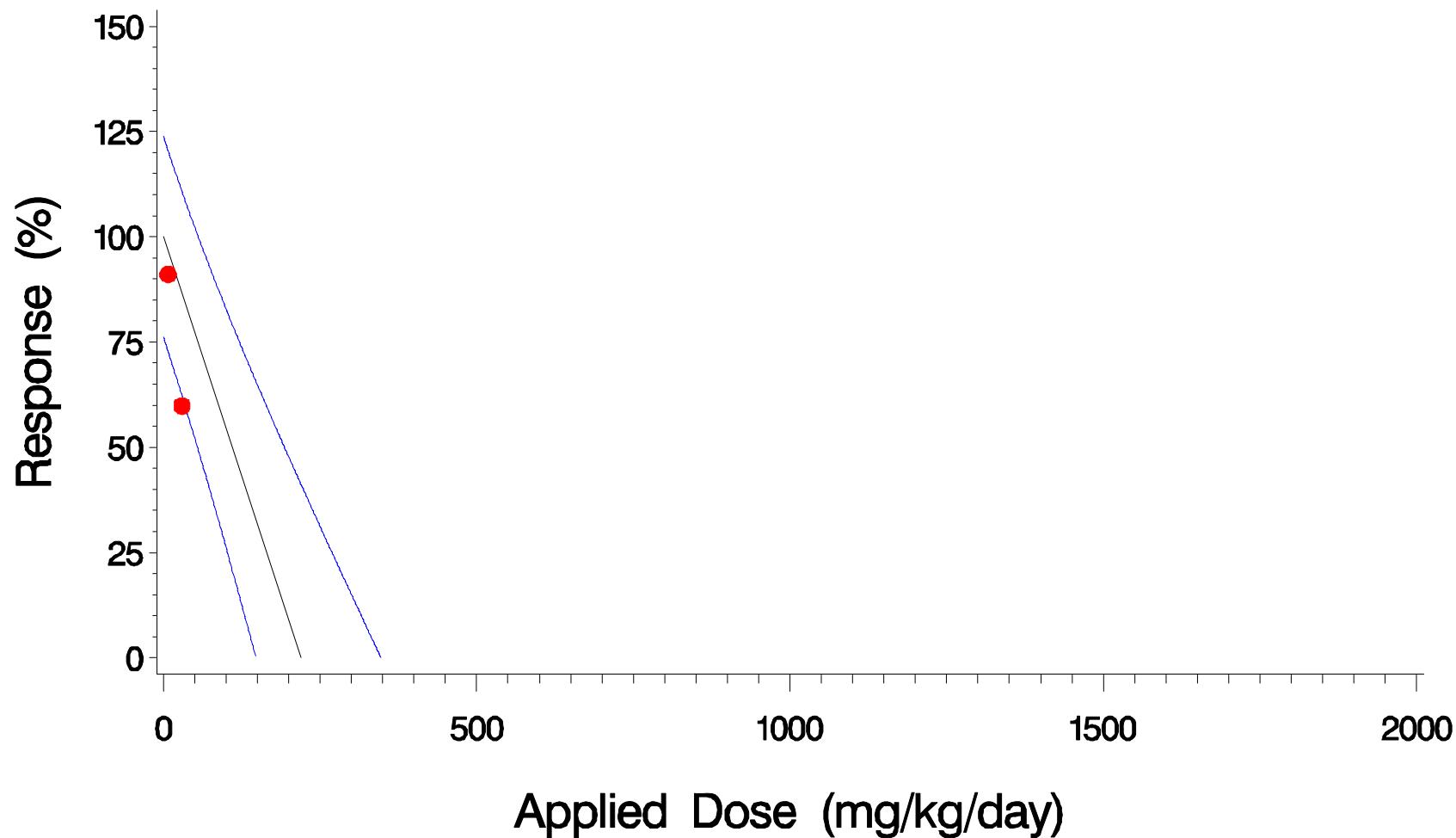
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86272 Sex = male



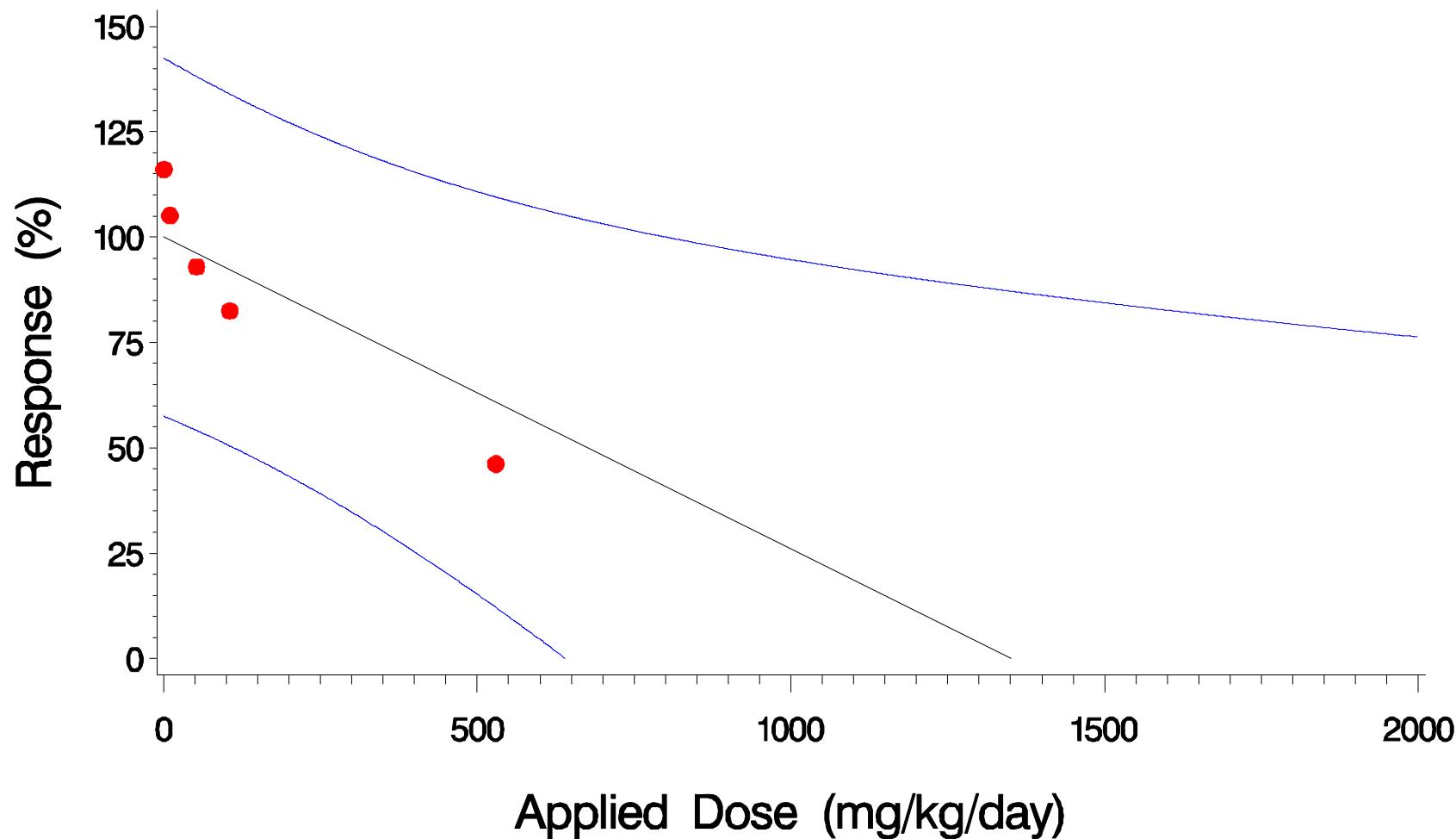
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=86484 Sex=female



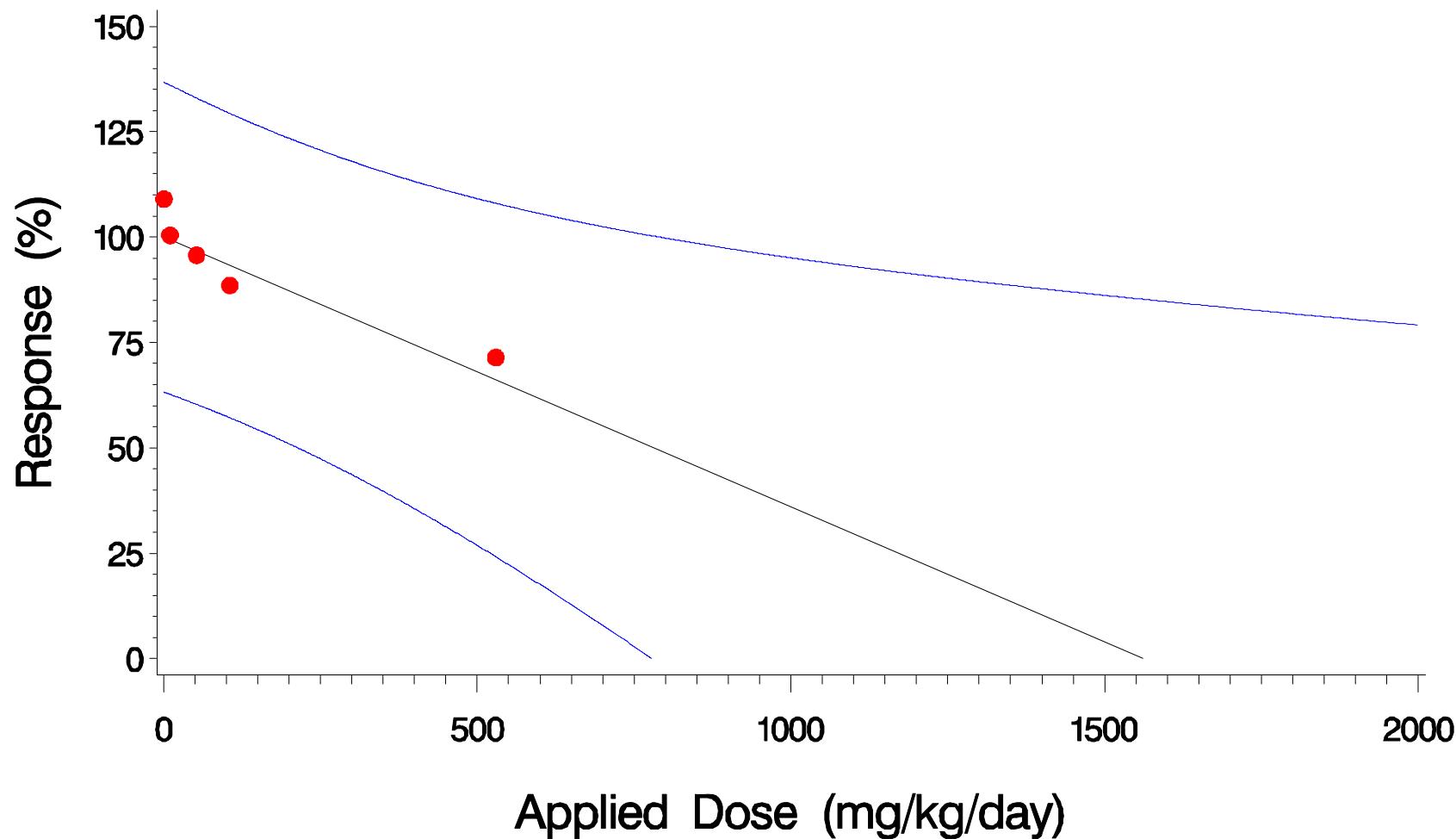
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = 86484 Sex = male



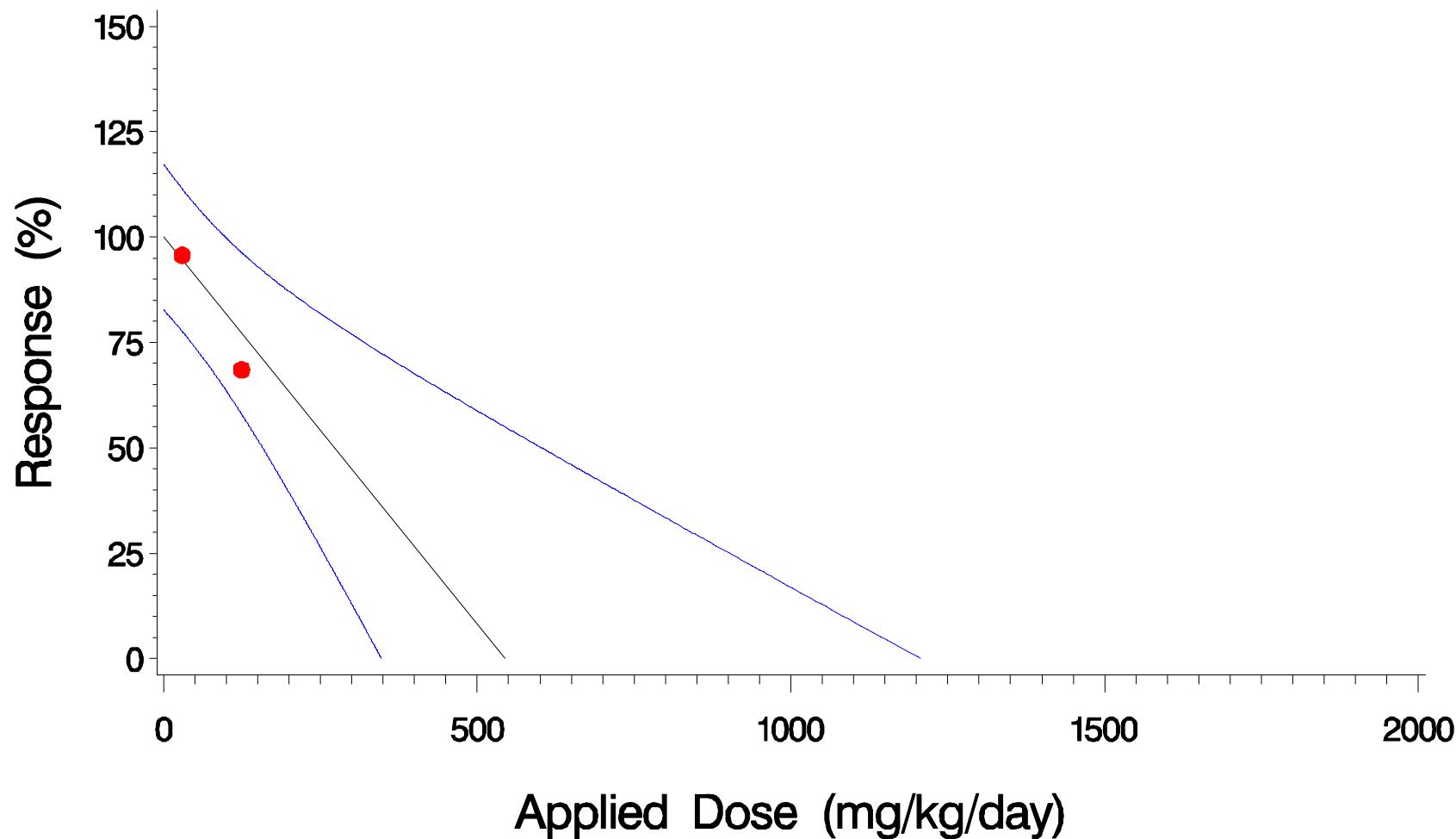
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no=F-179 Sex=female



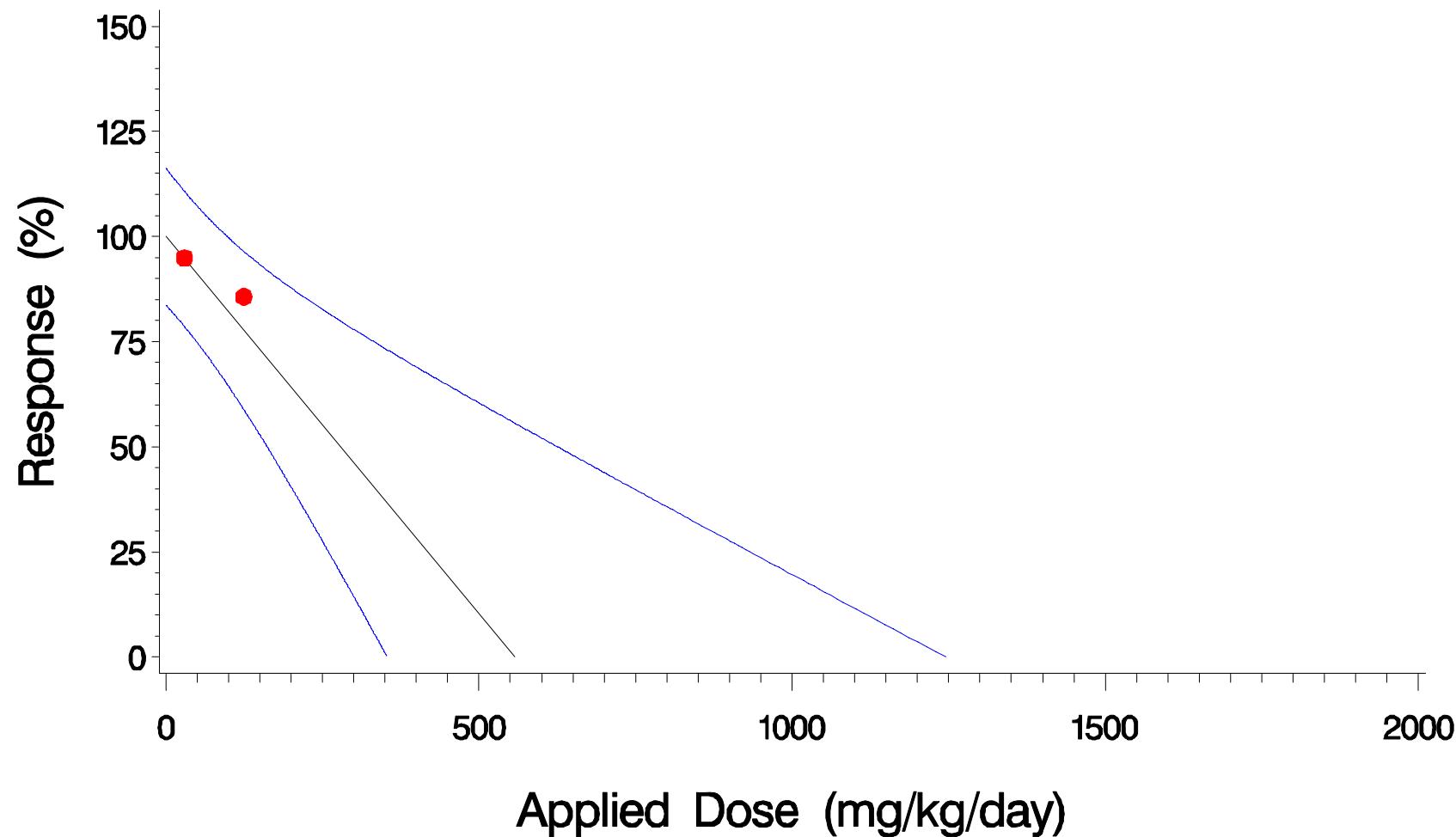
Heavy Fuel Oil
Repeat Dose Thymus Weight
sample_no = F – 179 Sex = male



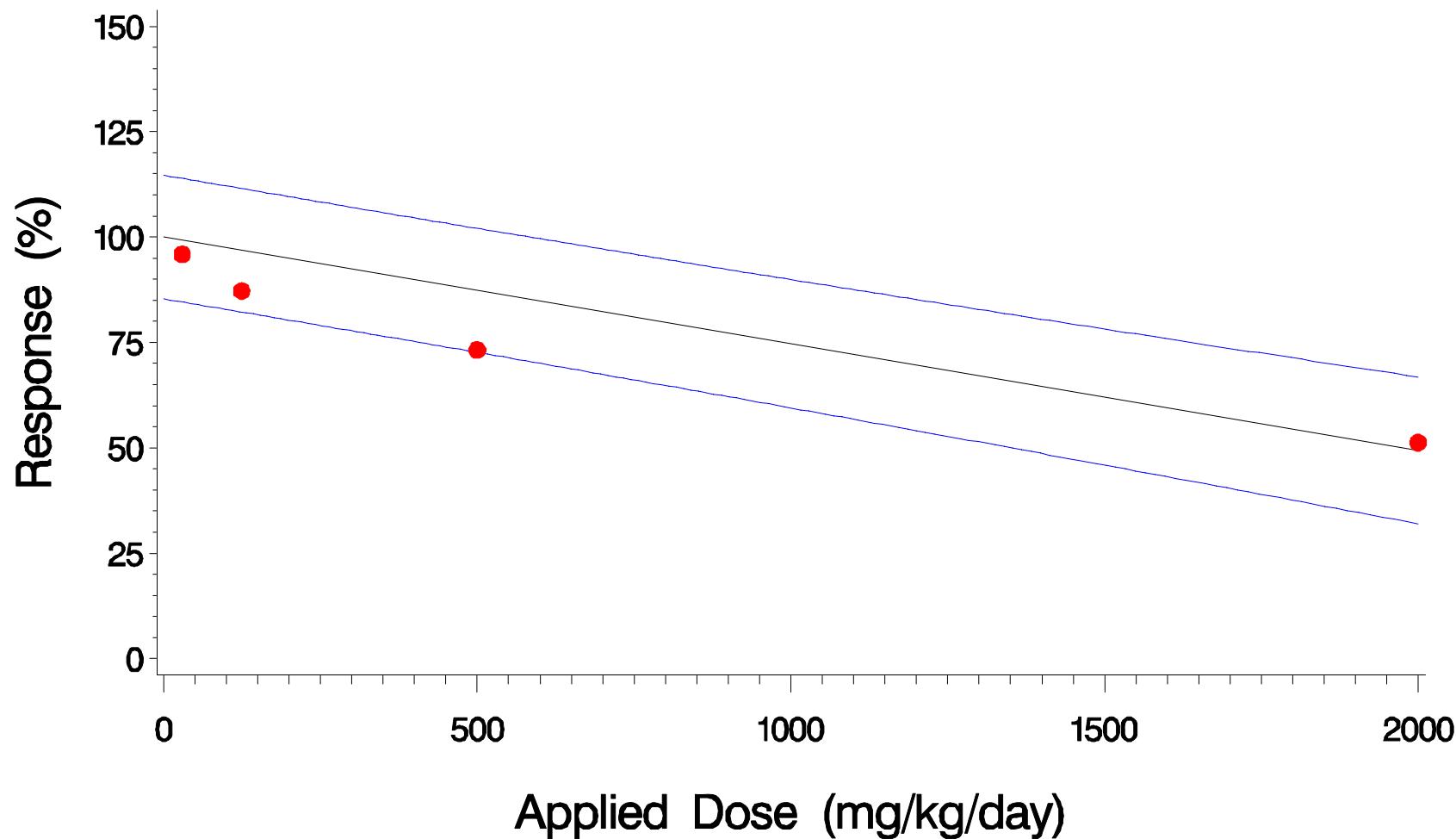
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no=83366 Sex=female



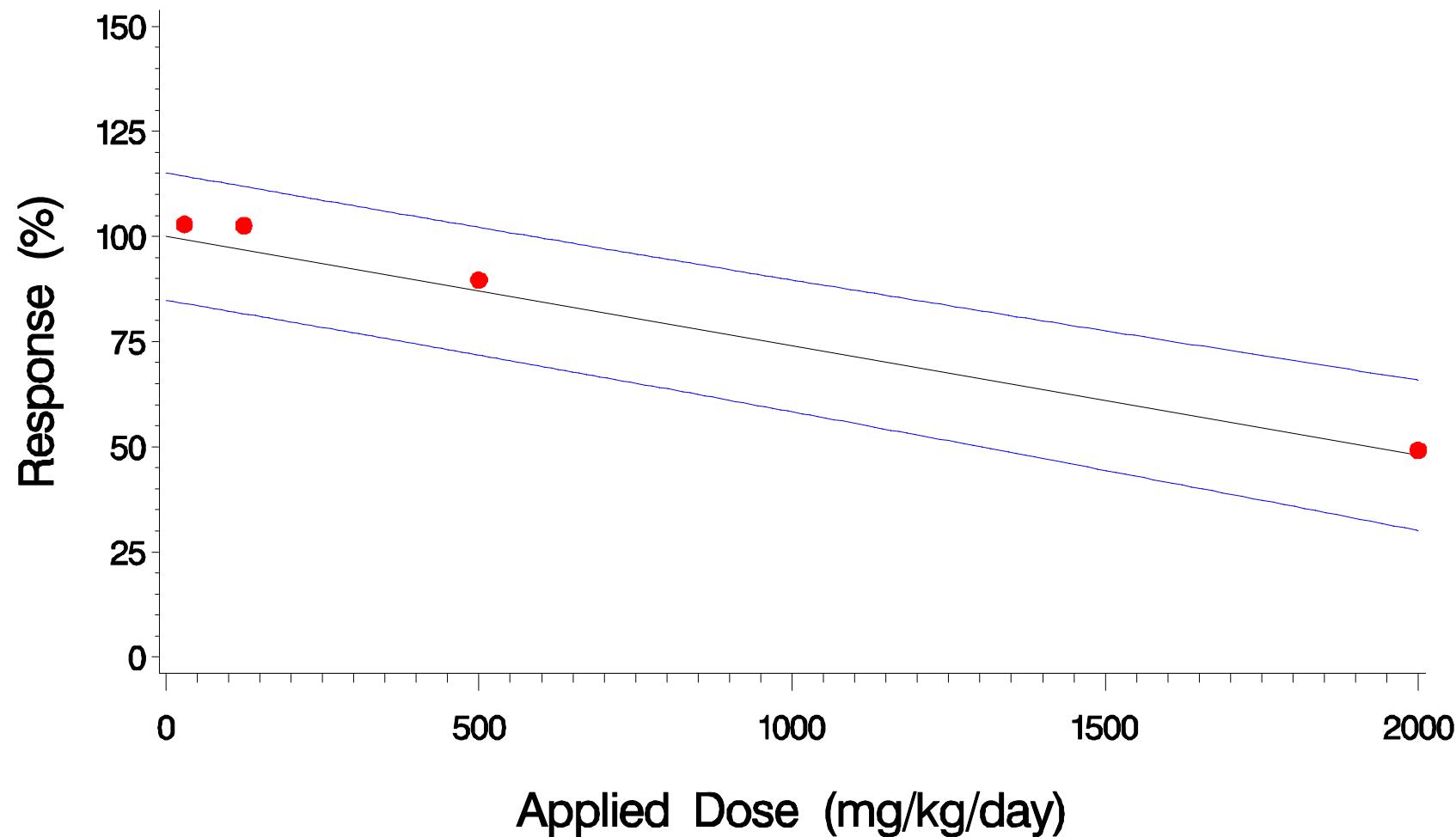
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 83366 Sex = male



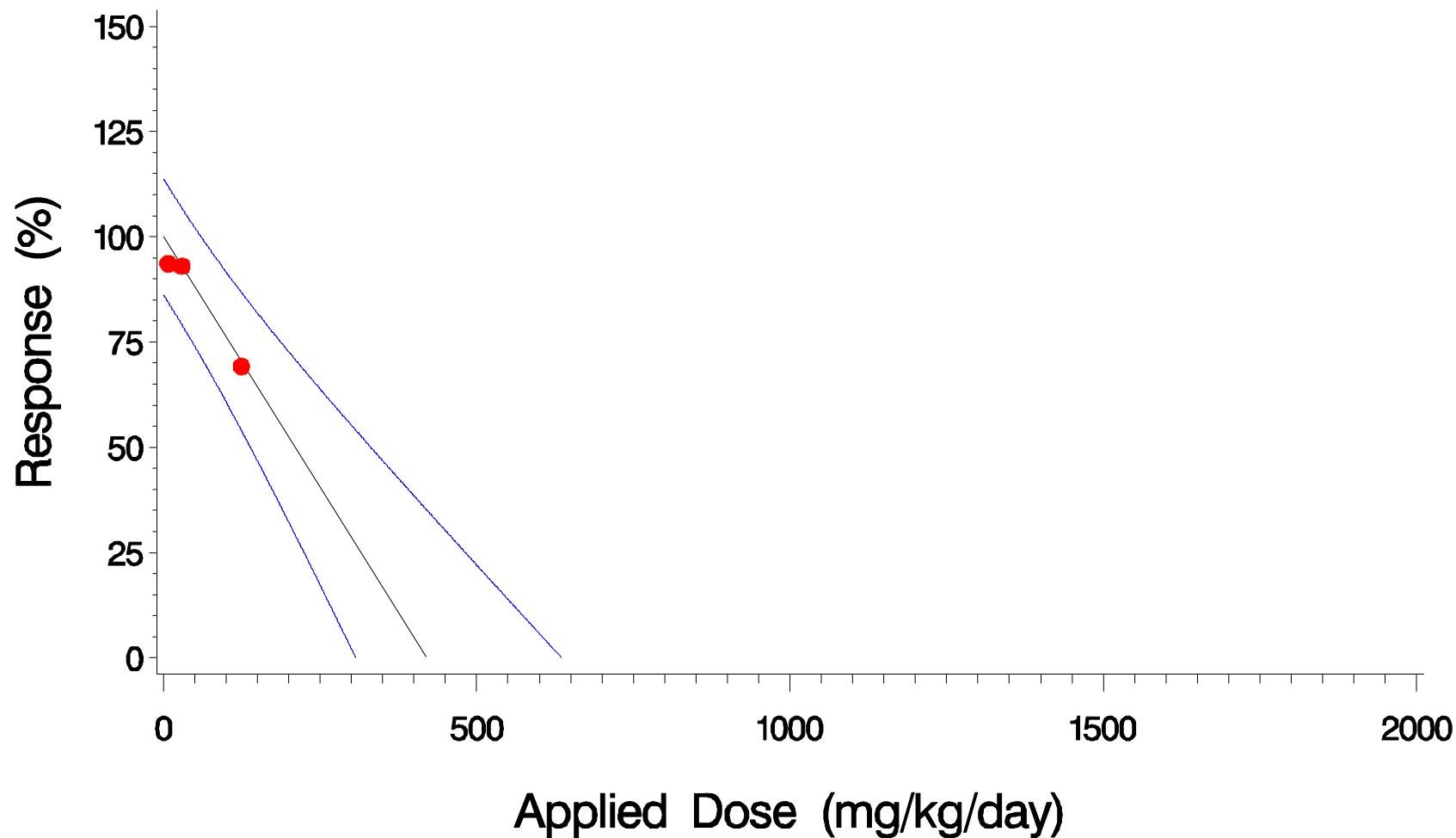
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no=85244 Sex=female



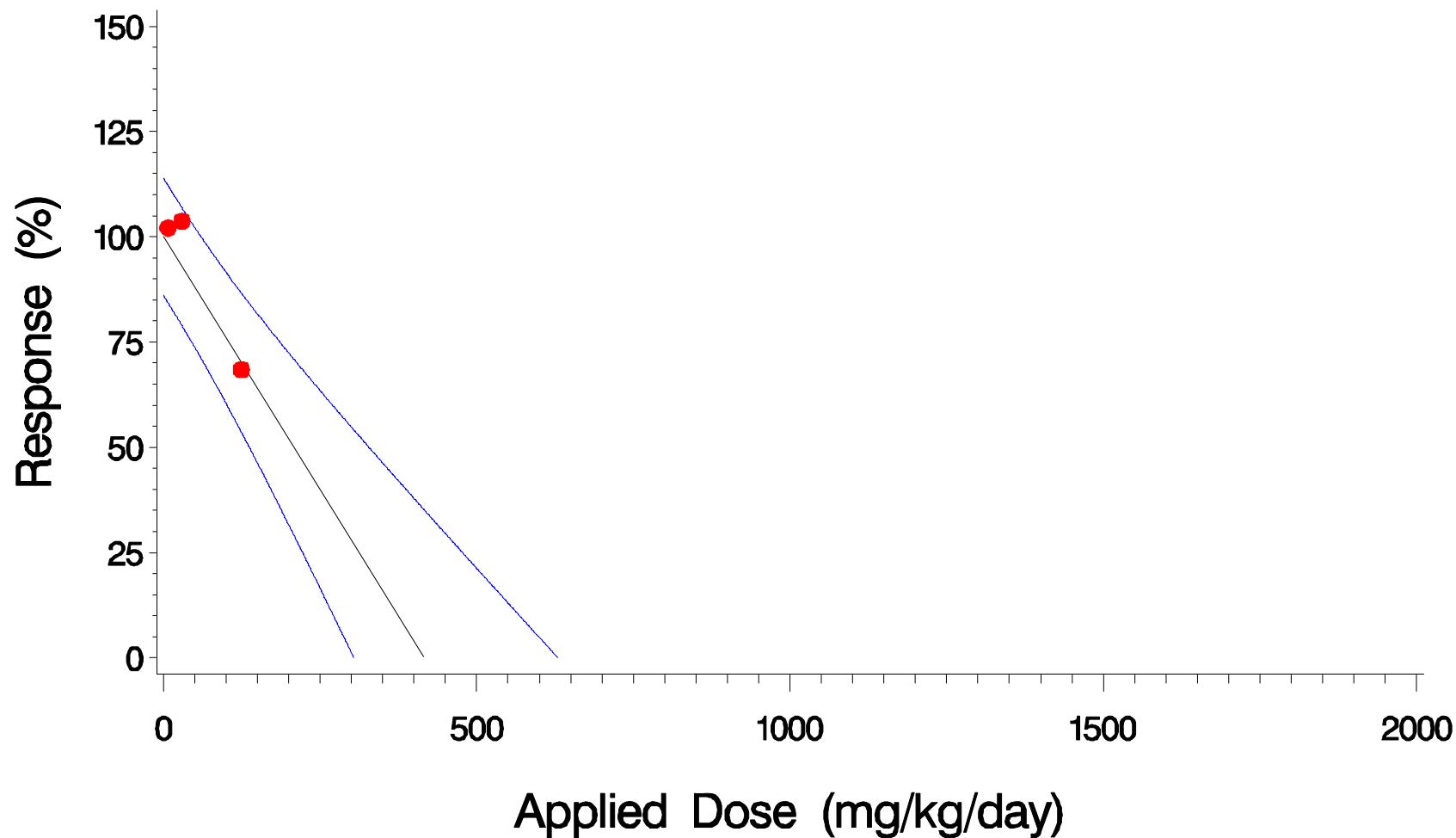
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 85244 Sex = male



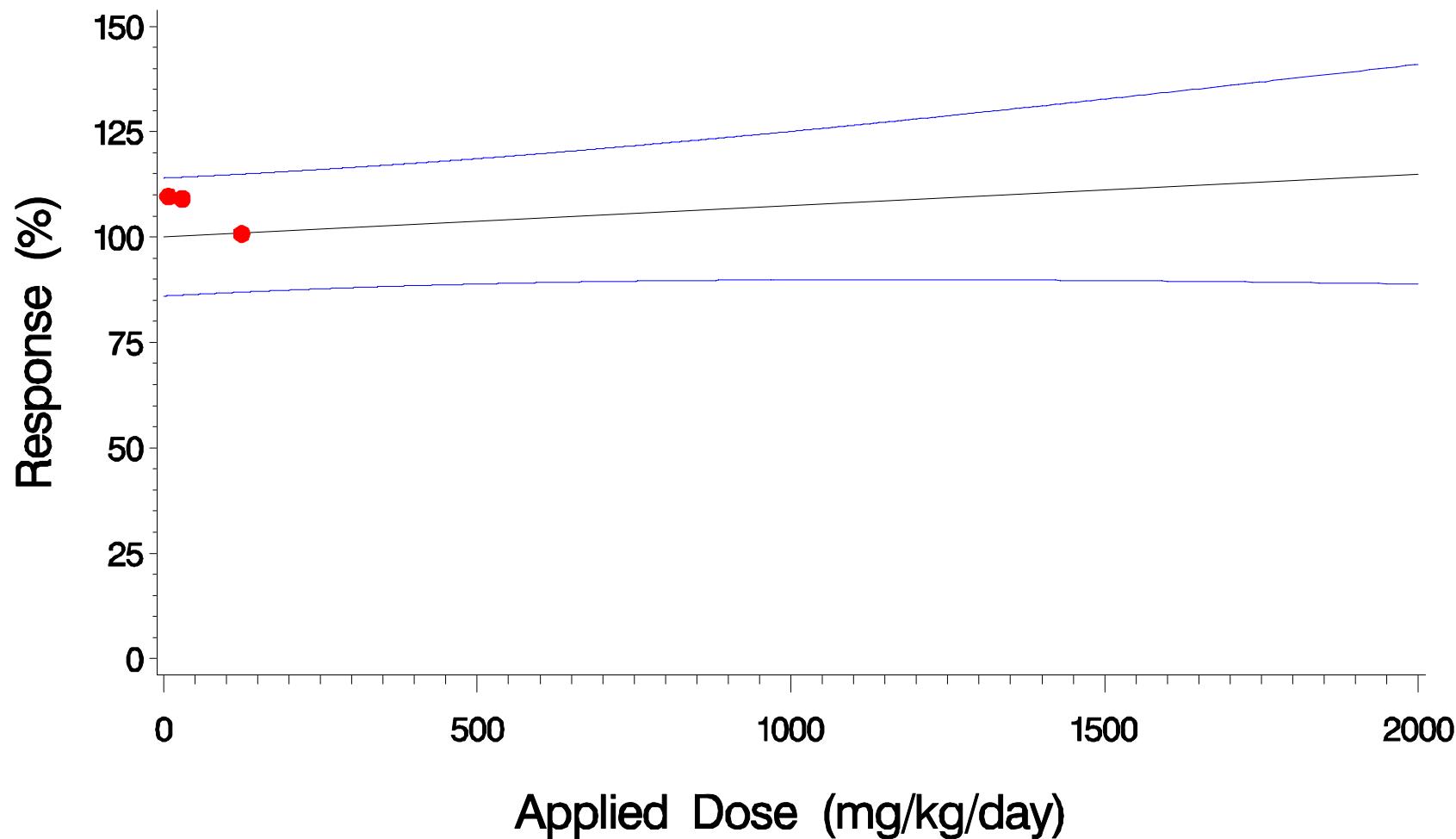
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86181 Sex = female



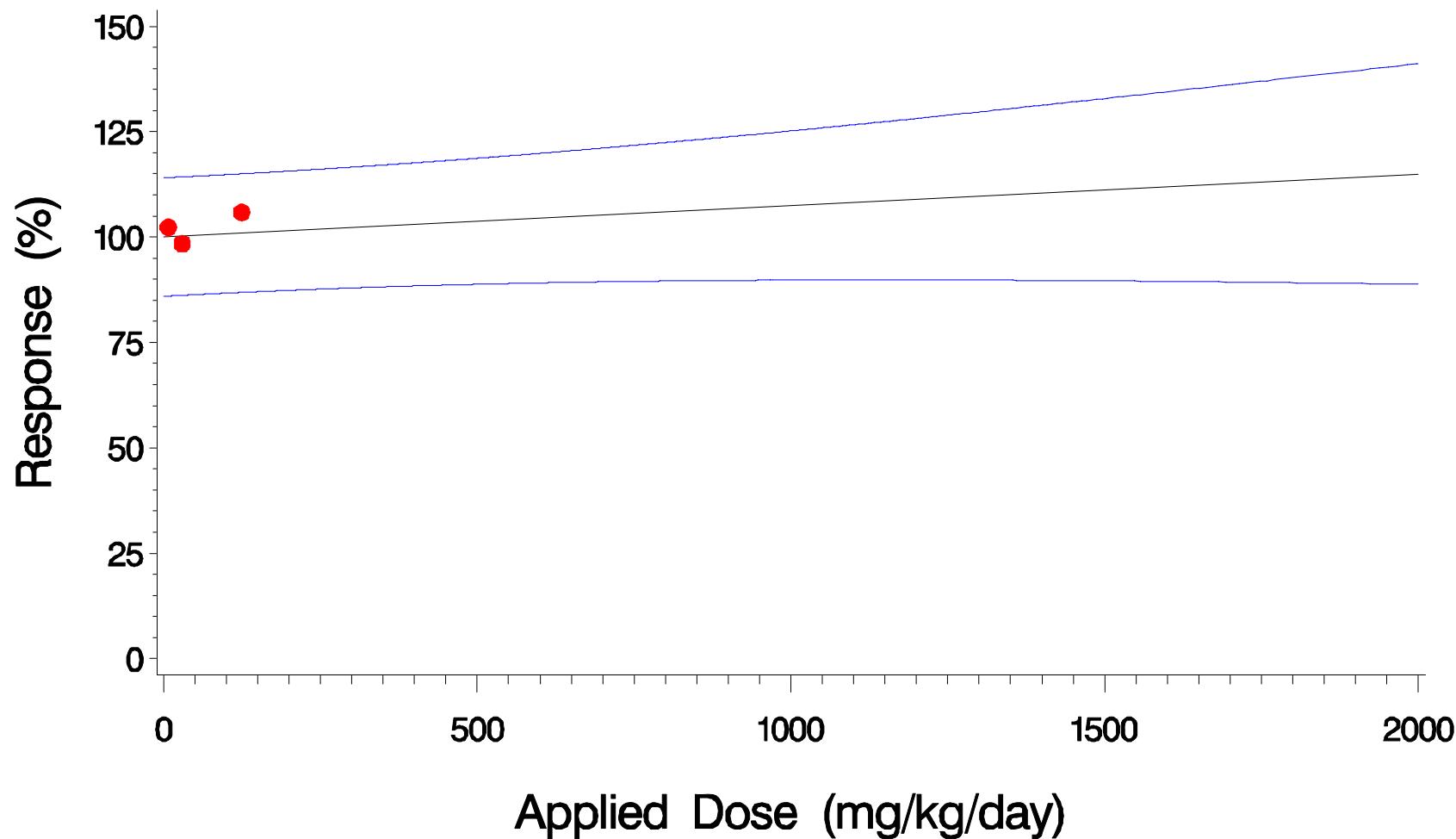
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86181 Sex = male



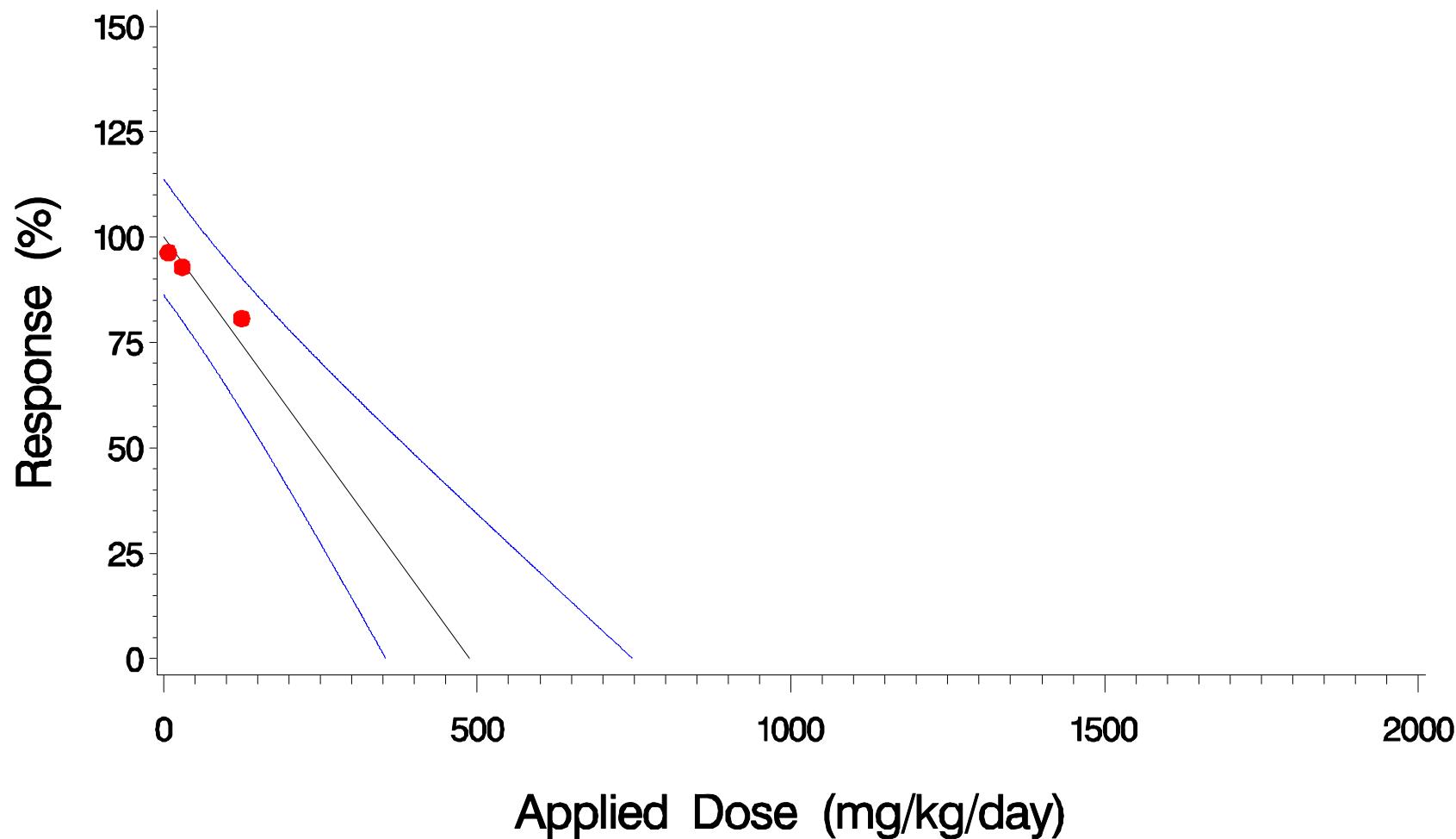
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86193 Sex = female



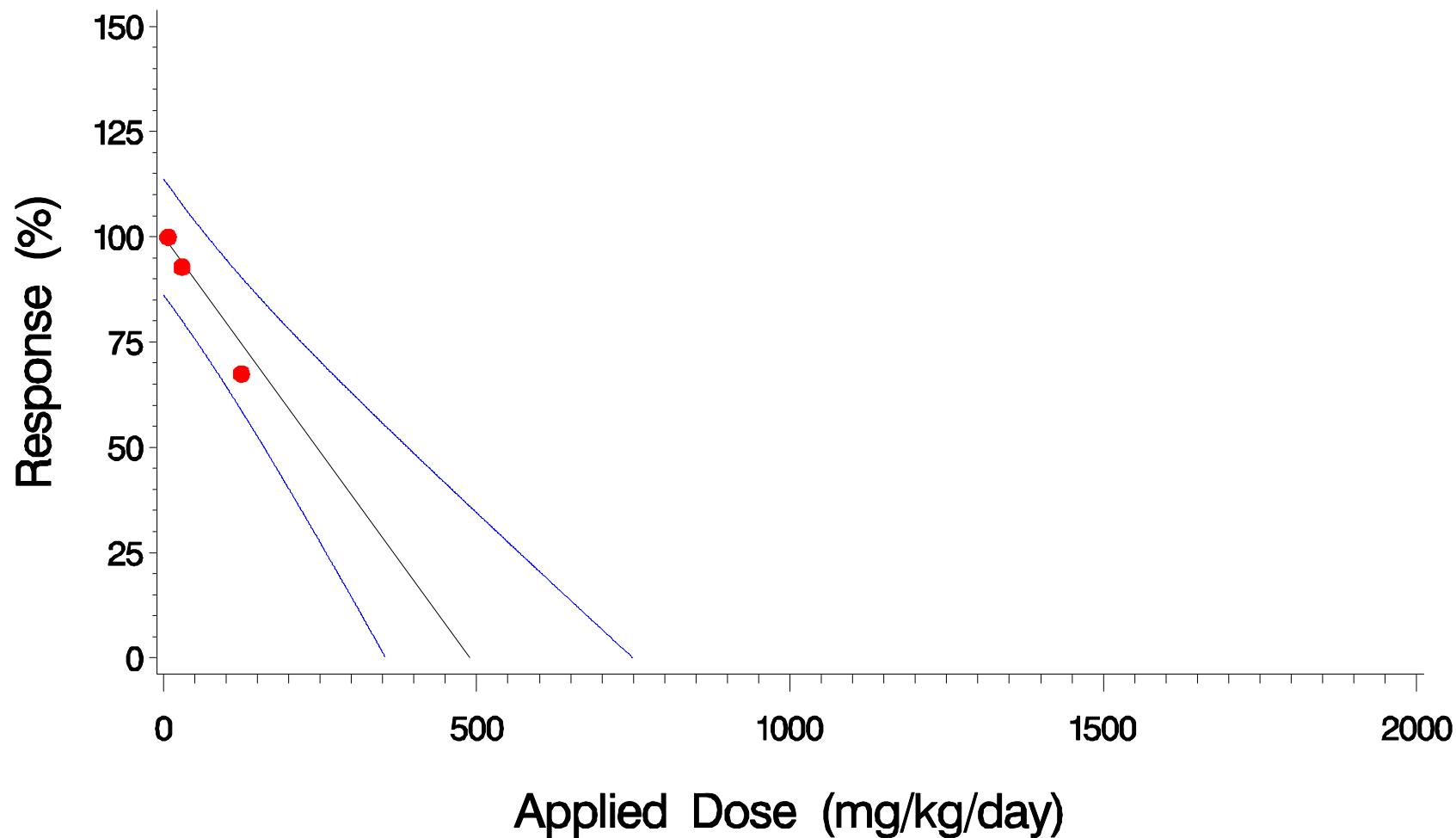
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86193 Sex = male



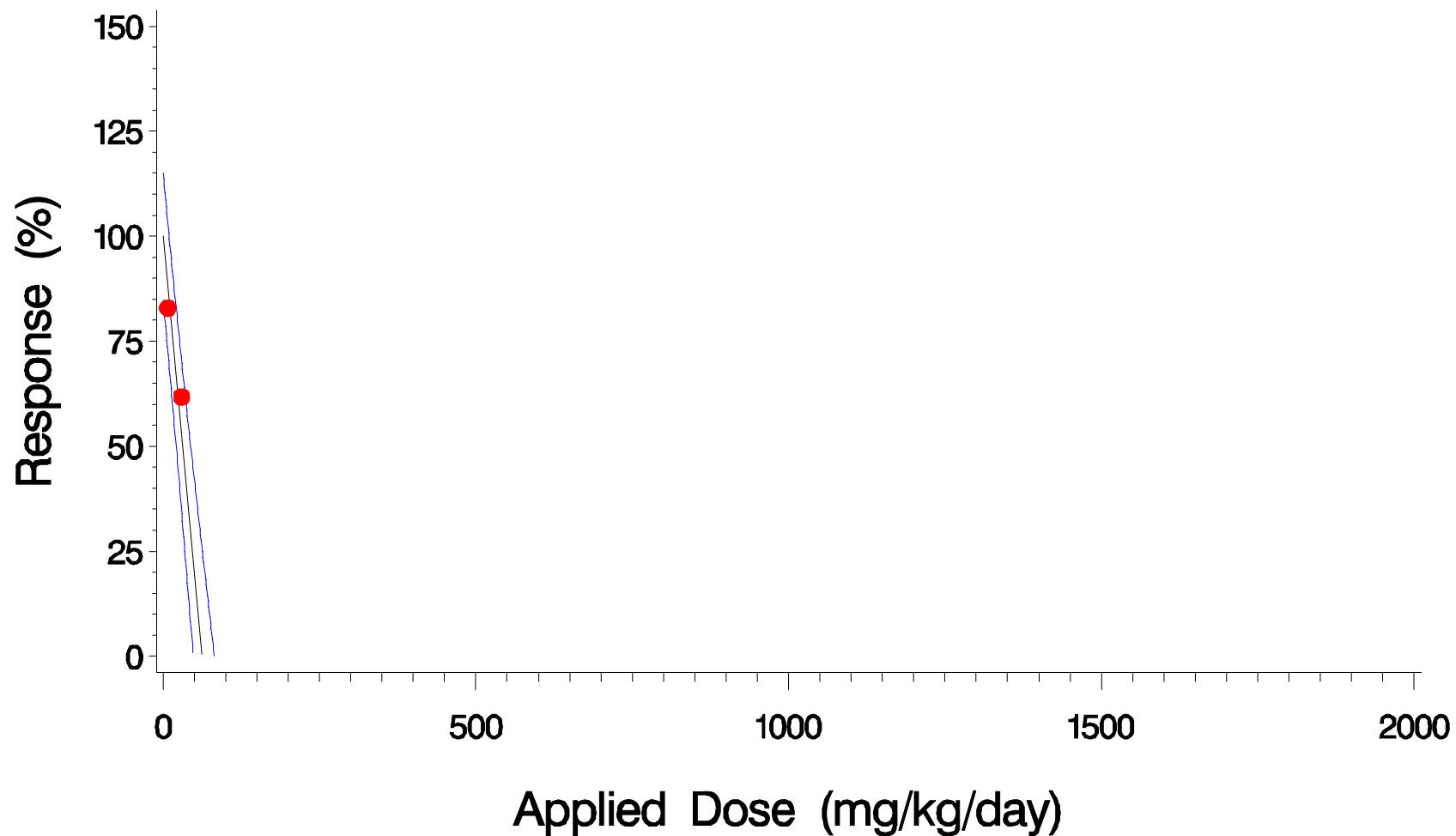
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no=86272 Sex=female



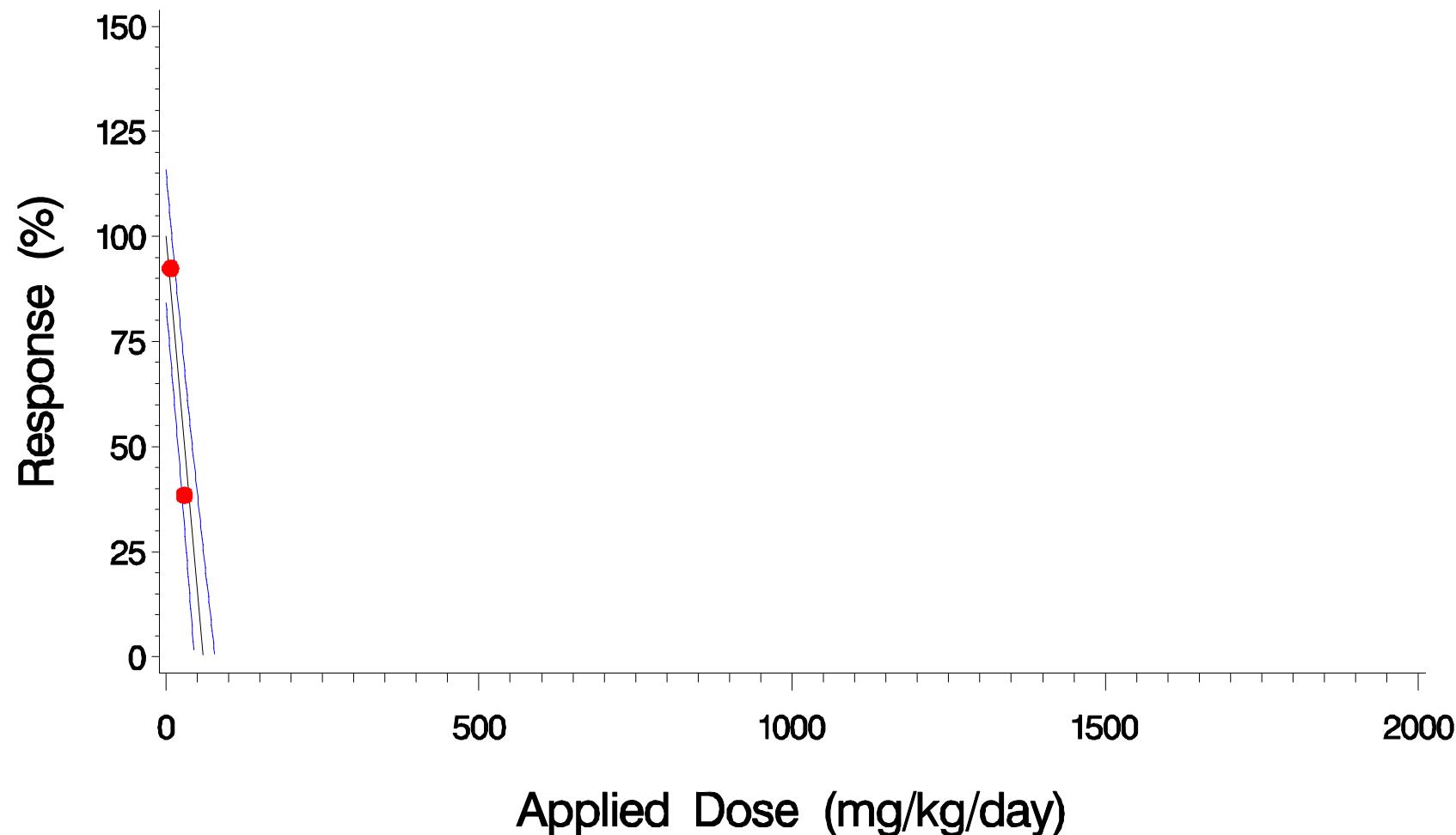
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86272 Sex = male



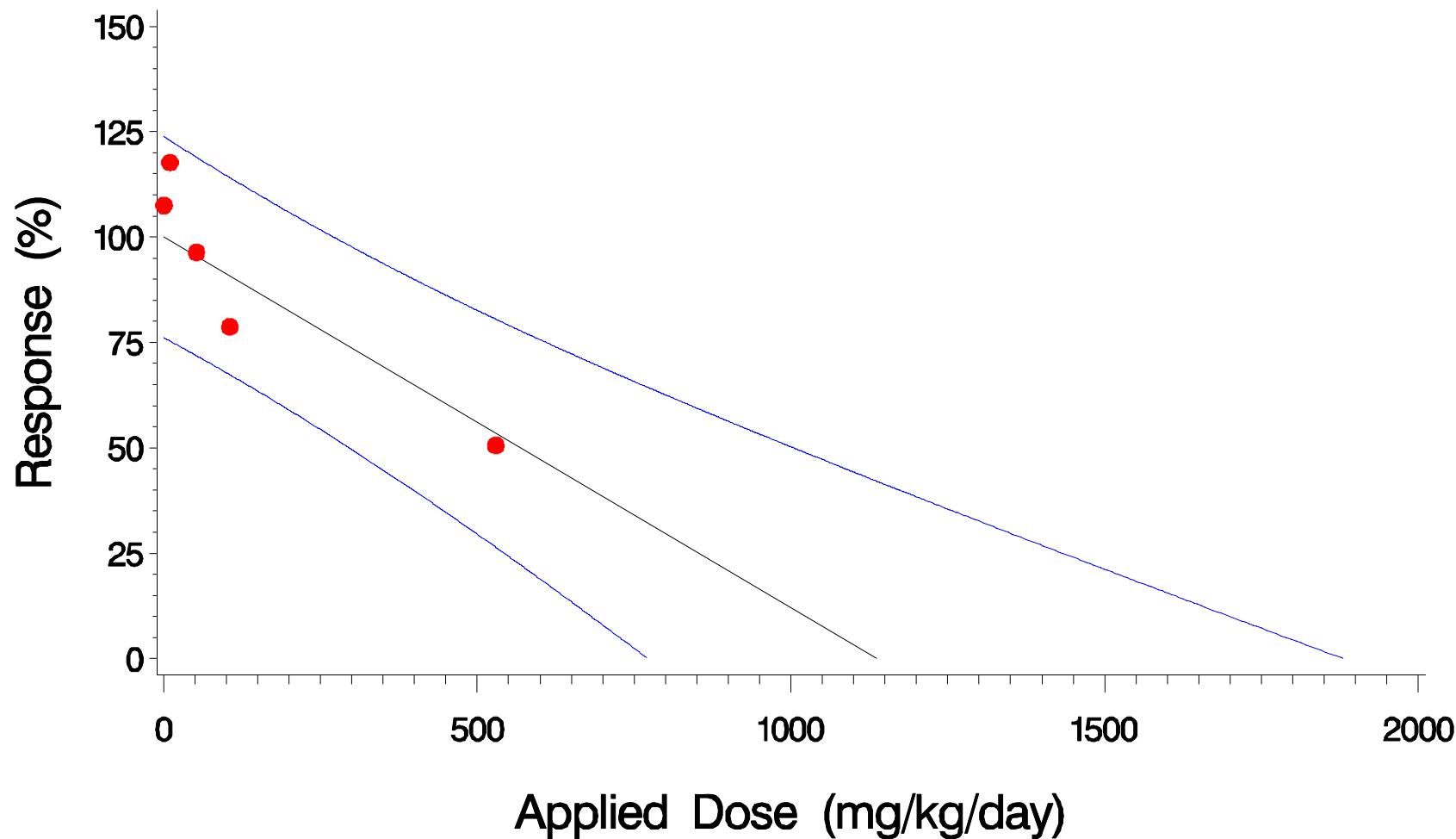
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86484 Sex = female



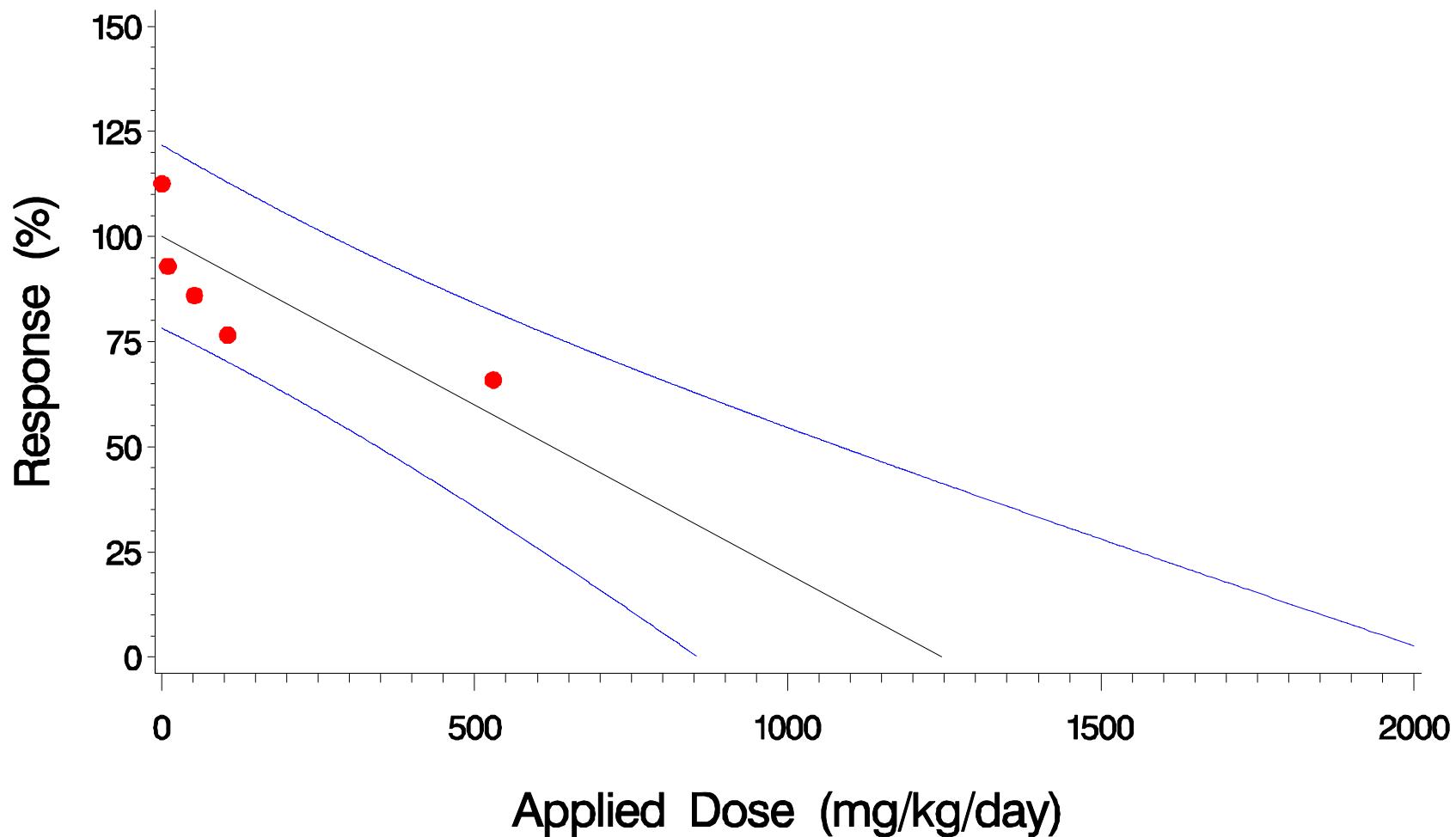
Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = 86484 Sex = male



Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no=F-179 Sex=female

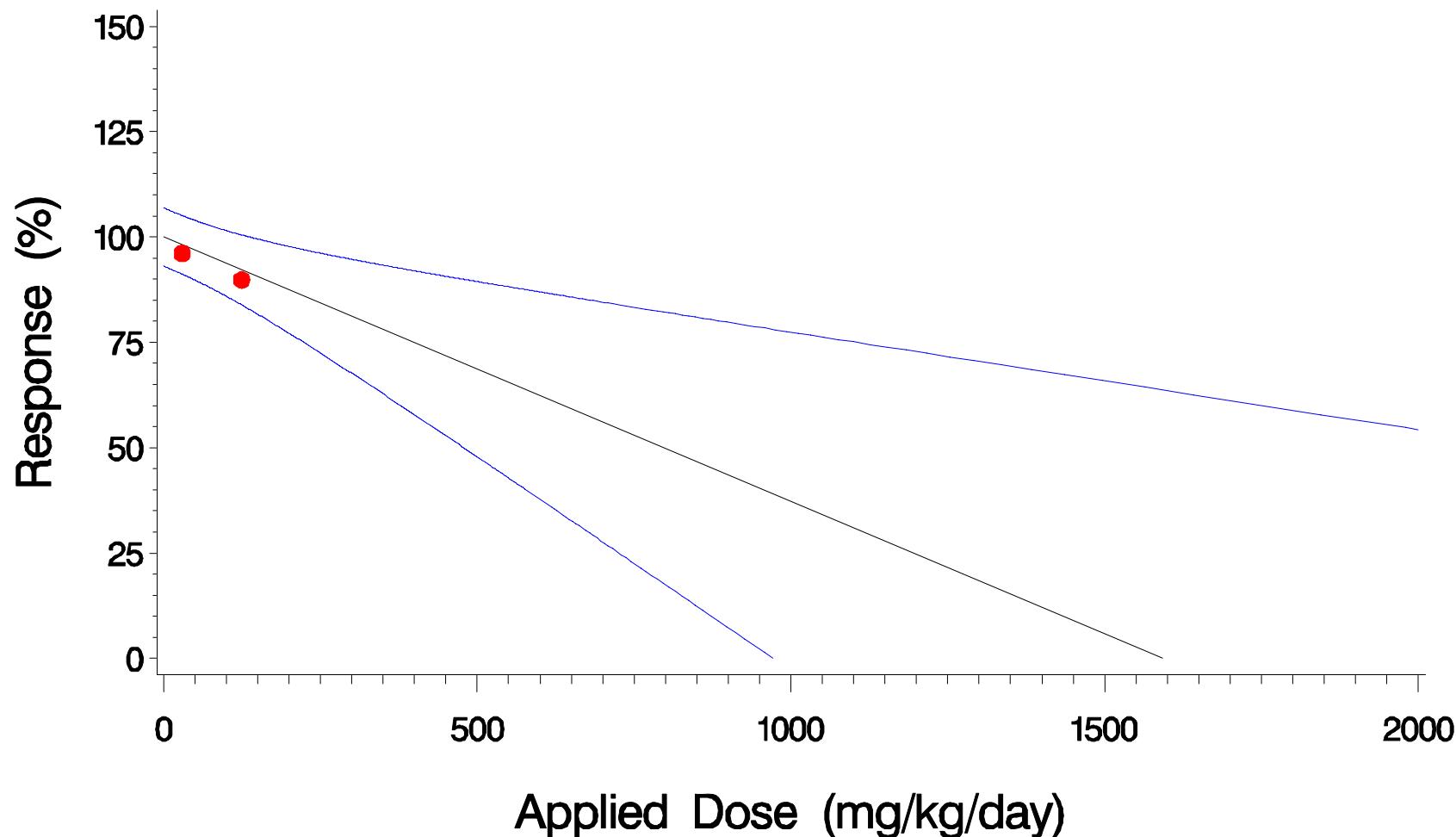


Heavy Fuel Oil
Repeat Dose Platelet Count
sample_no = F – 179 Sex = male

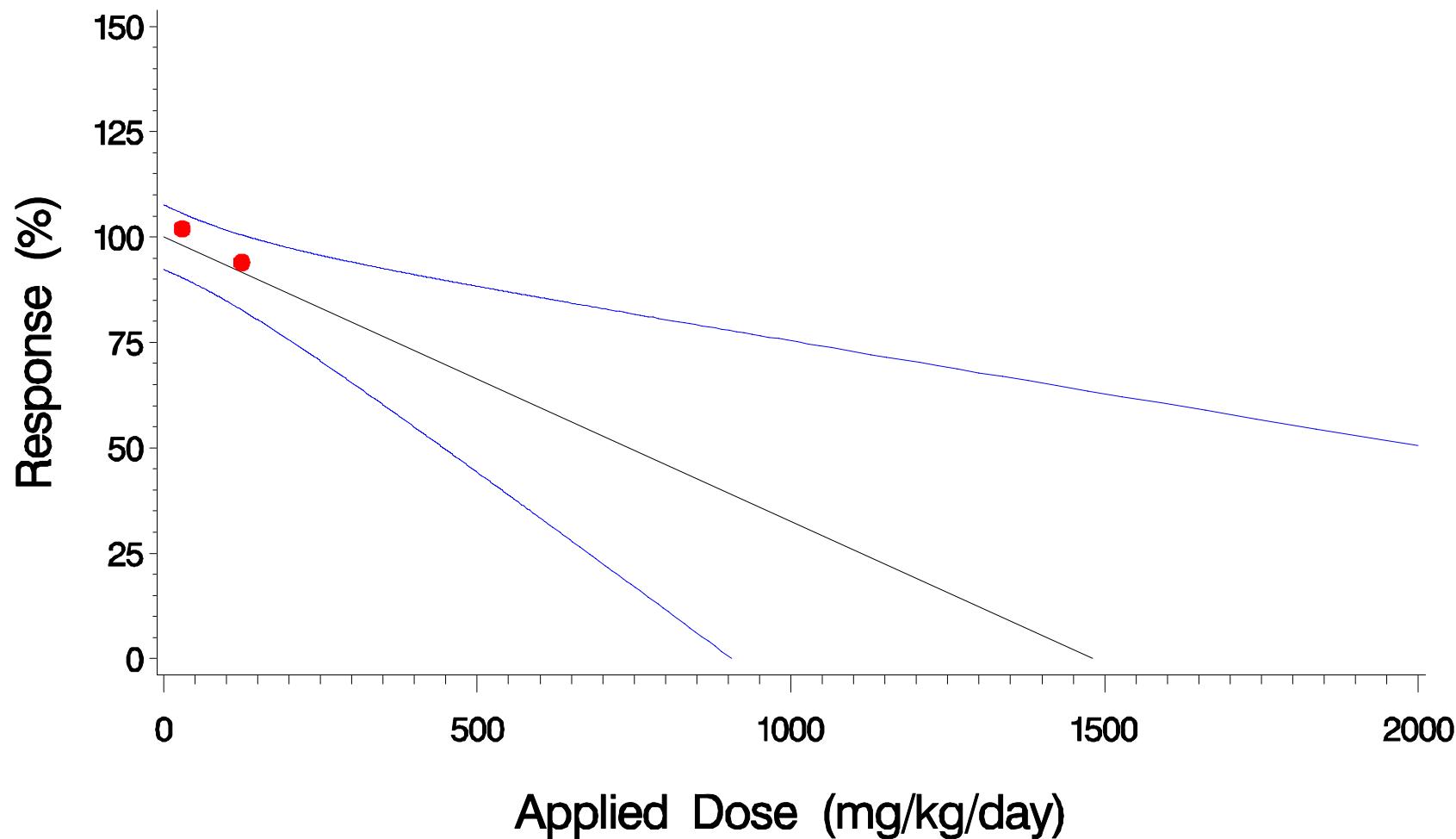


Heavy Fuel Oil

Repeat Dose Hemoglobin Concentration
sample_no = 83366 Sex = female

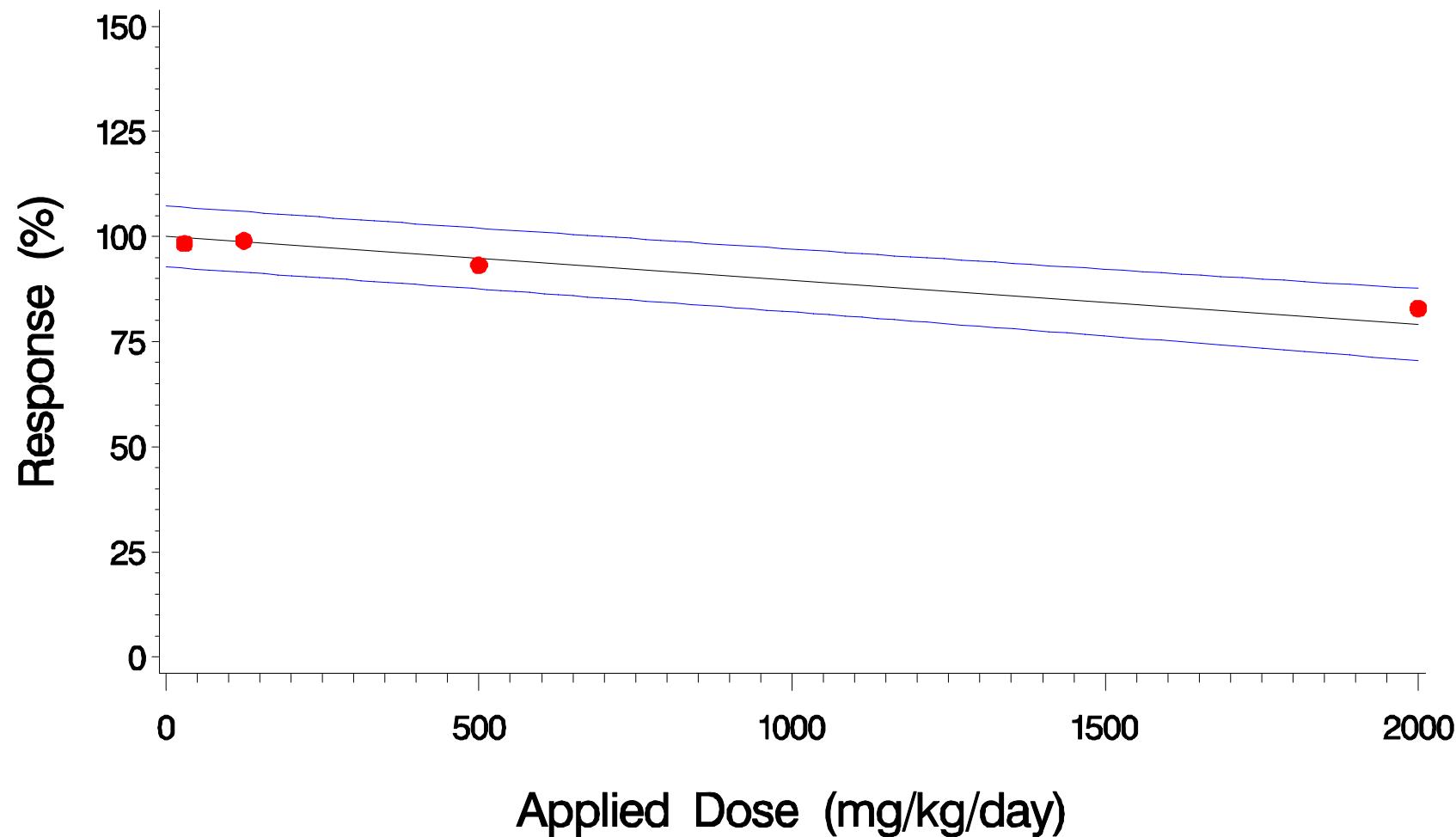


Heavy Fuel Oil
Repeat Dose Hemoglobin Concentration
sample_no = 83366 Sex = male



Heavy Fuel Oil

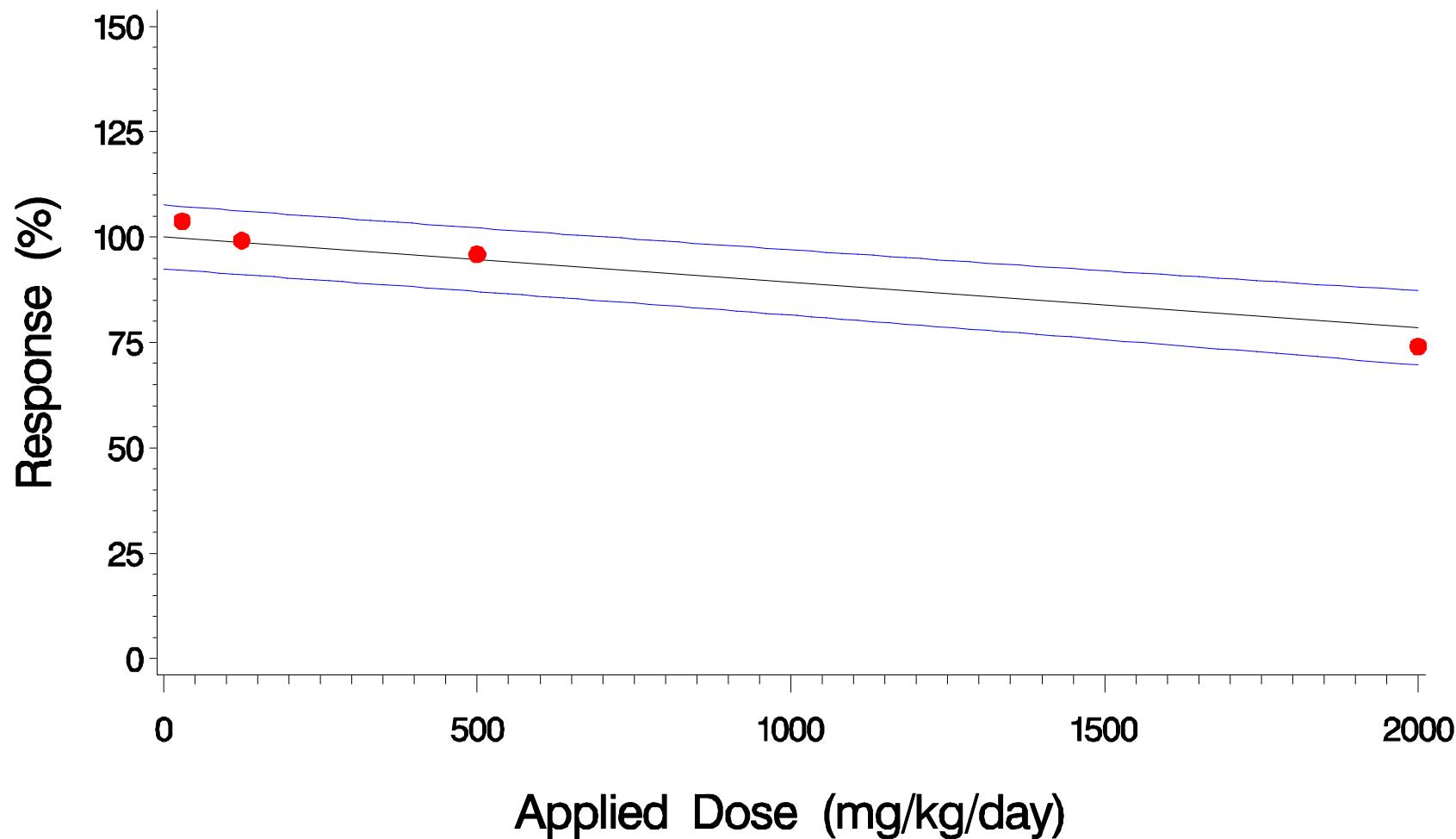
Repeat Dose Hemoglobin Concentration
sample_no = 85244 Sex = female



Heavy Fuel Oil

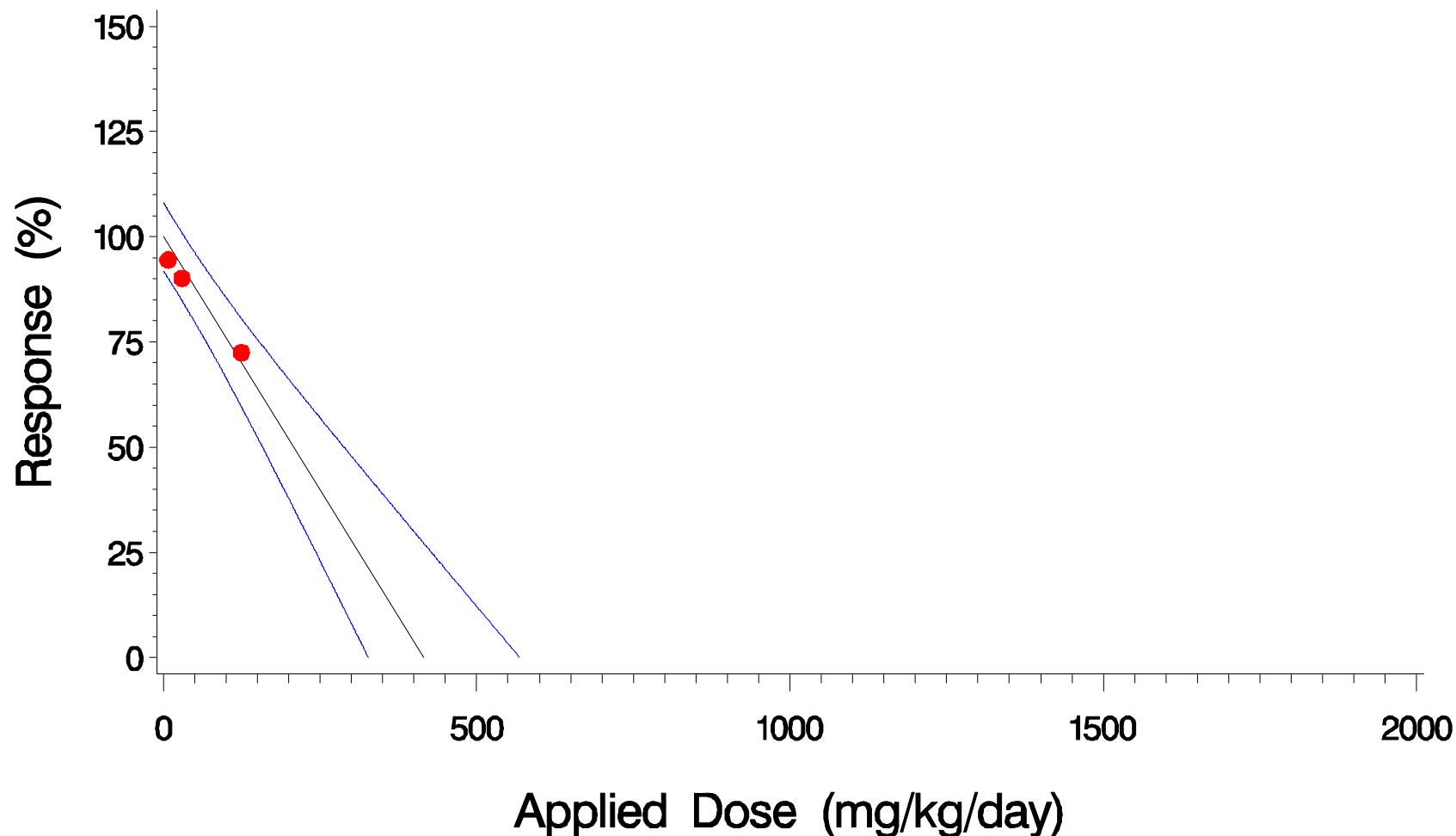
Repeat Dose Hemoglobin Concentration

sample_no = 85244 Sex = male

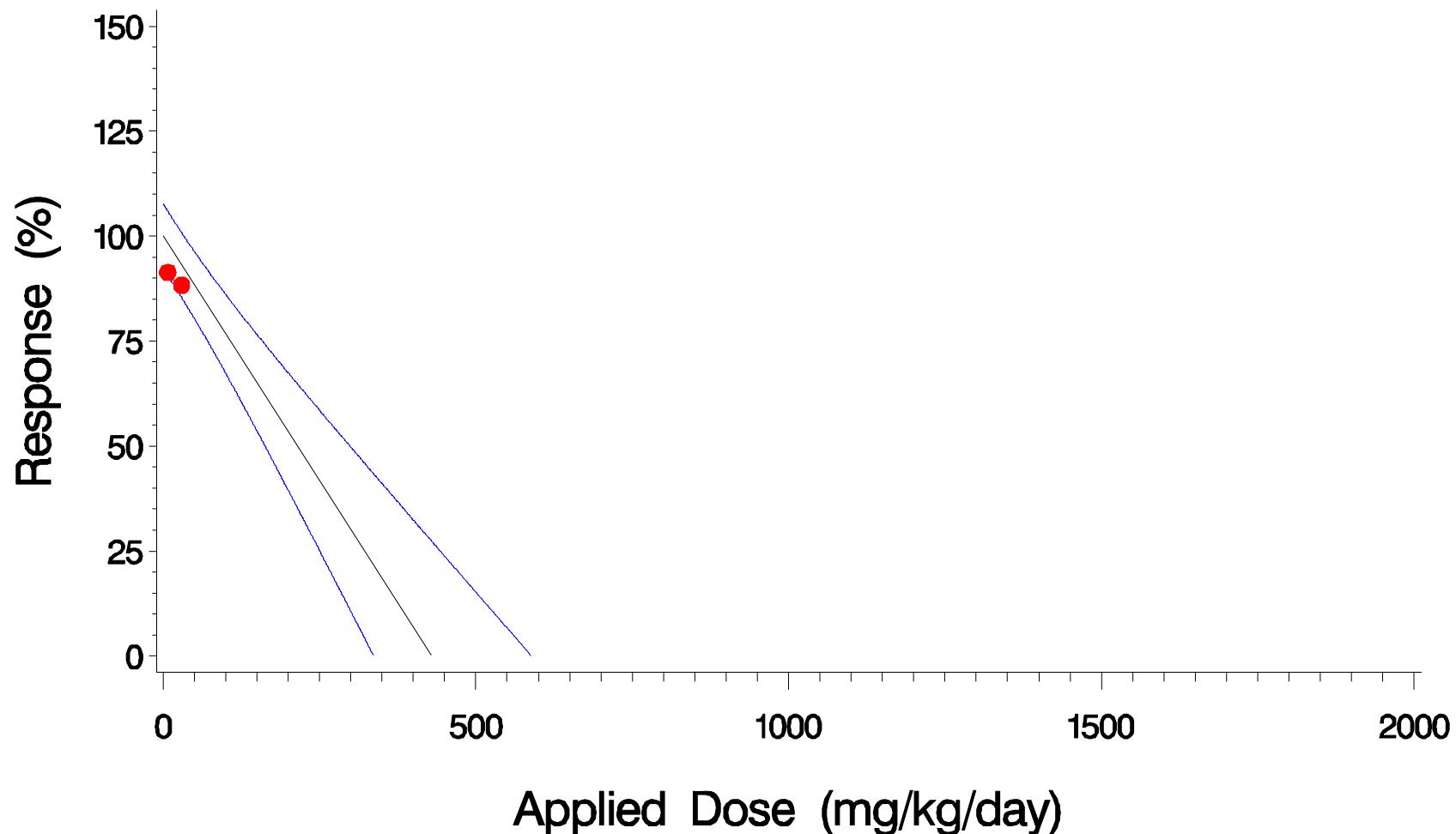


Heavy Fuel Oil

Repeat Dose Hemoglobin Concentration
sample_no = 86001 Sex = female

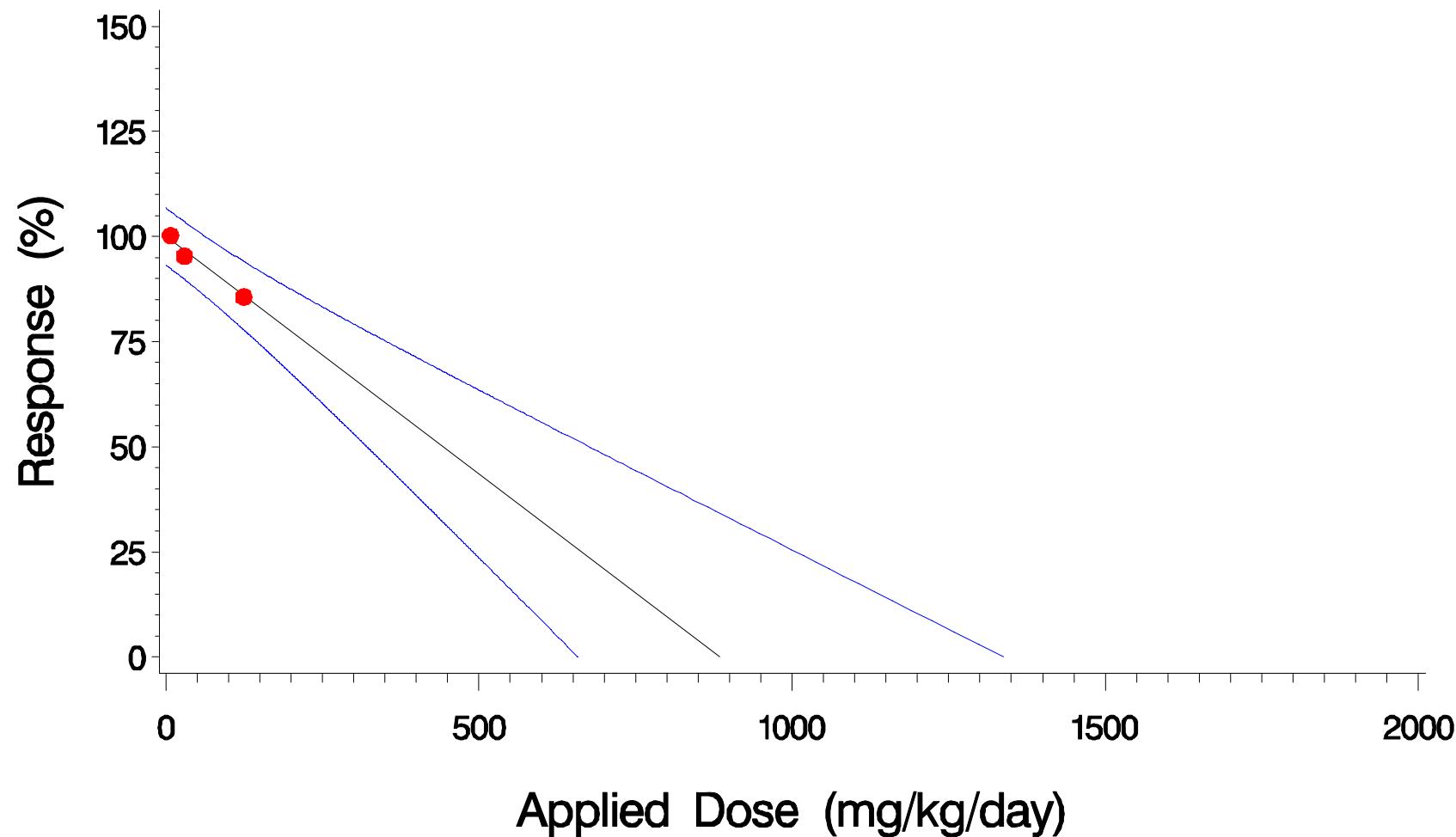


Heavy Fuel Oil
Repeat Dose Hemoglobin Concentration
sample_no = 86001 Sex = male



Heavy Fuel Oil

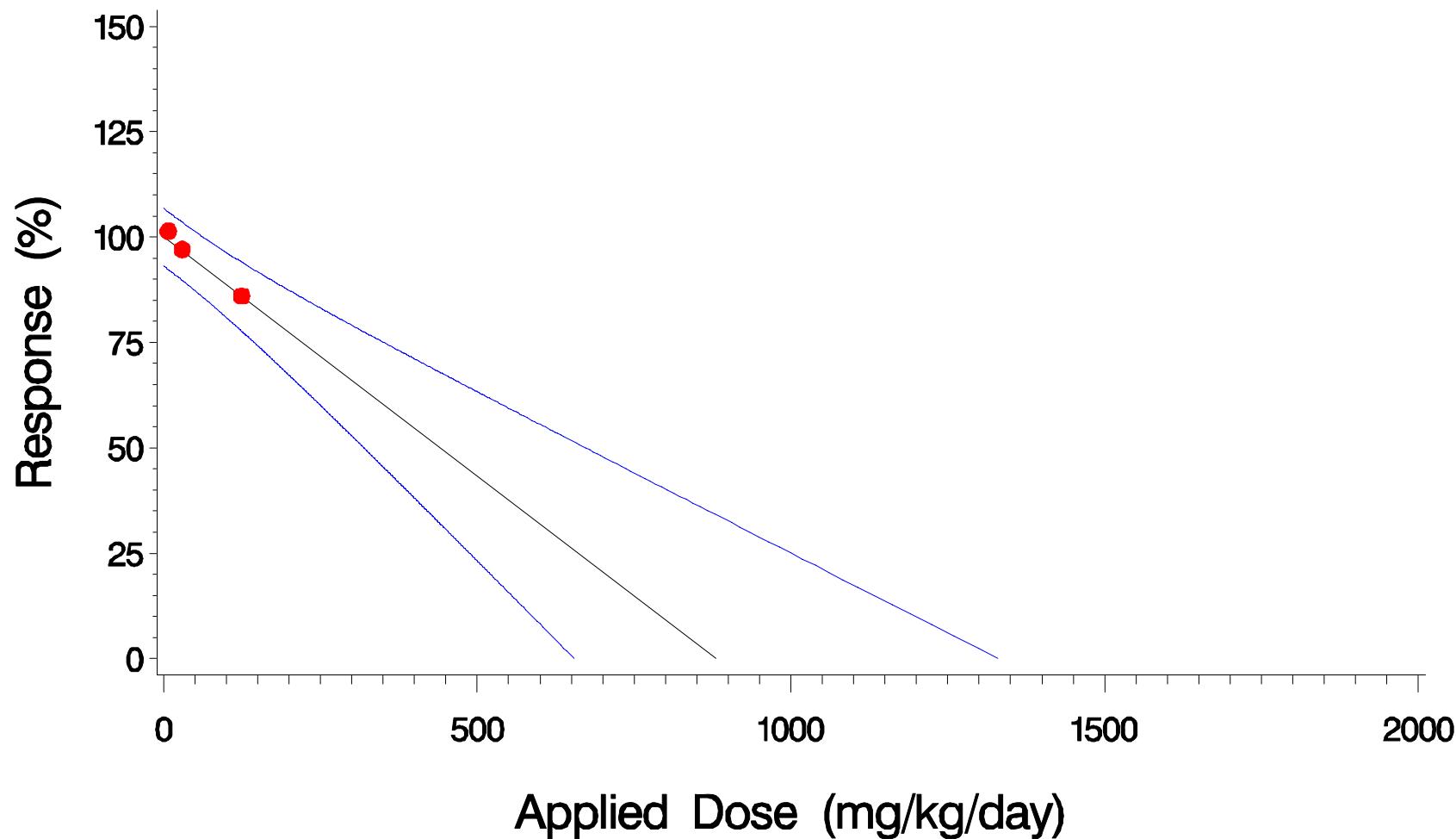
Repeat Dose Hemoglobin Concentration
sample_no = 86181 Sex = female



Heavy Fuel Oil

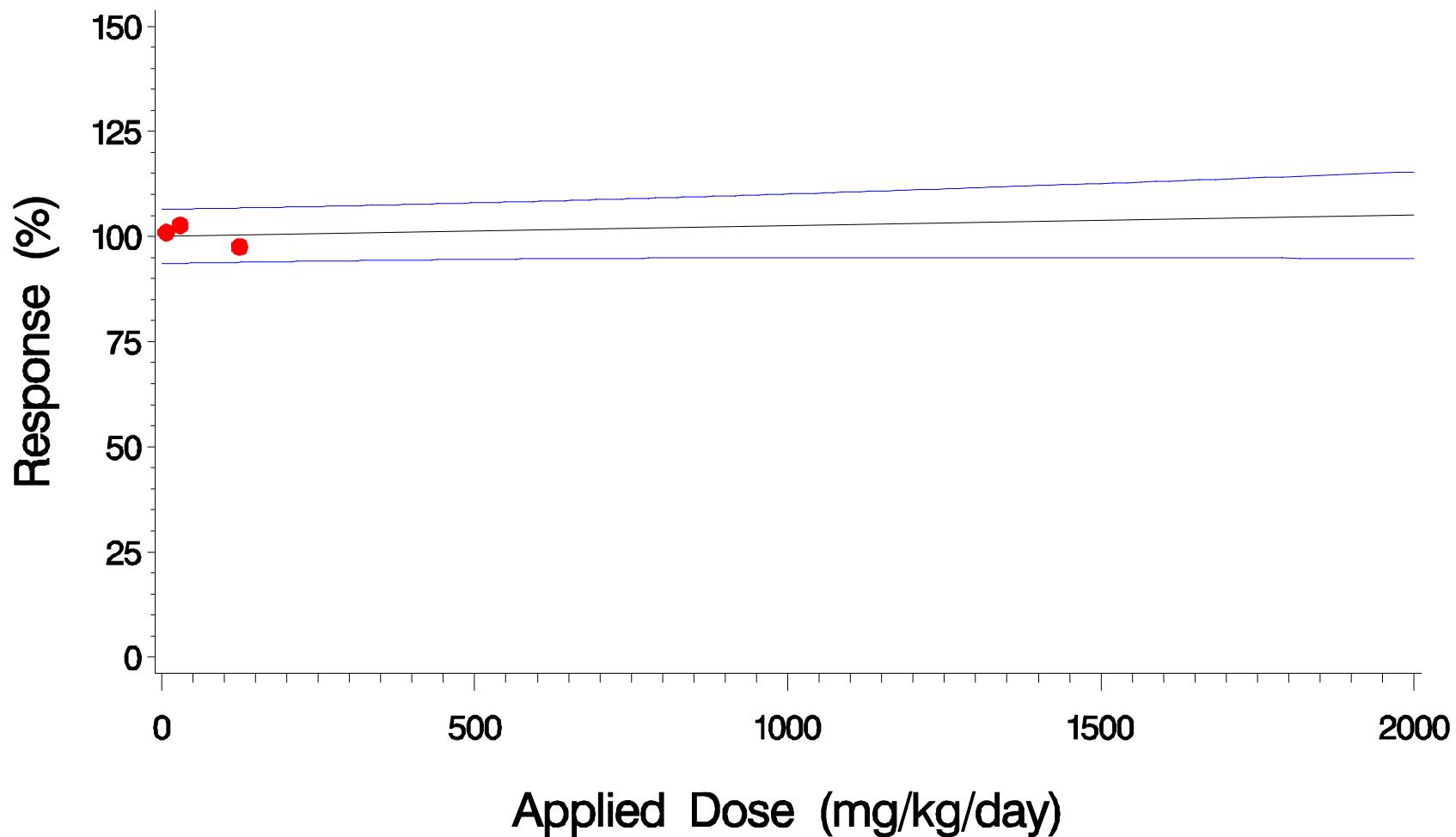
Repeat Dose Hemoglobin Concentration

sample_no = 86181 Sex = male

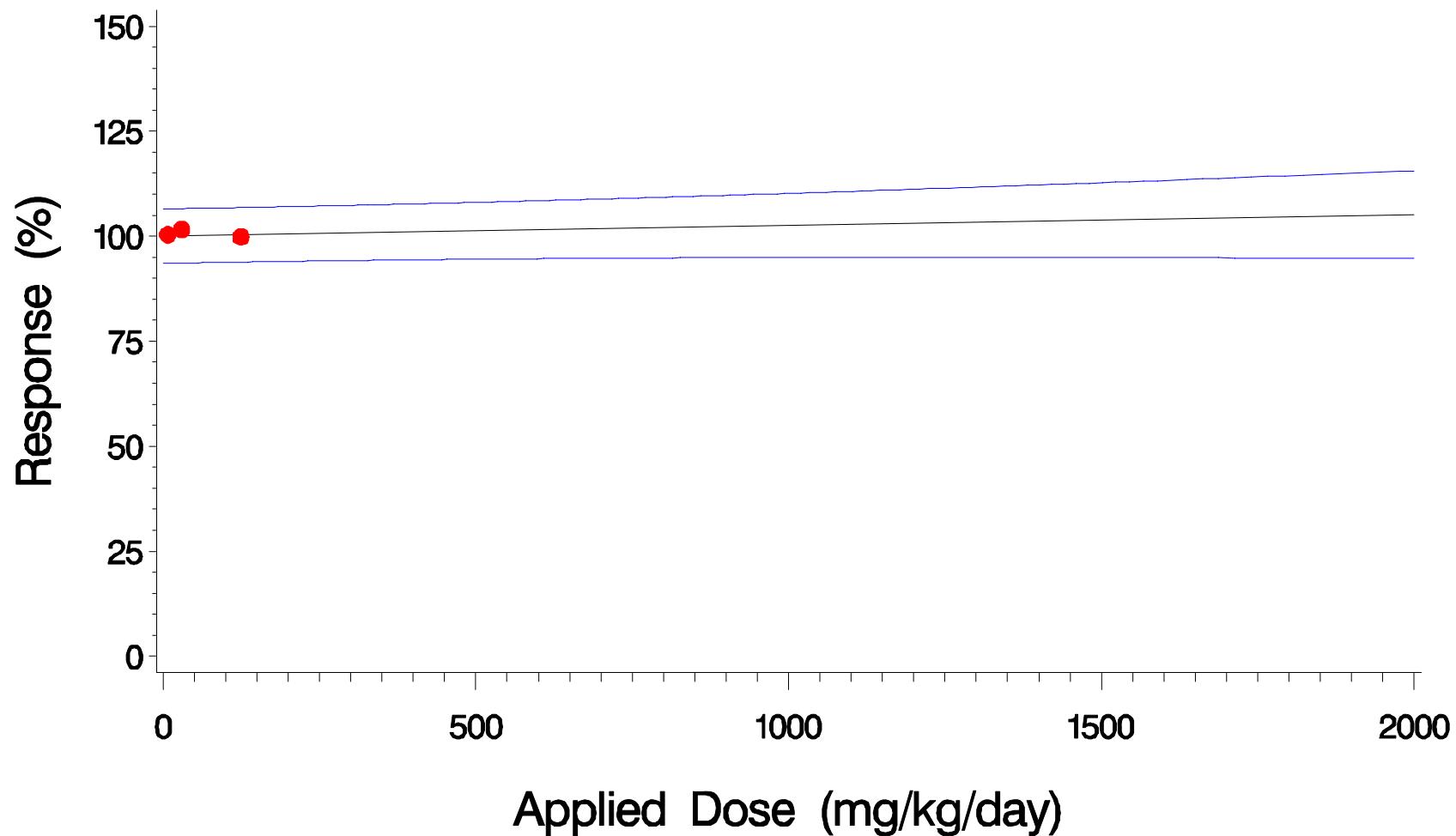


Heavy Fuel Oil

Repeat Dose Hemoglobin Concentration
sample_no = 86193 Sex = female

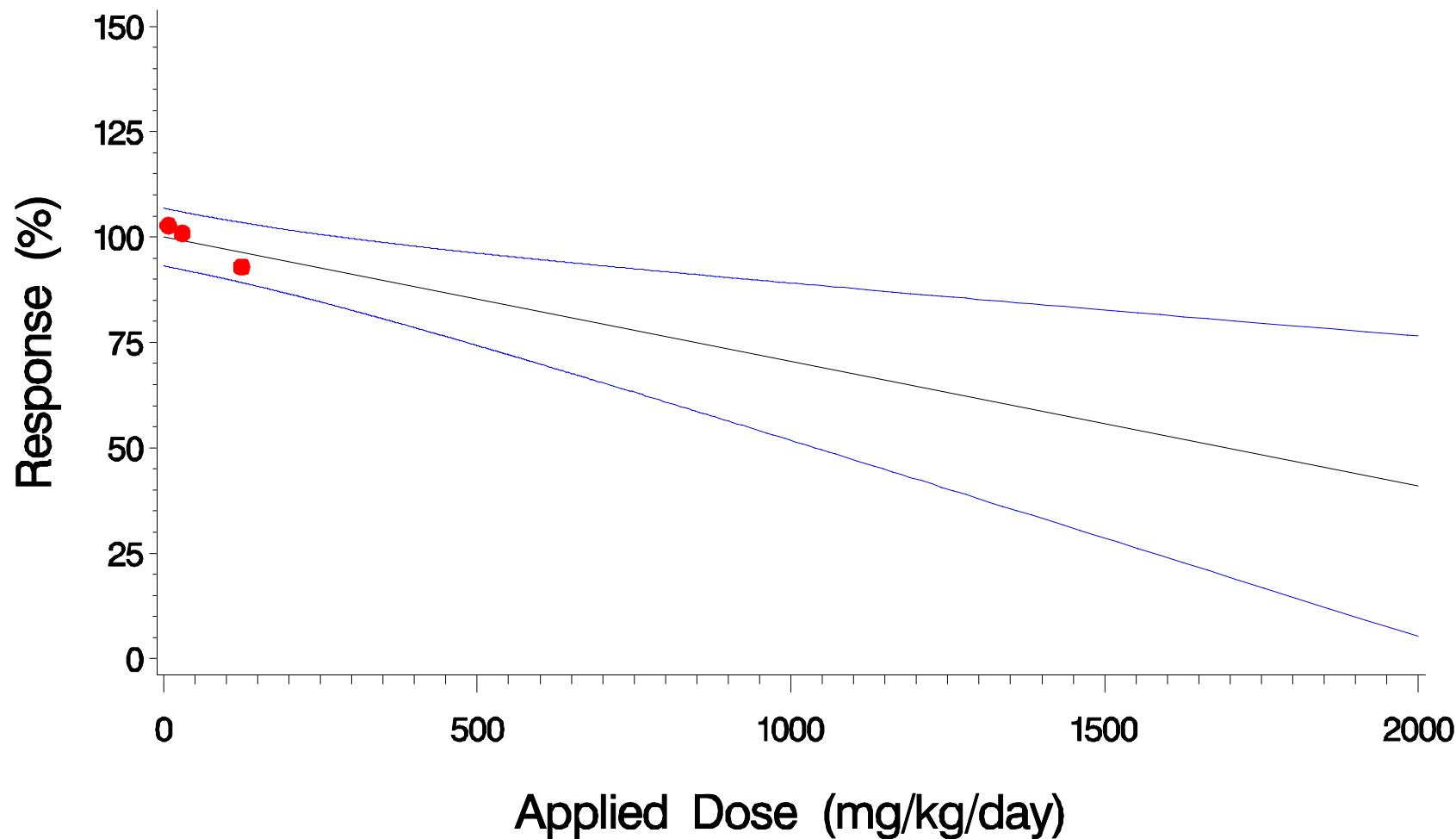


Heavy Fuel Oil
Repeat Dose Hemoglobin Concentration
sample_no = 86193 Sex = male



Heavy Fuel Oil

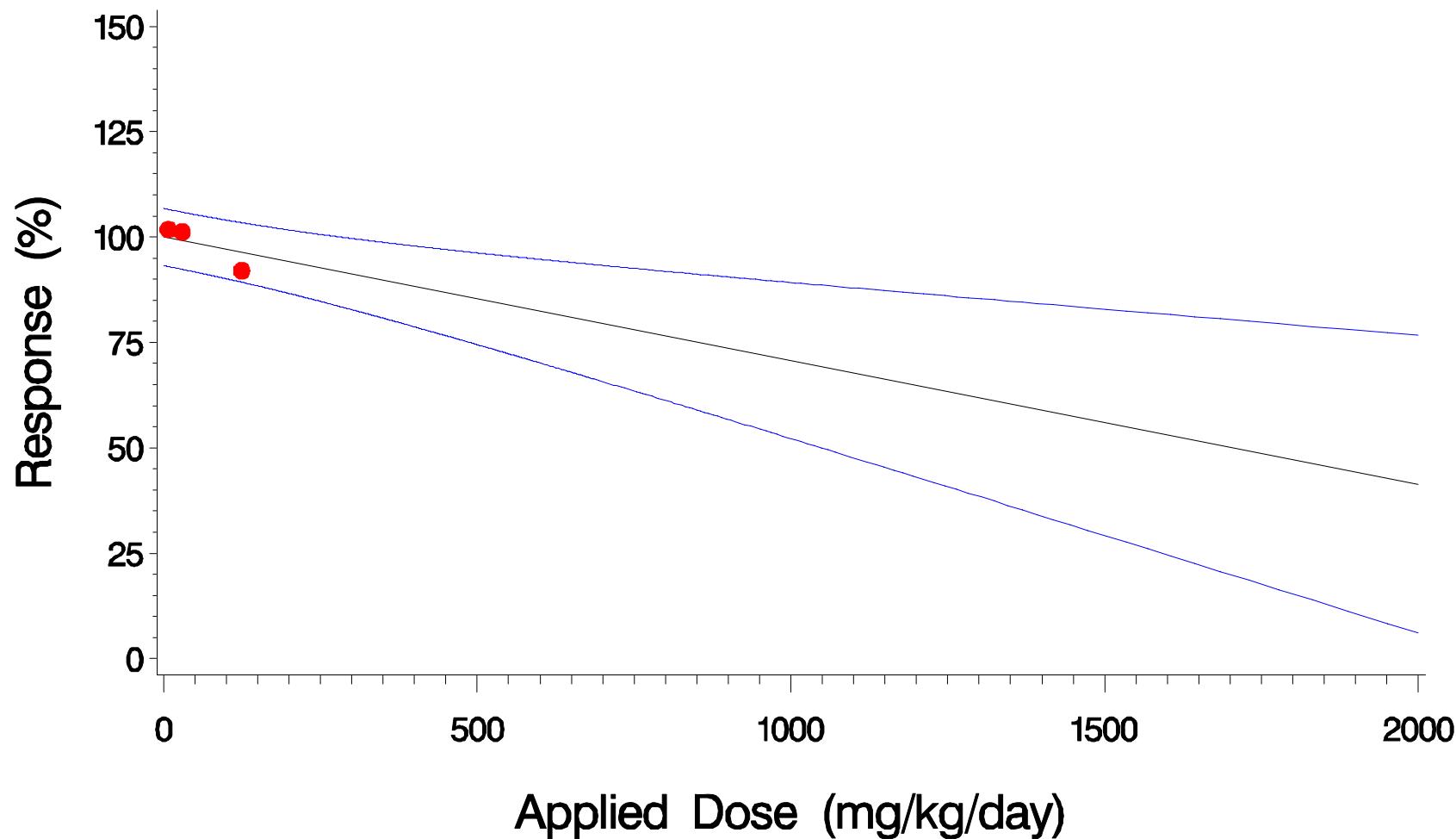
Repeat Dose Hemoglobin Concentration
sample_no = 86272 Sex = female



Heavy Fuel Oil

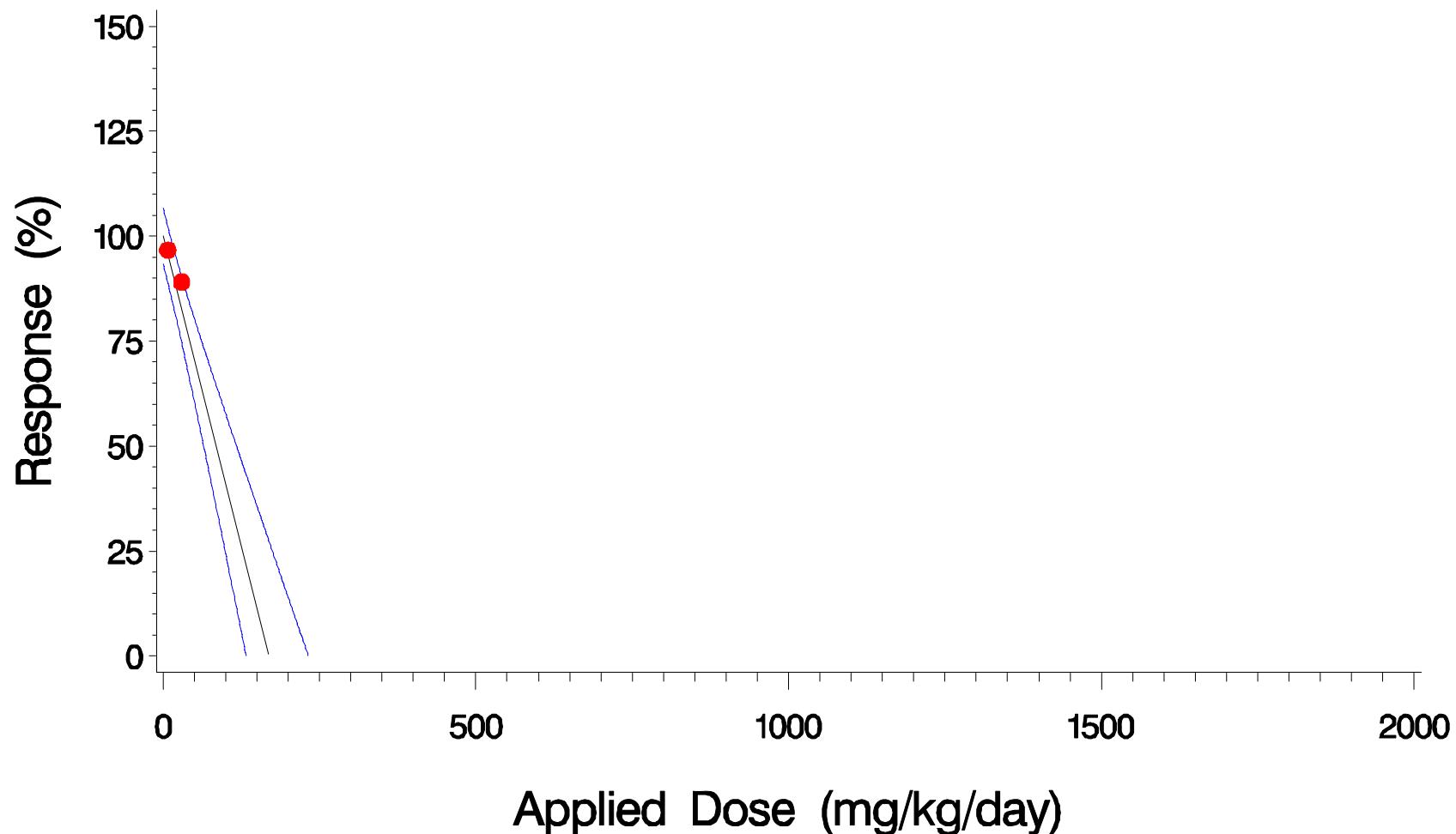
Repeat Dose Hemoglobin Concentration

sample_no = 86272 Sex = male



Heavy Fuel Oil

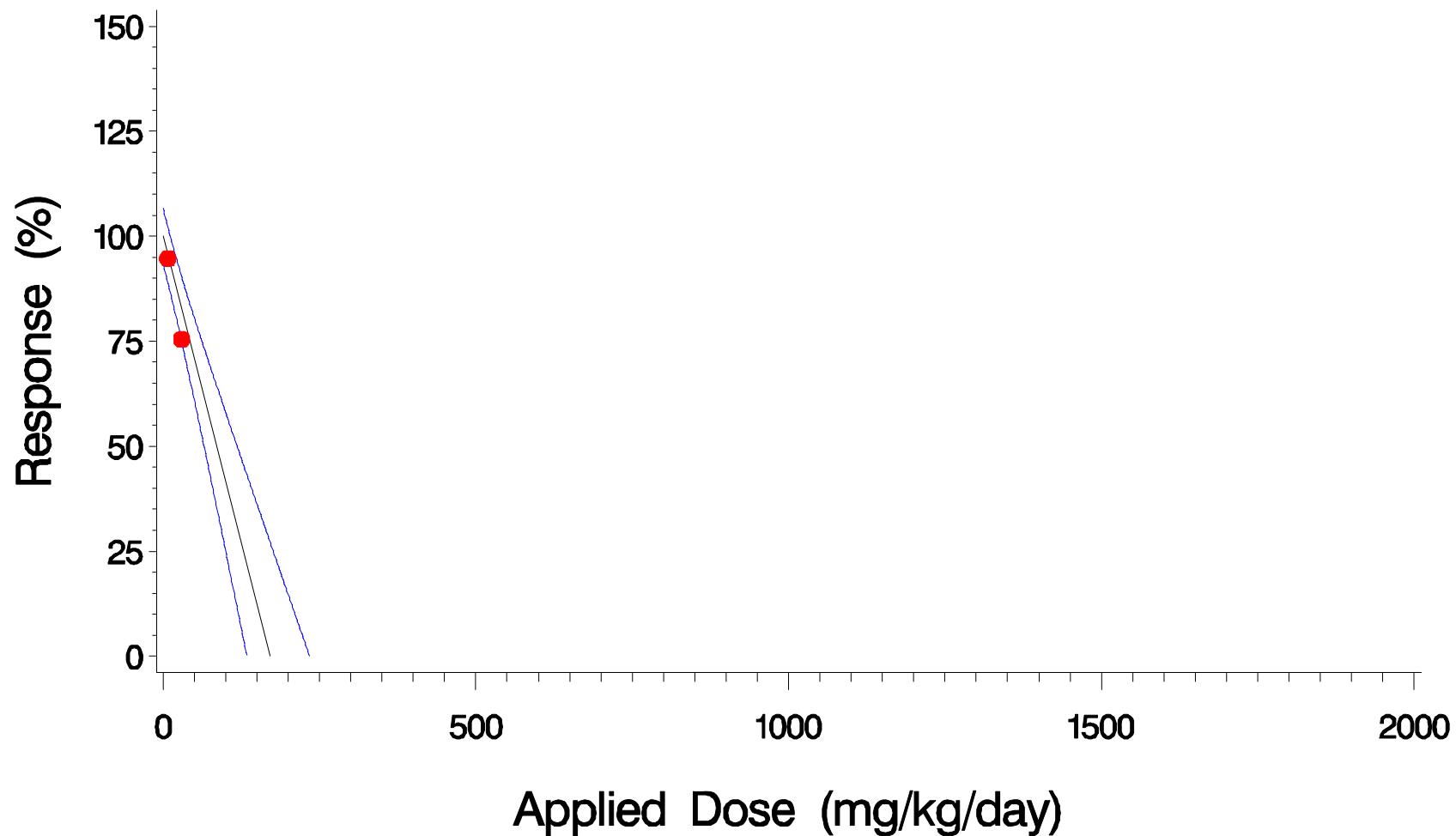
Repeat Dose Hemoglobin Concentration
sample_no = 86484 Sex = female



Heavy Fuel Oil

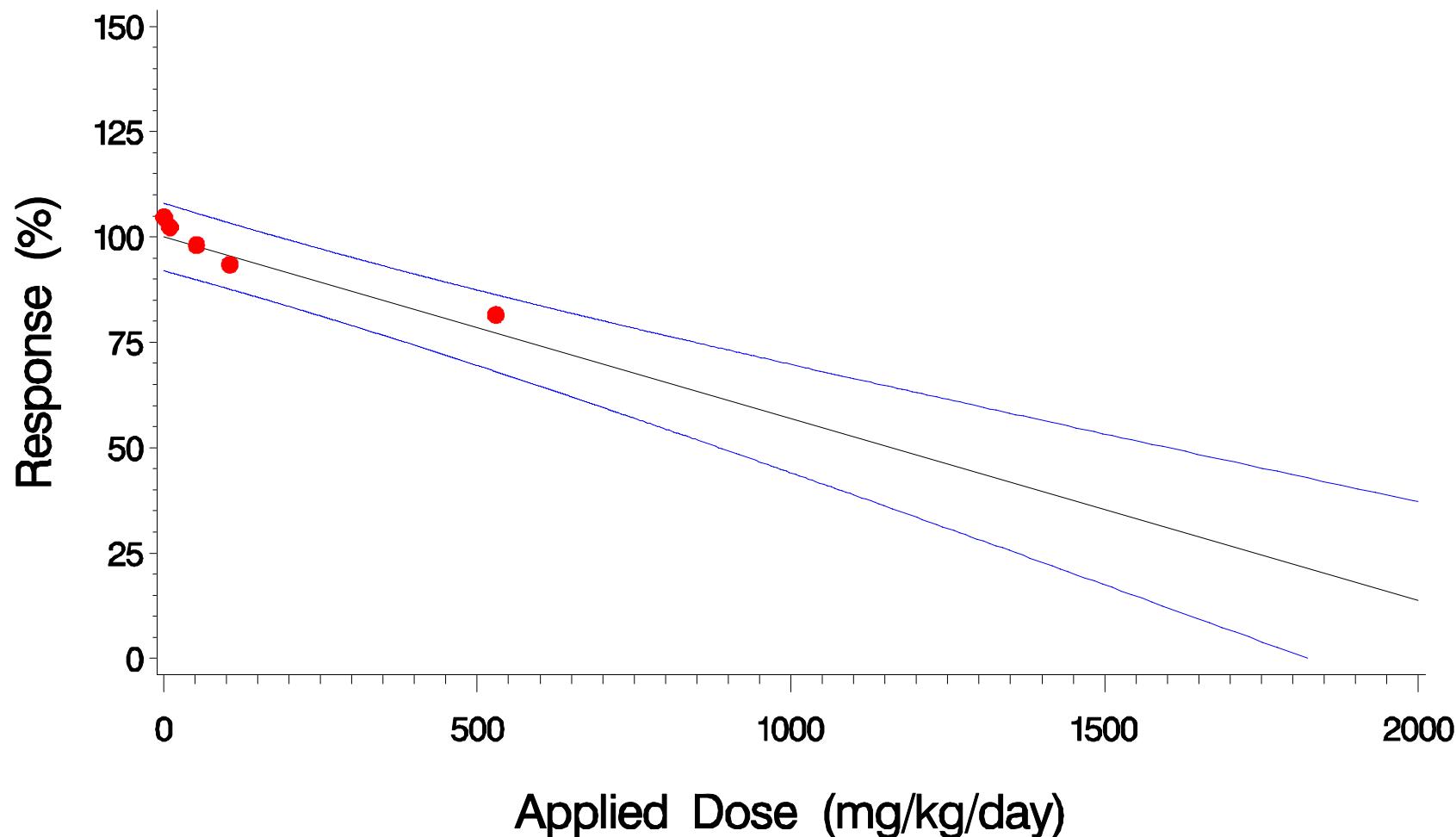
Repeat Dose Hemoglobin Concentration

sample_no = 86484 Sex = male

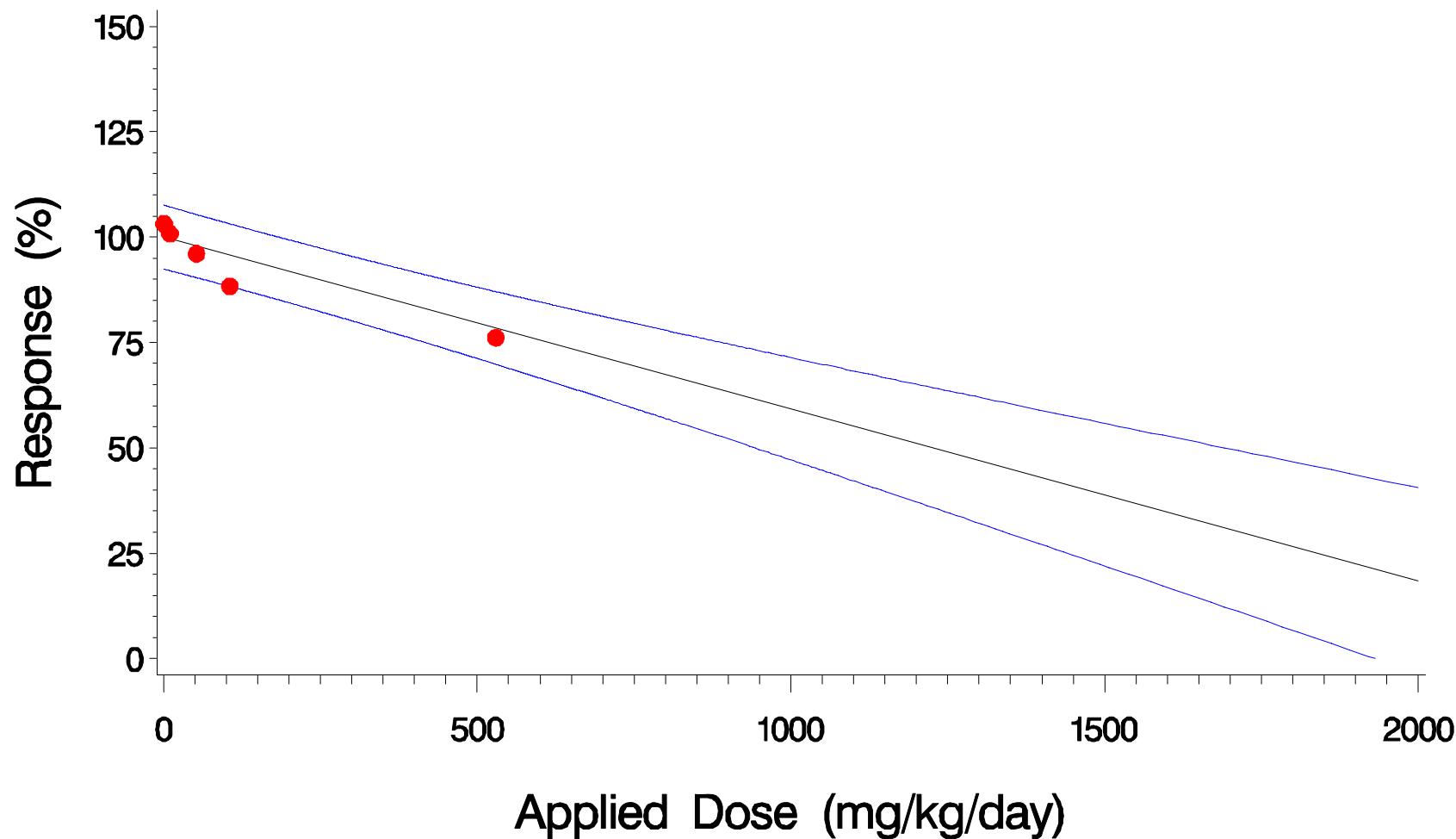


Heavy Fuel Oil

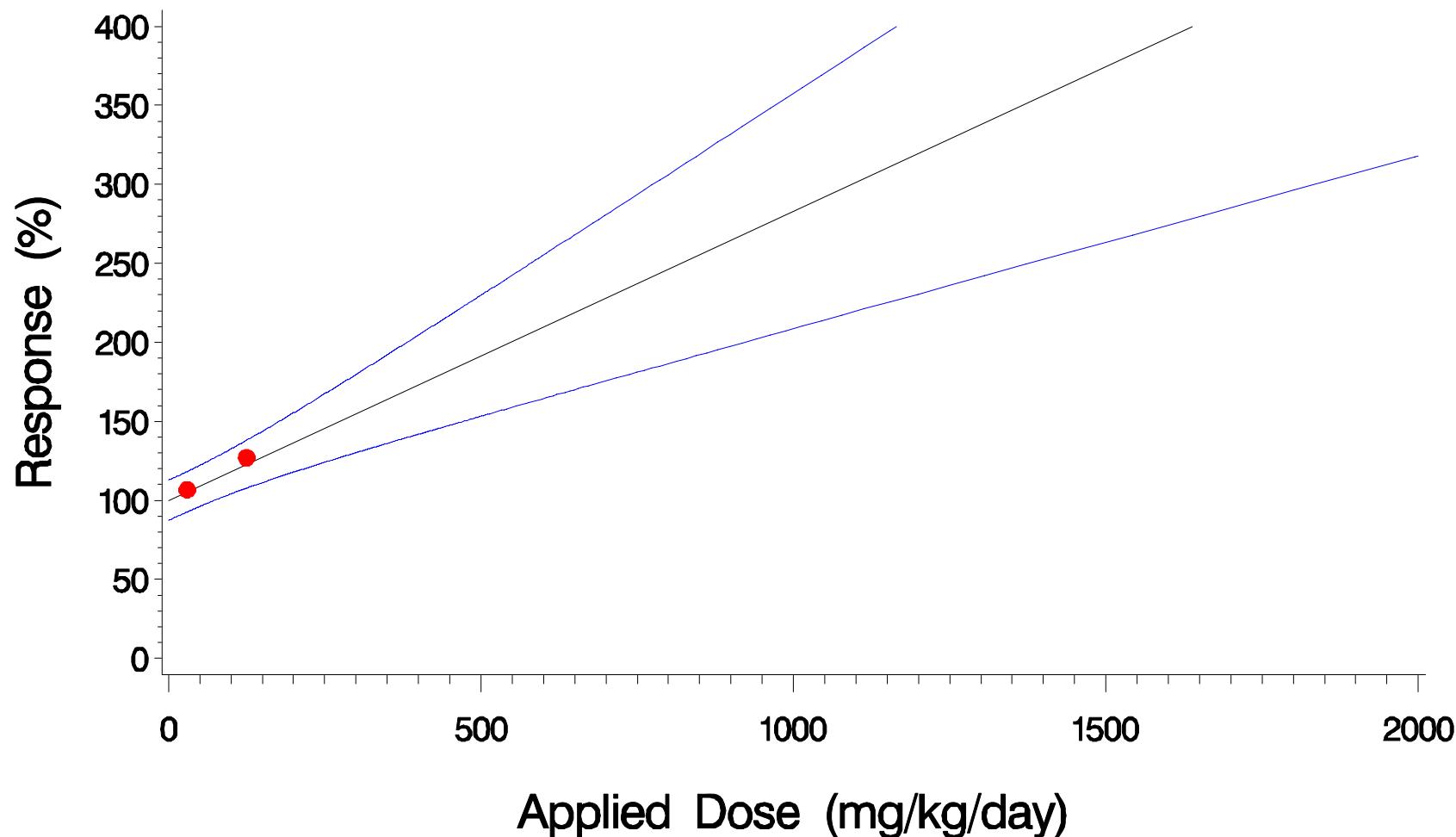
Repeat Dose Hemoglobin Concentration
sample_no=F-179 Sex=female



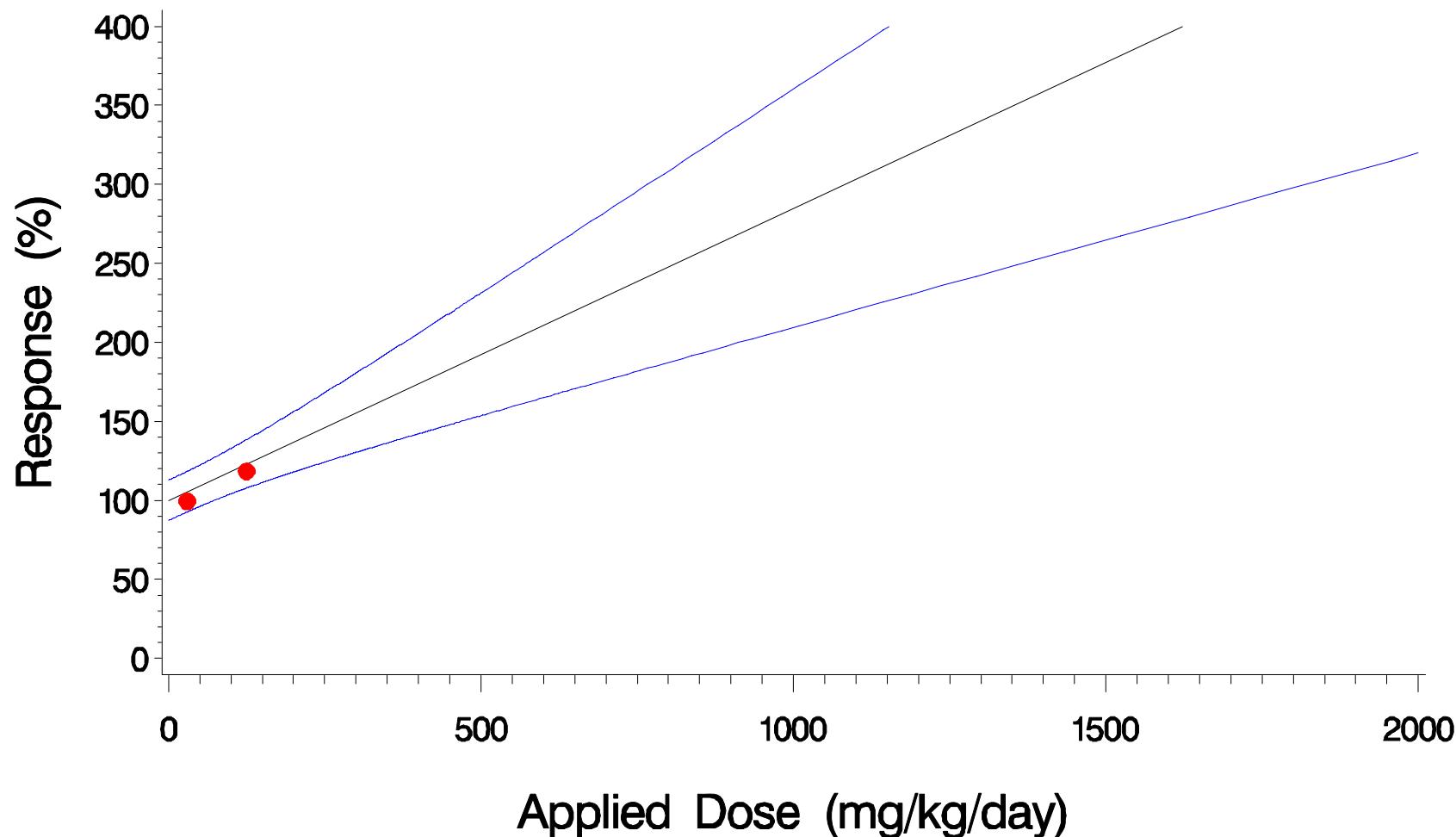
Heavy Fuel Oil
Repeat Dose Hemoglobin Concentration
sample_no=F-179 Sex=male



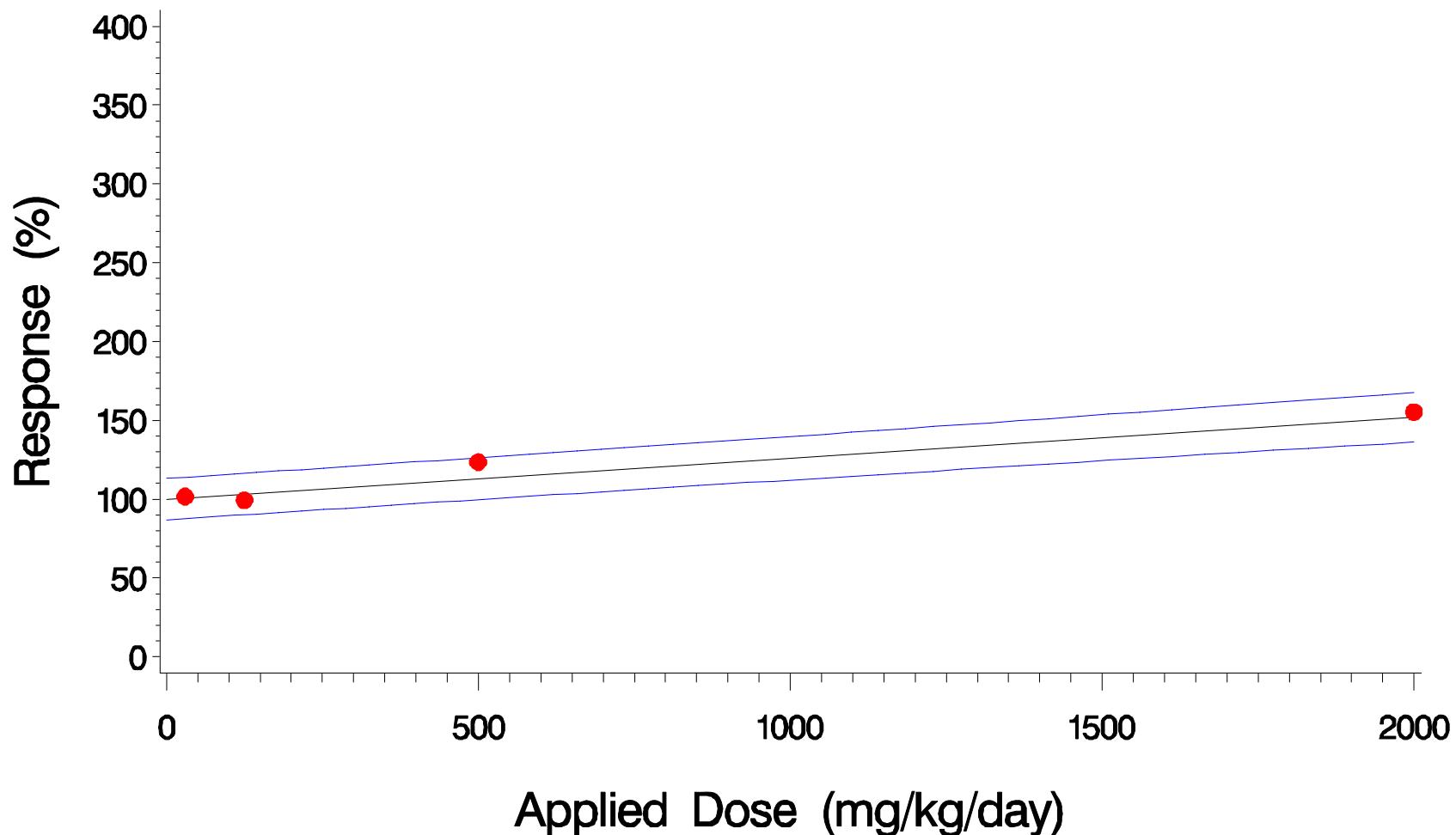
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 83366 Sex = female



Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 83366 Sex = male



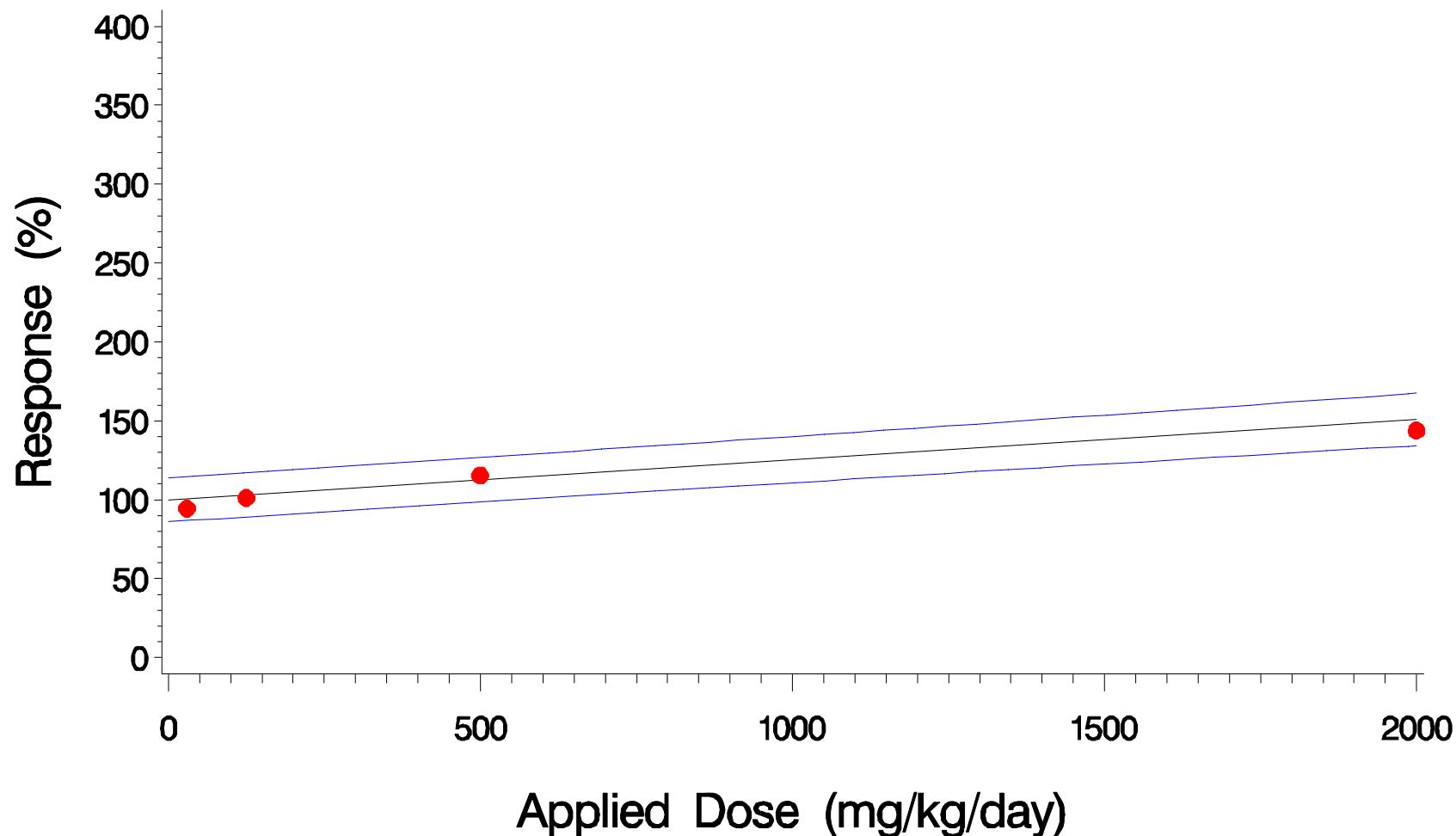
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 85244 Sex = female



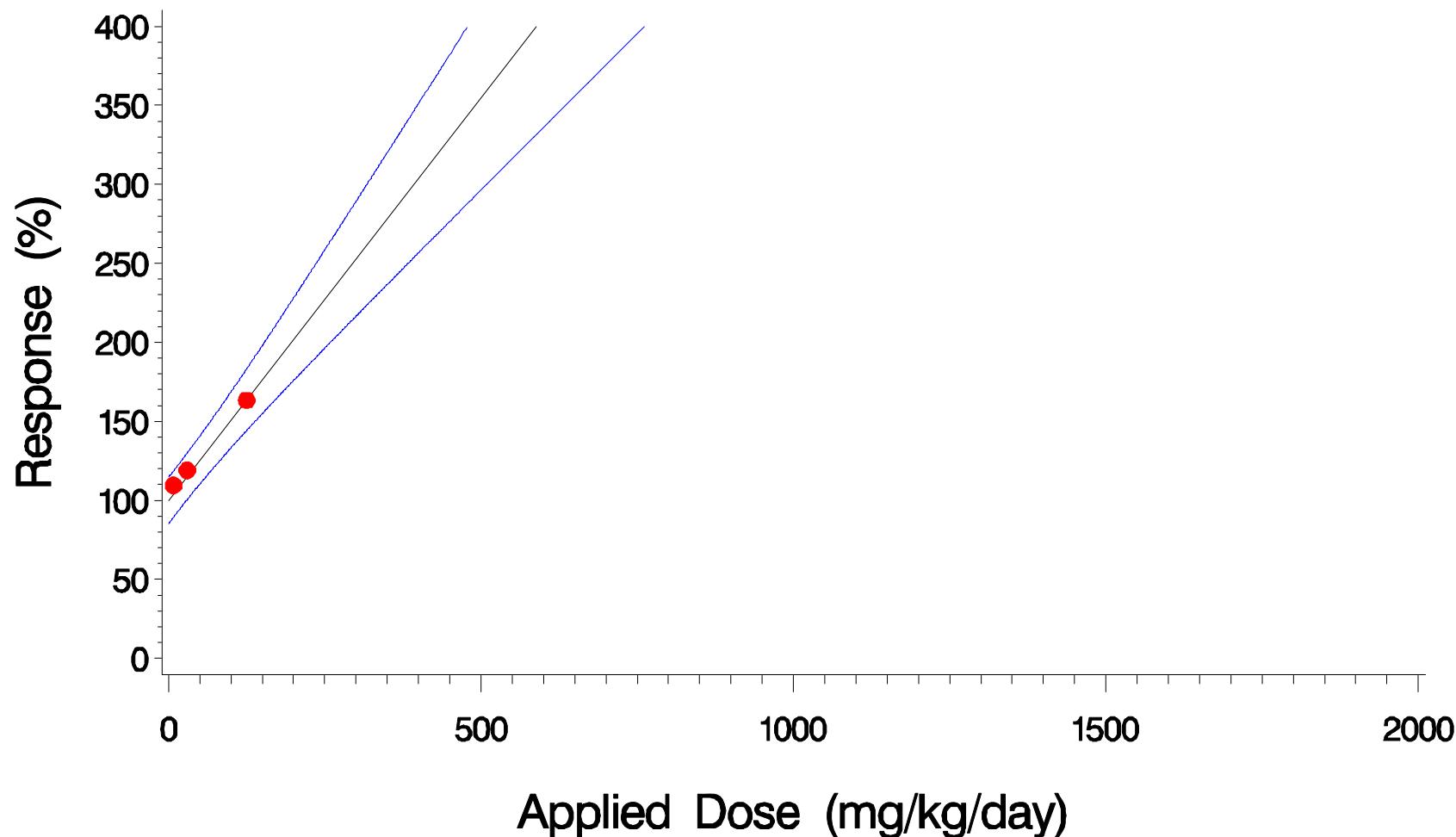
Heavy Fuel Oil

Repeat Dose Liver to BW Ratio

sample_no = 85244 Sex = male



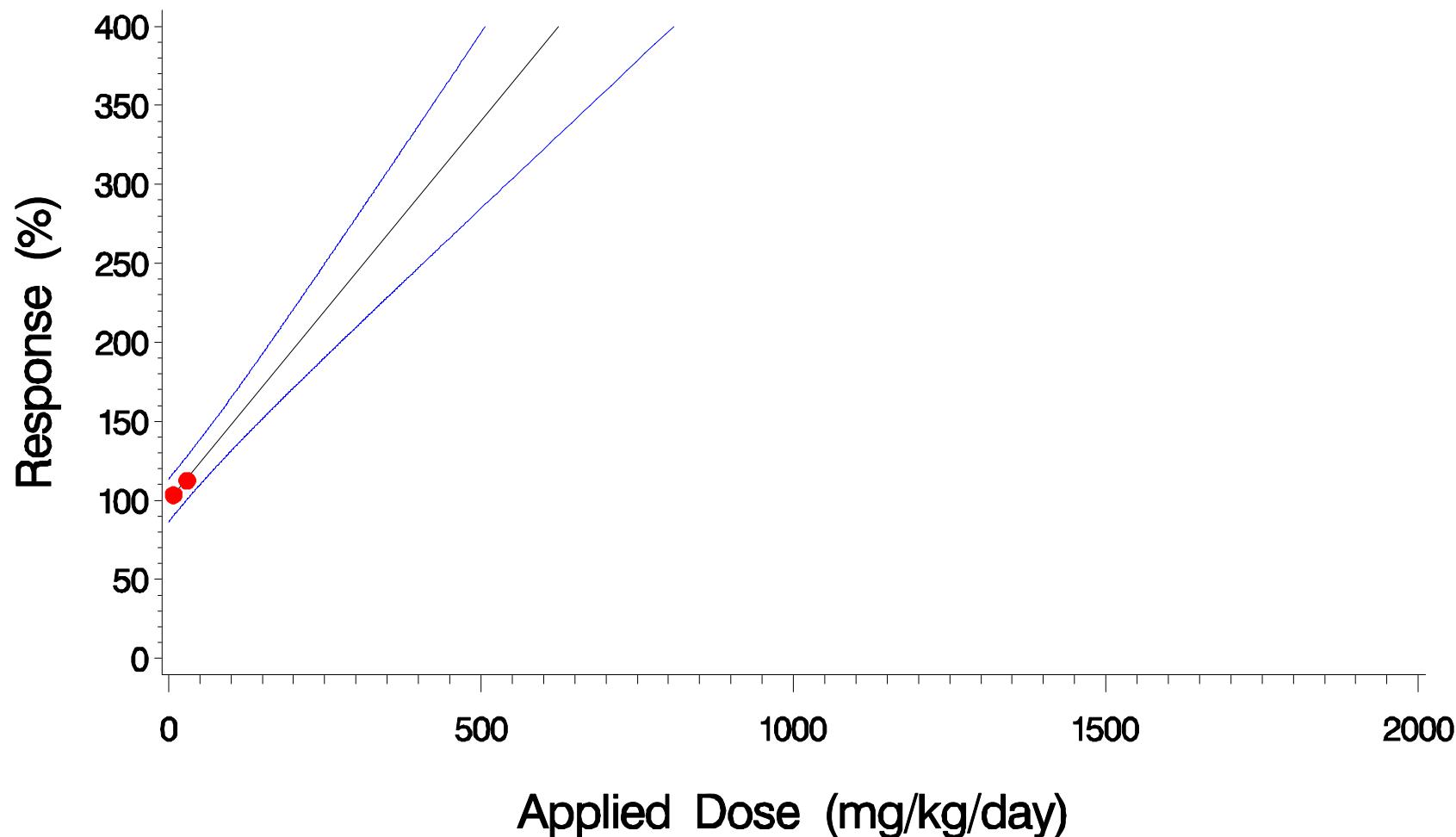
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86001 Sex = female



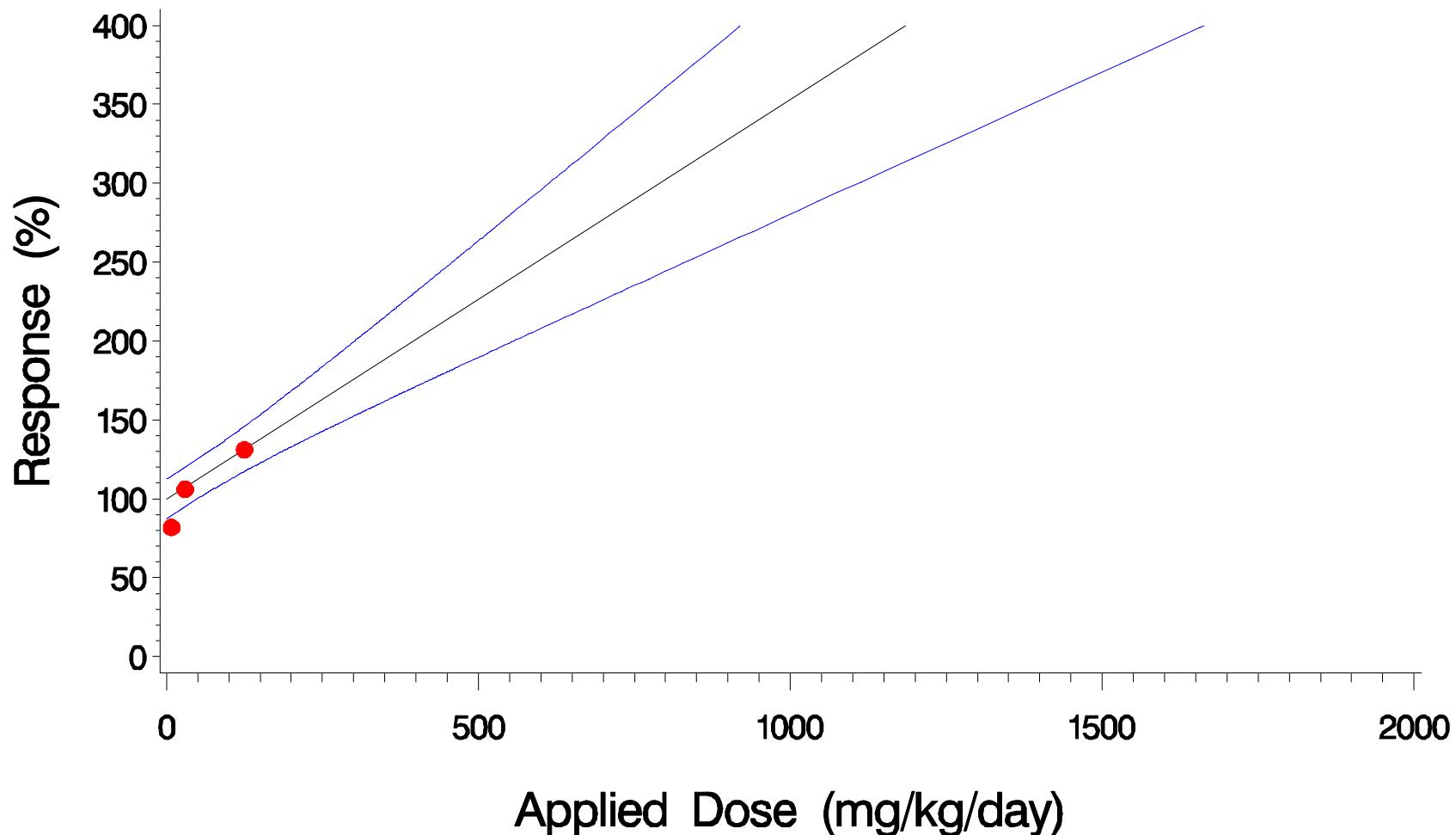
Heavy Fuel Oil

Repeat Dose Liver to BW Ratio

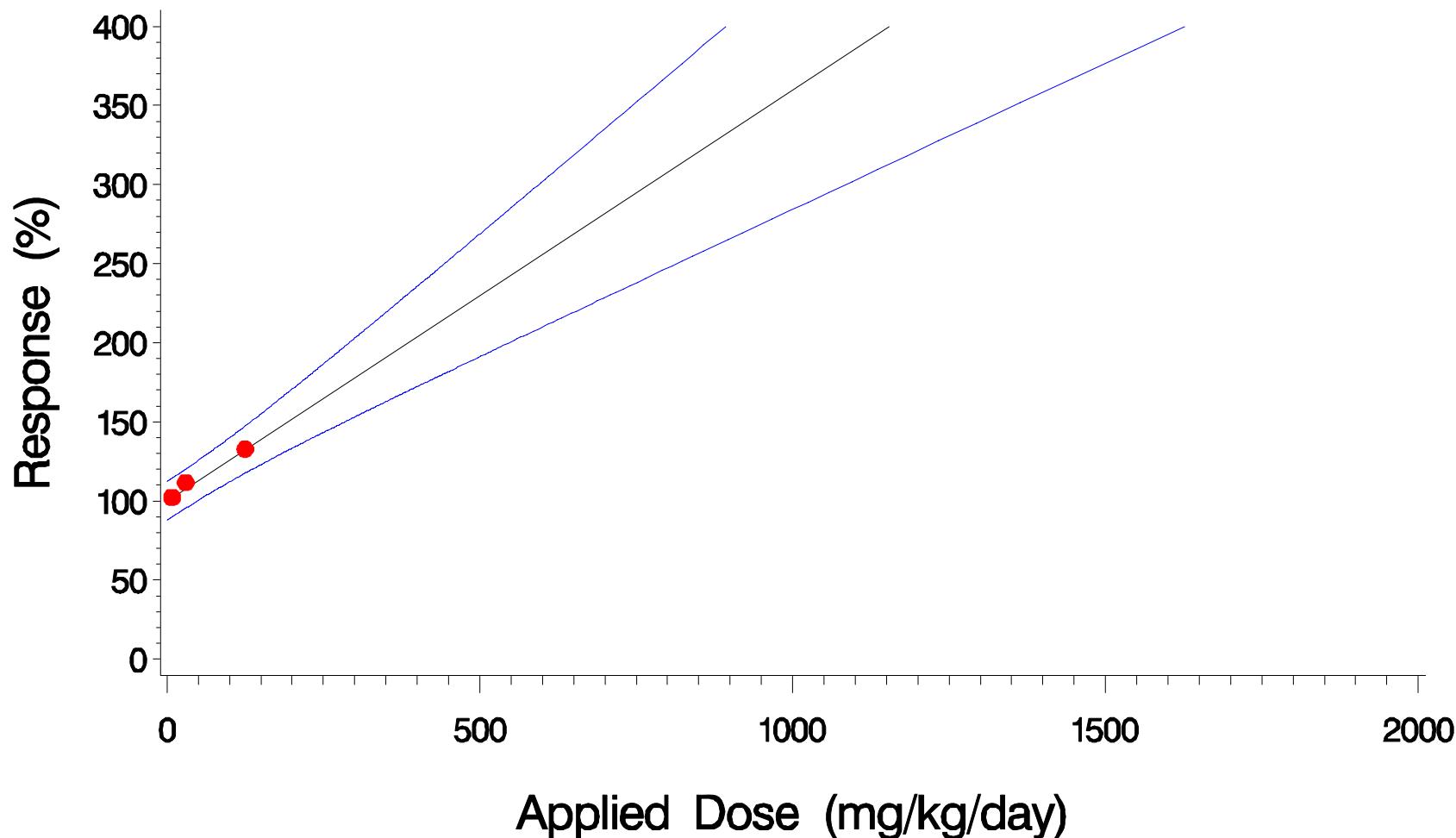
sample_no = 86001 Sex = male



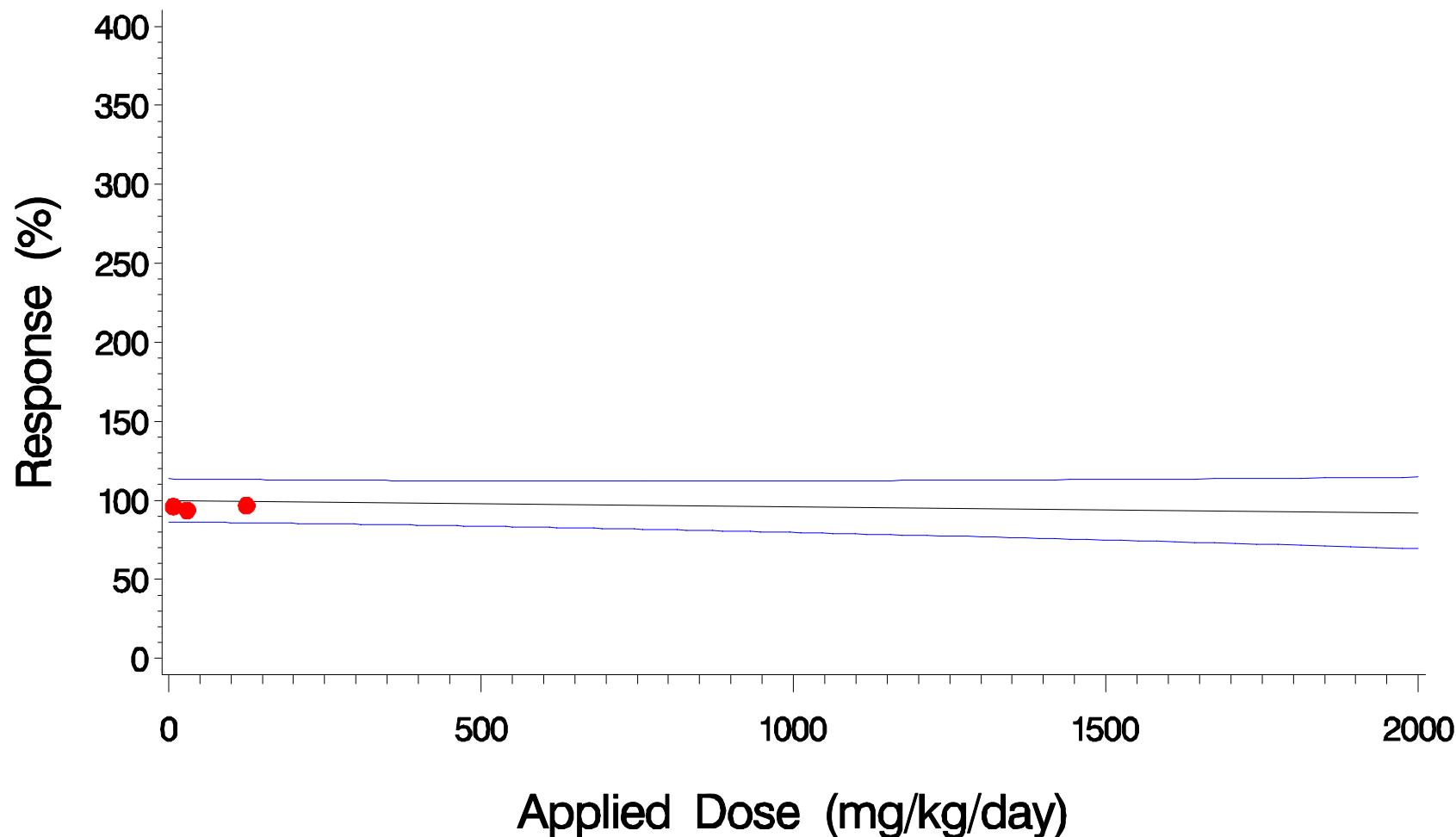
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86181 Sex = female



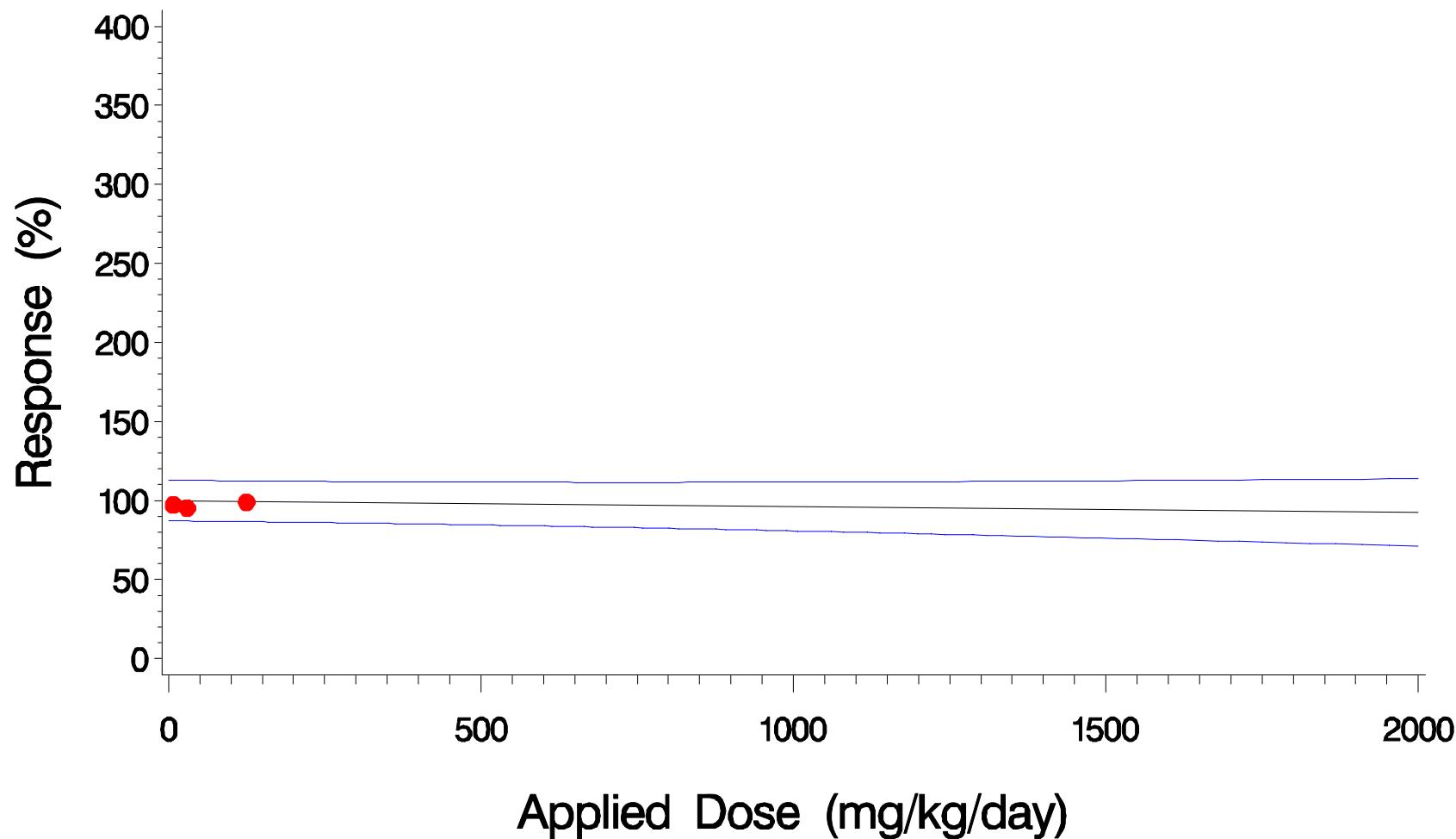
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86181 Sex = male



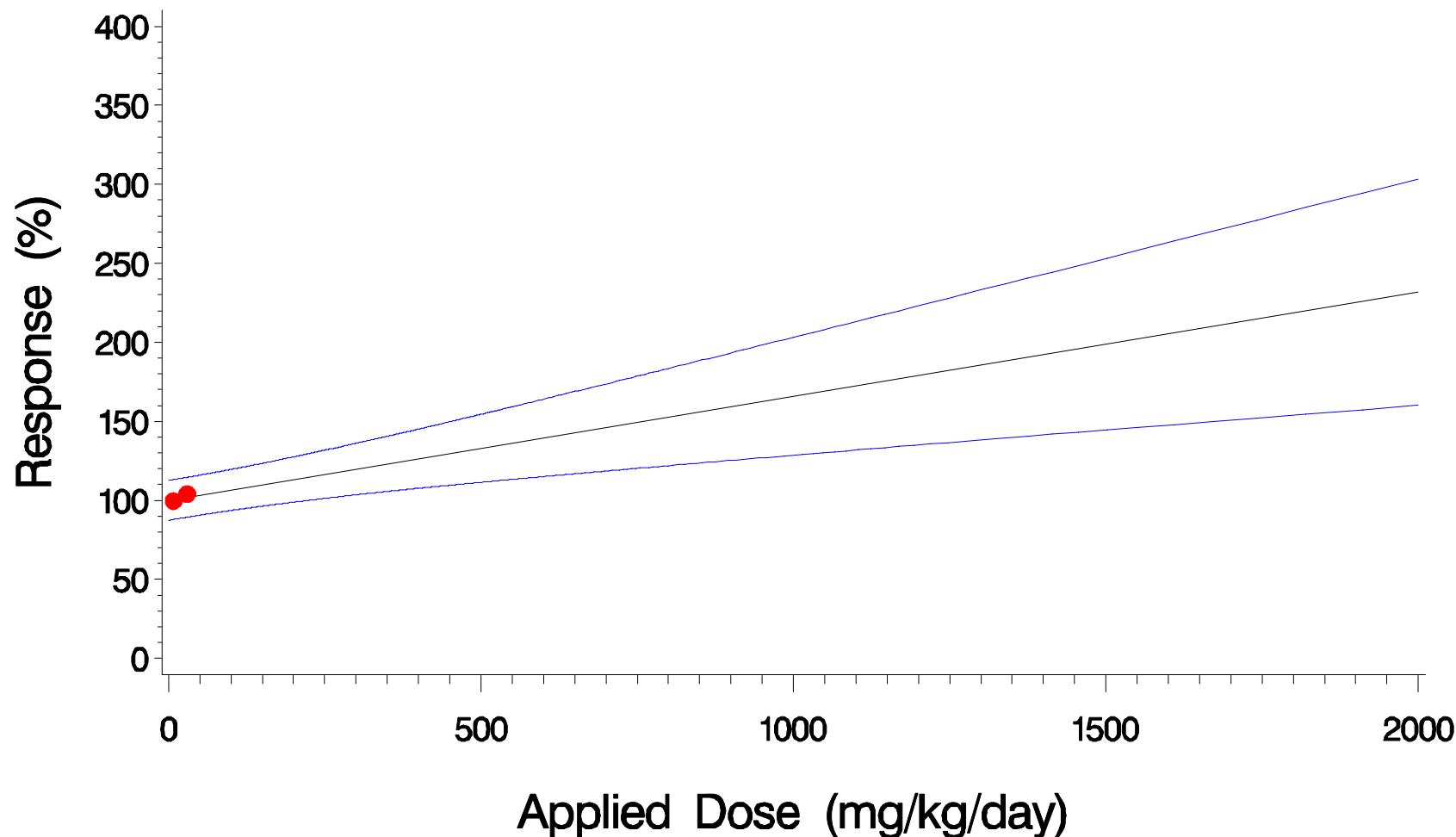
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86193 Sex = female



Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86193 Sex = male



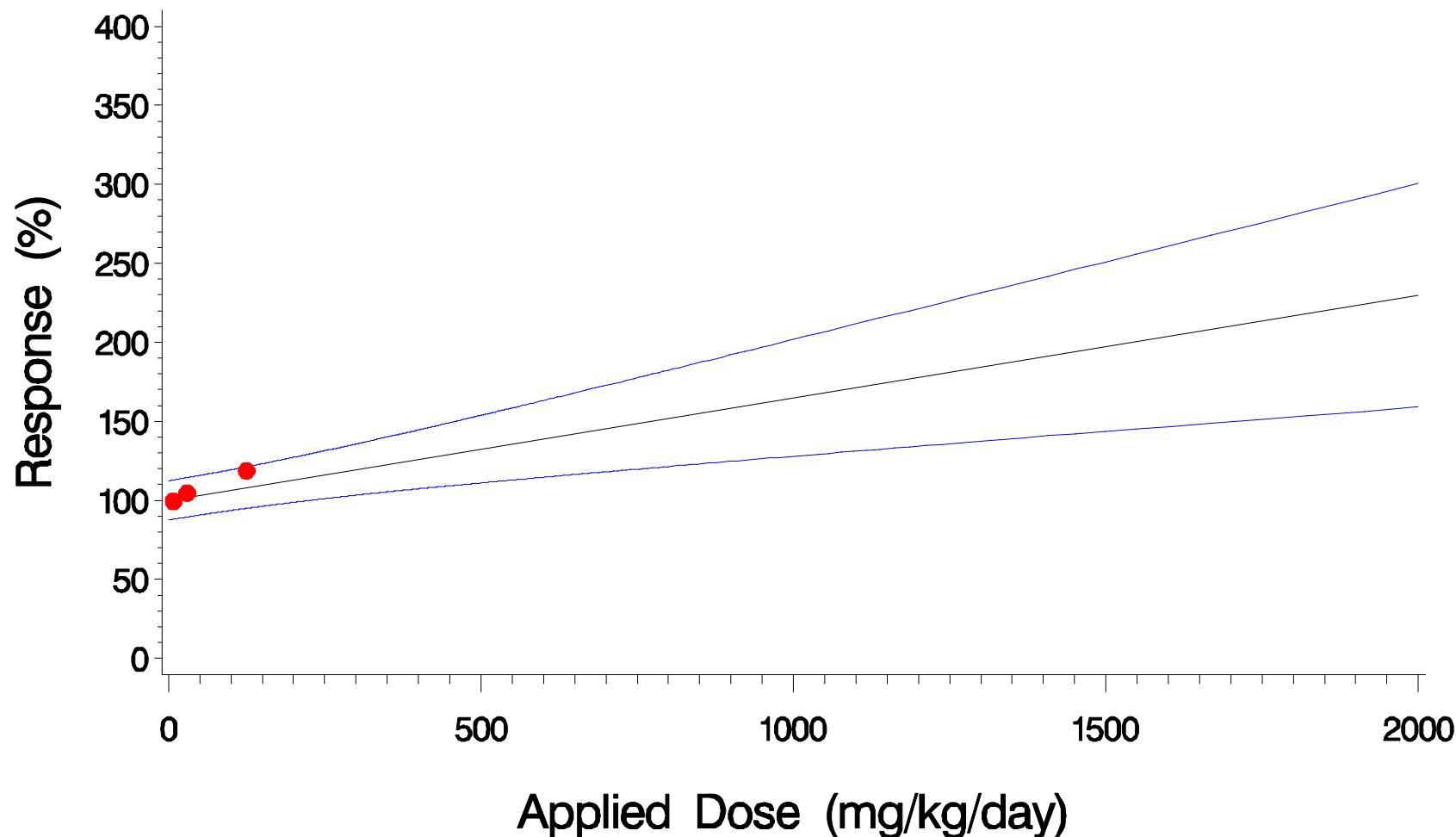
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86272 Sex = female



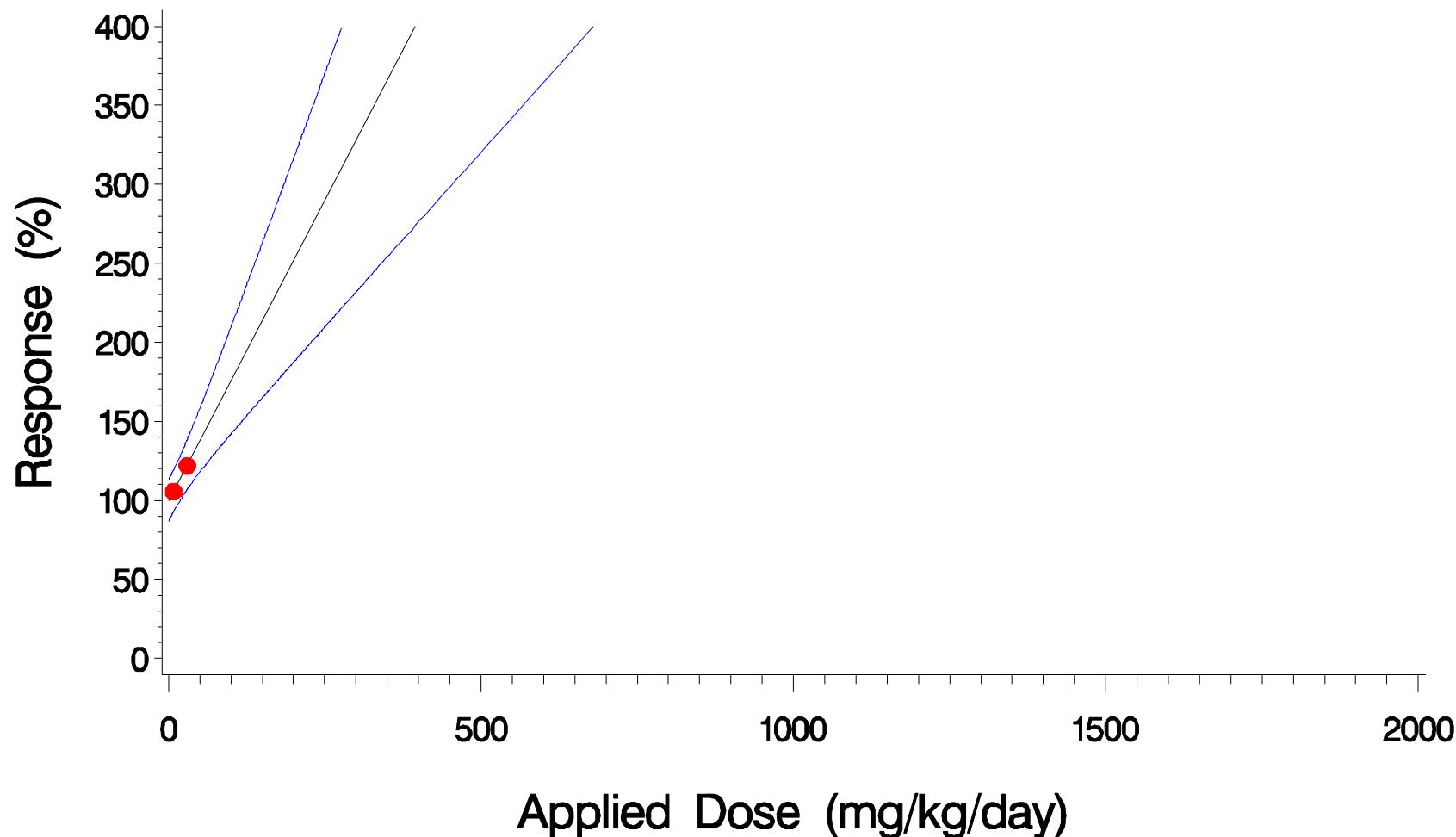
Heavy Fuel Oil

Repeat Dose Liver to BW Ratio

sample_no = 86272 Sex = male



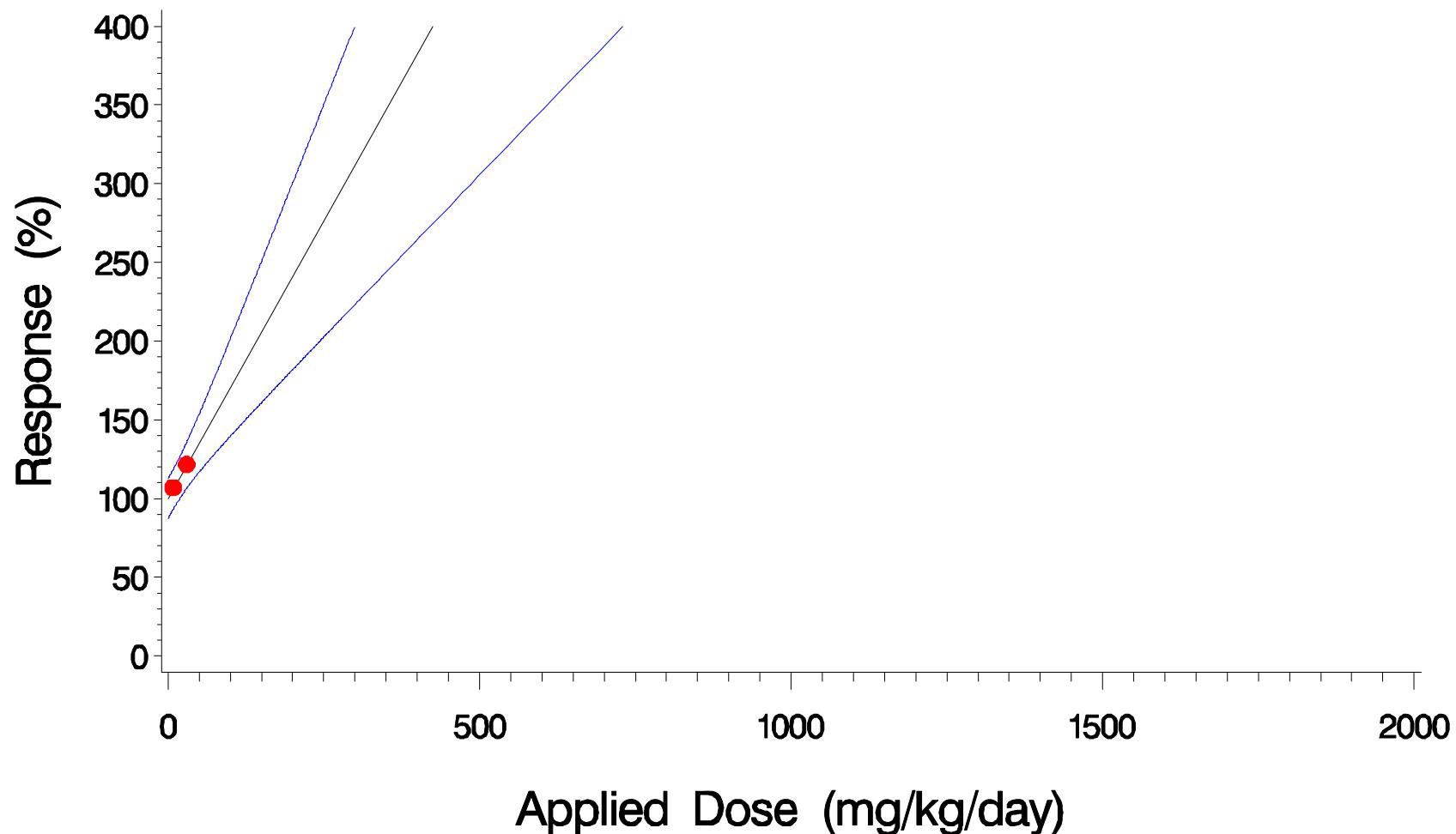
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = 86484 Sex = female



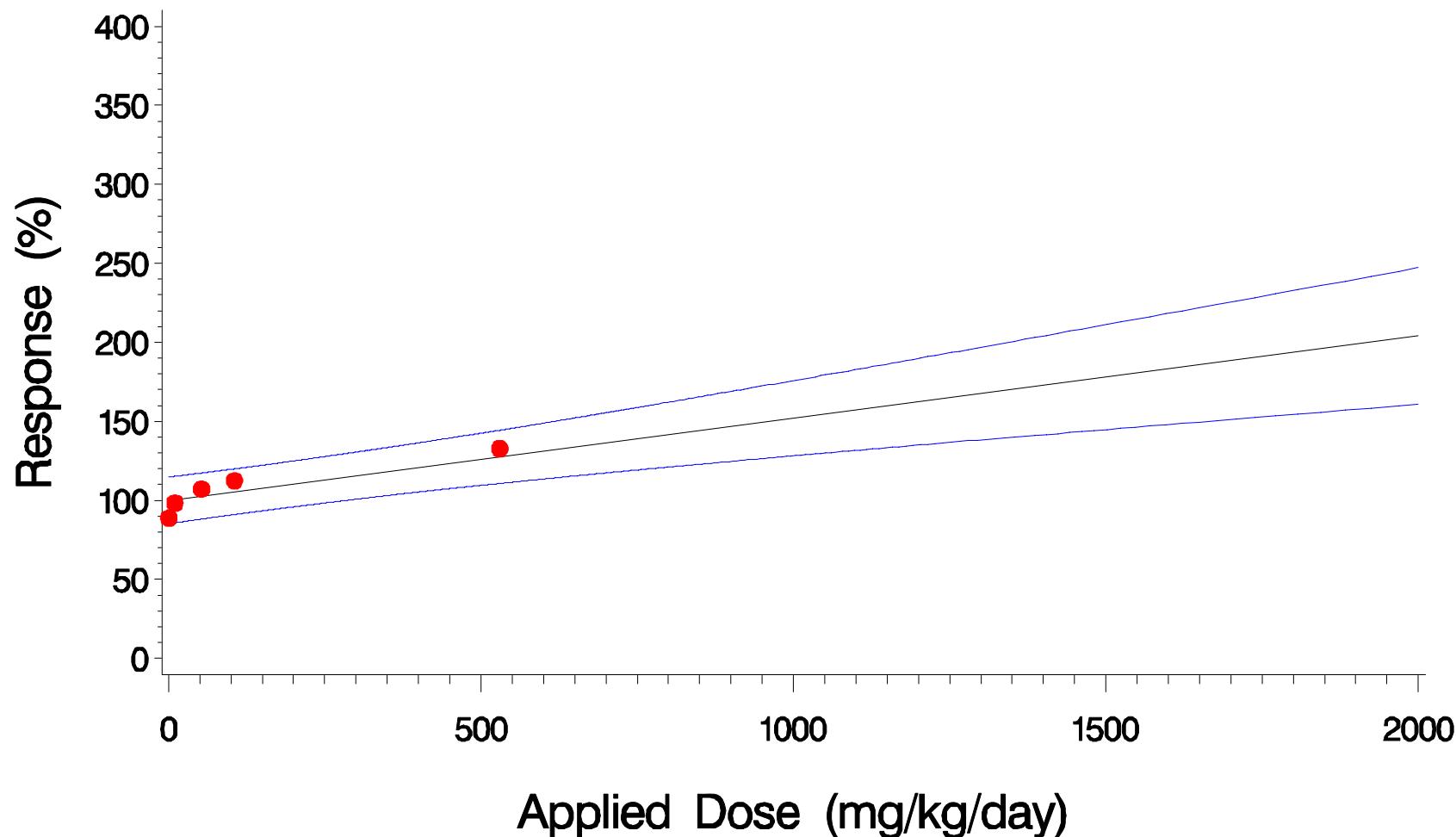
Heavy Fuel Oil

Repeat Dose Liver to BW Ratio

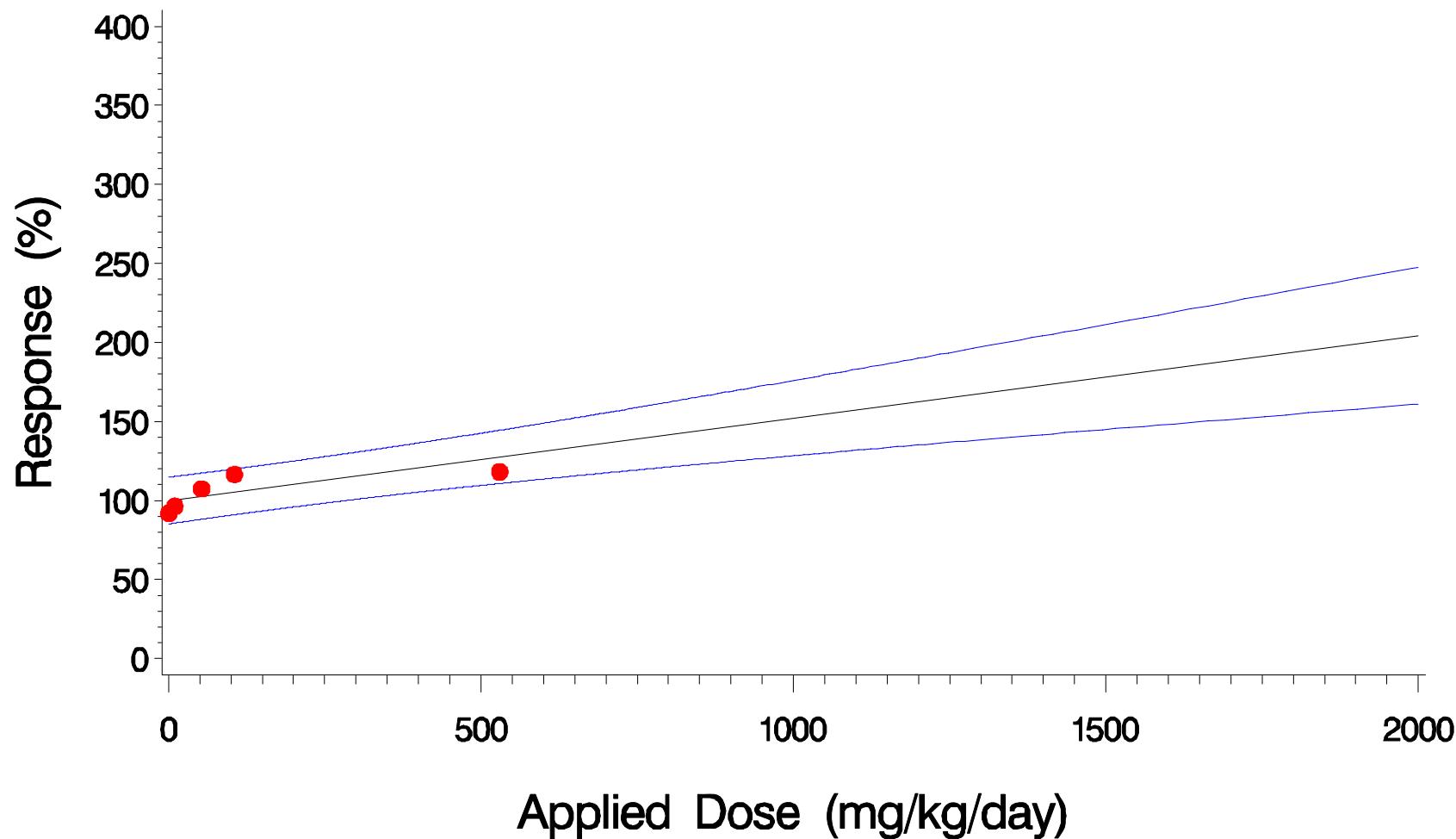
sample_no = 86484 Sex = male



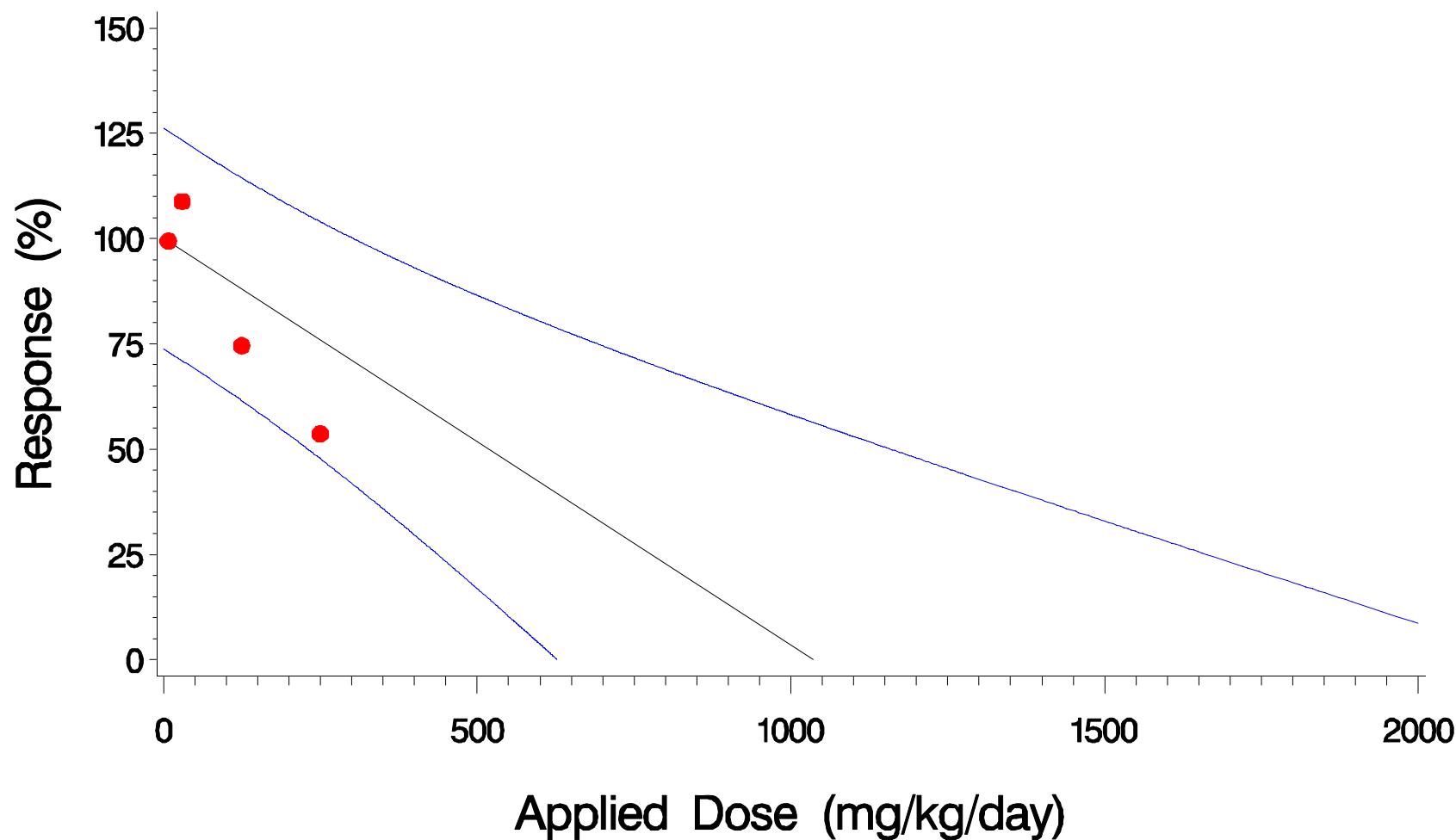
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = F – 179 Sex = female



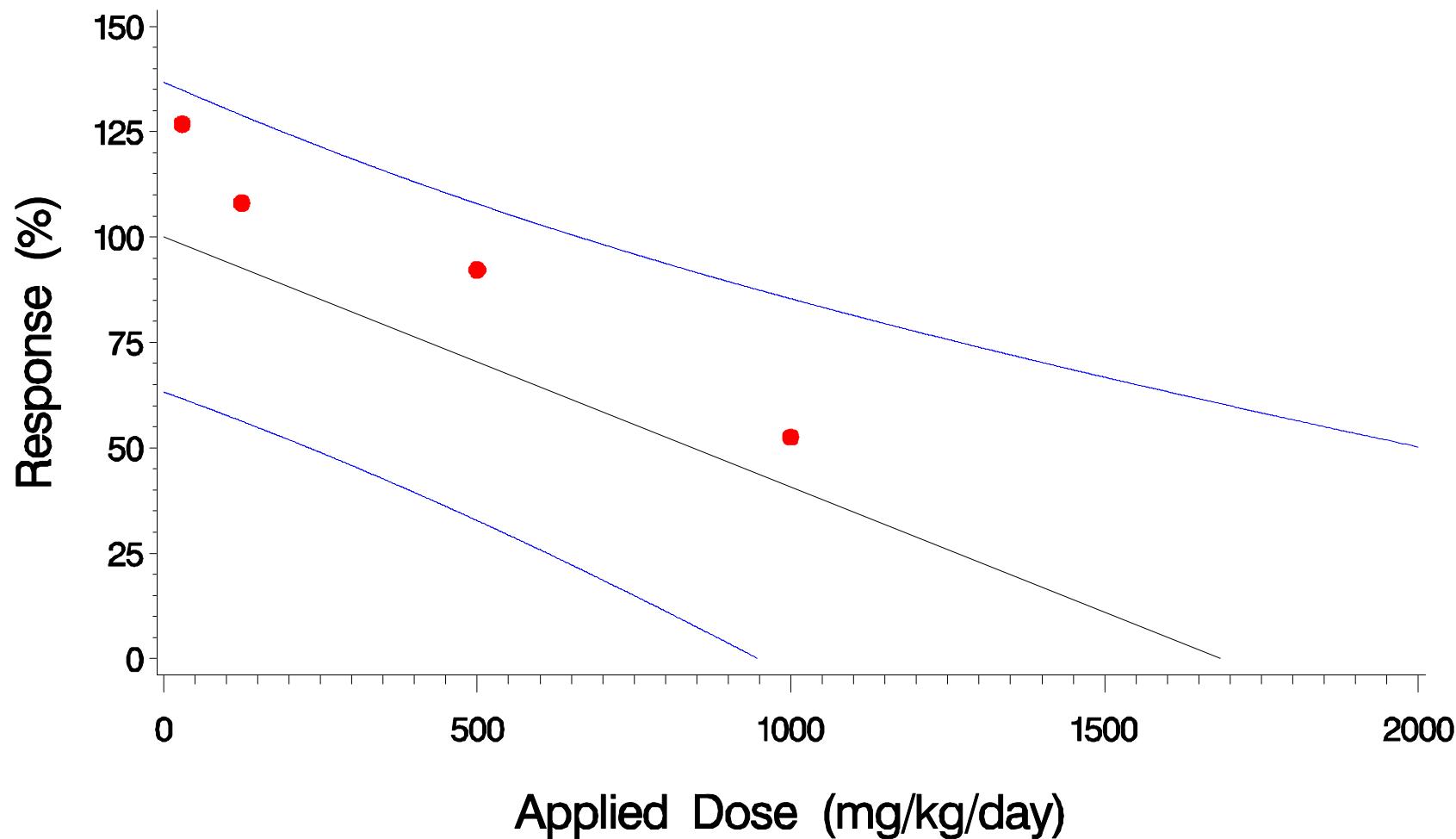
Heavy Fuel Oil
Repeat Dose Liver to BW Ratio
sample_no = F – 179 Sex = male



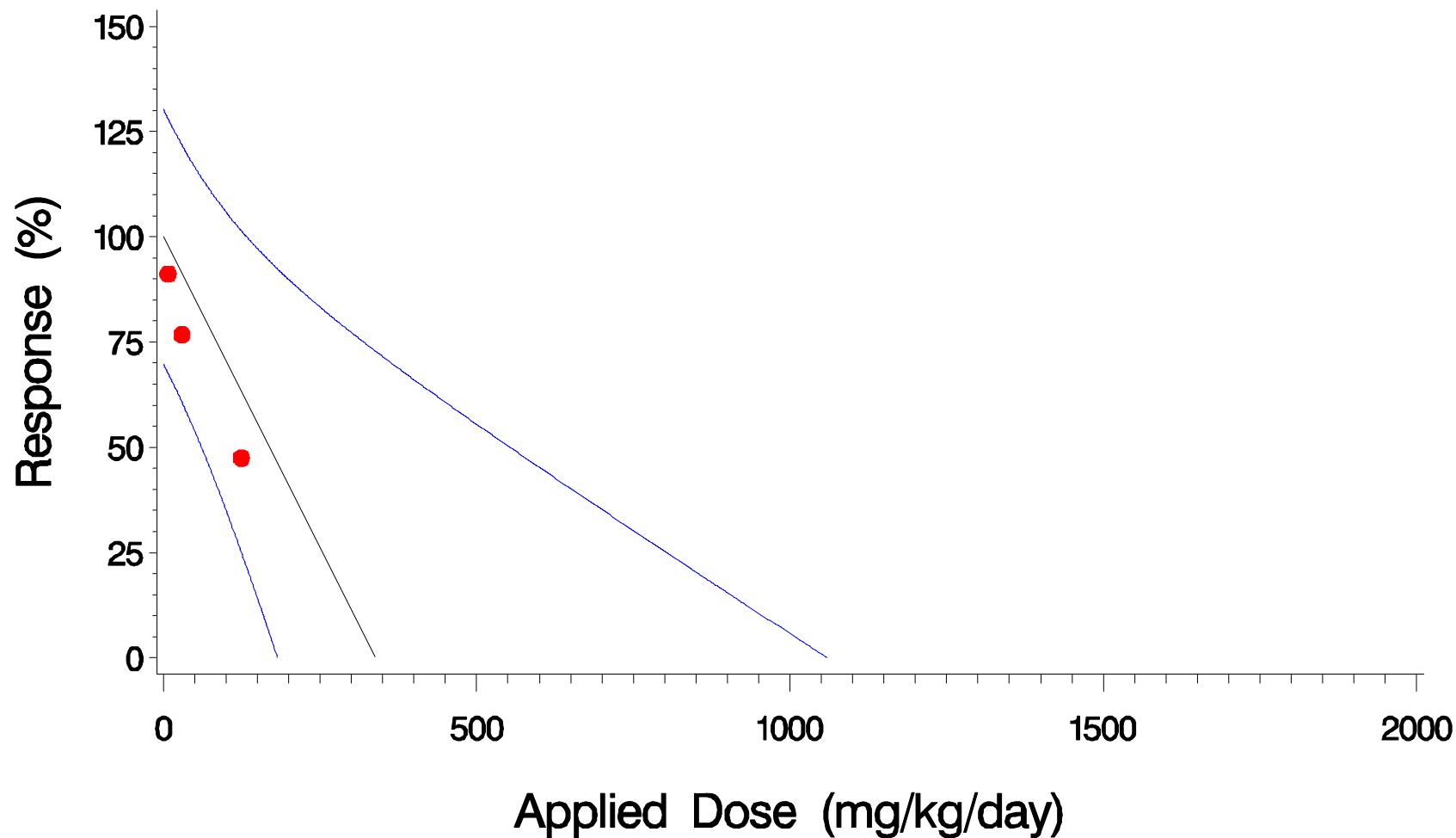
Heavy Fuel Oil
Pre-natal Thymus Weight
sample_no = 83366



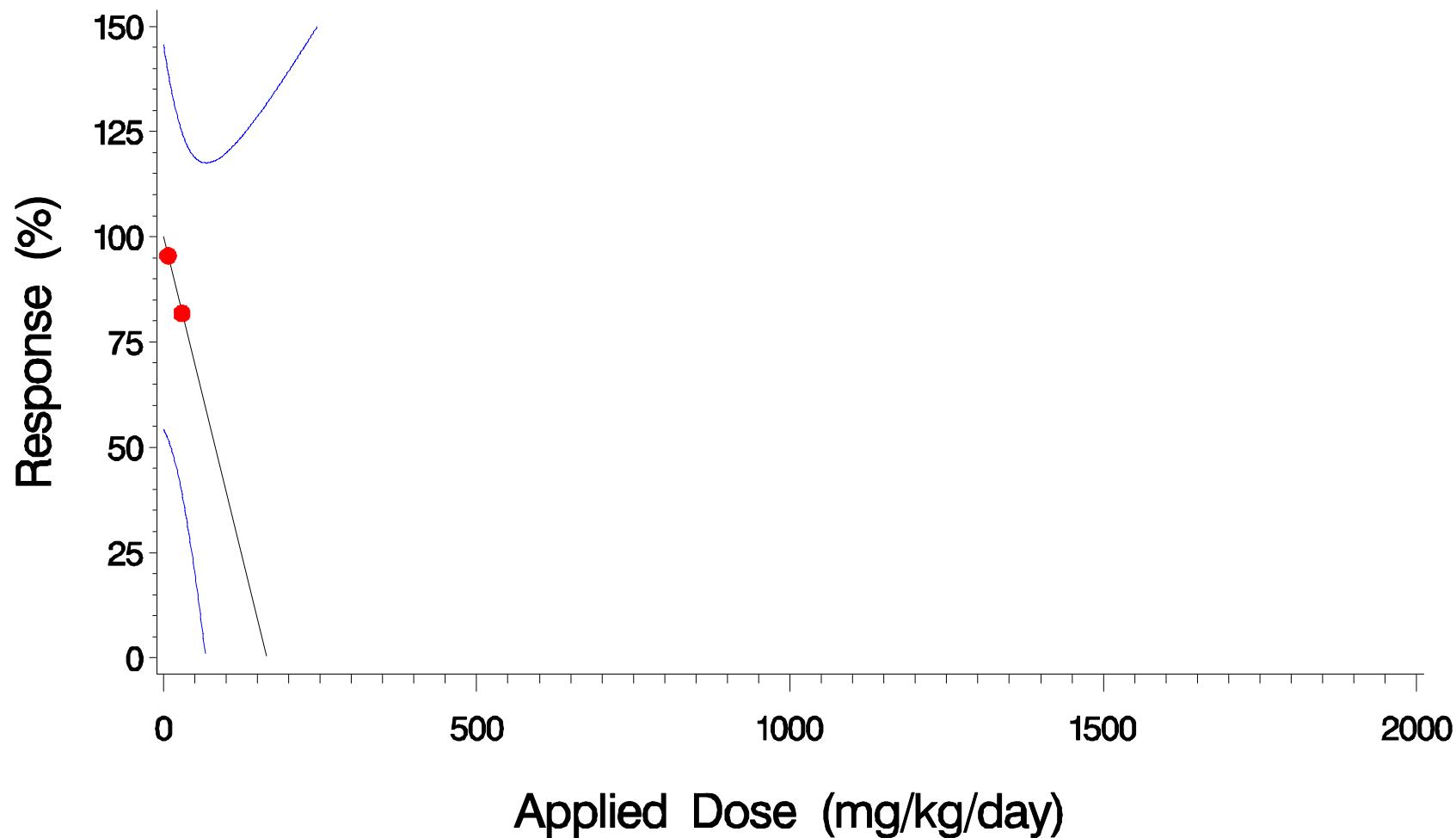
Heavy Fuel Oil
Pre-natal Thymus Weight
sample_no = 85244



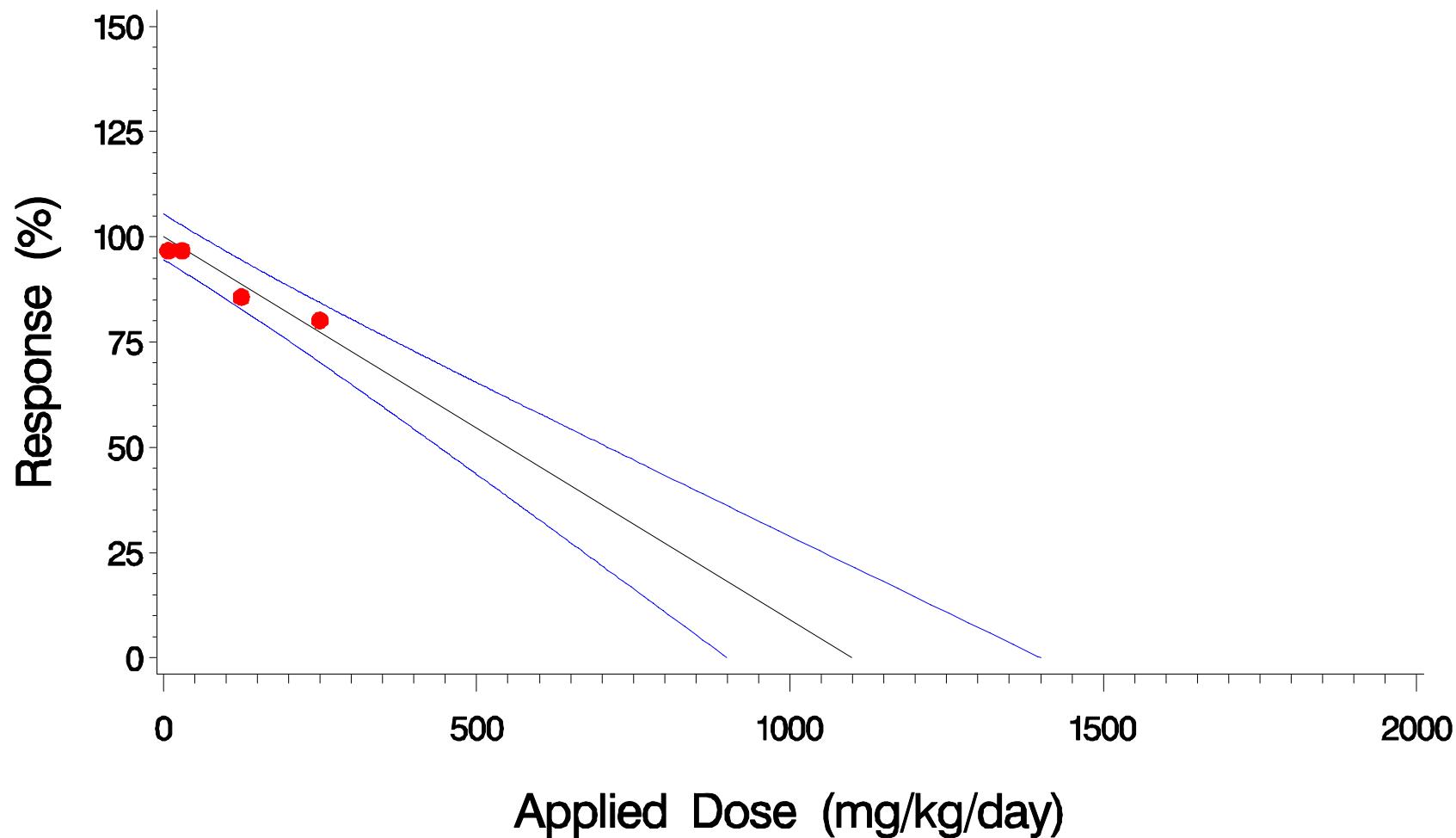
Heavy Fuel Oil
Pre-natal Thymus Weight
sample_no = 86181



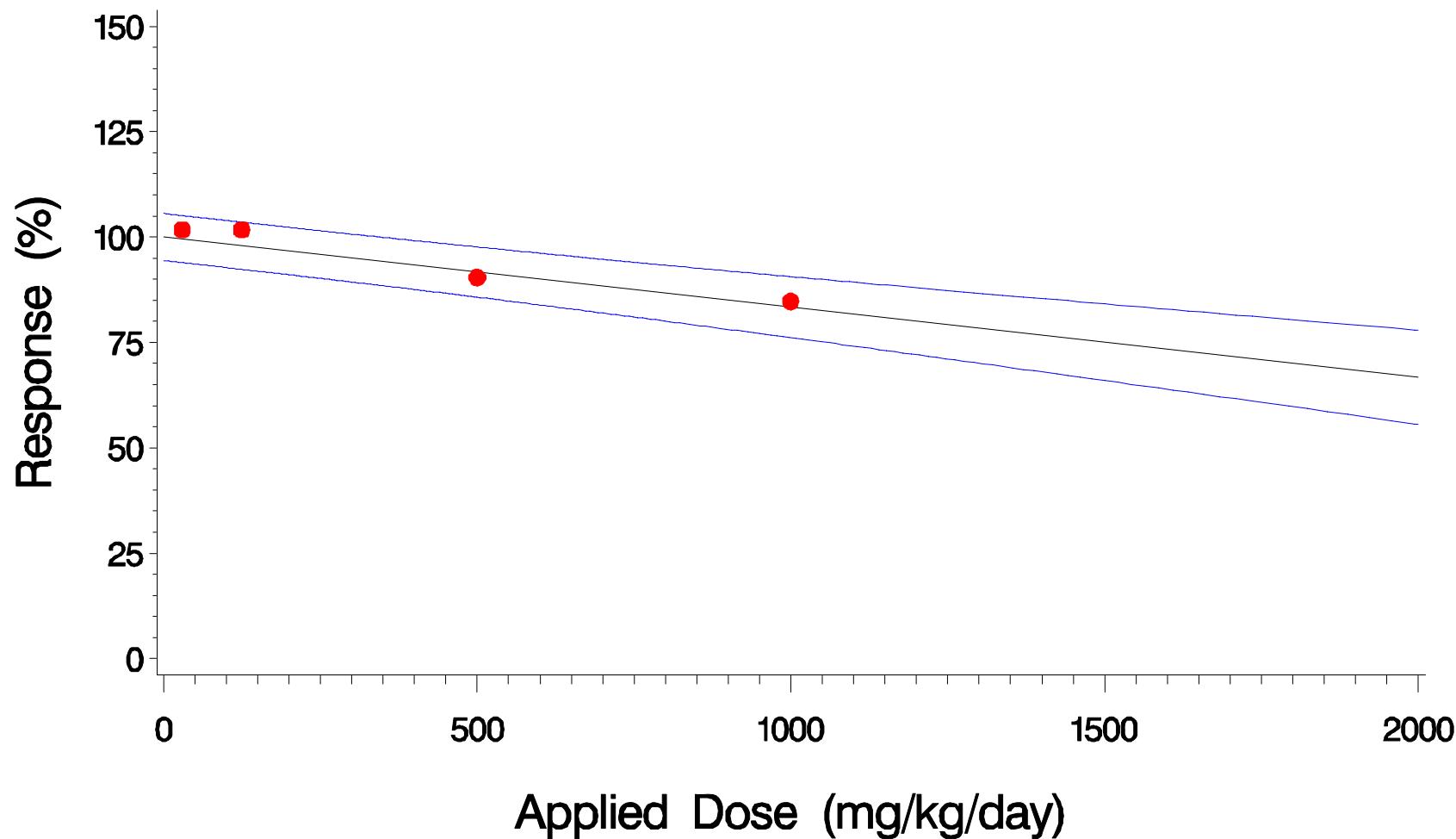
Heavy Fuel Oil
Pre-natal Thymus Weight
sample_no = 86484



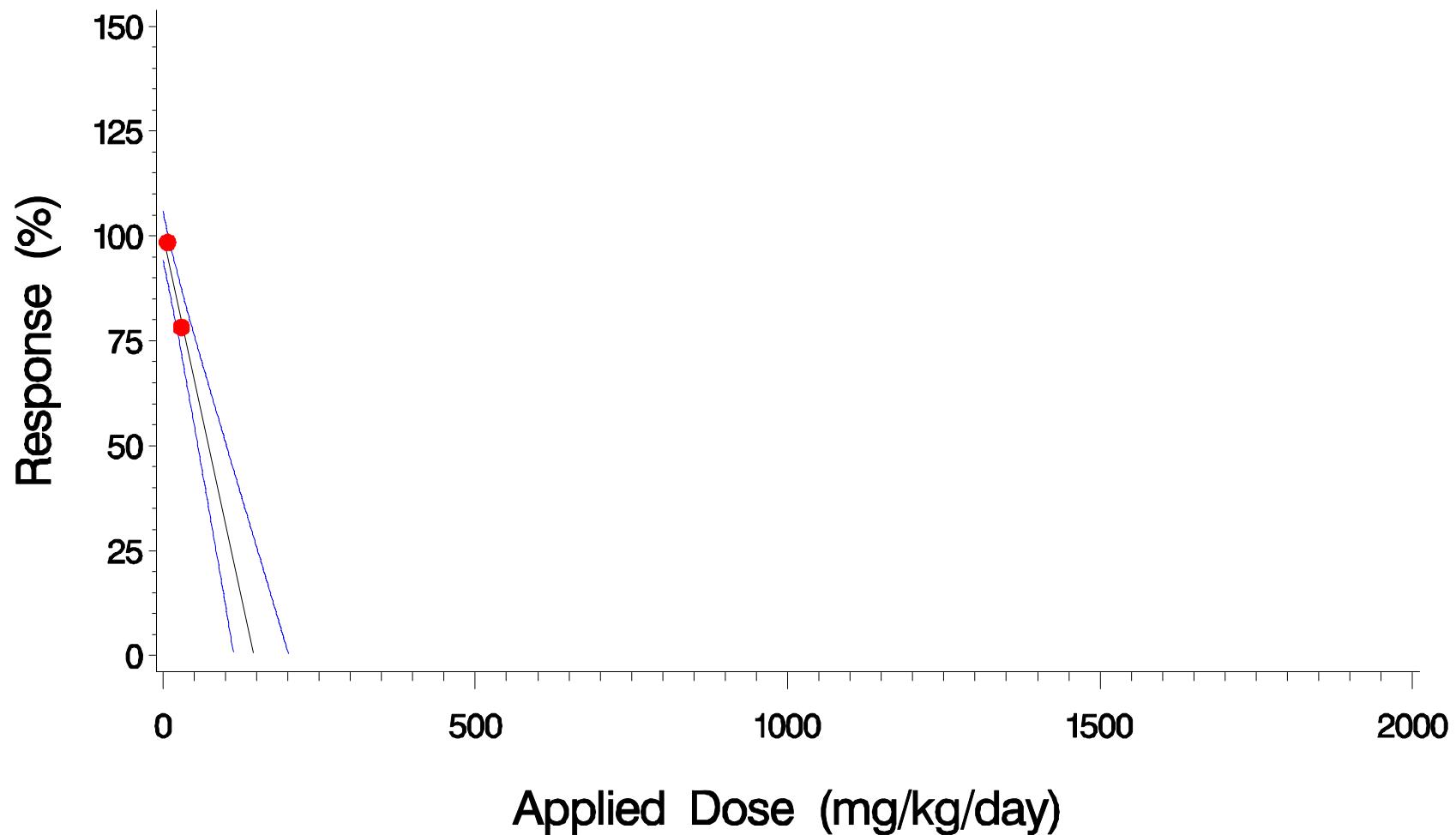
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 83366



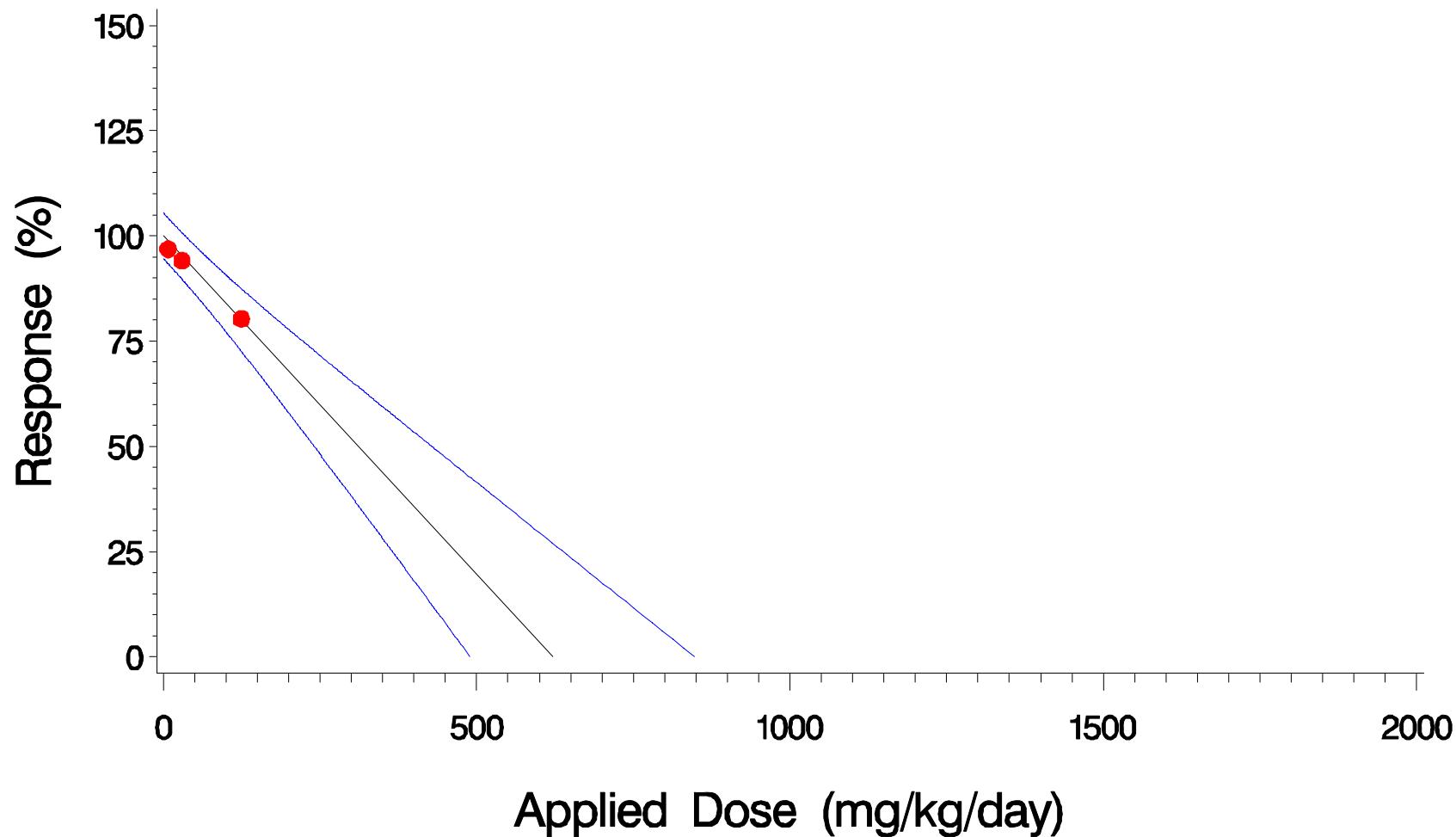
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 85244



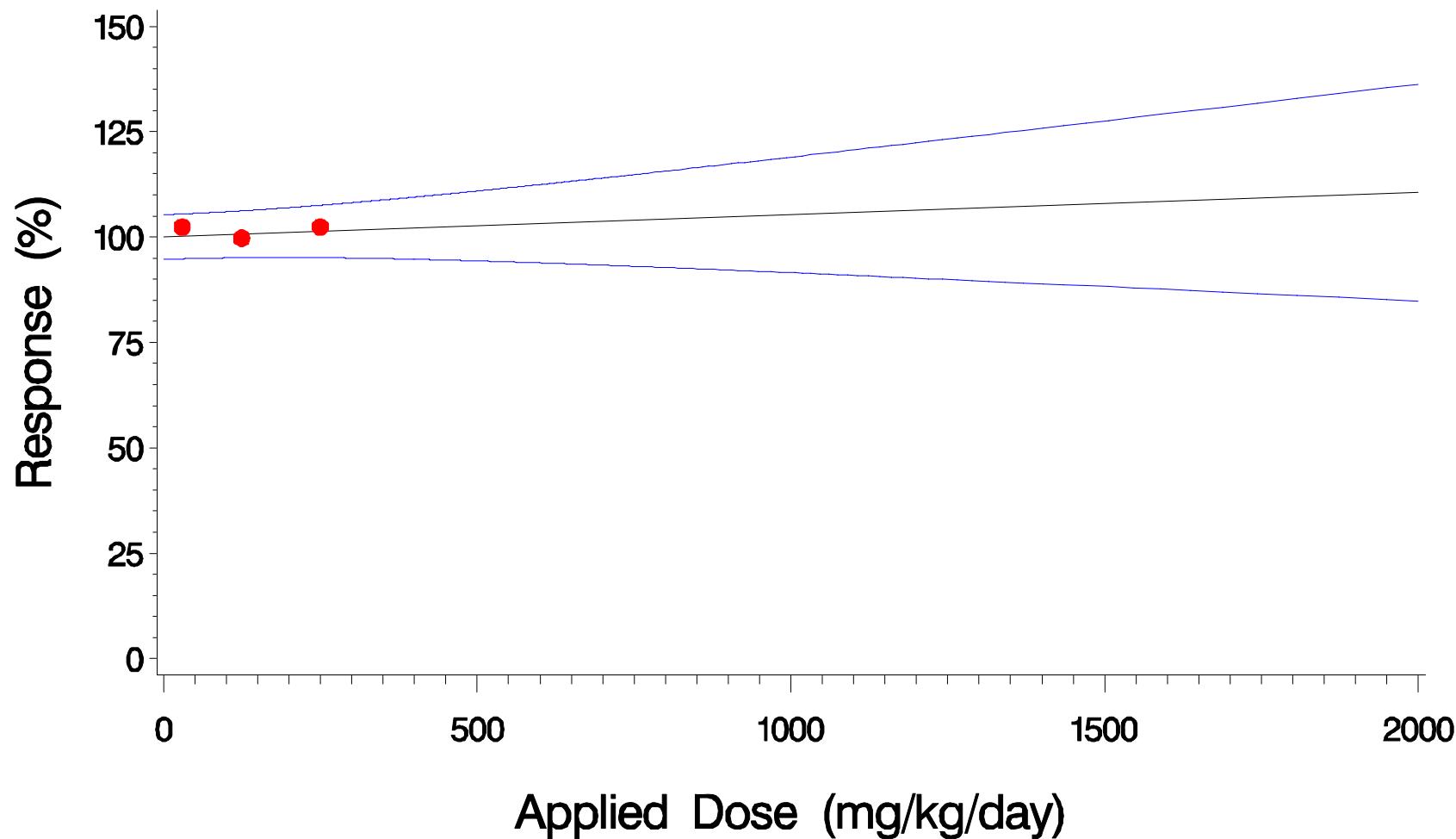
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 86001



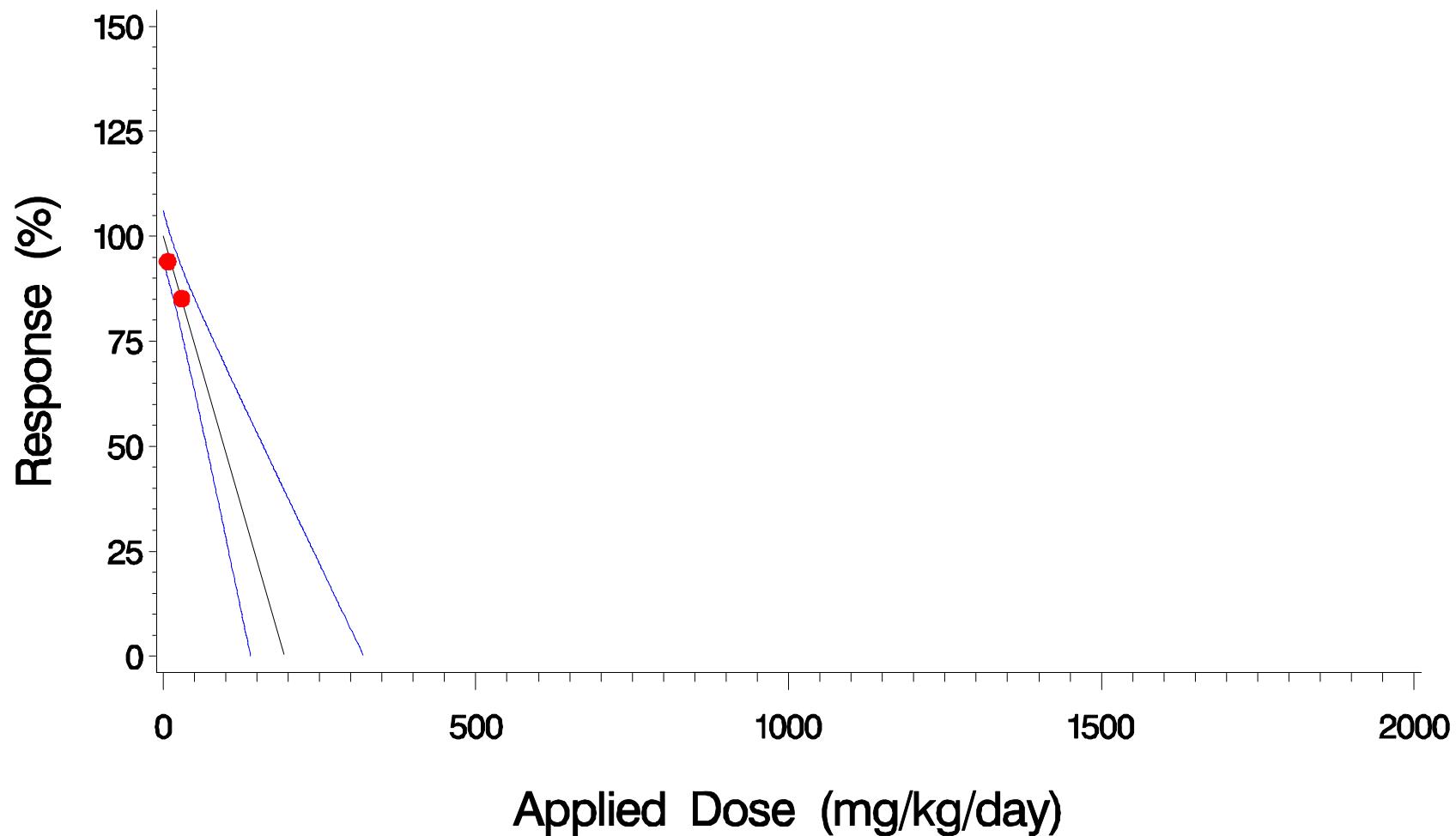
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 86181



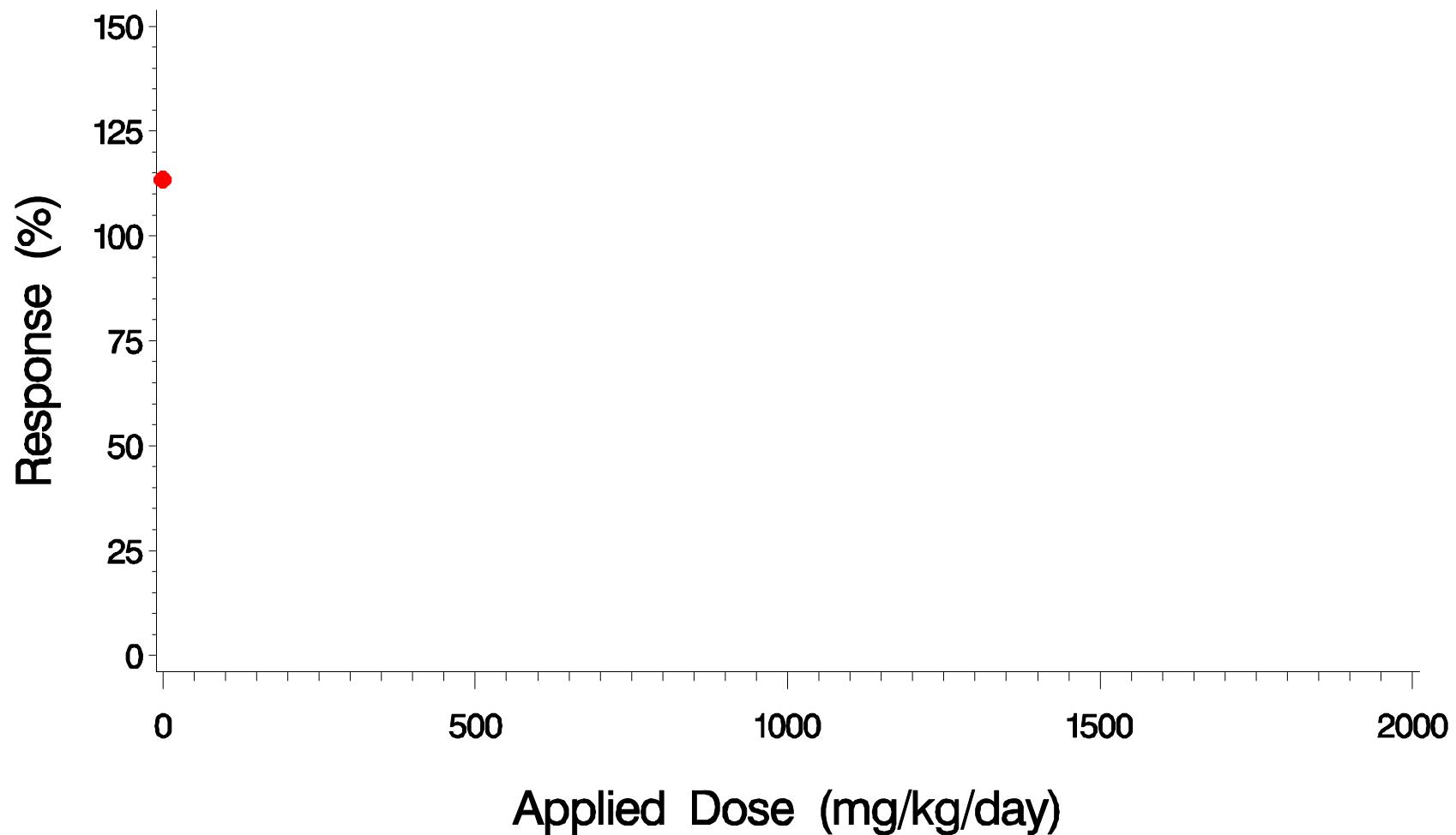
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 86193



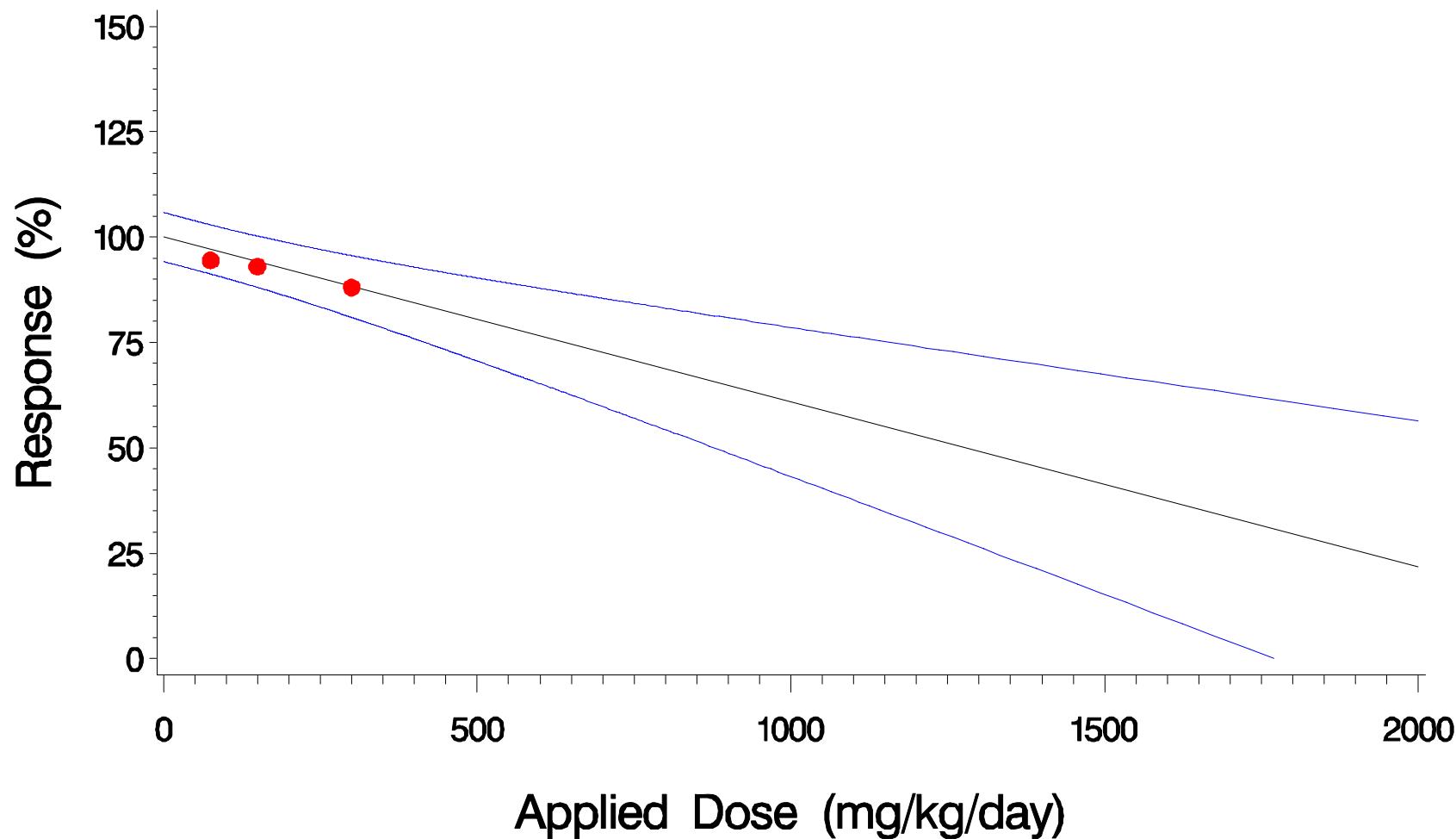
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = 86484



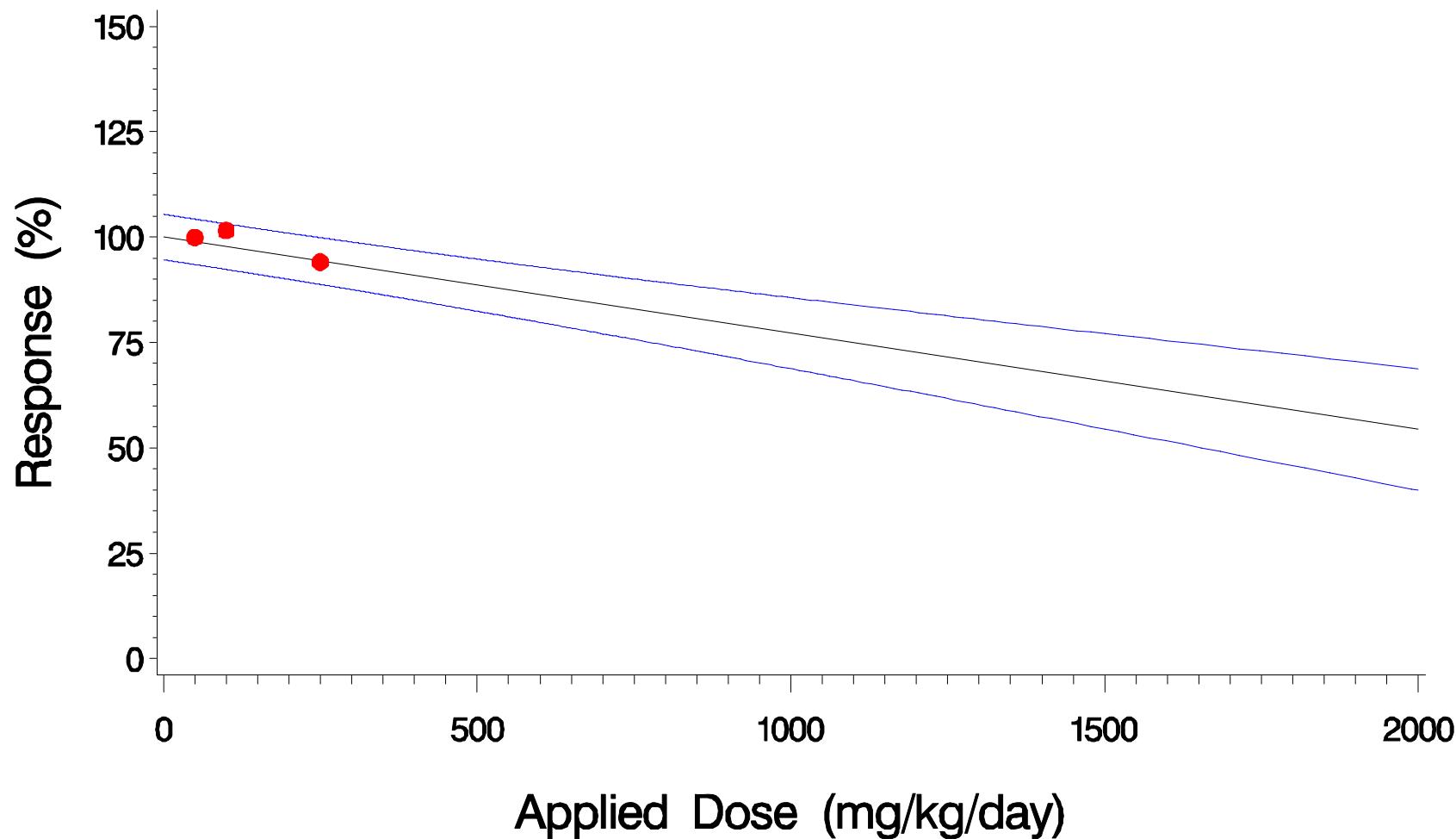
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = F - 179



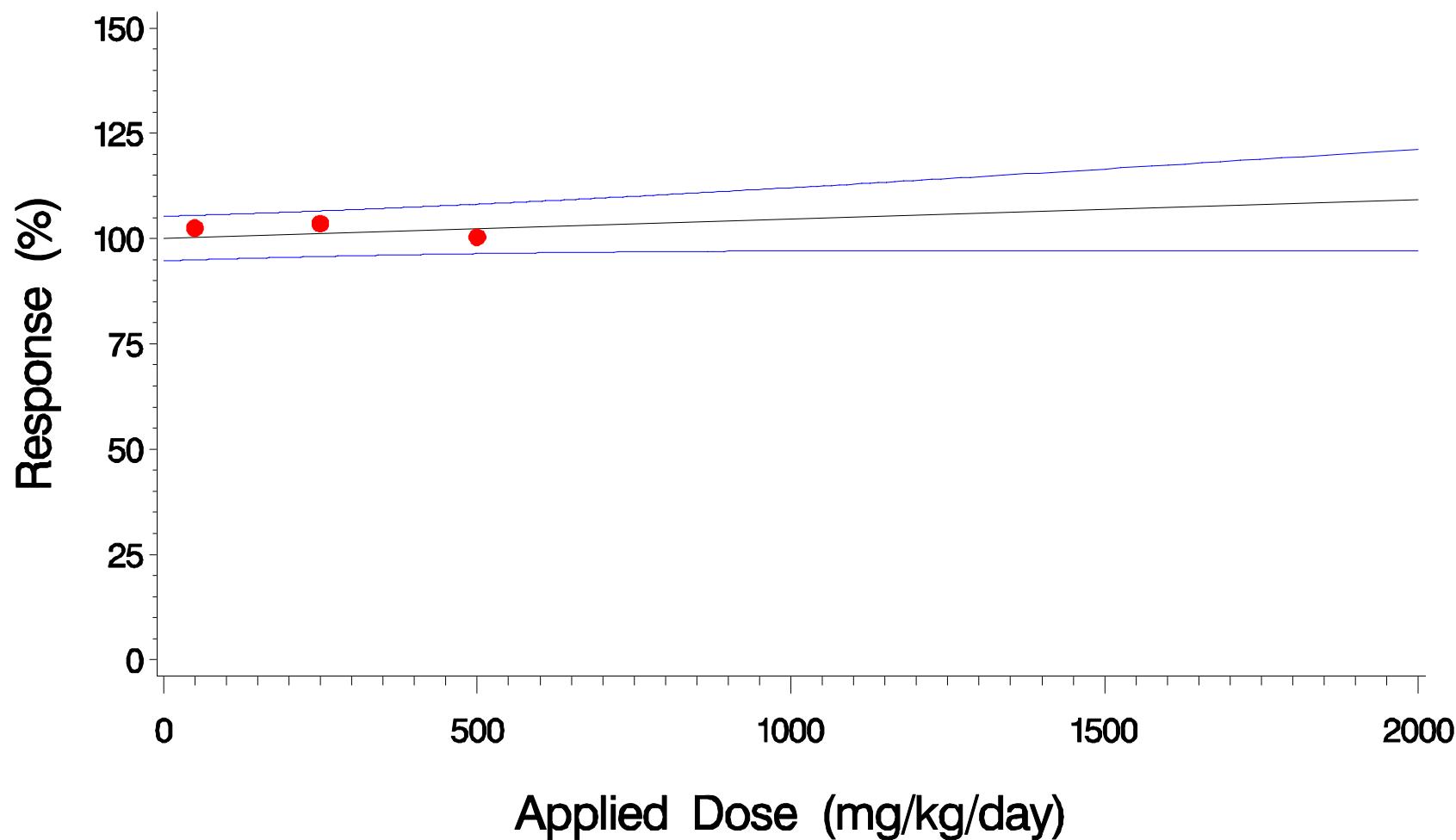
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = F - 196



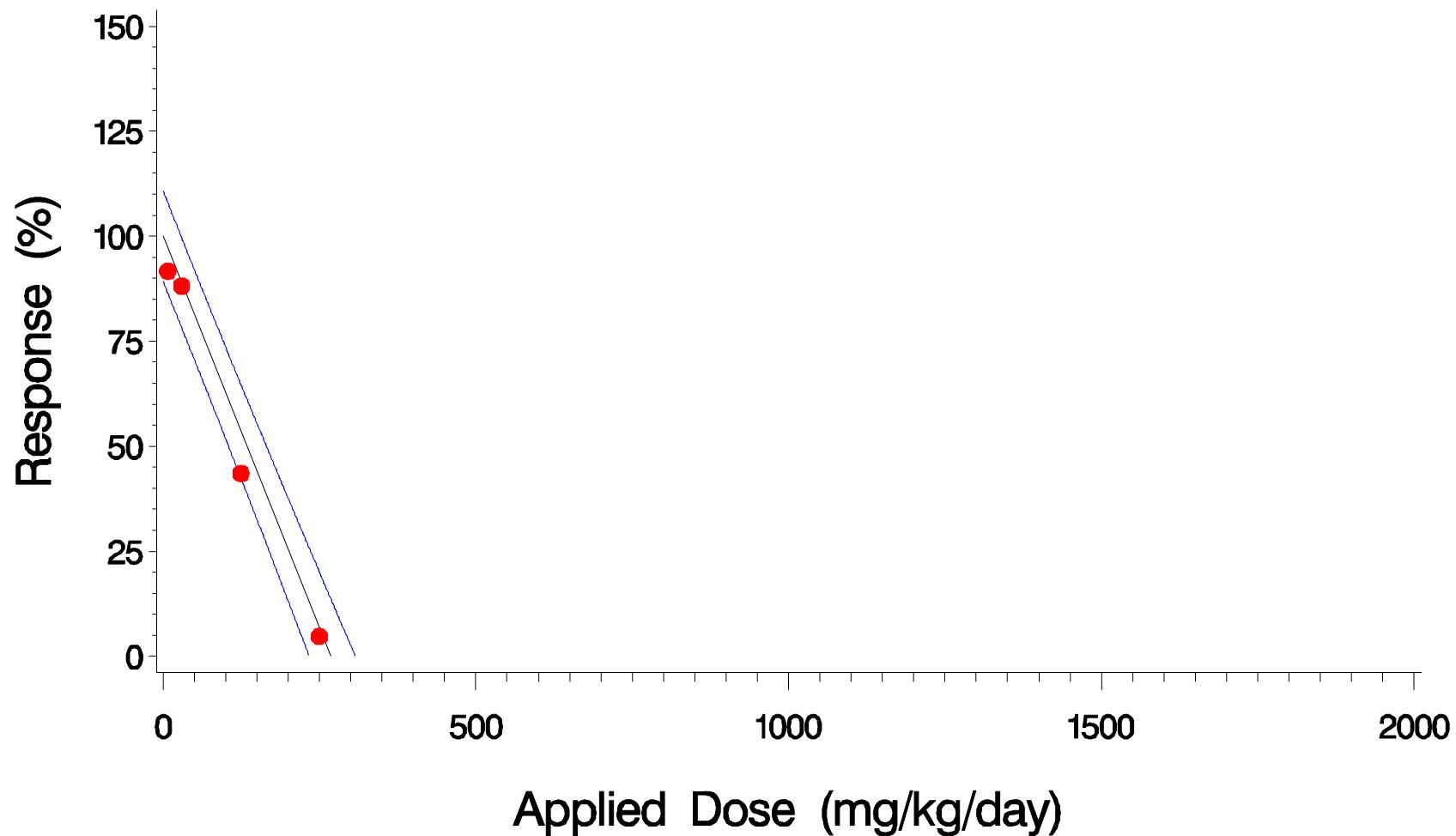
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = F - 197



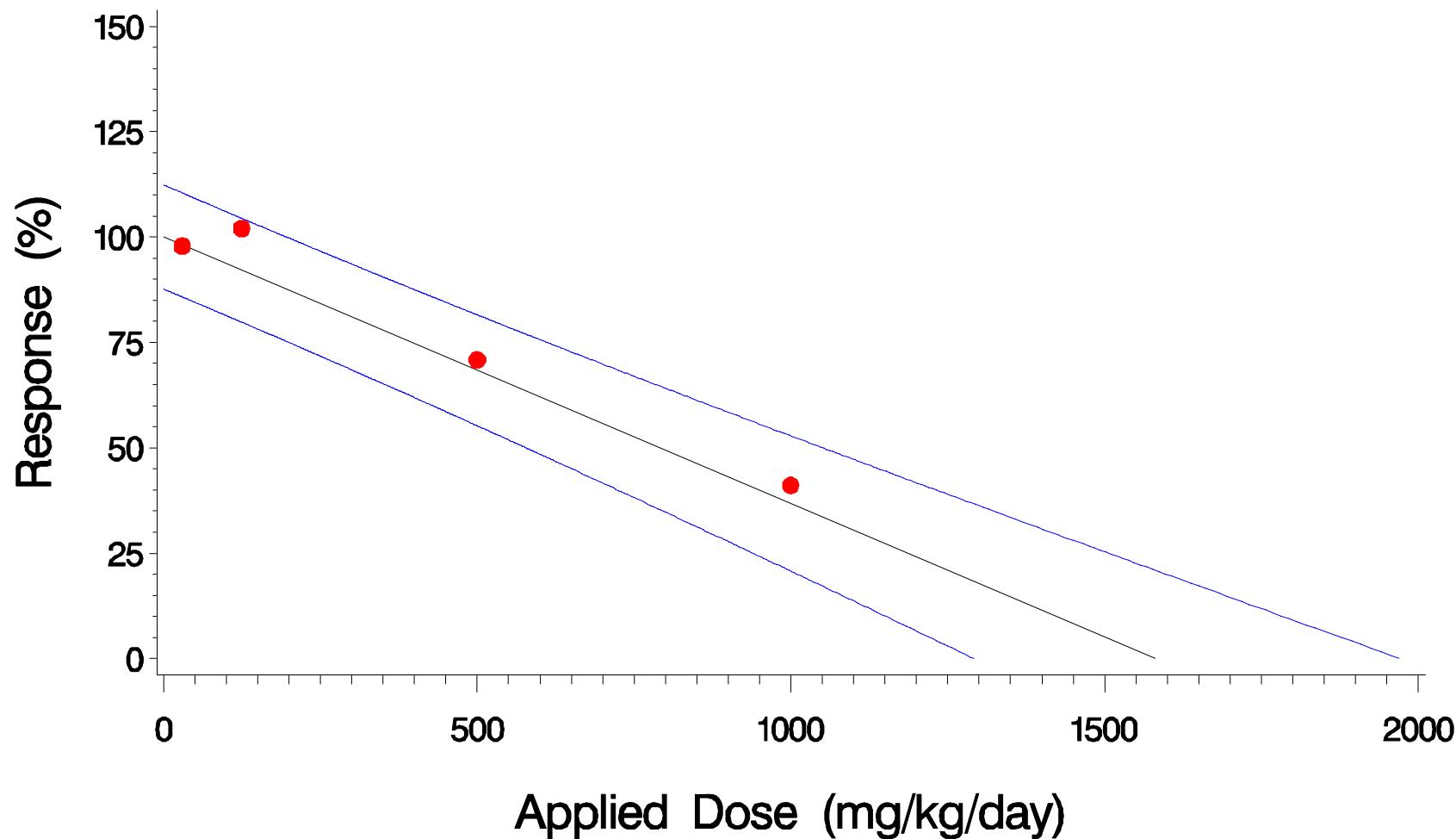
Heavy Fuel Oil
Pre-natal Fetal Weight
sample_no = F - 215



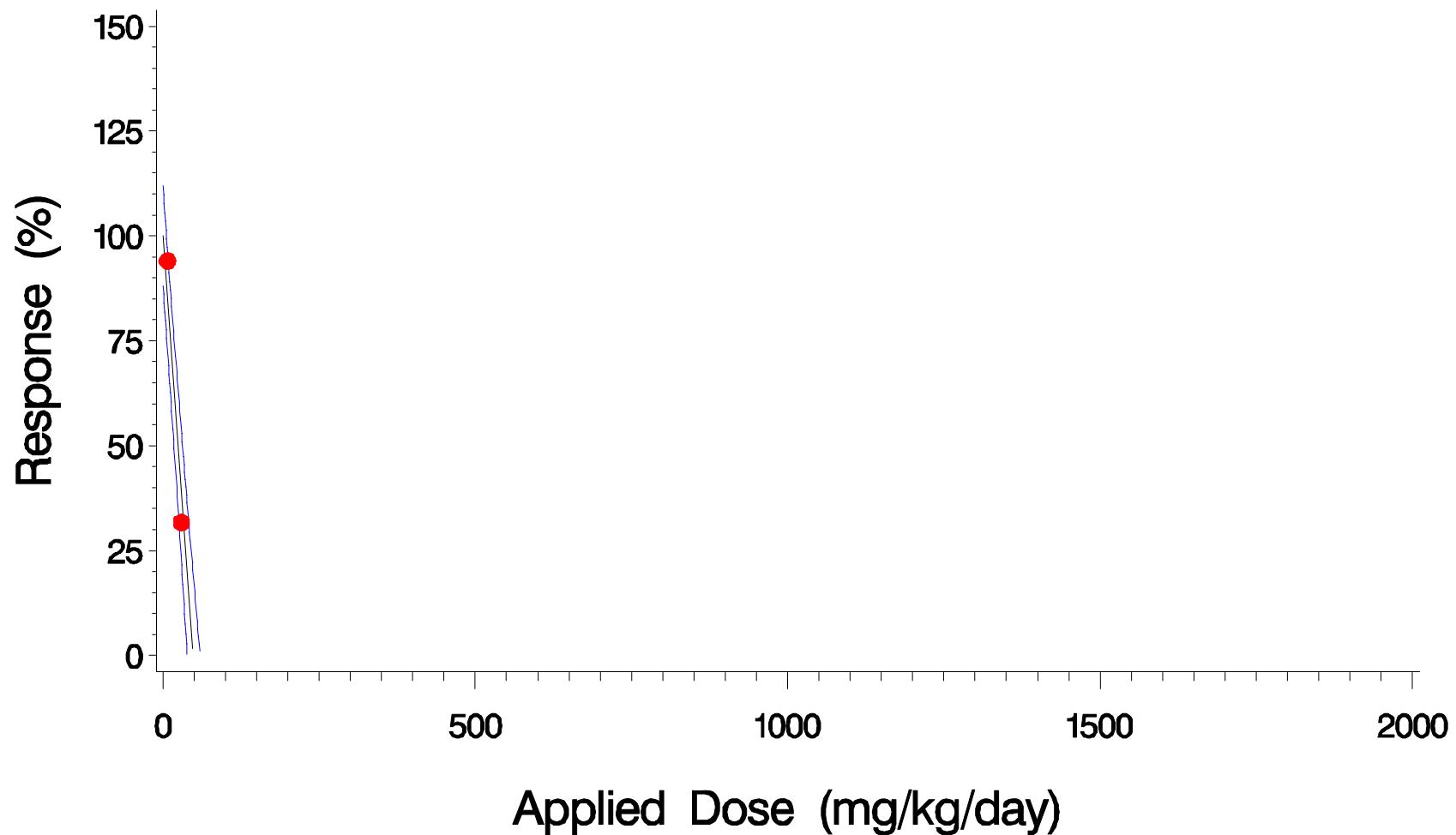
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 83366



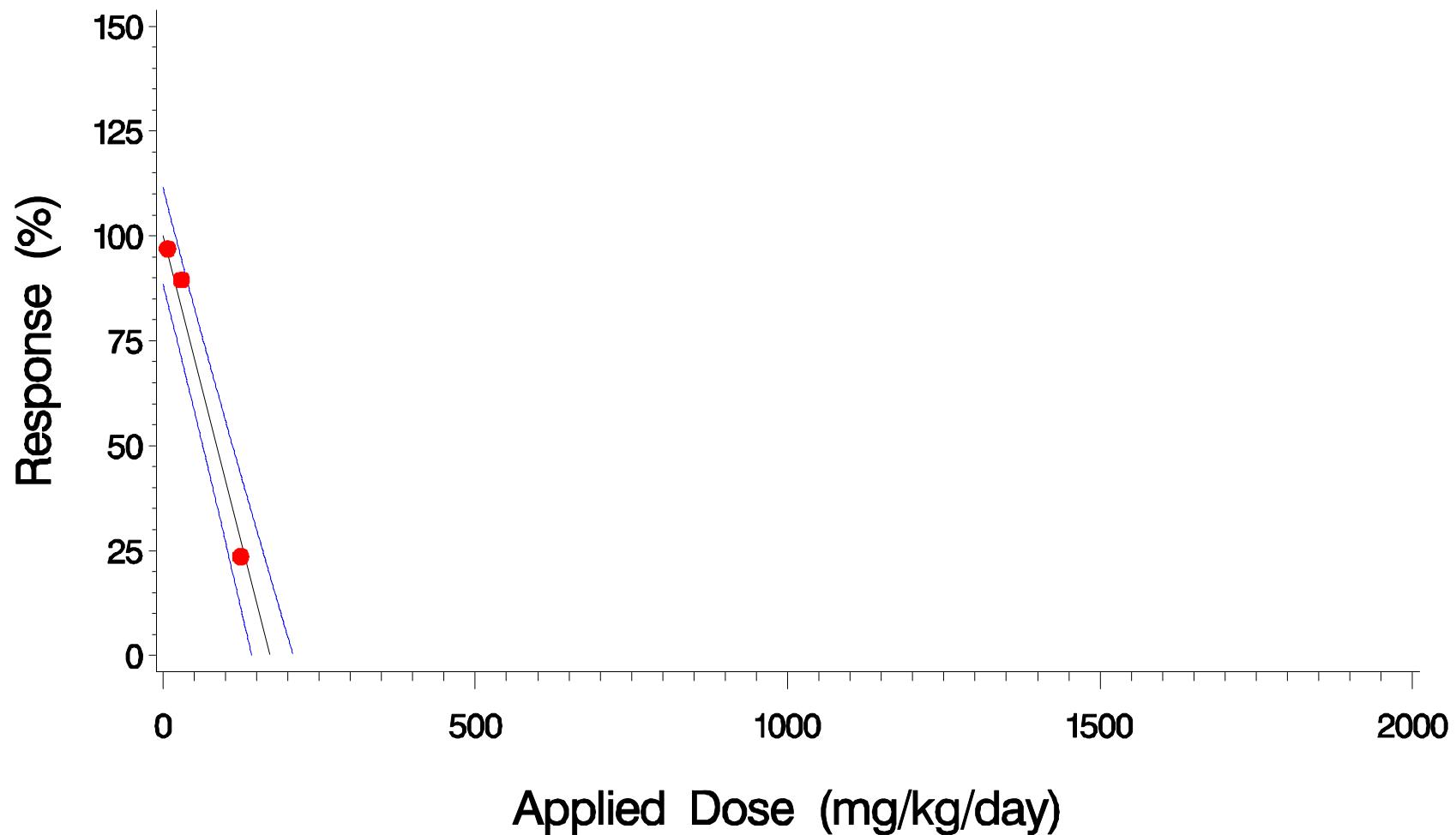
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 85244



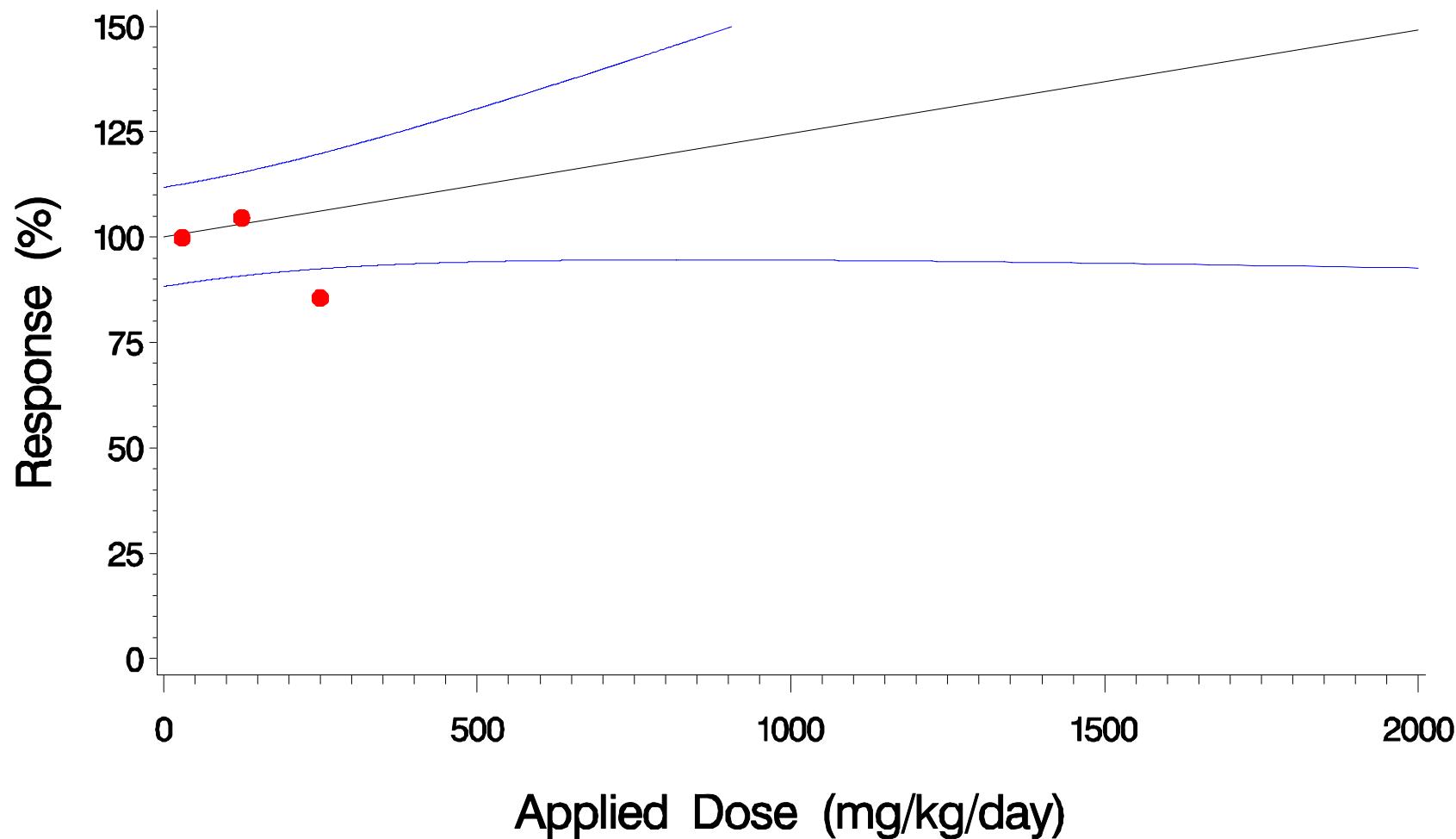
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 86001



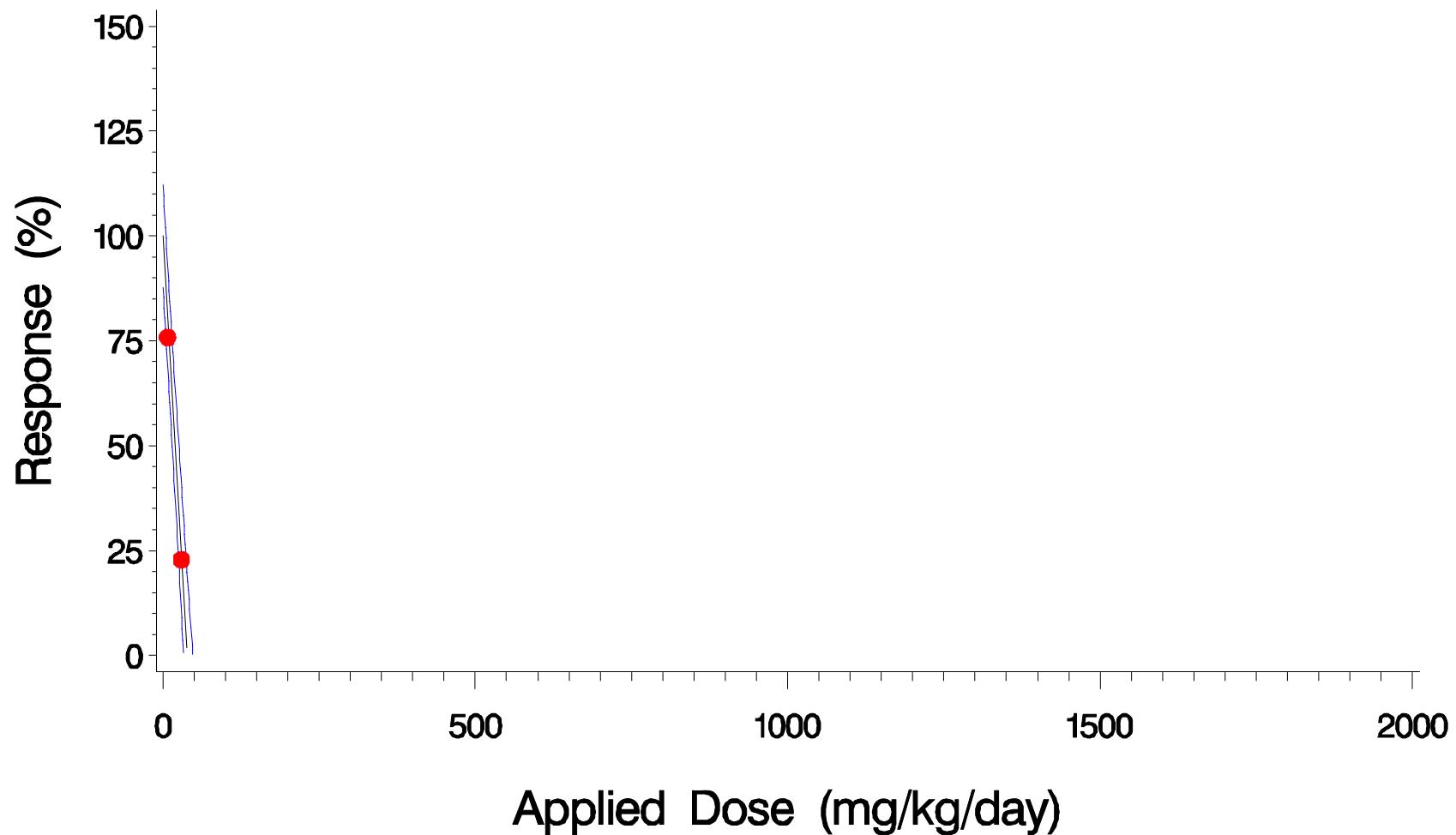
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 86181



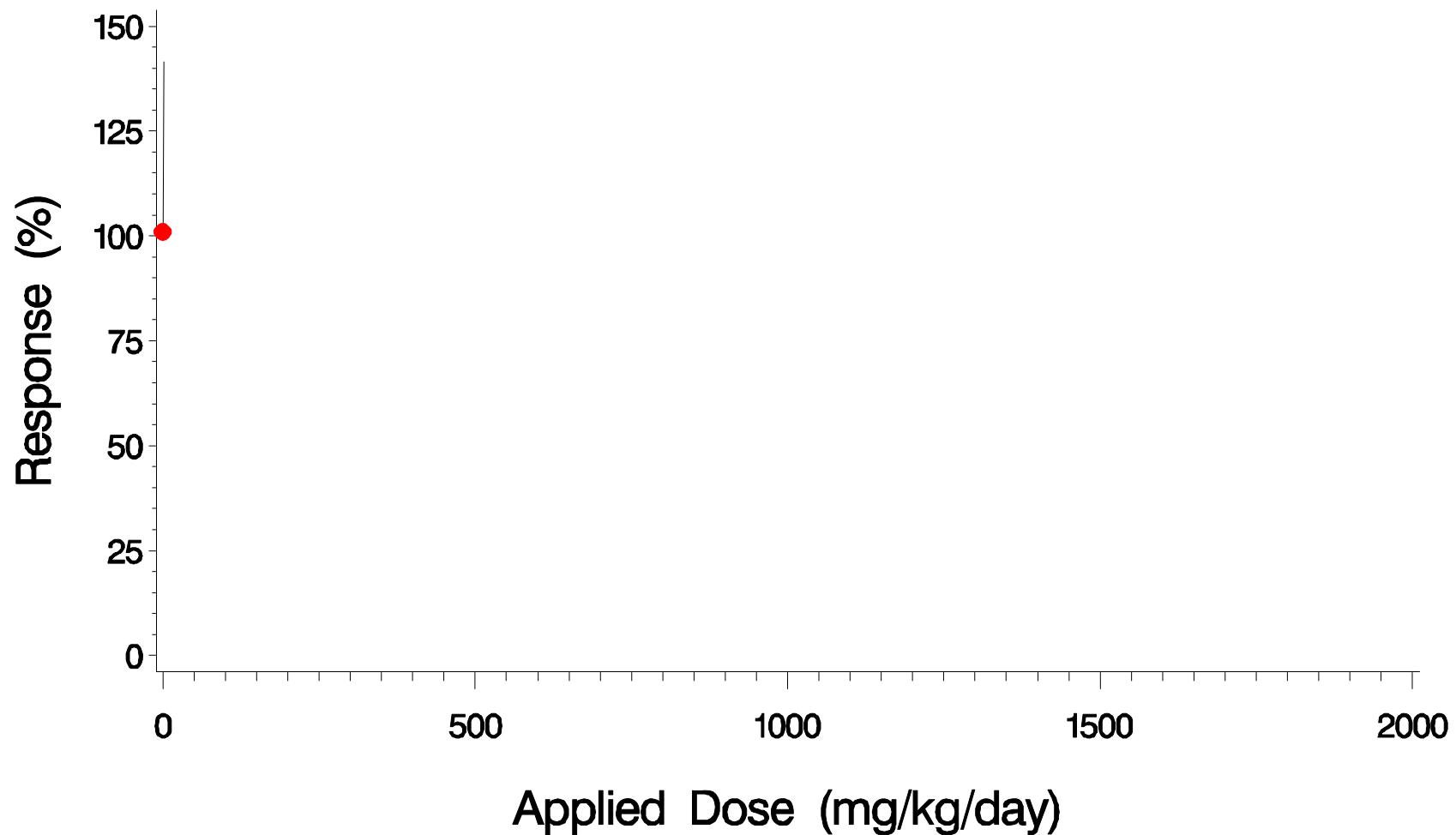
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 86193



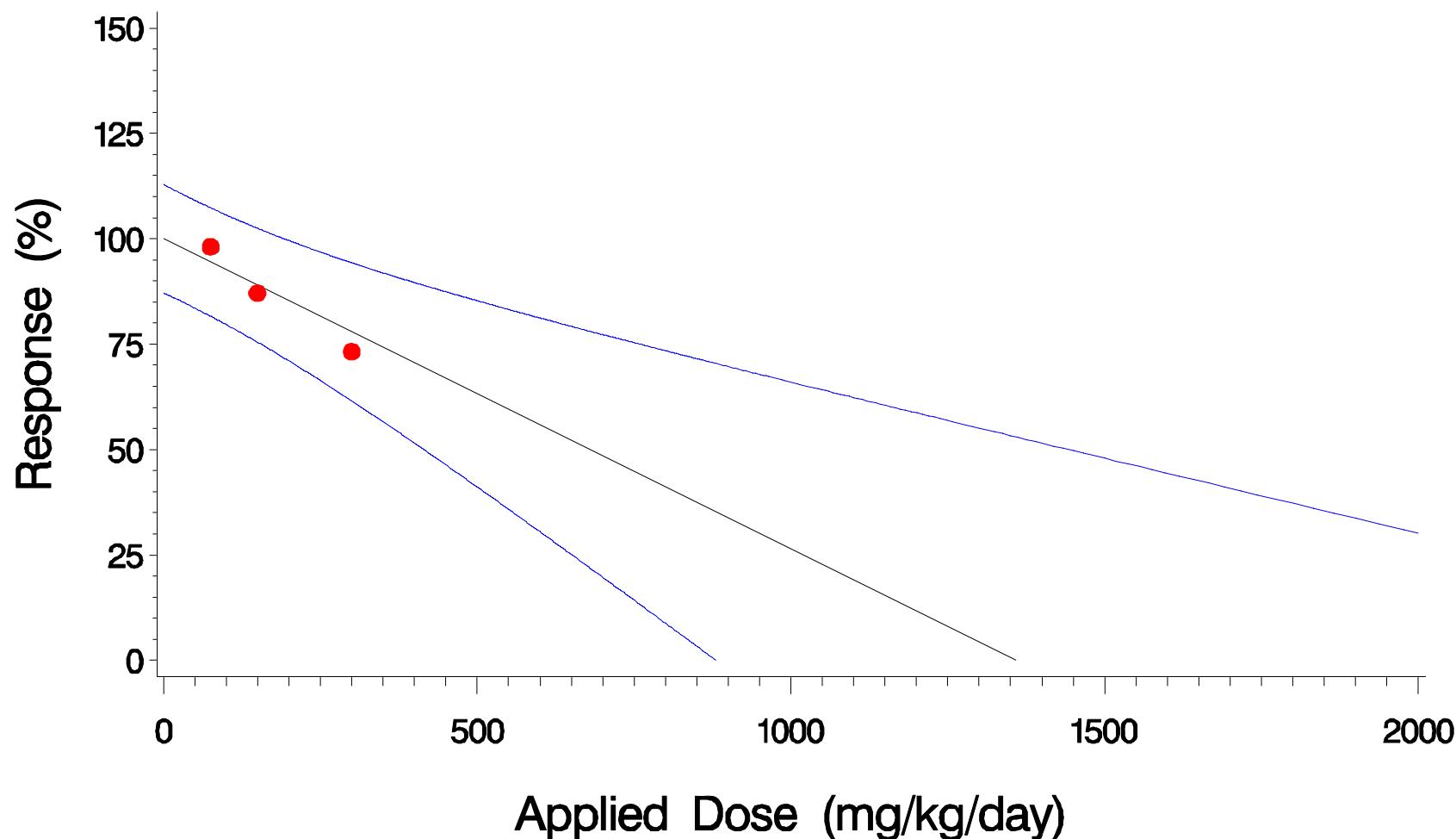
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = 86484



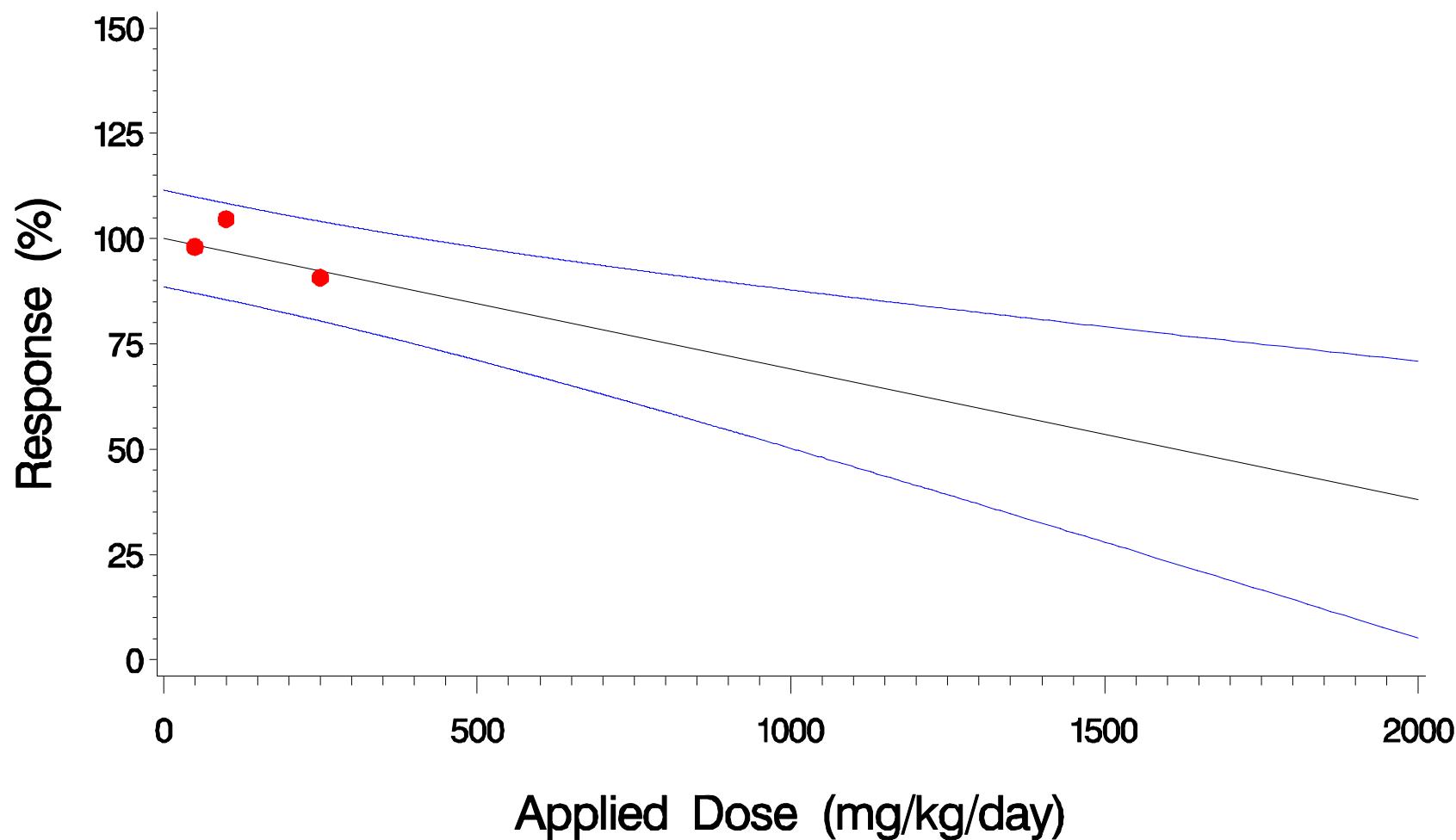
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = F - 179



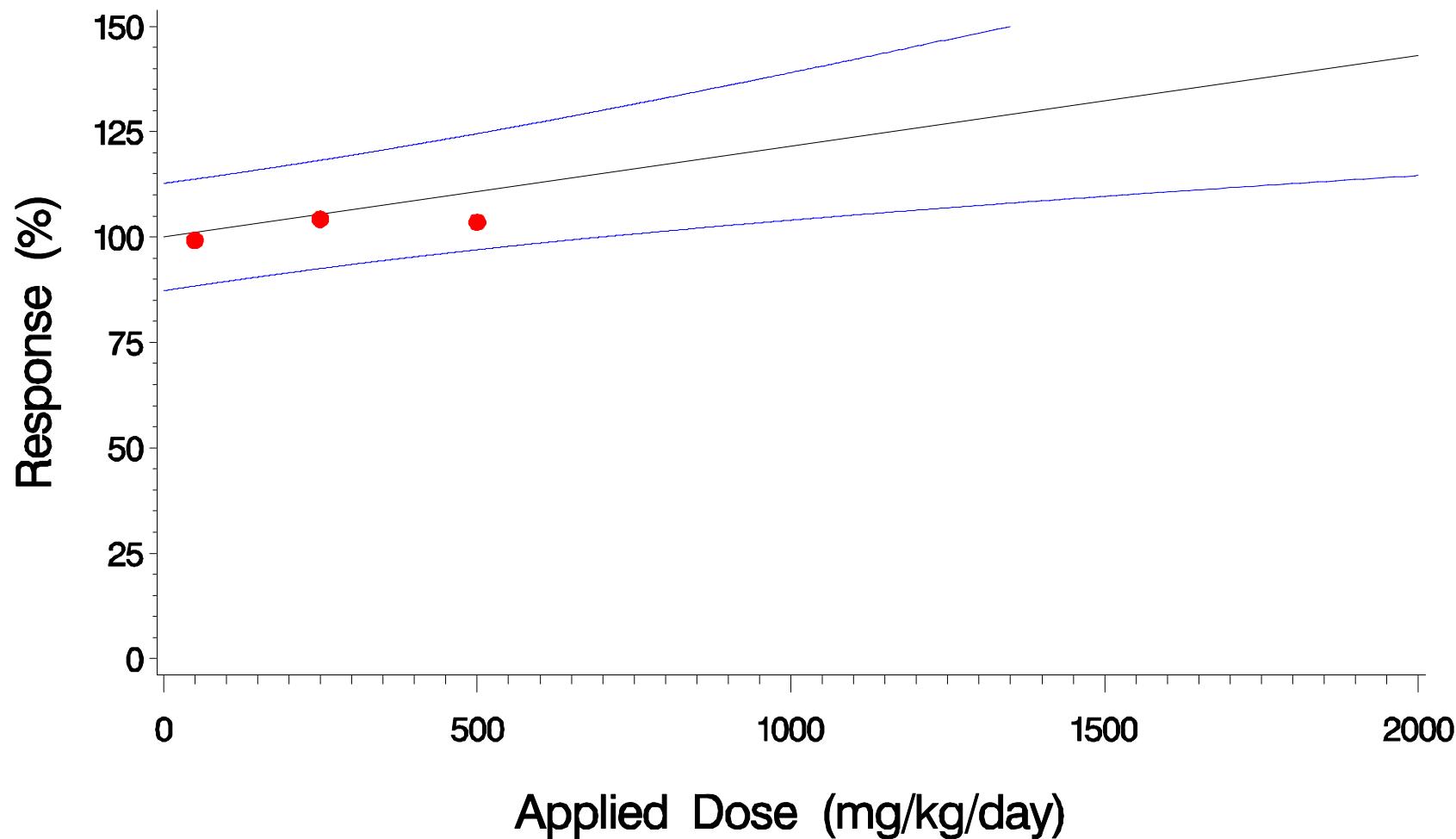
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = F - 196



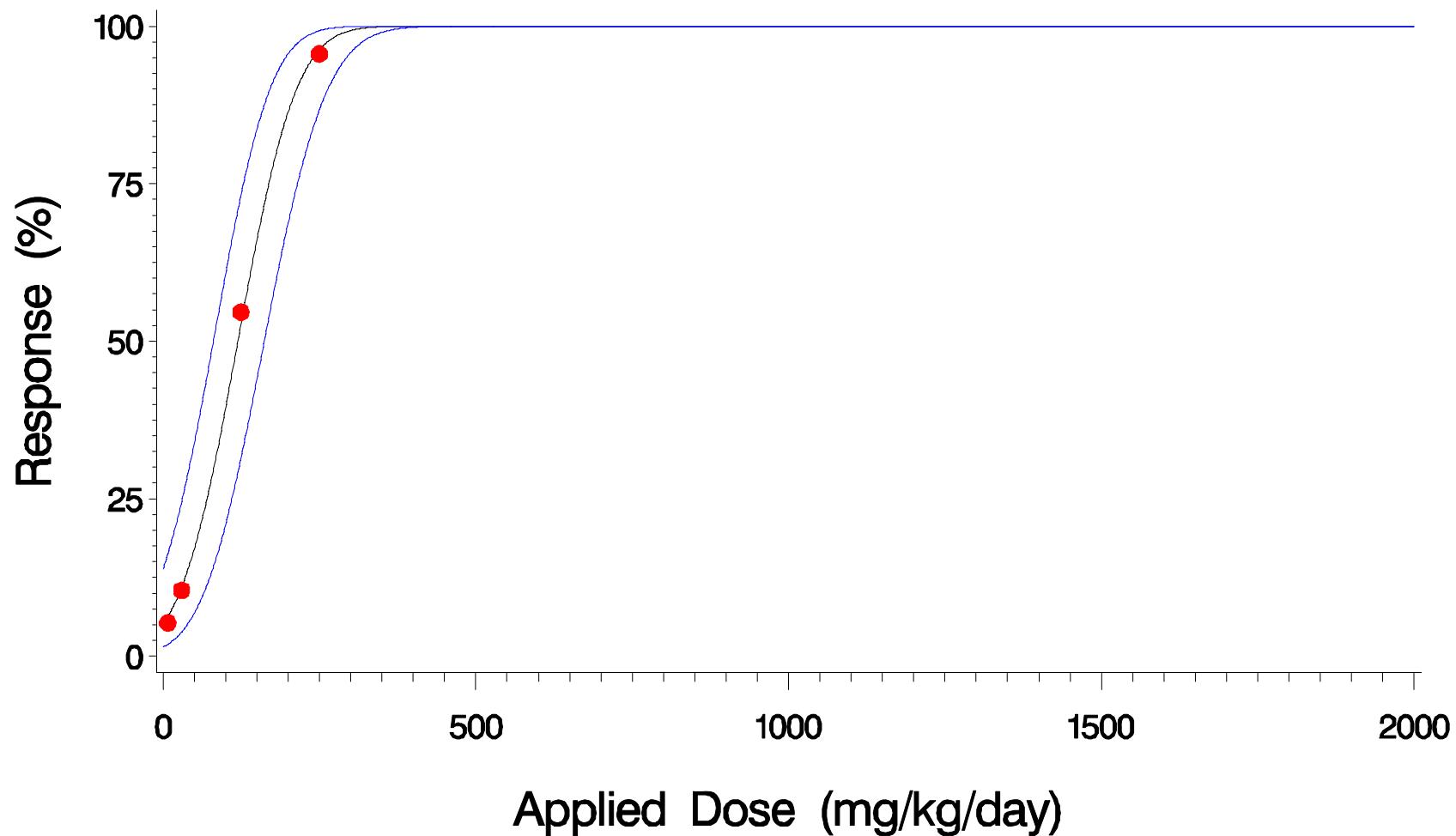
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = F - 197



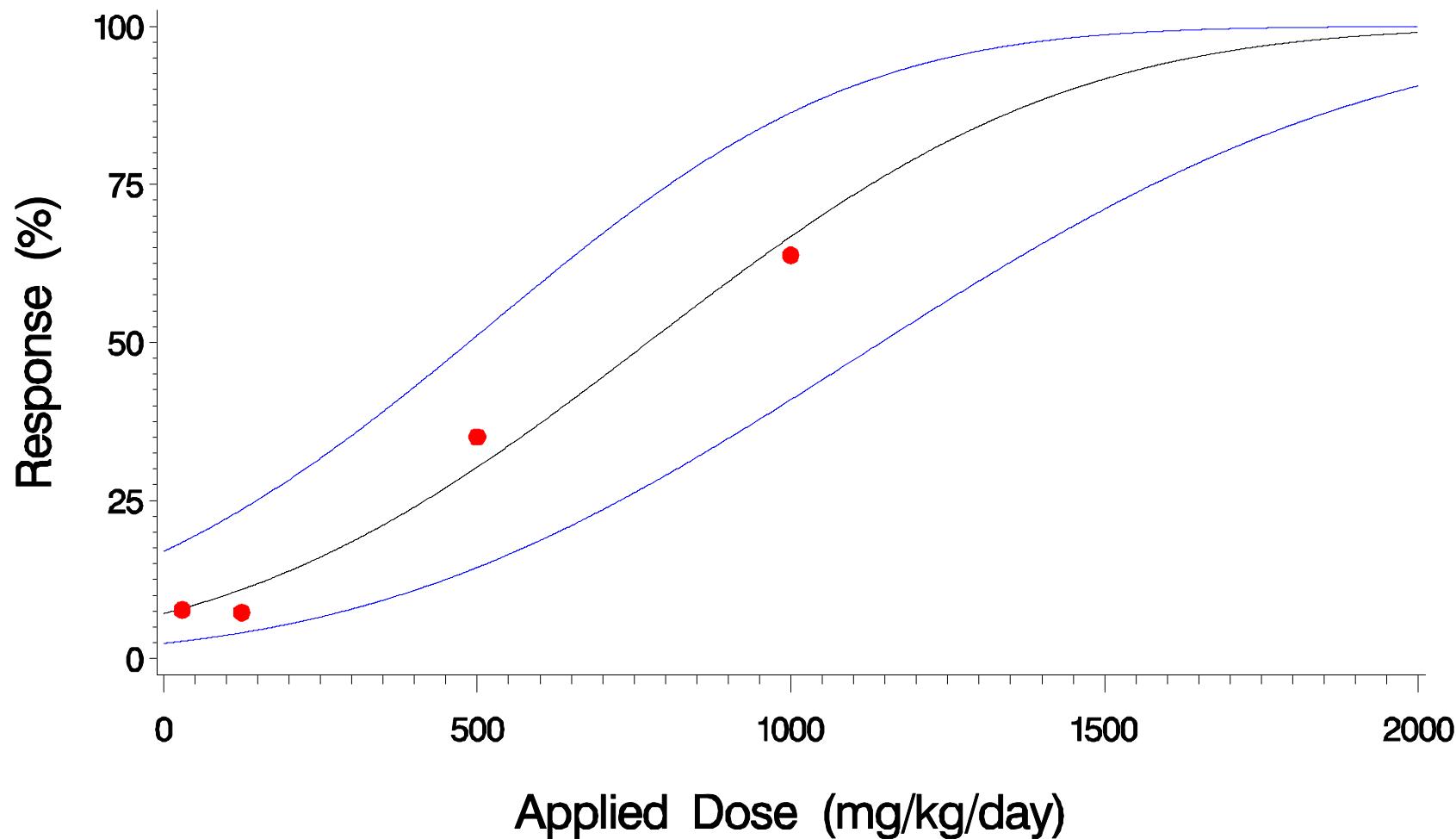
Heavy Fuel Oil
Pre-natal Live Fetuses
sample_no = F - 215



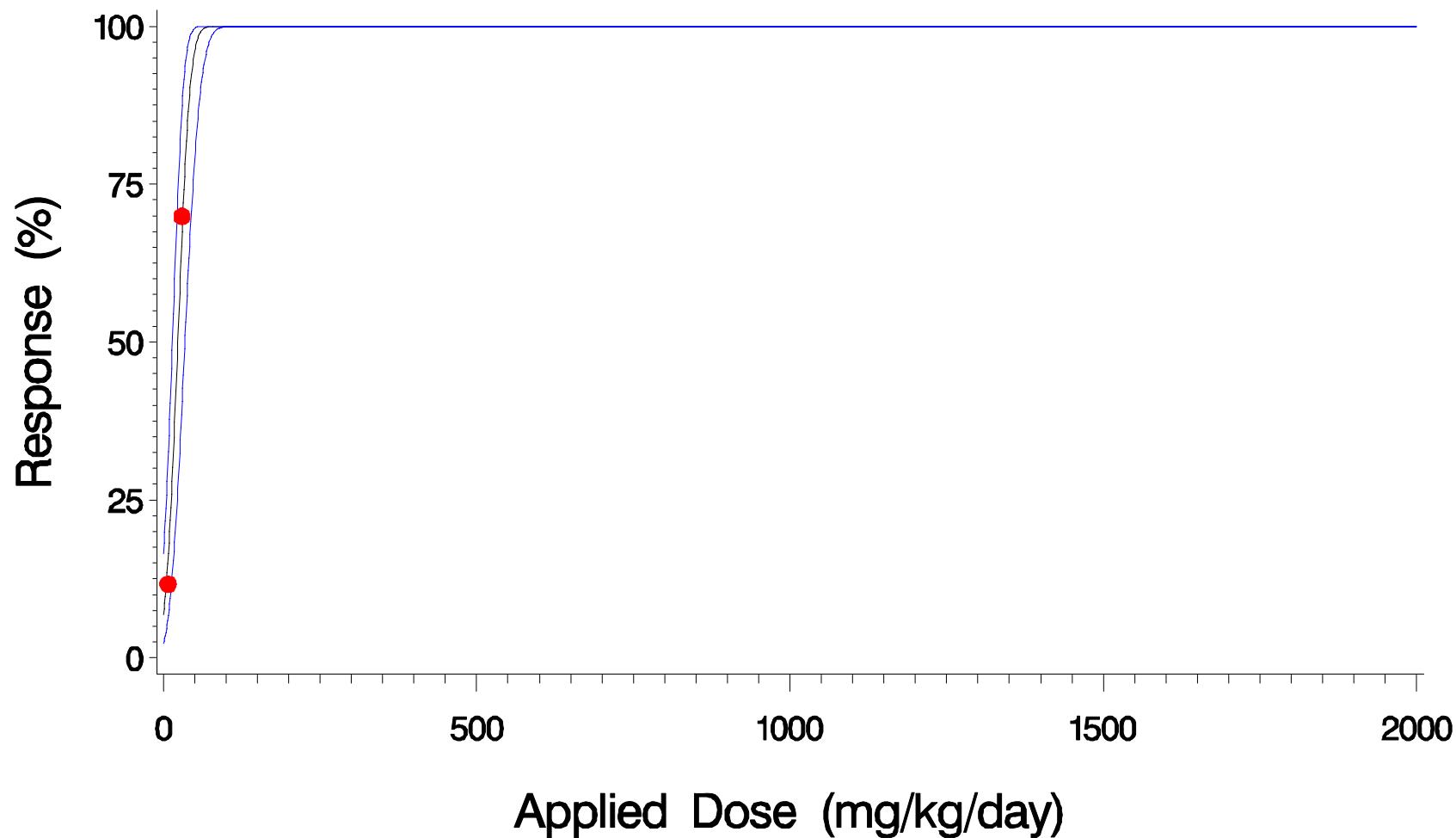
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 83366



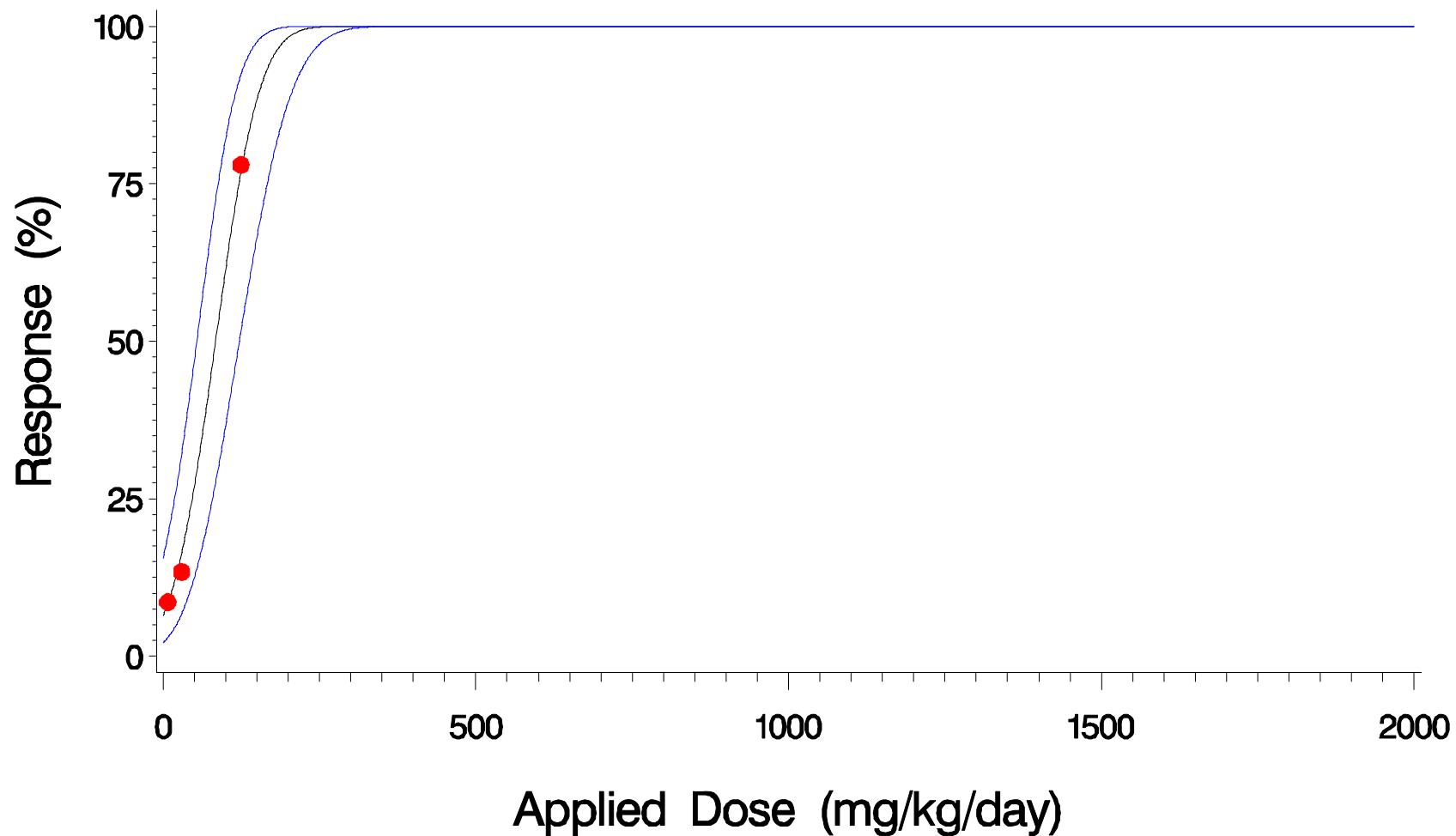
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 85244



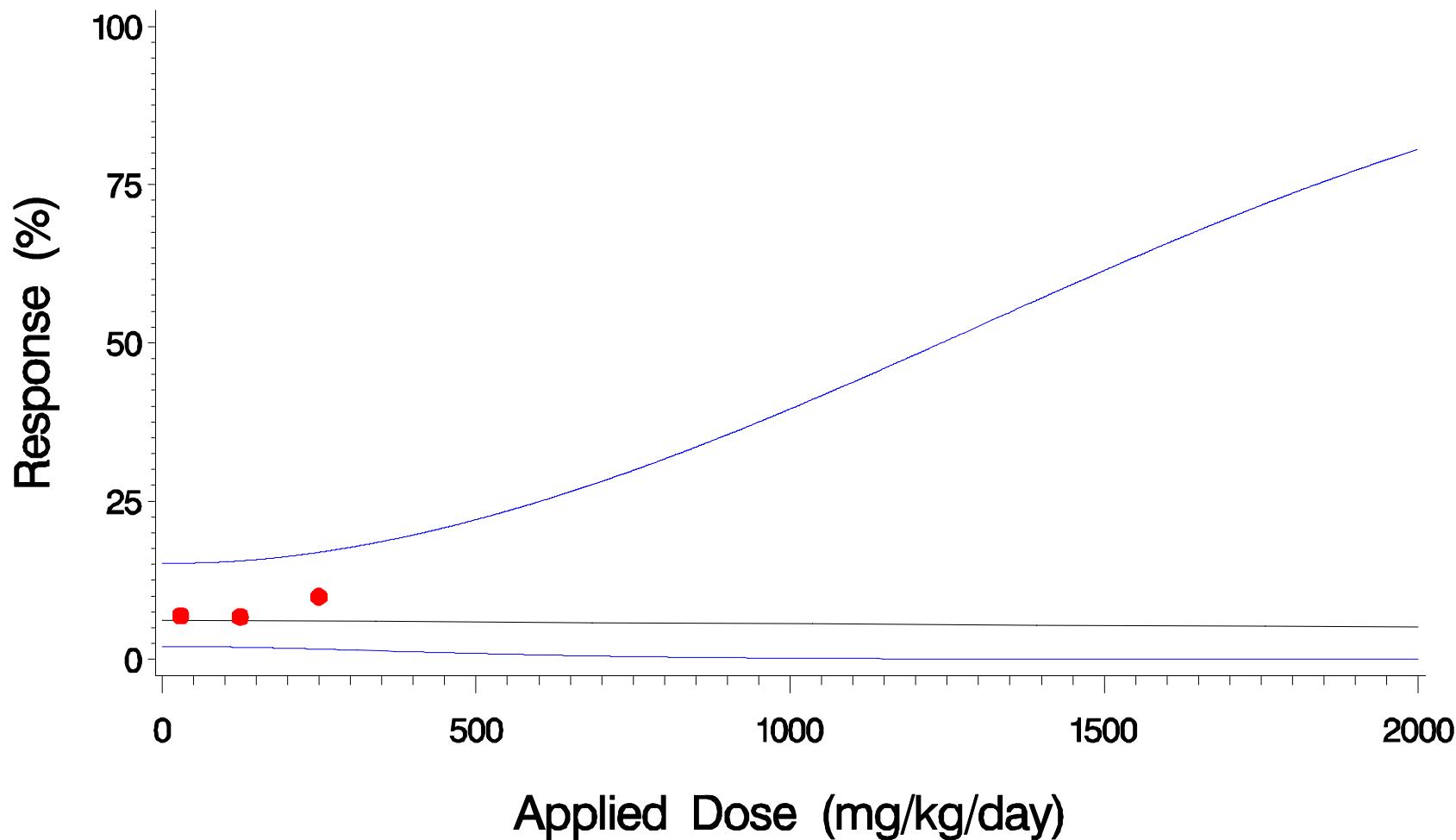
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 86001



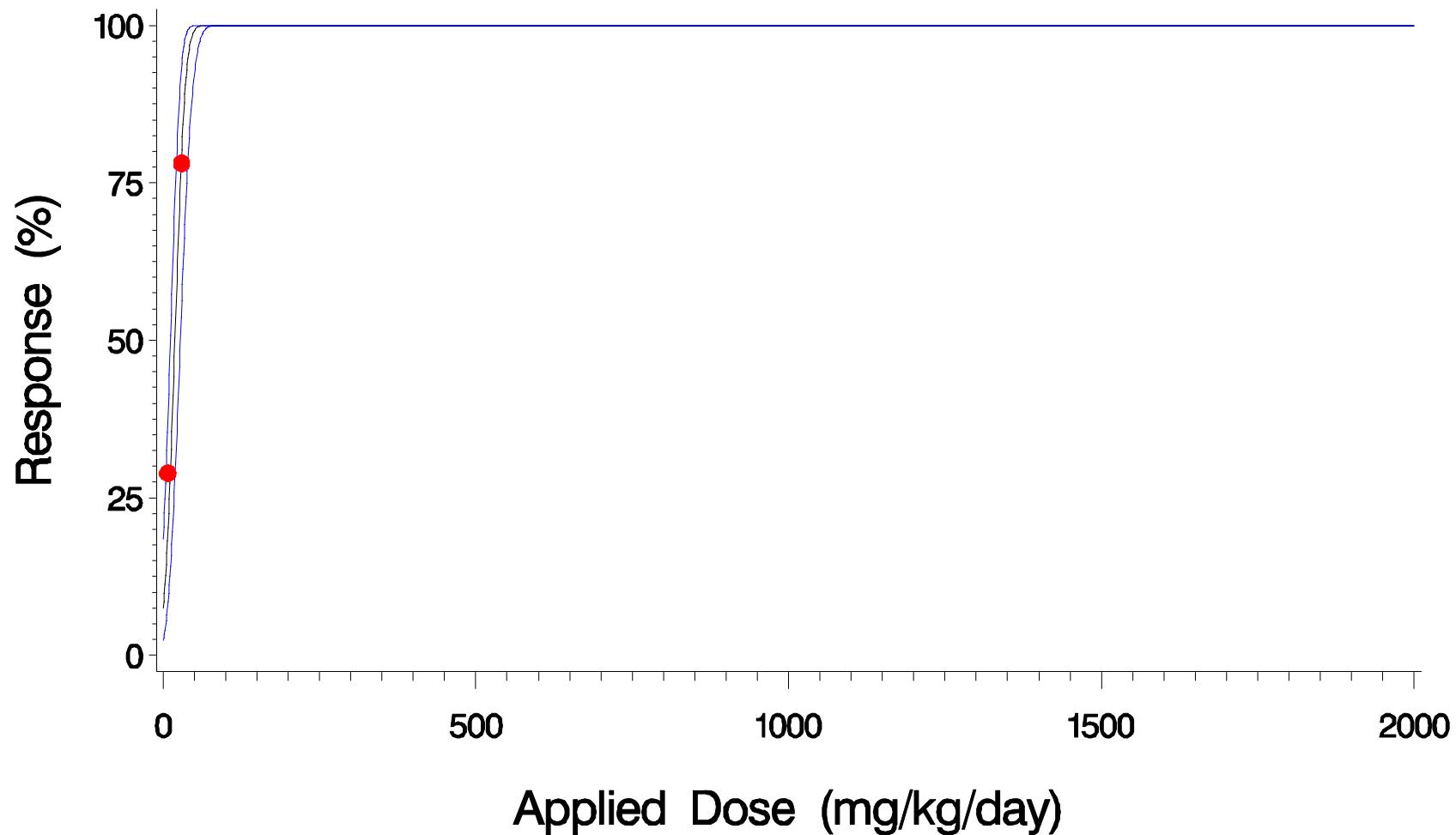
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 86181



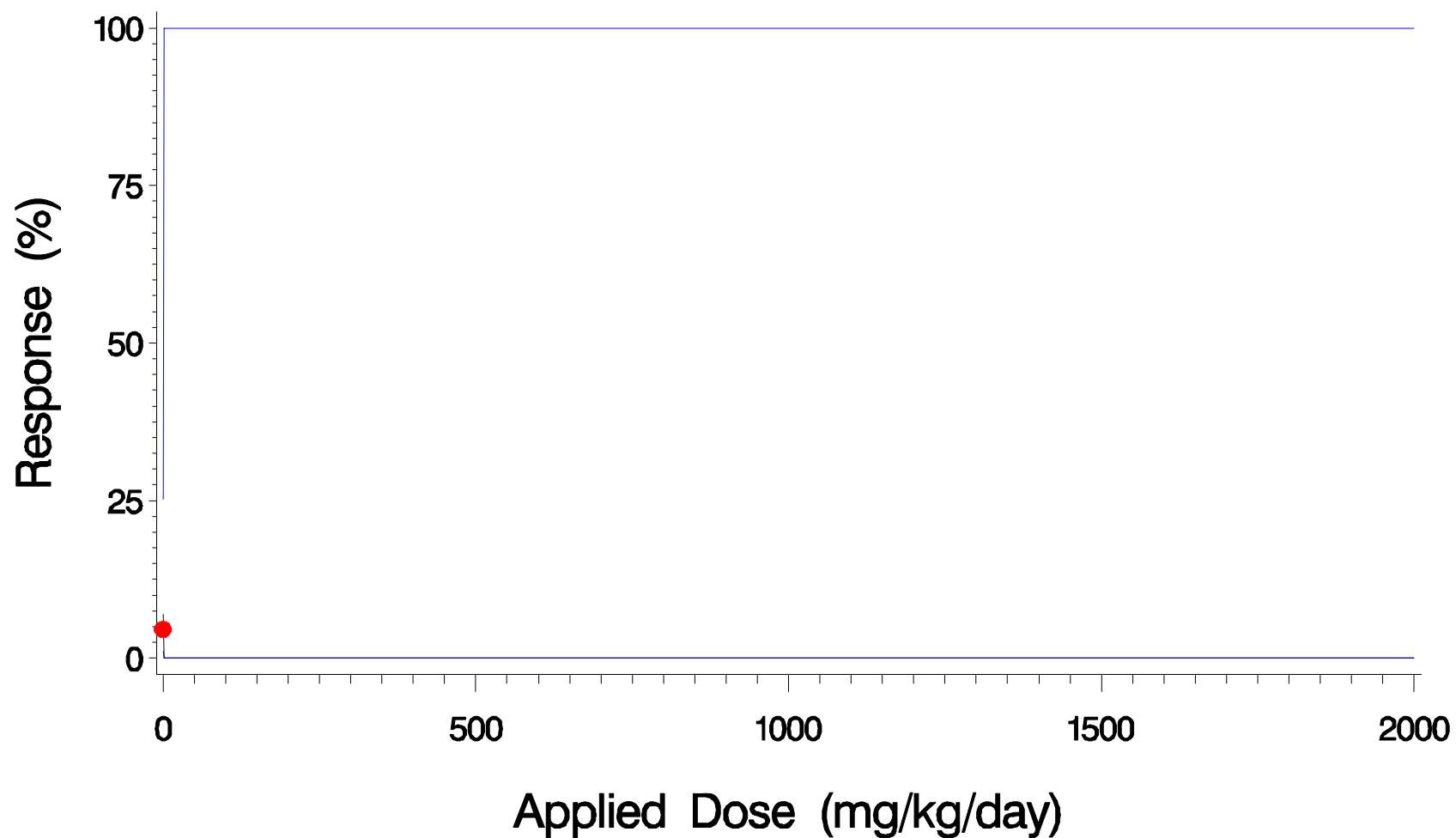
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 86193



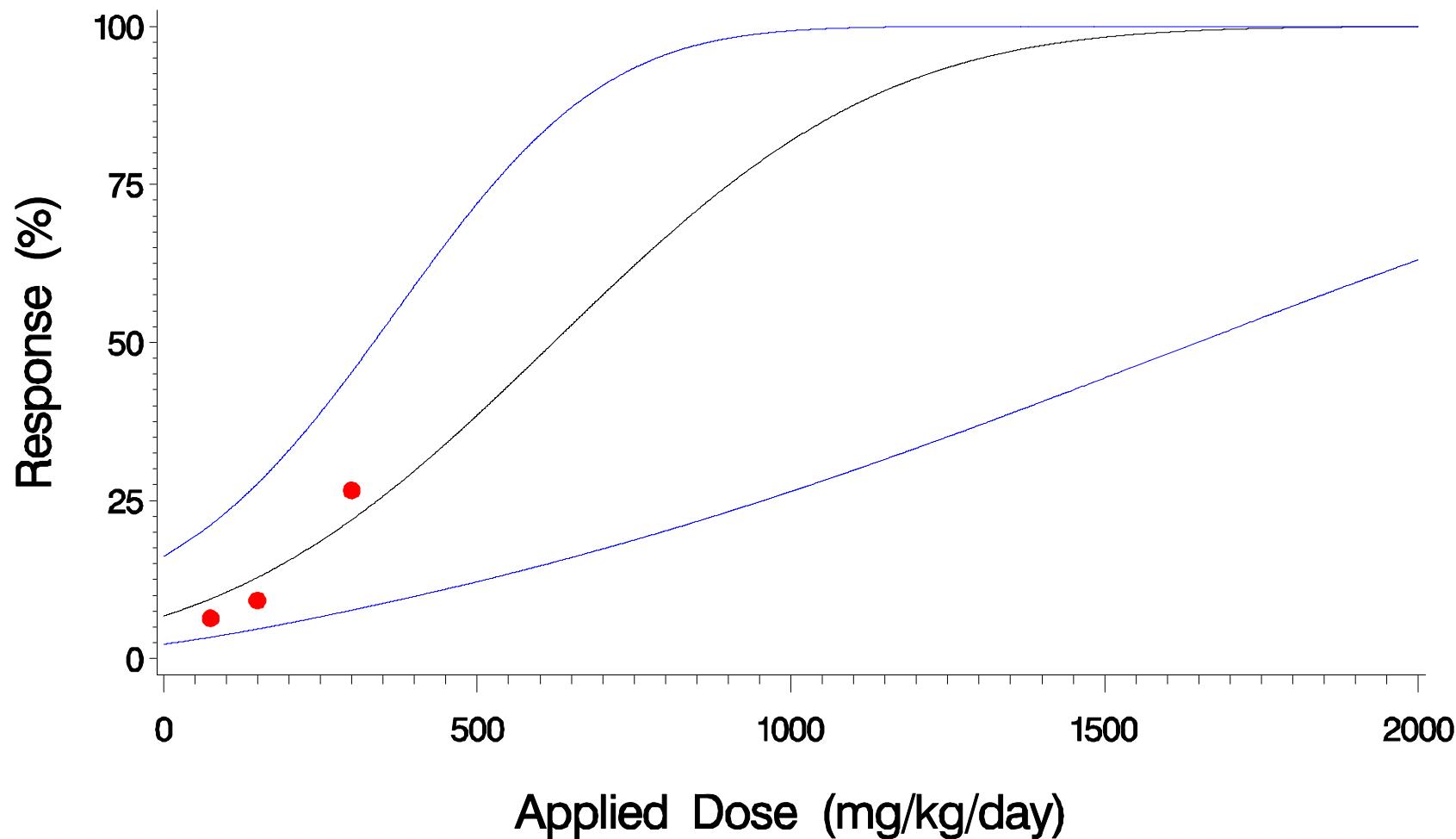
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = 86484



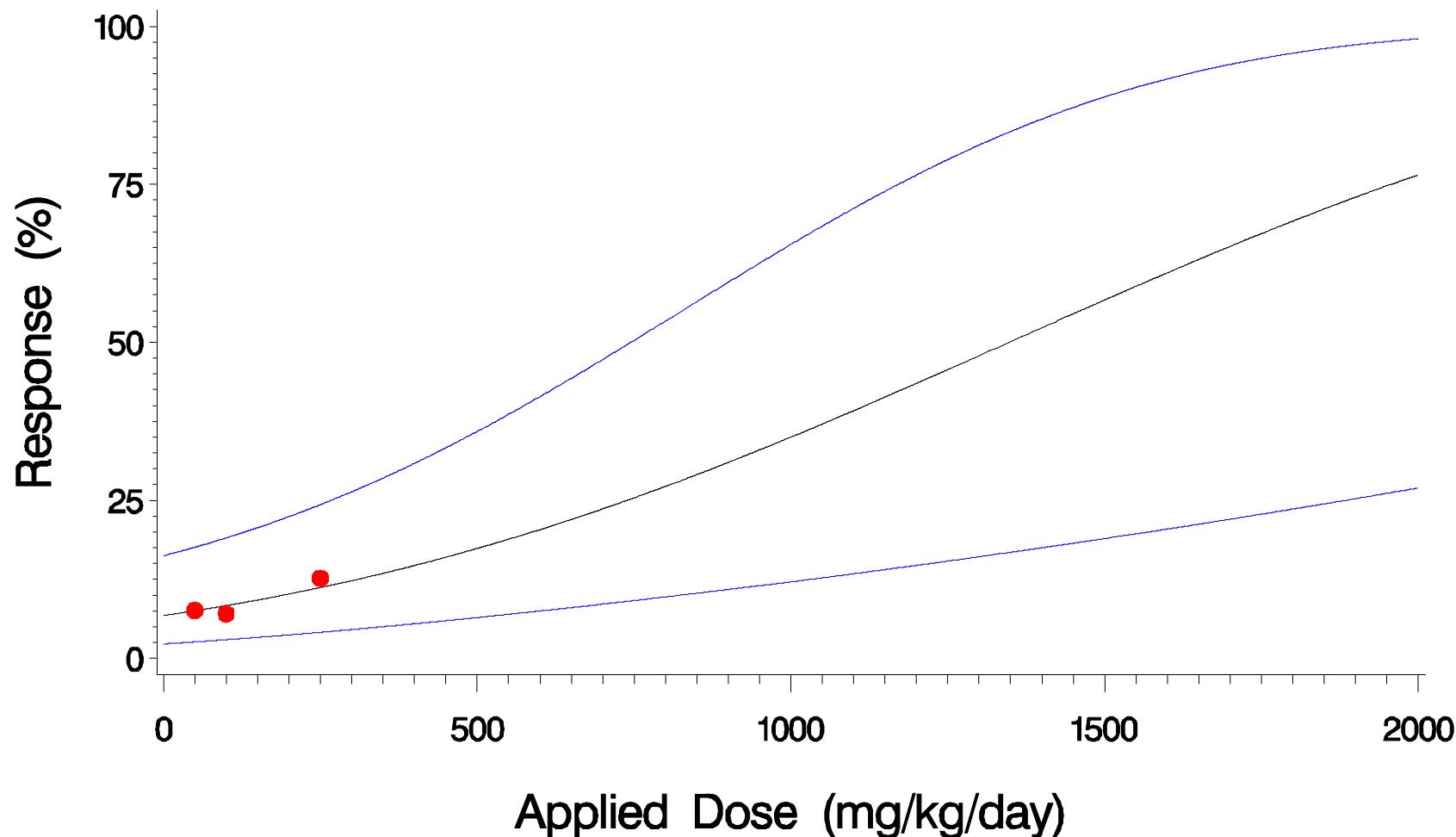
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = F - 179



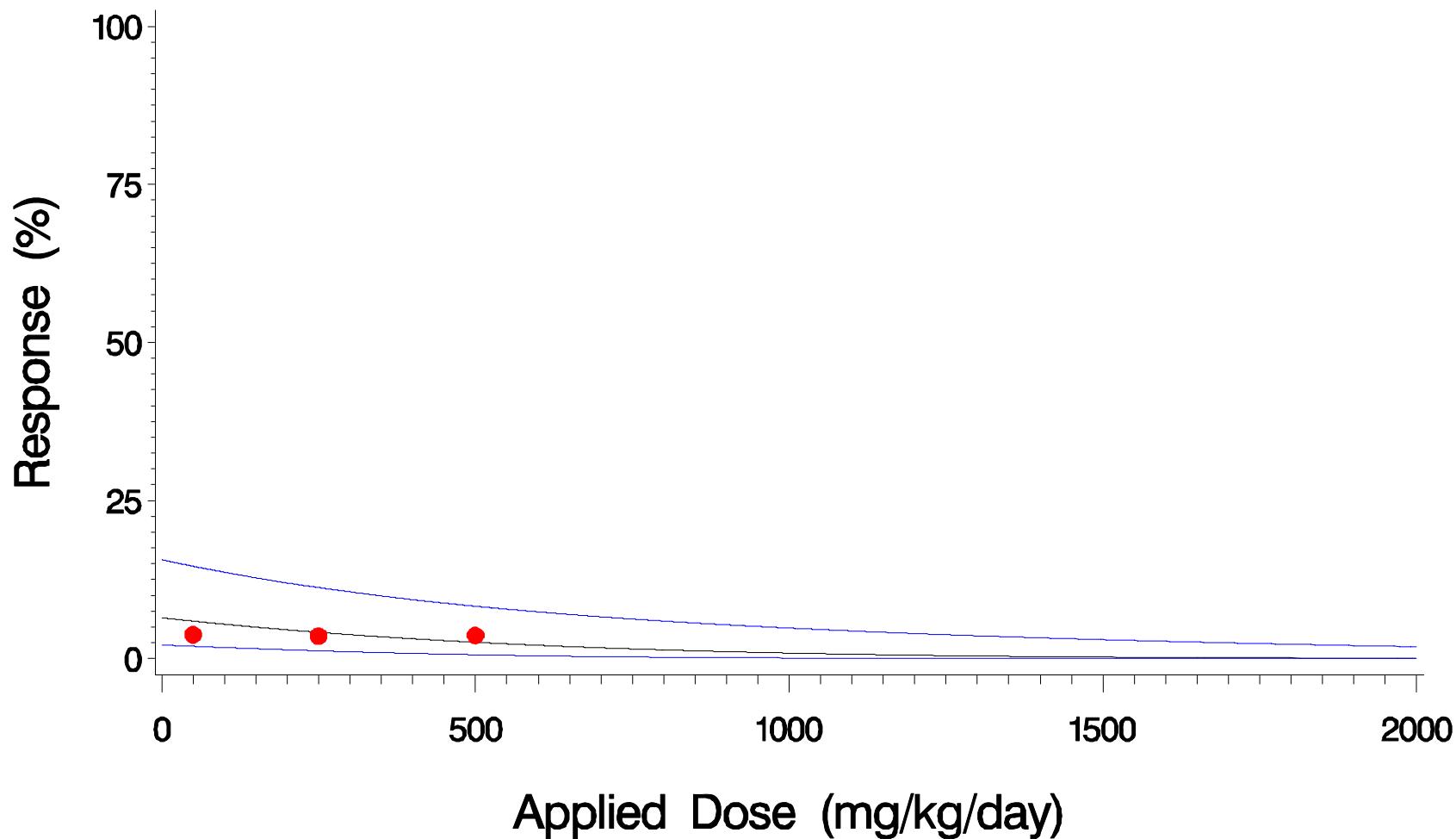
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = F - 196



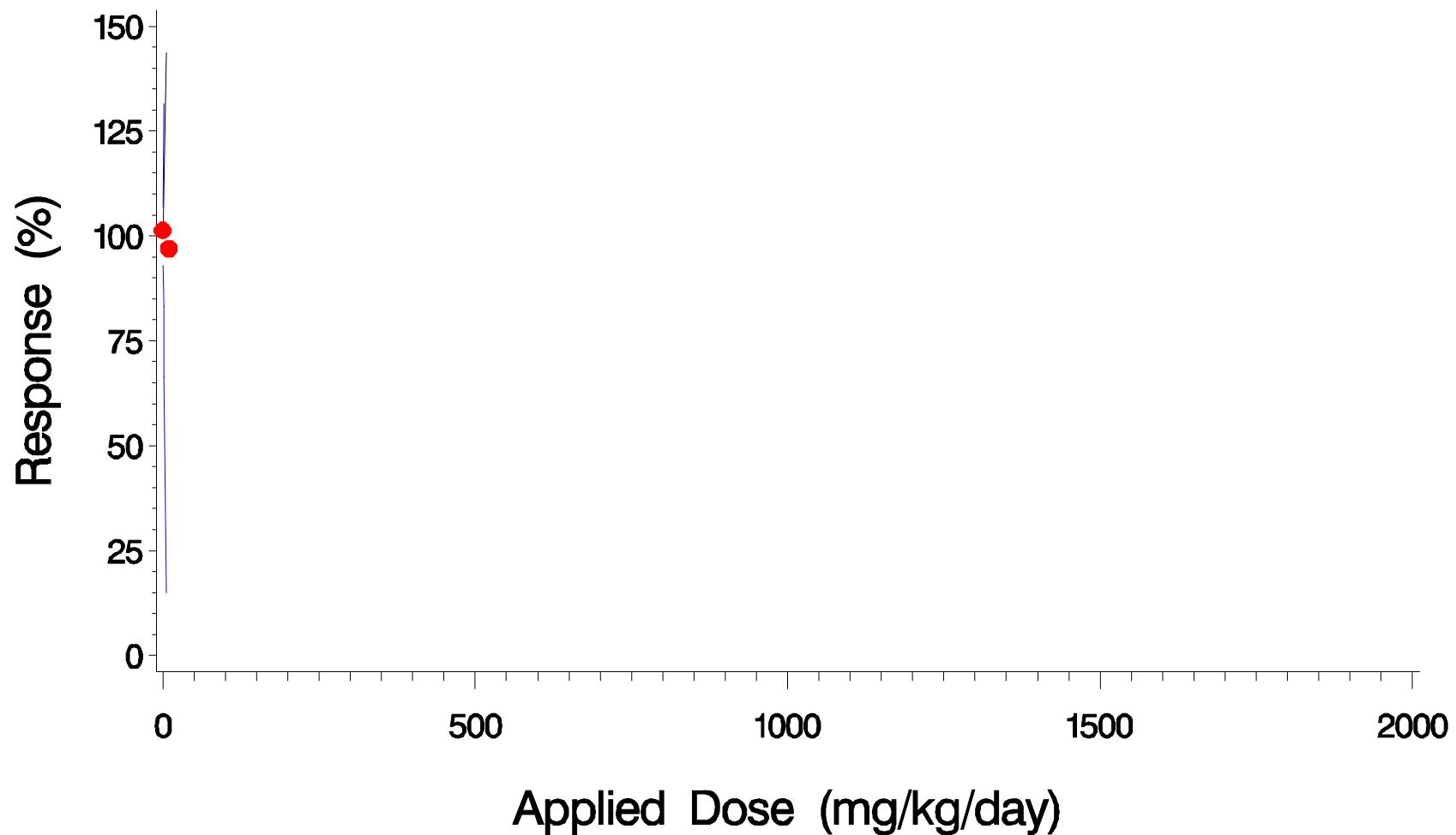
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = F - 197



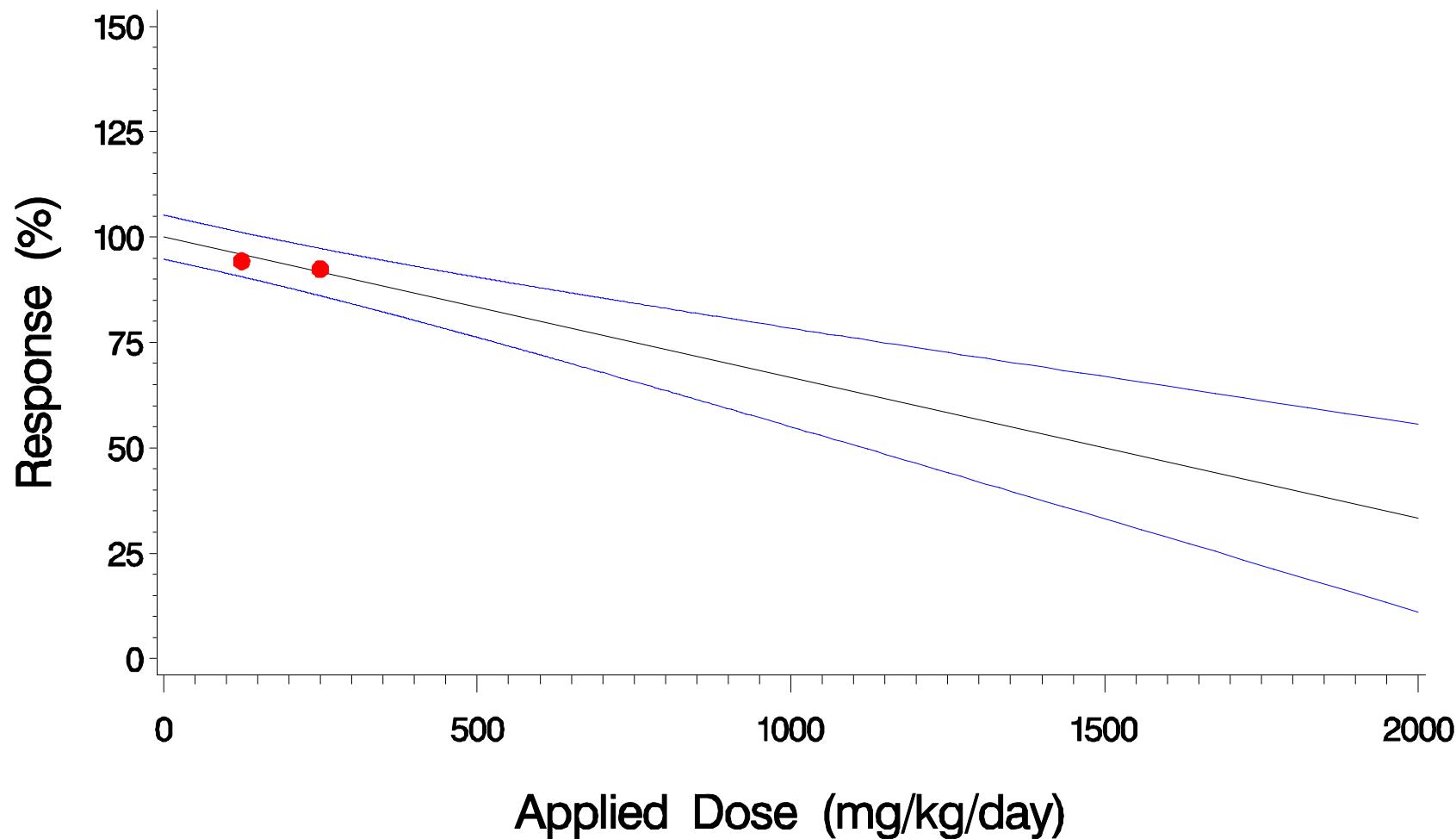
Heavy Fuel Oil
Pre-natal Percent Resorptions
sample_no = F - 215



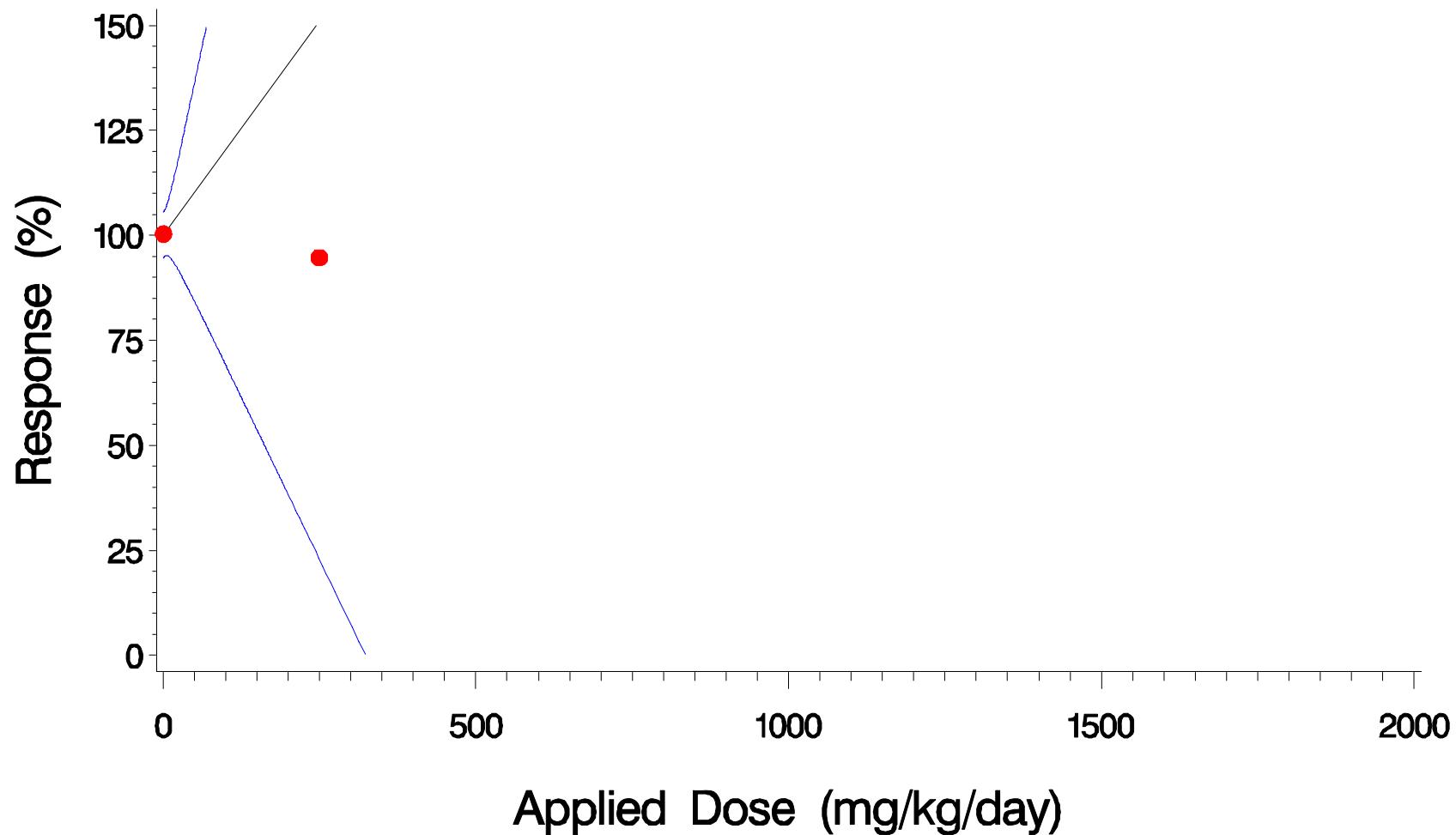
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 179



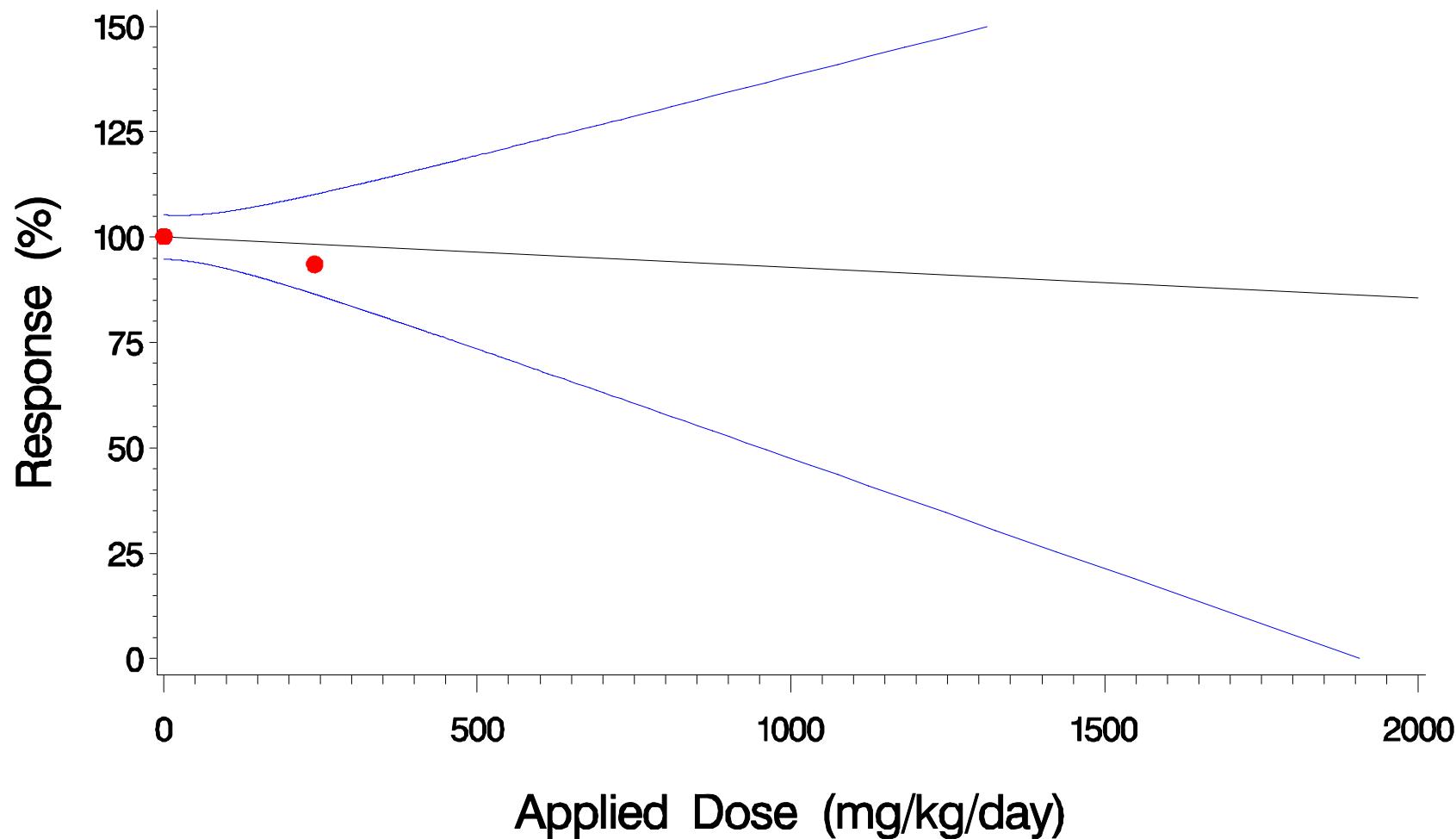
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 194



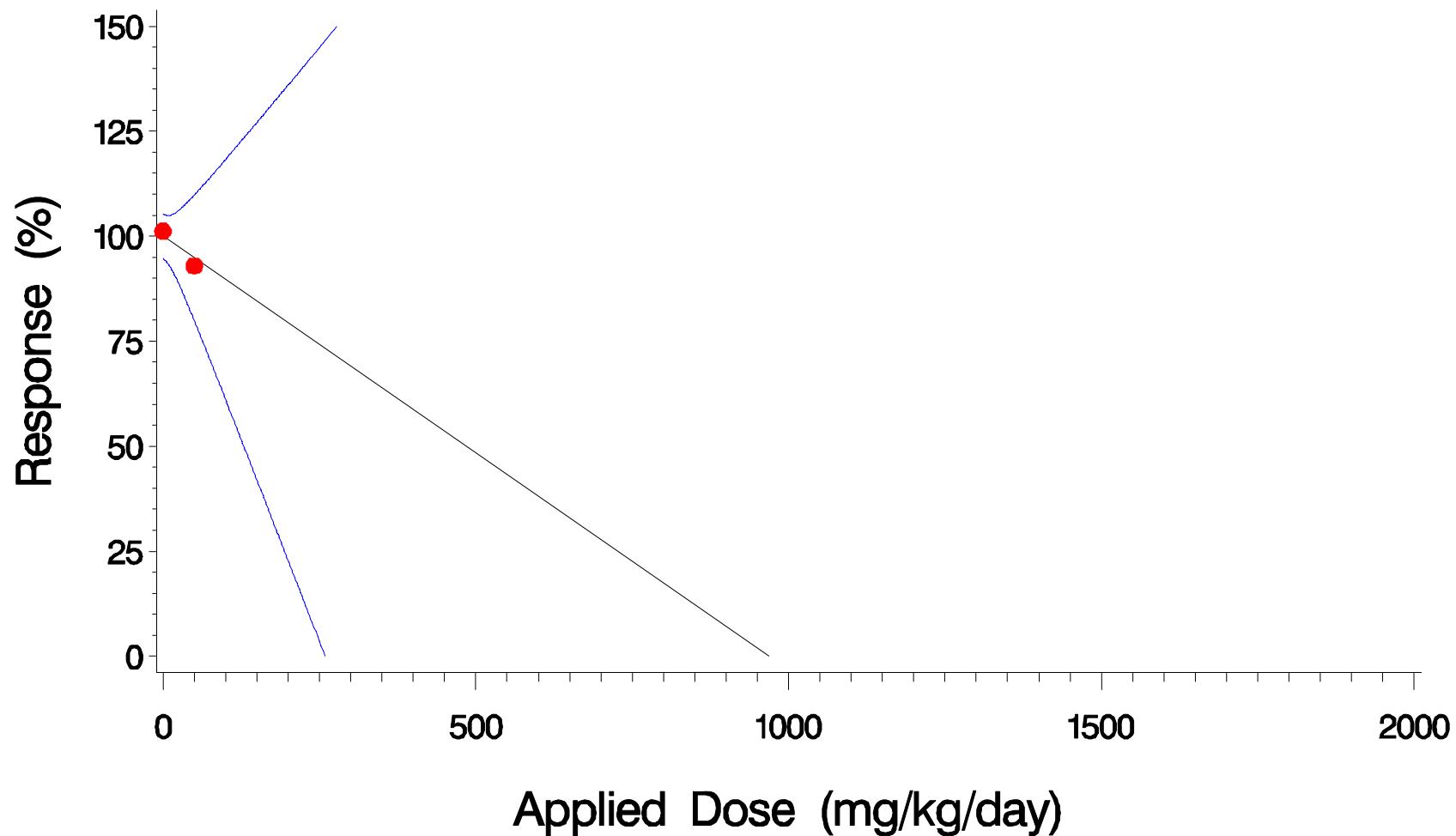
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 196



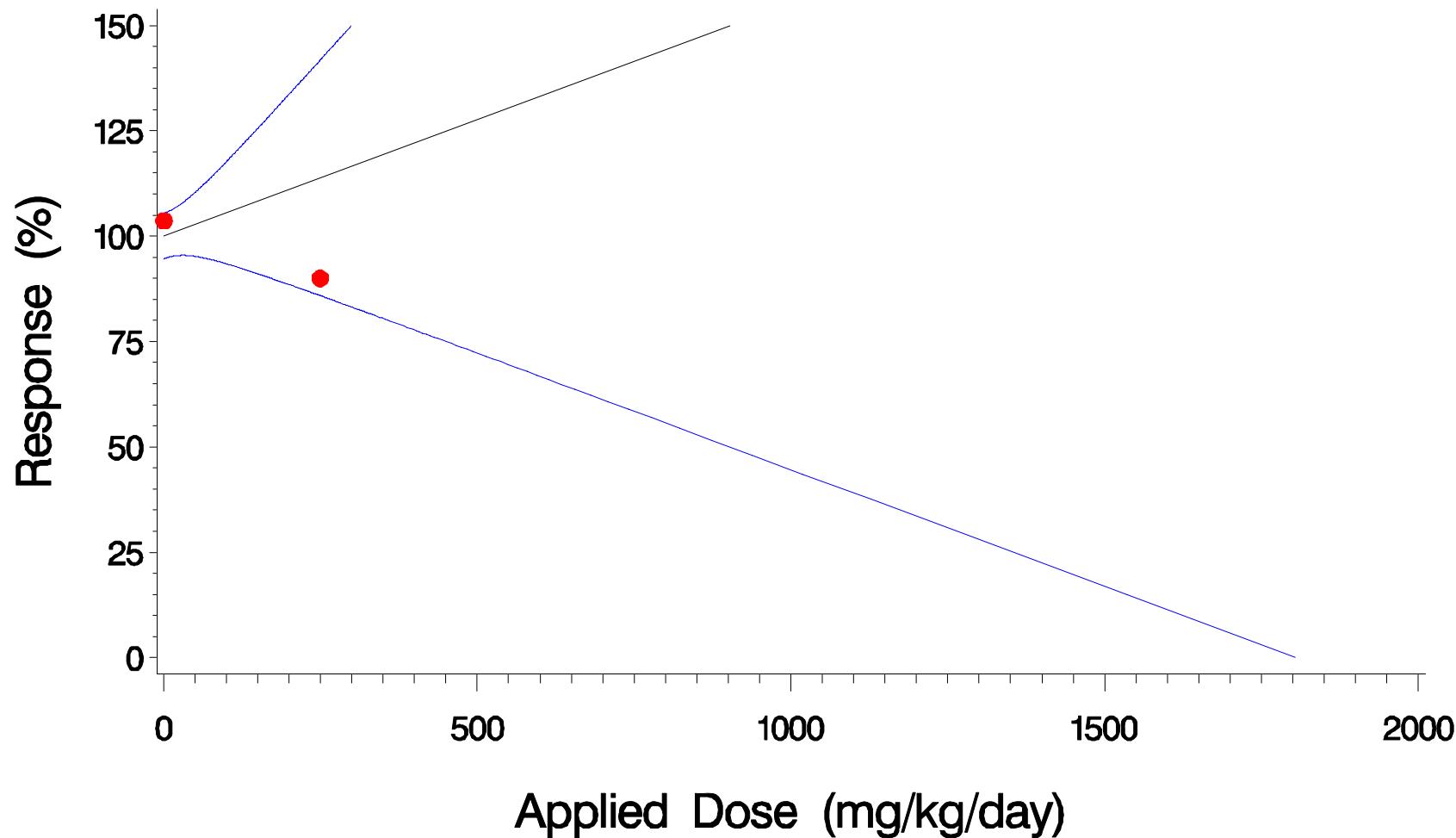
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 197



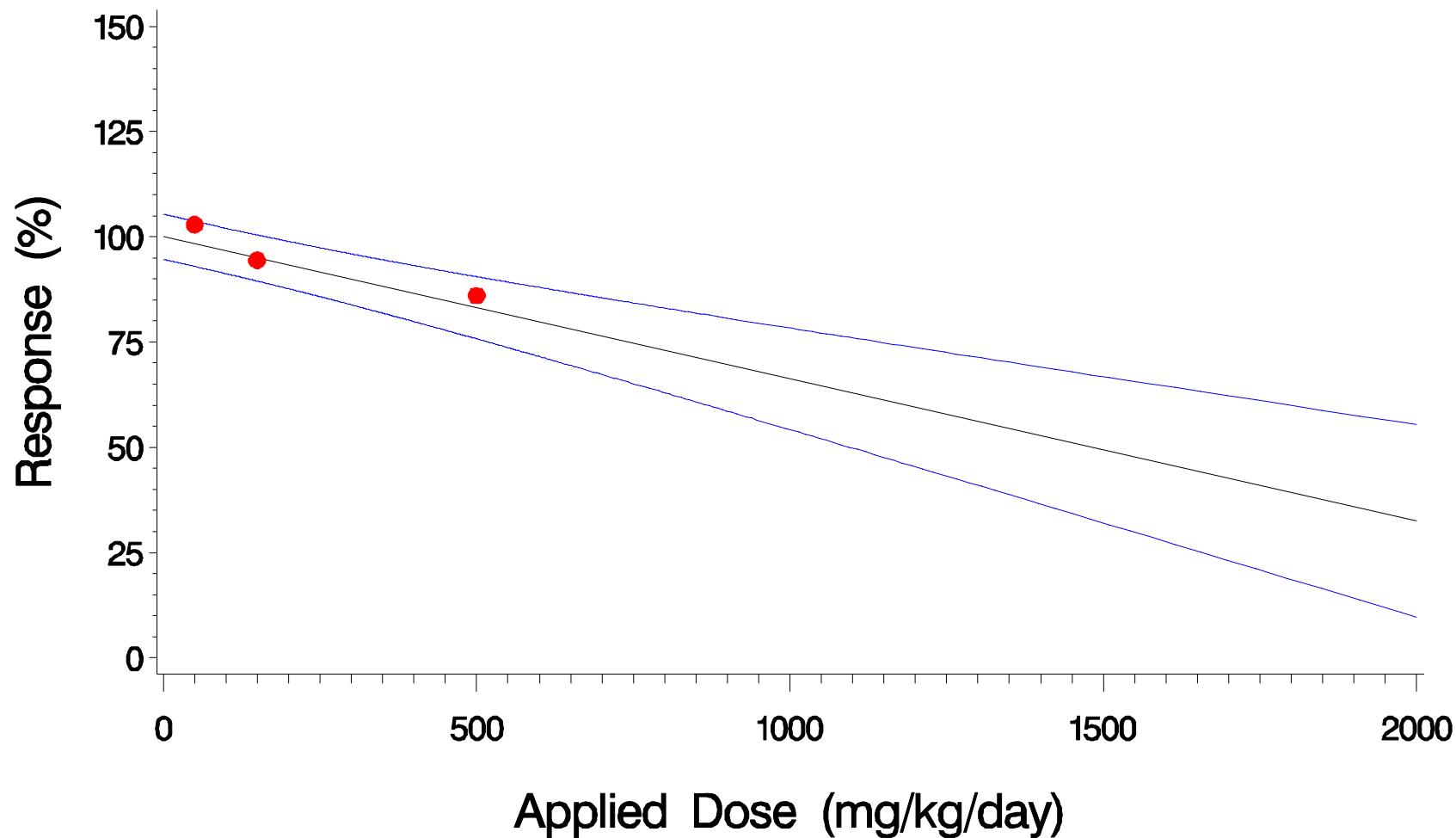
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 200



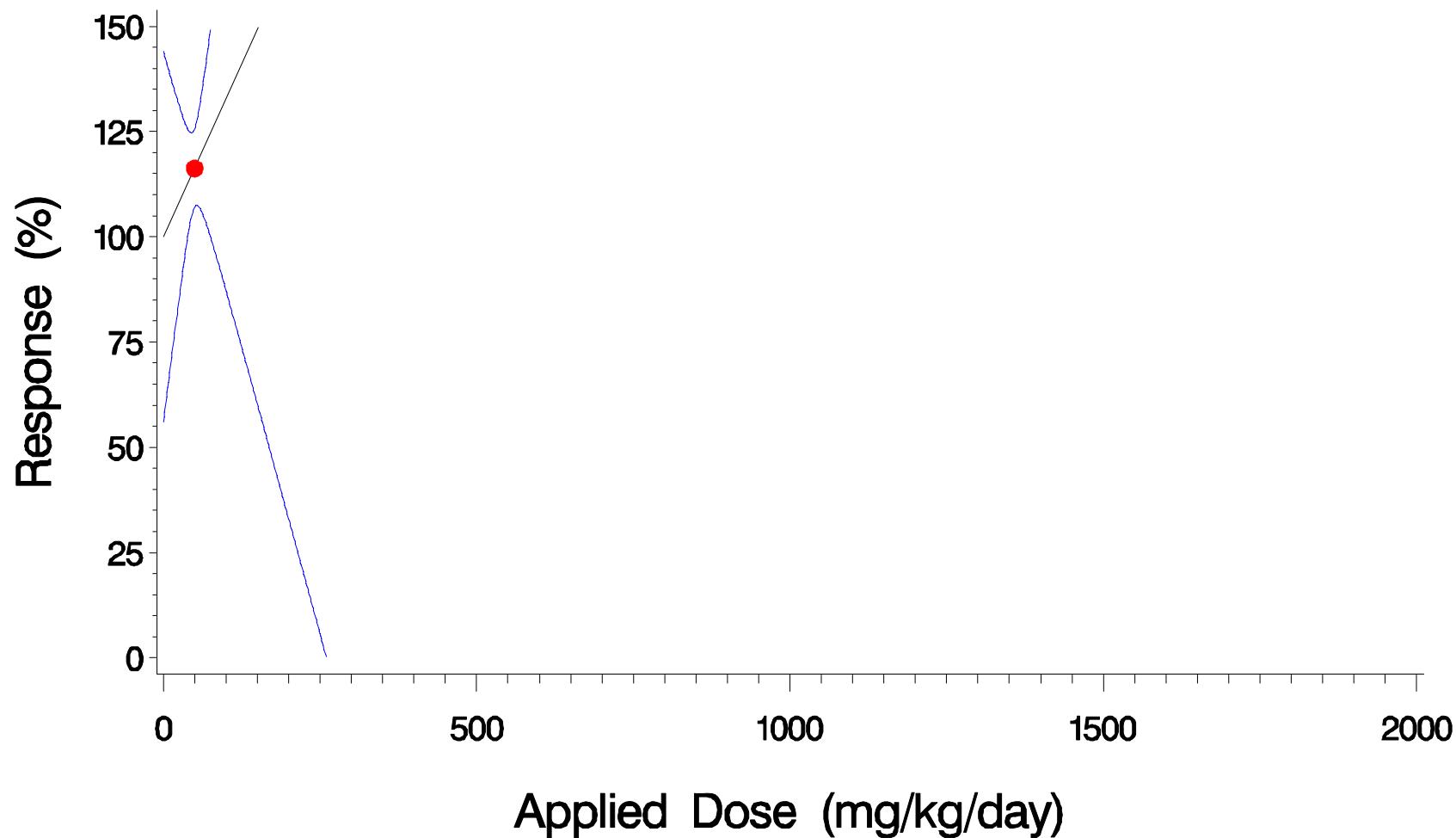
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 201



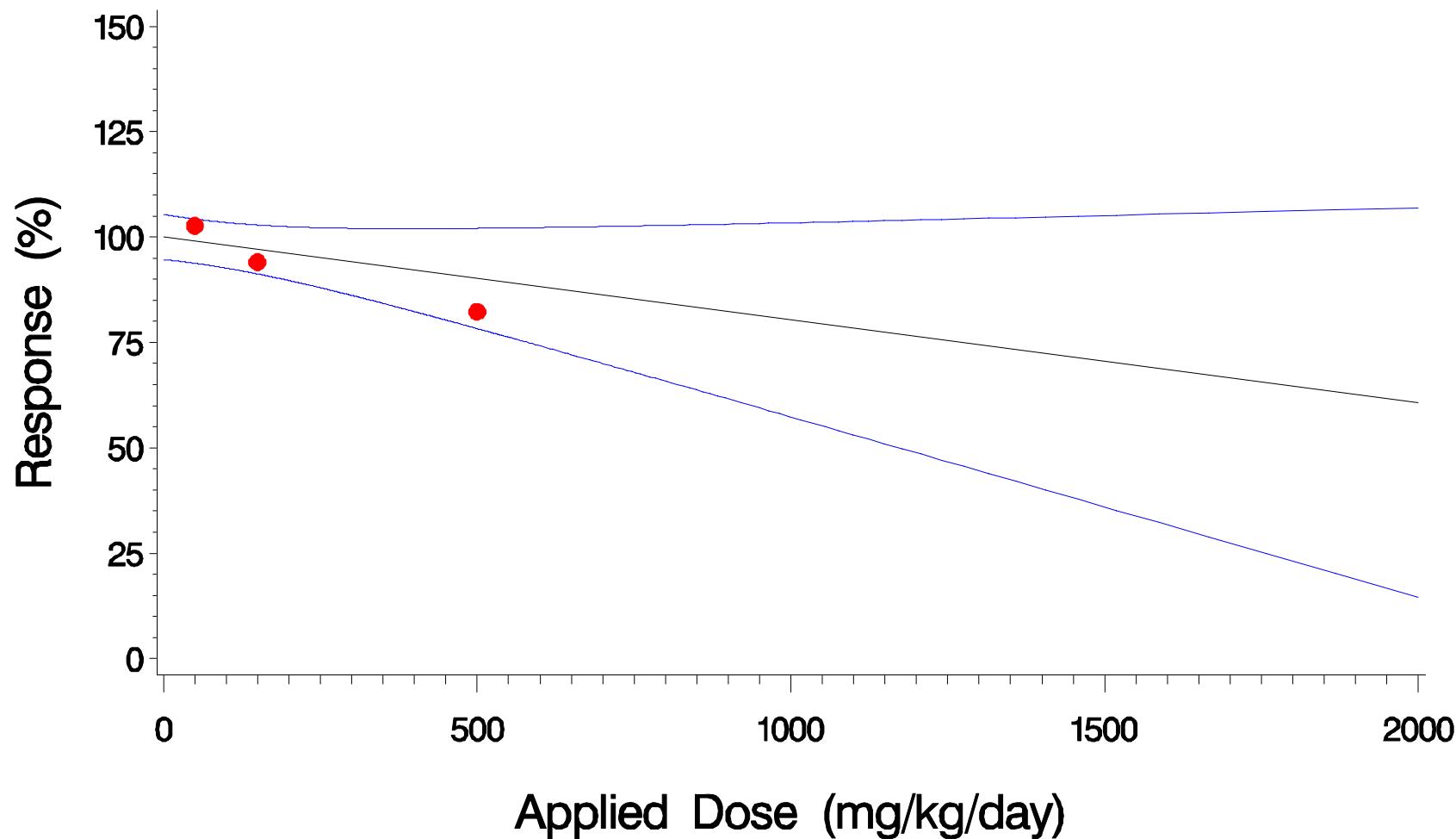
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 215



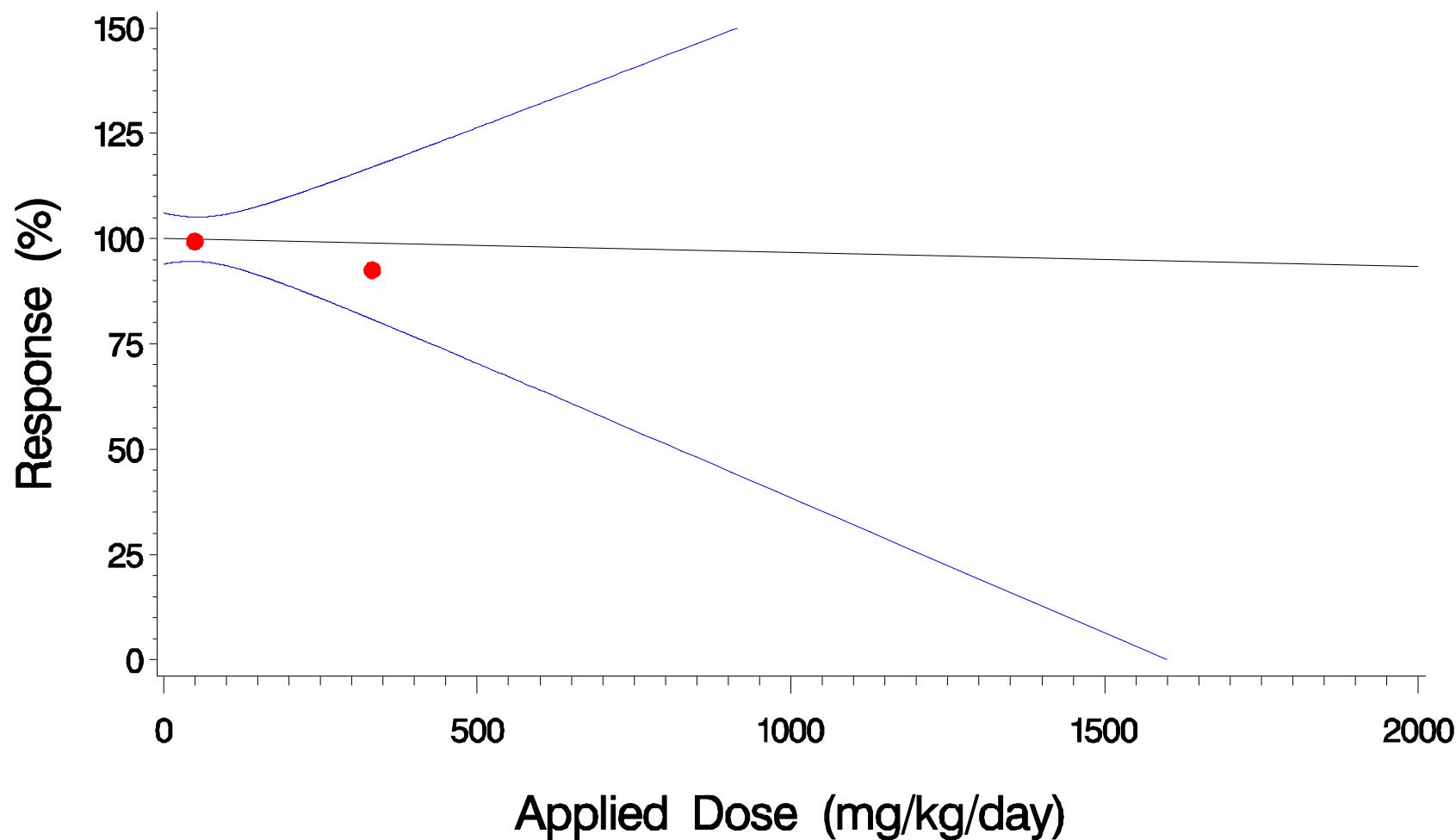
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 222



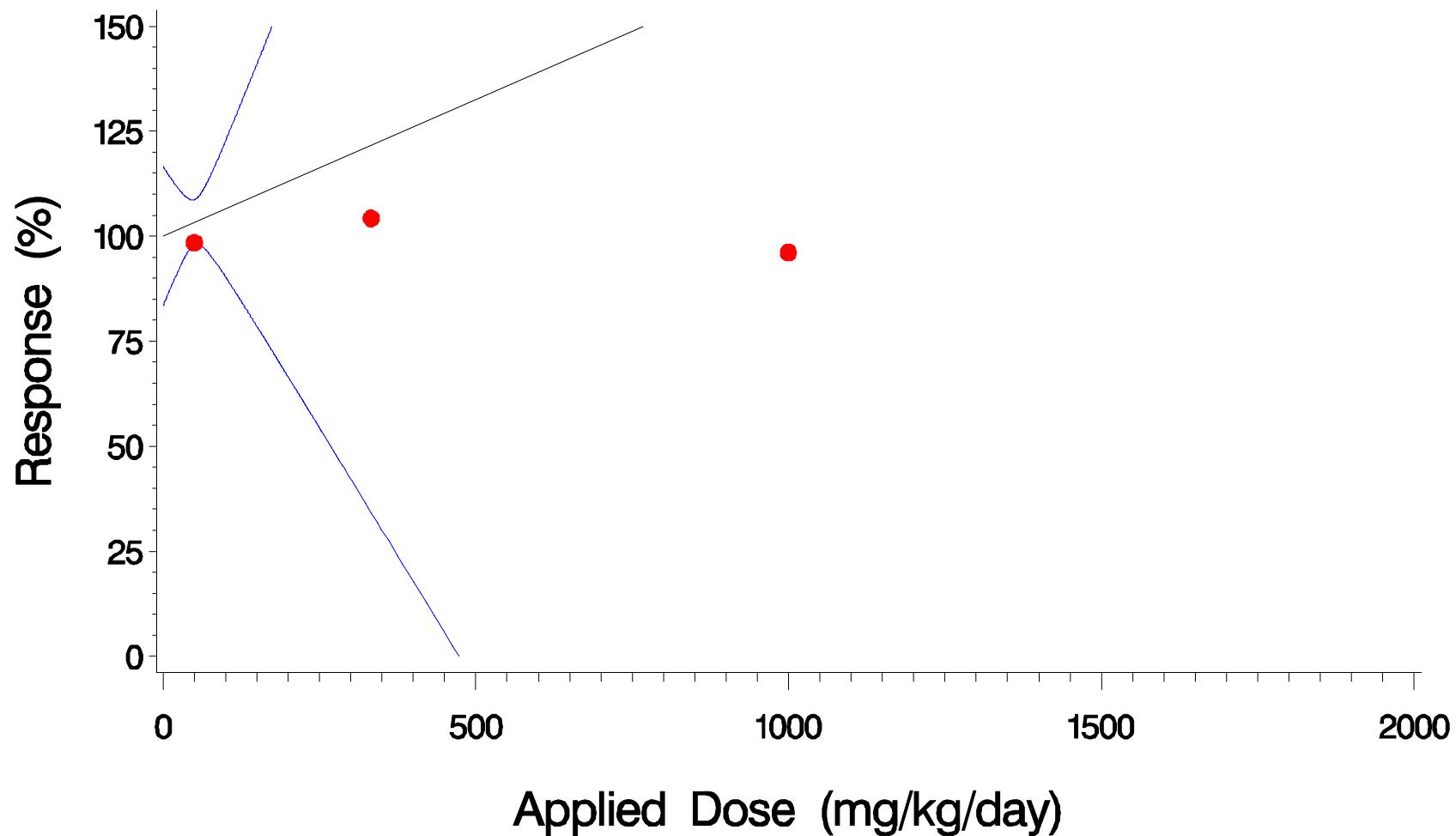
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 225



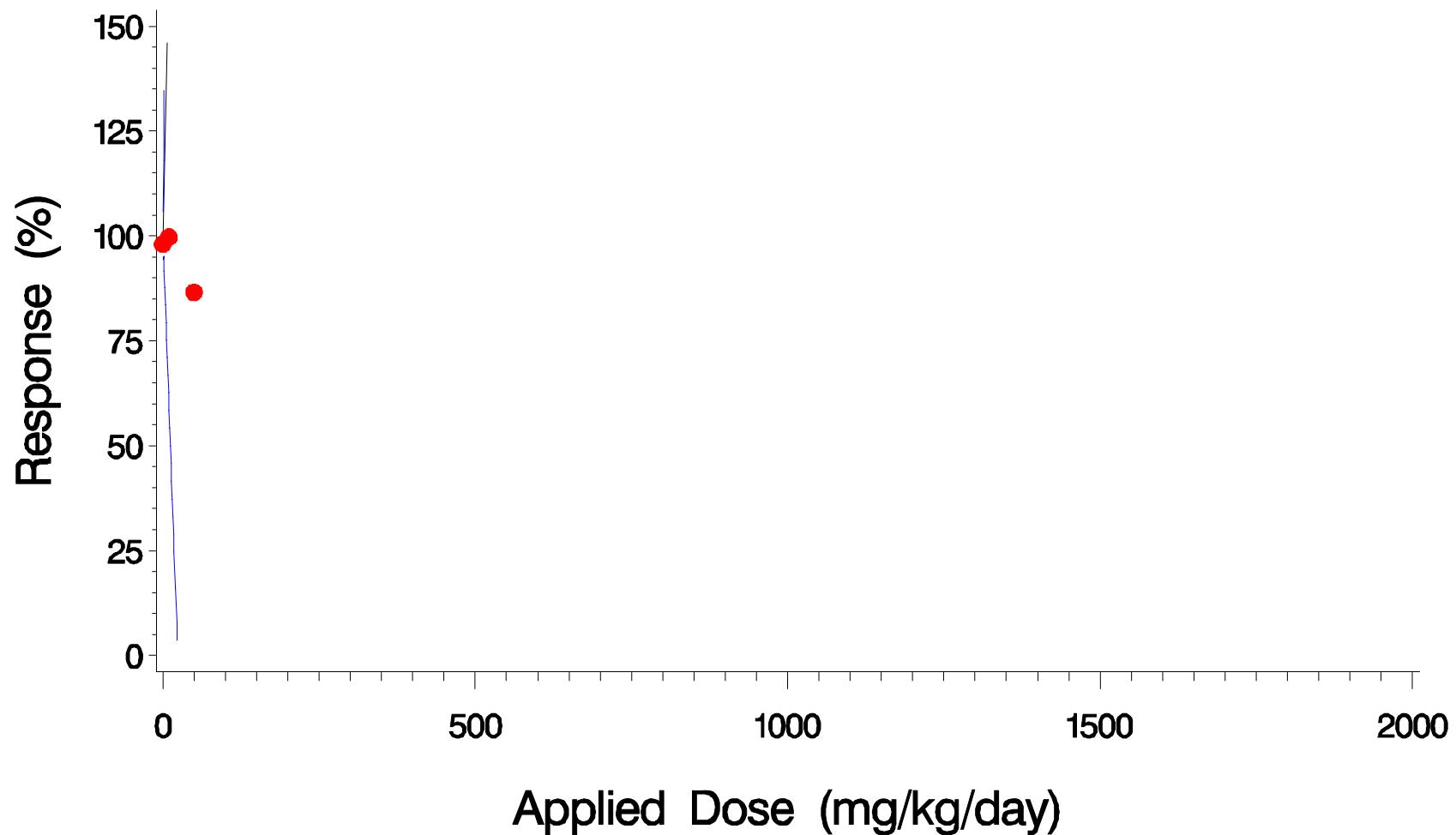
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 227



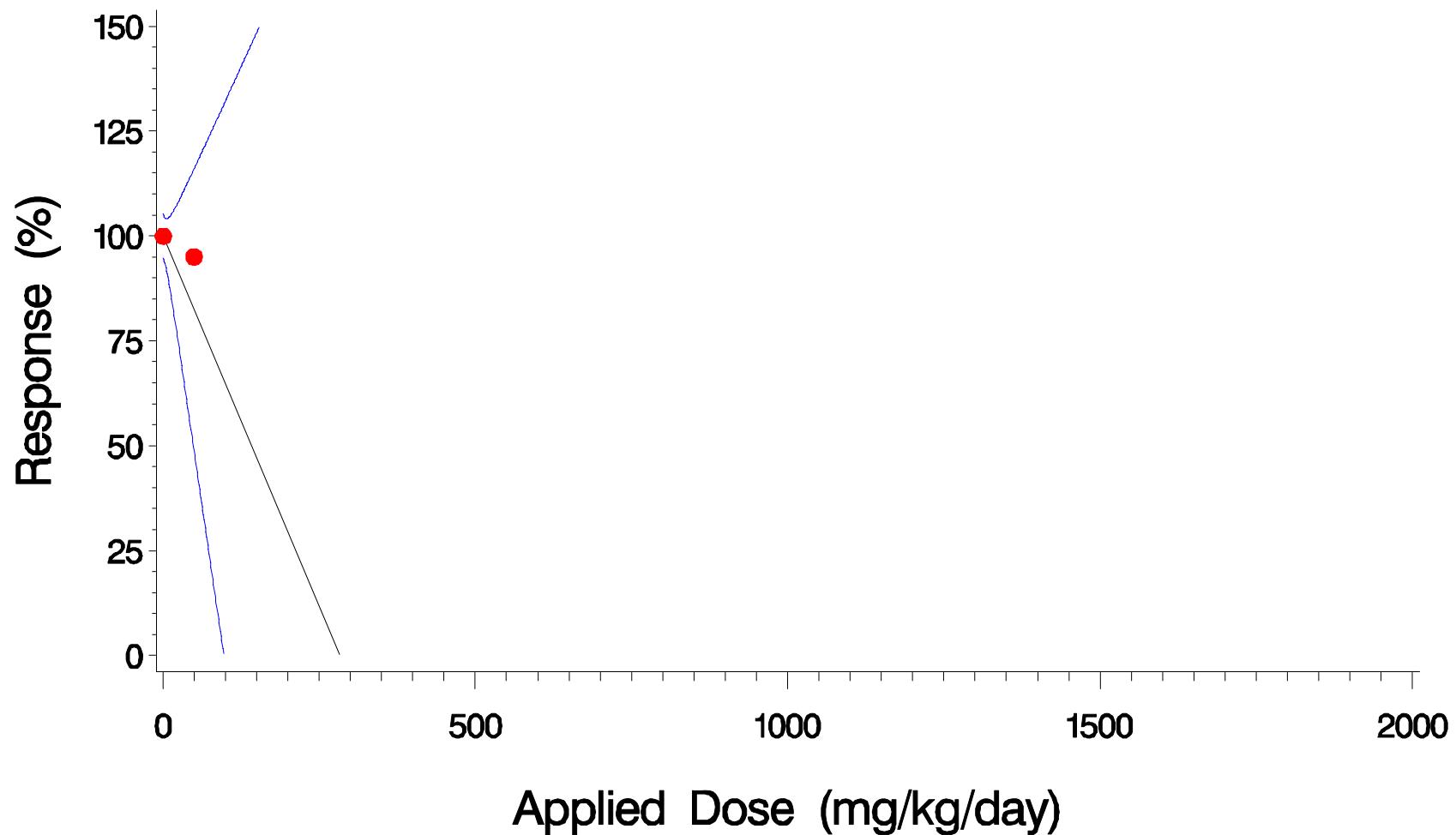
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 228



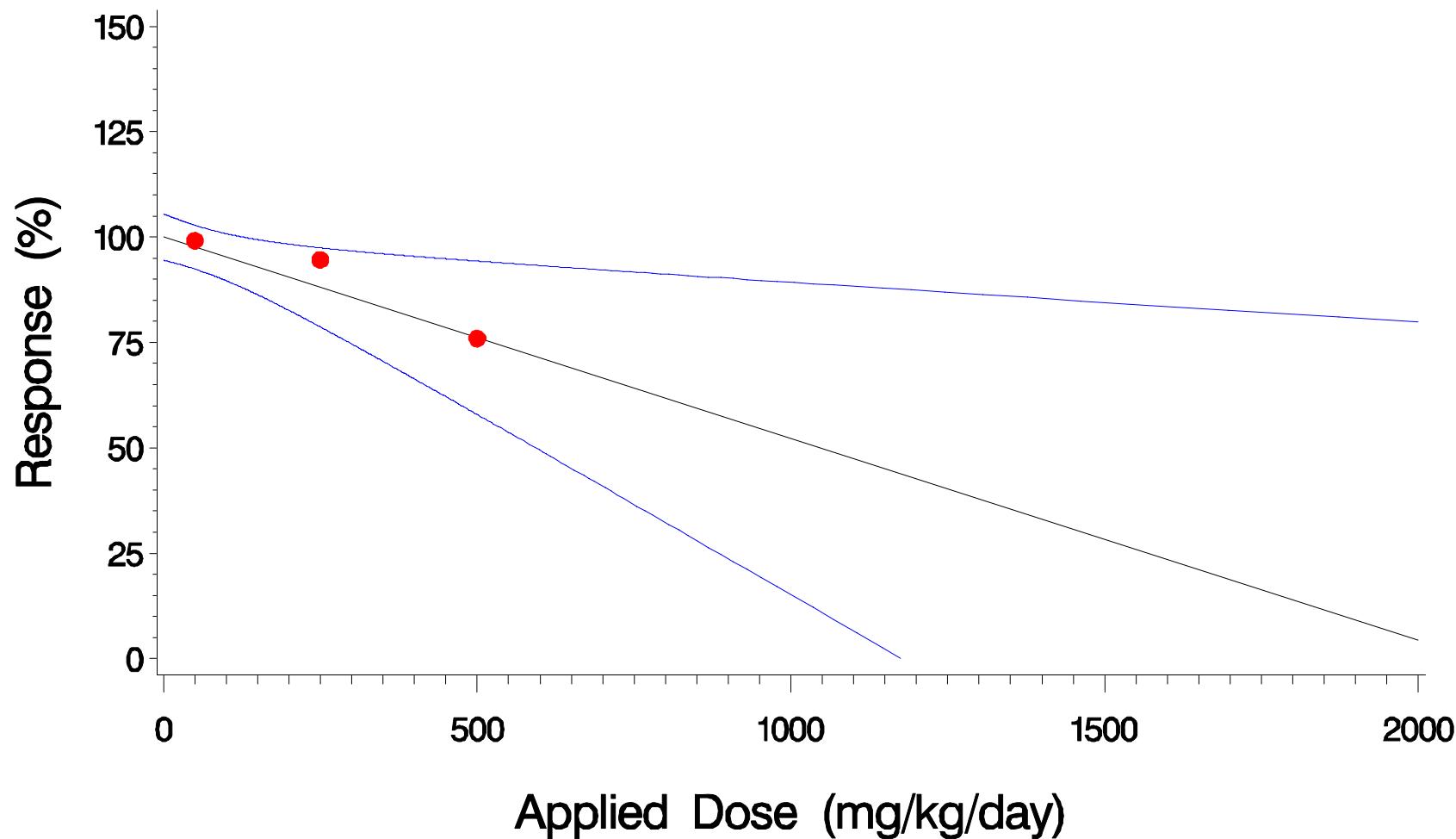
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 229



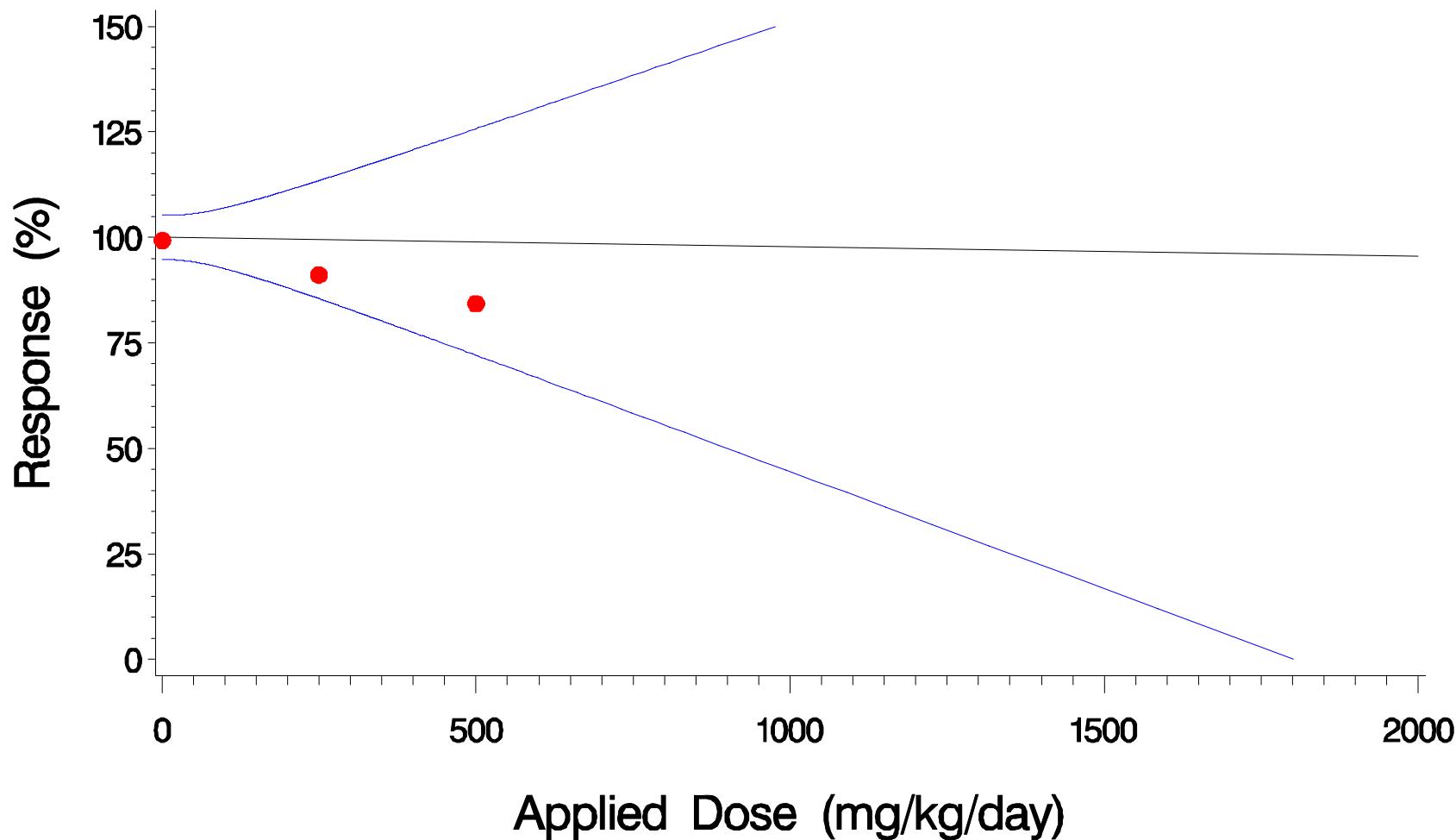
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 274



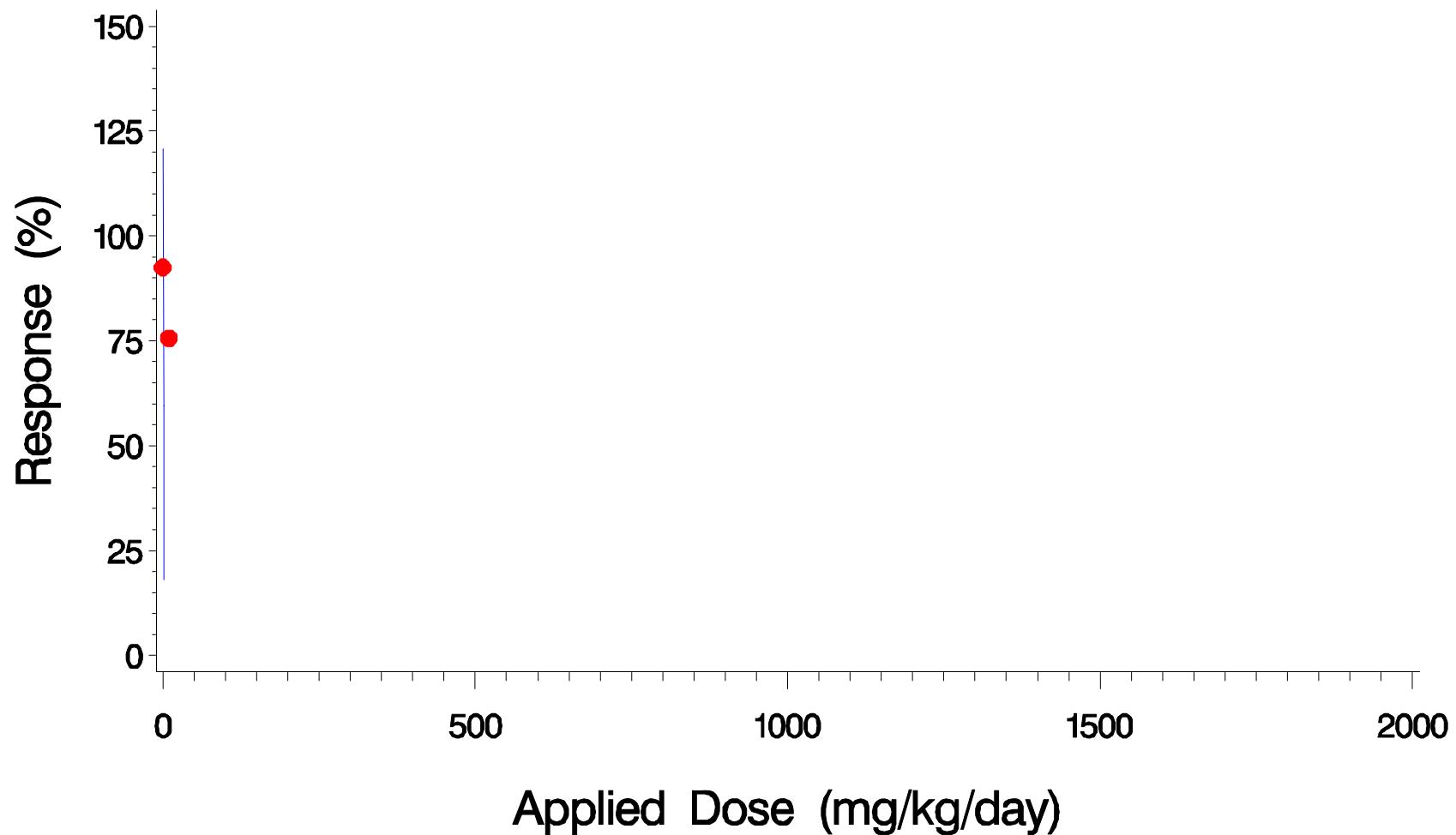
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 275



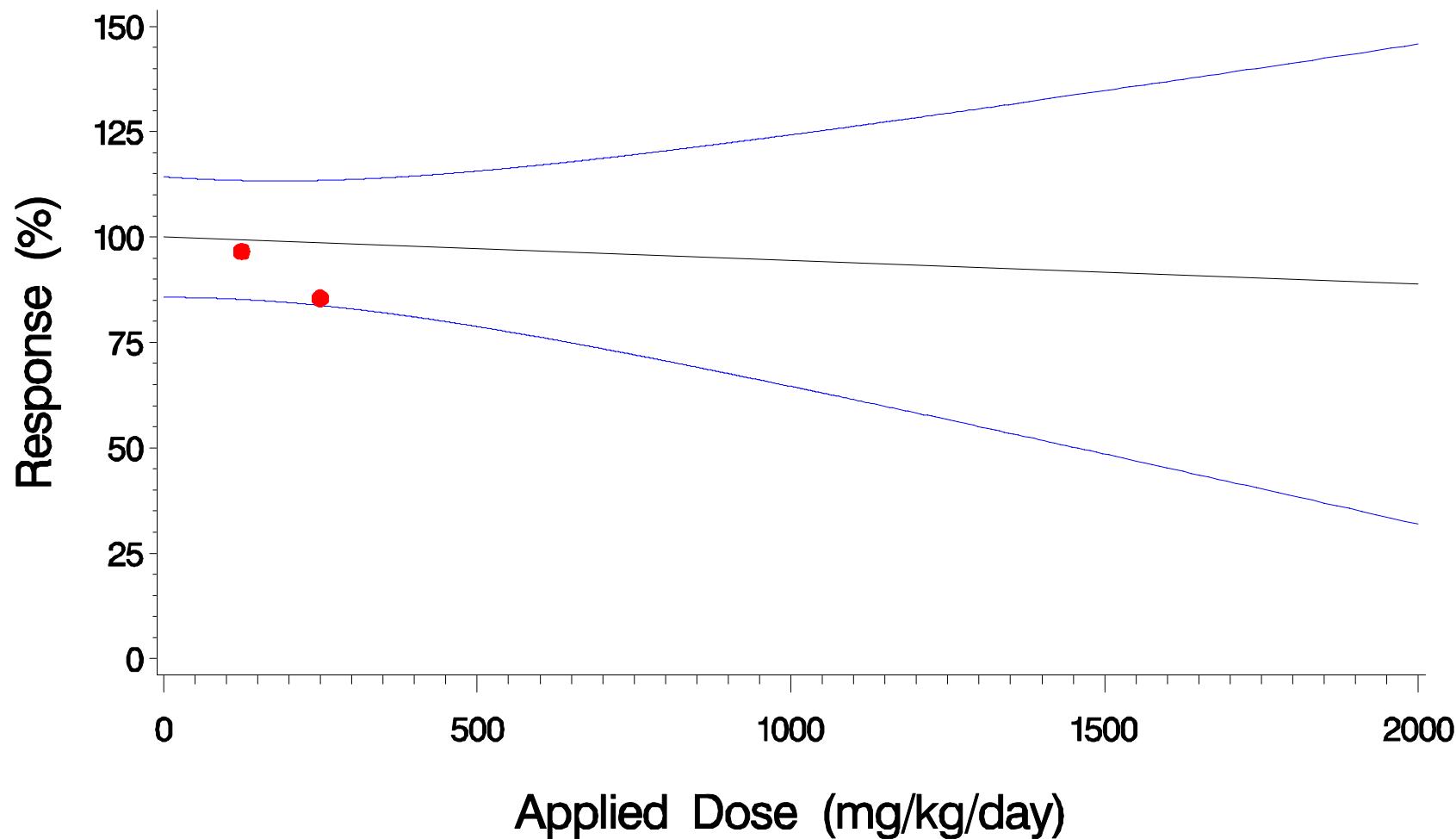
Heavy Fuel Oil
Post-natal Pup Weight
sample_no = F - 276



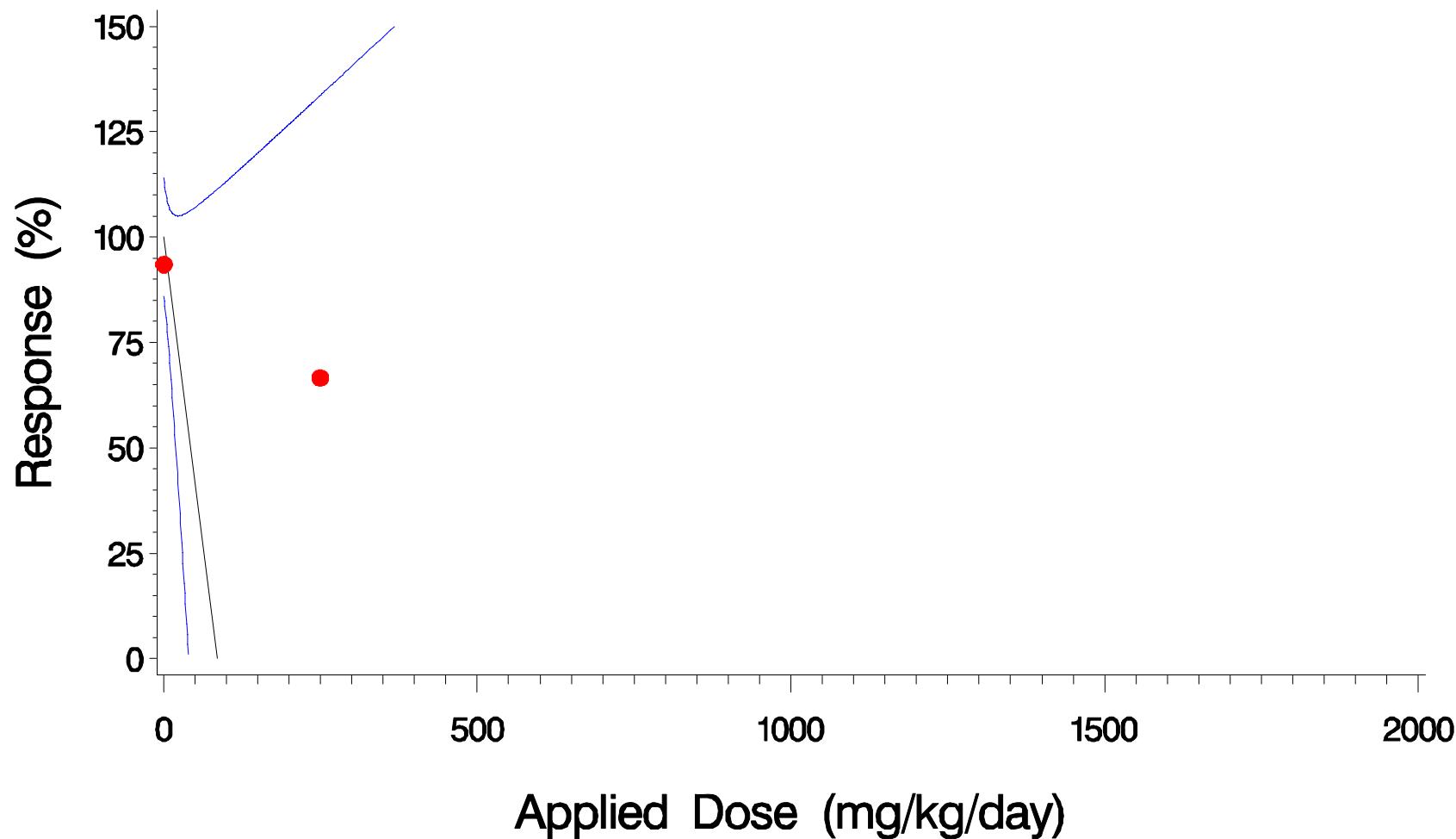
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 179



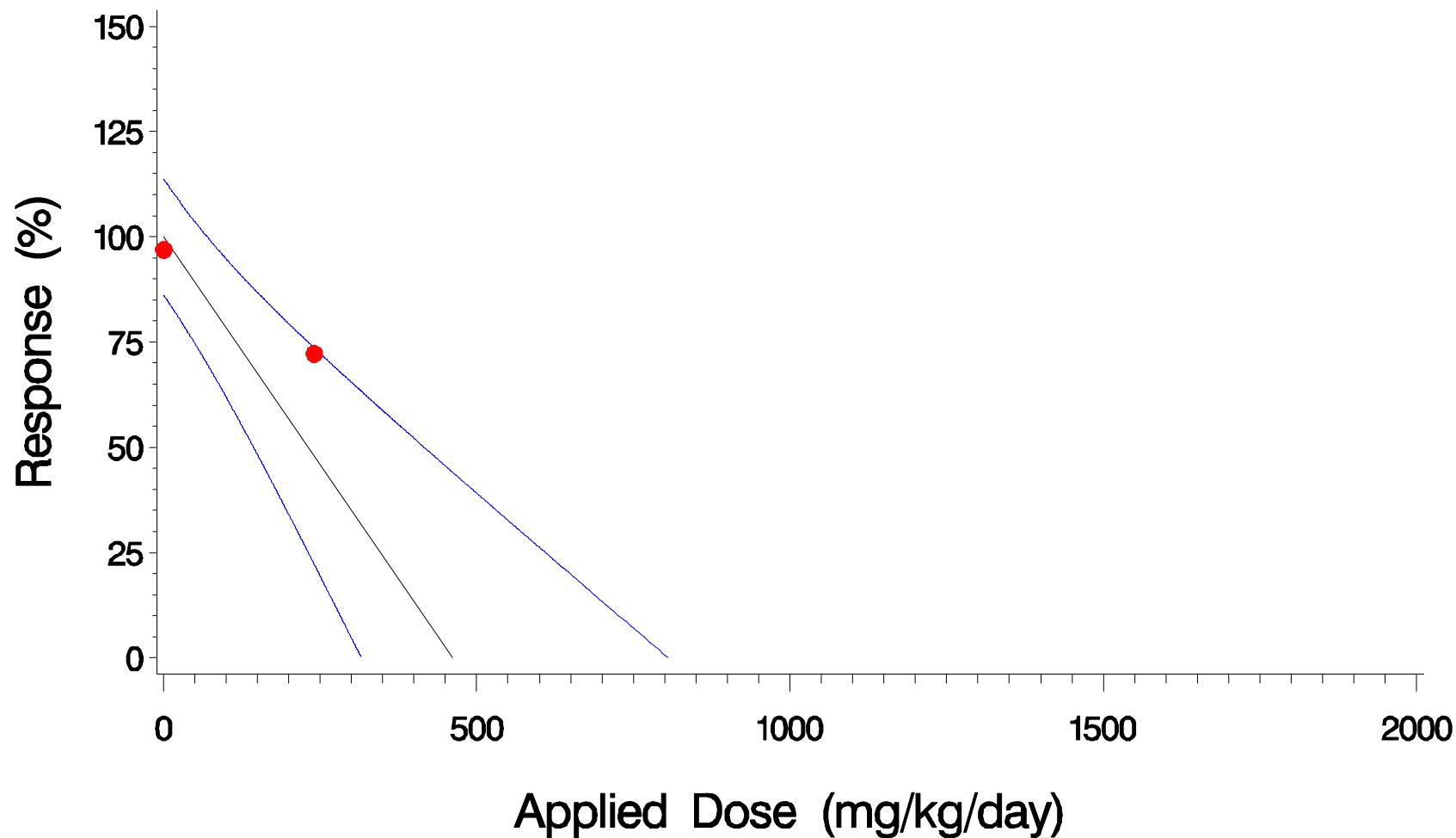
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 194



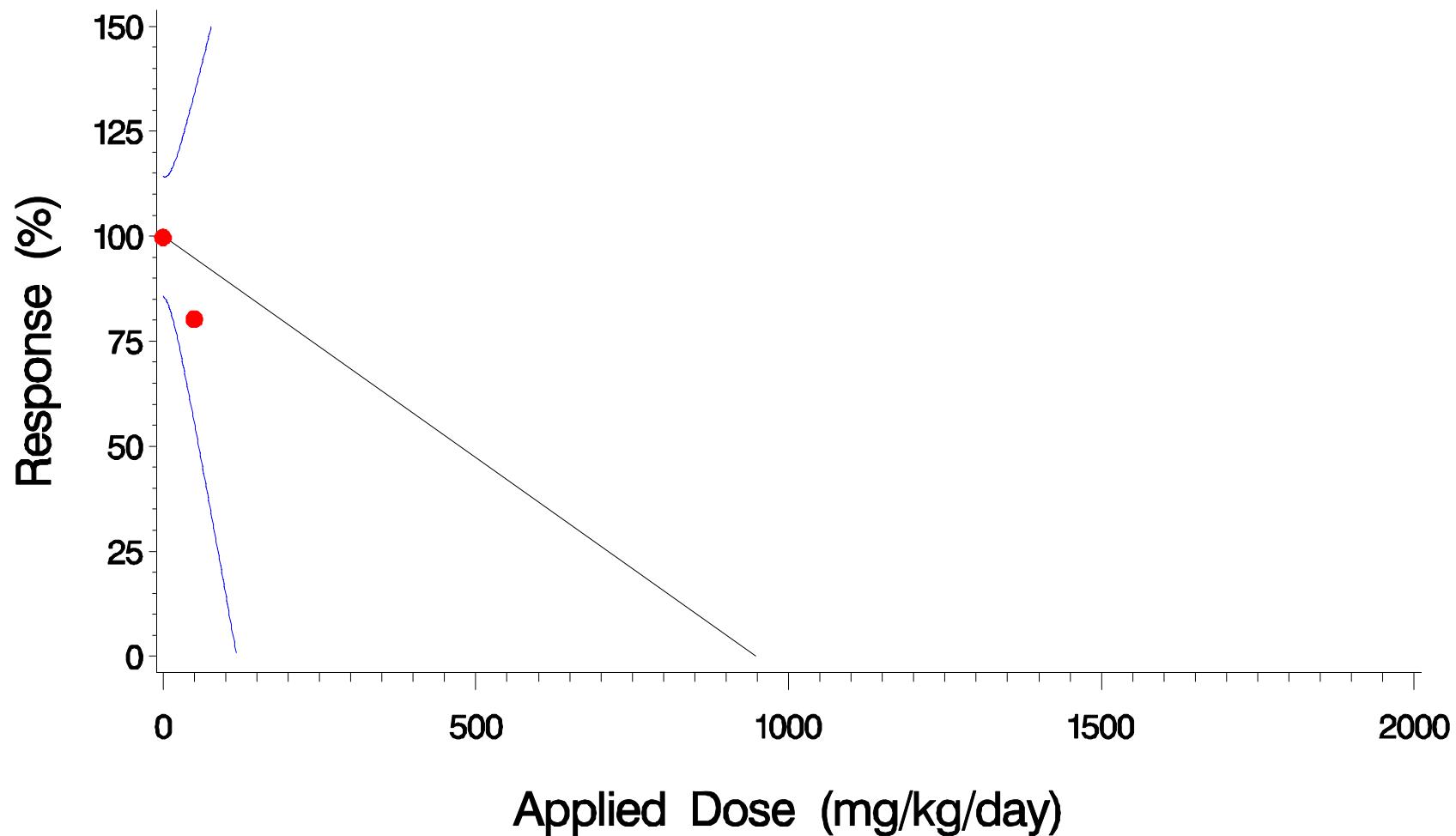
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 196



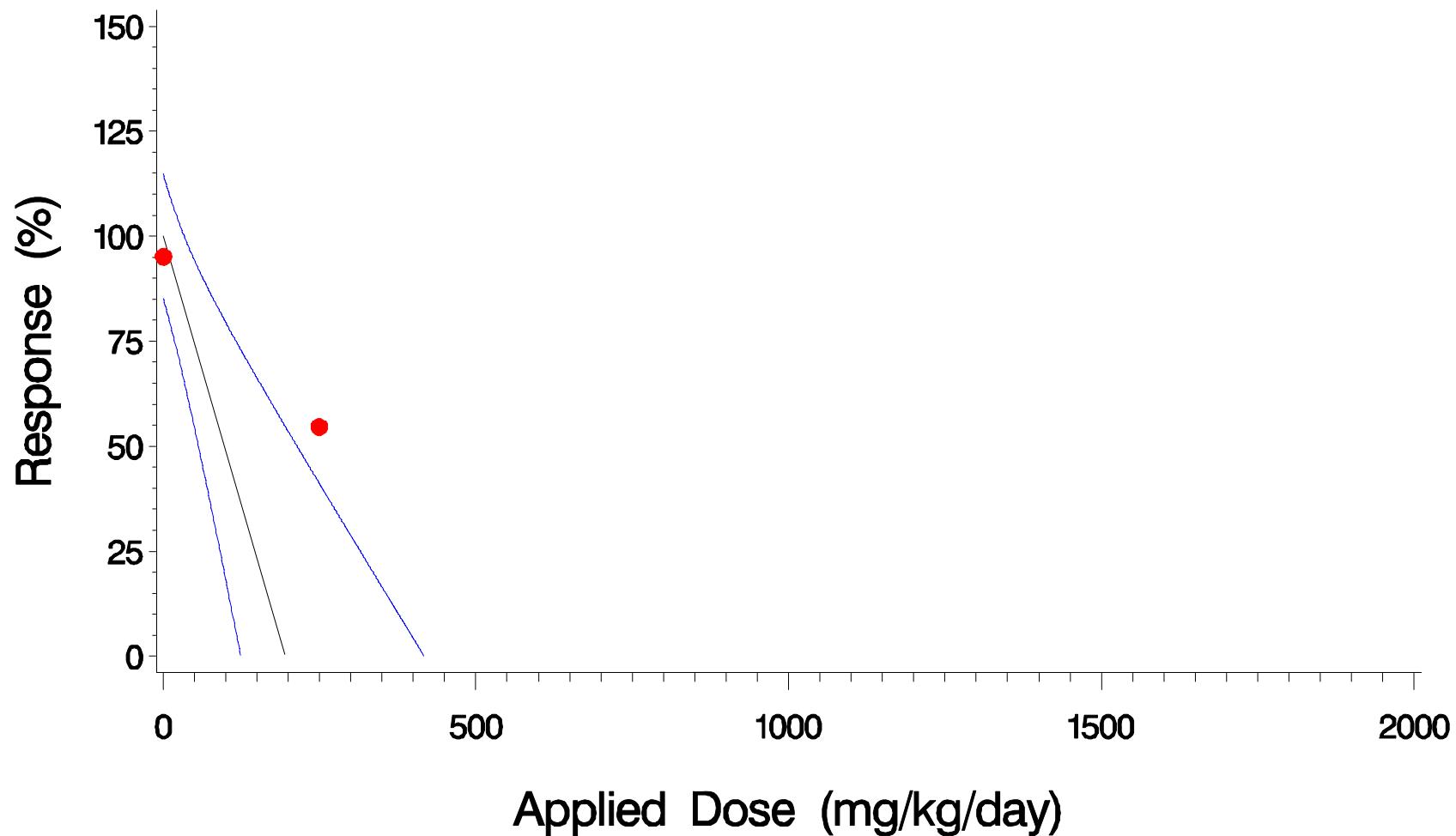
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 197



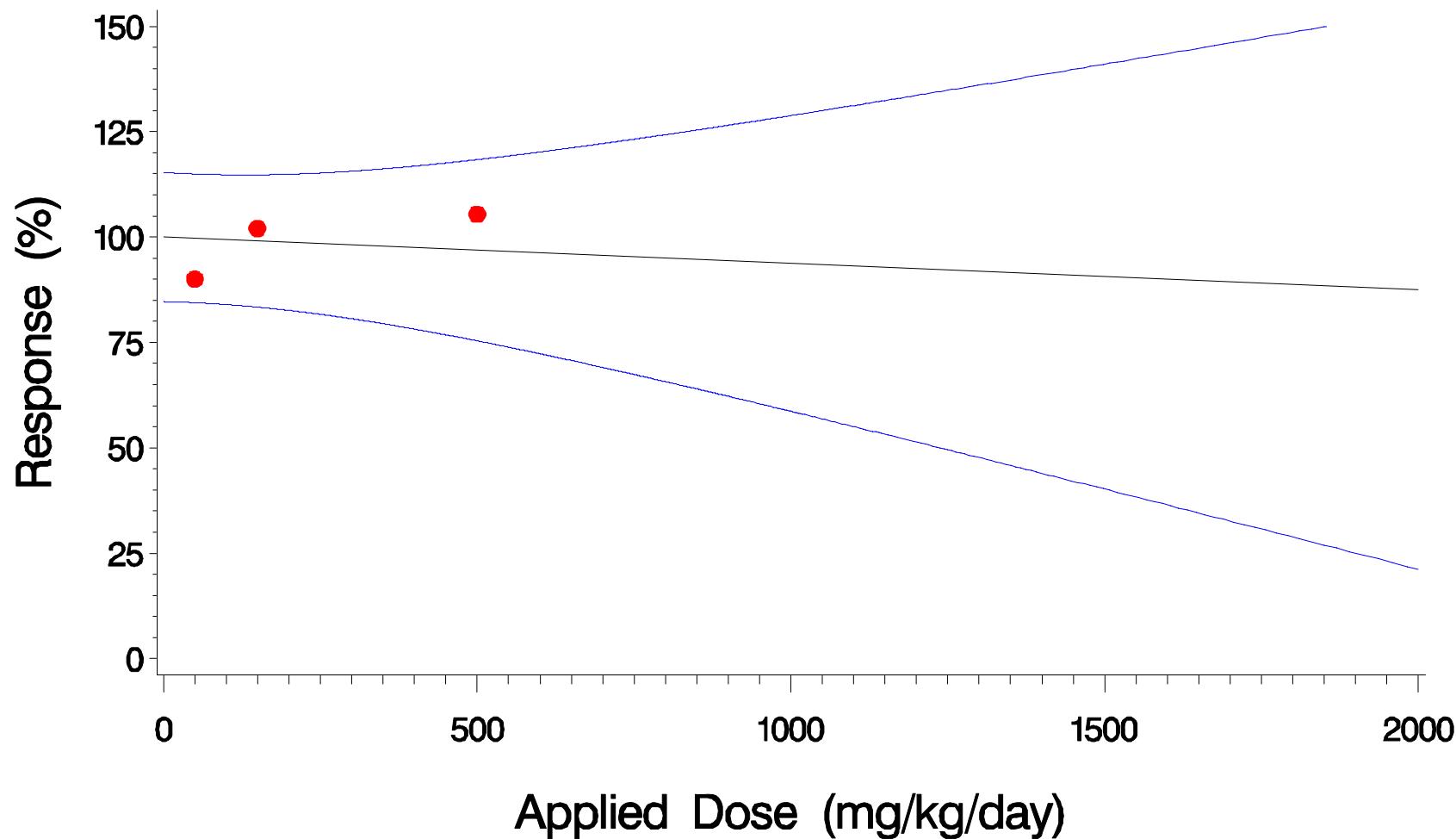
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 200



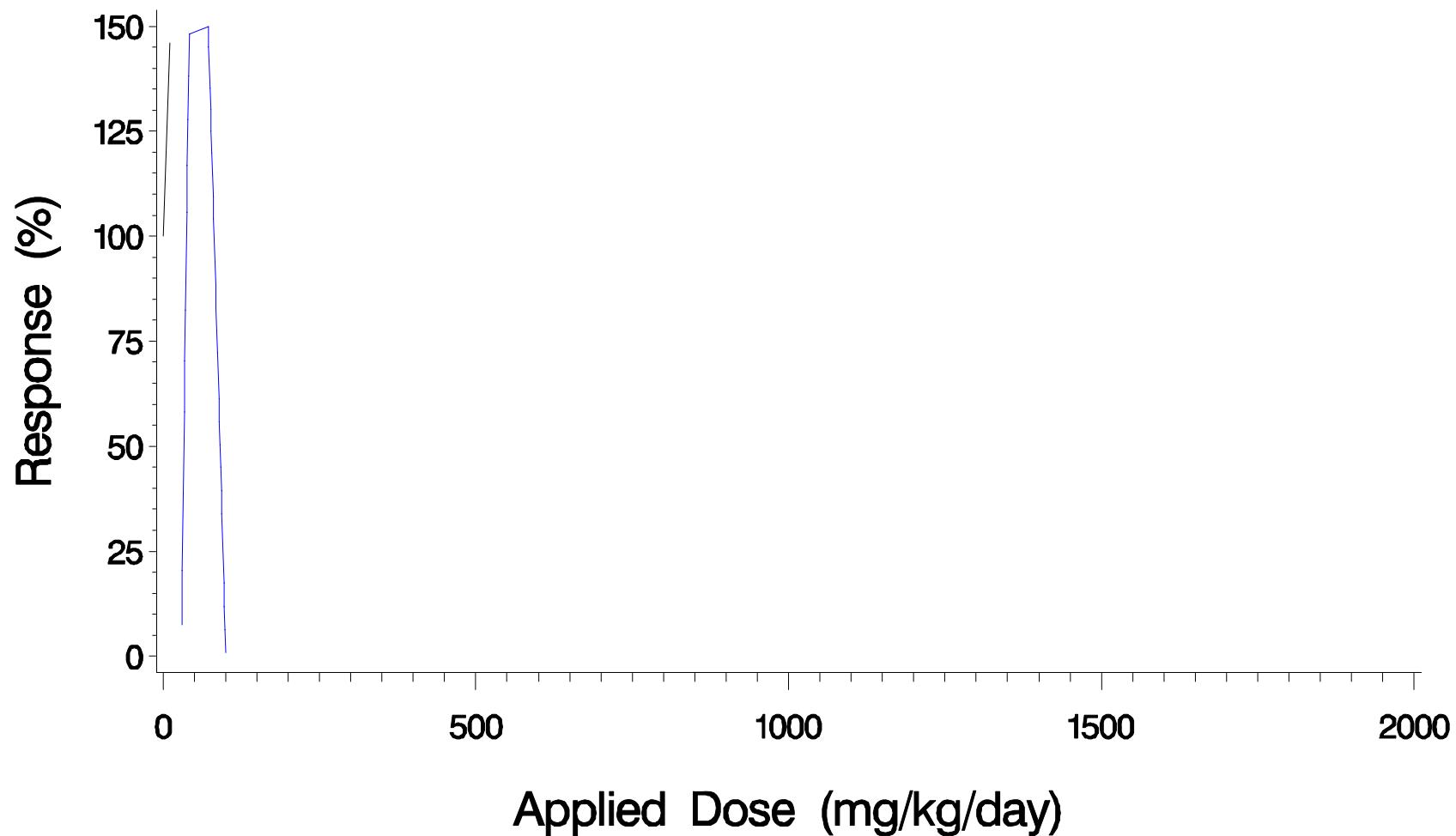
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 201



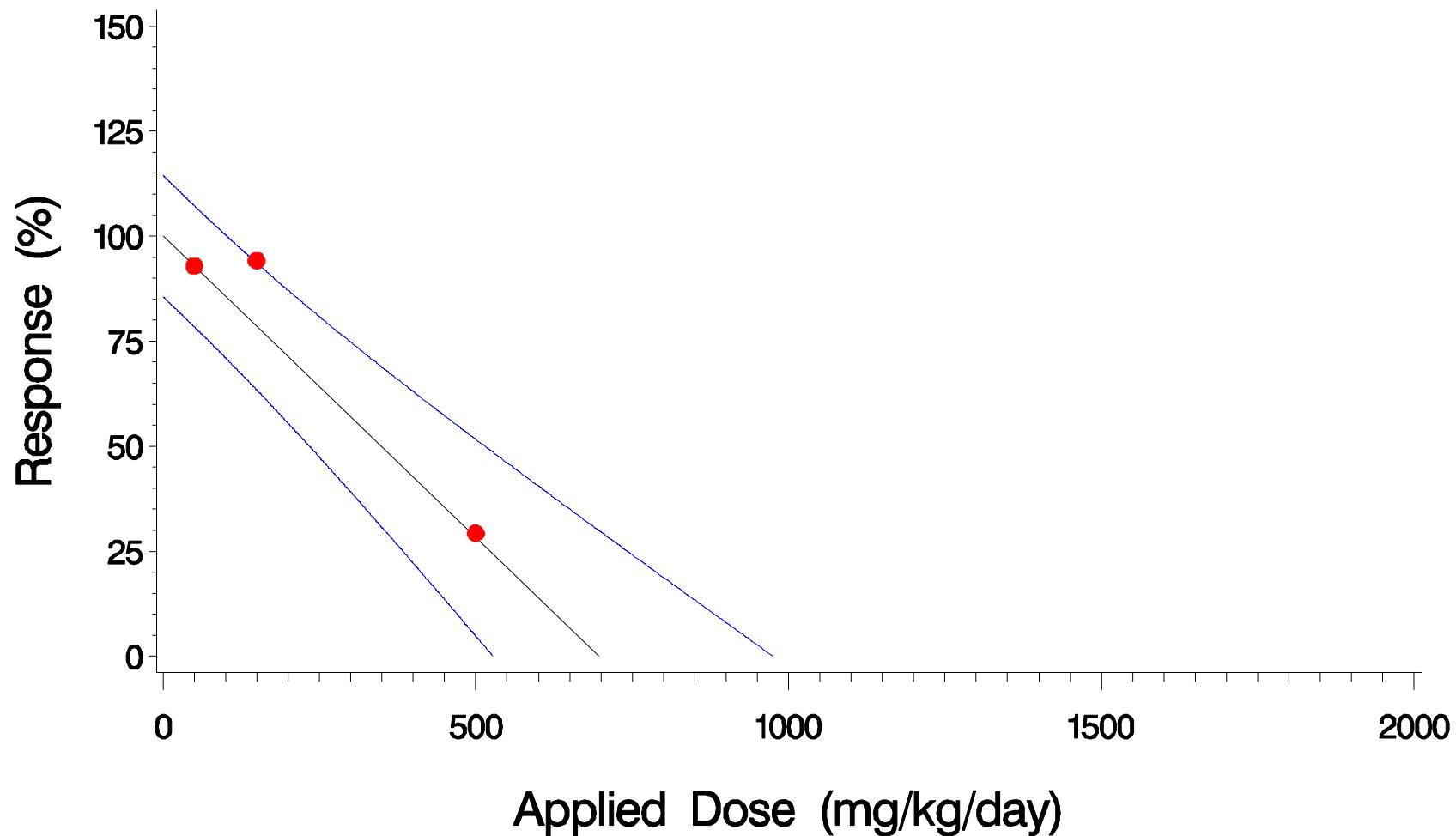
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 215



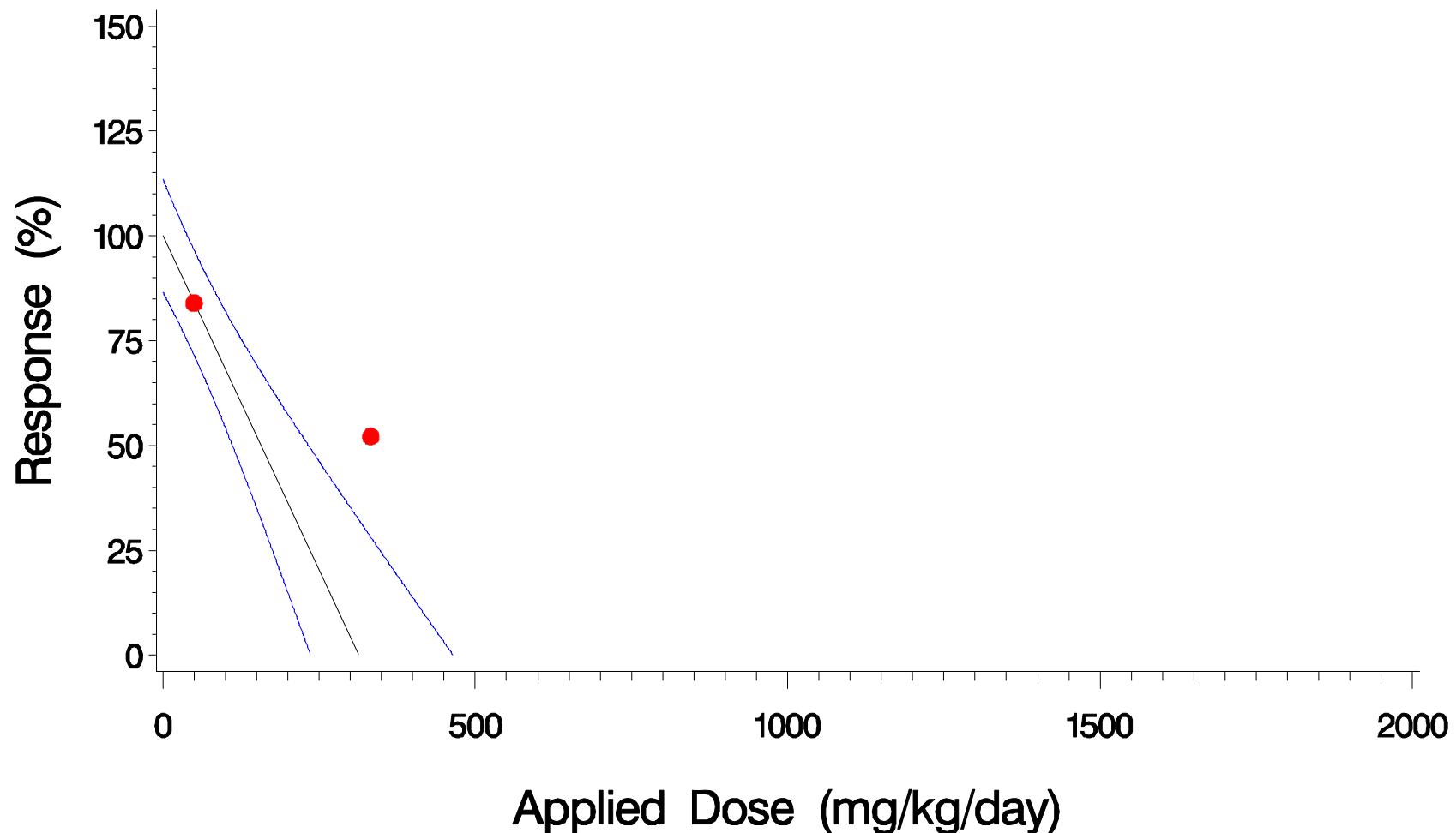
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 222



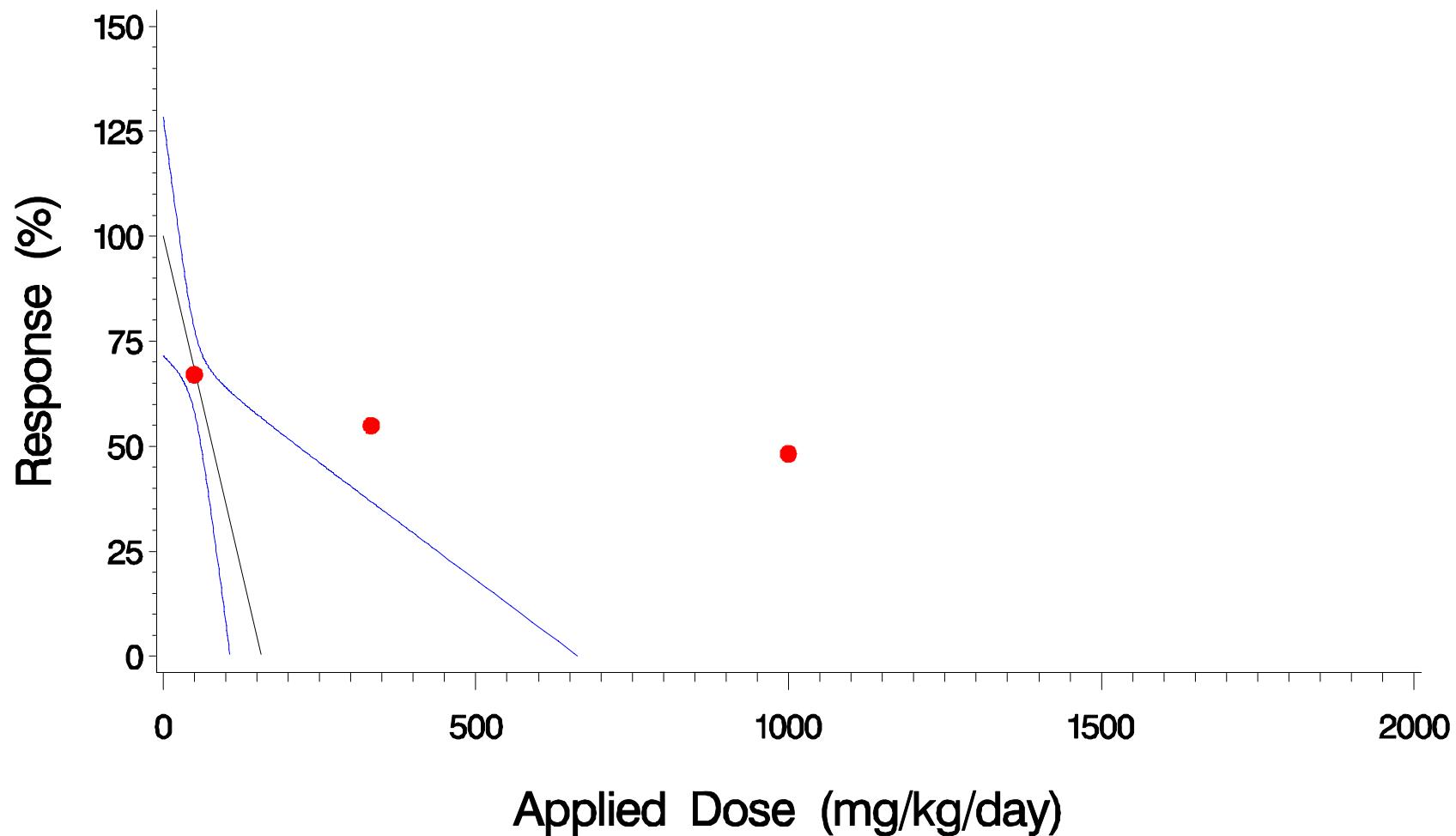
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 225



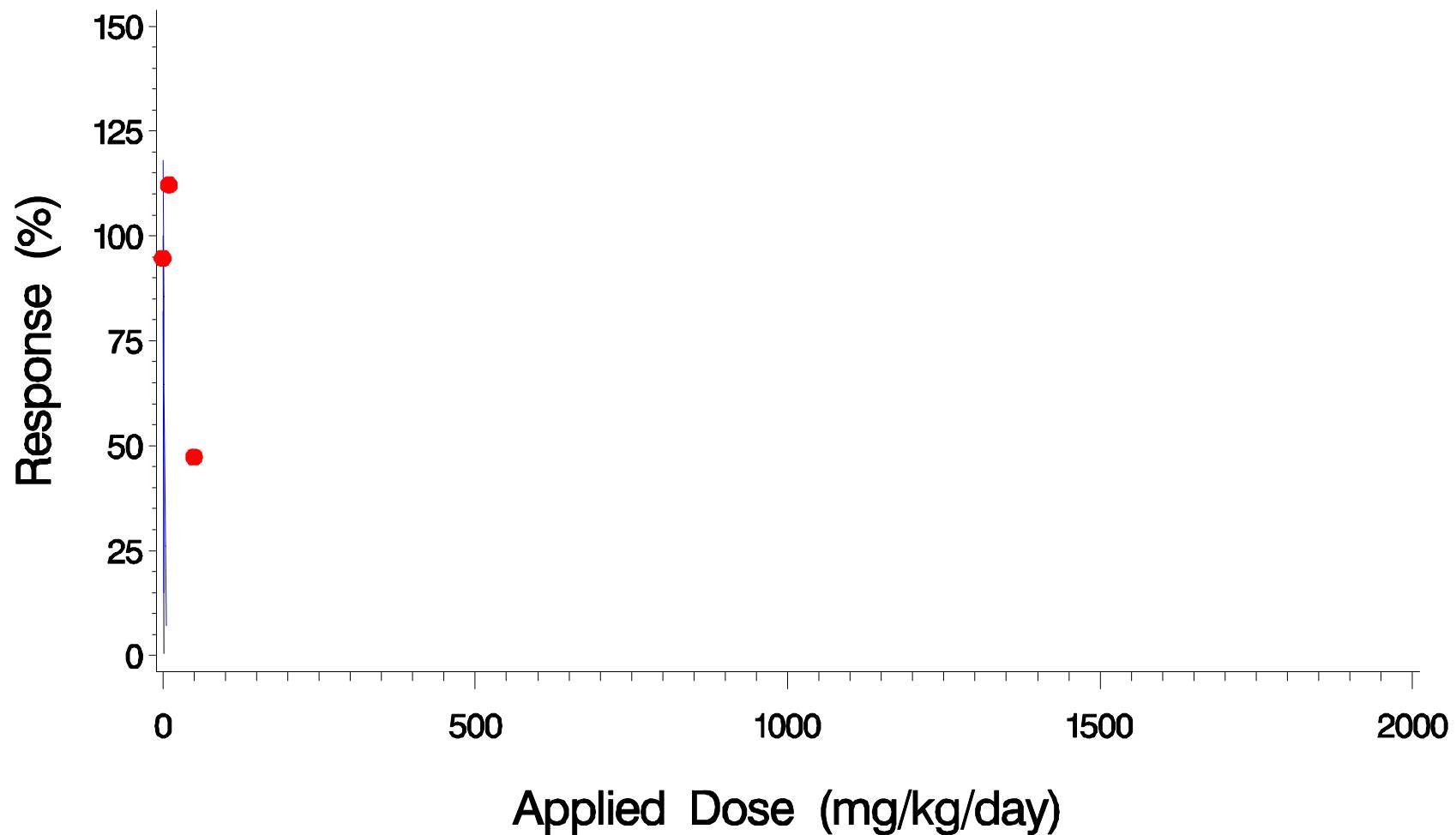
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 227



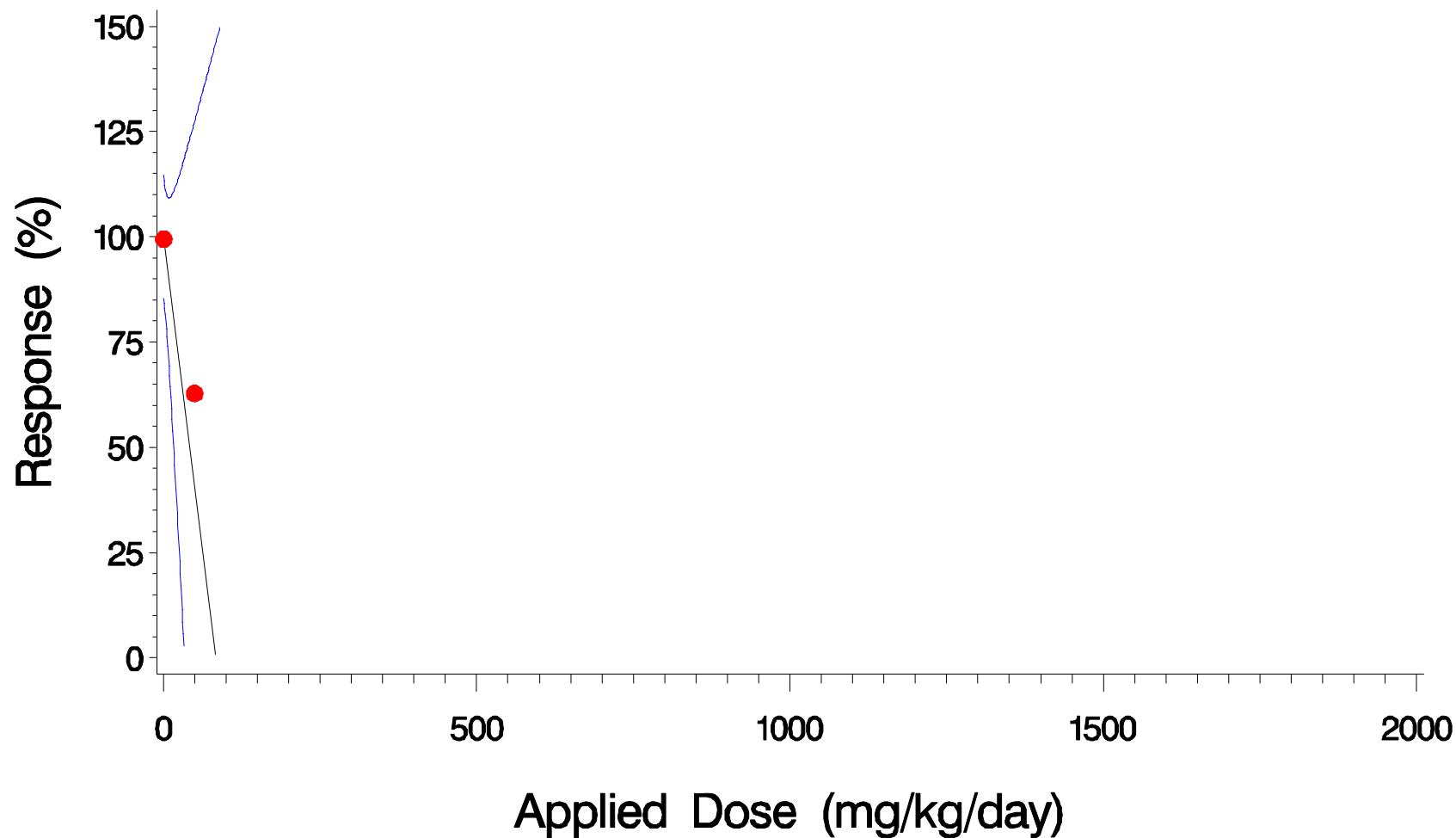
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 228



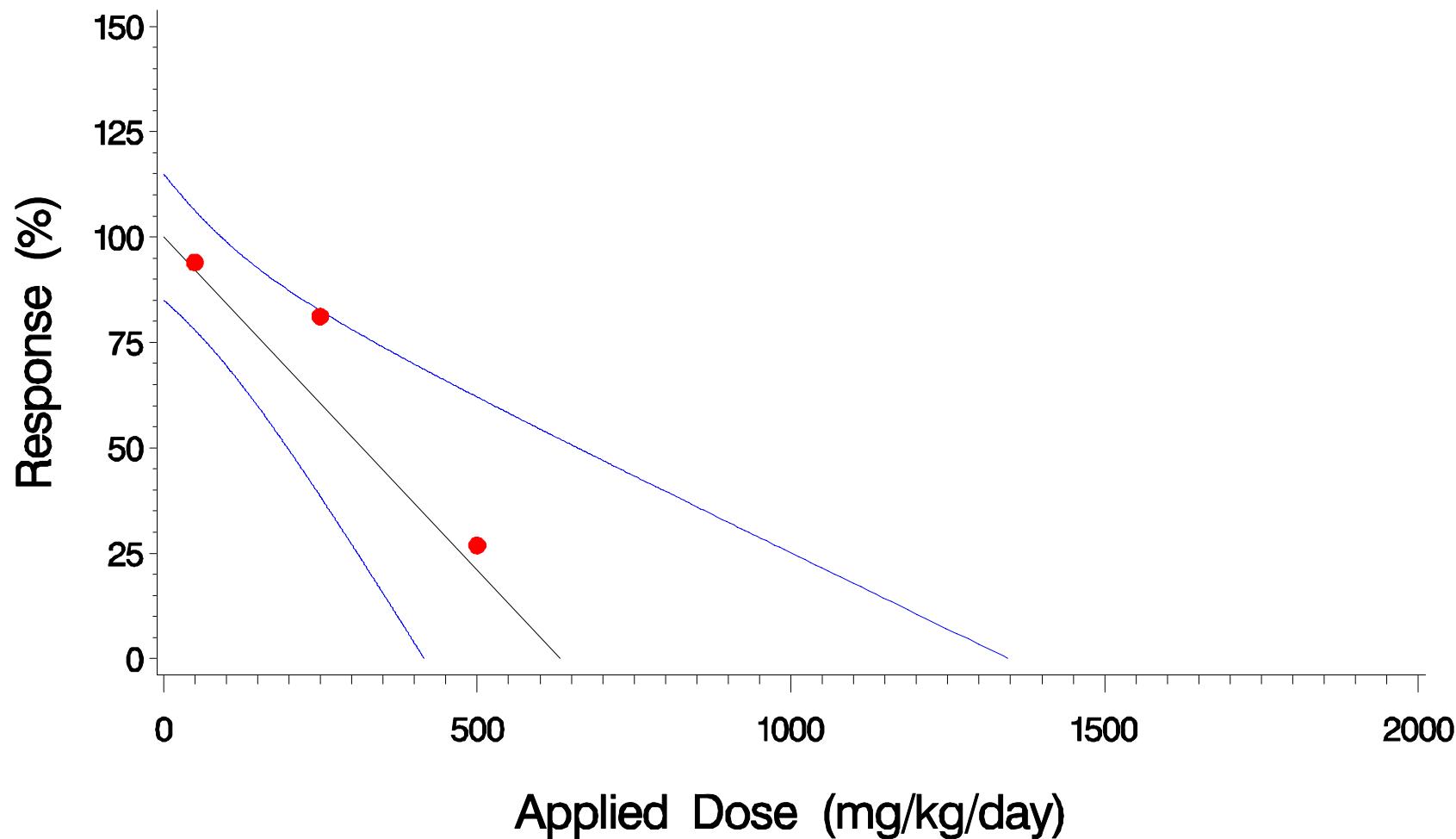
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 229



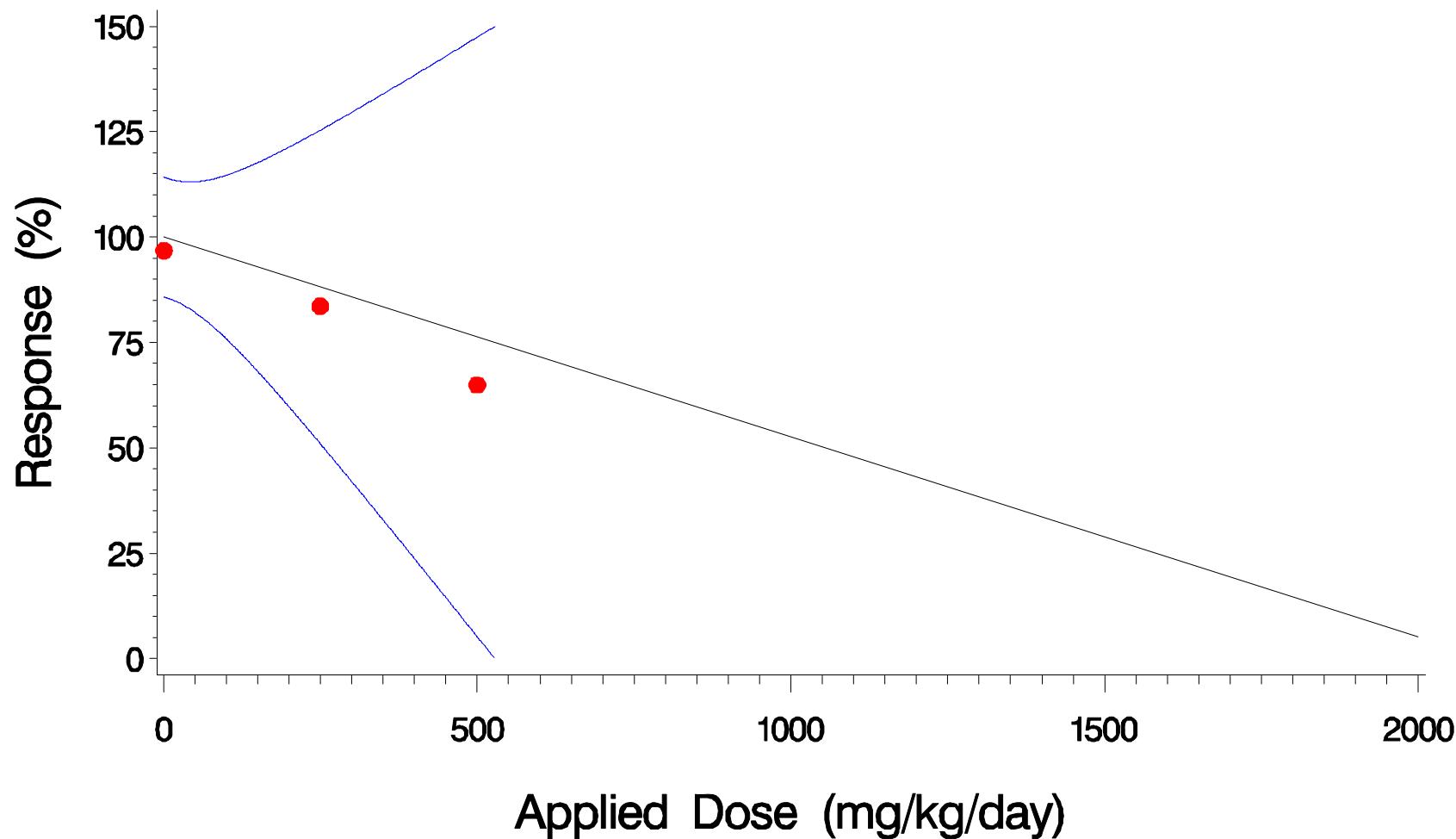
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 274



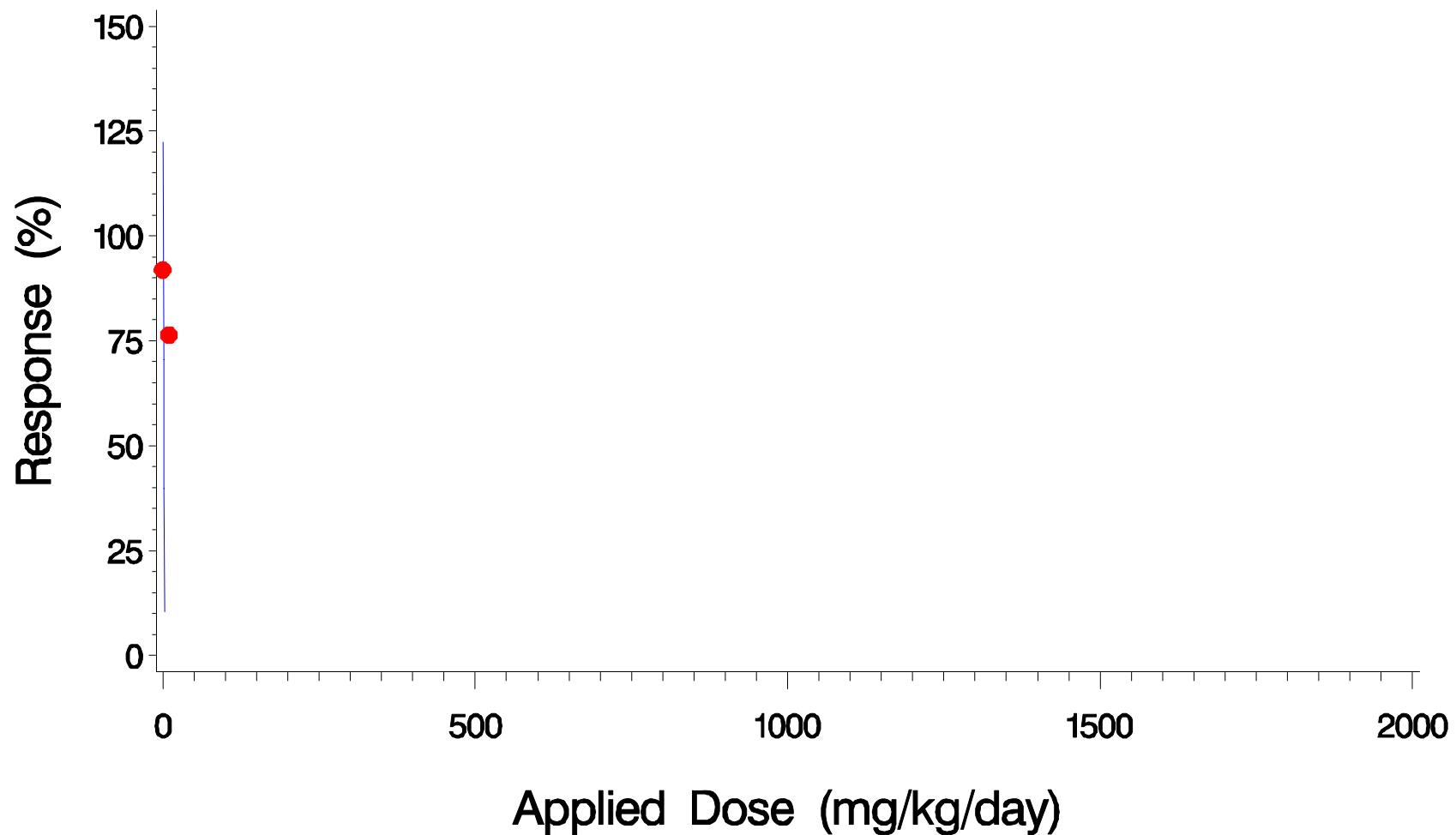
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 275



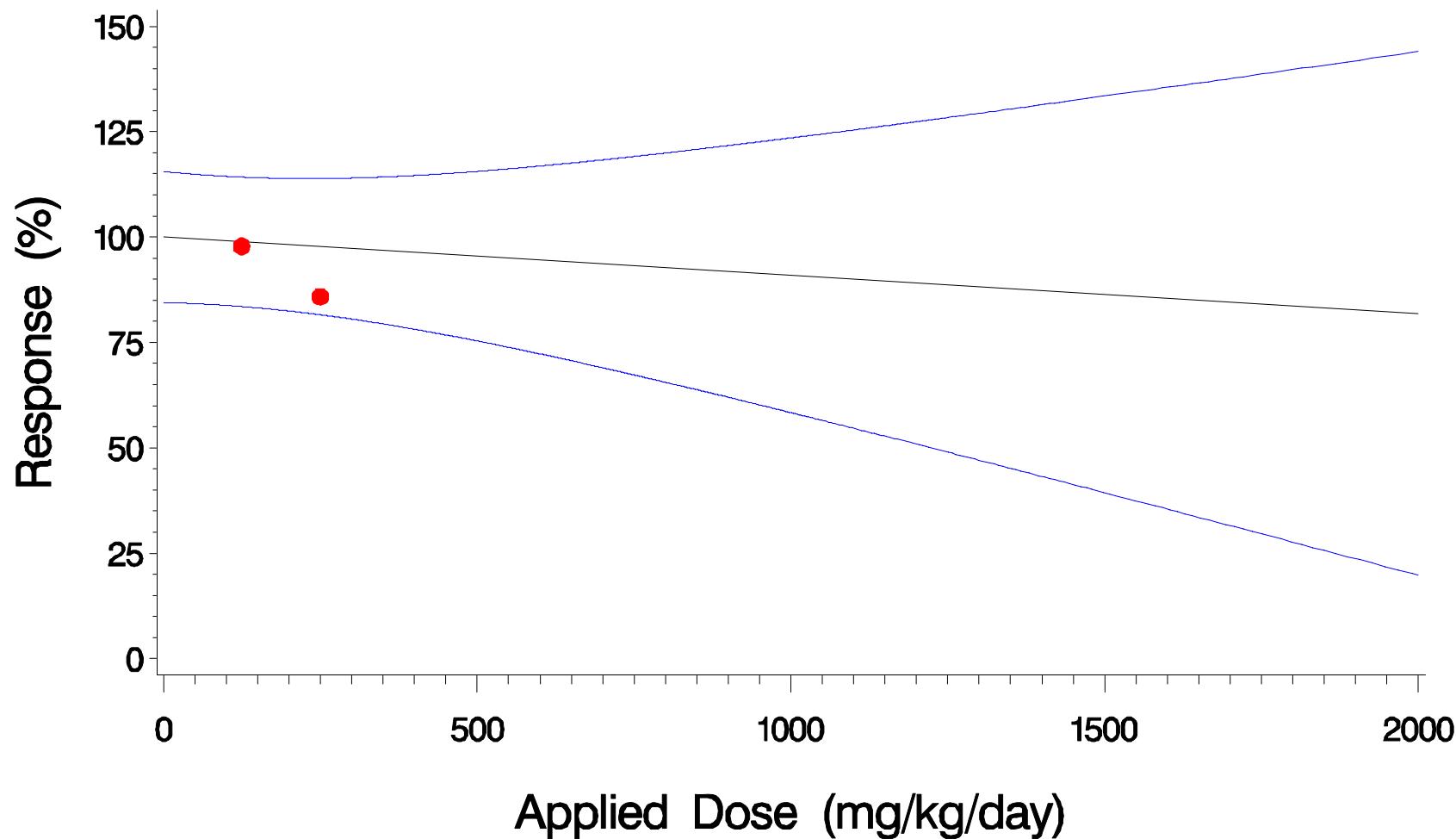
Heavy Fuel Oil
Post-natal Total Litter Size
sample_no = F - 276



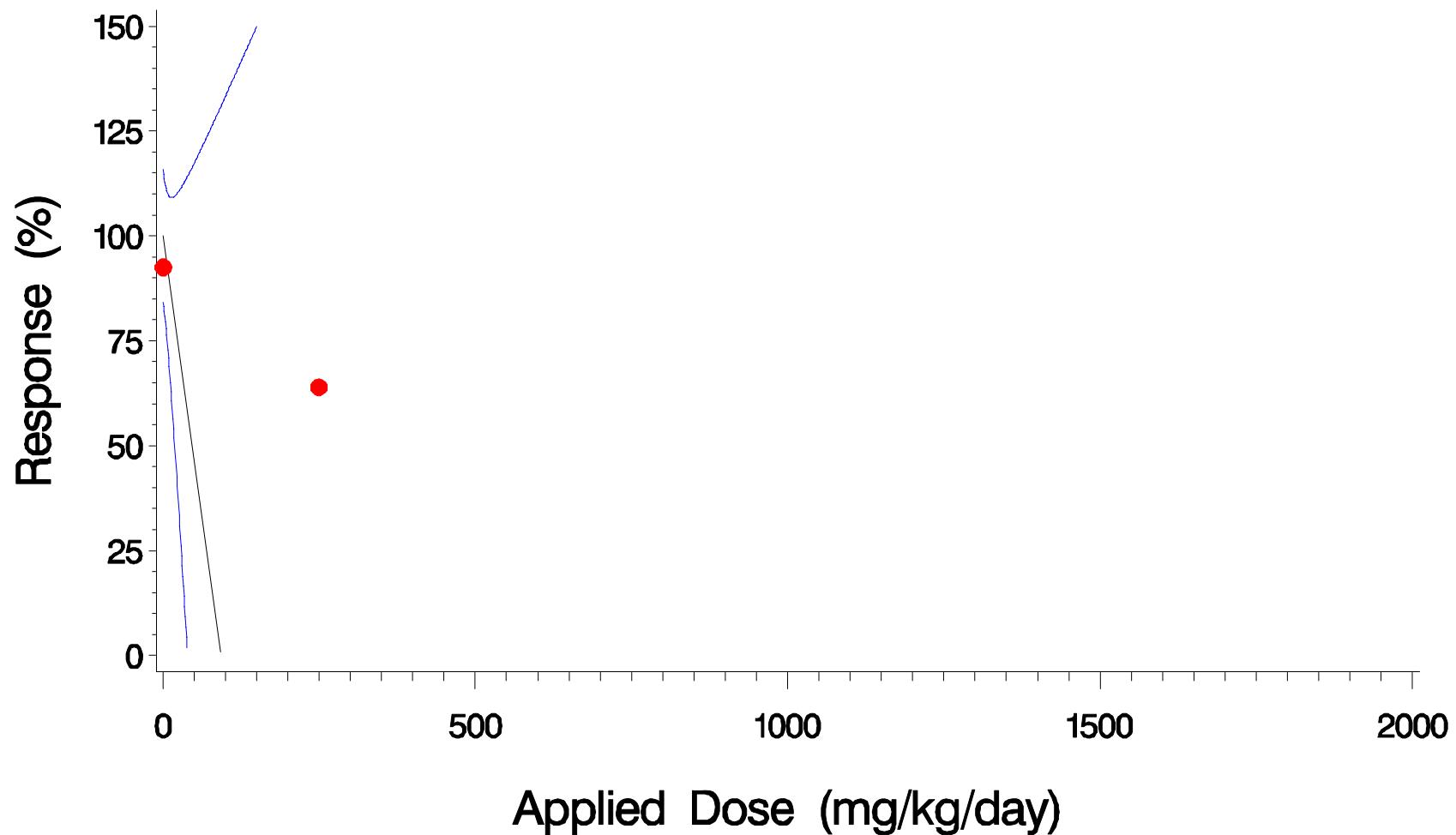
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 179



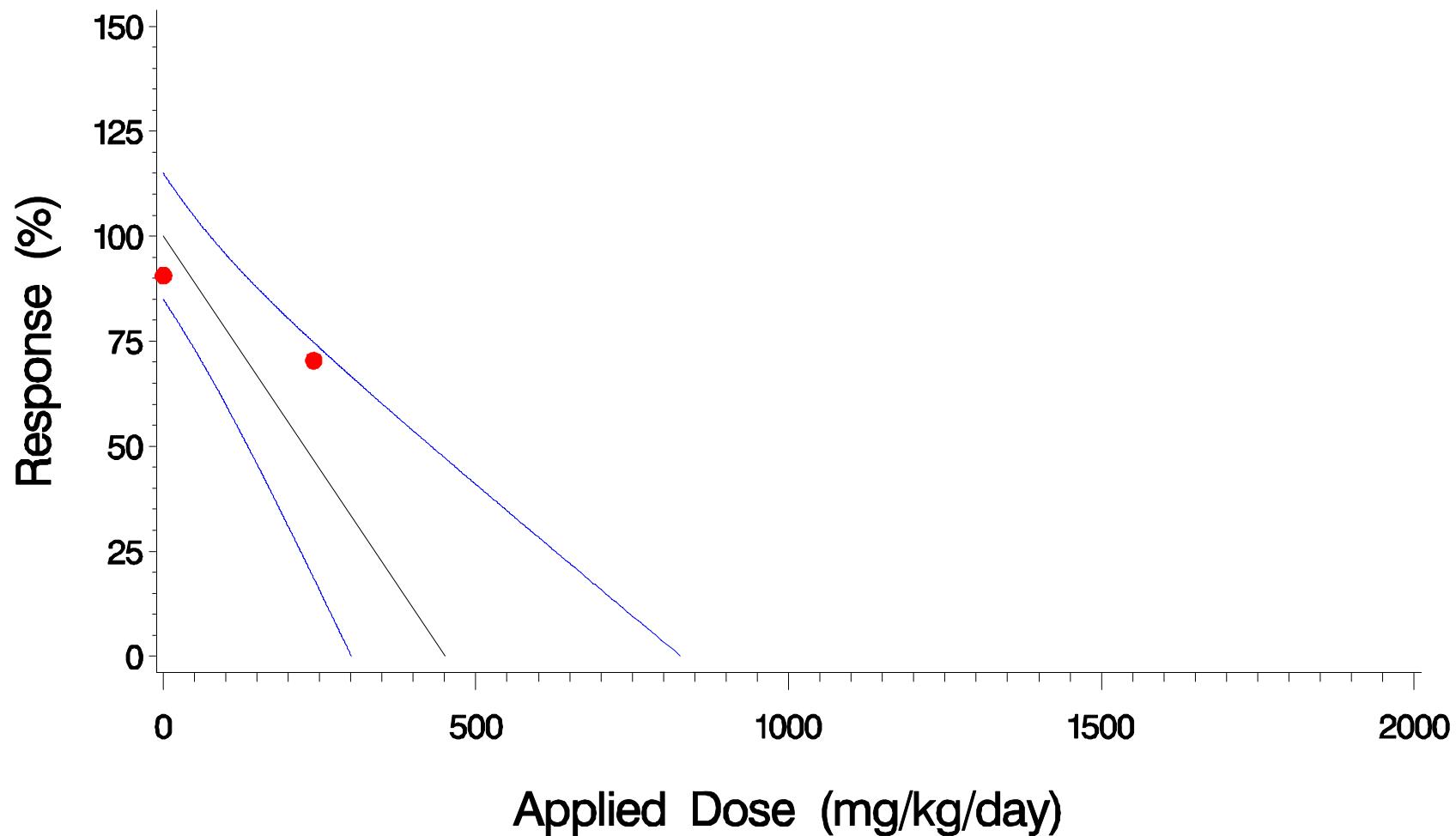
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 194



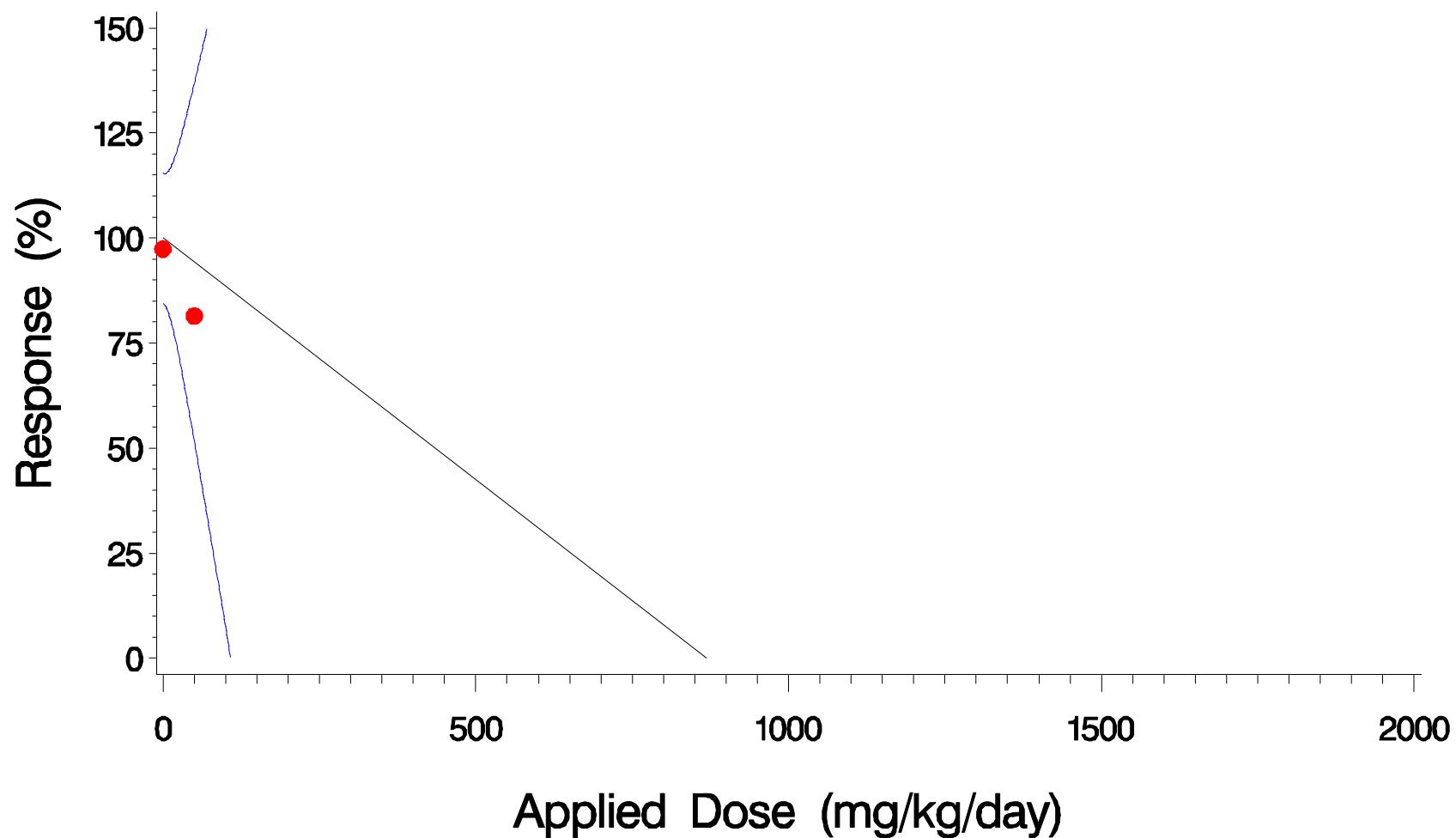
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 196



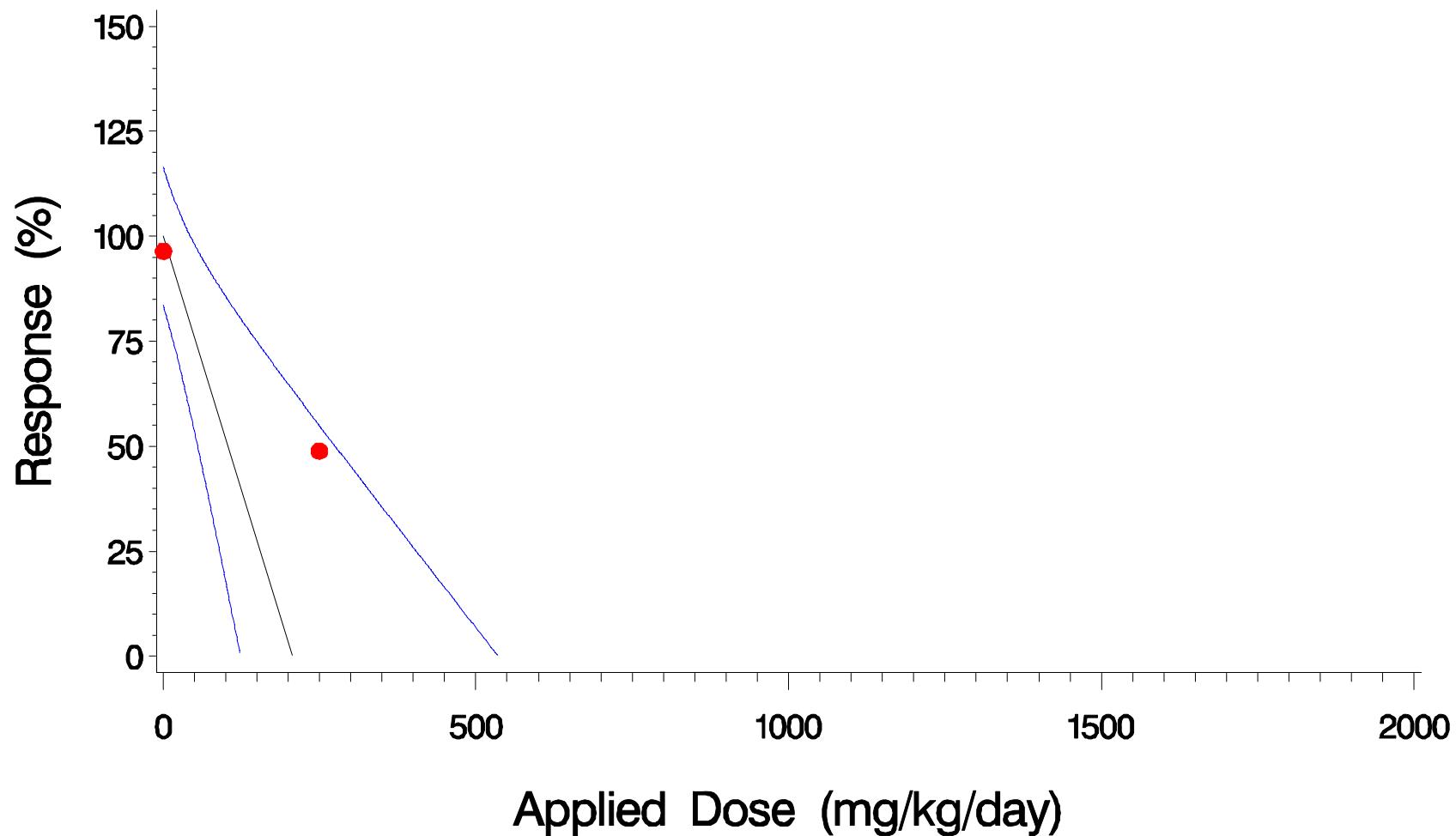
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 197



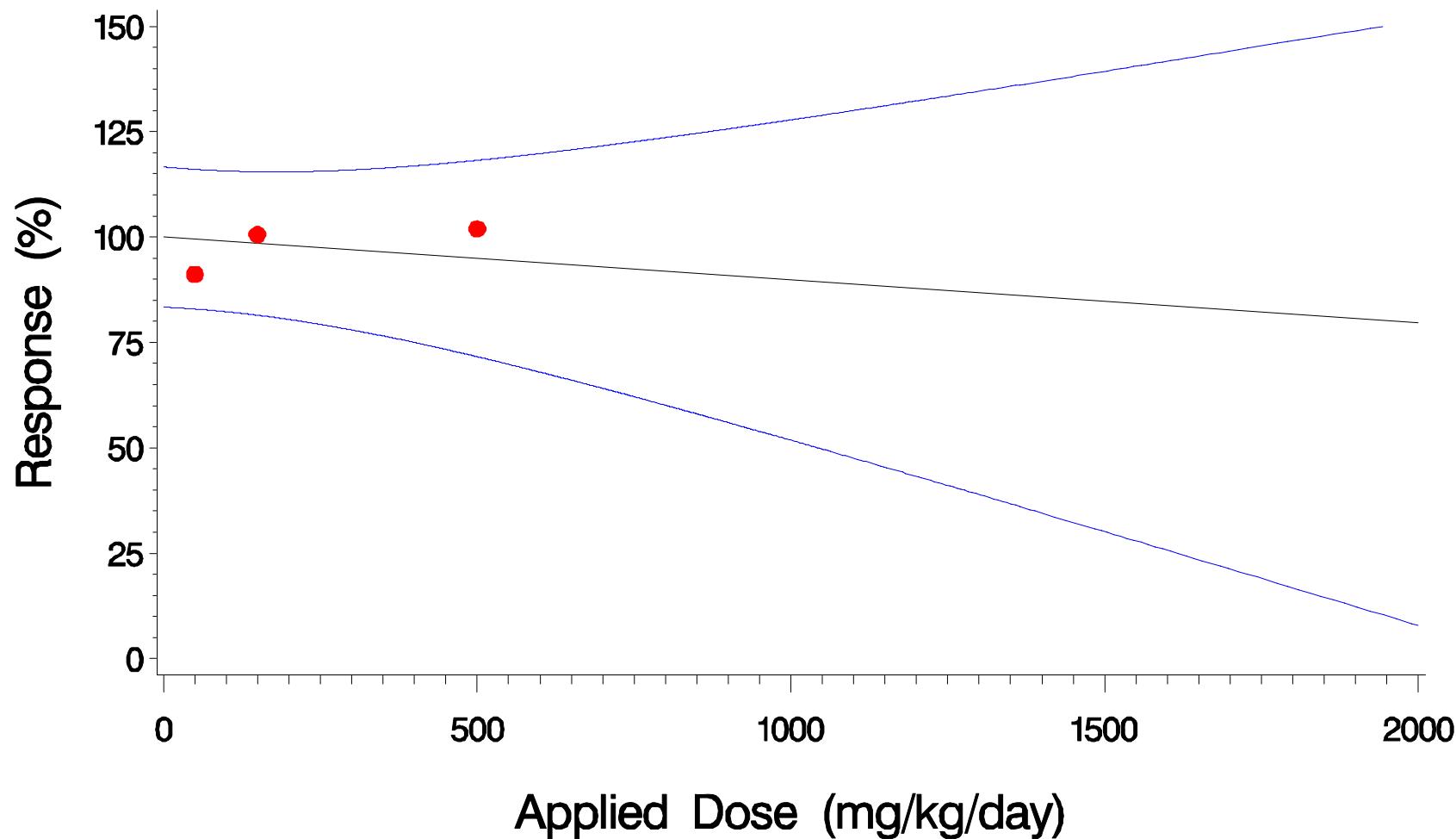
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 200



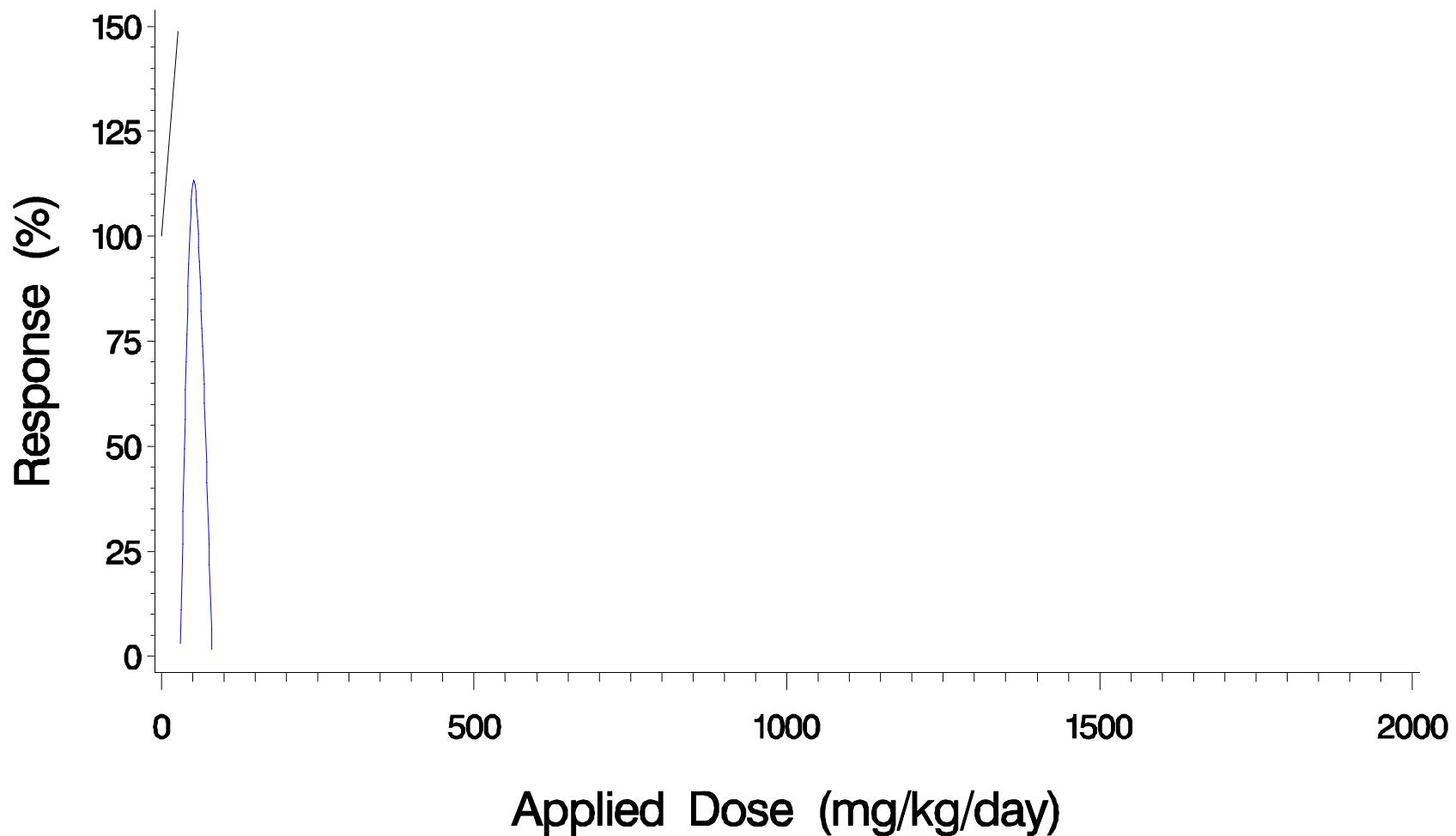
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 201



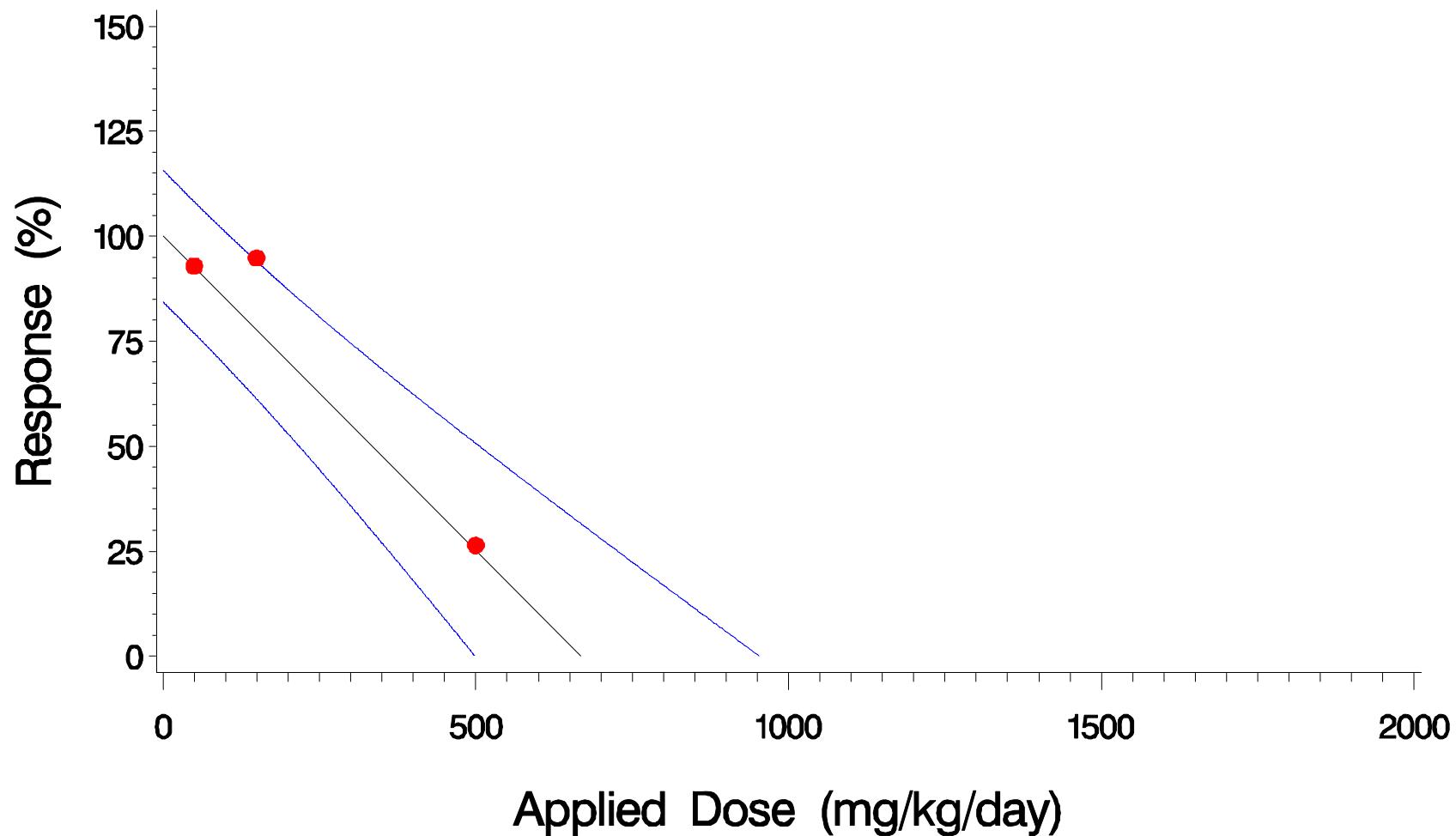
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 215



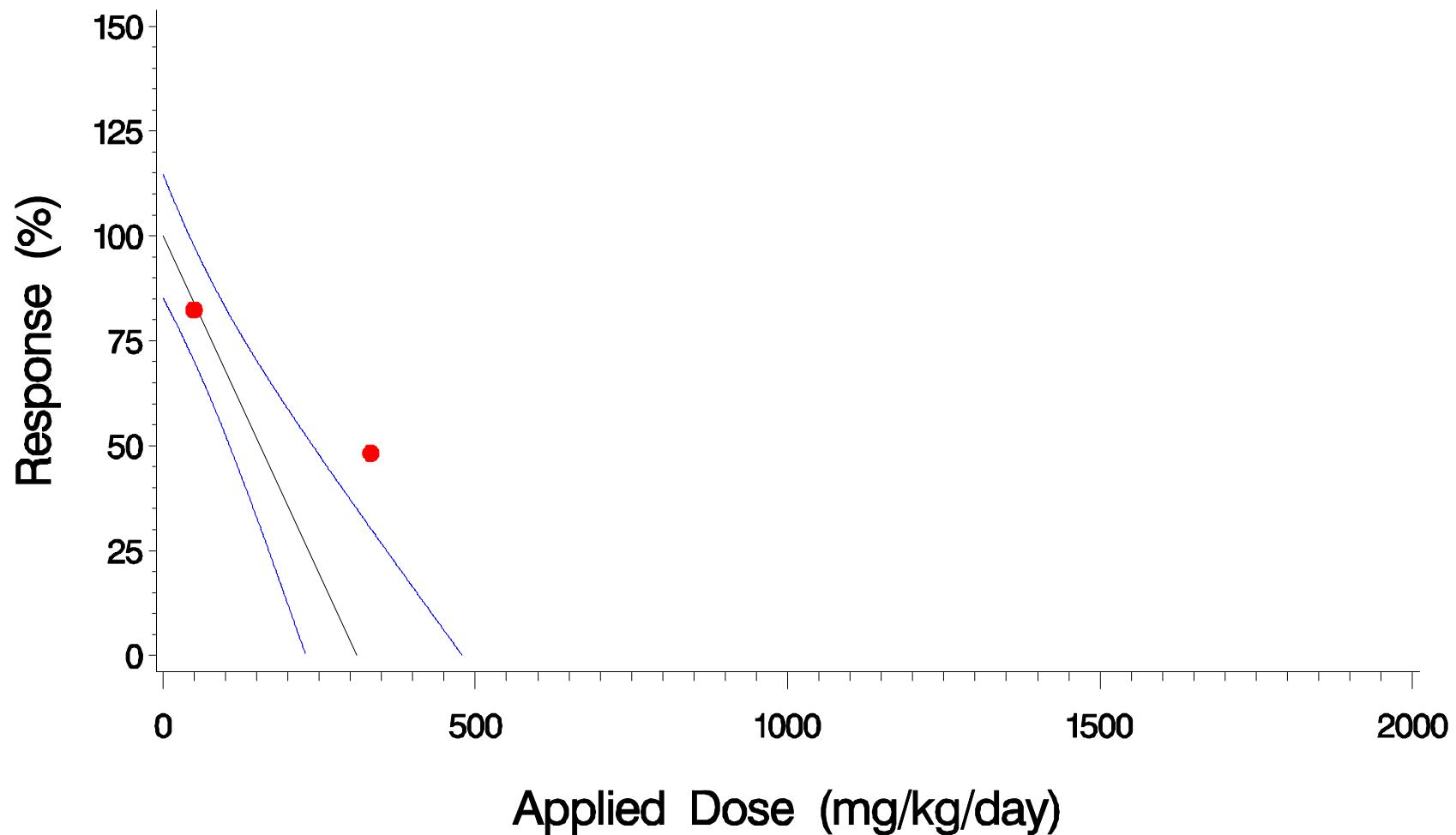
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 222



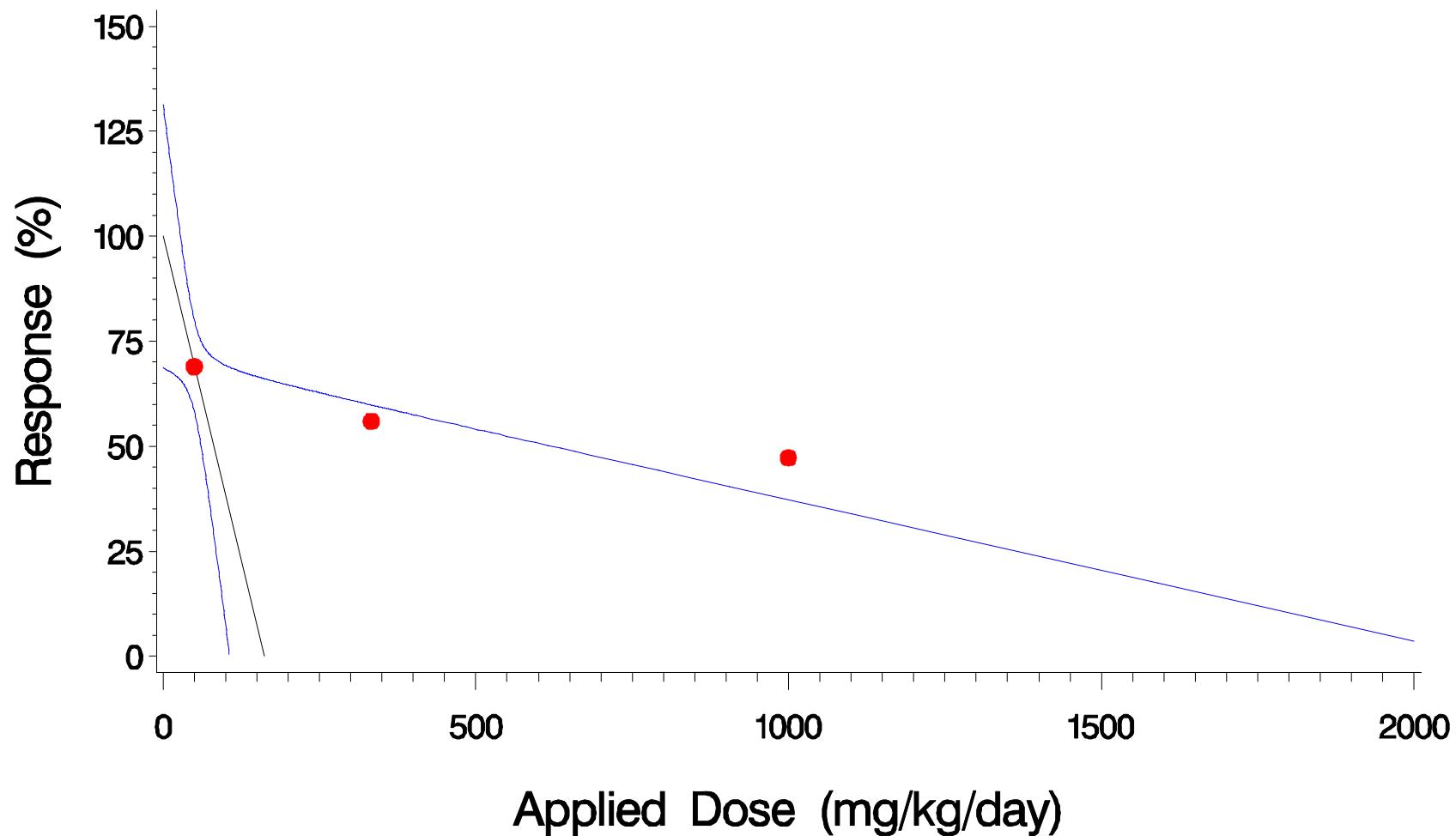
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 225



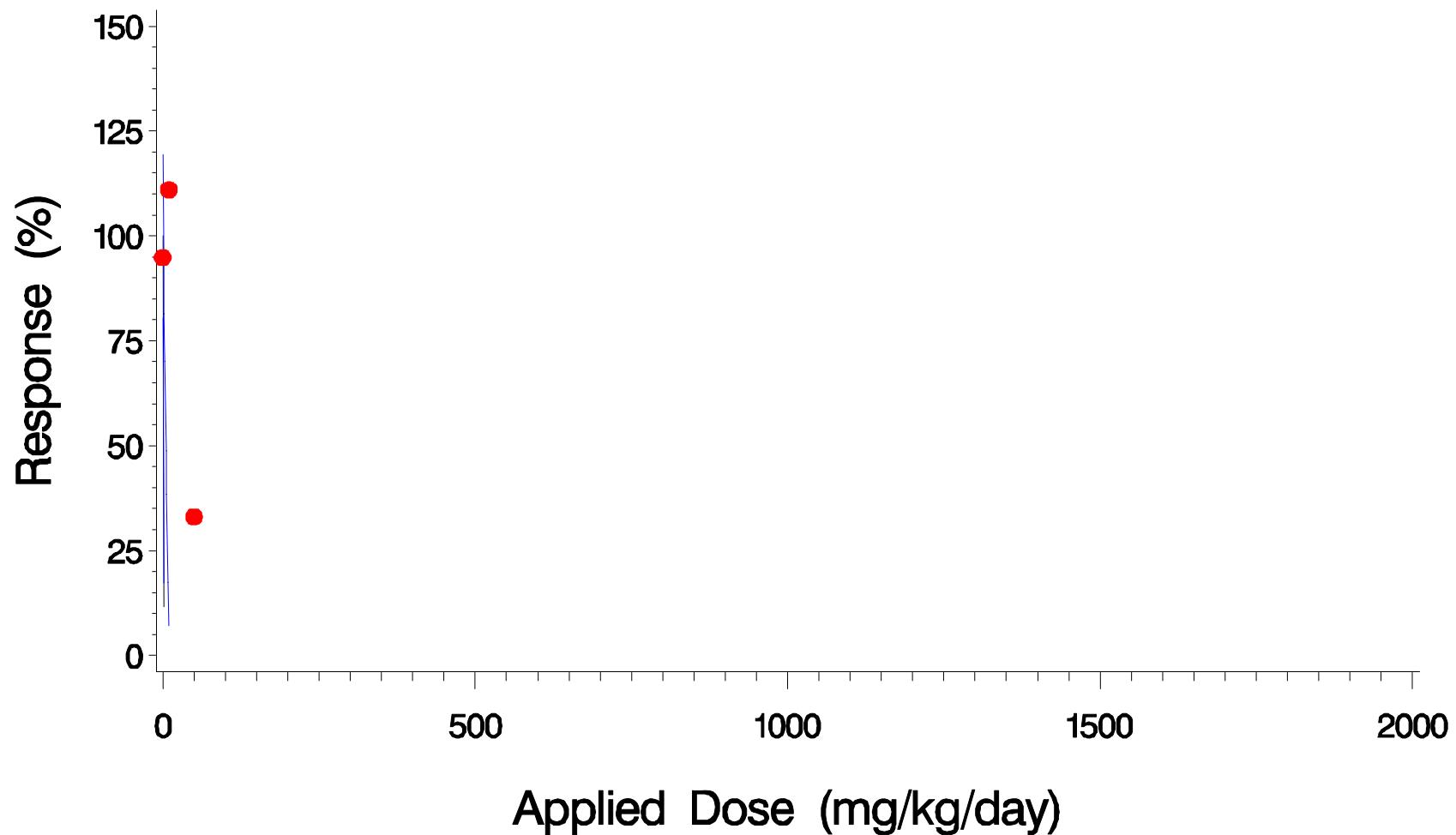
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 227



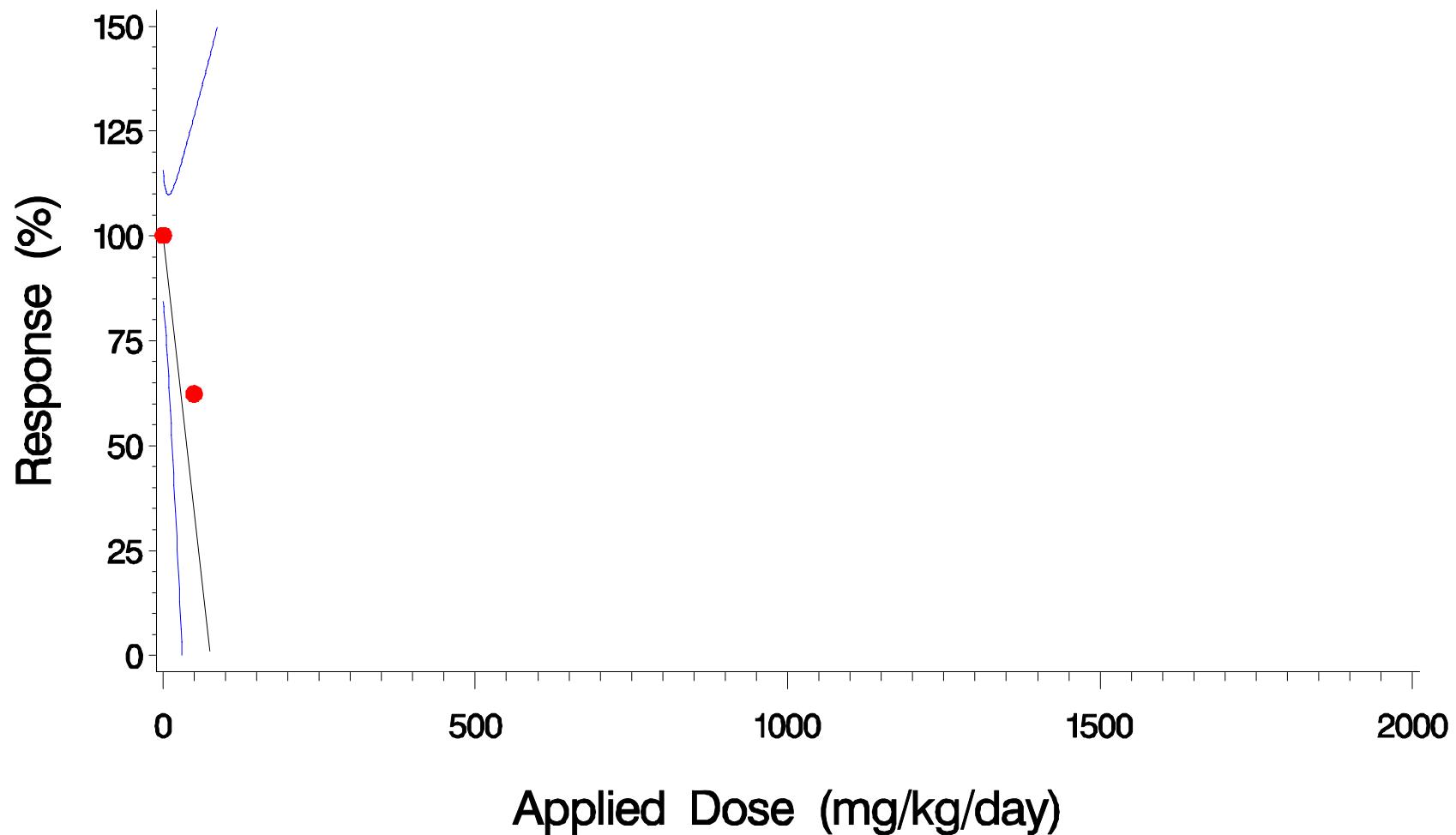
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 228



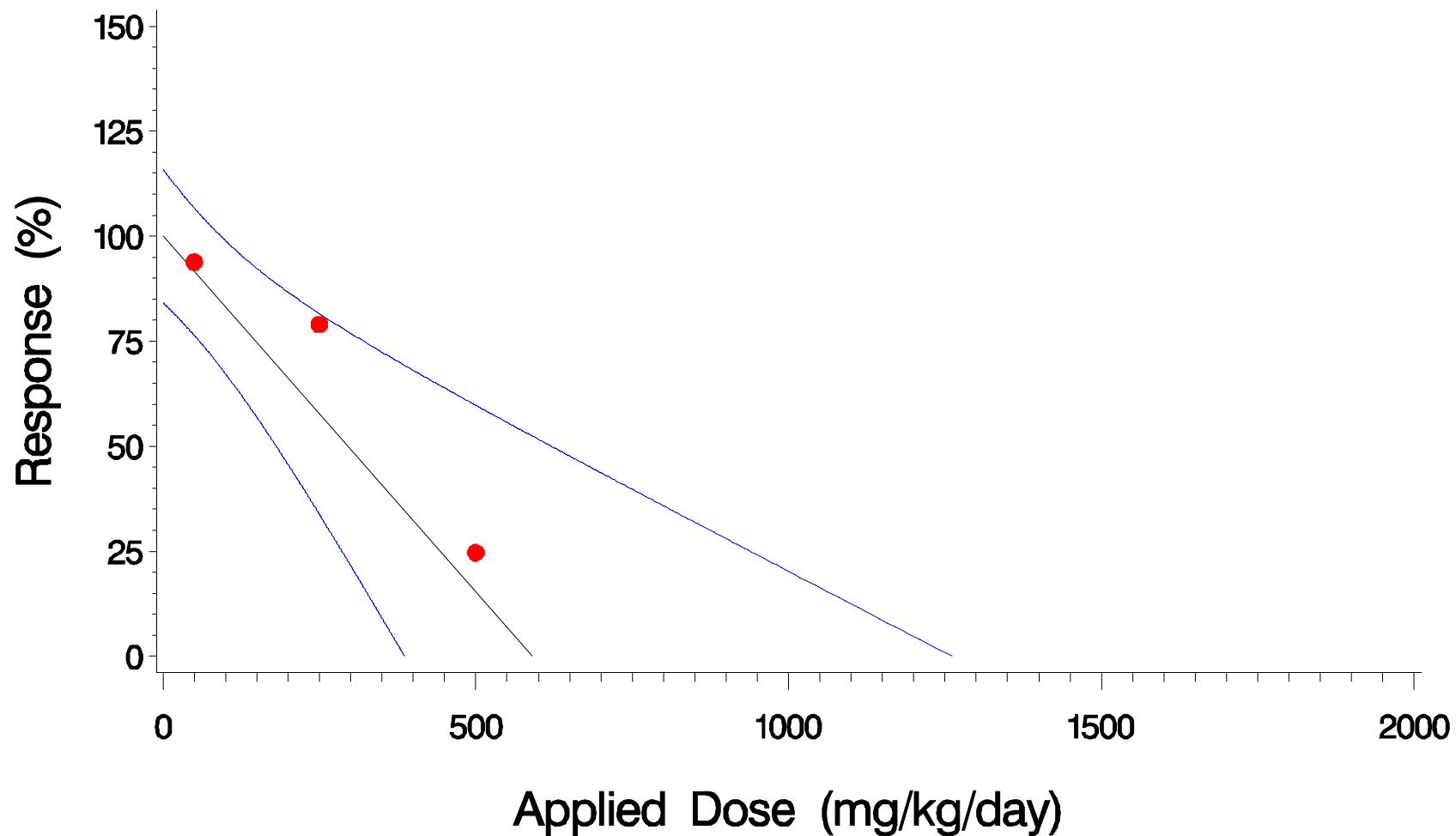
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 229



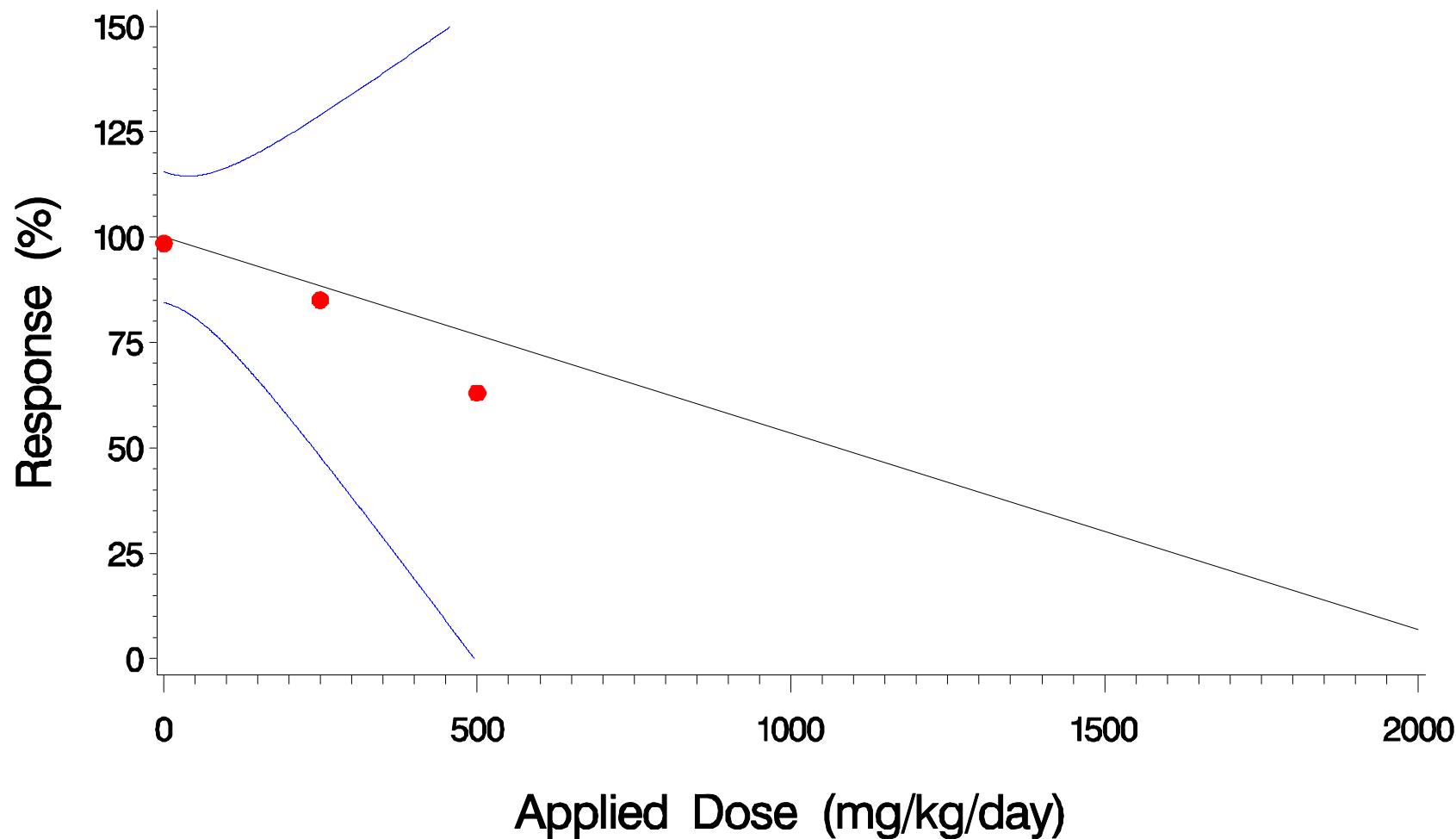
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 274



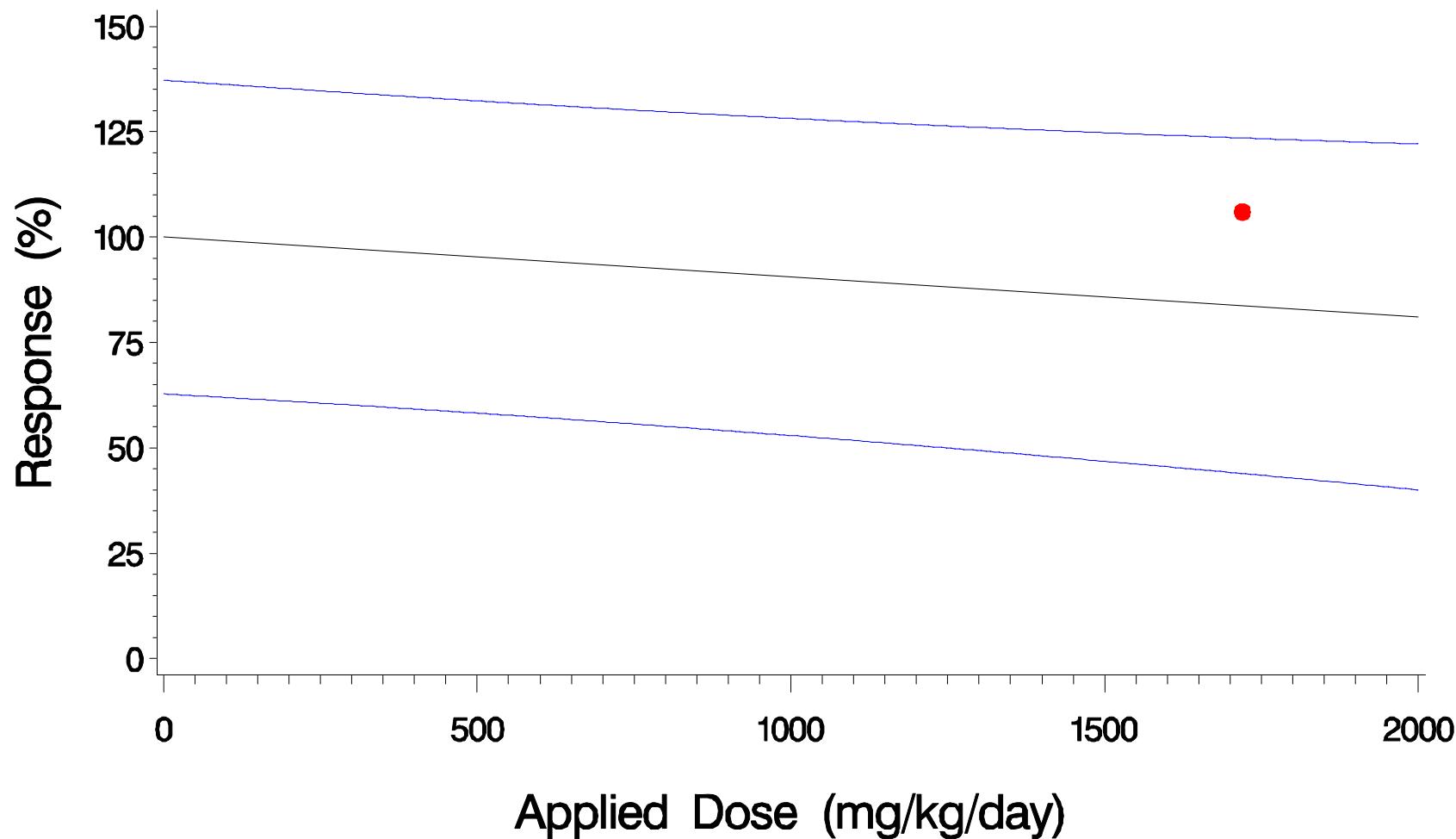
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 275



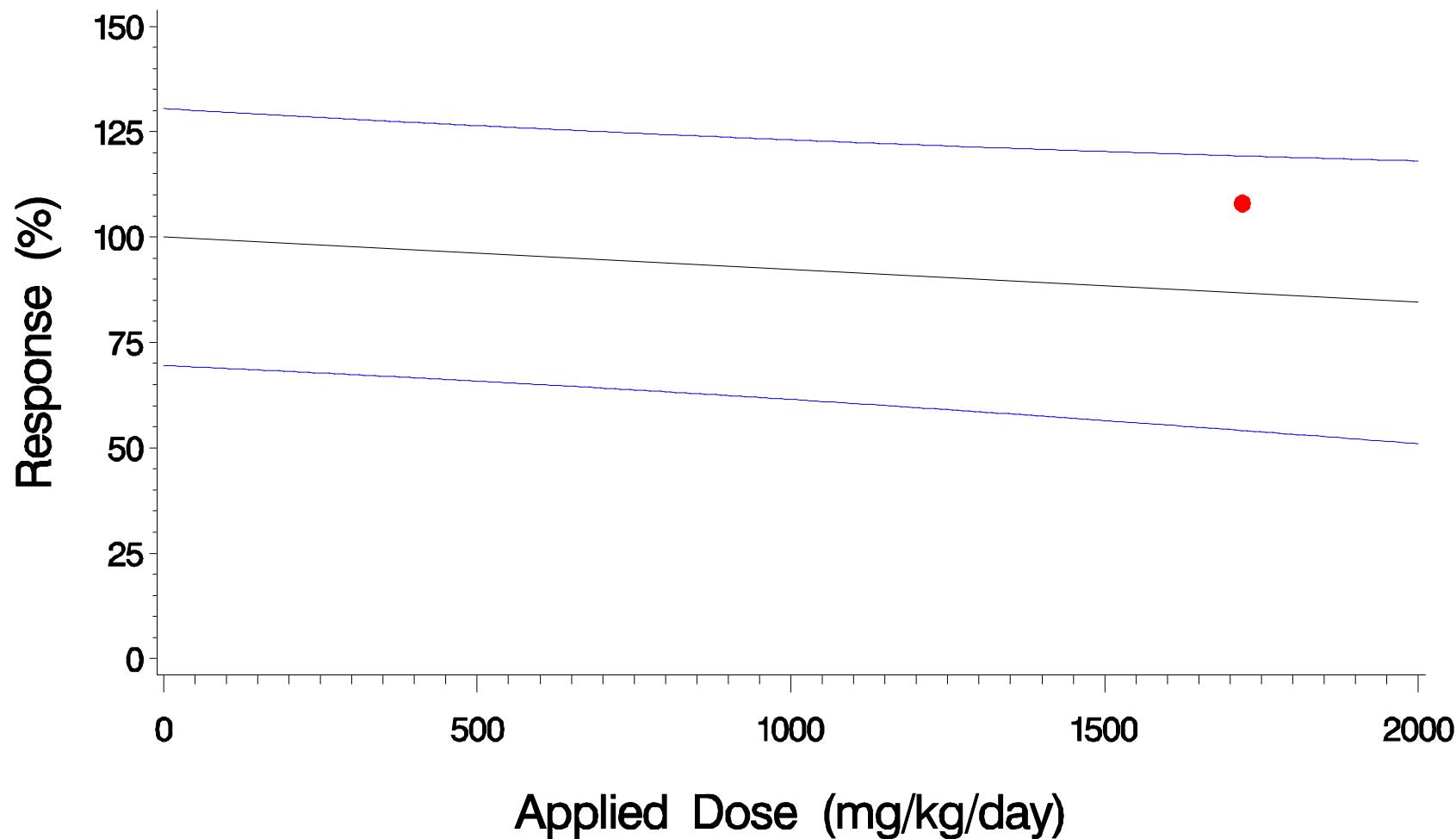
Heavy Fuel Oil
Post-natal Live Litter Size
sample_no = F - 276



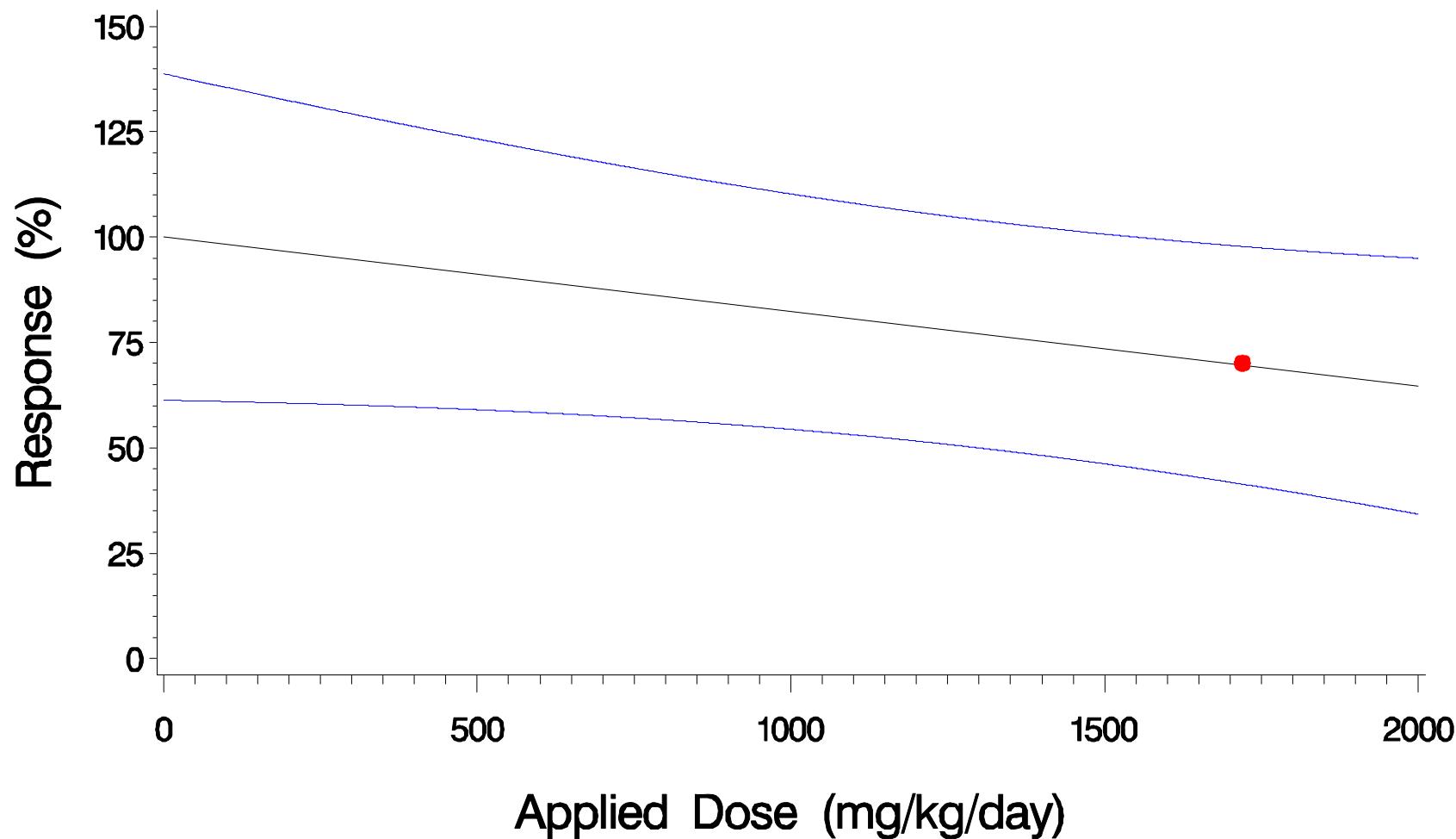
Lubricating Oil
Repeat Dose Thymus Weight
sample_no = 82191 Sex = female



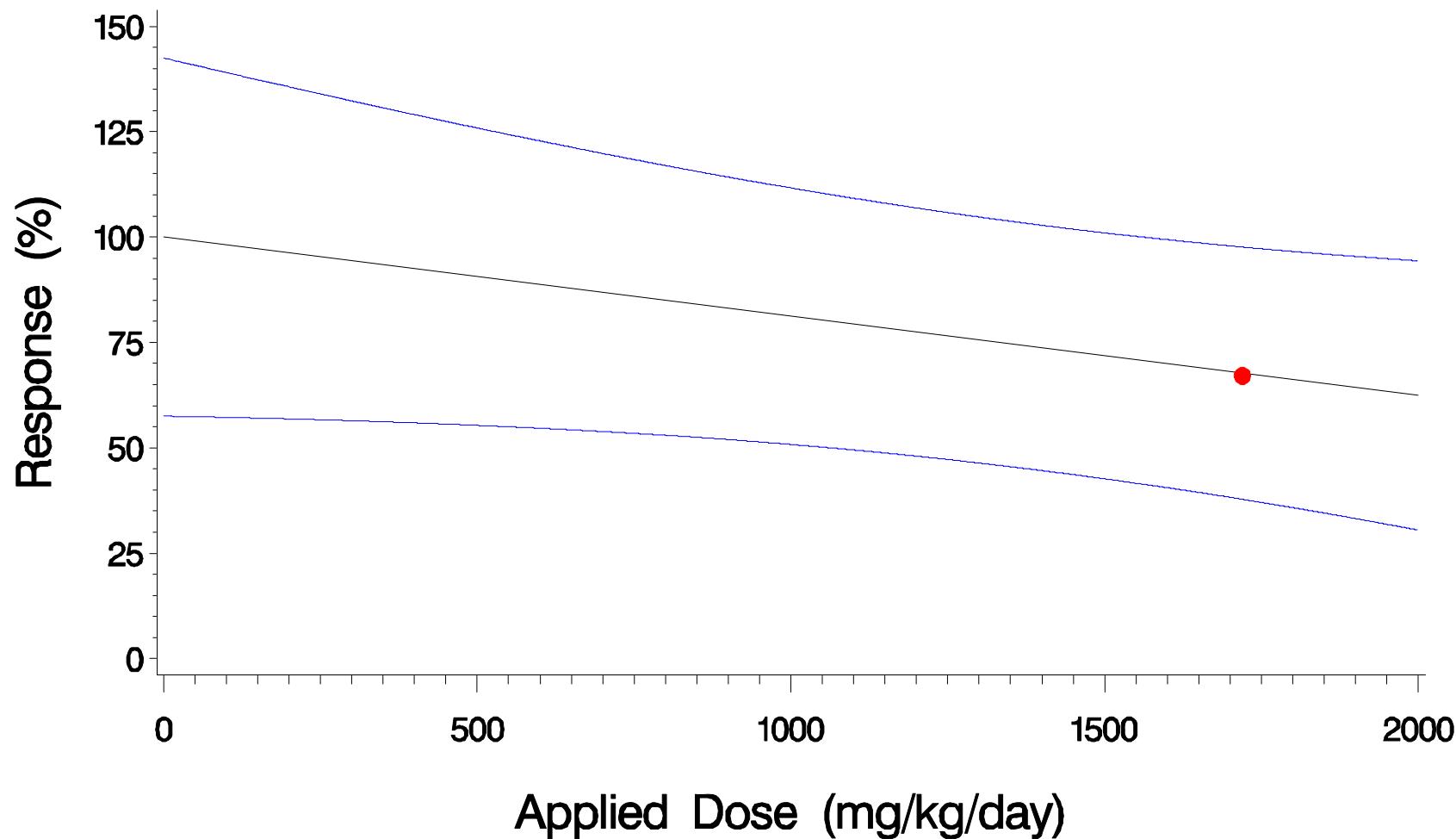
Lubricating Oil
Repeat Dose Thymus Weight
sample_no = 82191 Sex = male



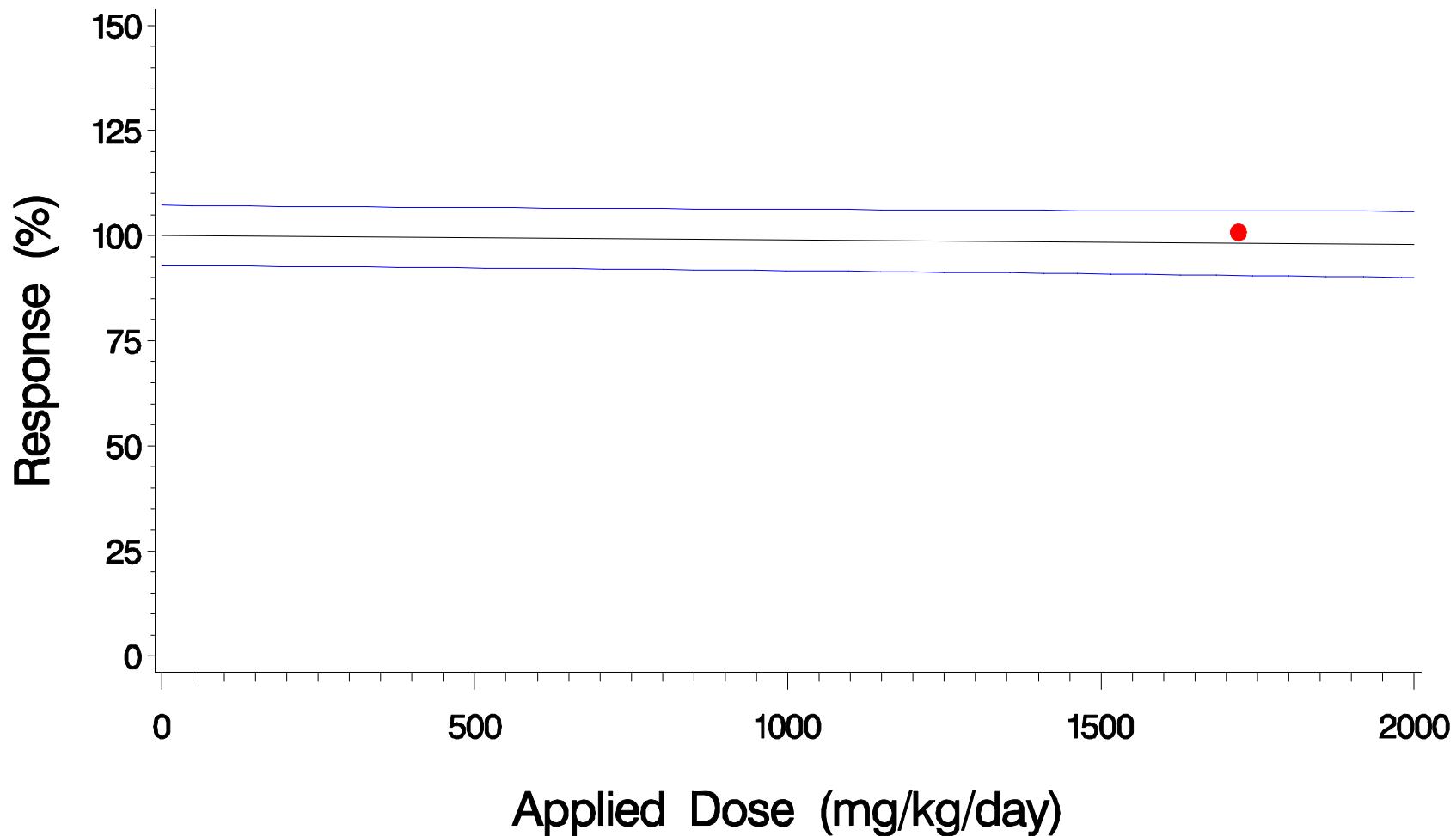
Lubricating Oil
Repeat Dose Platelet Count
sample_no = 82191 Sex = female



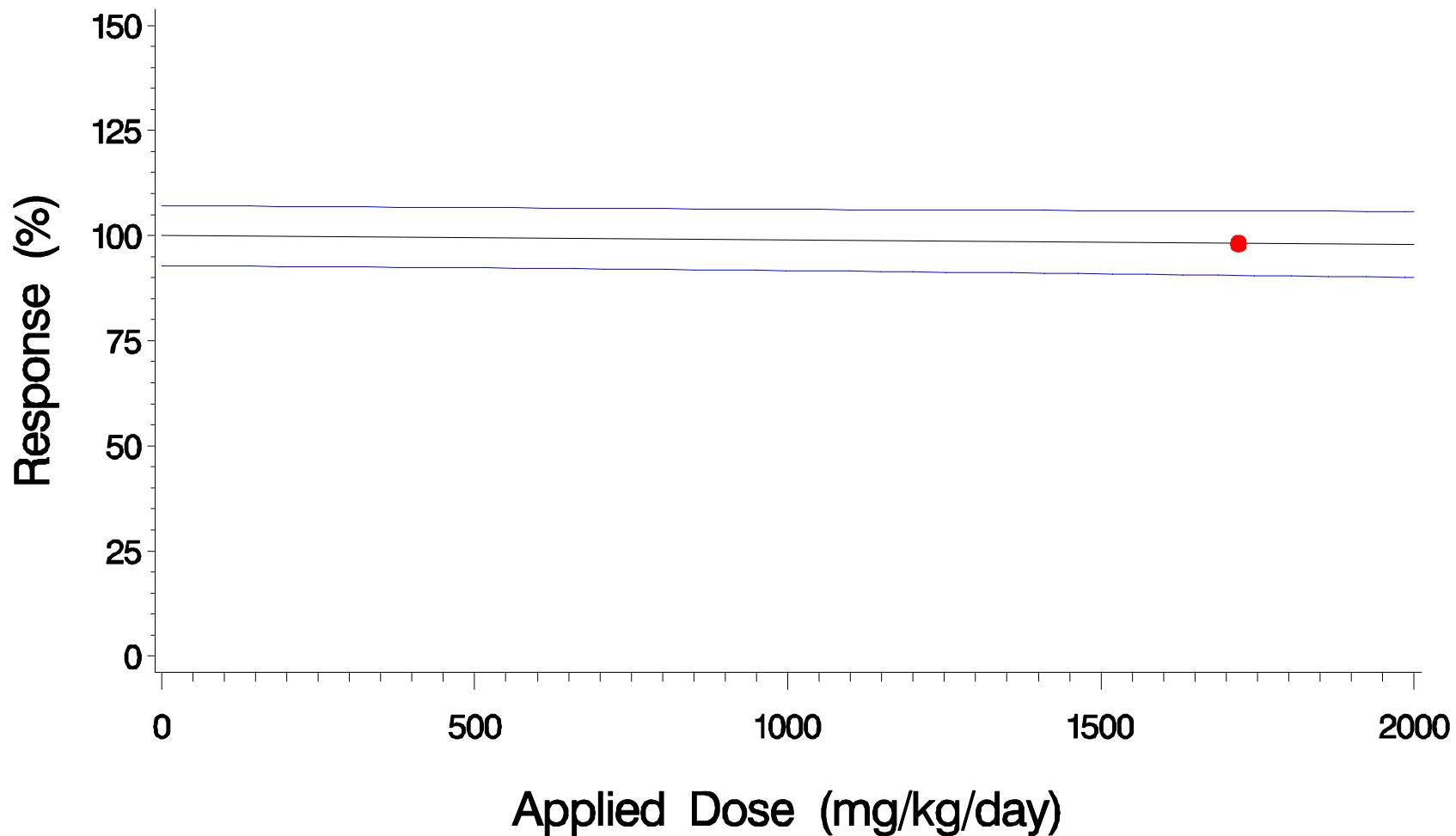
Lubricating Oil
Repeat Dose Platelet Count
sample_no = 82191 Sex = male



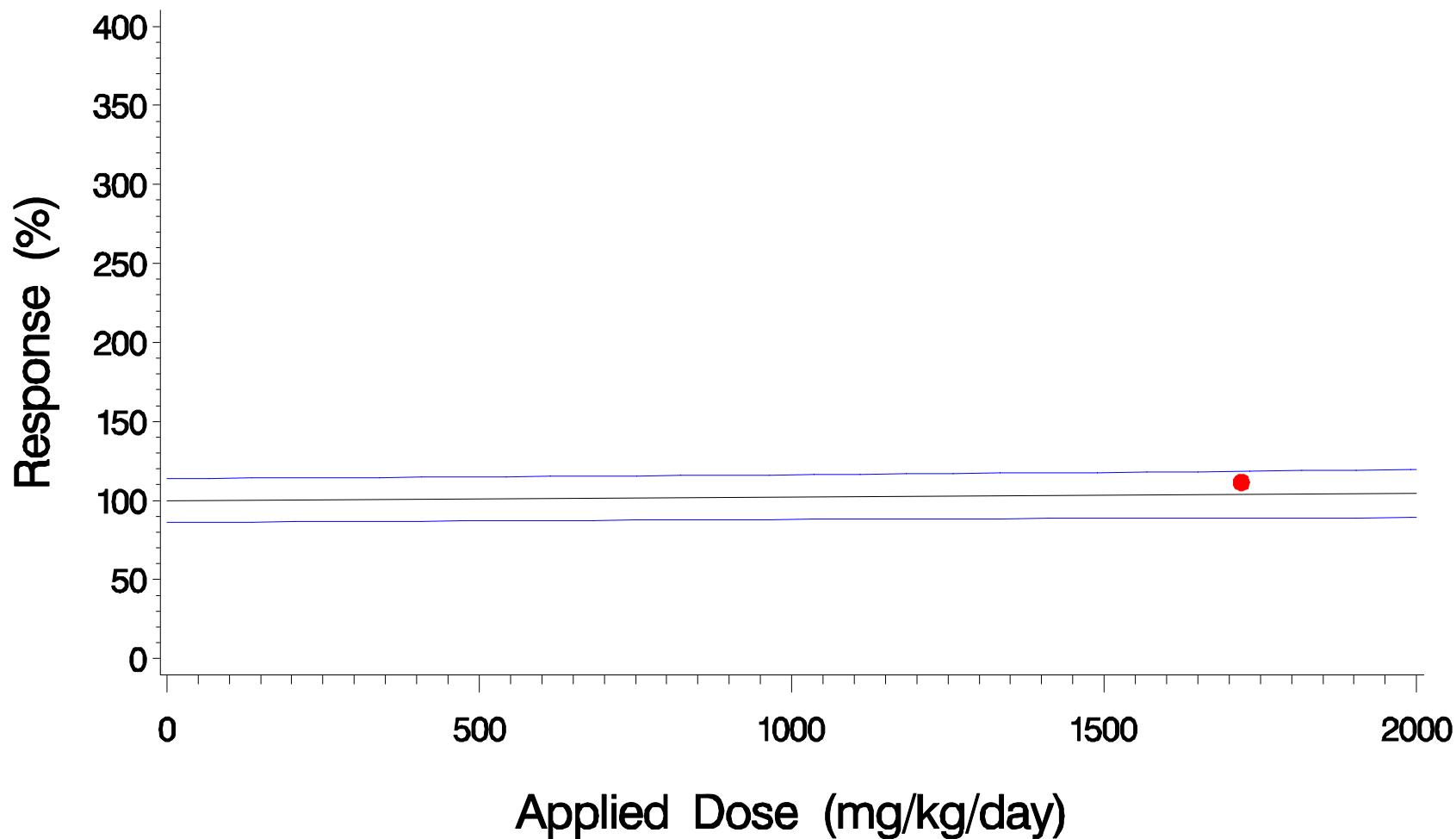
Lubricating Oil
Repeat Dose Hemoglobin Concentration
sample_no = 82191 Sex = female



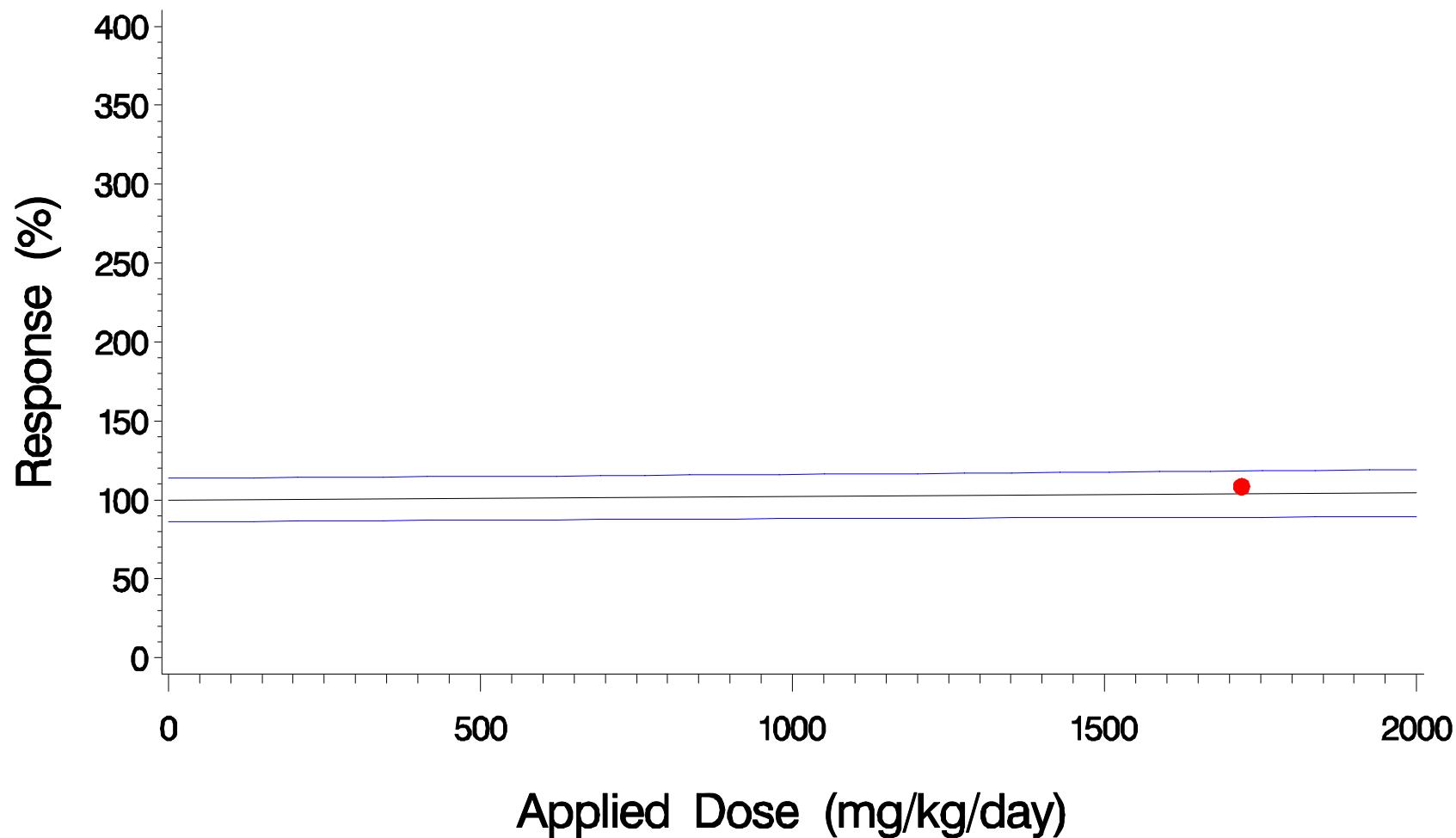
Lubricating Oil
Repeat Dose Hemoglobin Concentration
sample_no = 82191 Sex = male



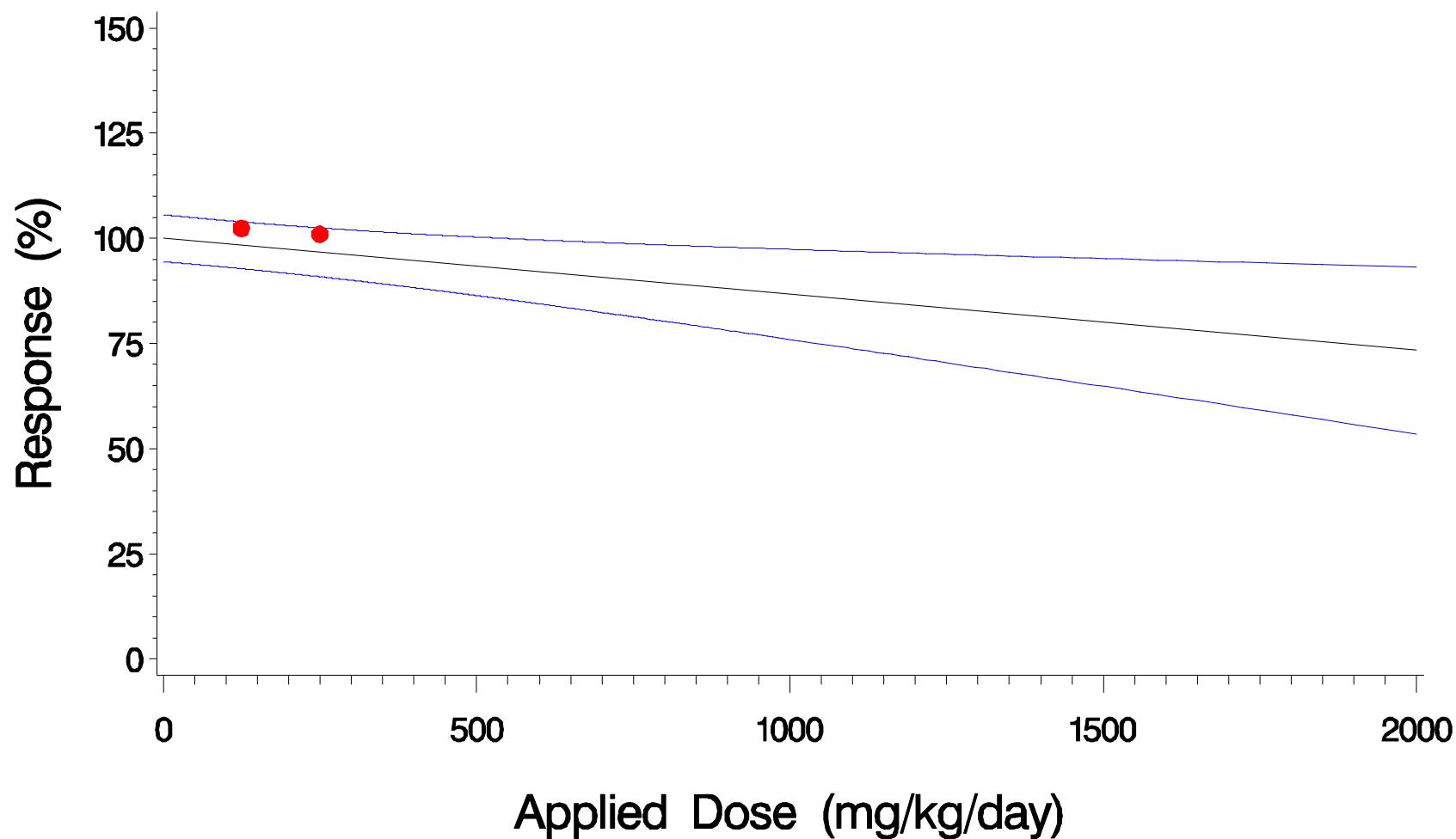
Lubricating Oil
Repeat Dose Liver to BW Ratio
sample_no = 82191 Sex = female



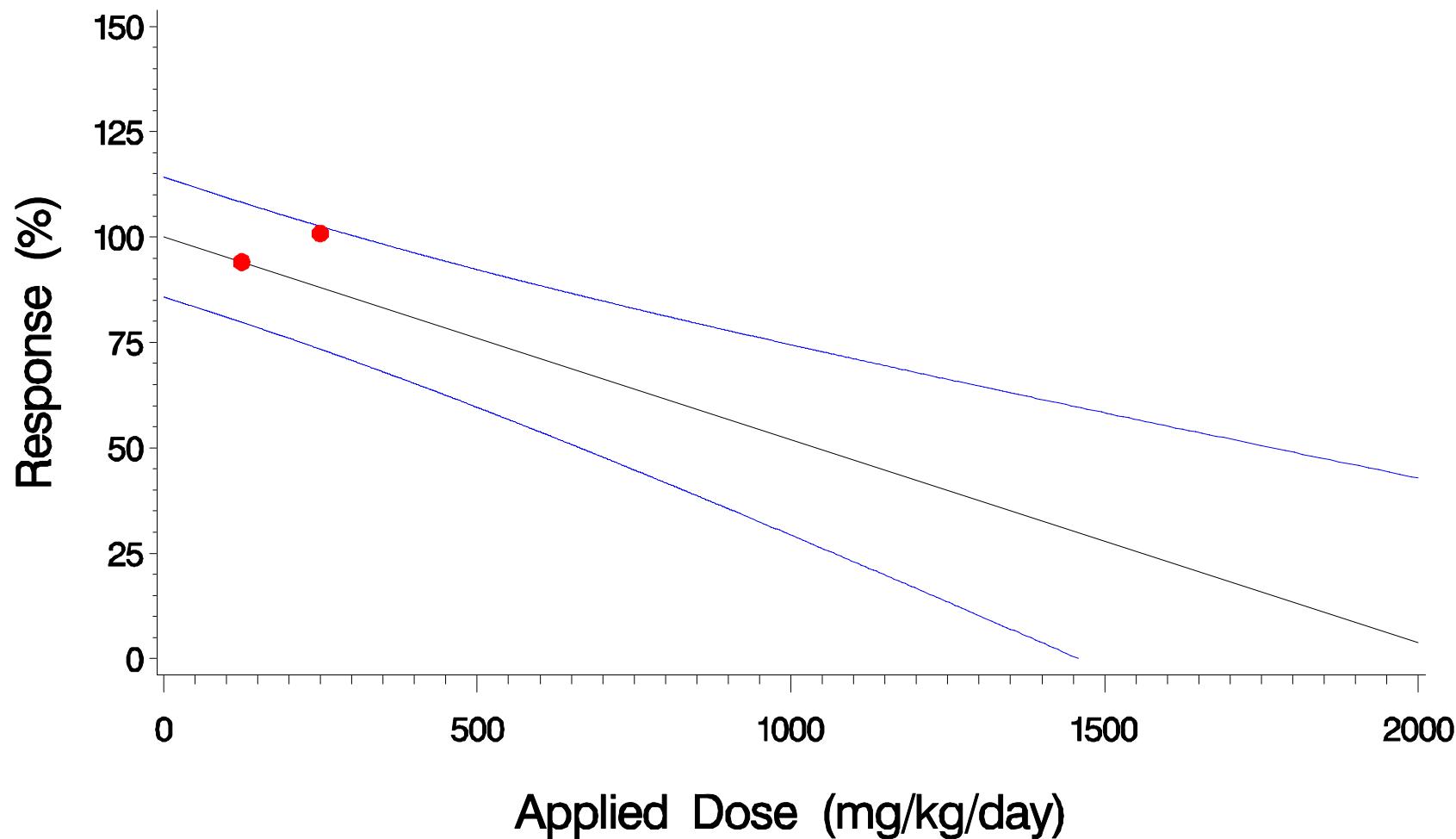
Lubricating Oil
Repeat Dose Liver to BW Ratio
sample_no = 82191 Sex = male



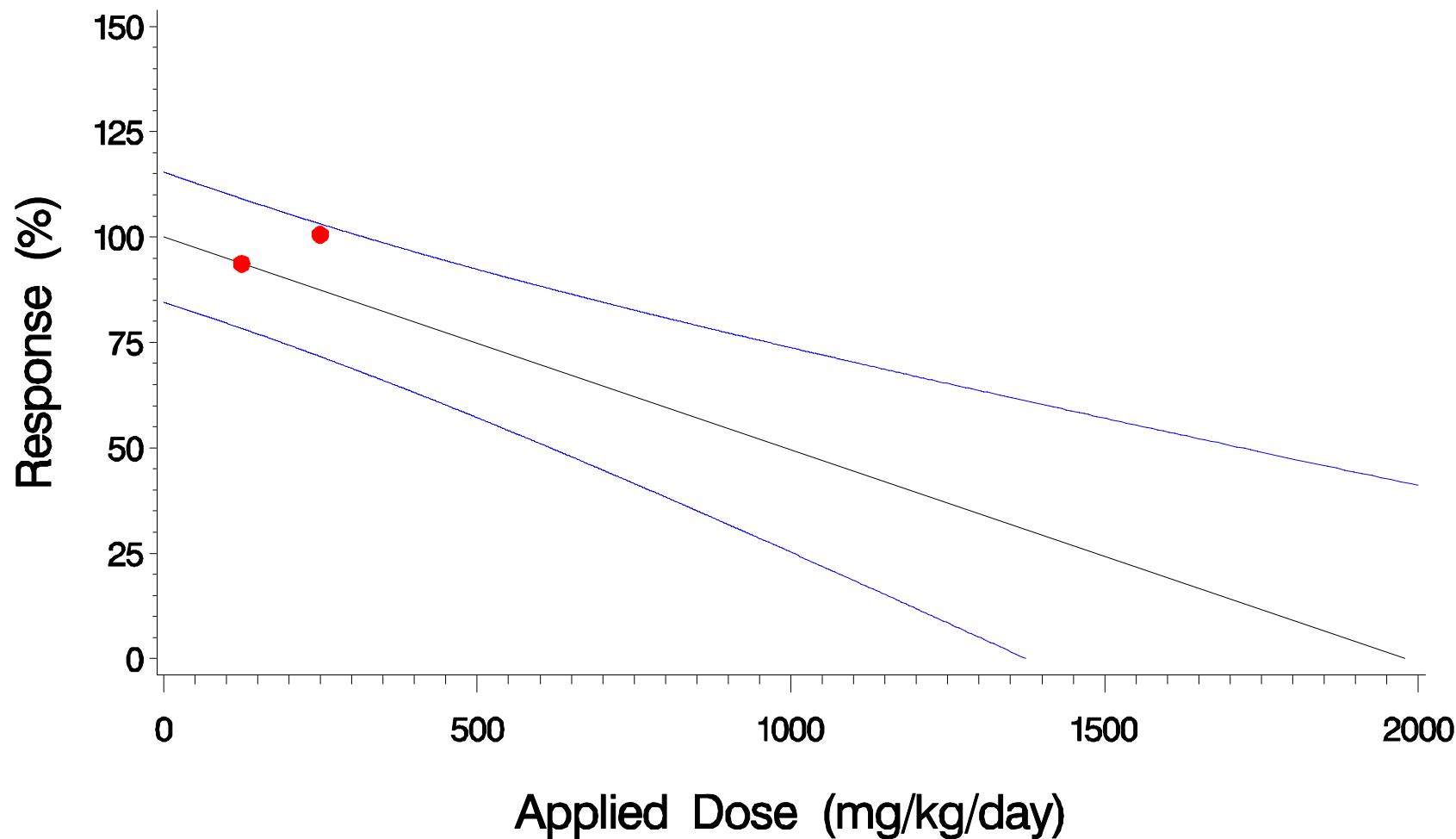
Lubricating Oil
Post-natal Pup Weight
sample_no = F - 220



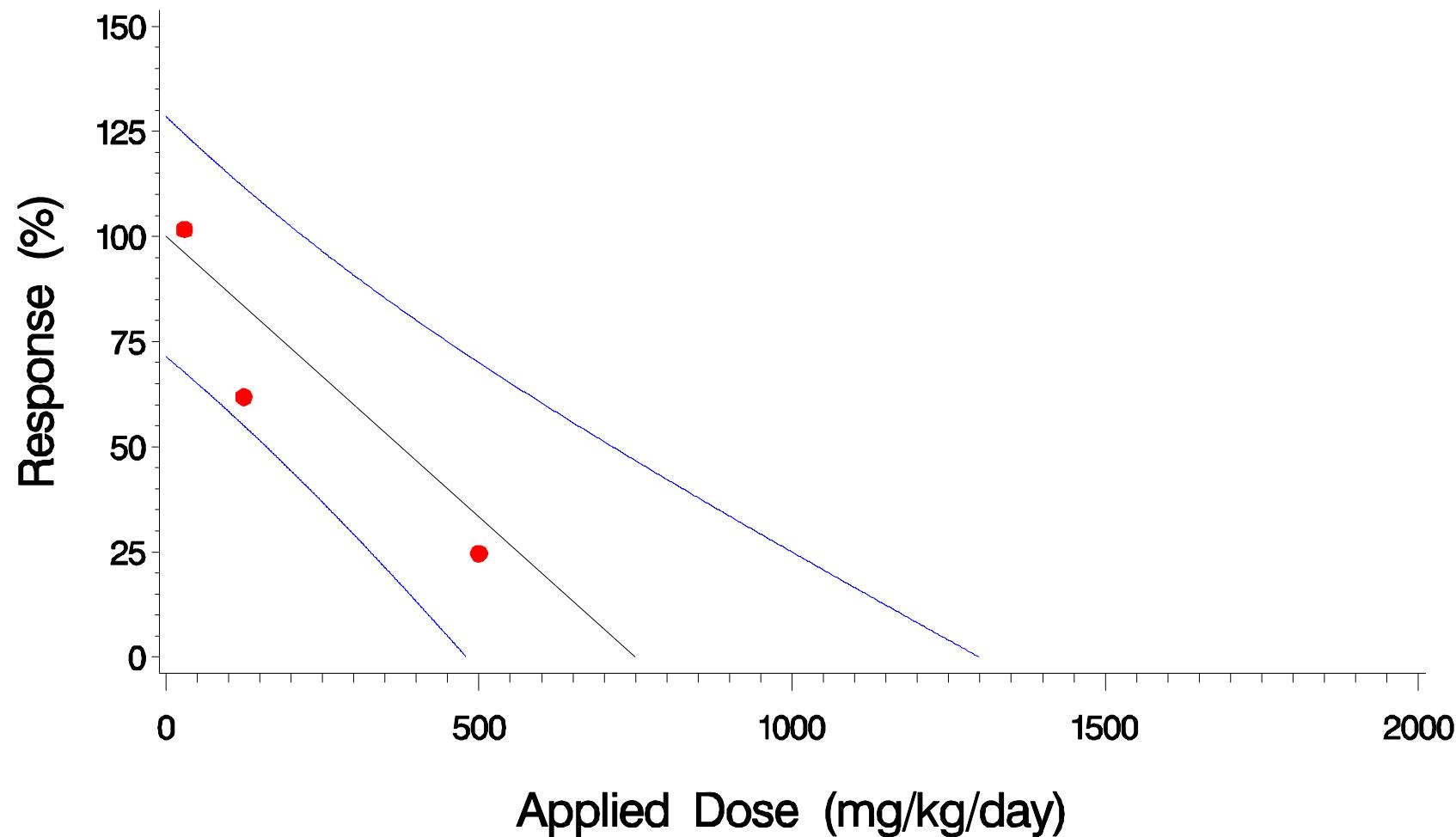
Lubricating Oil
Post-natal Total Litter Size
sample_no = F - 220



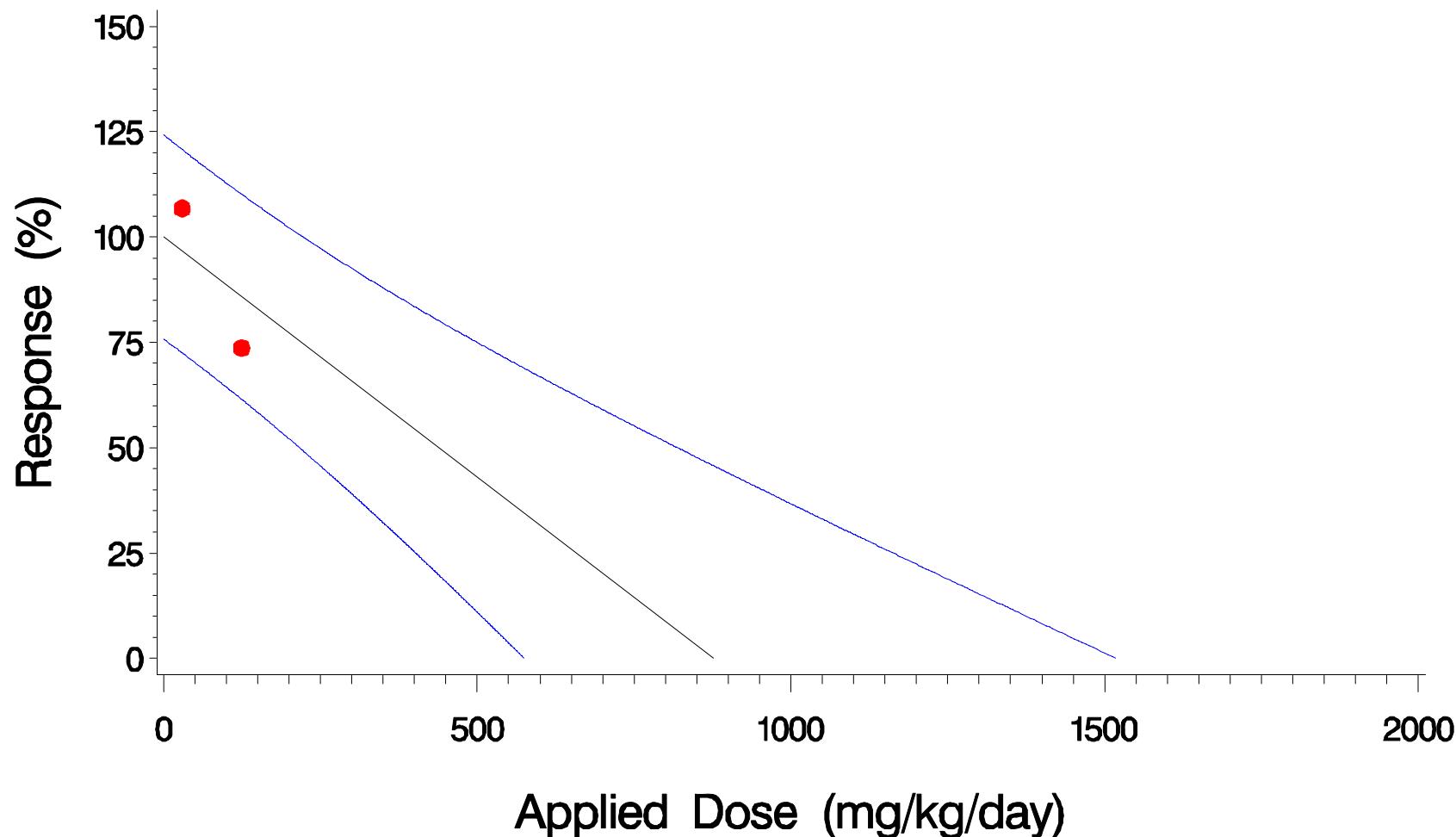
Lubricating Oil
Post-natal Live Litter Size
sample_no = F - 220



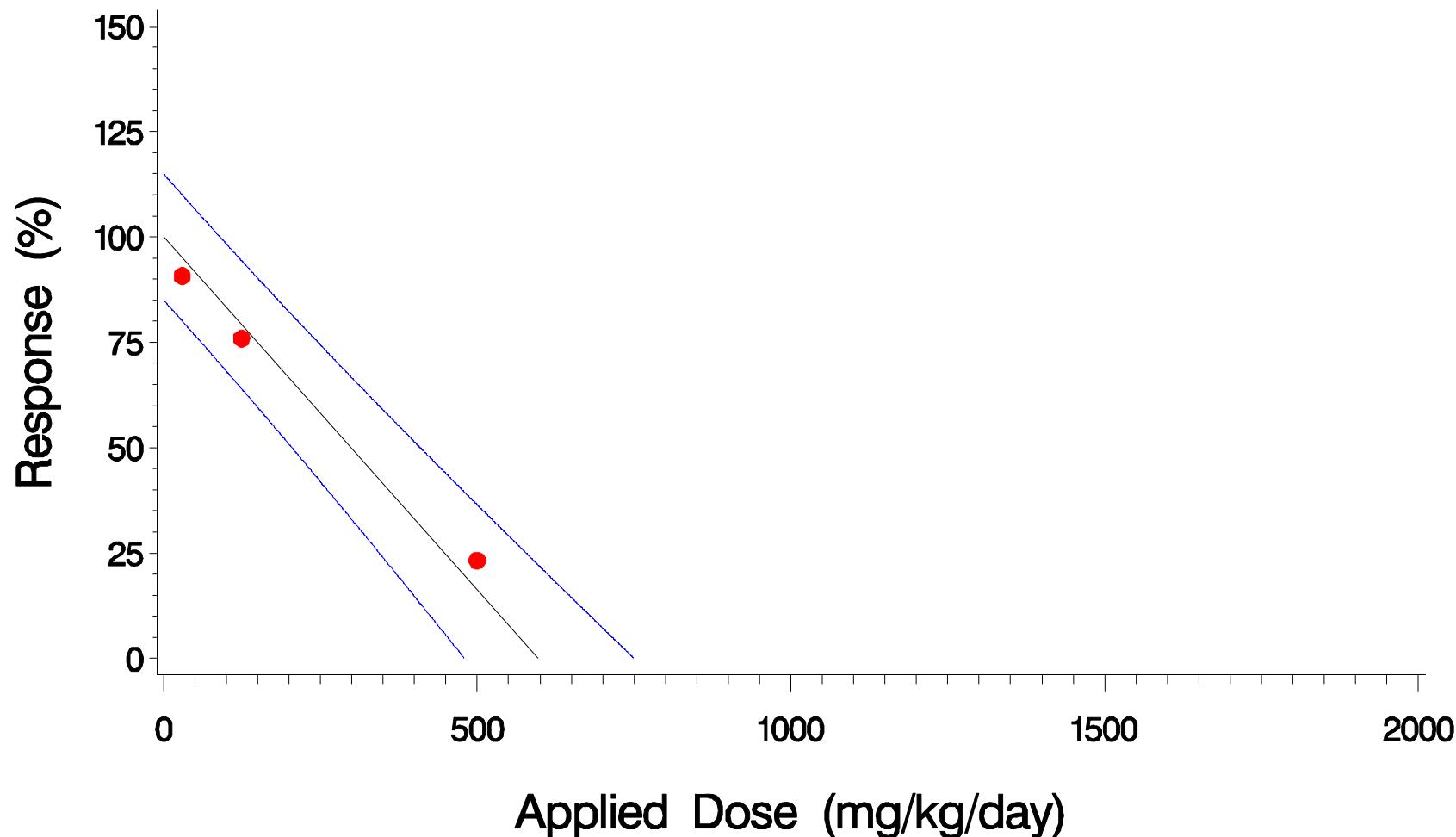
Aromatic Extract
Repeat Dose Thymus Weight
sample_no=86187 Sex=female



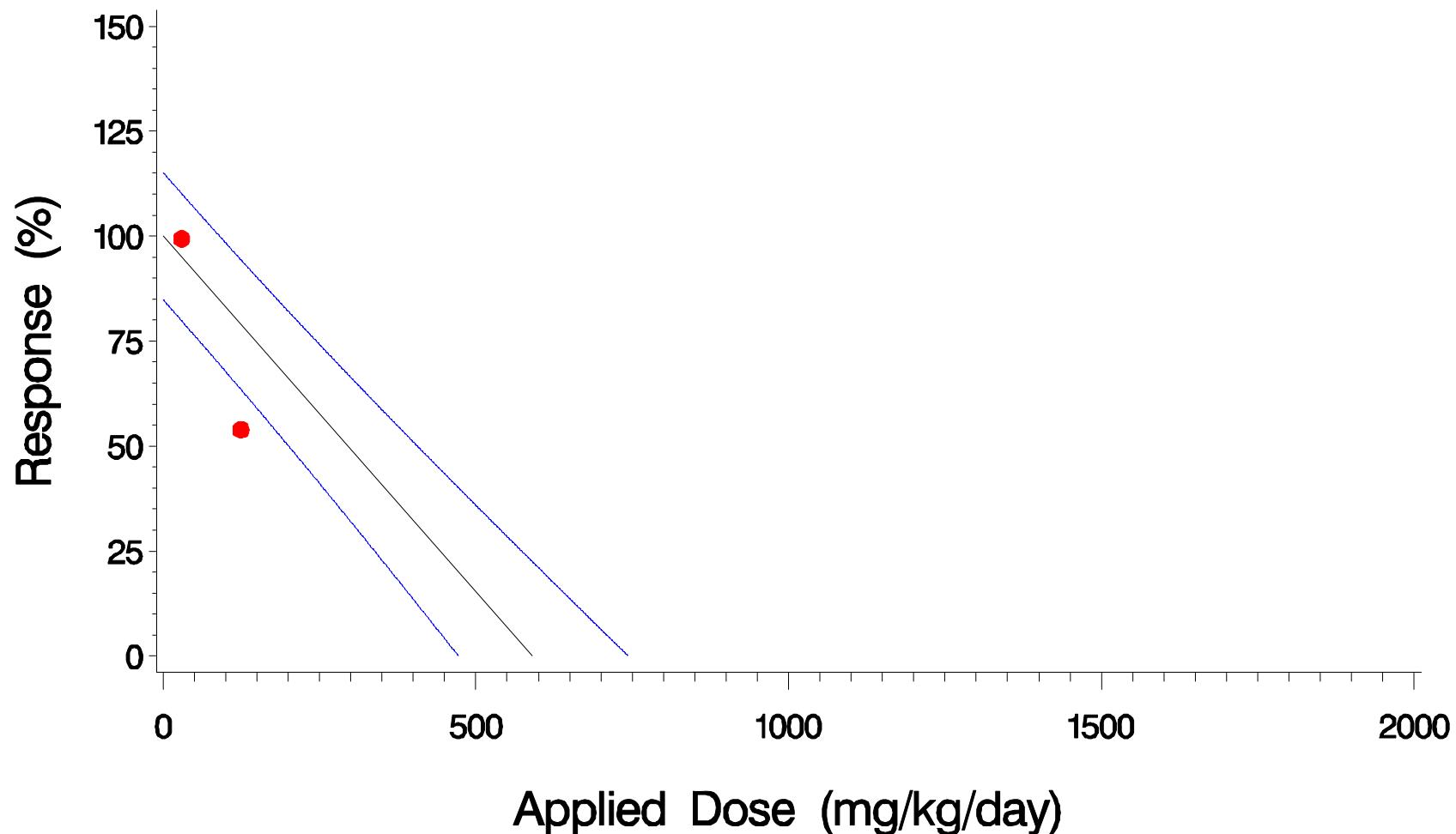
Aromatic Extract
Repeat Dose Thymus Weight
sample_no = 86187 Sex = male



Aromatic Extract
Repeat Dose Platelet Count
sample_no = 86187 Sex = female



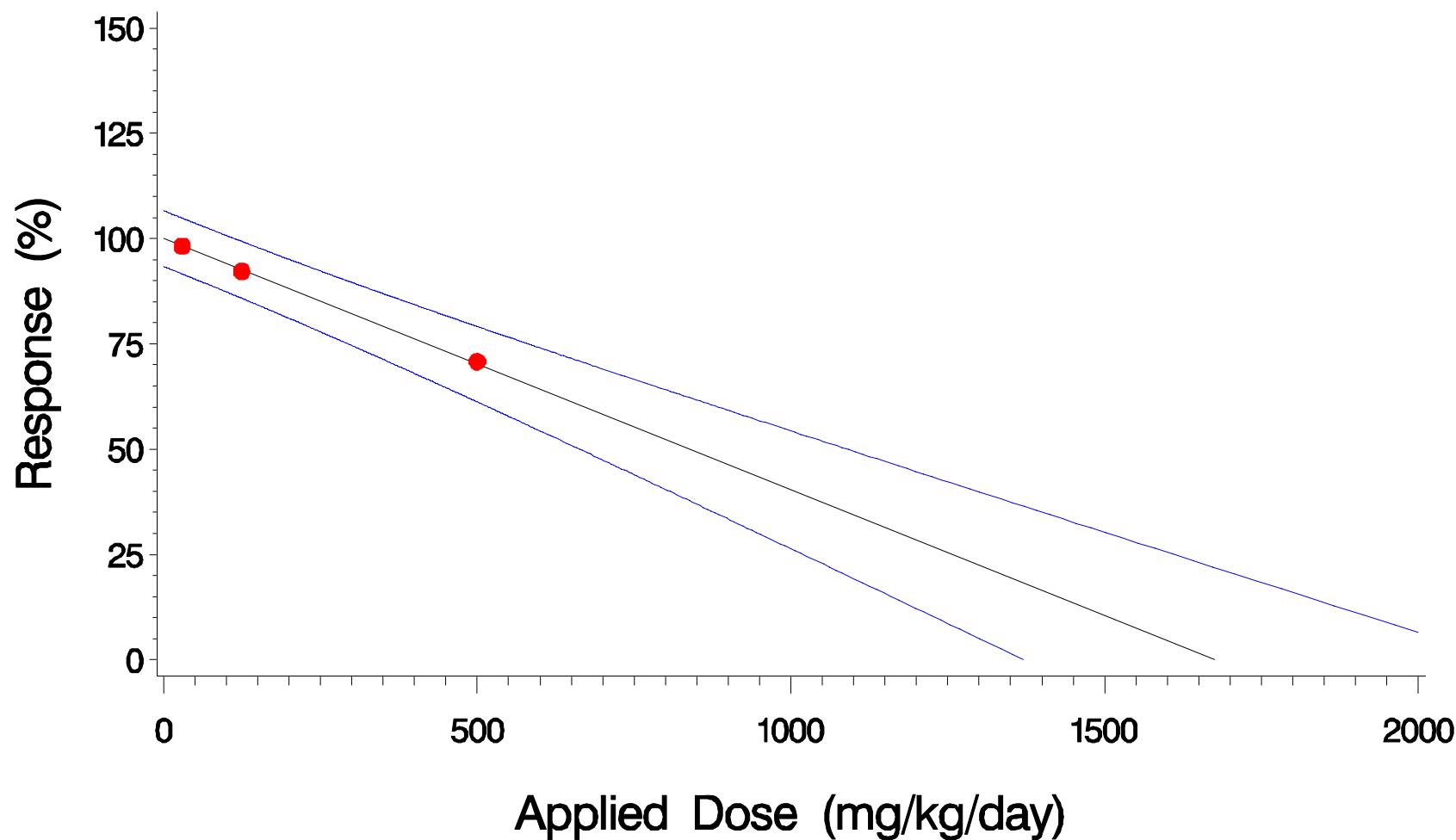
Aromatic Extract
Repeat Dose Platelet Count
sample_no = 86187 Sex = male



Aromatic Extract

Repeat Dose Hemoglobin Concentration

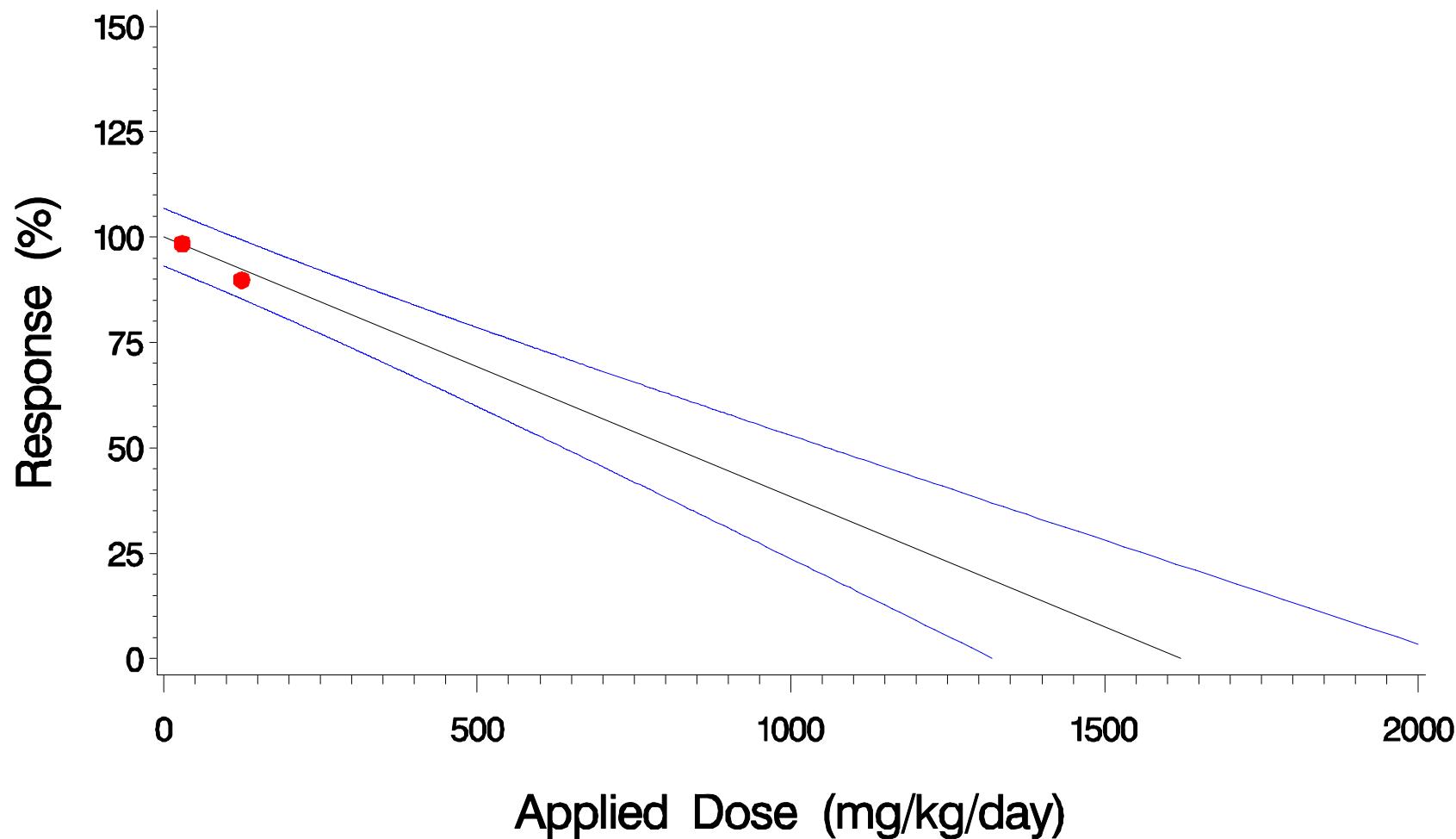
sample_no = 86187 Sex = female



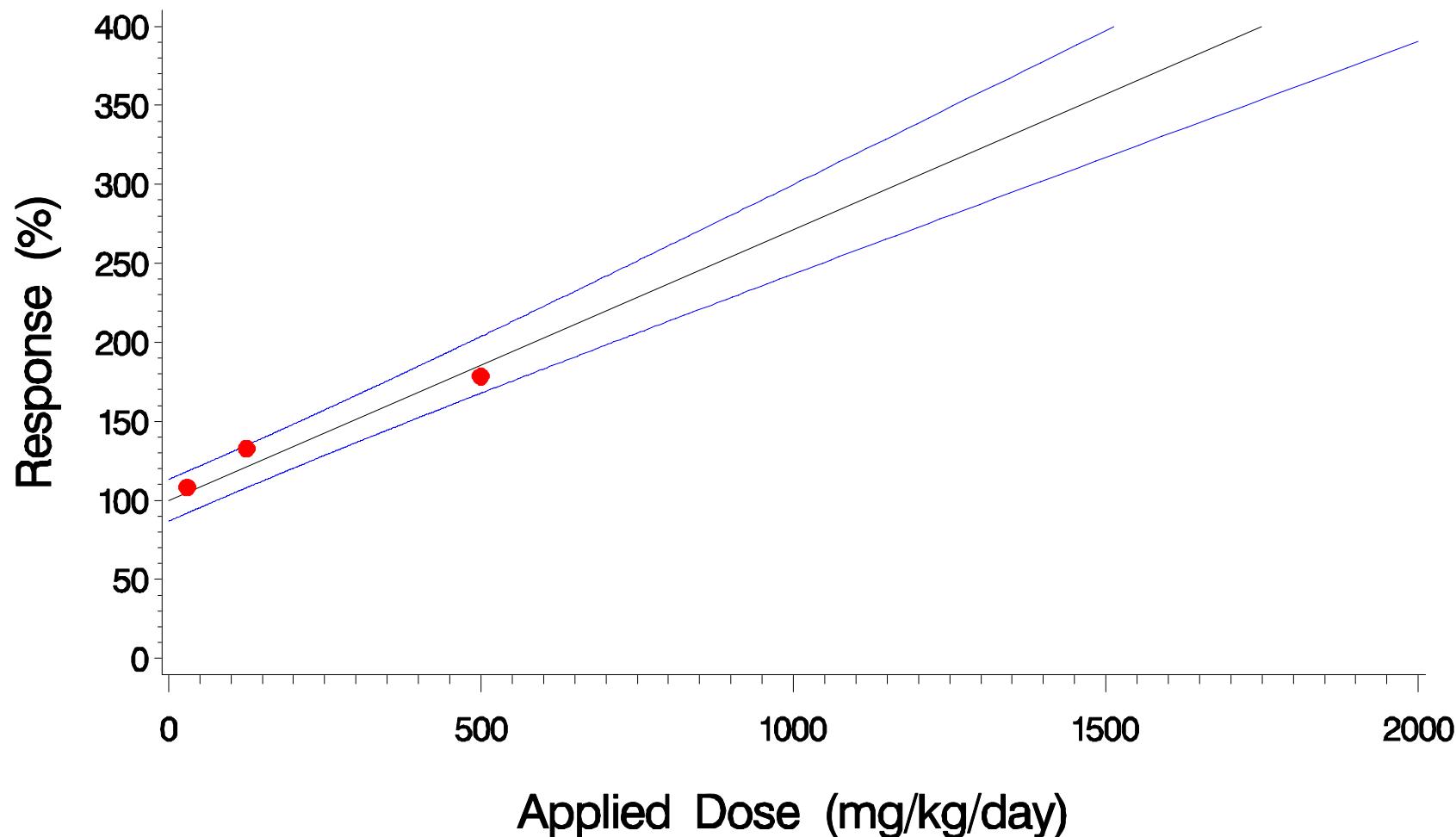
Aromatic Extract

Repeat Dose Hemoglobin Concentration

sample_no = 86187 Sex = male



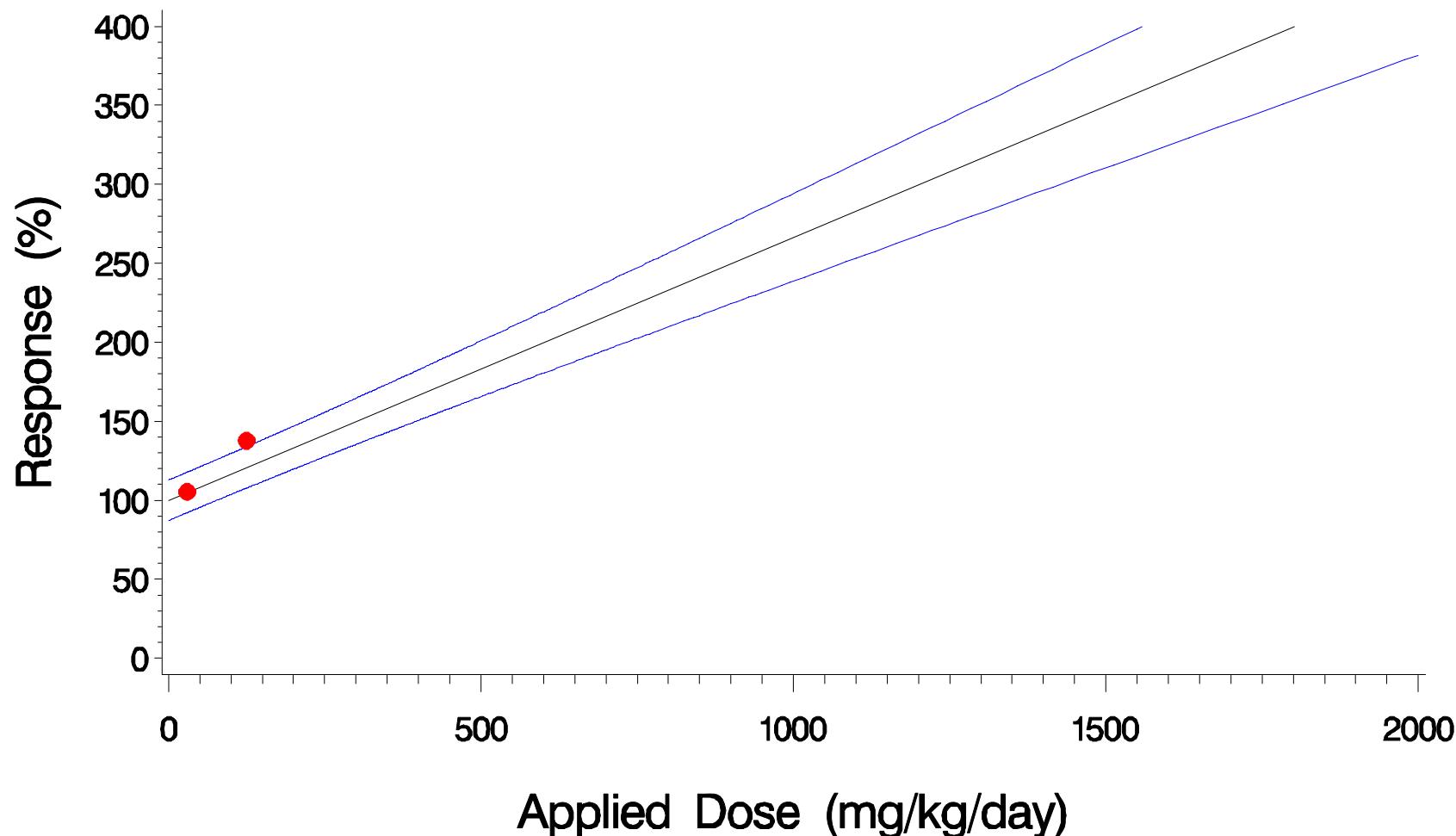
Aromatic Extract
Repeat Dose Liver to BW Ratio
sample_no = 86187 Sex = female



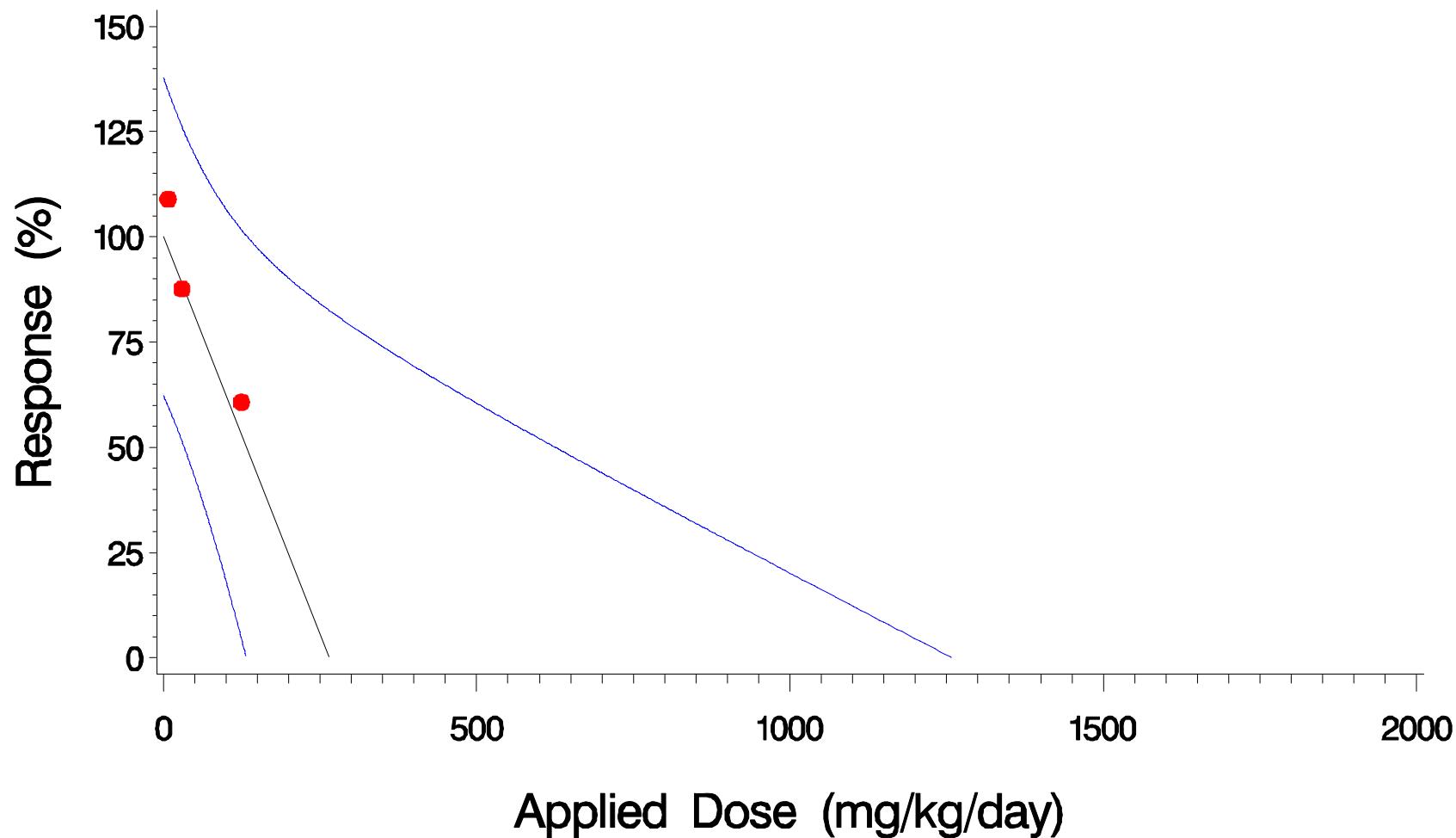
Aromatic Extract

Repeat Dose Liver to BW Ratio

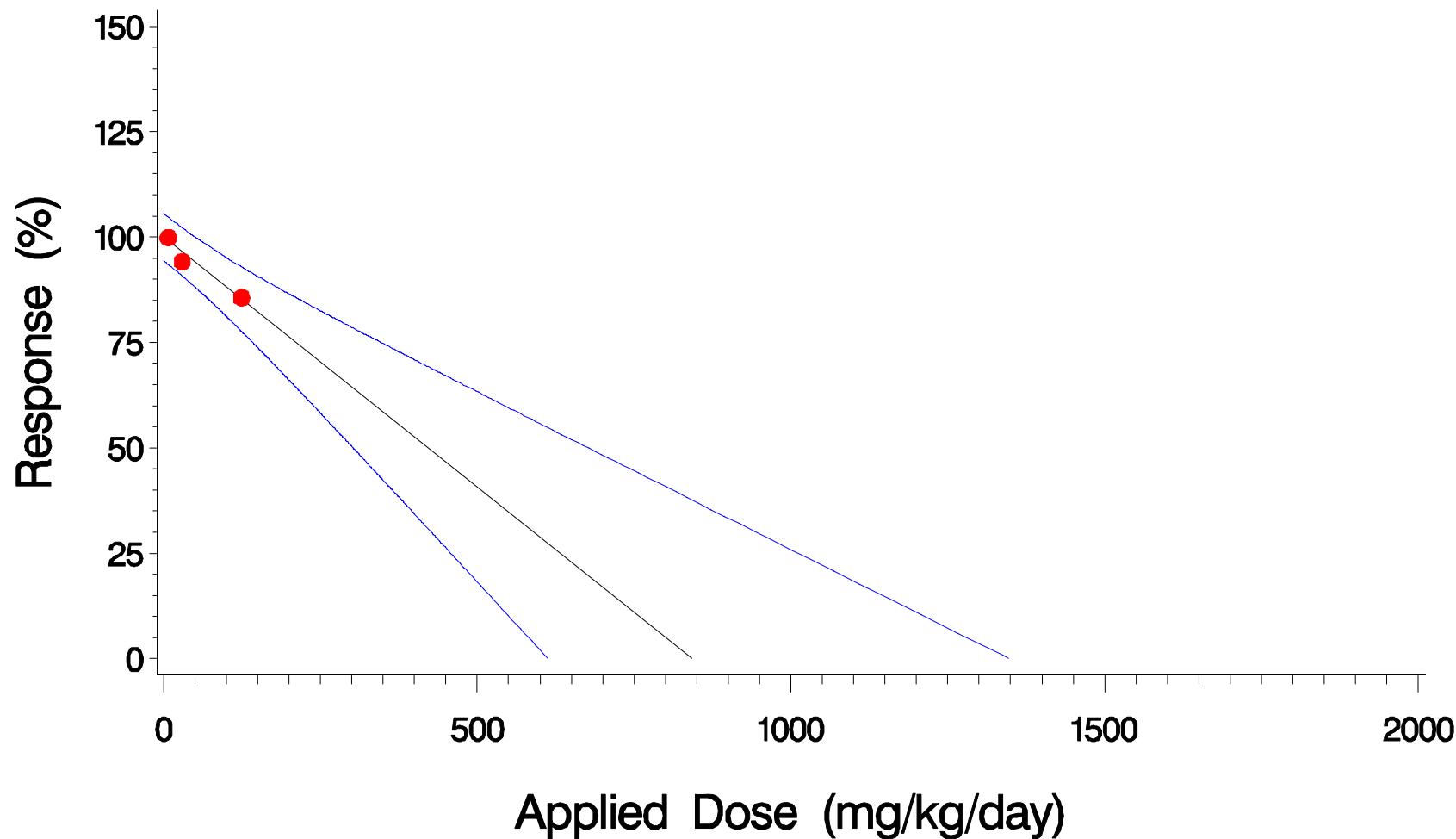
sample_no = 86187 Sex = male



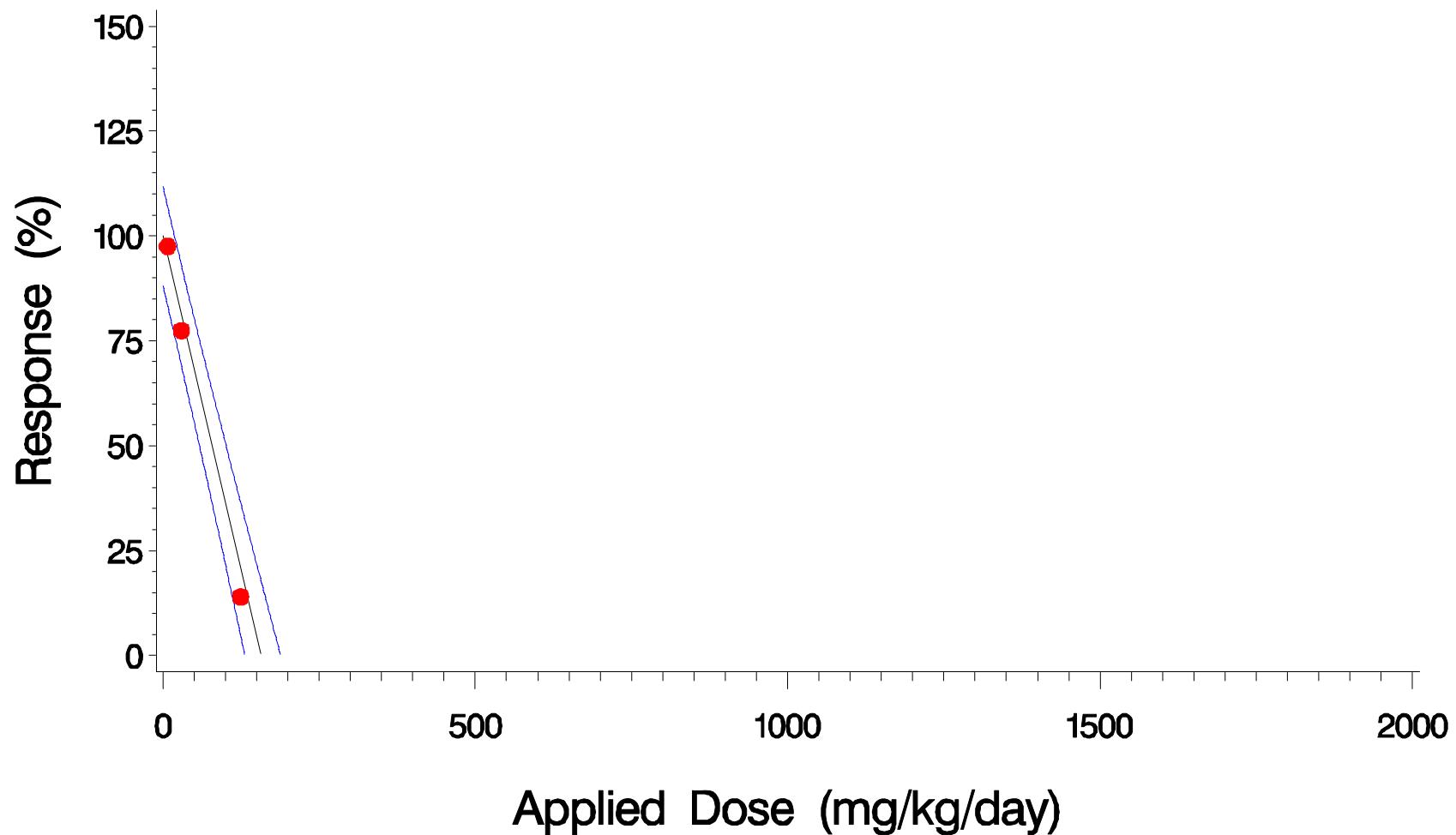
Aromatic Extract
Pre-natal Thymus Weight
sample_no = 86187



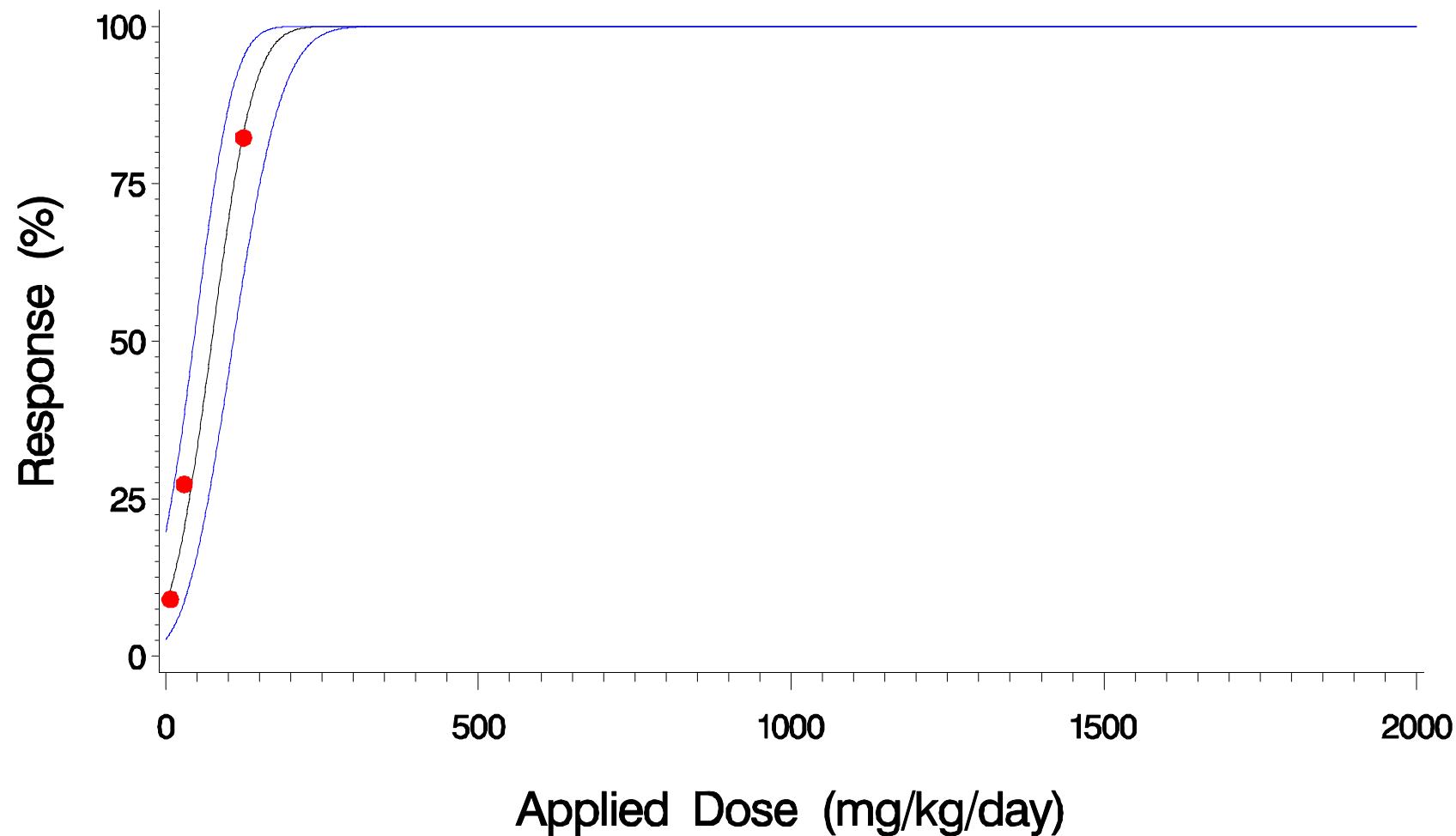
Aromatic Extract
Pre – natal Fetal Weight
sample_no = 86187



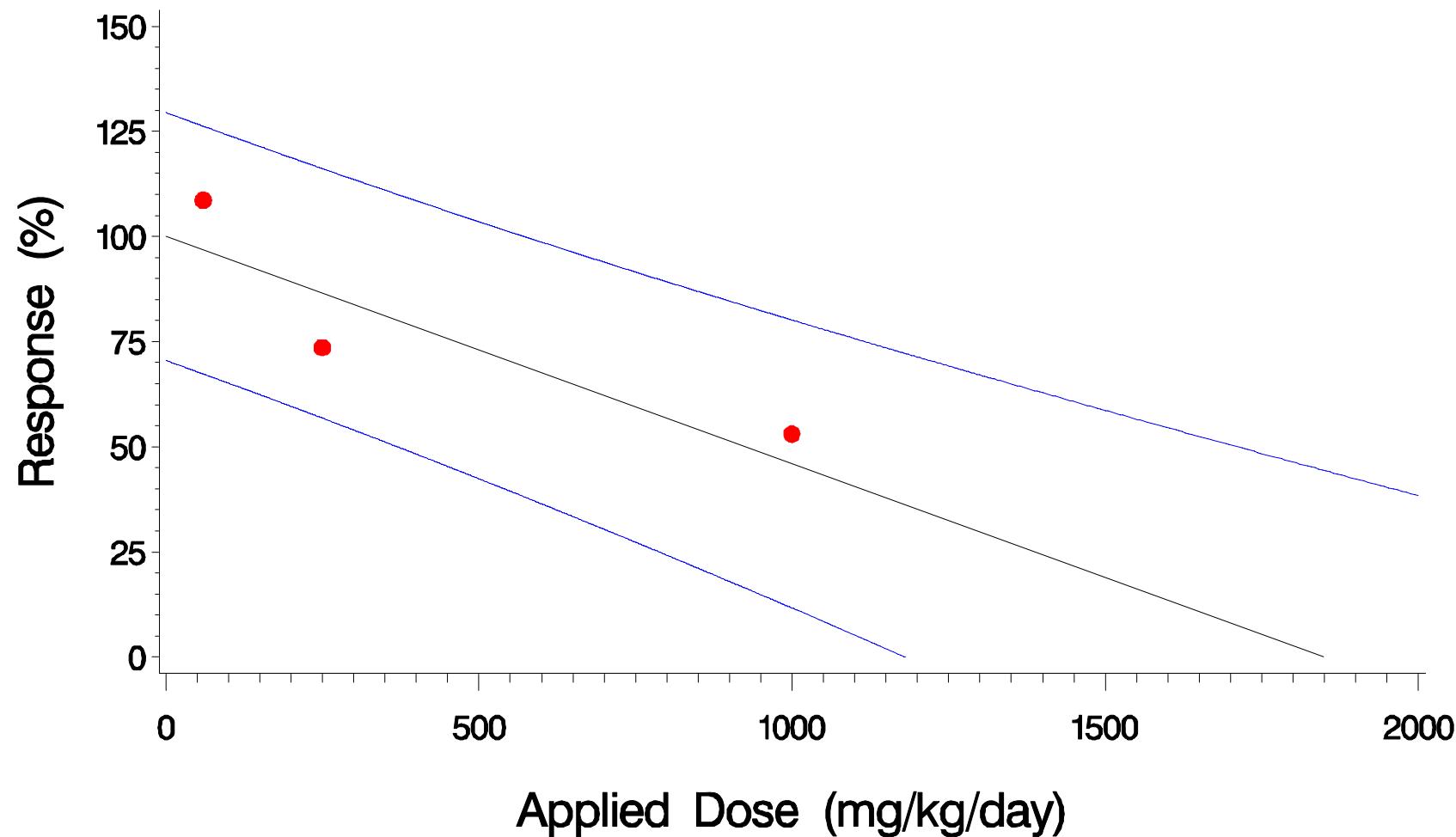
Aromatic Extract
Pre-natal Live Fetuses
sample_no = 86187



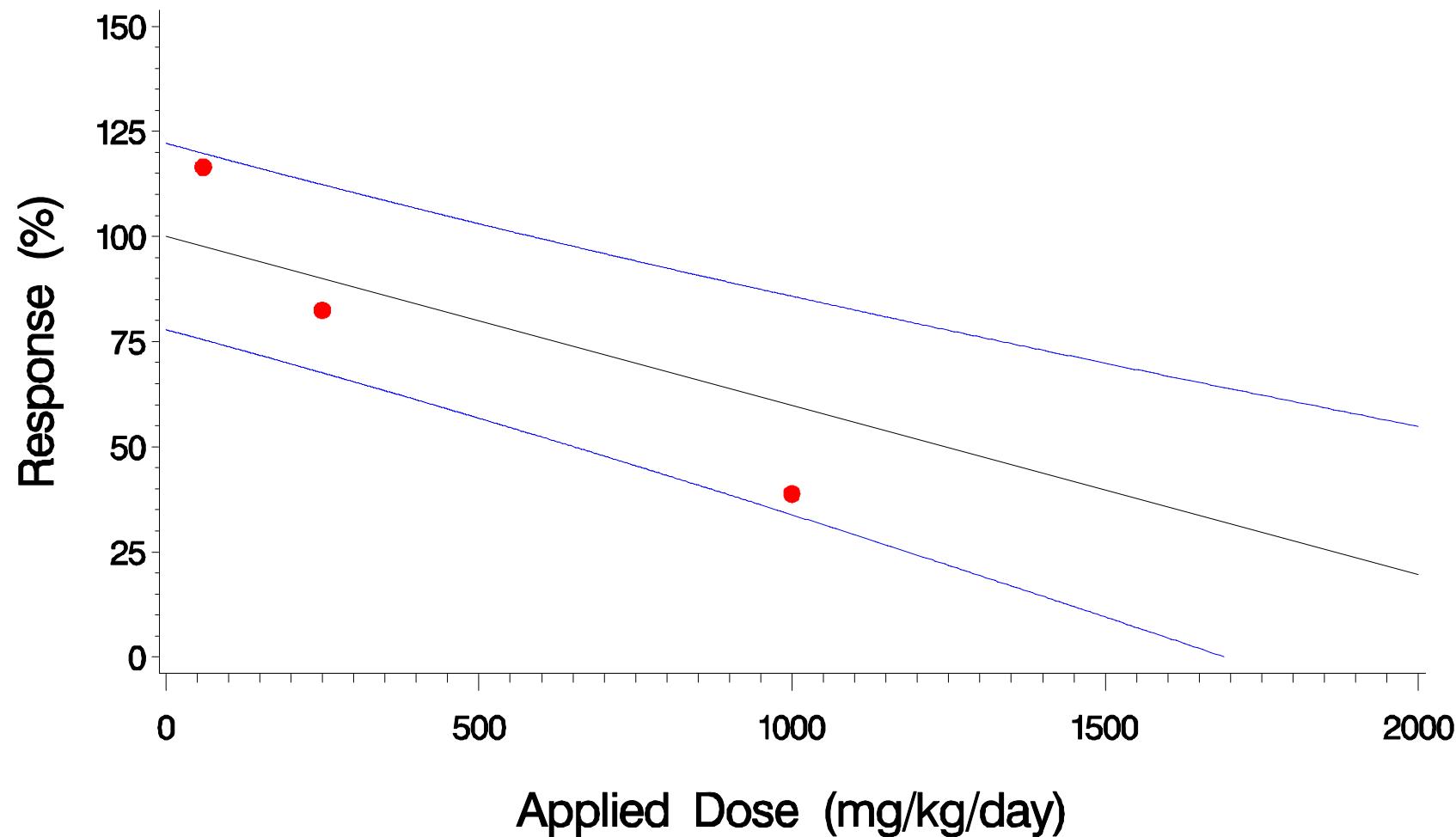
Aromatic Extract
Pre-natal Percent Resorptions
sample_no = 86187



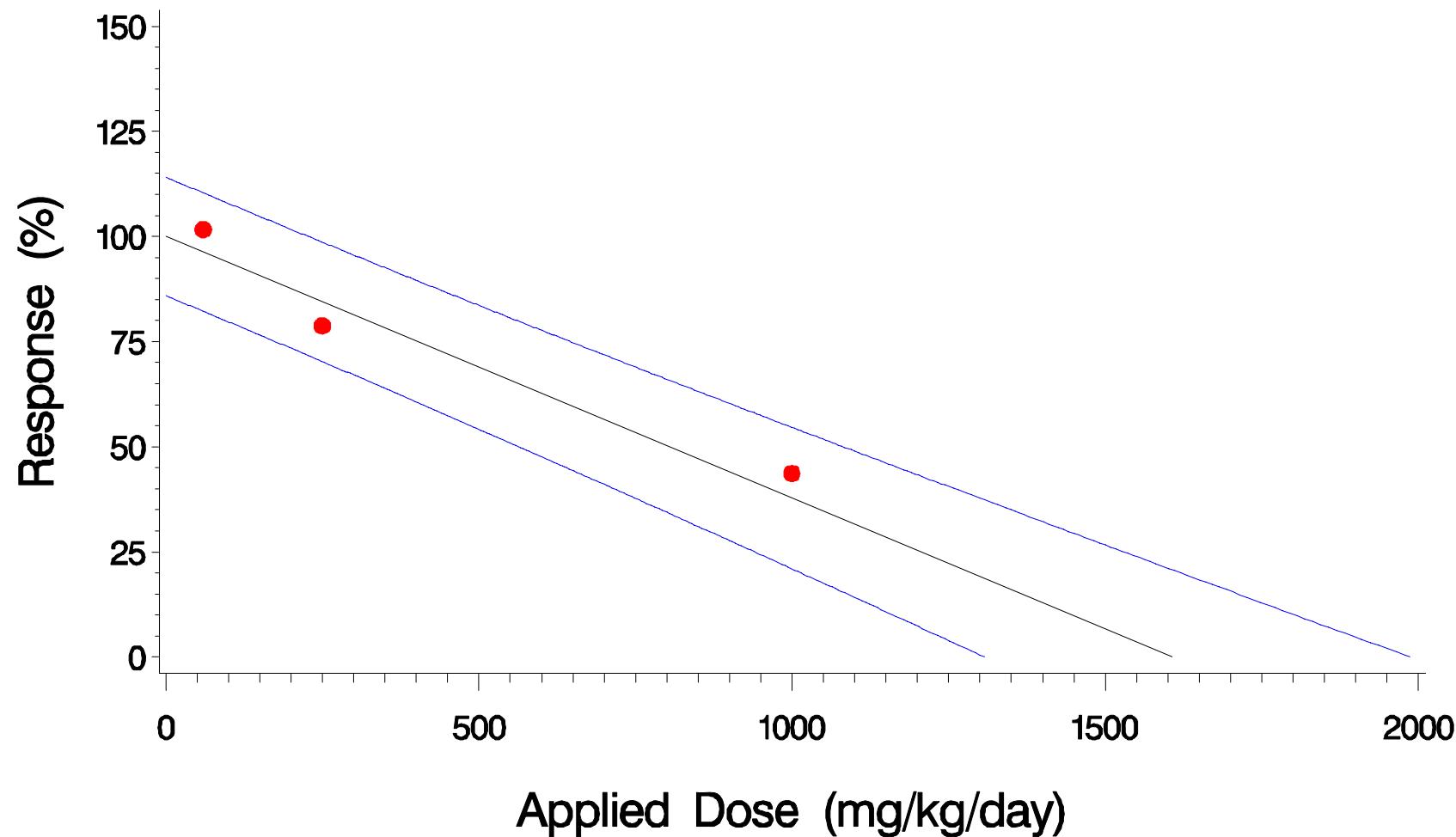
Other
Repeat Dose Thymus Weight
sample_no=89106 Sex=female



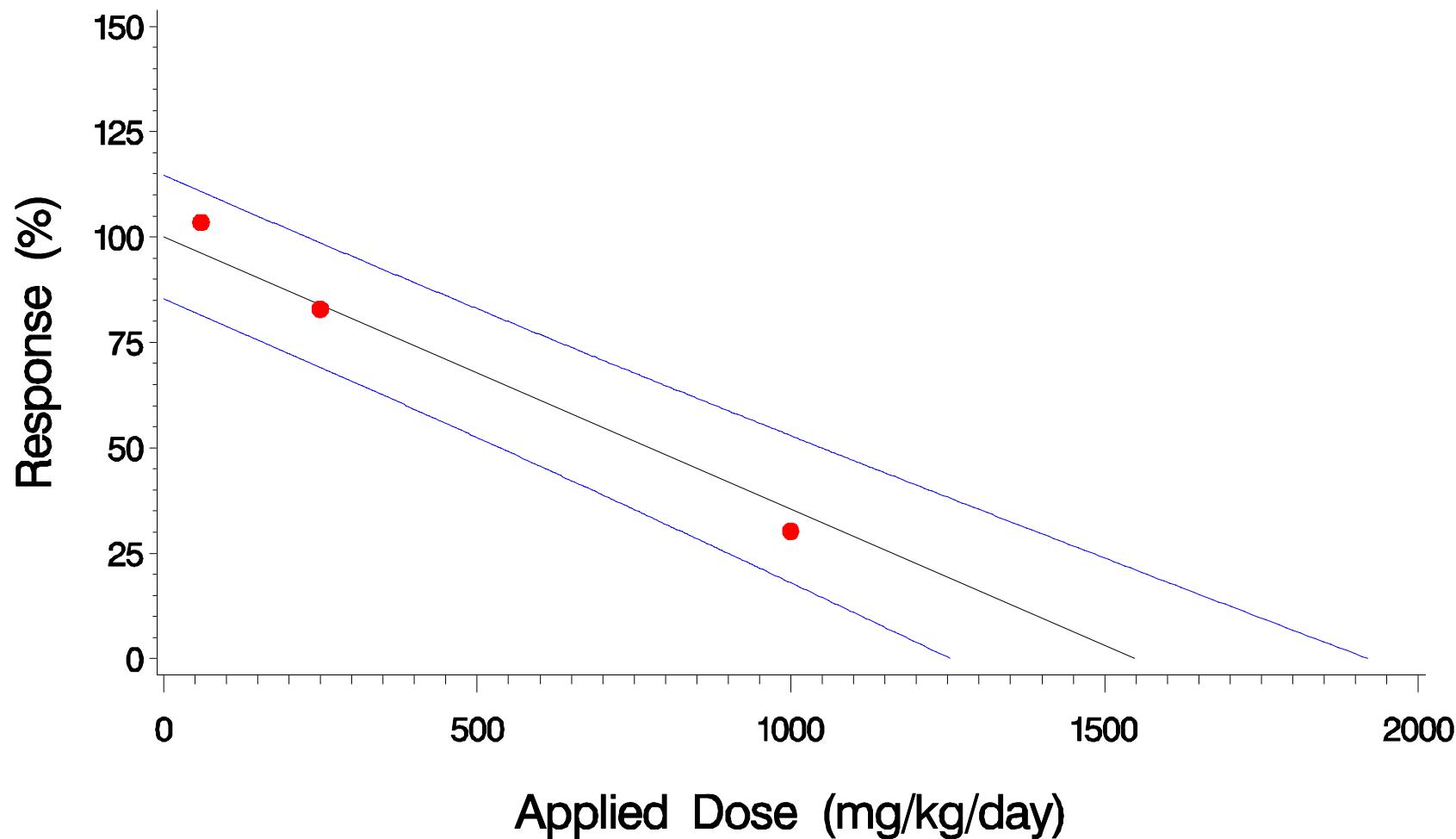
Other
Repeat Dose Thymus Weight
sample_no = 89106 Sex = male



Other
Repeat Dose Platelet Count
sample_no=89106 Sex=female

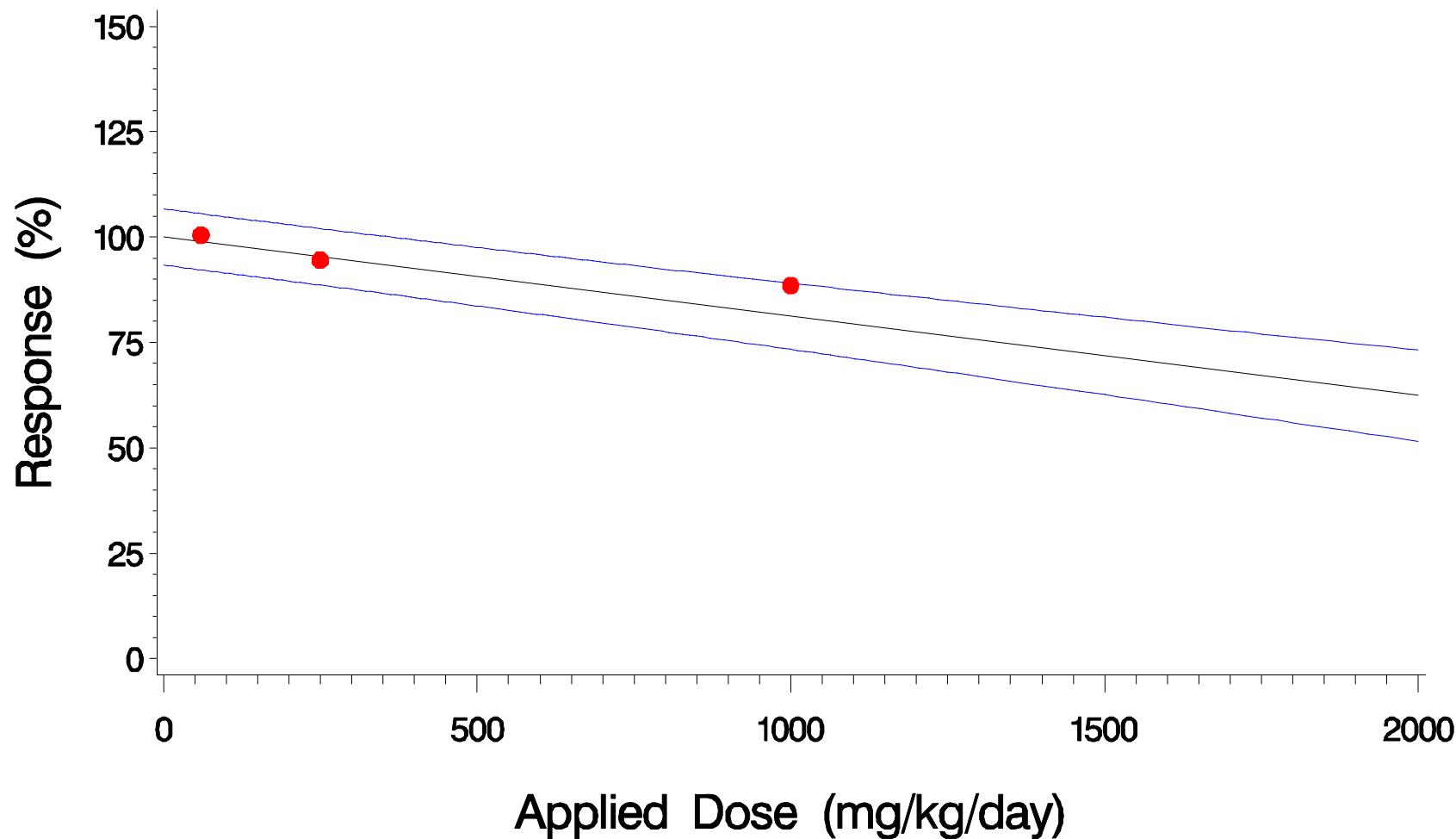


Other
Repeat Dose Platelet Count
sample_no = 89106 Sex = male



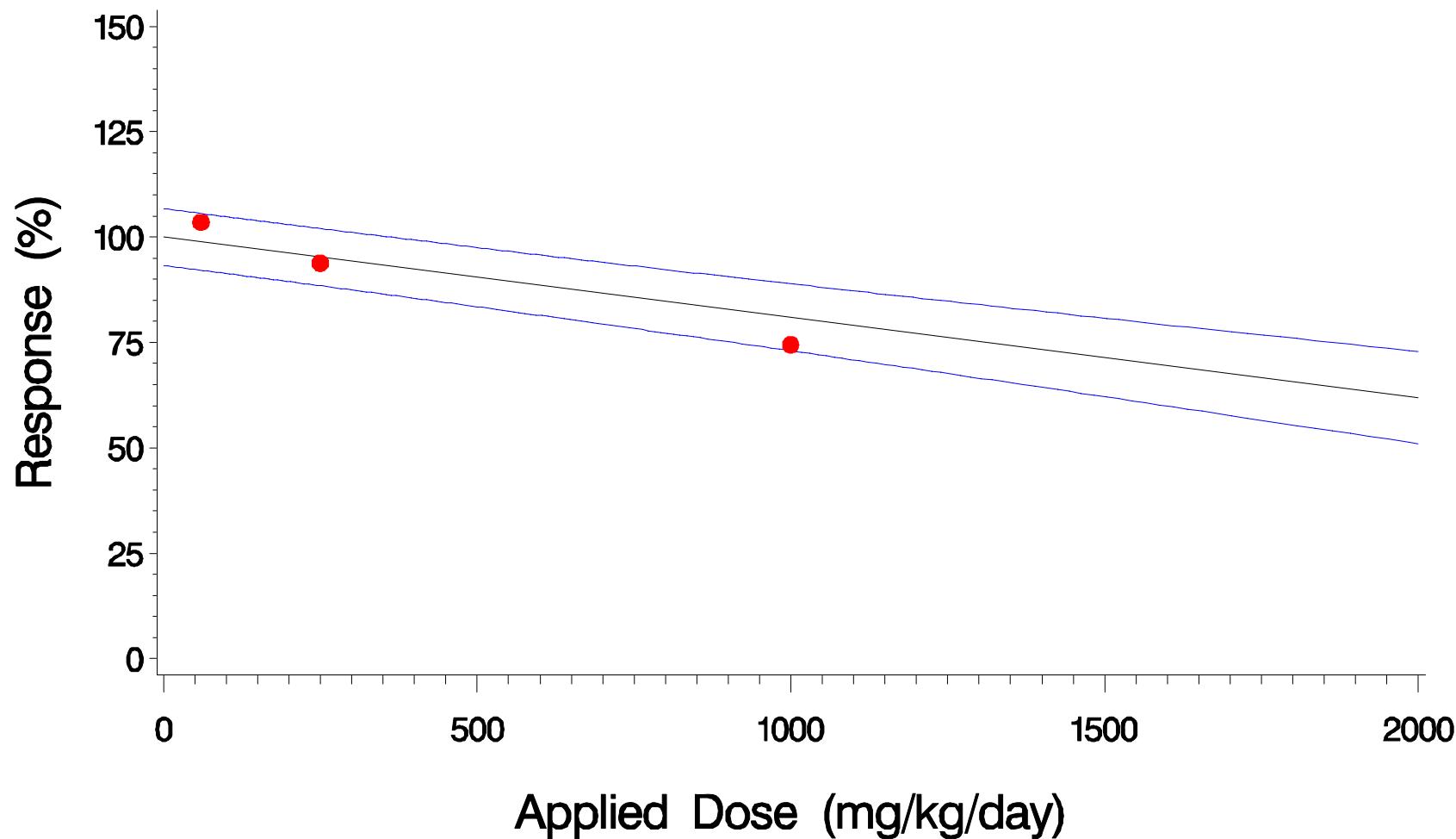
Other

Repeat Dose Hemoglobin Concentration
sample_no = 89106 Sex = female

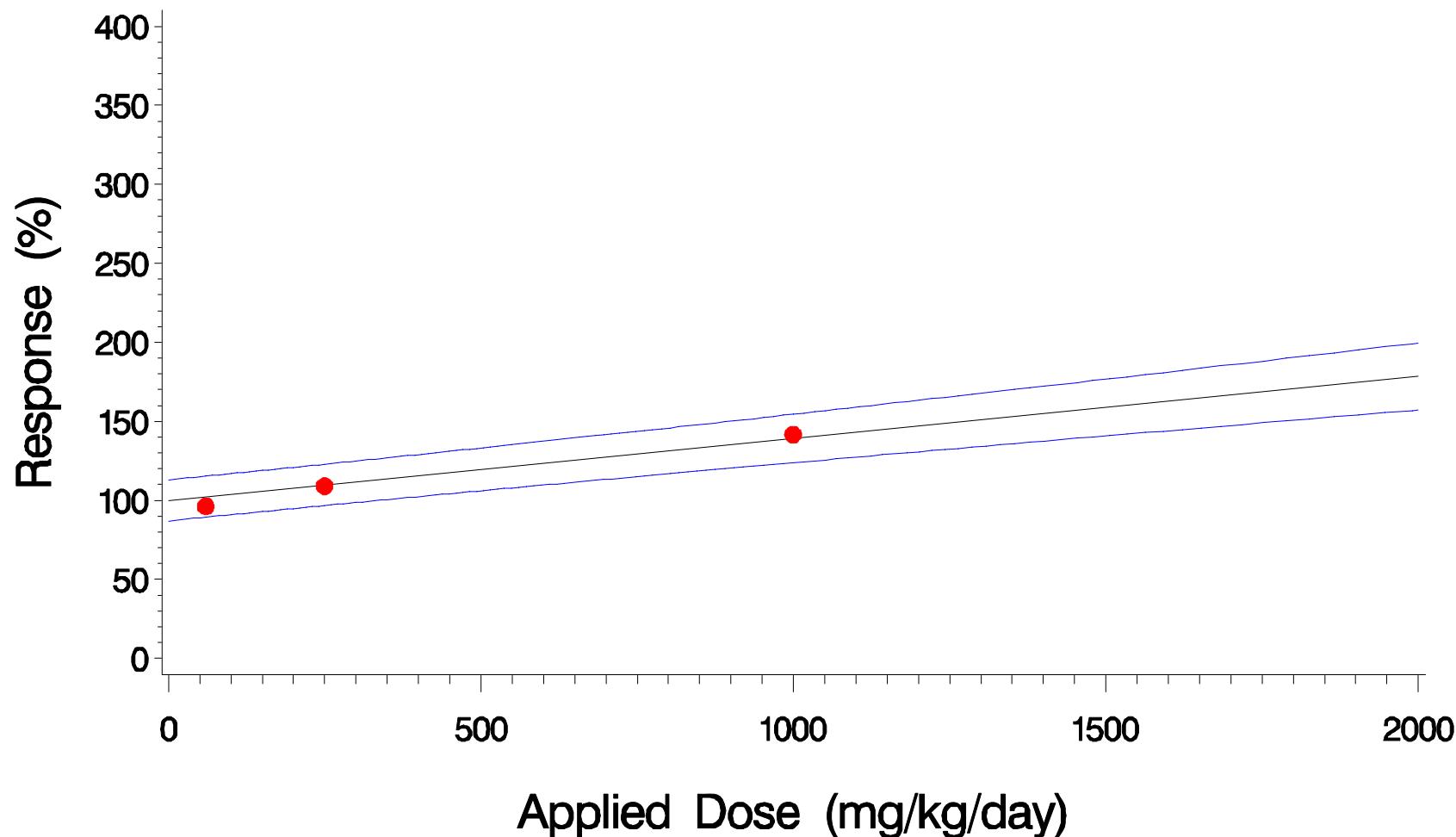


Other

Repeat Dose Hemoglobin Concentration
sample_no = 89106 Sex = male



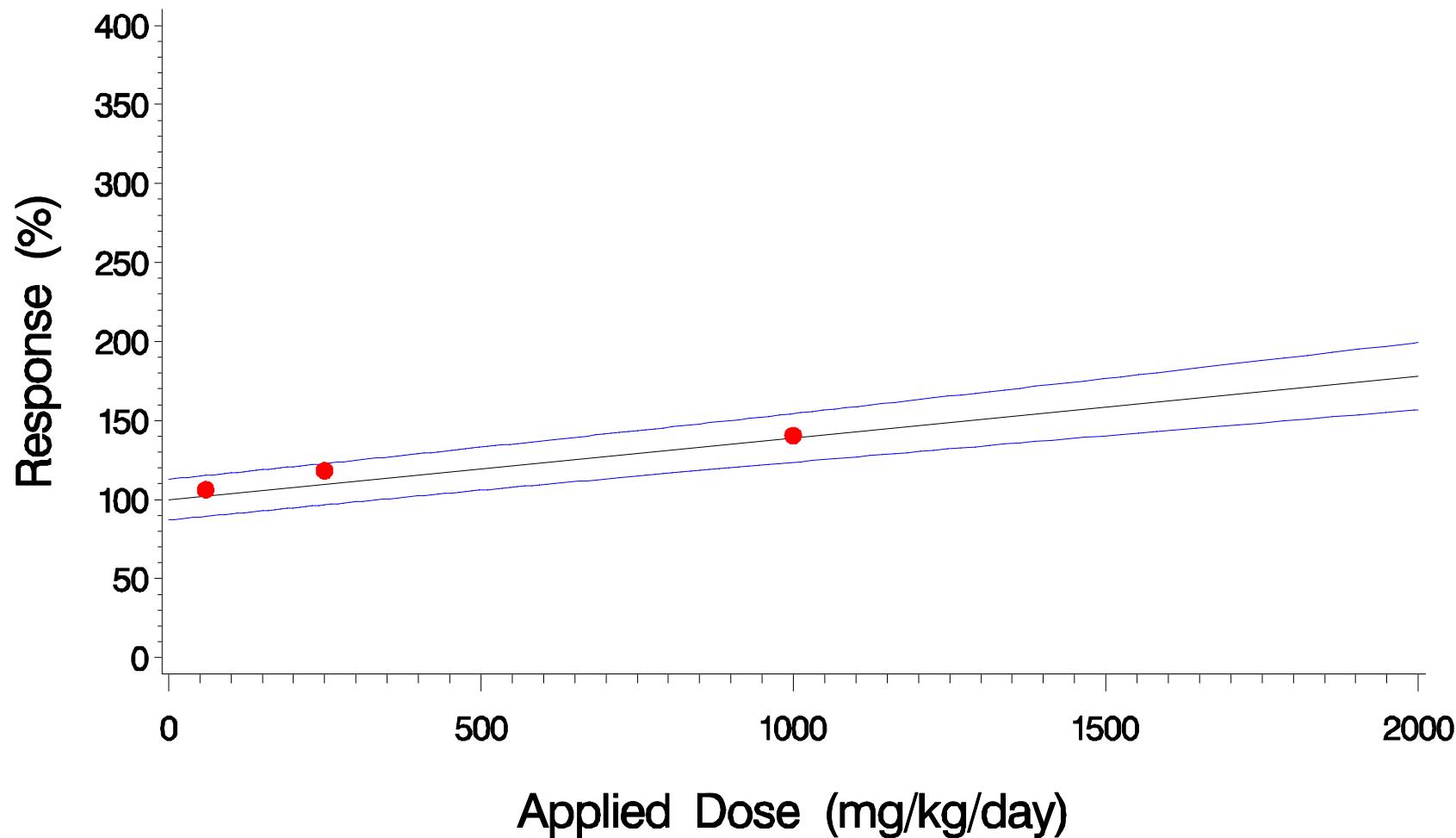
Other
Repeat Dose Liver to BW Ratio
sample_no = 89106 Sex = female



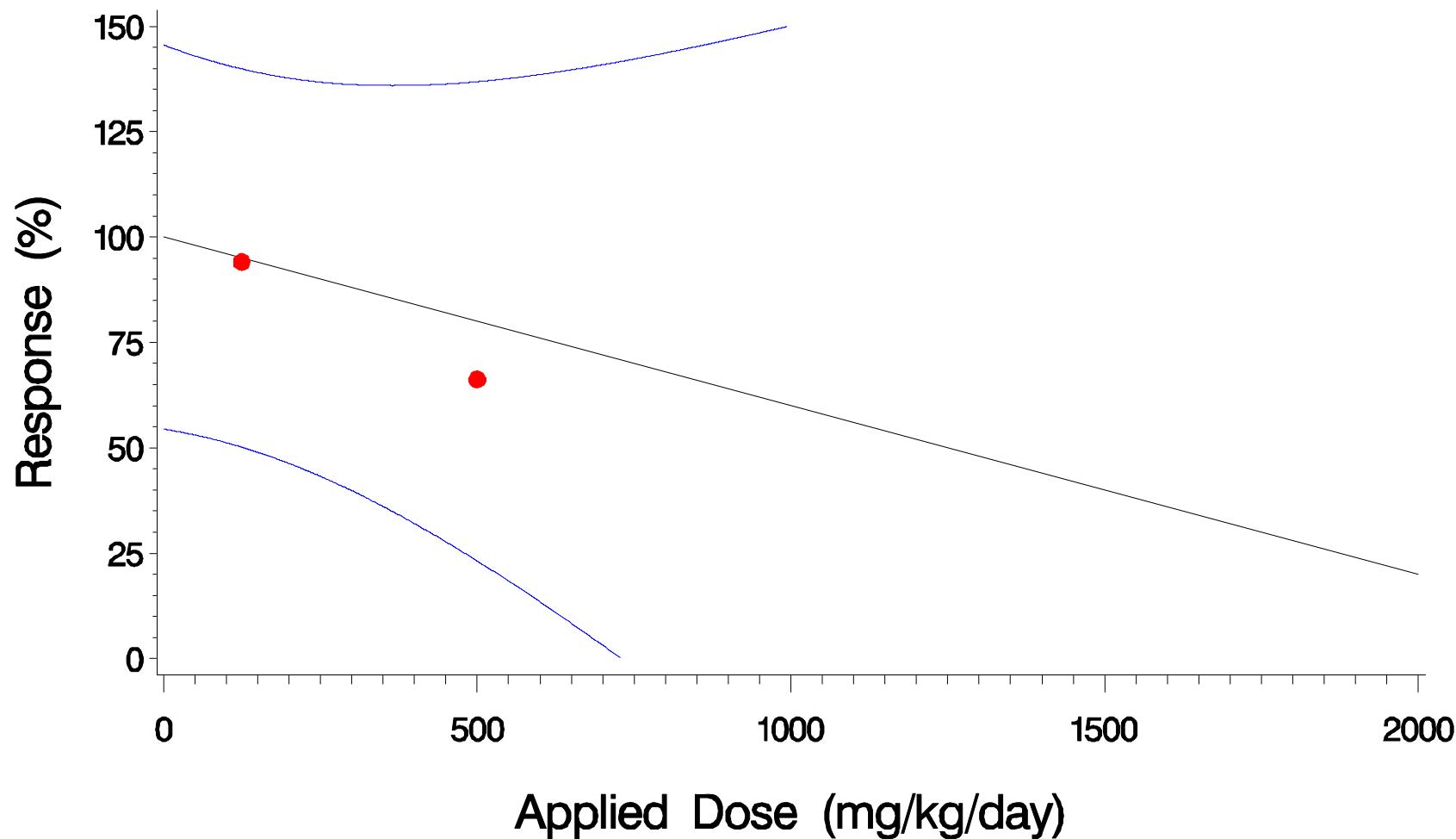
Other

Repeat Dose Liver to BW Ratio

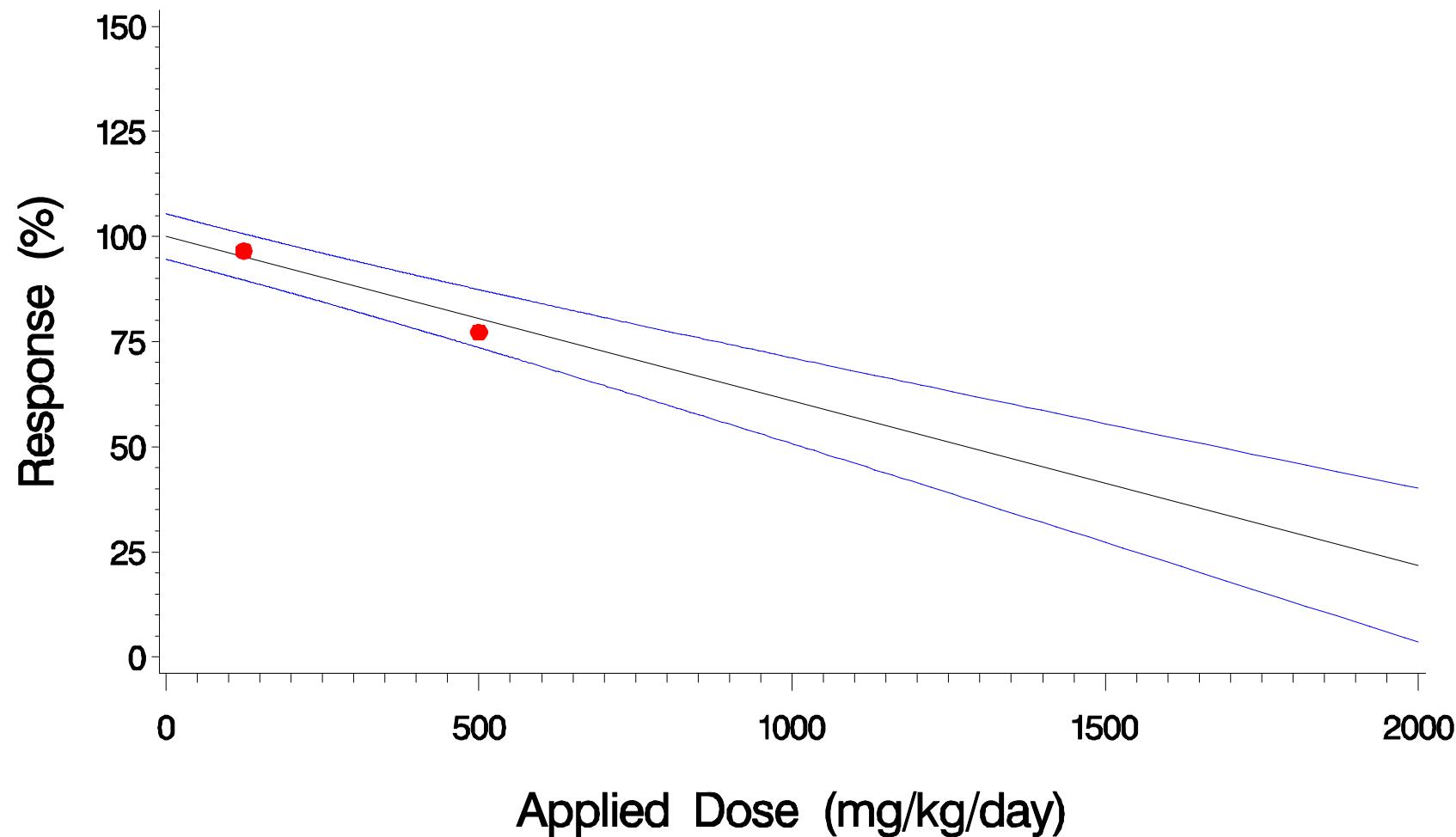
sample_no = 89106 Sex = male



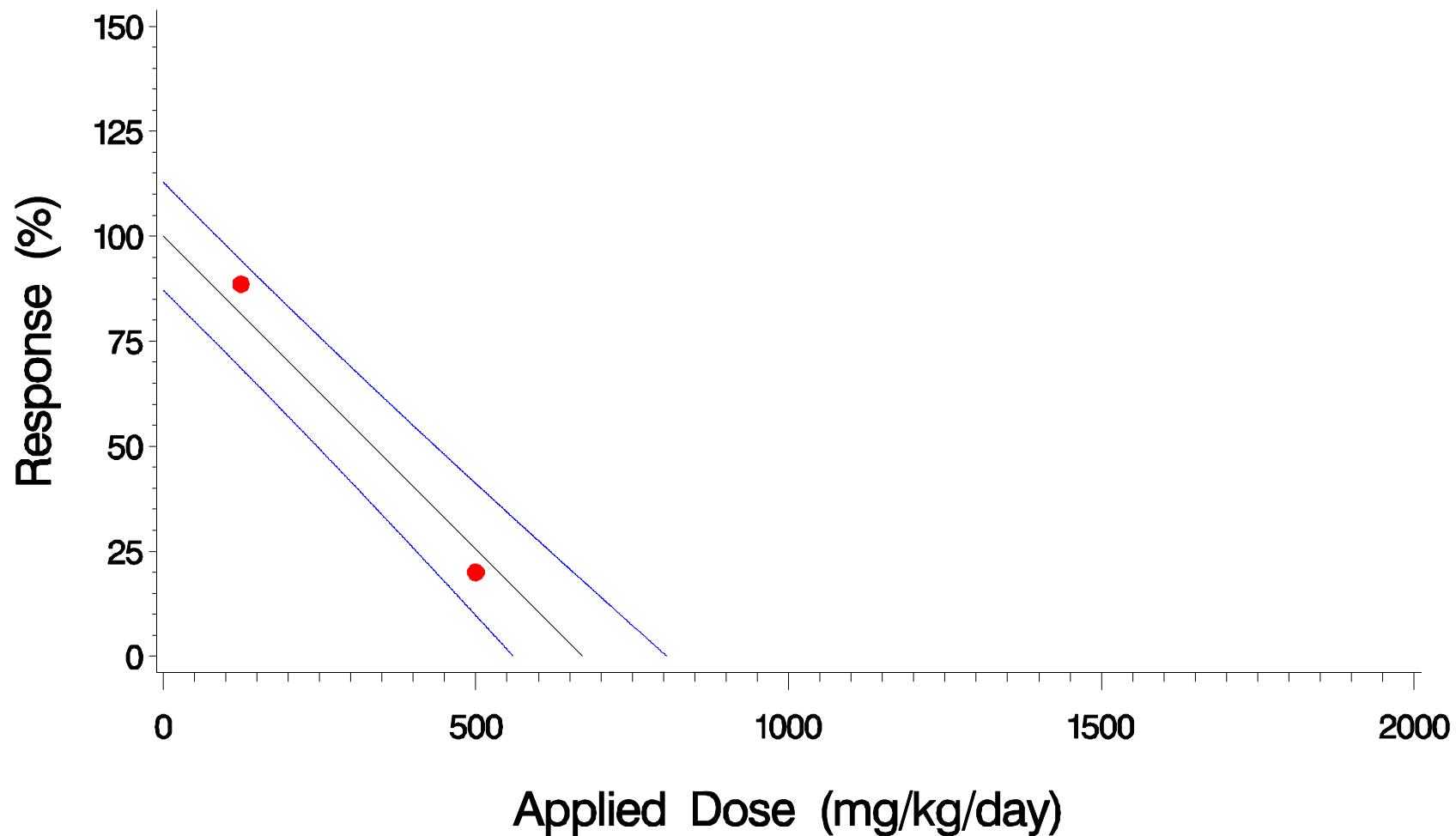
Other
Pre-natal Thymus Weight
sample_no = 89106



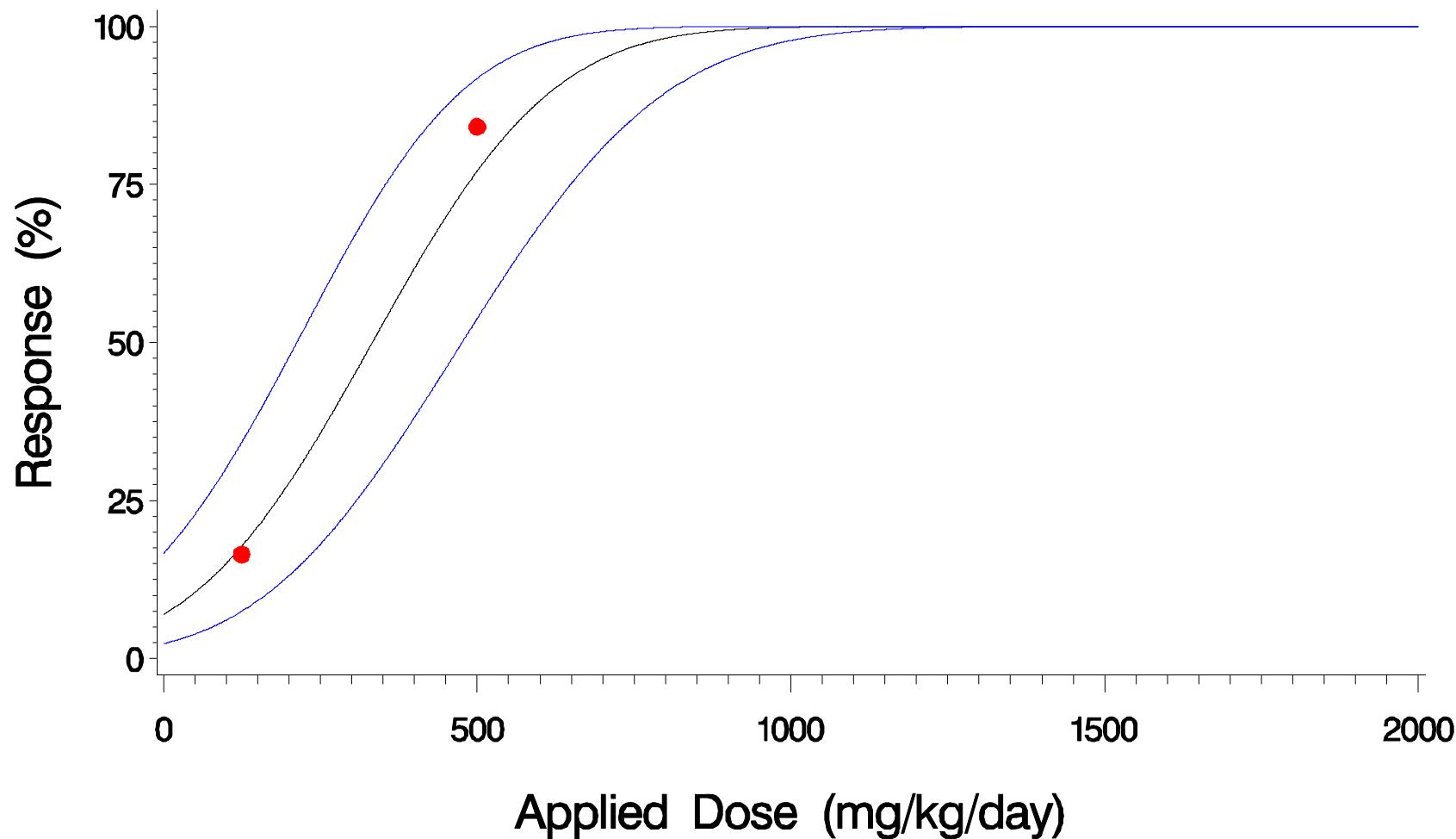
Other
Pre-natal Fetal Weight
sample_no = 89106



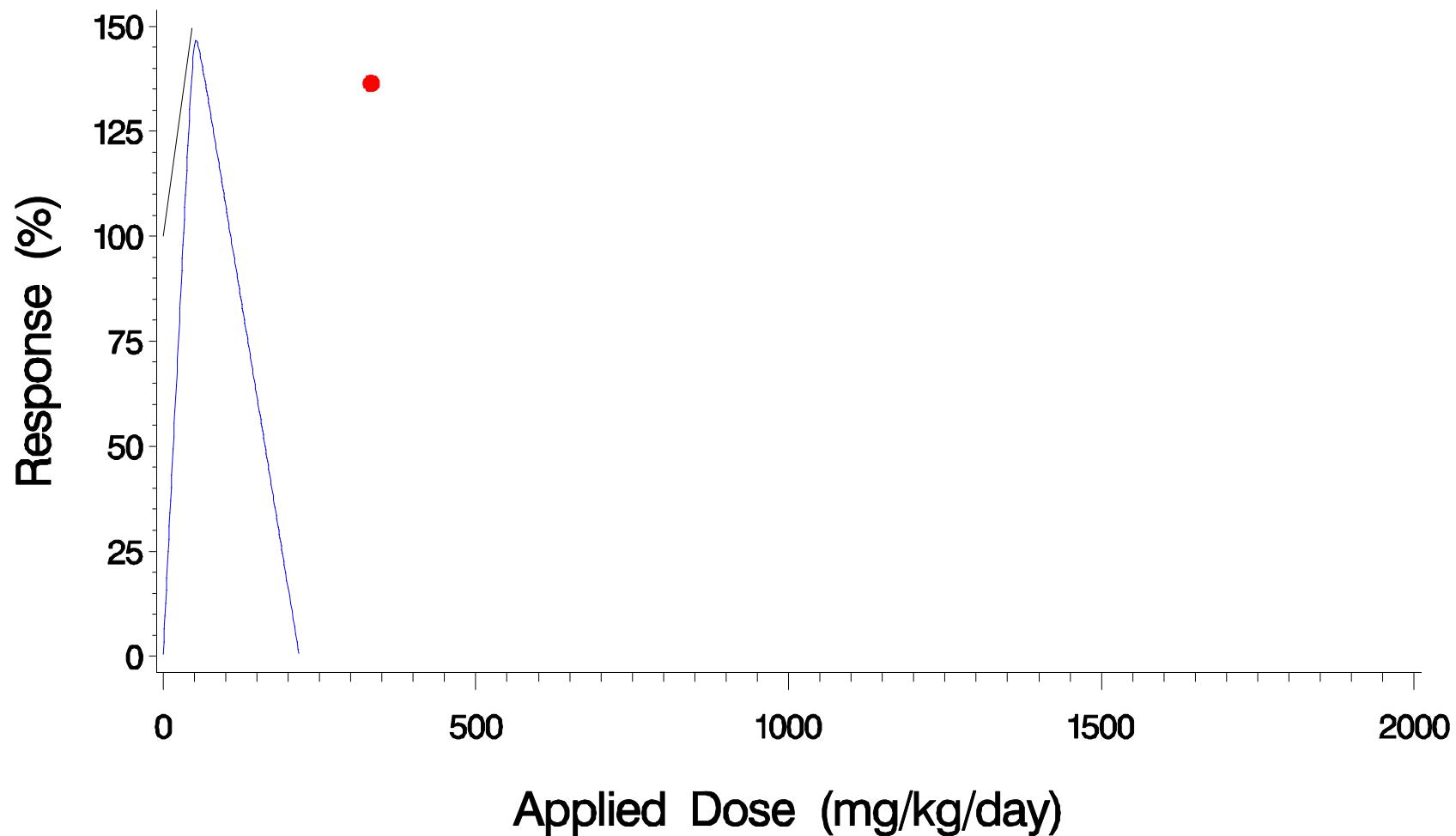
Other
Pre-natal Live Fetuses
sample_no = 89106



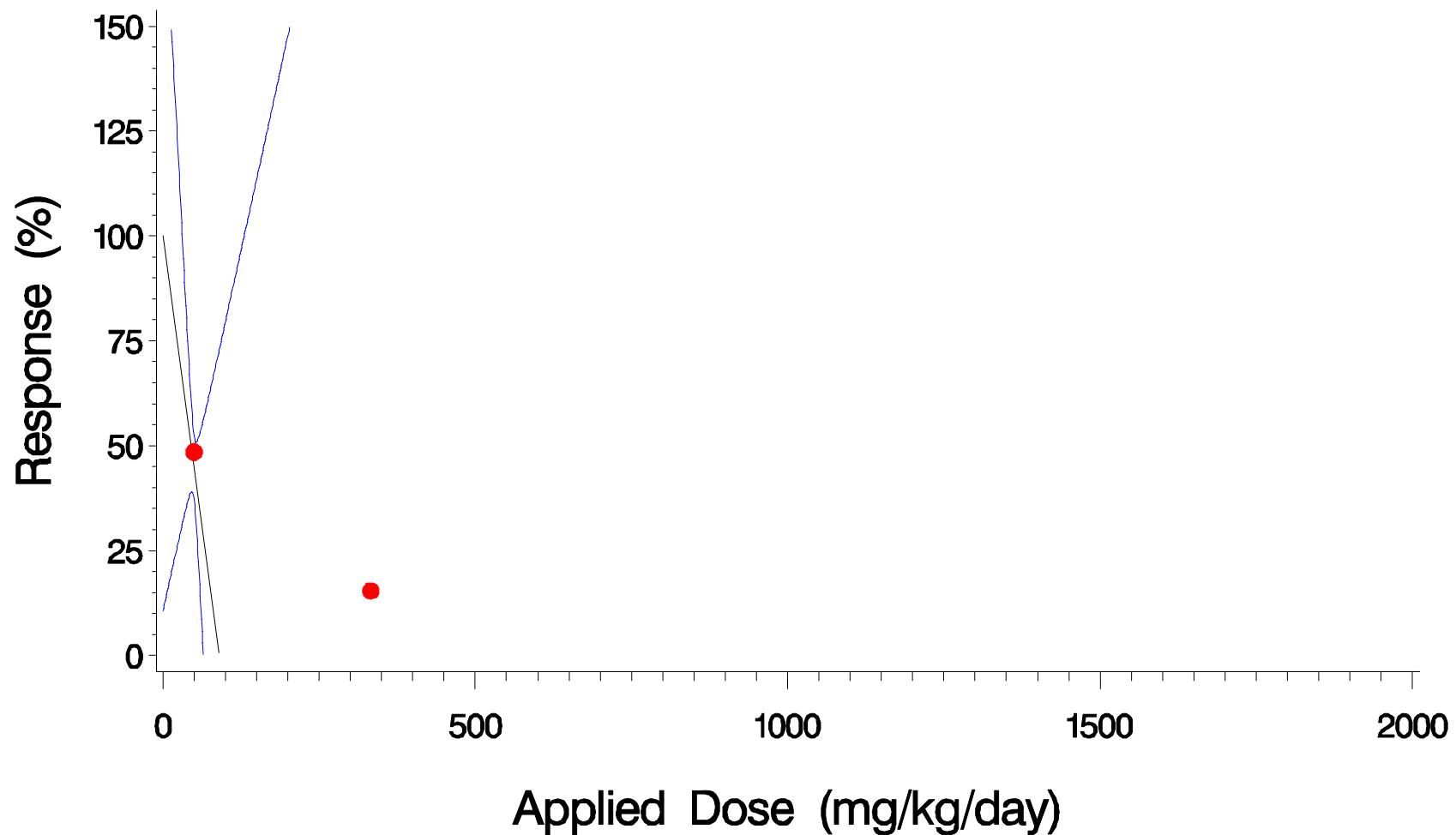
Other
Pre-natal Percent Resorptions
sample_no = 89106



Other
Post-natal Pup Weight
sample_no = F - 221



Other
Post-natal Total Litter Size
sample_no = F - 221



Other
Post-natal Live Litter Size
sample_no = F - 221

