

Supplemental Material

Respirometric Screening and Characterization of Mitochondrial Toxicants Within the ToxCast Phase I and II Chemical Libraries

Daniel R. Hallinger¹, Hayley B. Lindsay², Katie Paul Friedman¹, Danielle A. Suarez³, and Steven O. Simmons¹

¹National Center for Computational Toxicology; ²Oak Ridge Associated Universities, Contractor; ³Environmental and Public Health Division, National Health and Environmental Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency

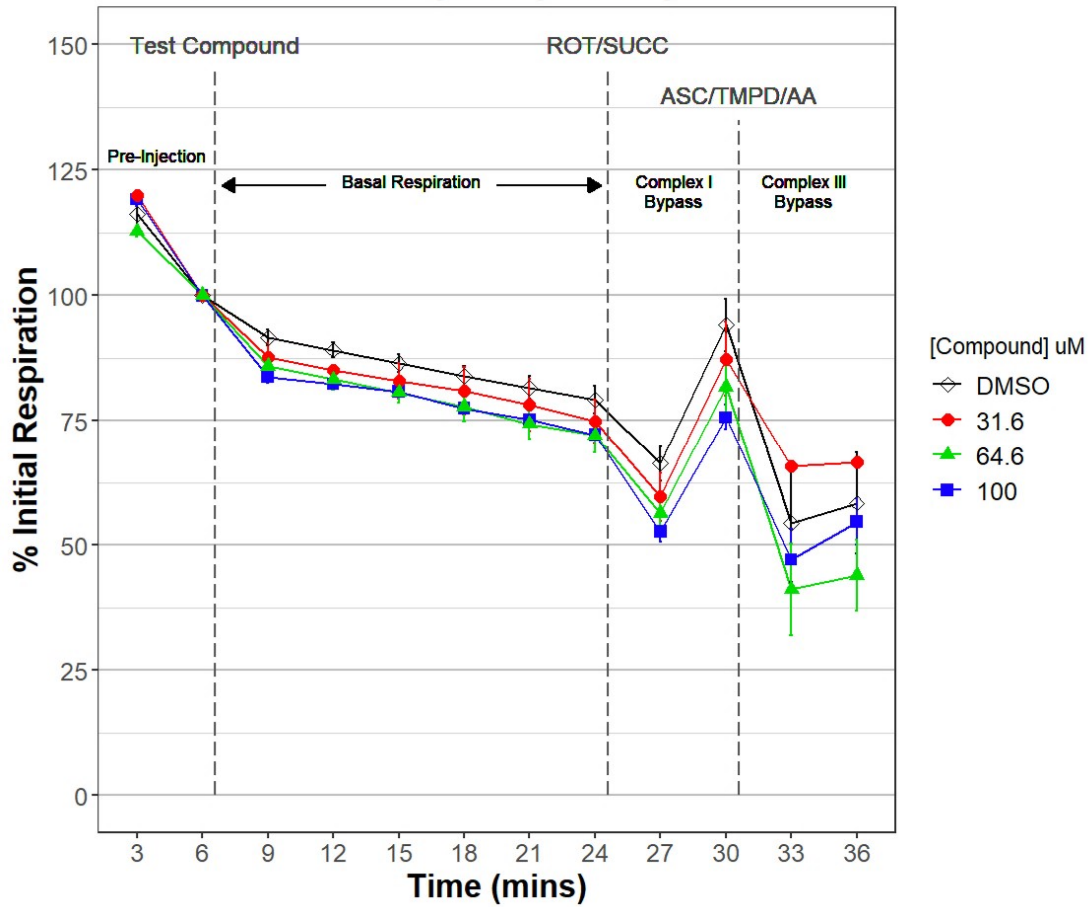
Authors DRH and HBL contributed equally to this work.

Corresponding Author:

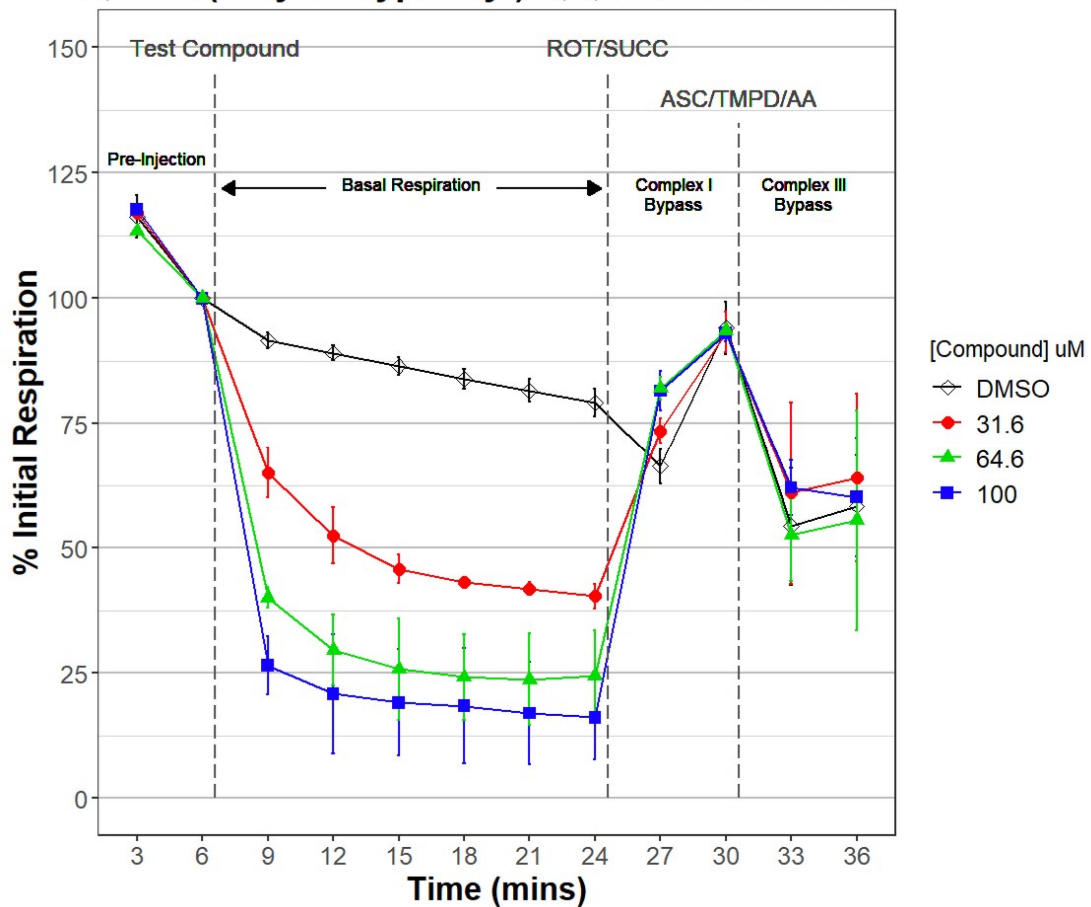
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109 TW Alexander Drive
MD B205-01
Research Triangle Park, North Carolina 27711 USA

Supplemental Figure 3 shows the temporal dose-response plots (median % initial respiration \pm mad) for all 149 ETCi chemicals tested in the EFA.

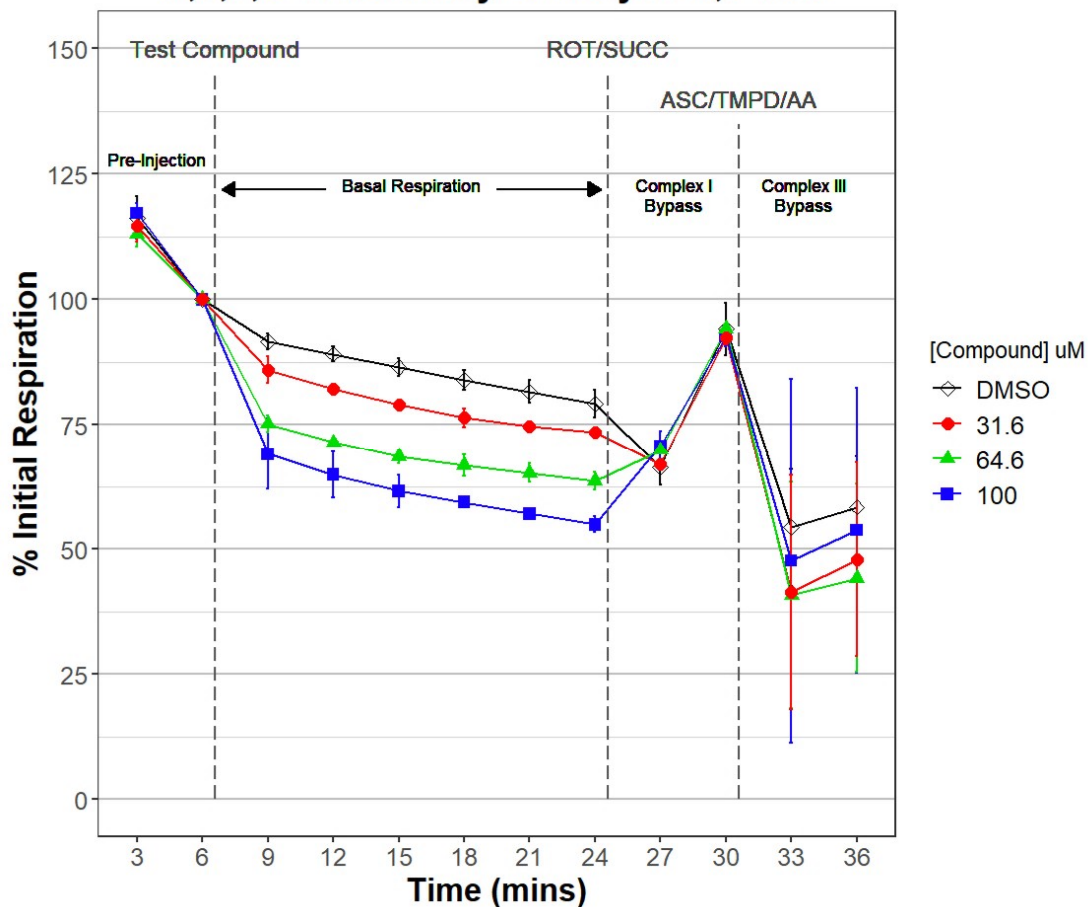
2,2',4,4'-Tetrahydroxybenzophenone



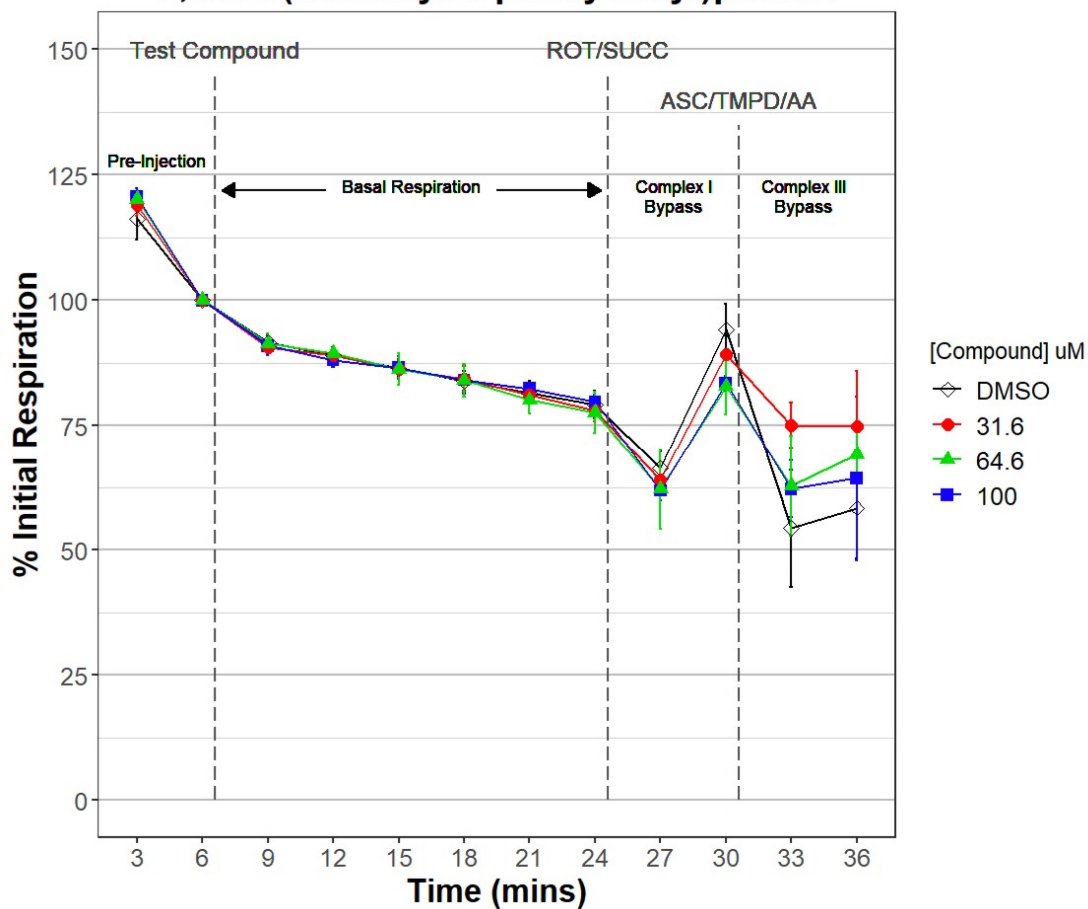
2,2-Bis(4-hydroxyphenyl)-1,1,1-trichloroethane



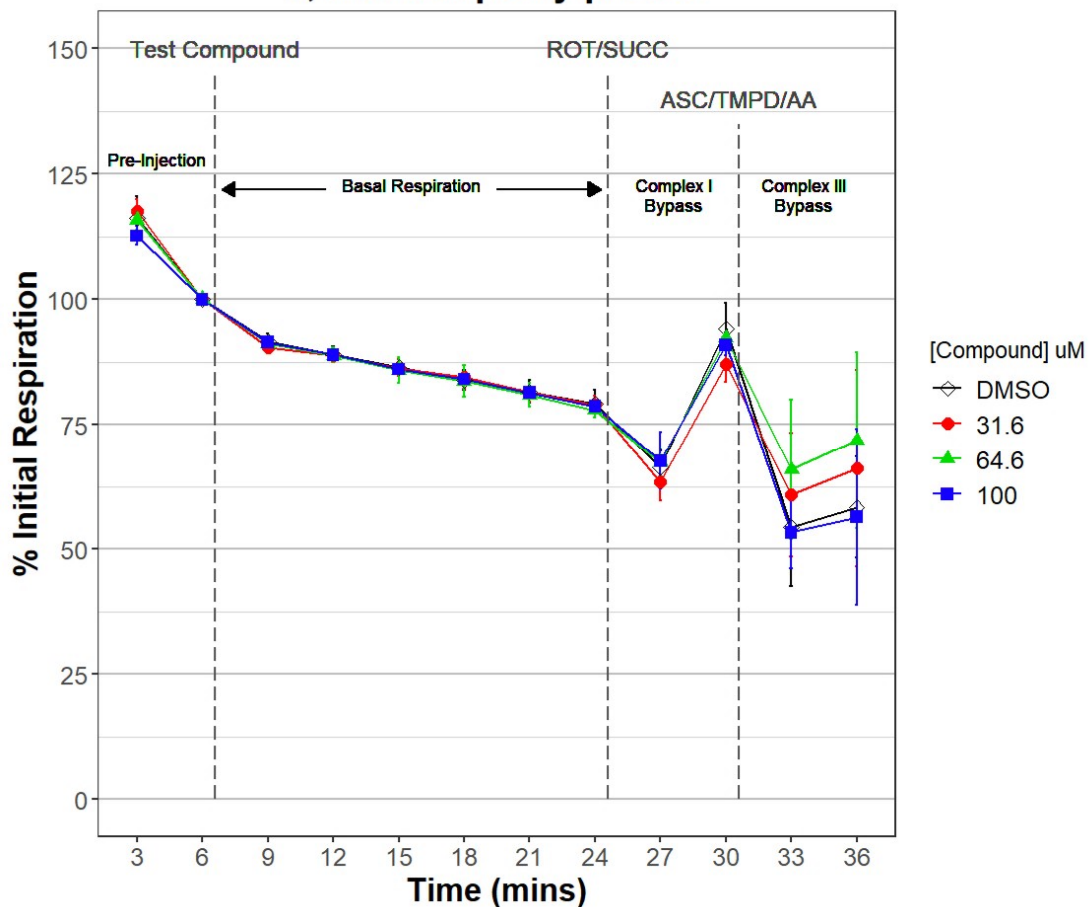
2,4,7,9-Tetramethyl-5-decyne-4,7-diol



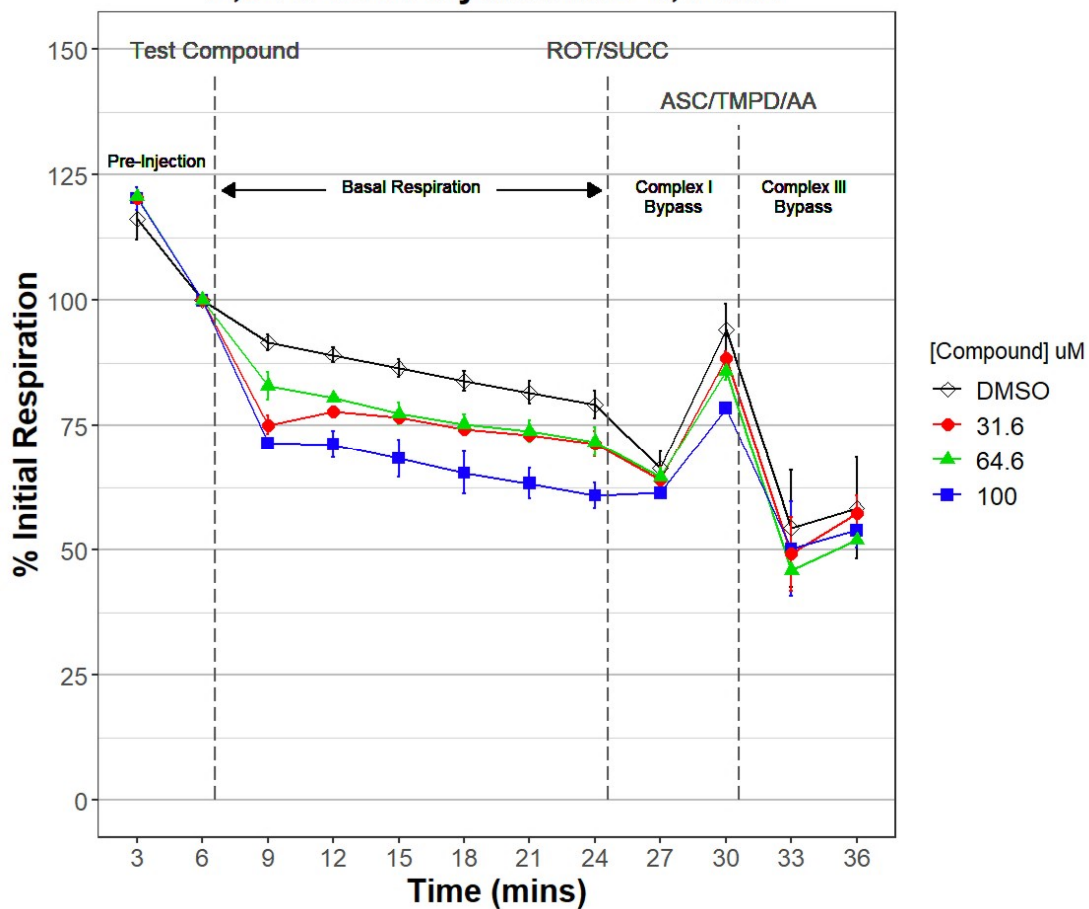
2,4-Bis(1-methyl-1-phenylethyl)phenol



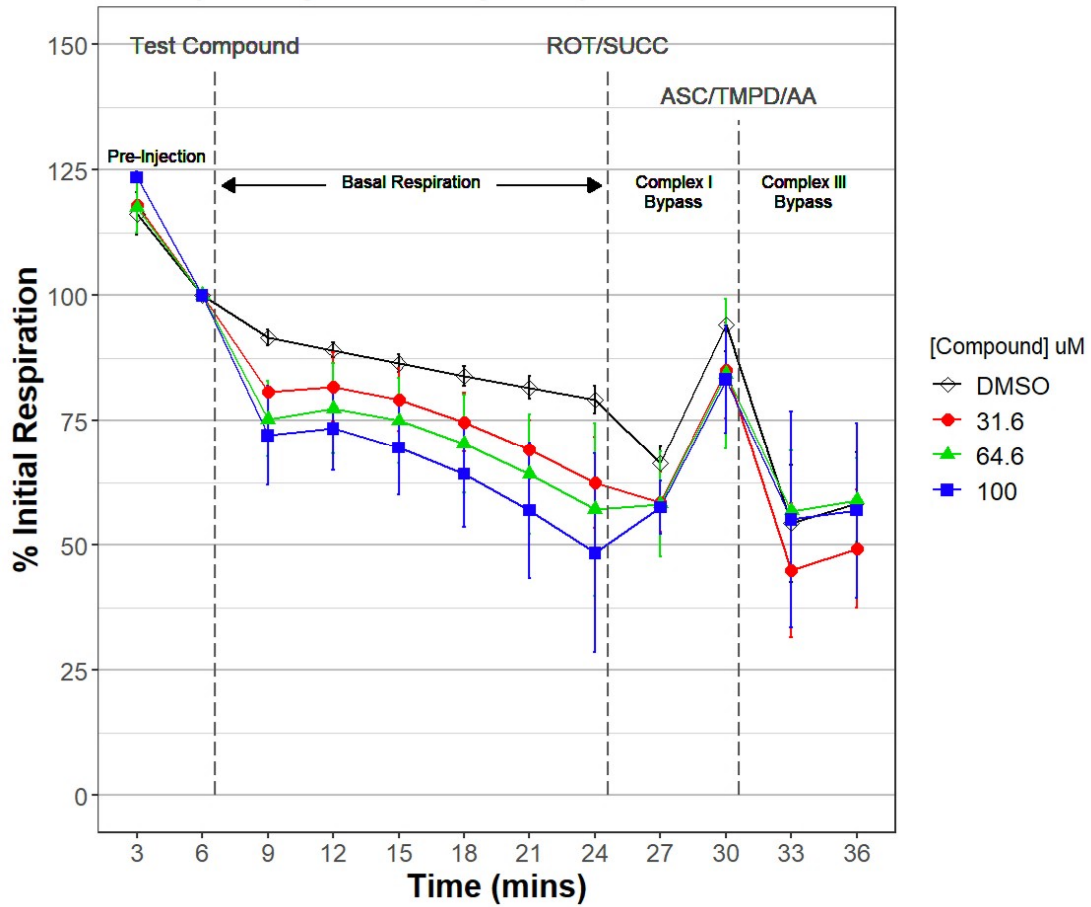
2,4-Di-tert-pentylphenol



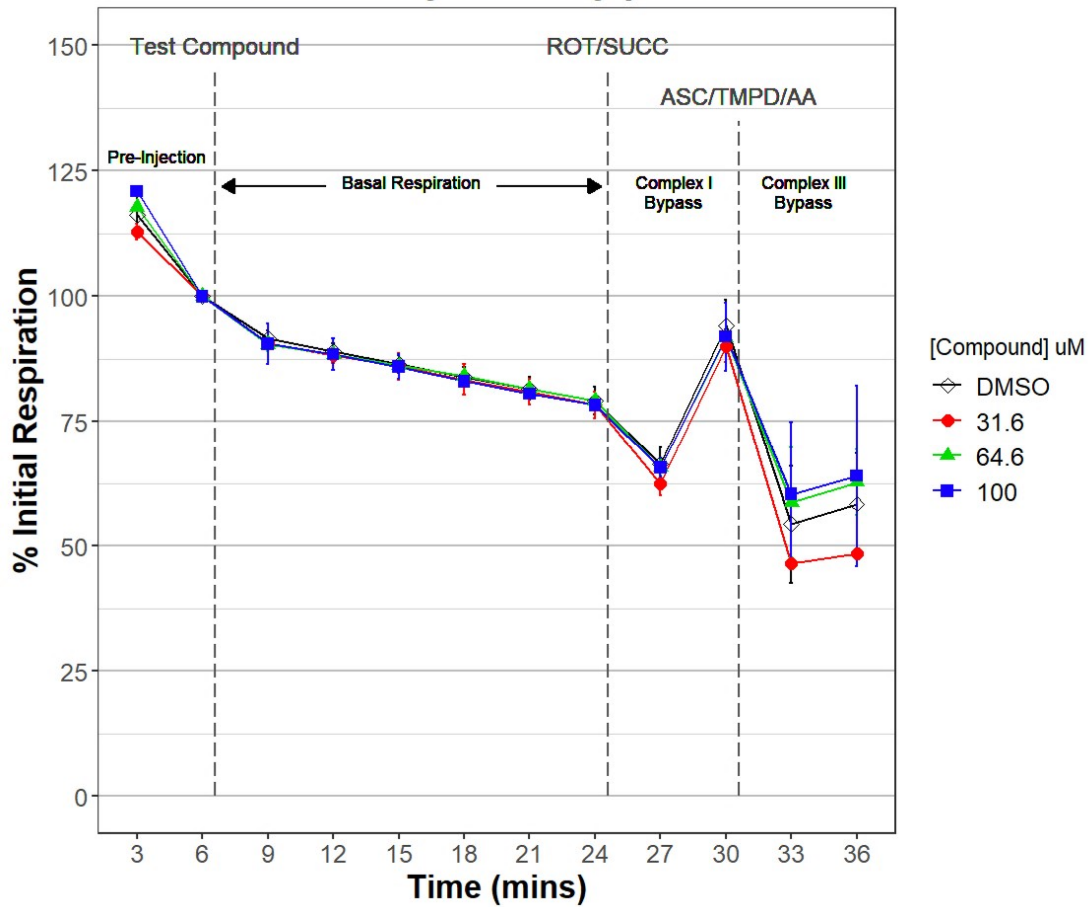
2,5-Di-tert-butylbenzene-1,4-diol



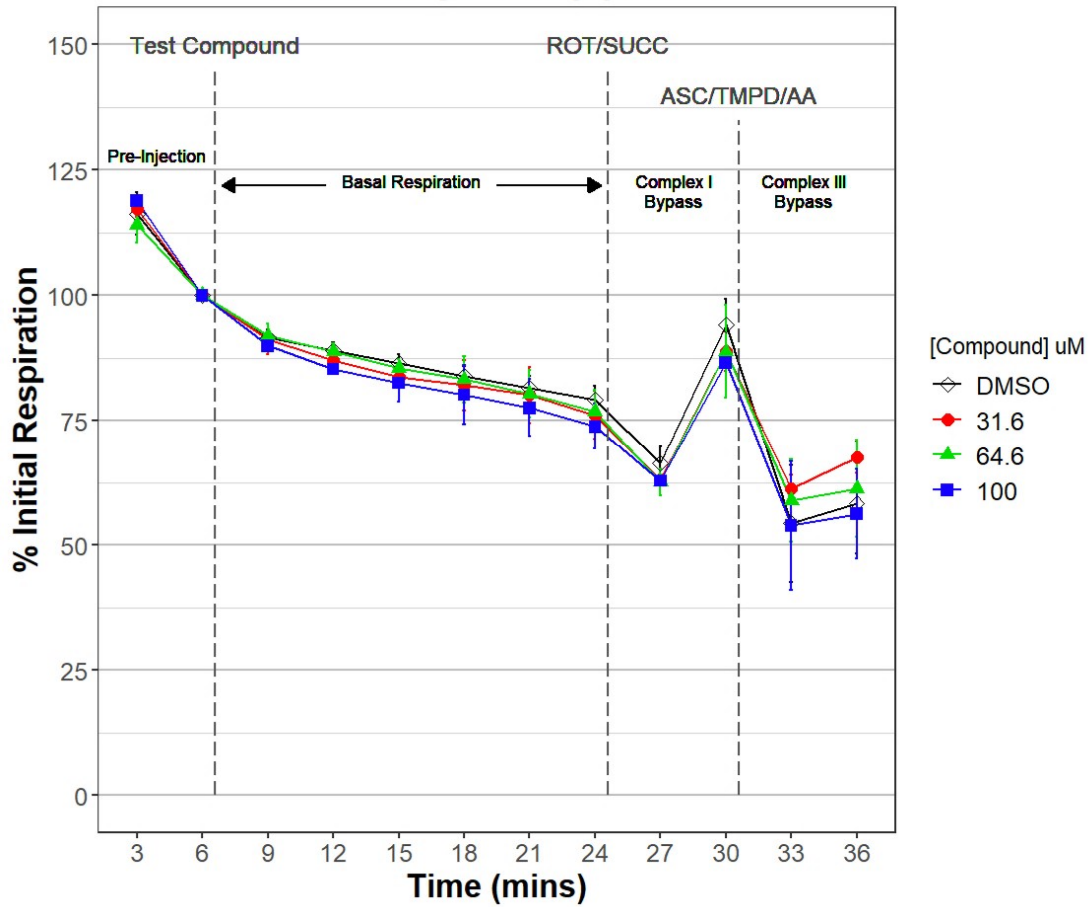
2-(Thiocyanomethylthio)benzothiazole



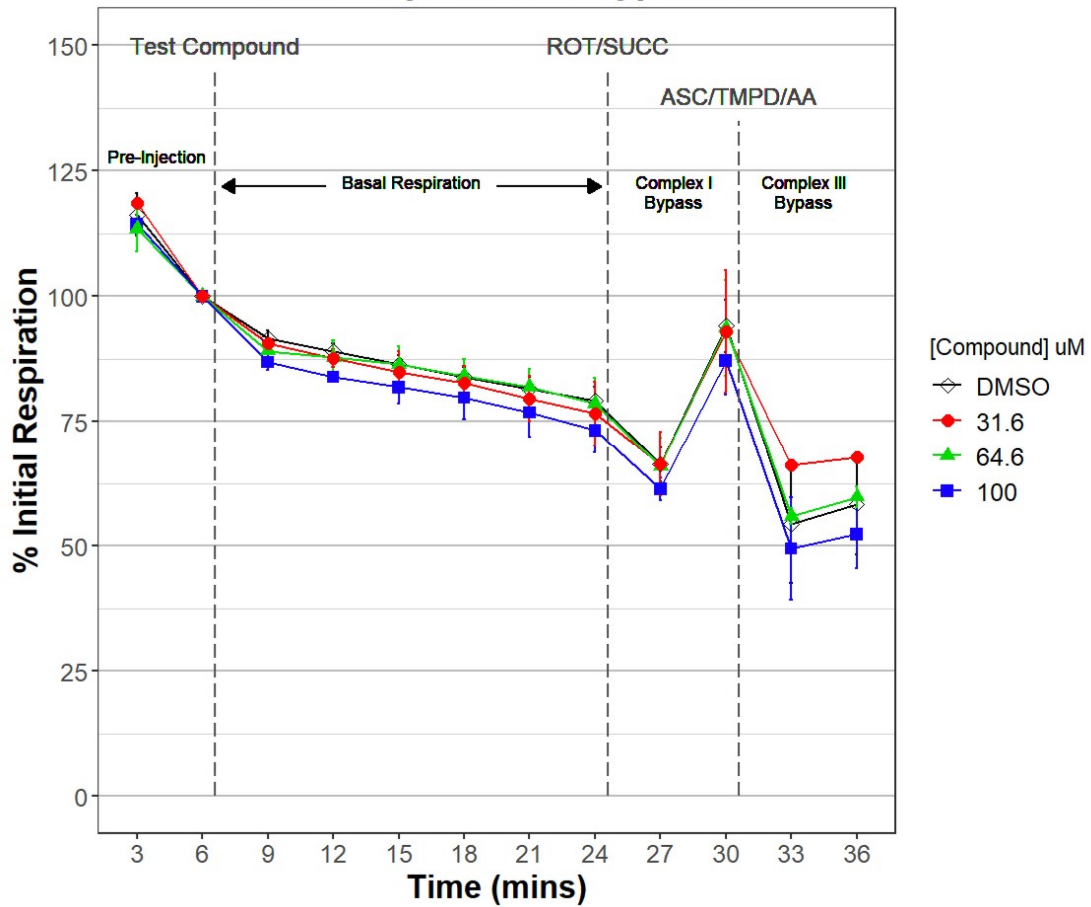
2-Tert-Butyl-5-methylphenol



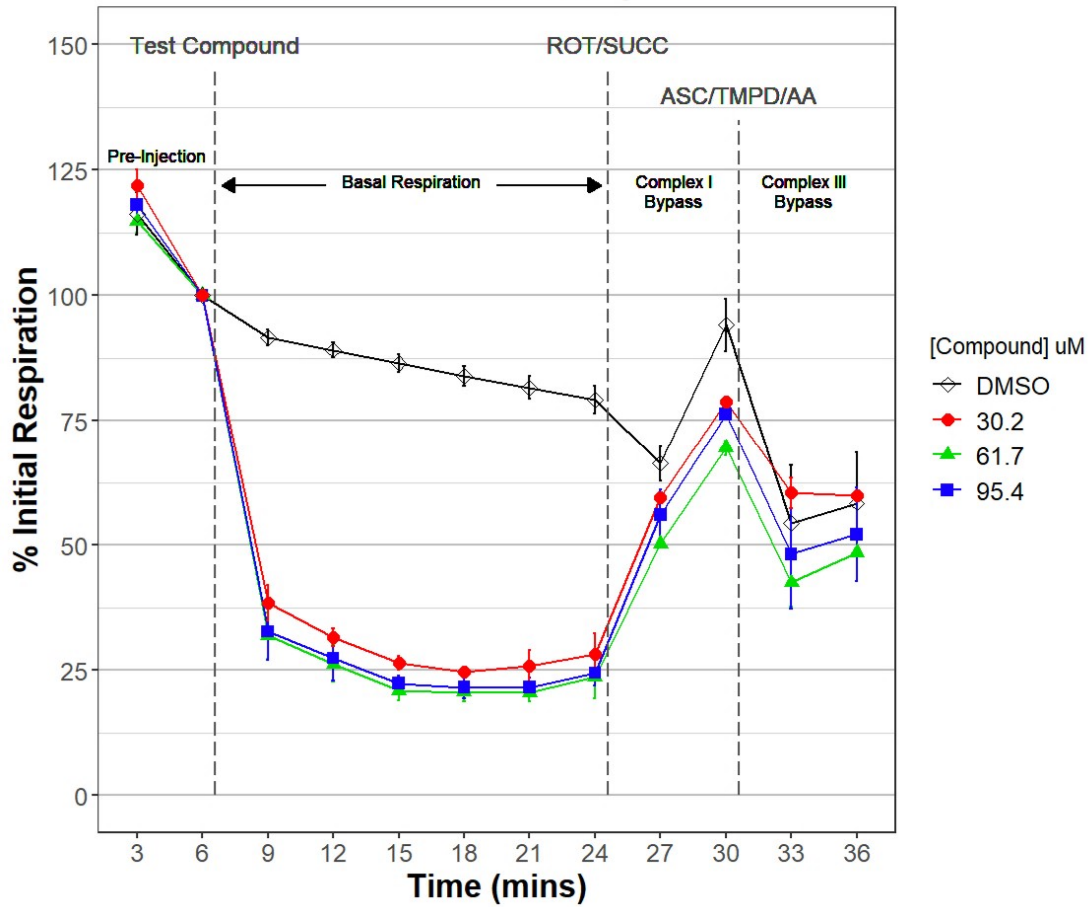
2-tert-Butyl-4-ethylphenol



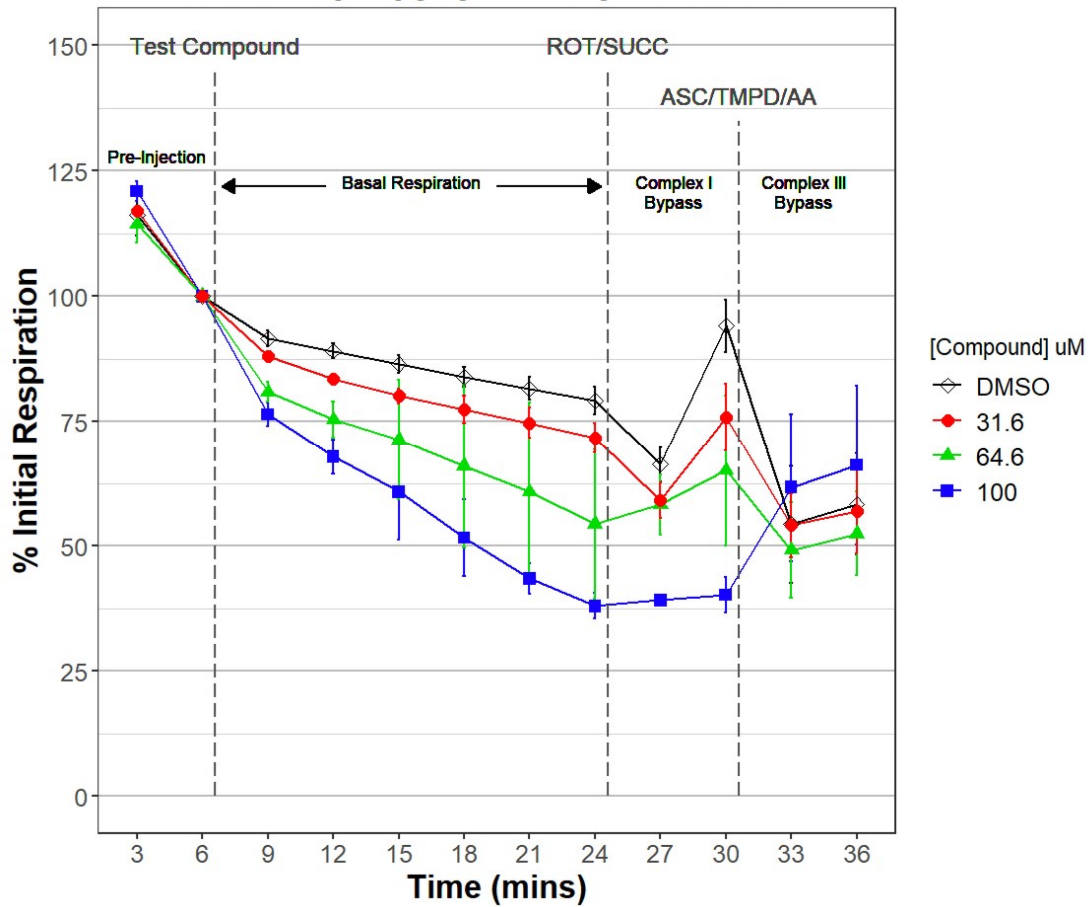
2-tert-Butyl-4-methoxyphenol



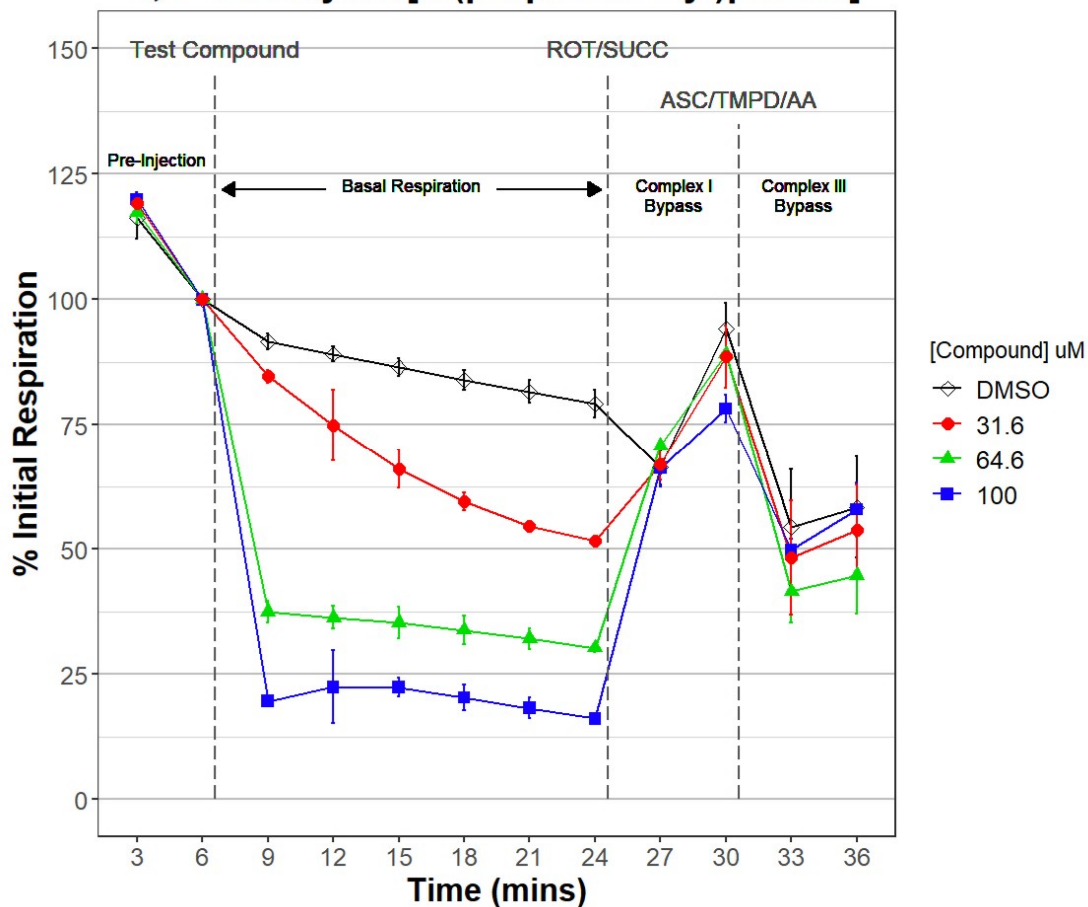
3,3',5,5'-Tetrabromobisphenol A



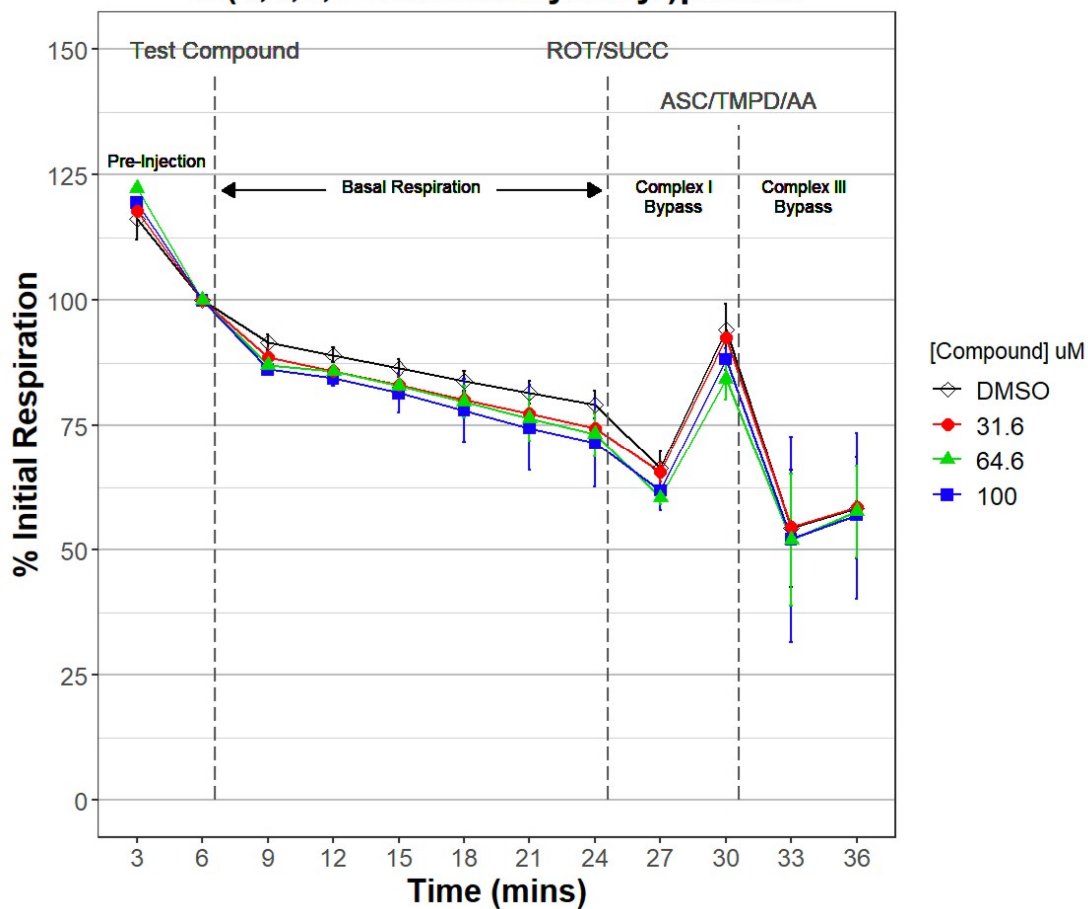
3-Iodo-2-propynyl-N-butylcarbamate



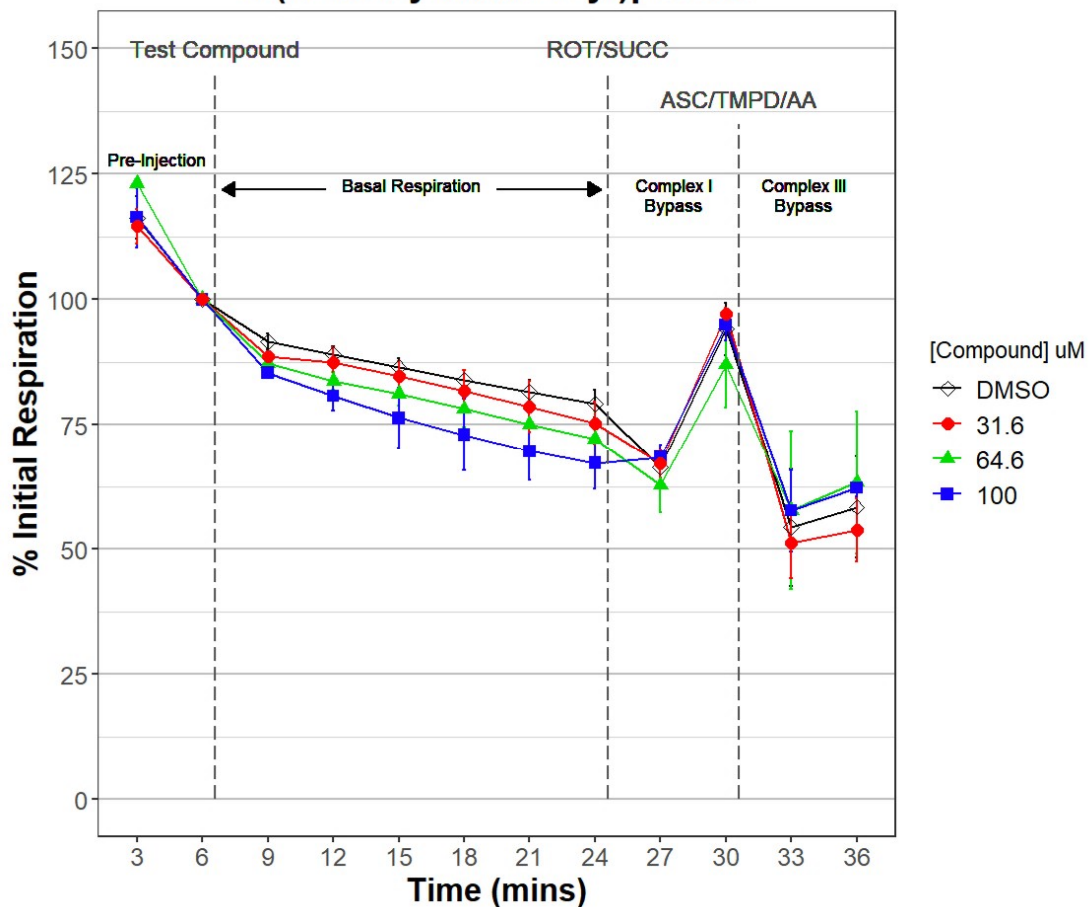
4,4'-Sulfonylbis[2-(prop-2-en-1-yl)phenol]



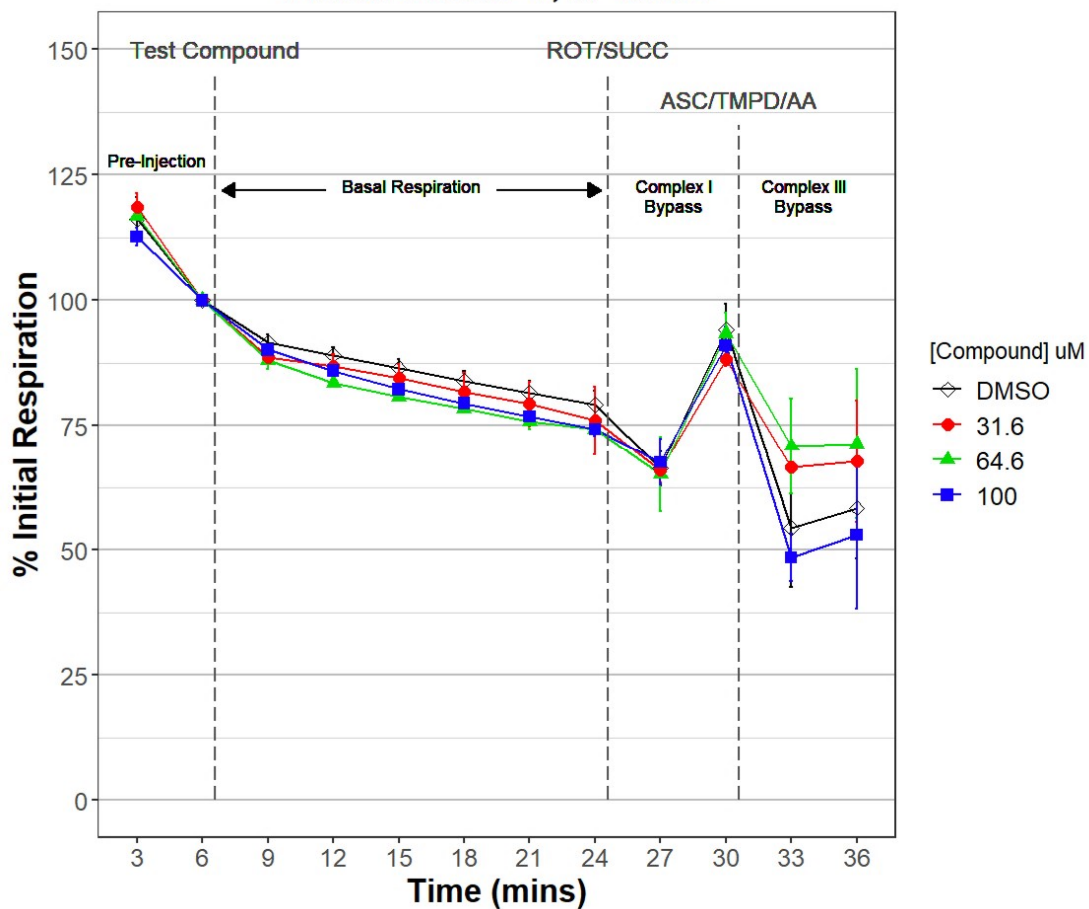
4-(1,1,3,3-Tetramethylbutyl)phenol



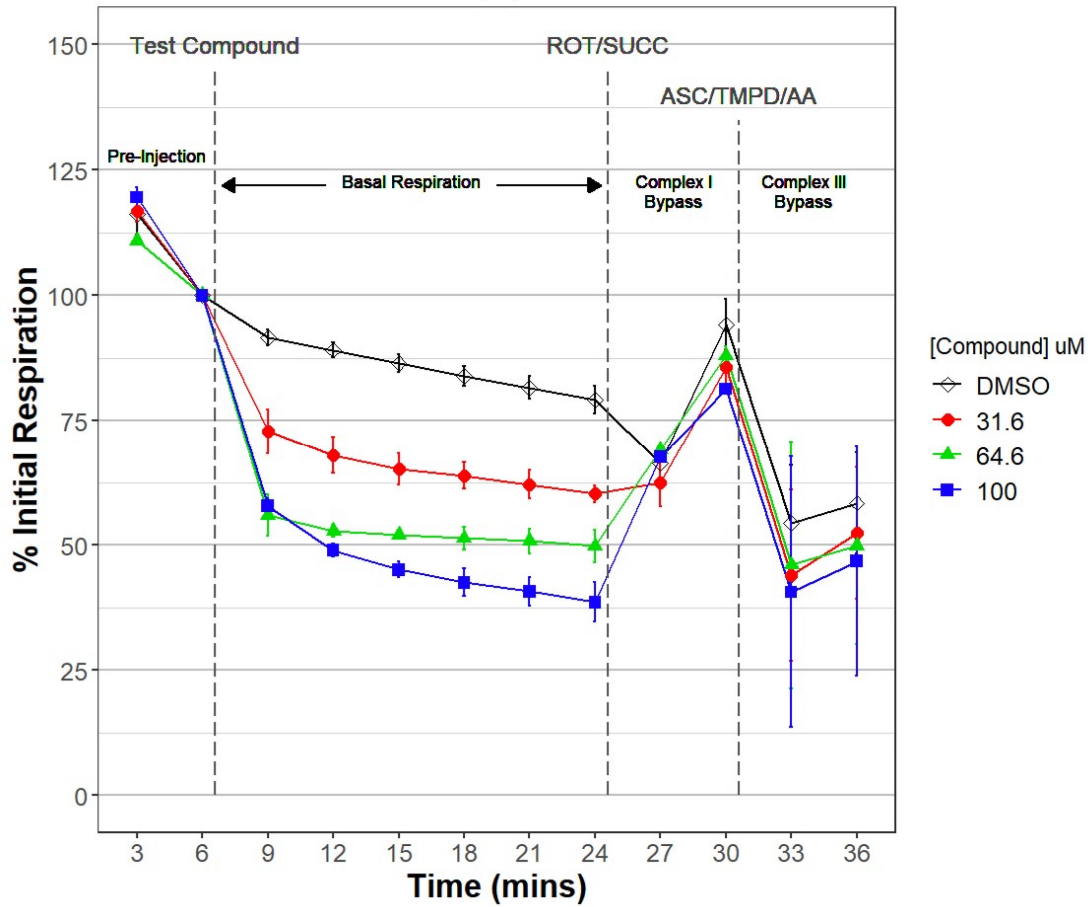
4-(2-Methylbutan-2-yl)phenol



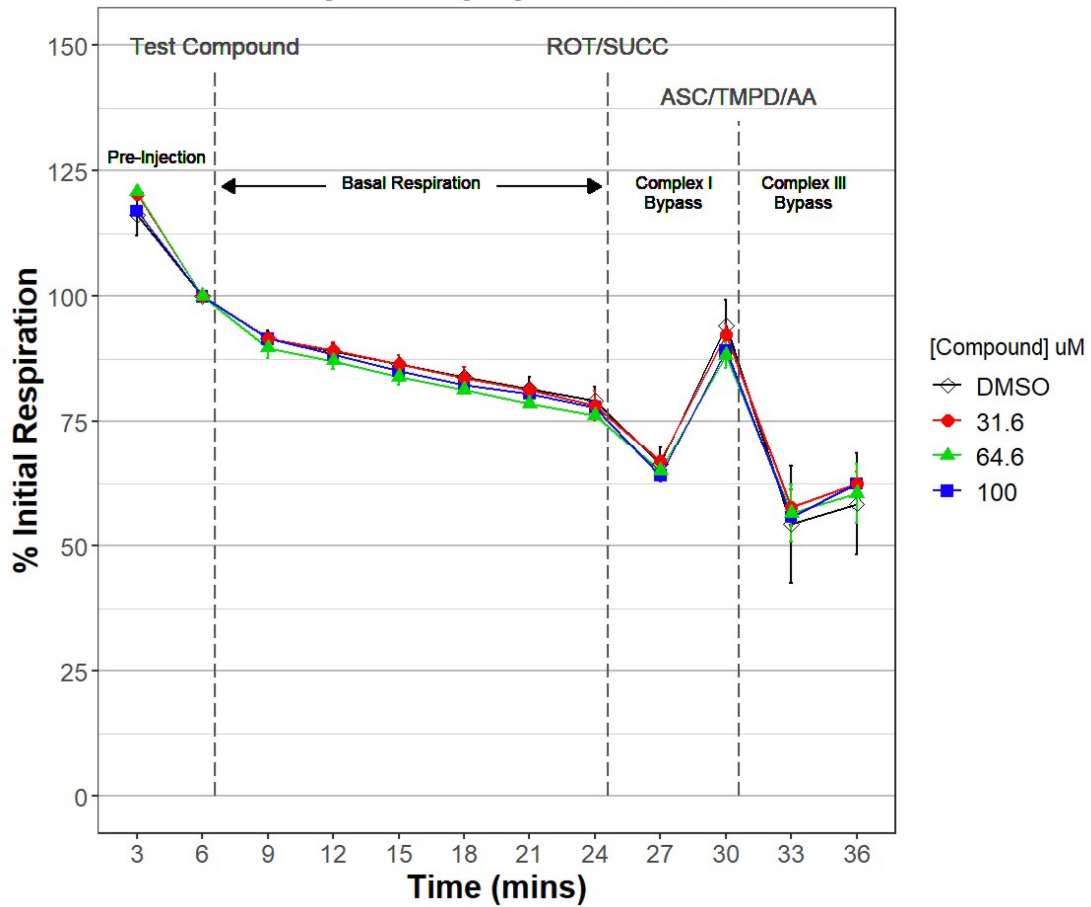
4-Androstene-3,17-dione



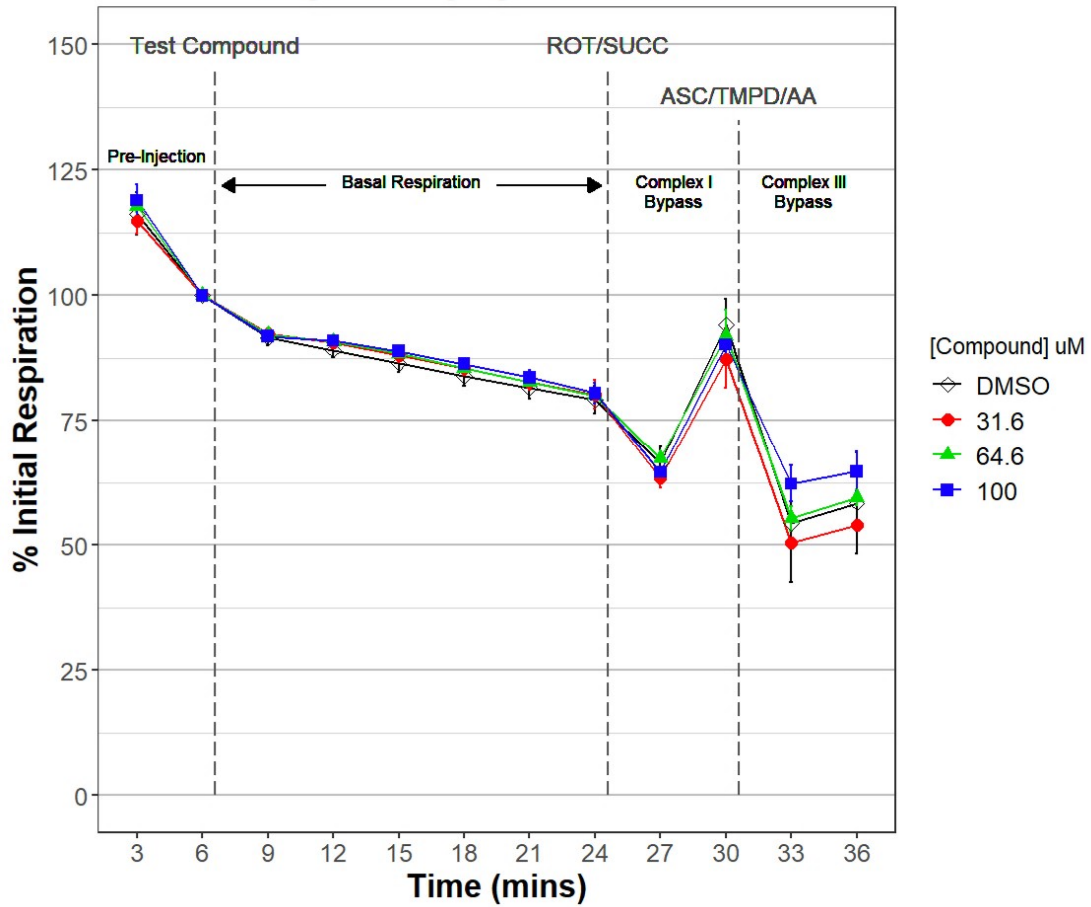
4-Cumylphenol



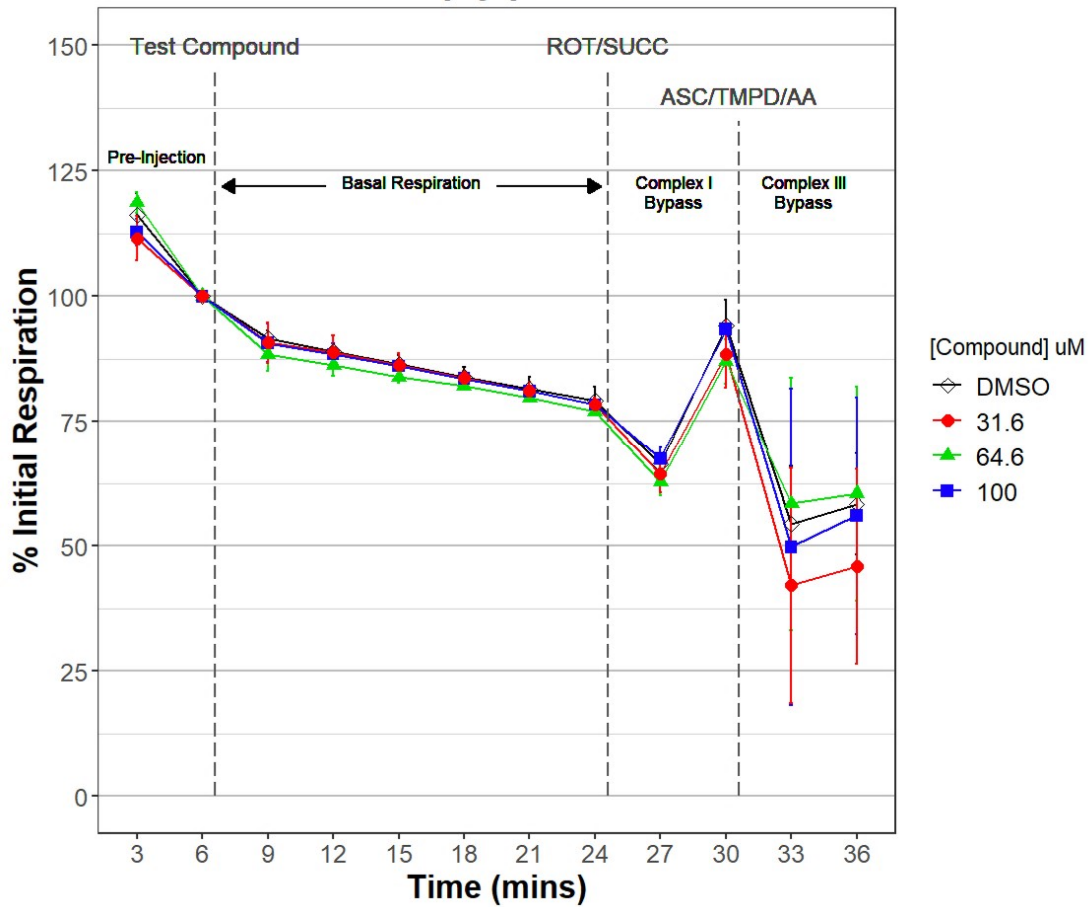
4-Cyclohexylcyclohexanol



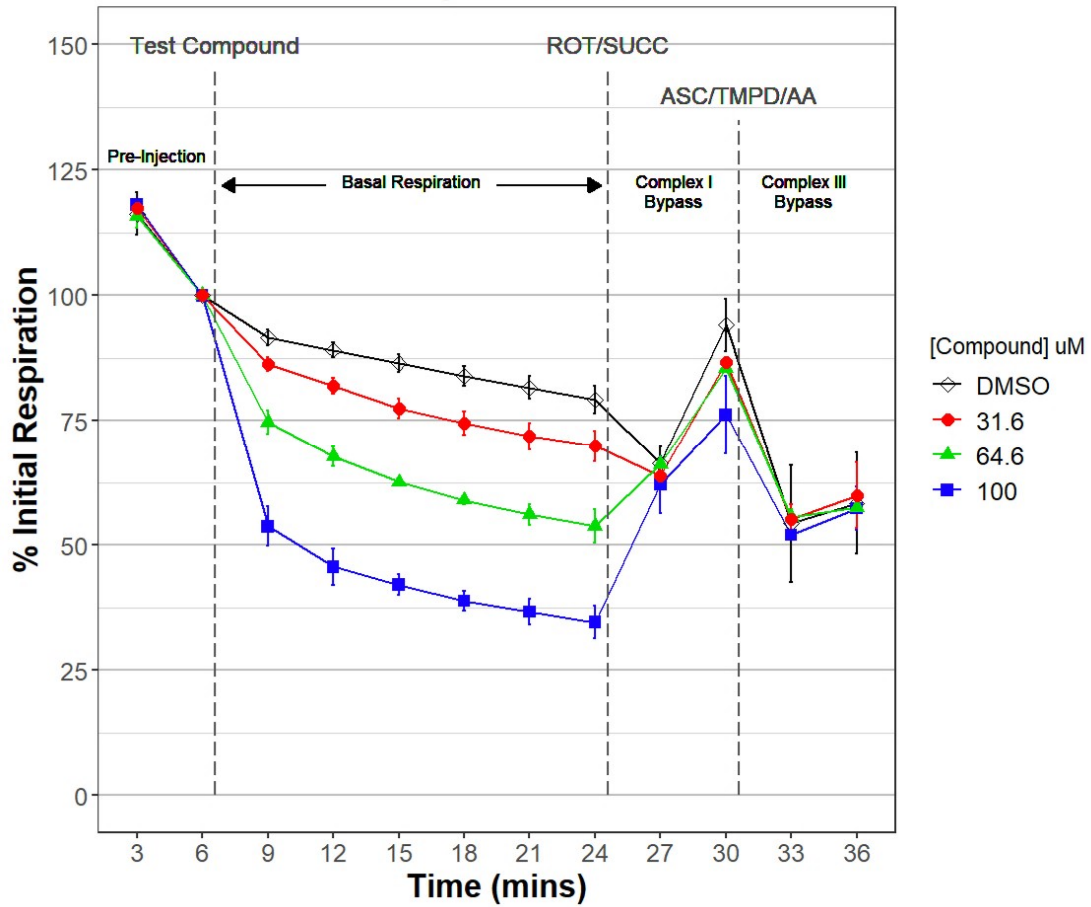
4-Cyclohexylcyclohexanone



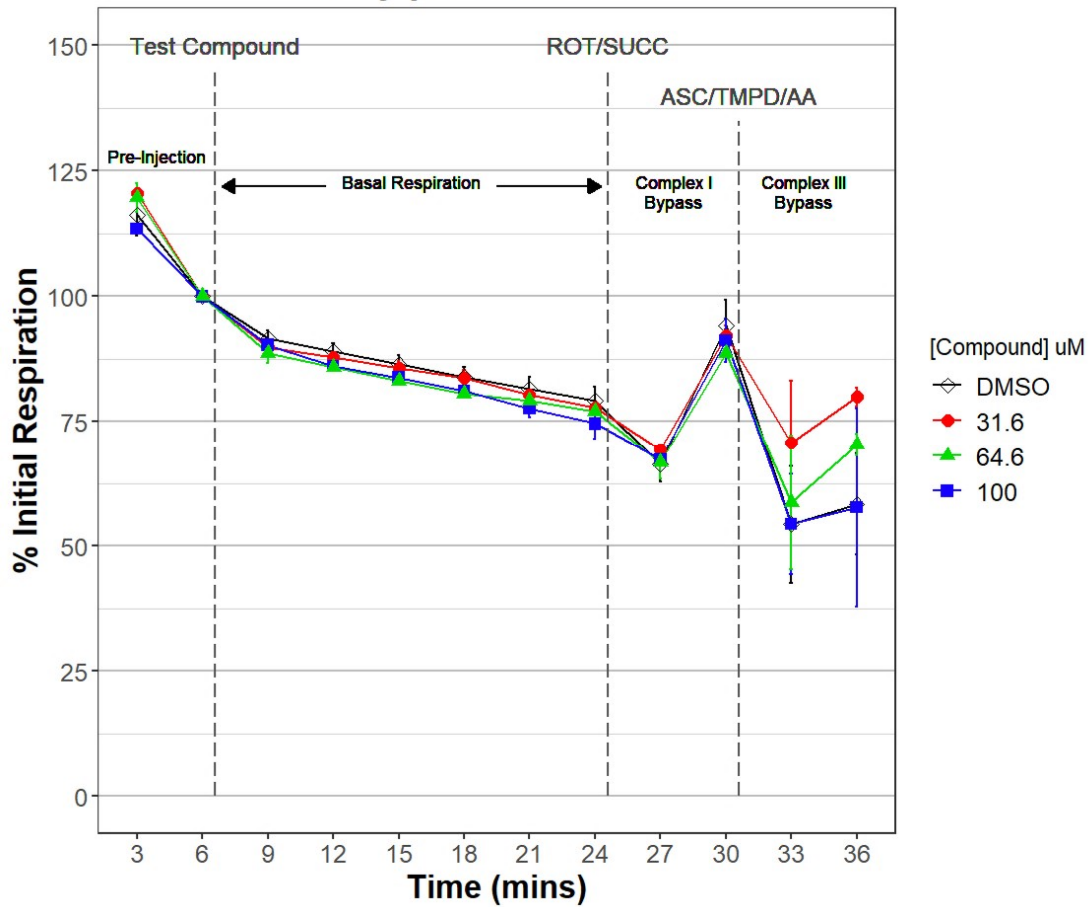
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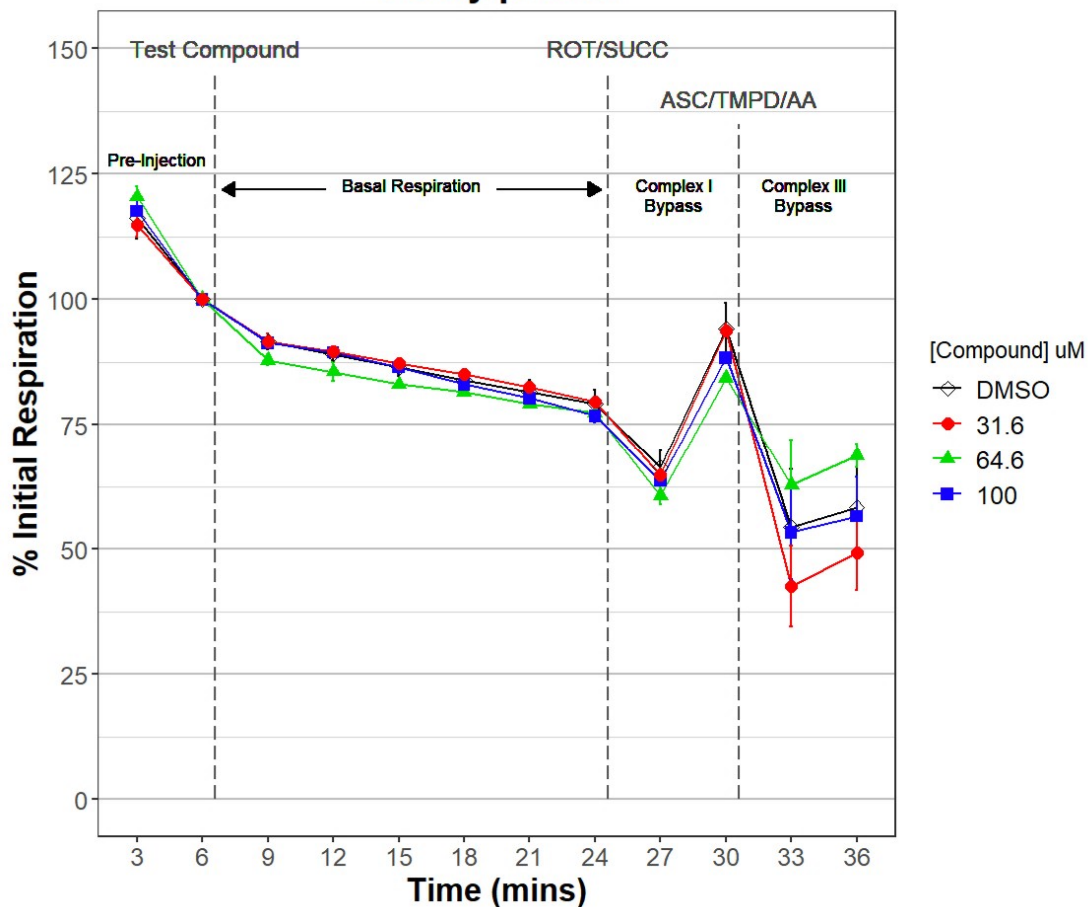
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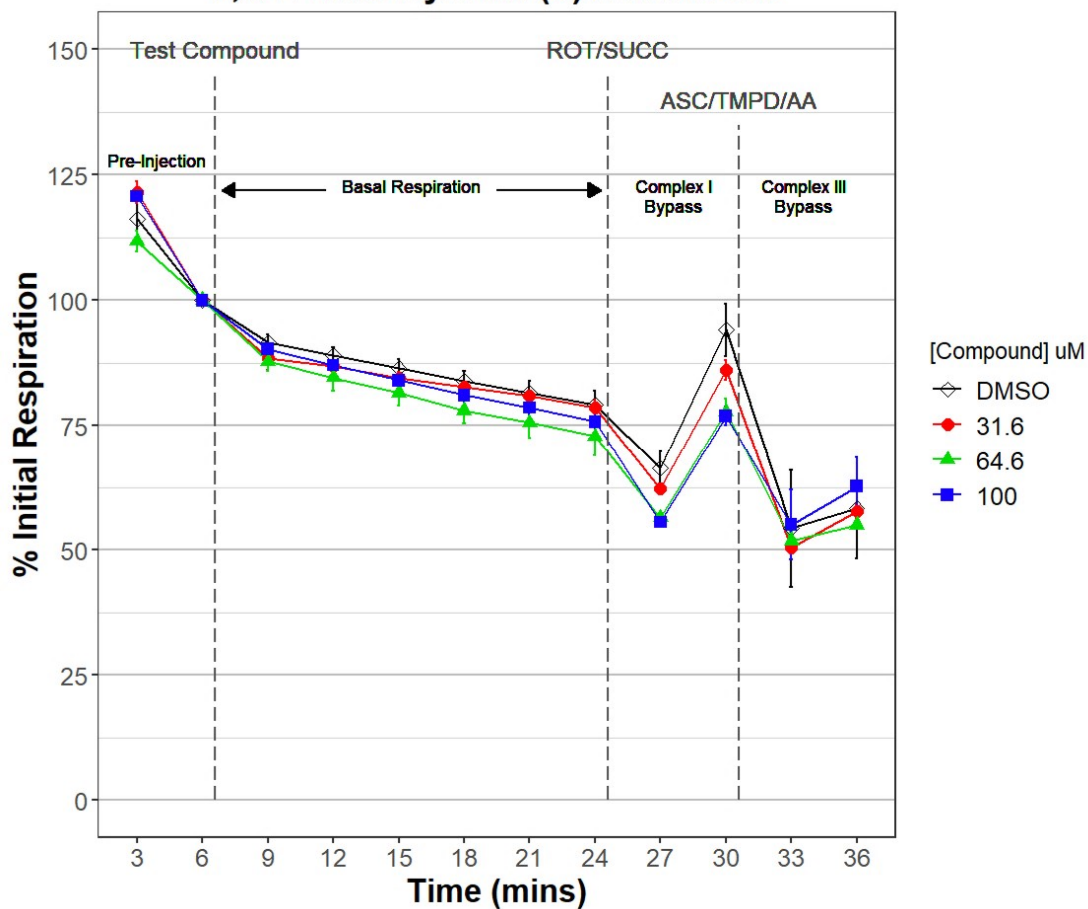
4-Nonylphenol, branched



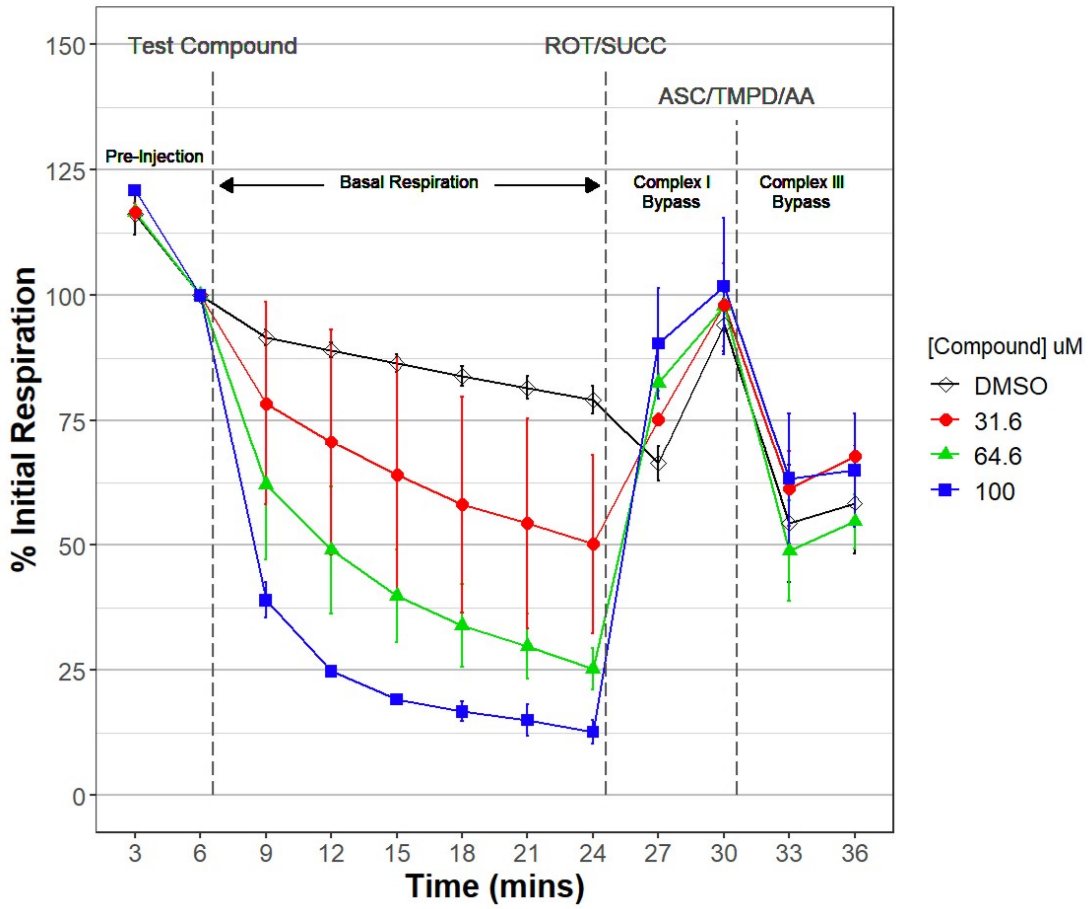
4-Octylphenol



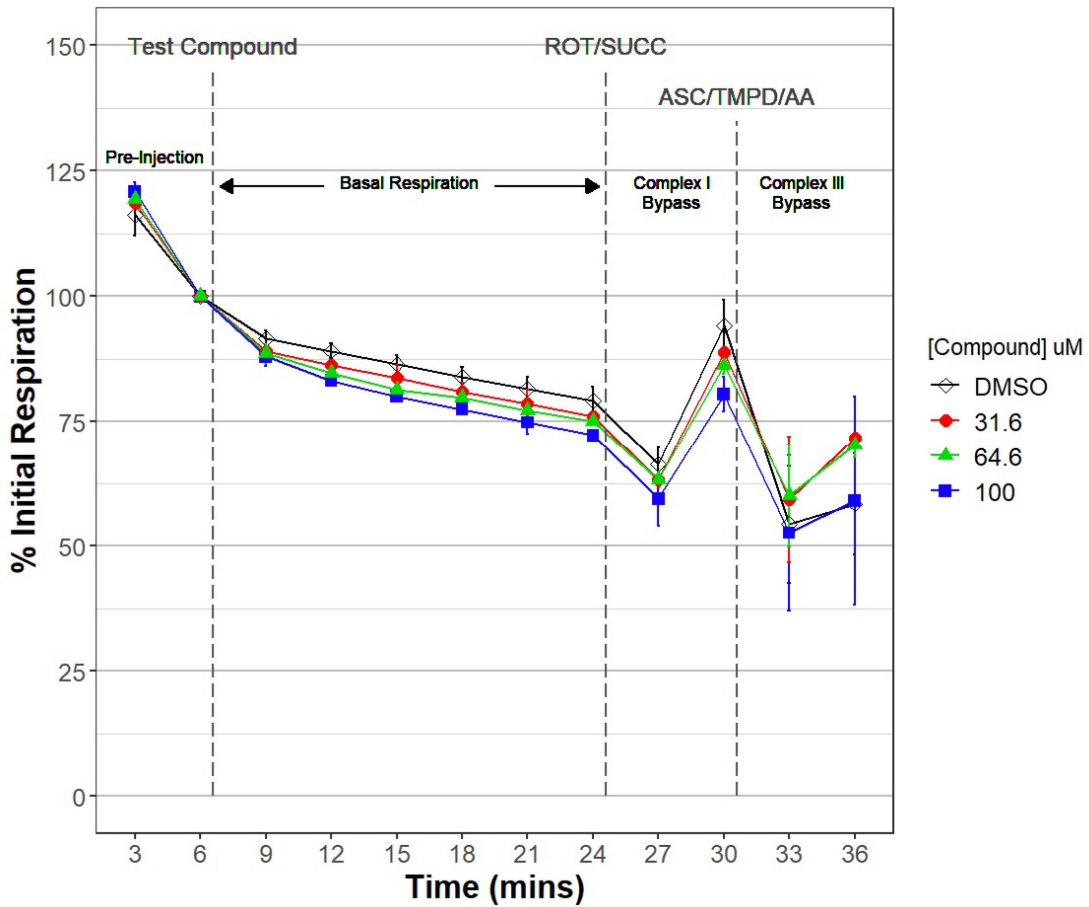
7,12-Dimethylbenz(a)anthracene



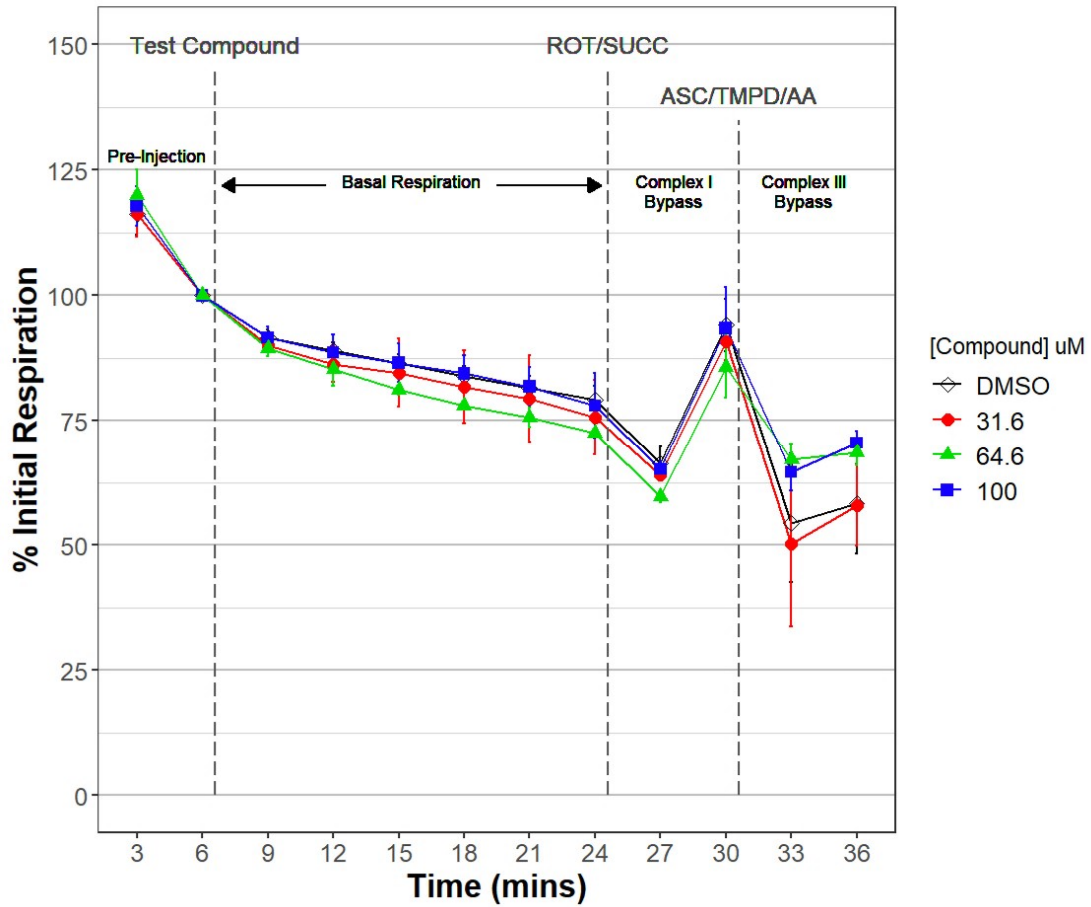
AVE5638



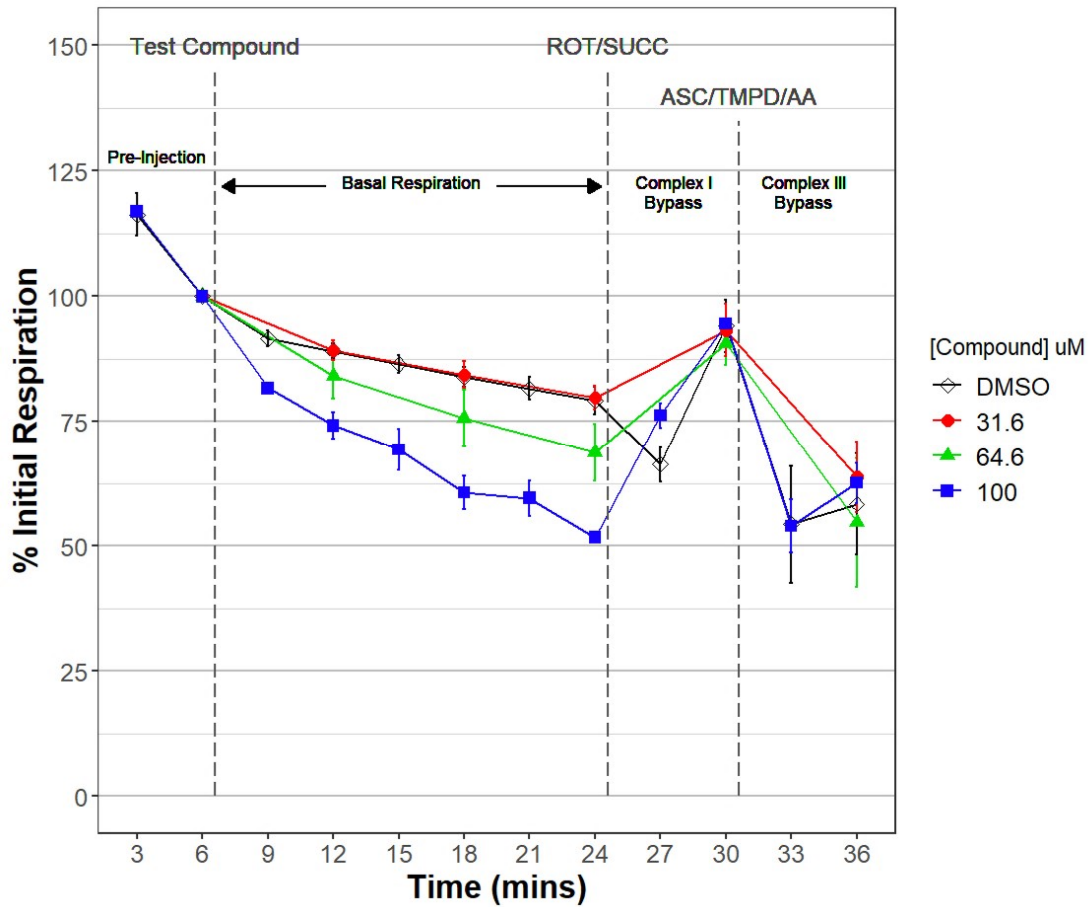
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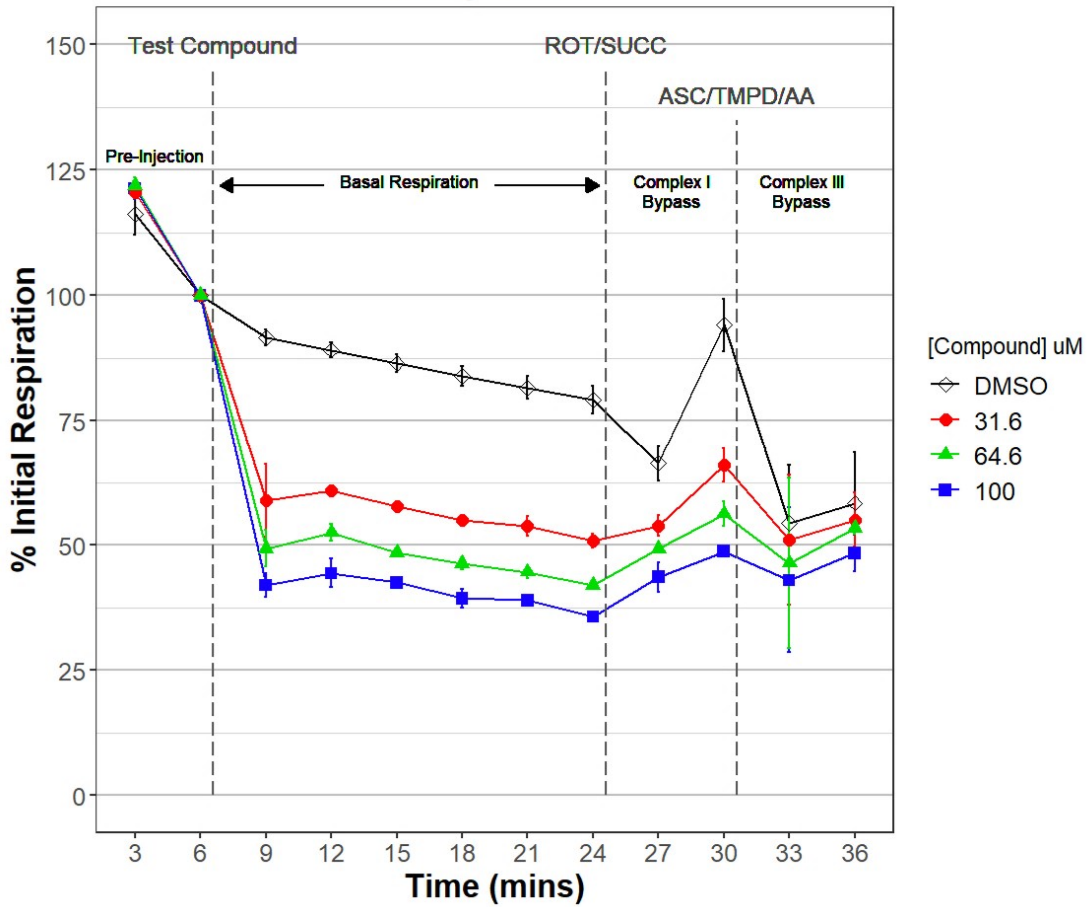
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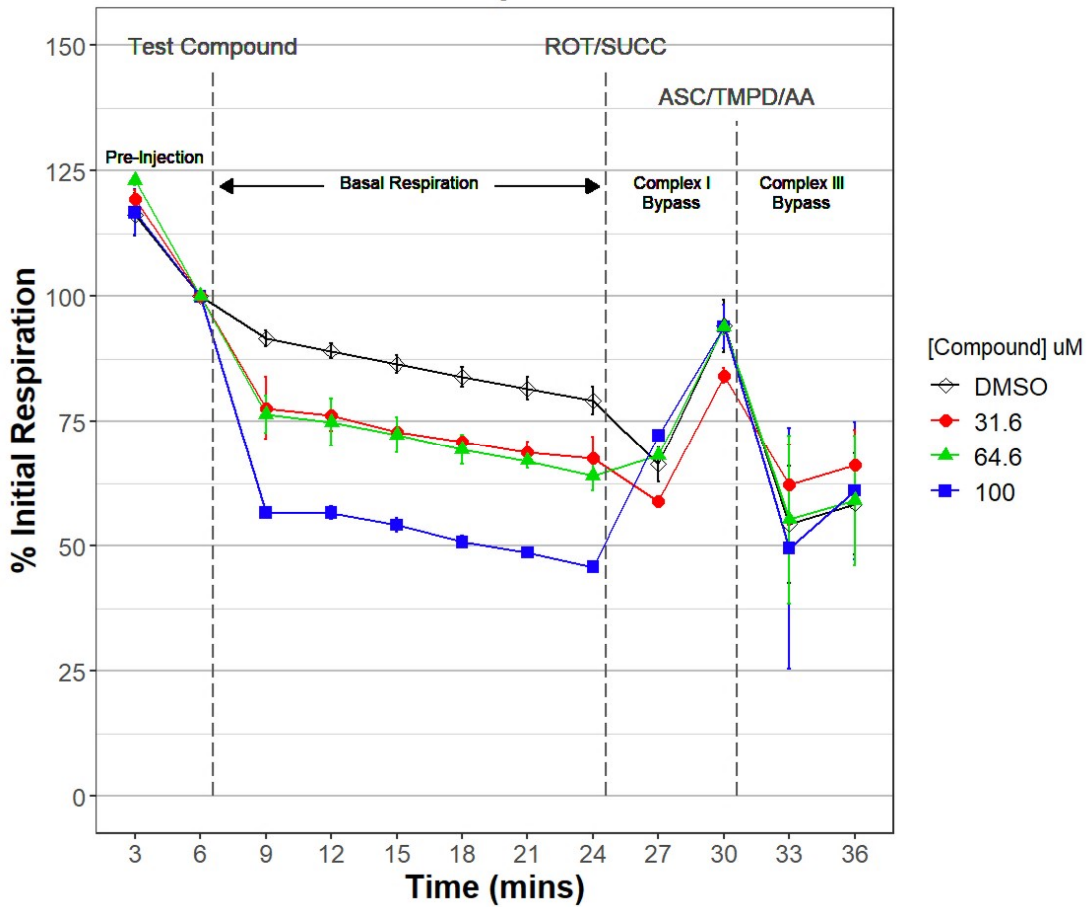
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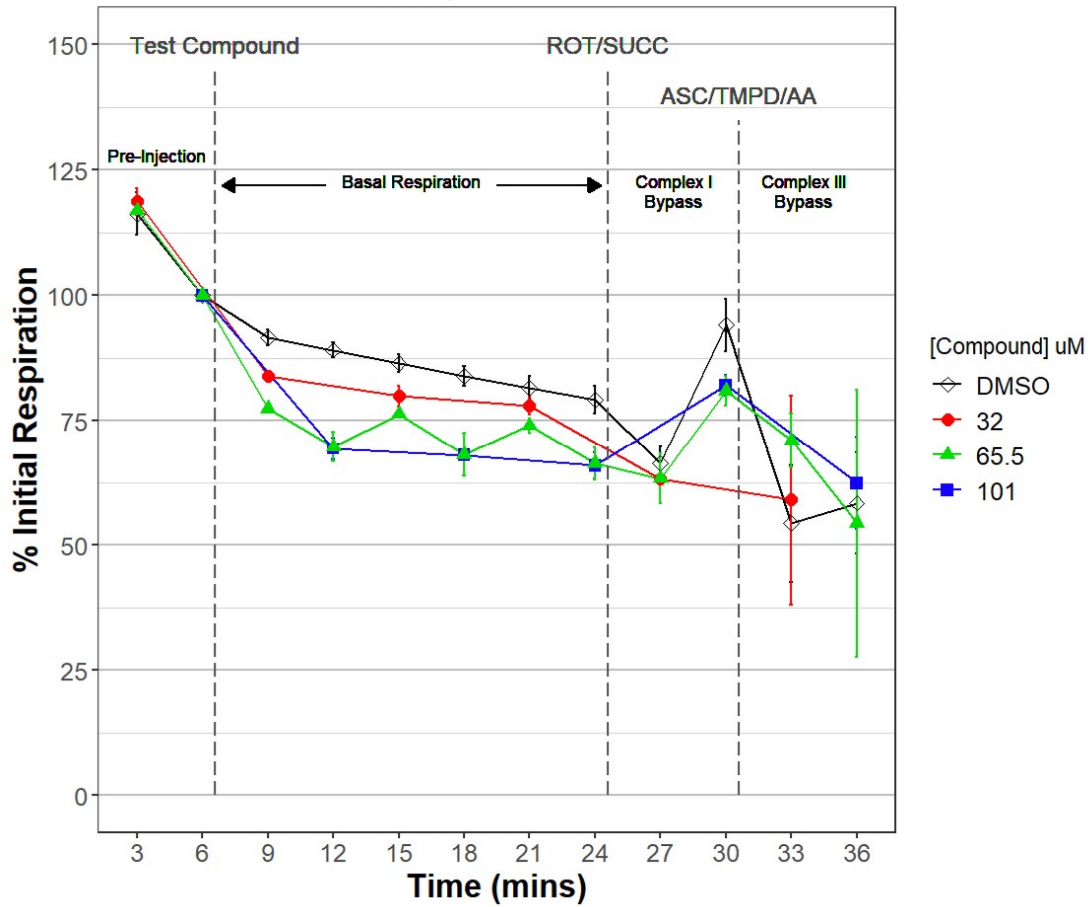
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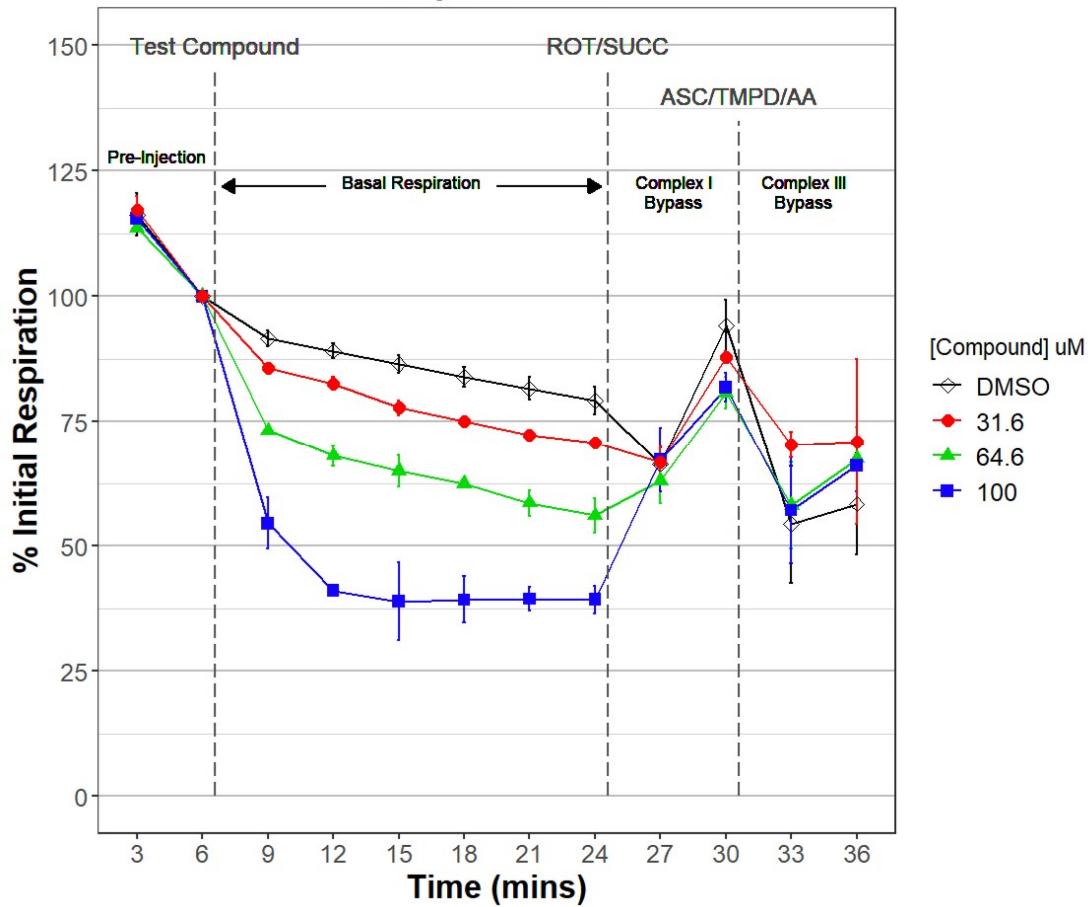
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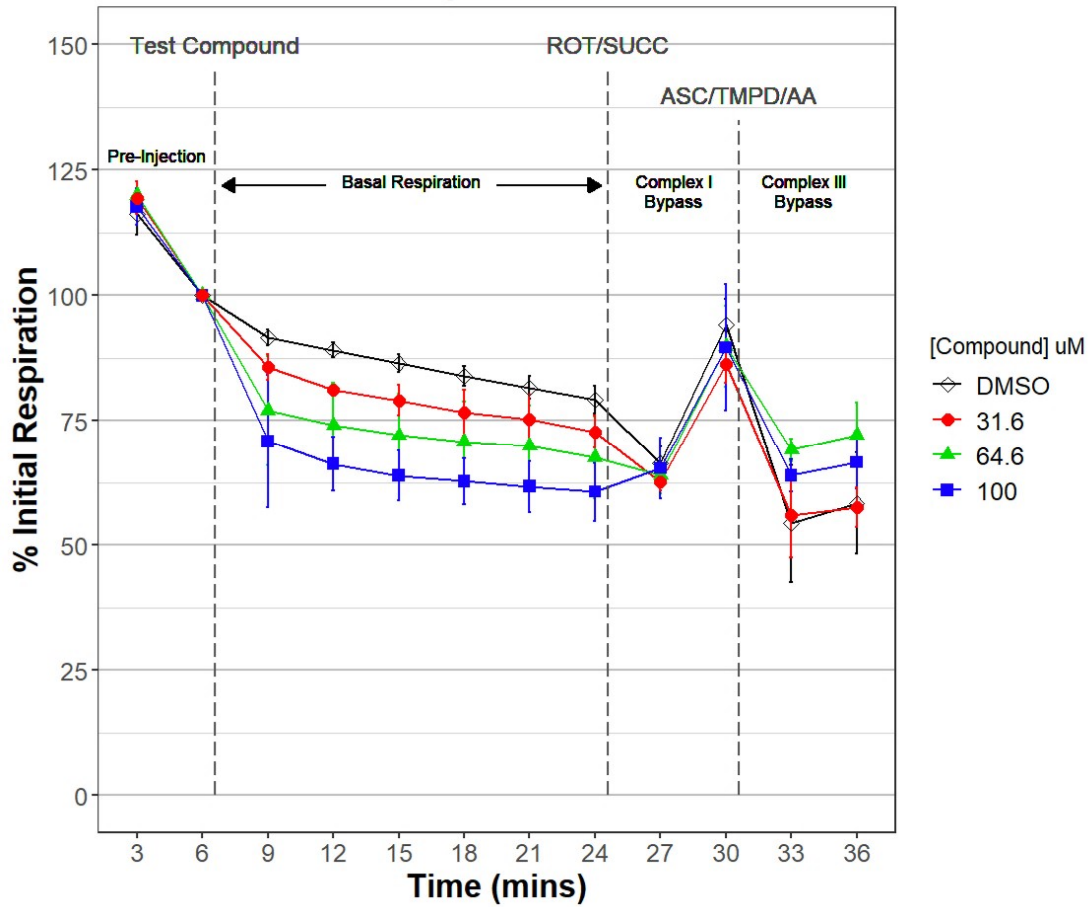
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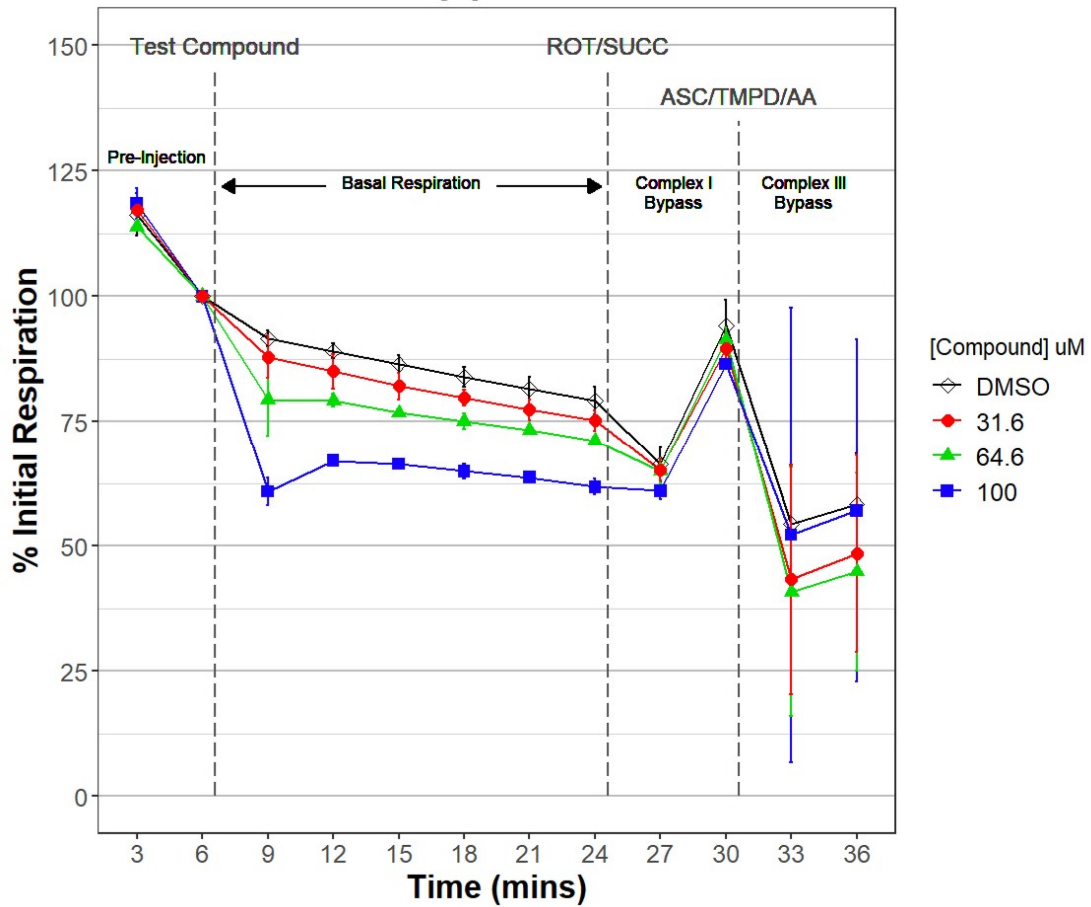
Bisphenol AF



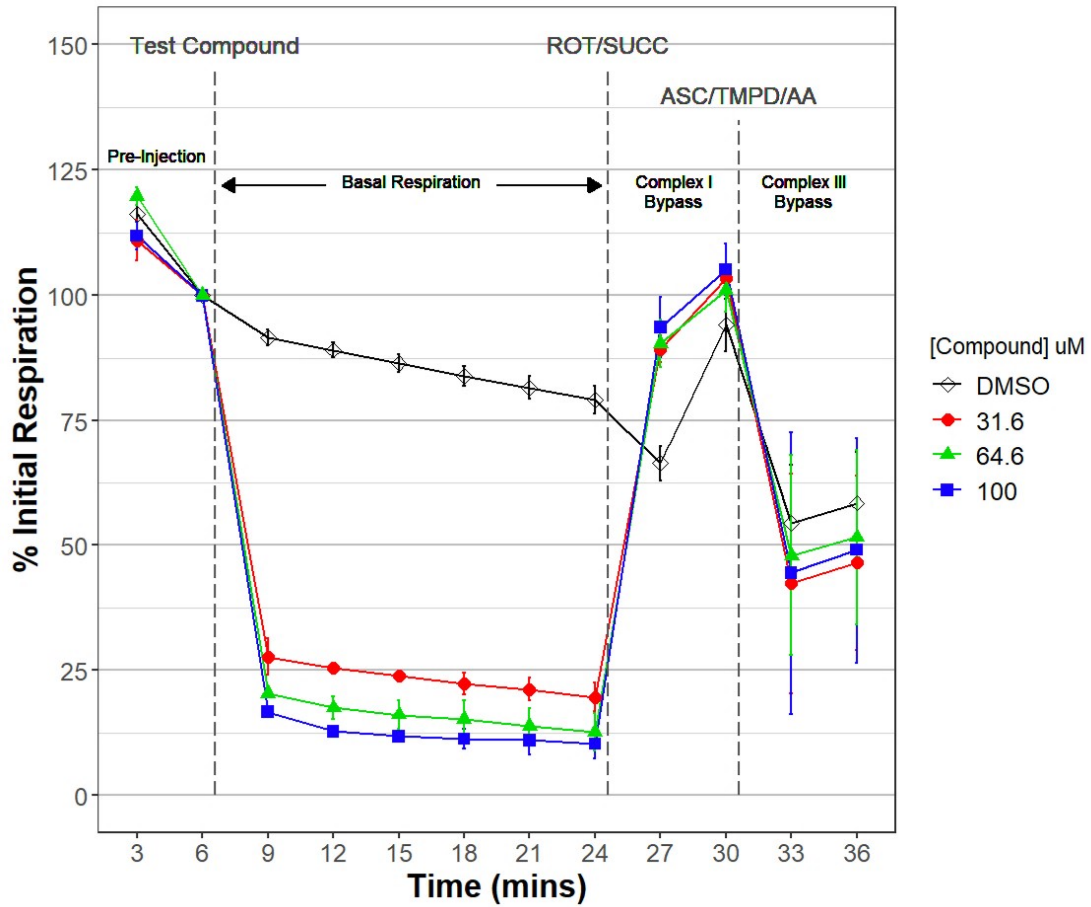
Bisphenol B



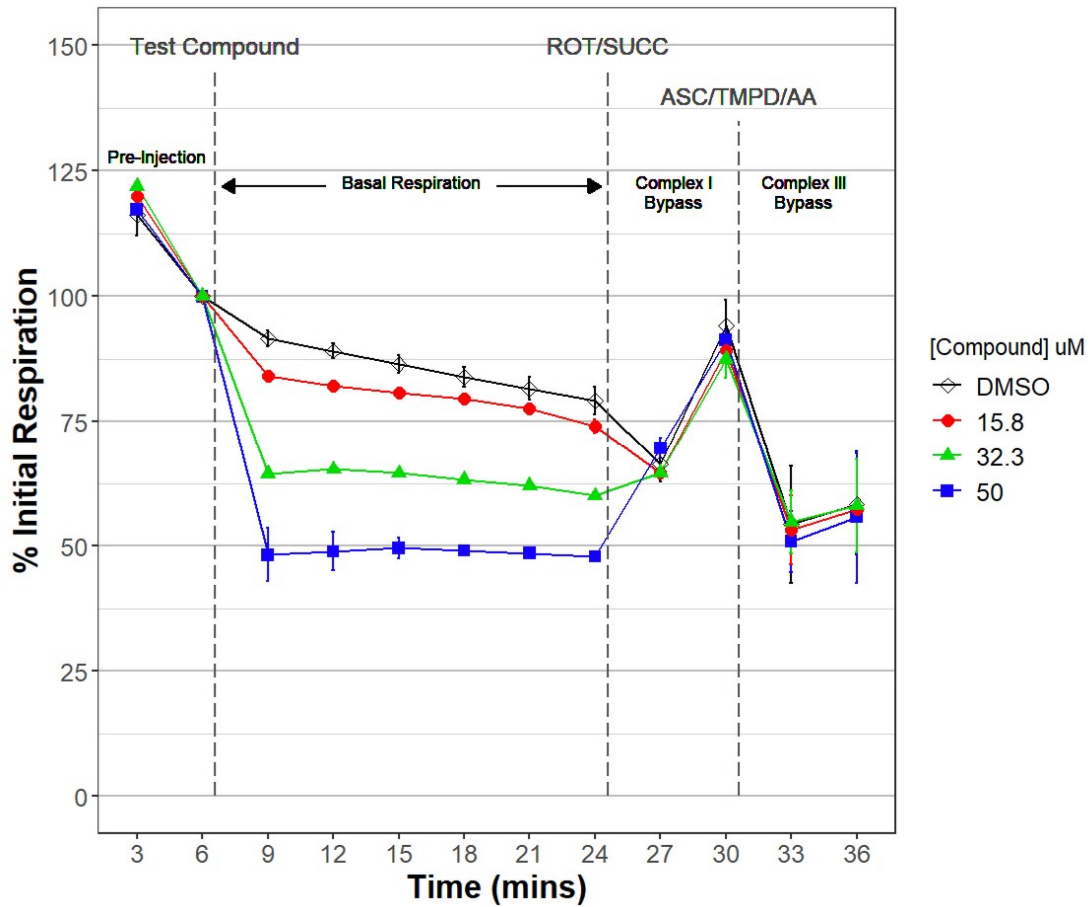
Butylparaben



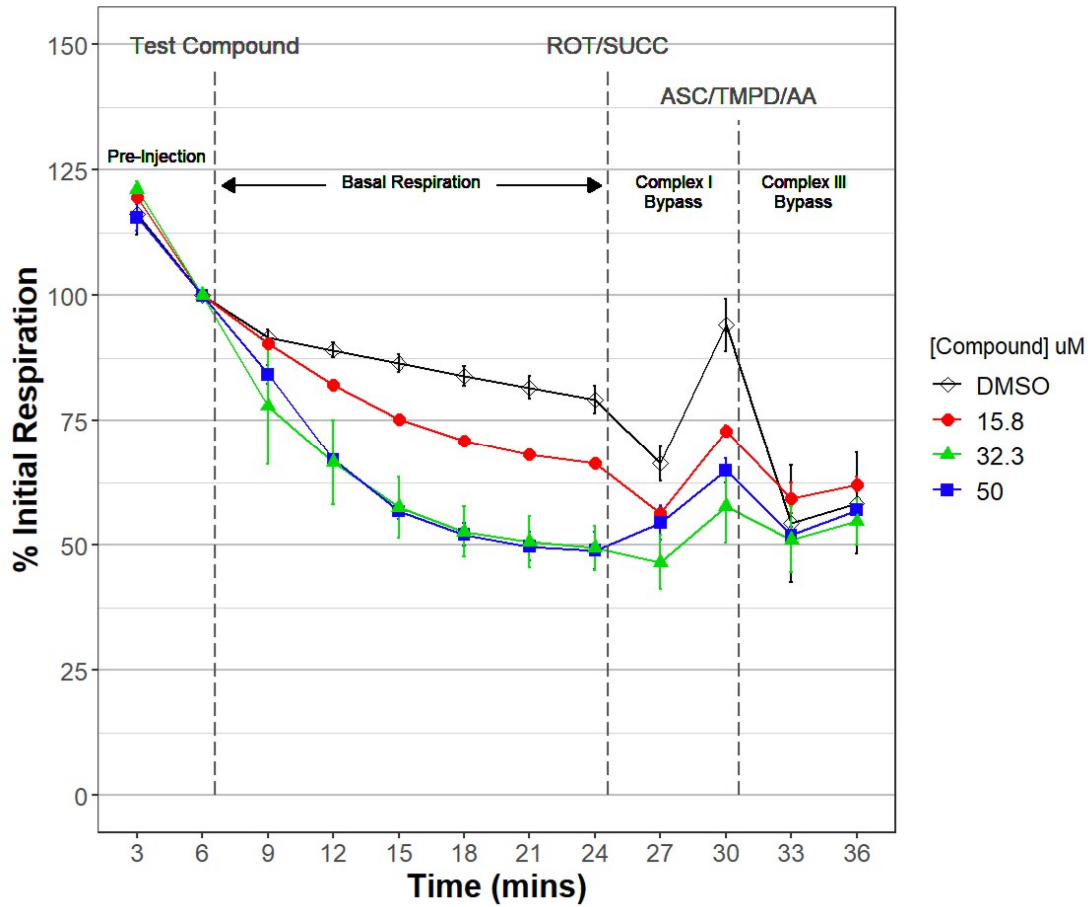
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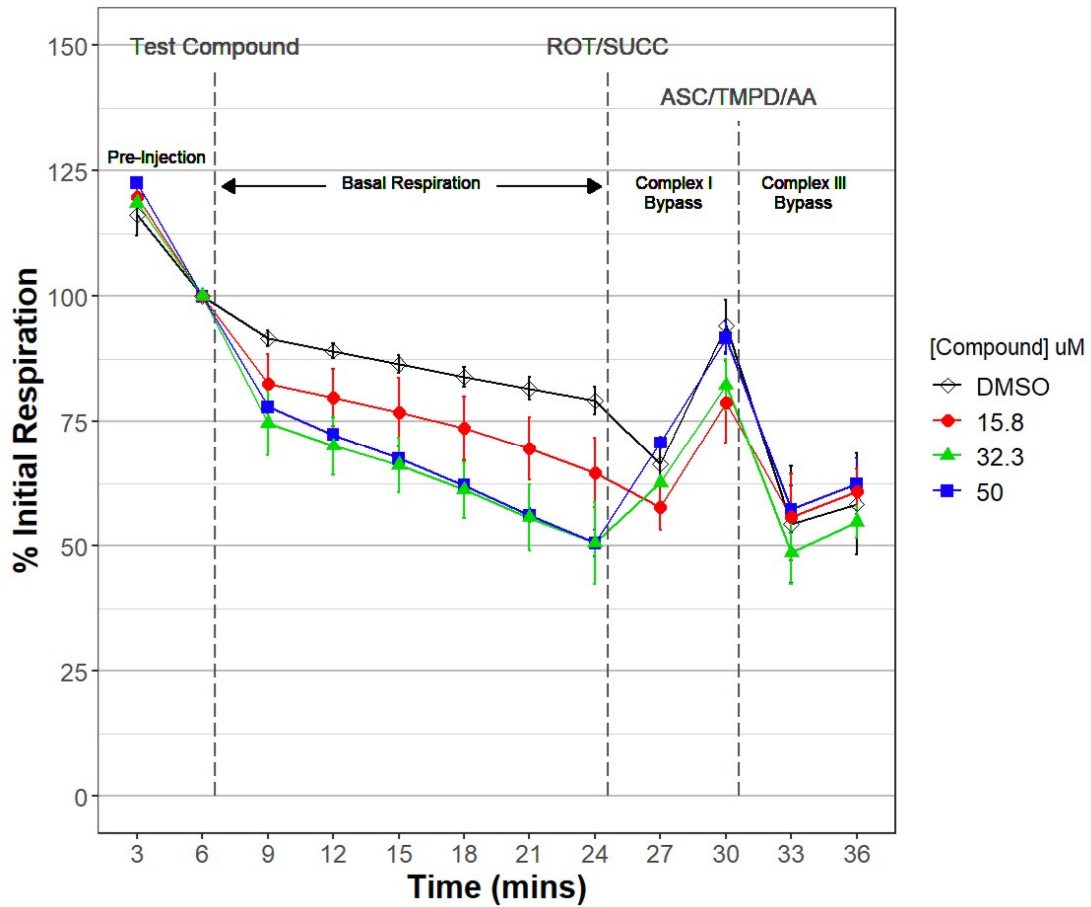
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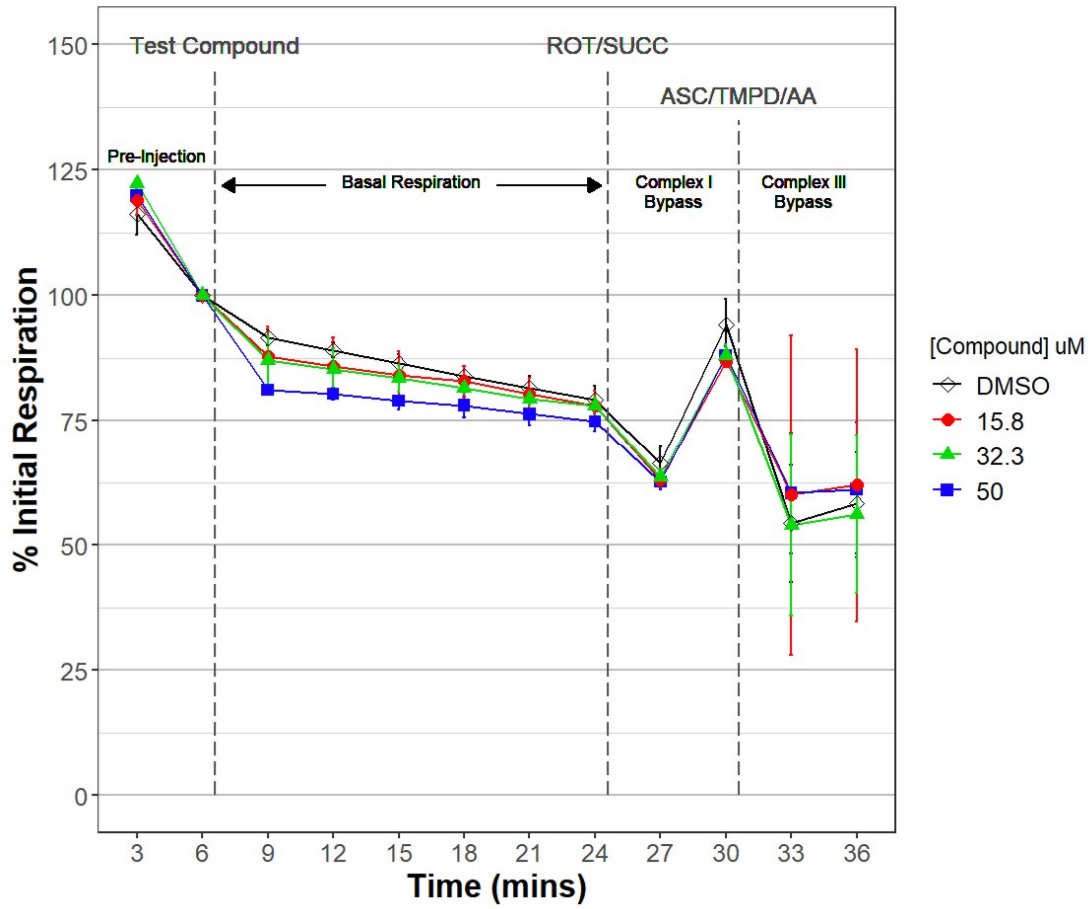
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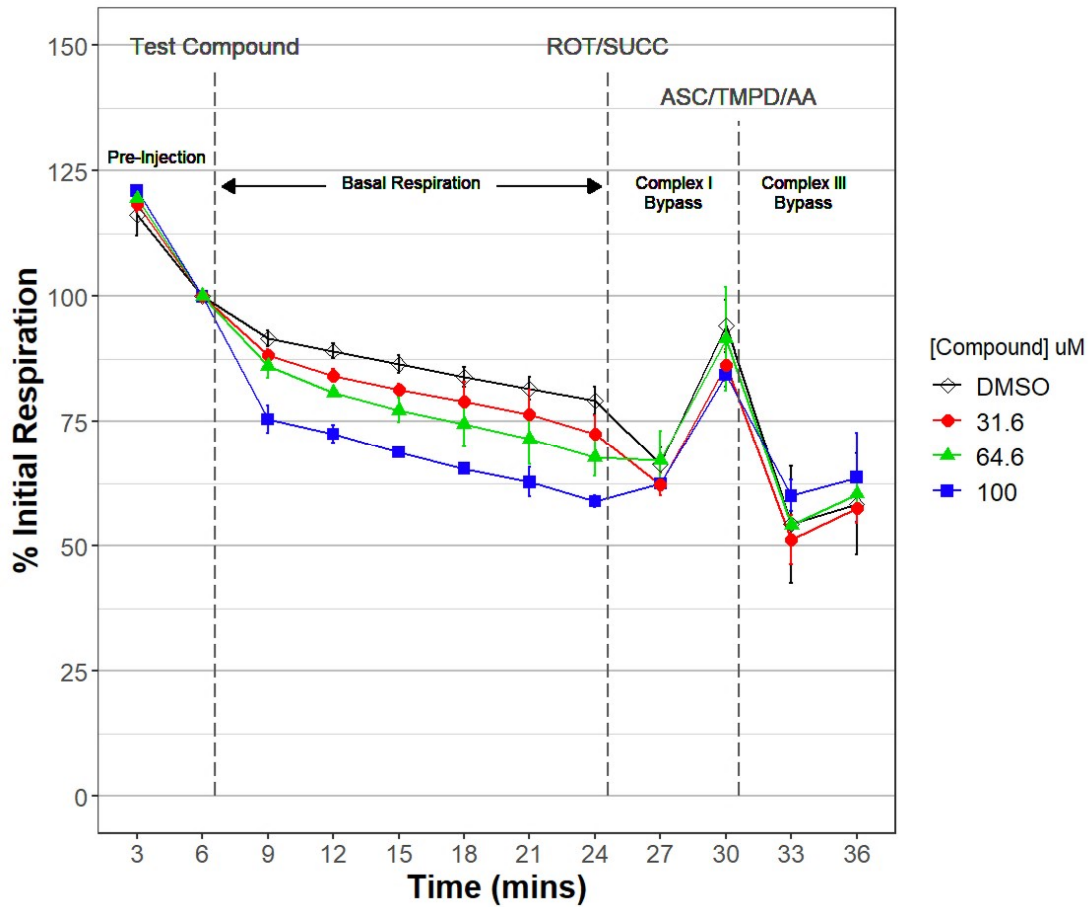
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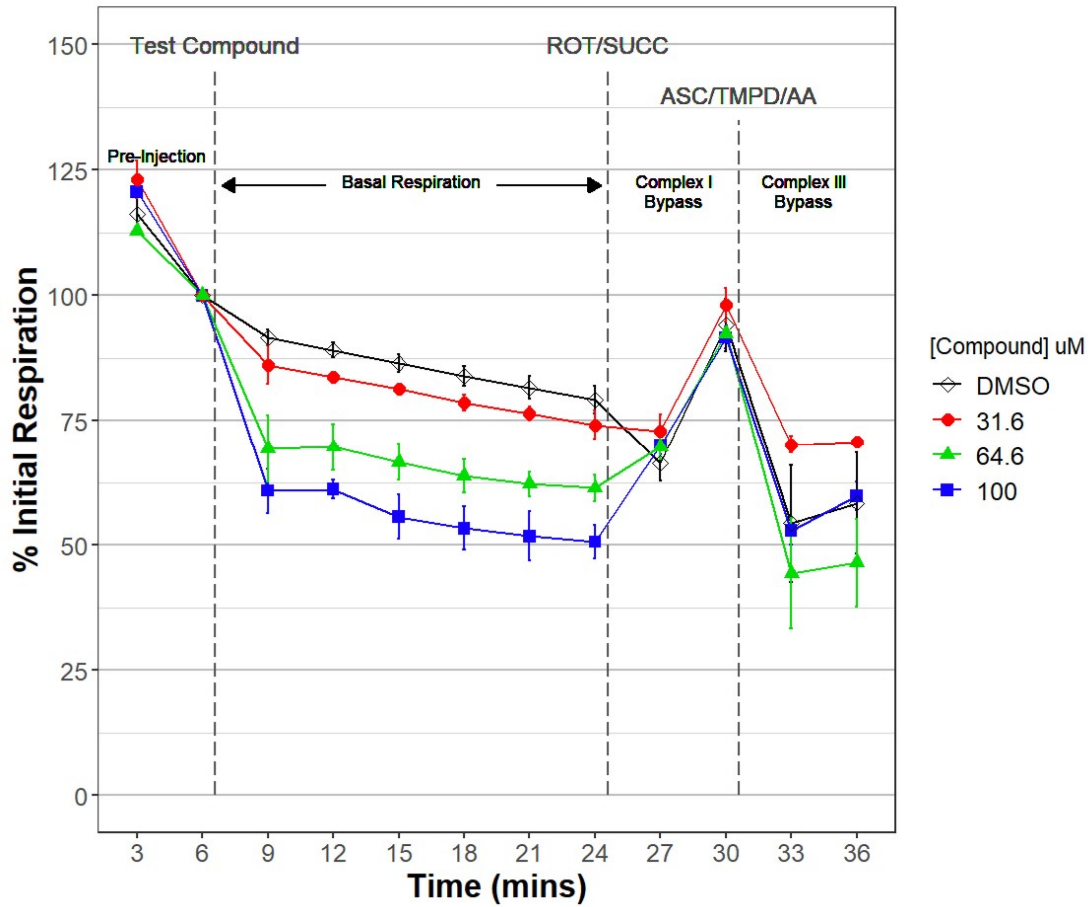
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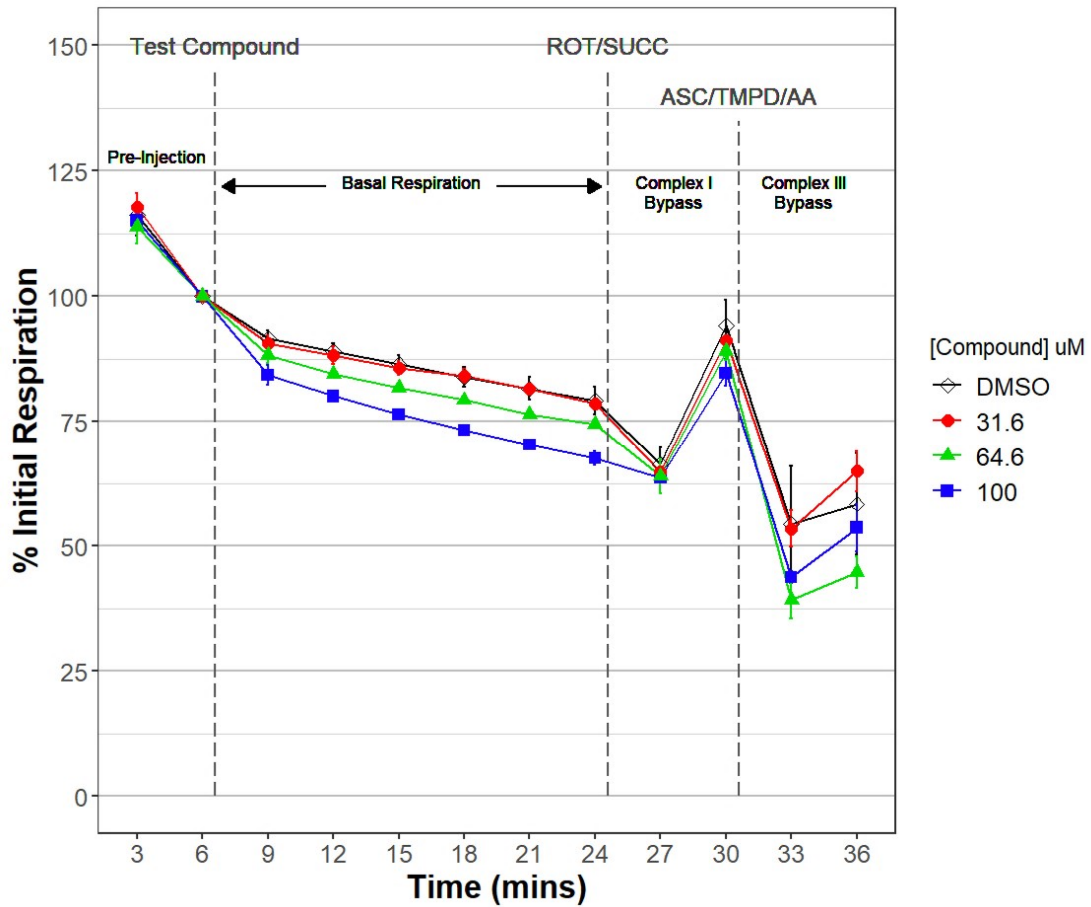
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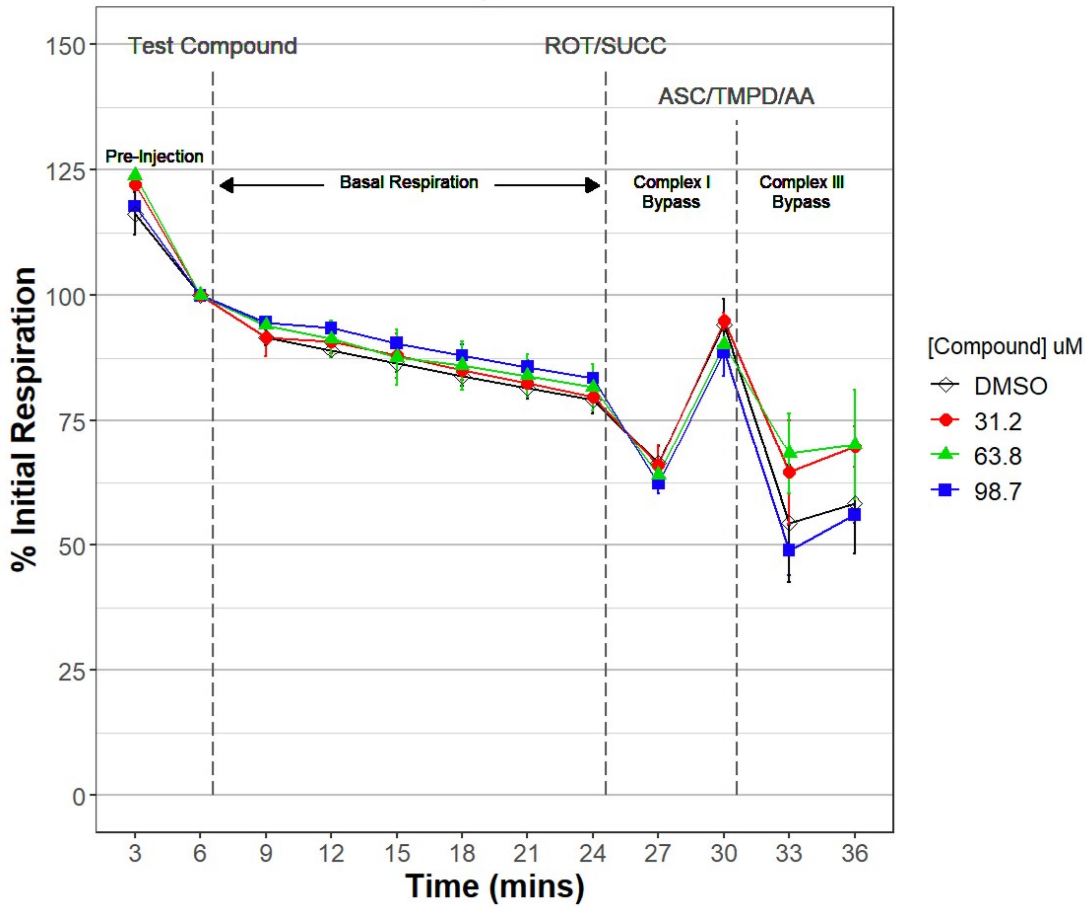
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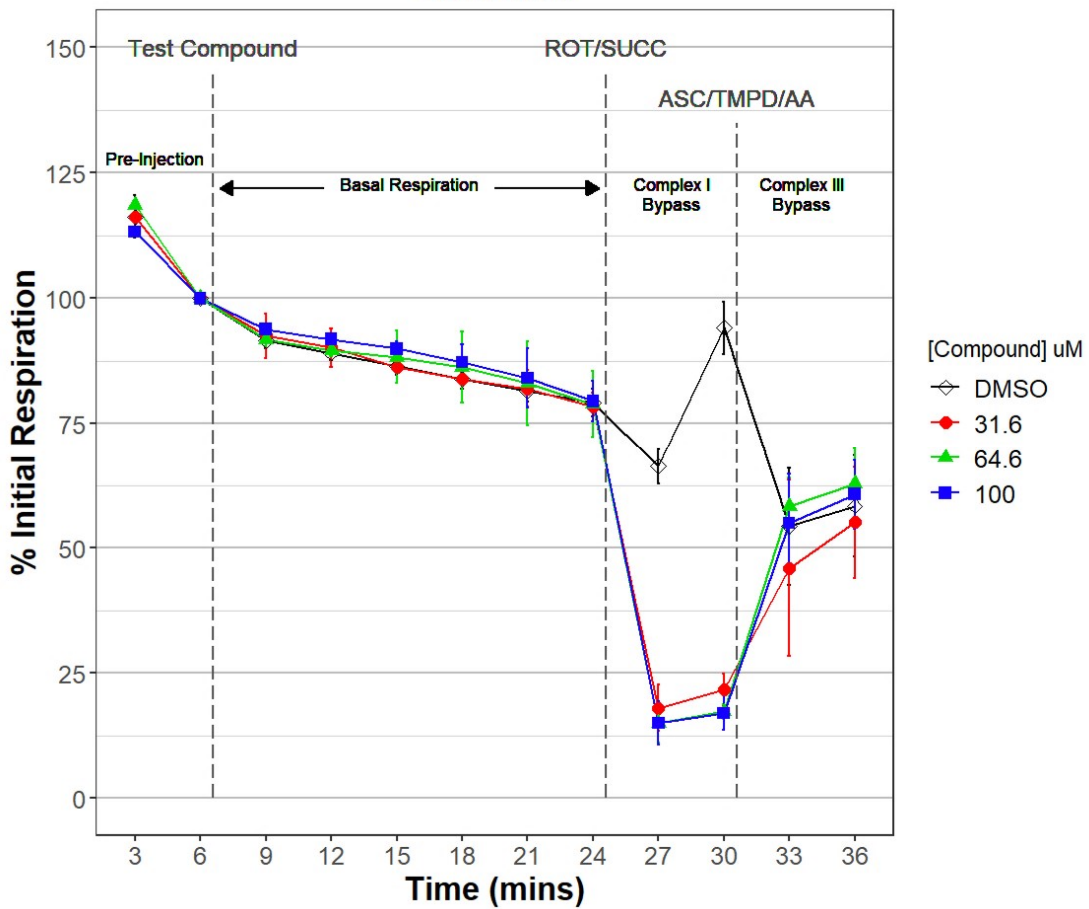
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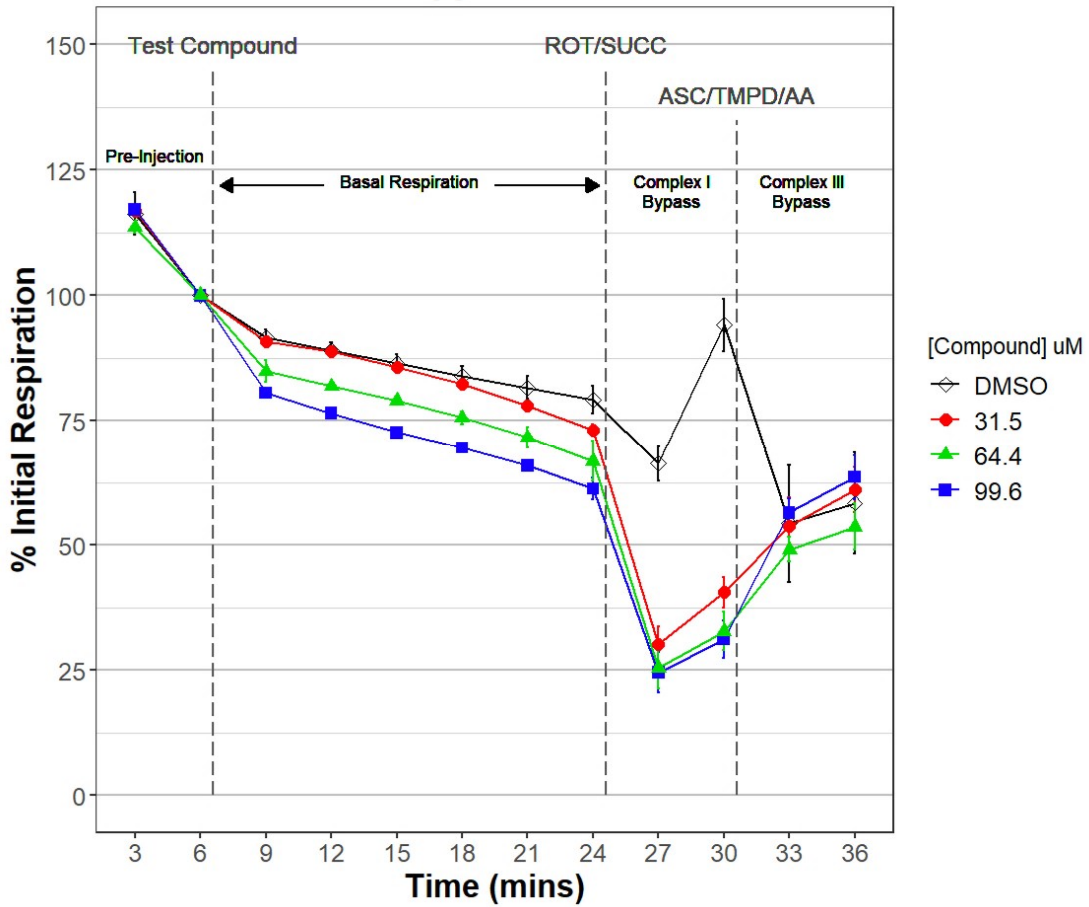
Captan



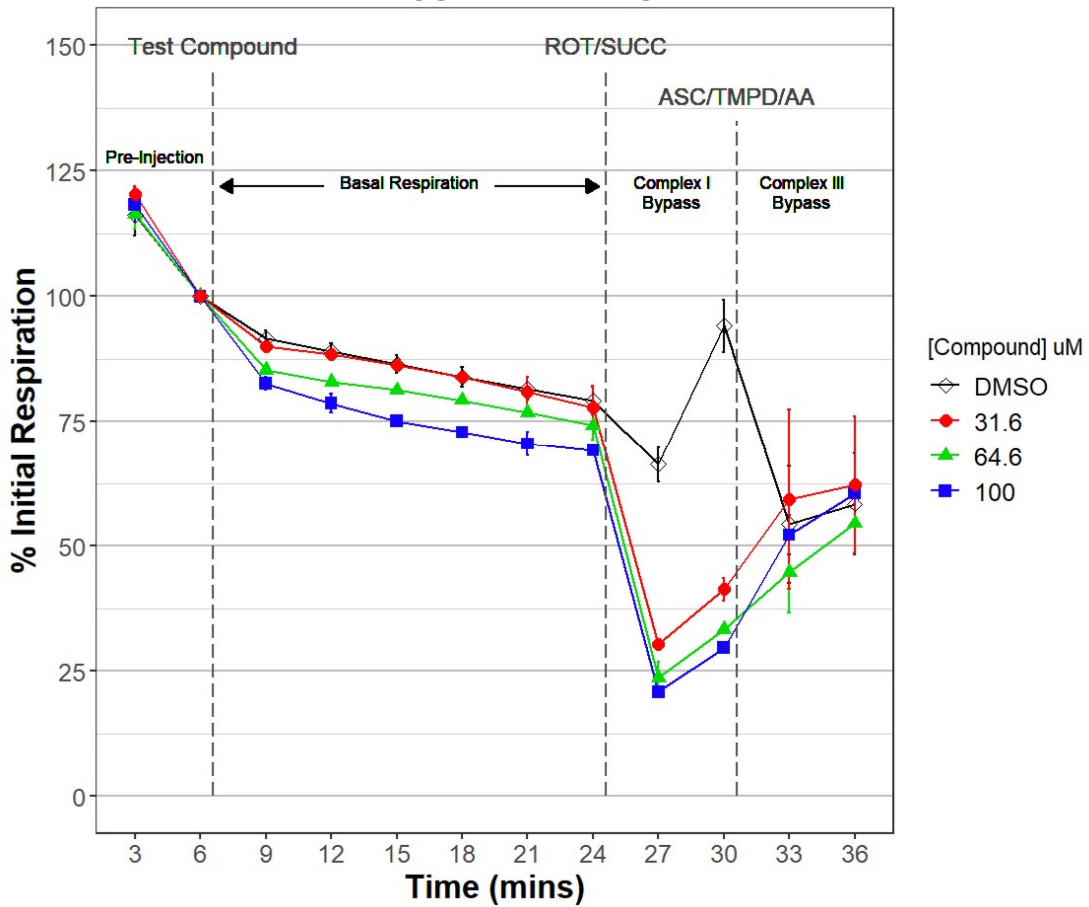
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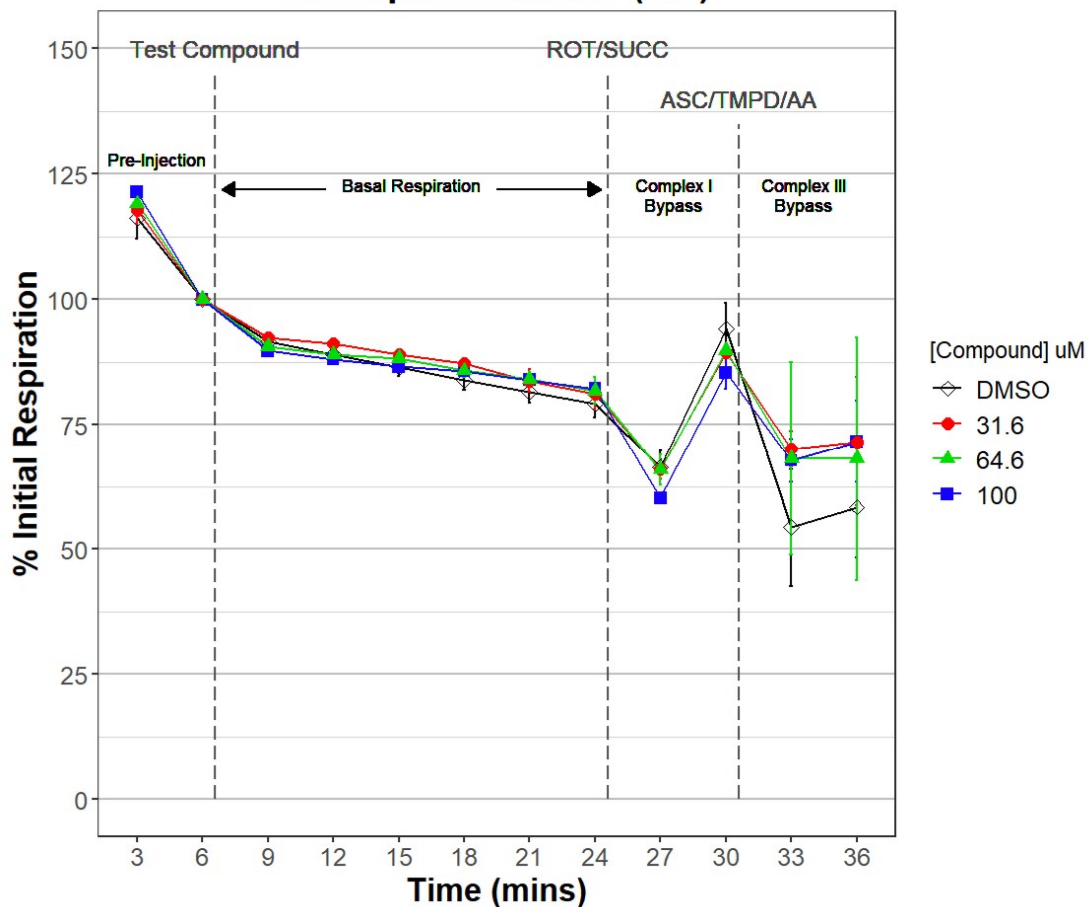
Chlorpyrifos oxon



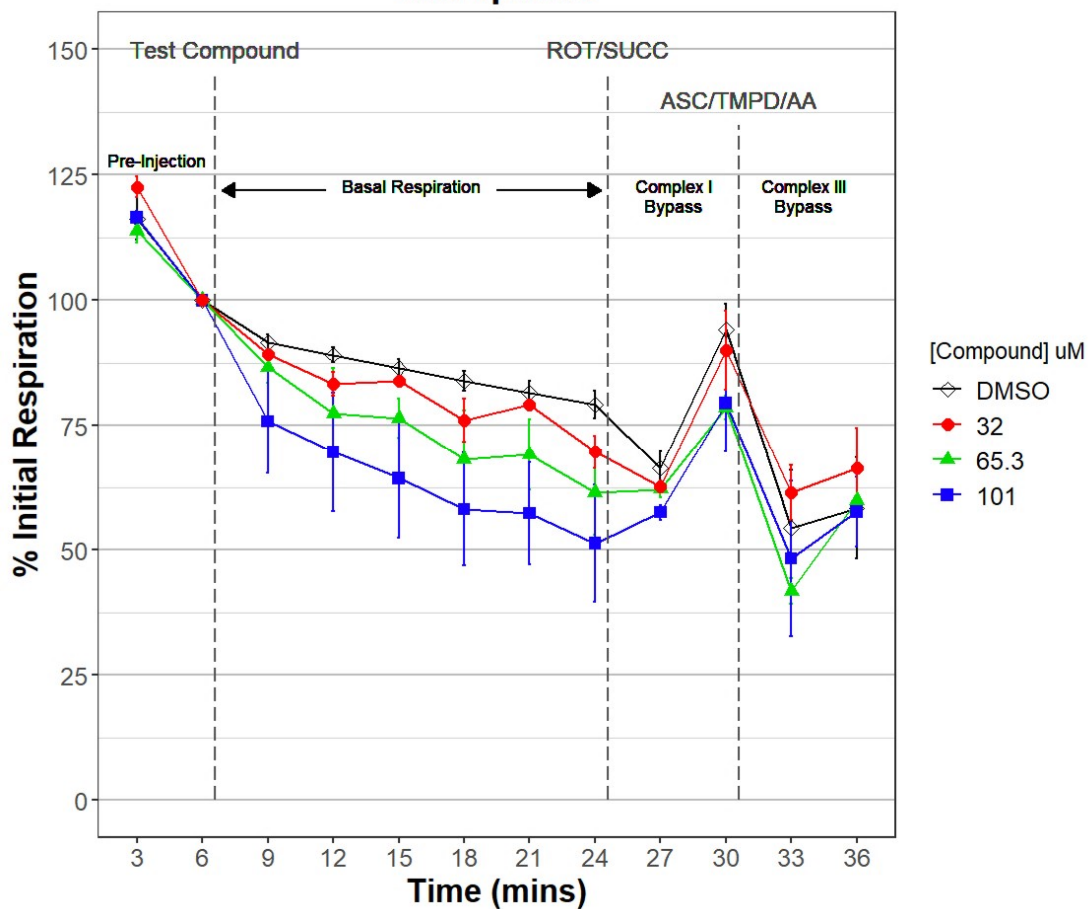
Chlorpyrifos-methyl



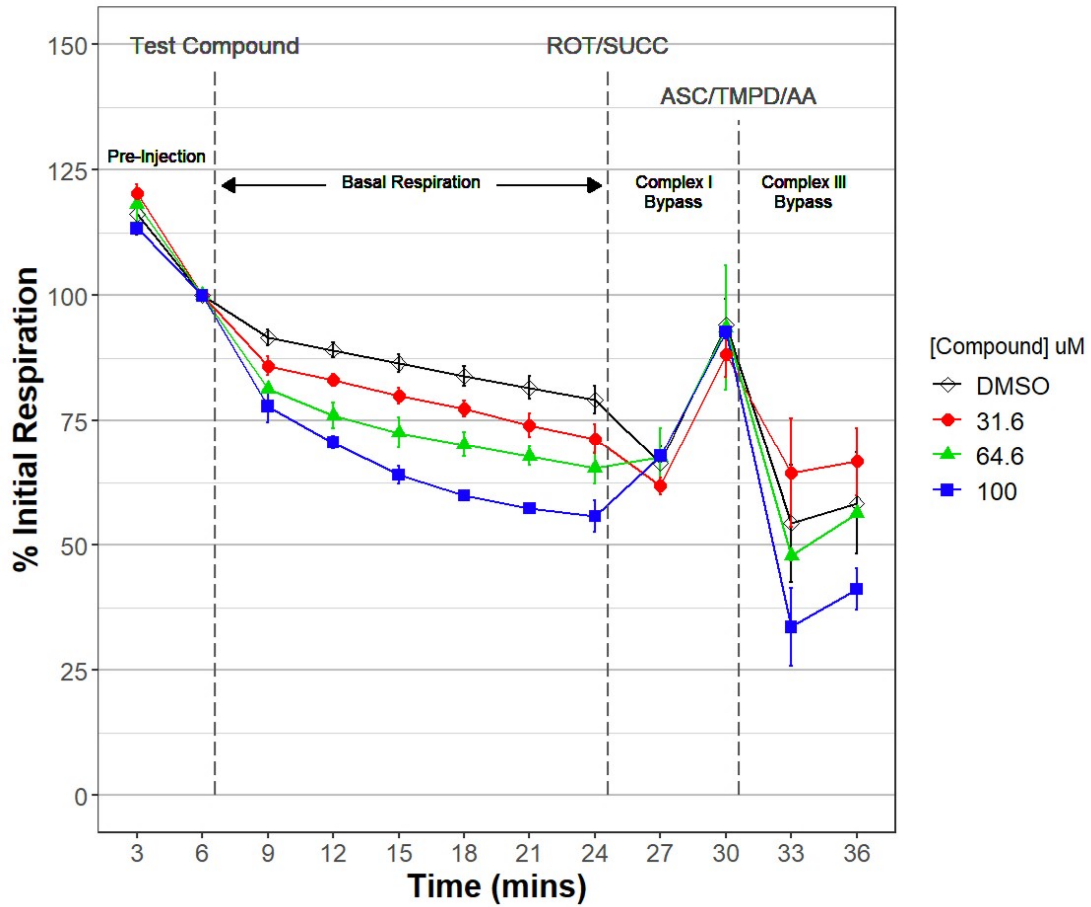
Clomiphene citrate (1:1)



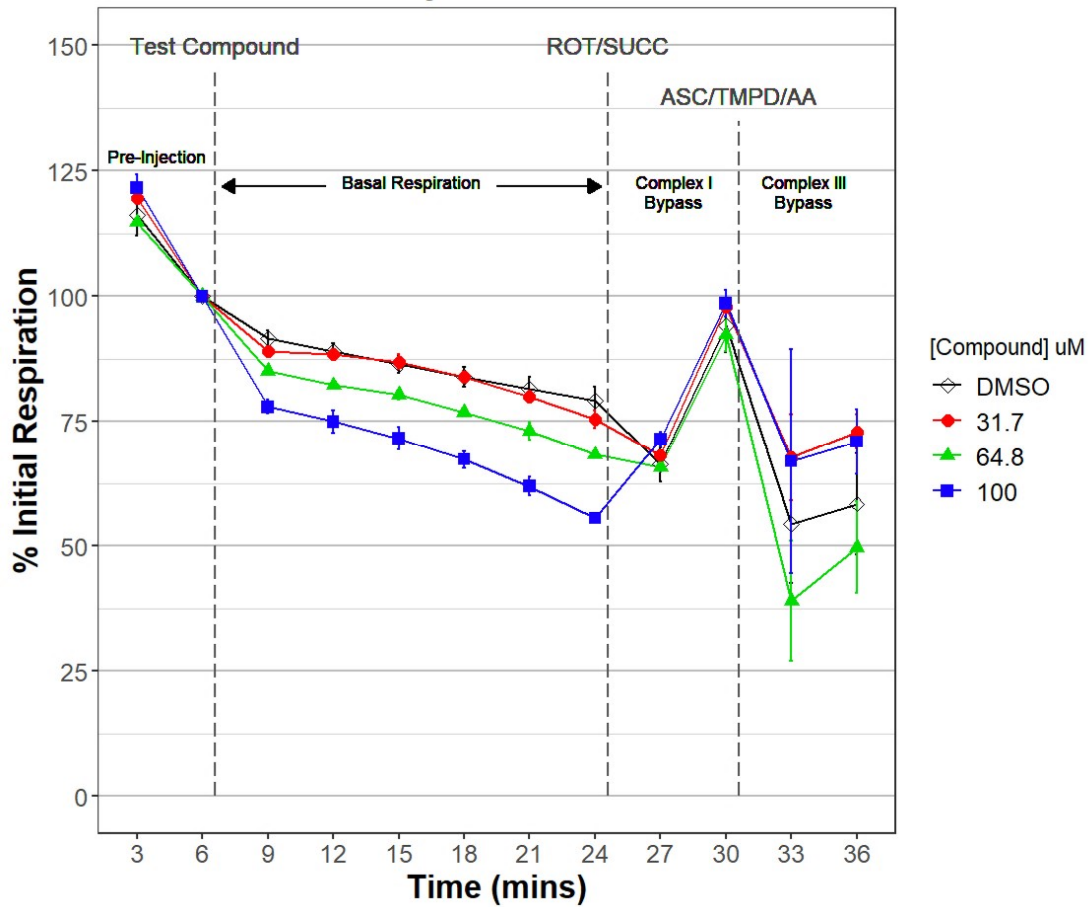
Clorophene



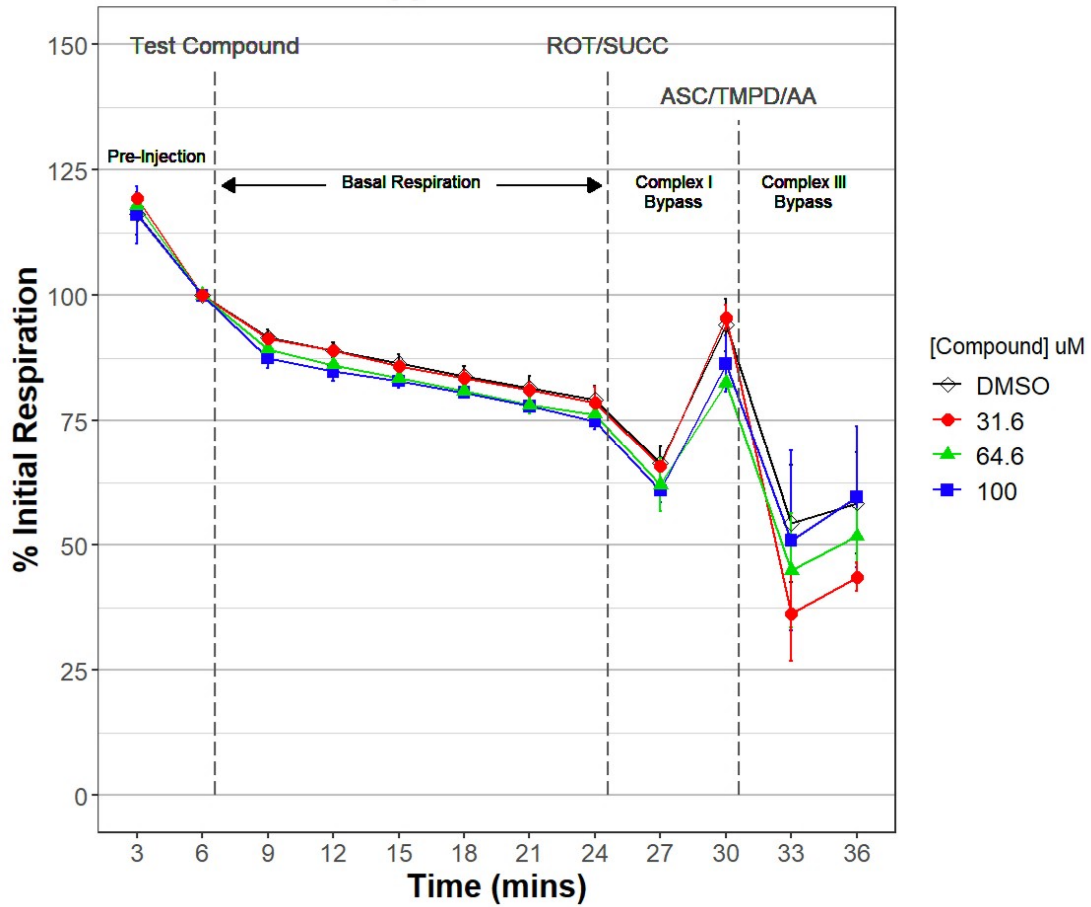
Corticosterone



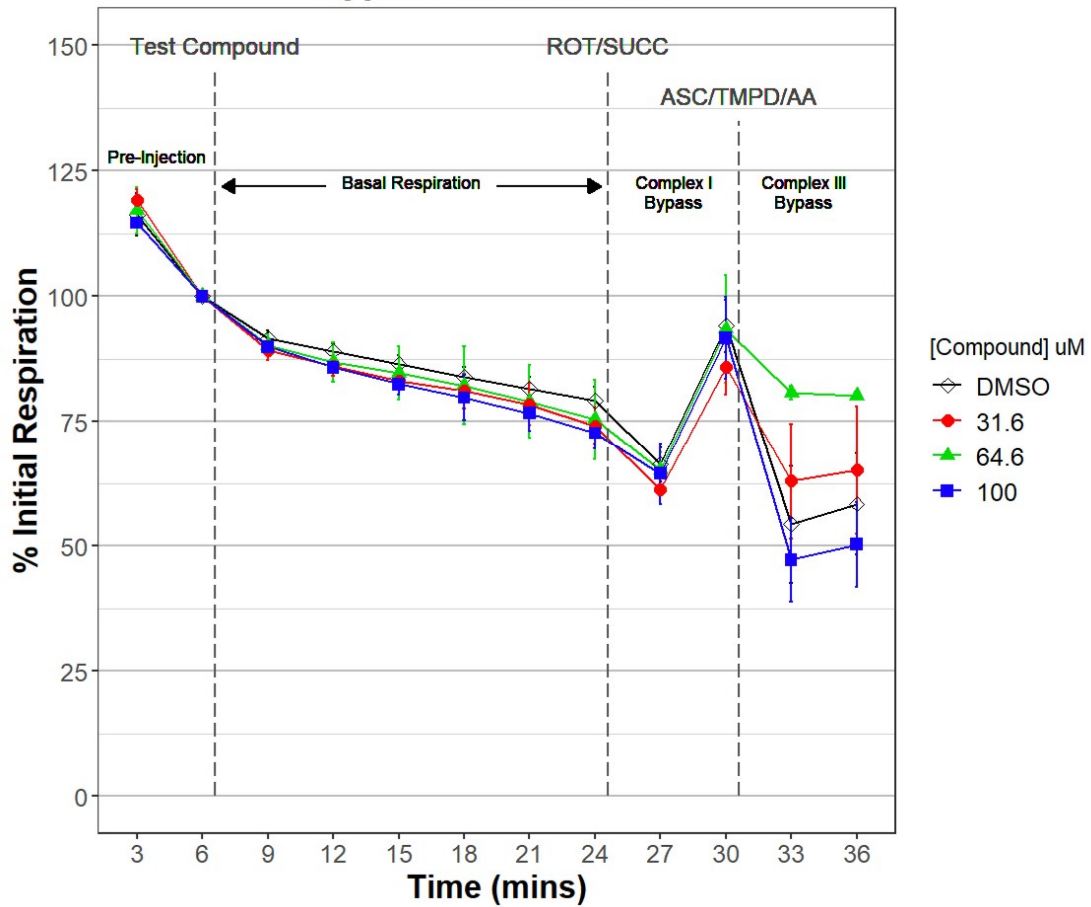
Cyclanilide



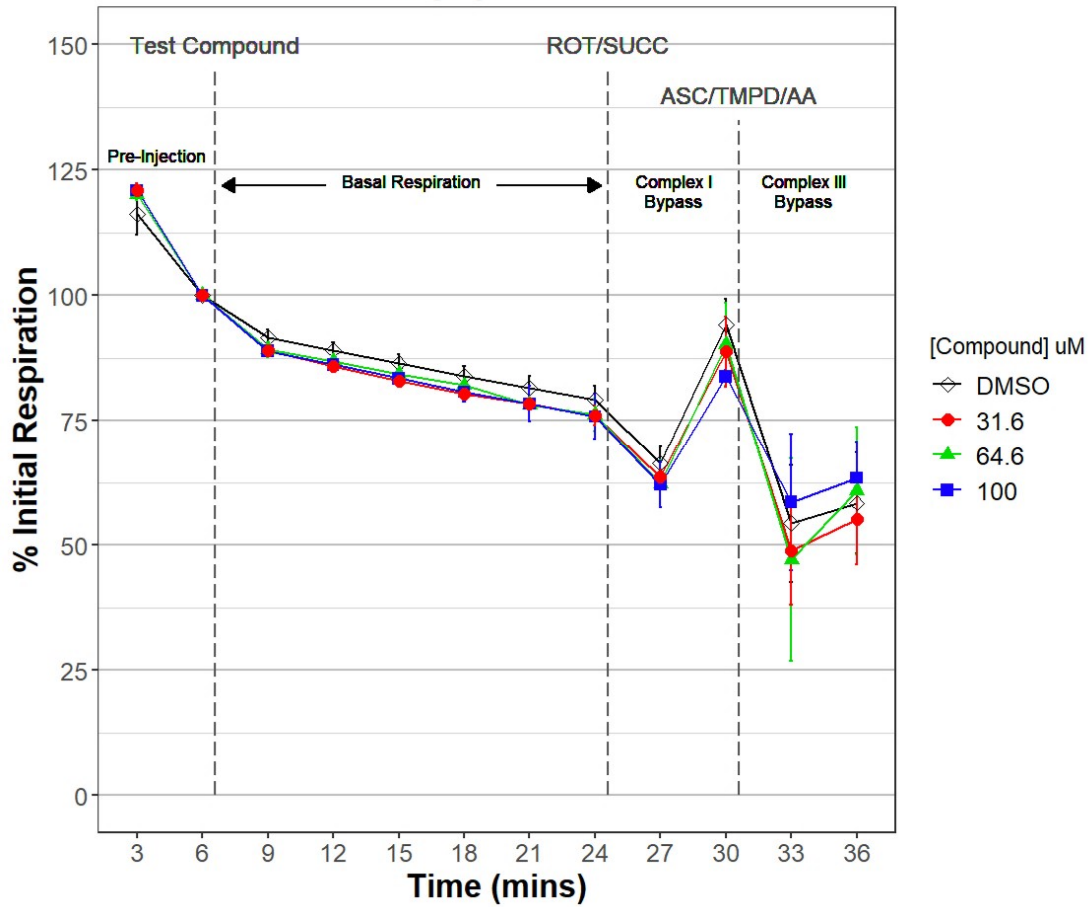
Cyproconazole



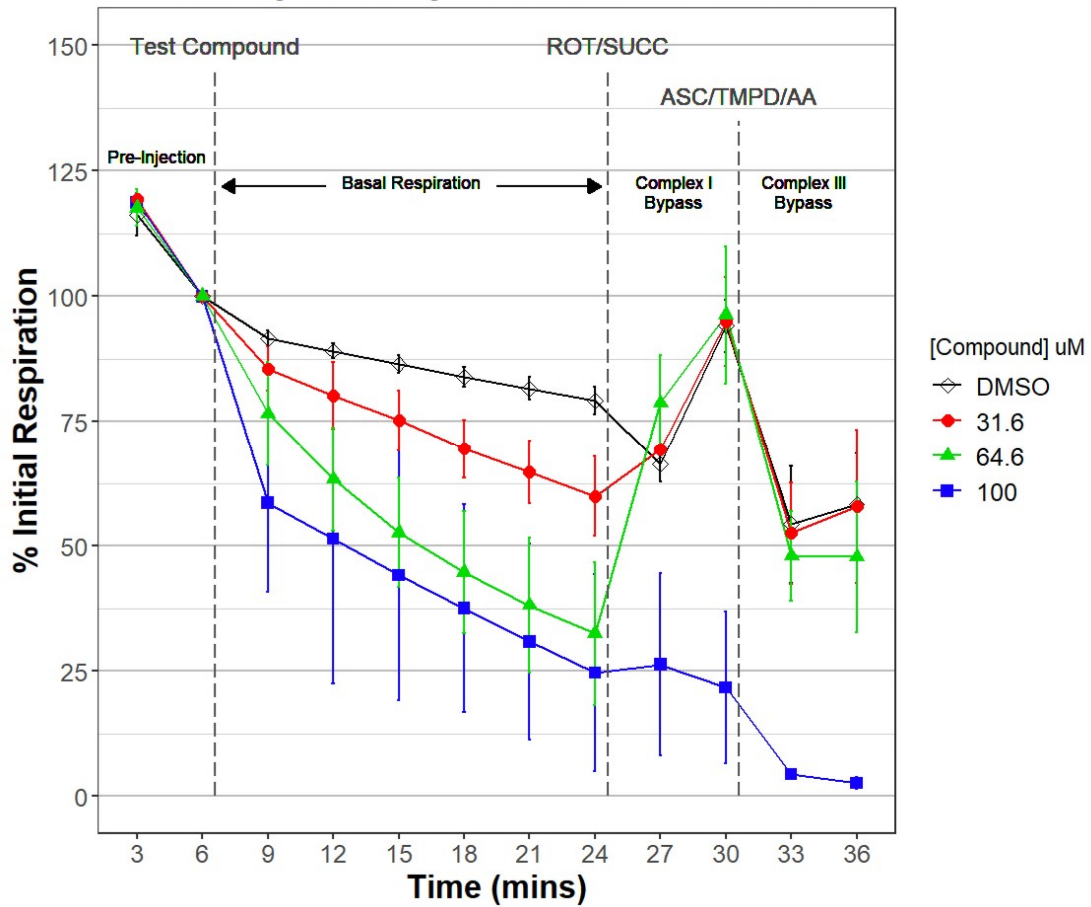
Cyproterone acetate



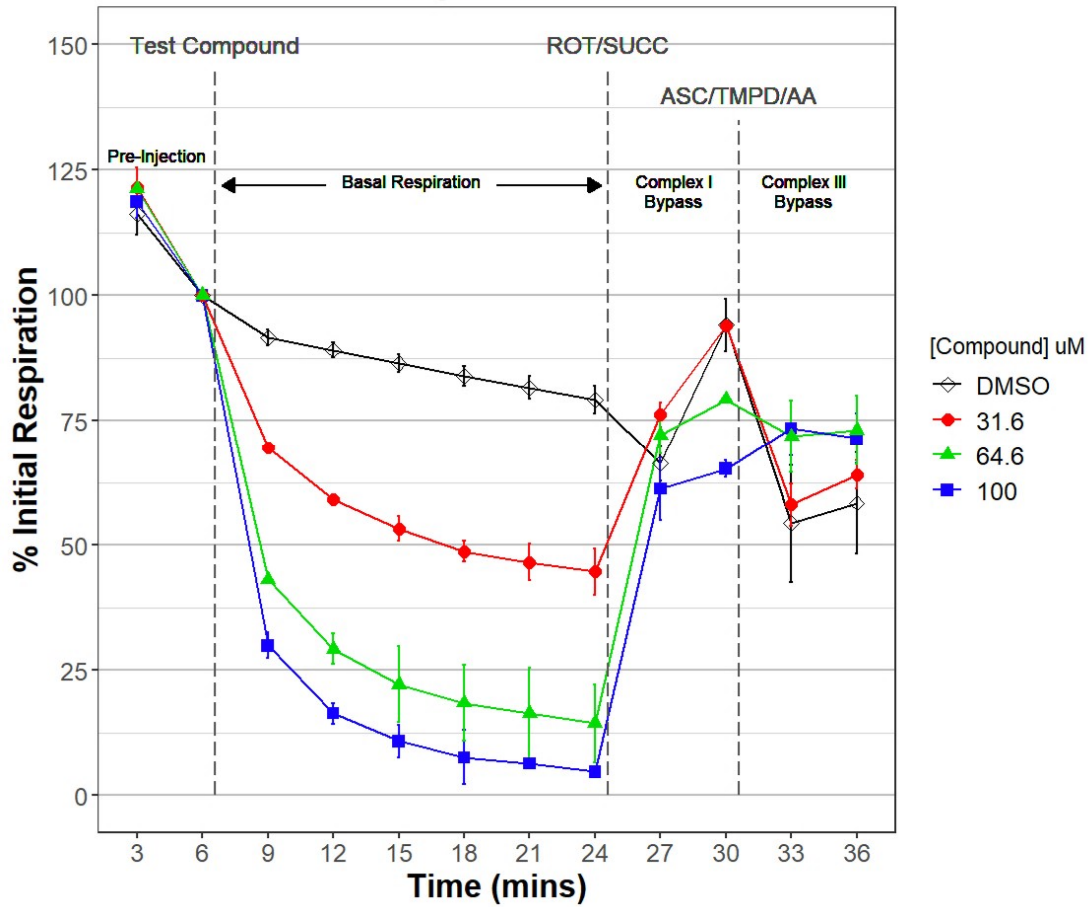
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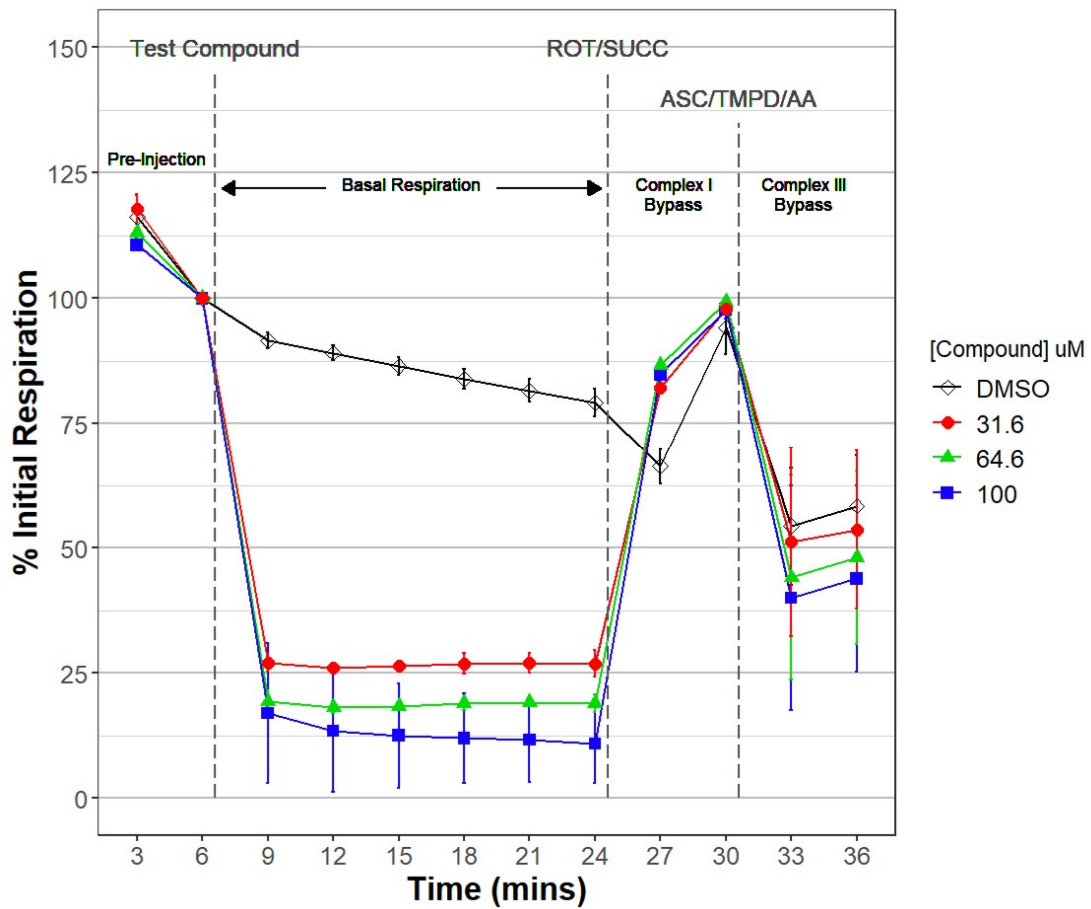
Didecyldimethylammonium chloride



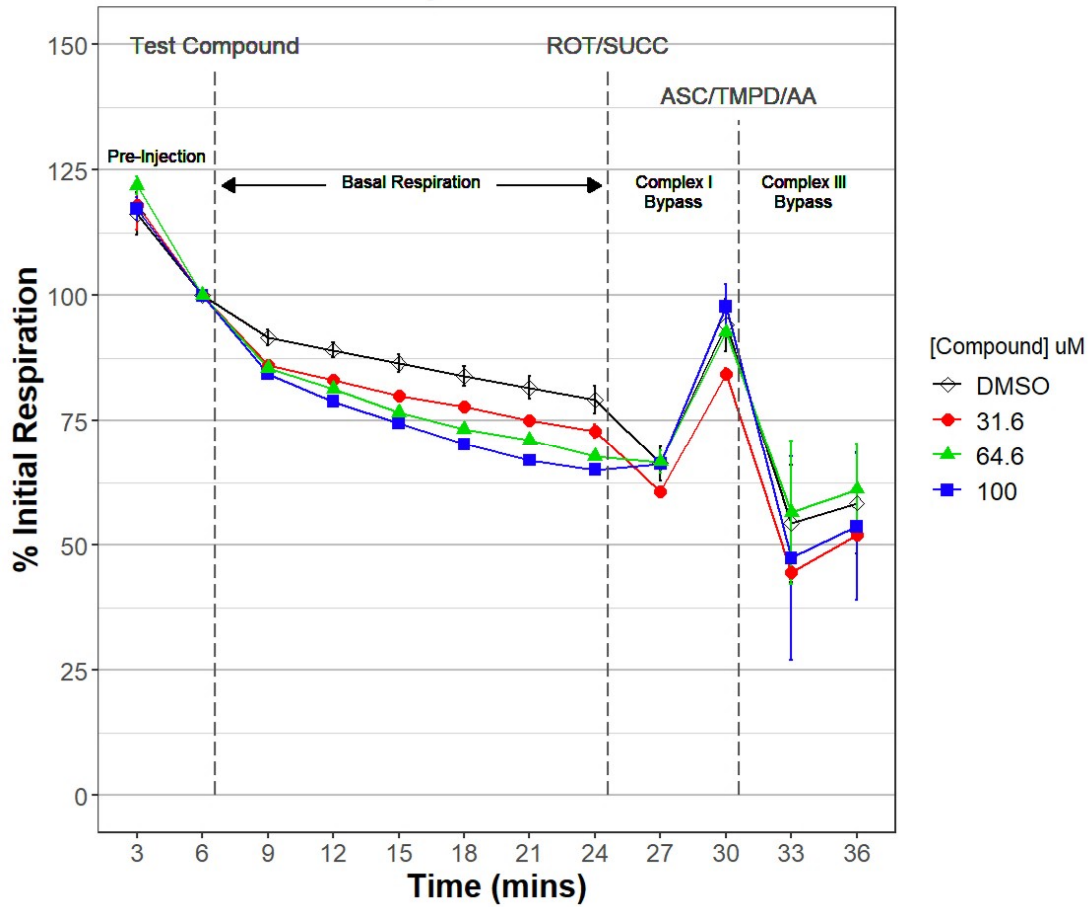
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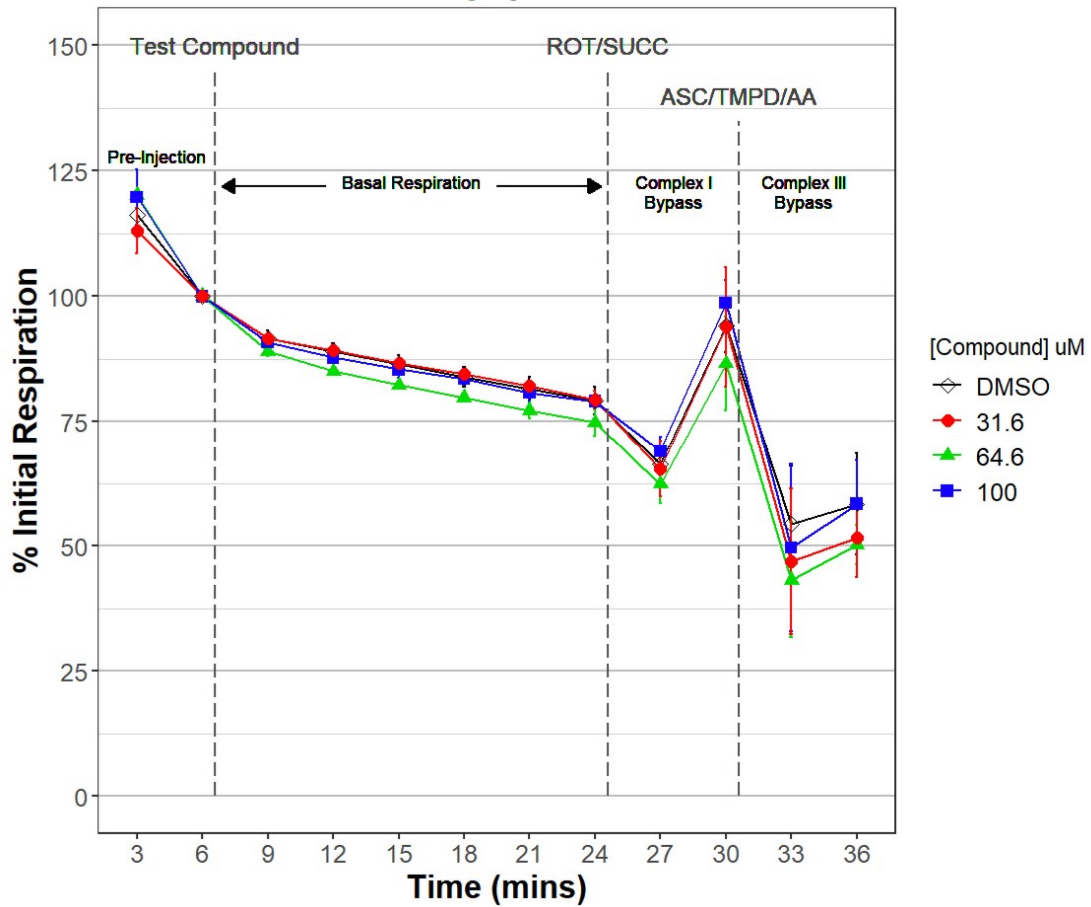
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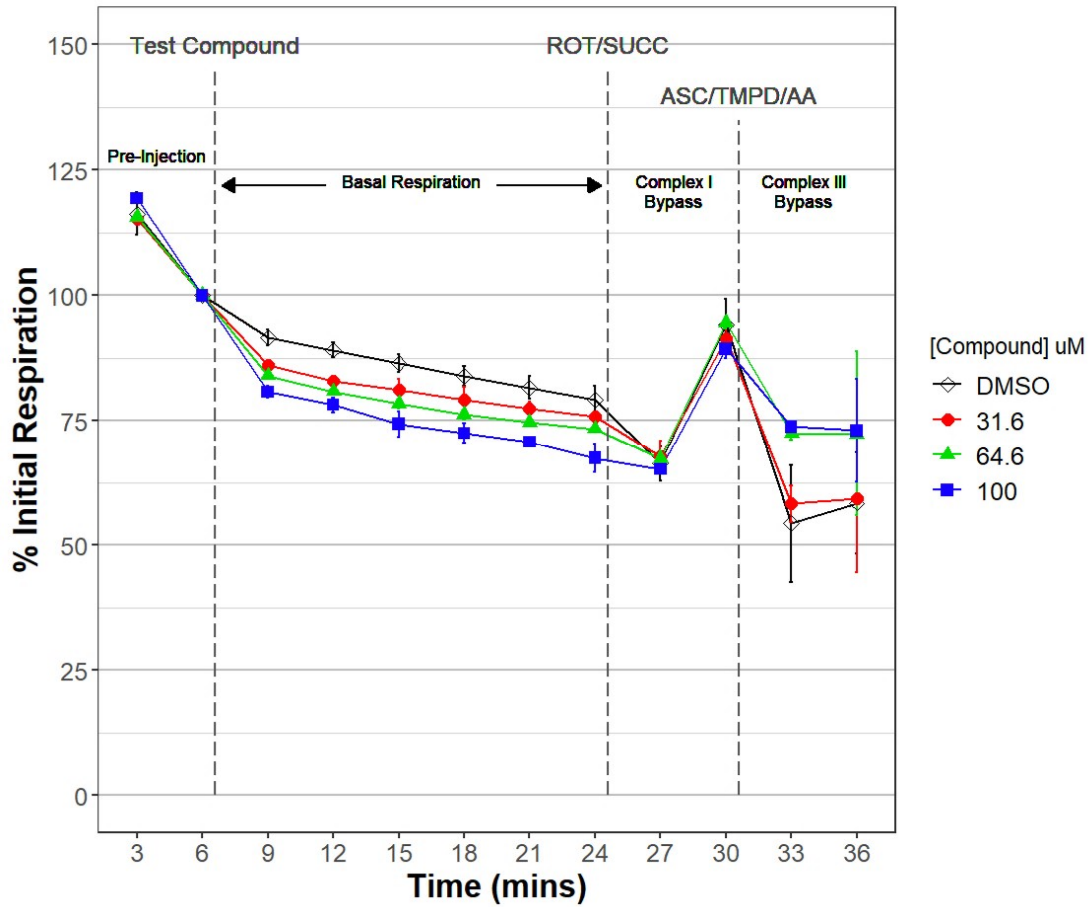
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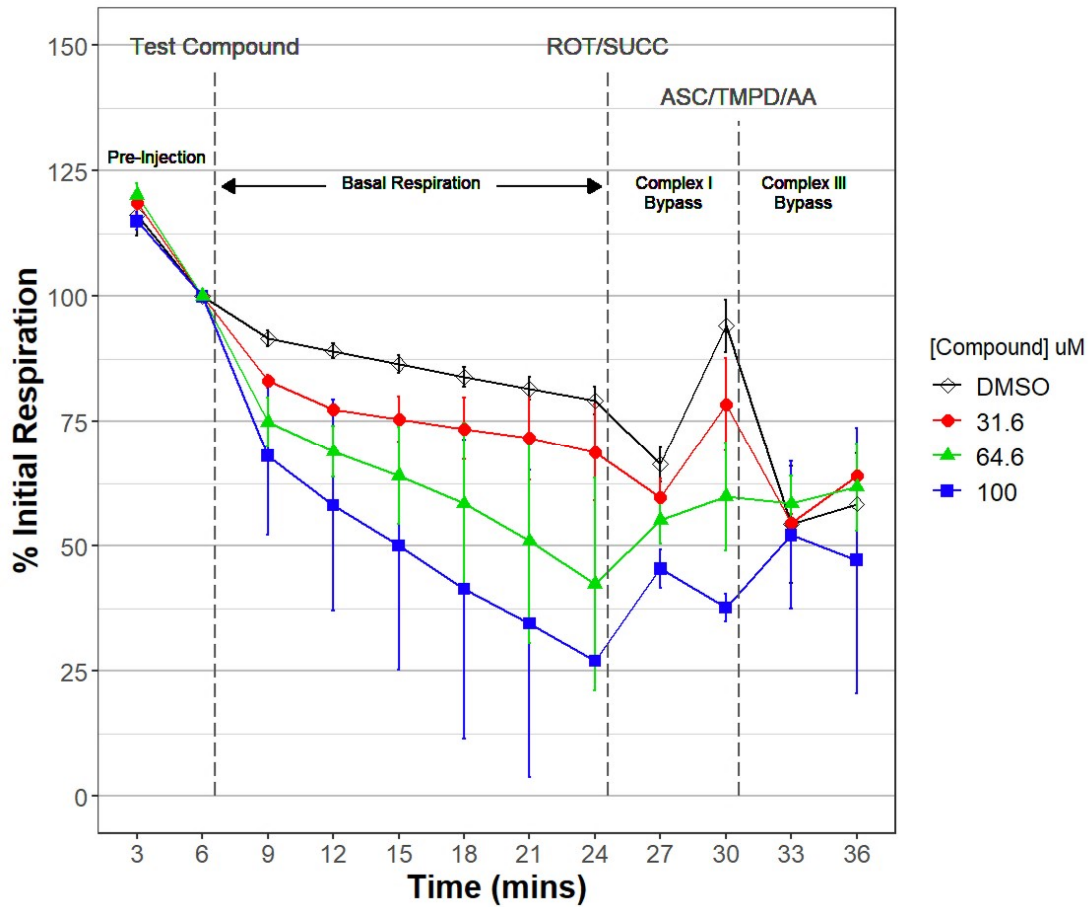
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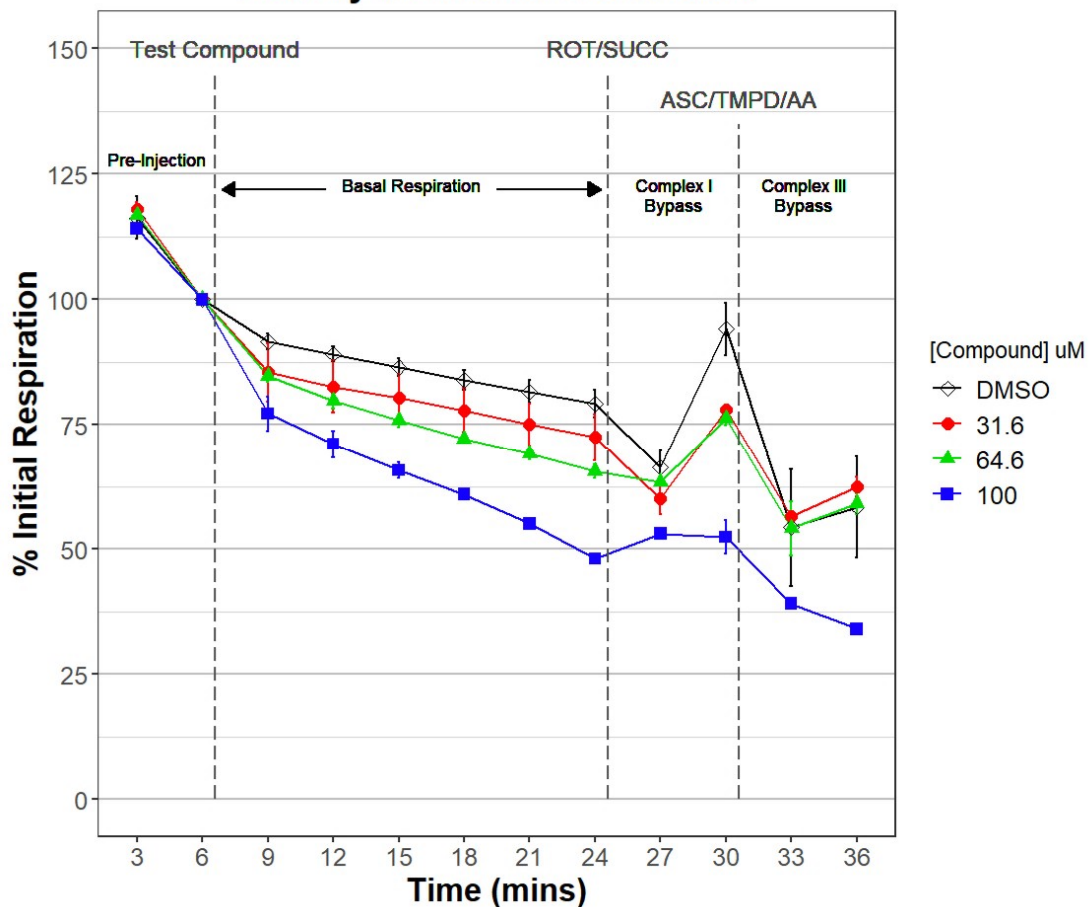
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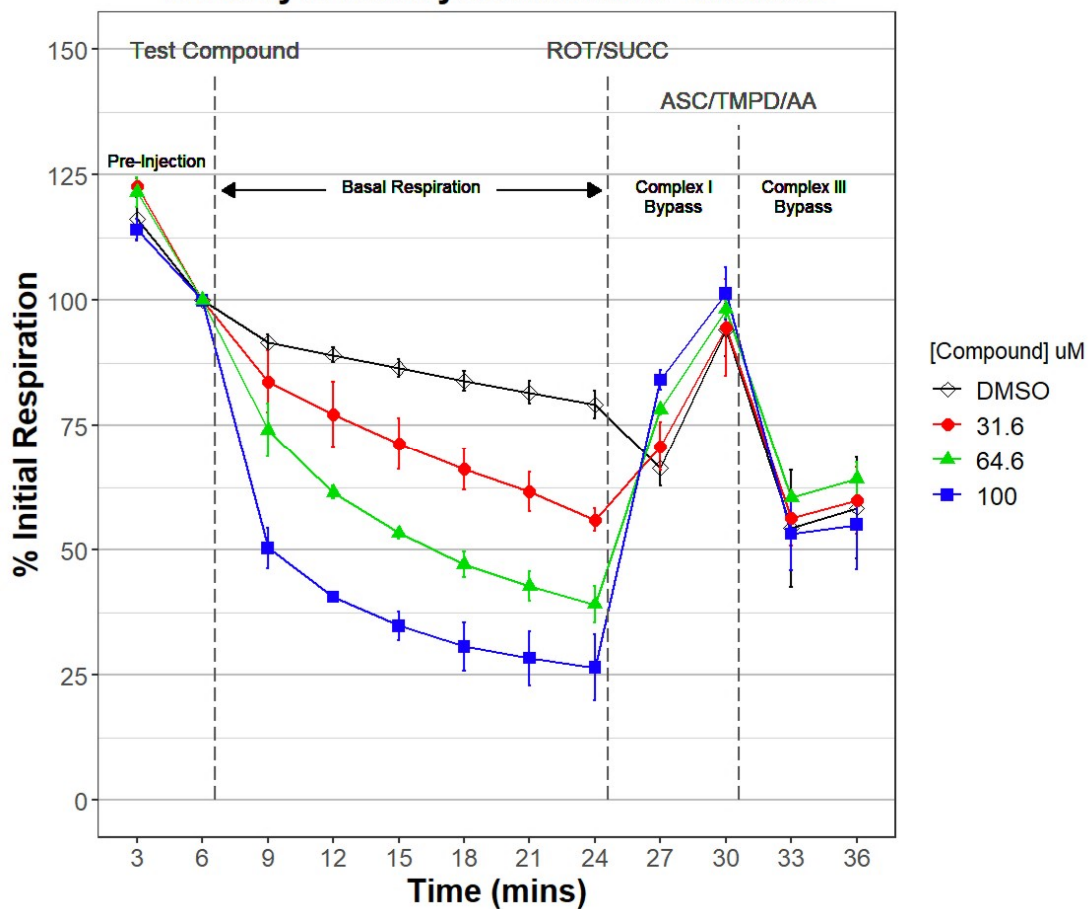
Docosate sodium



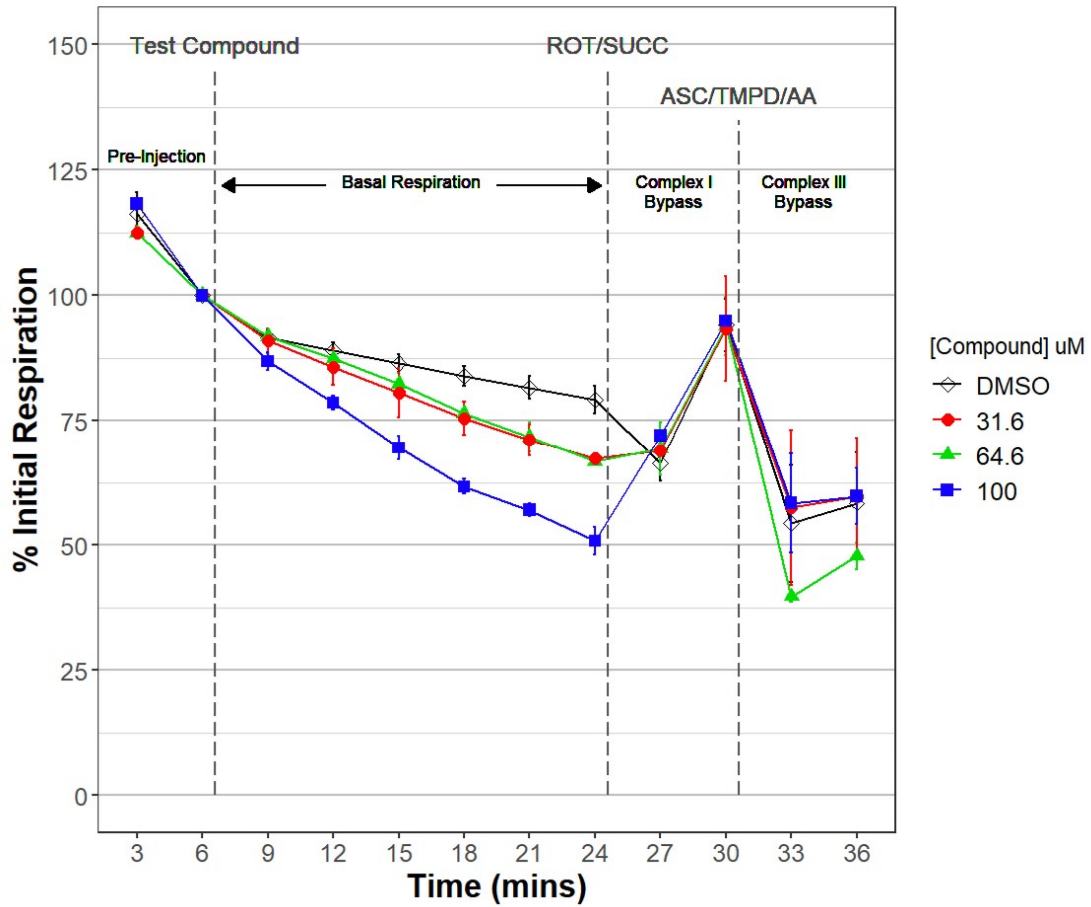
Dodecylbenzenesulfonic acid



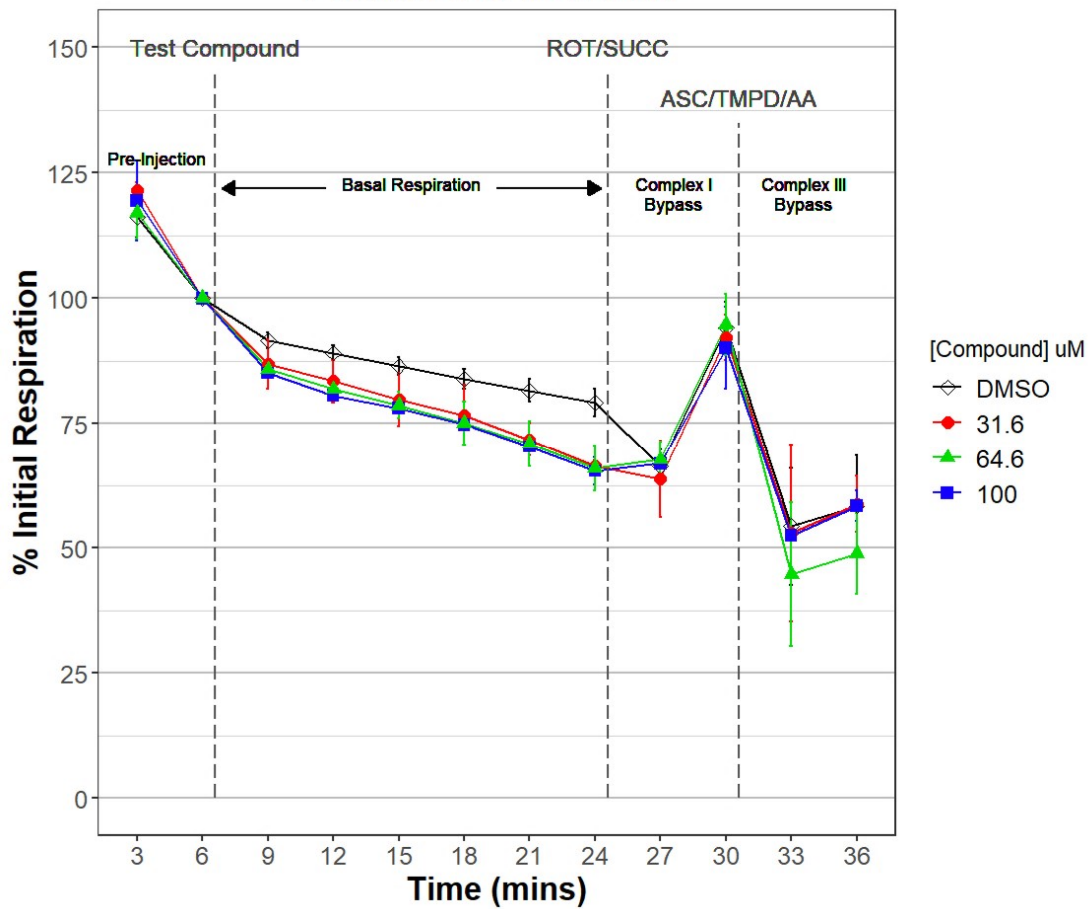
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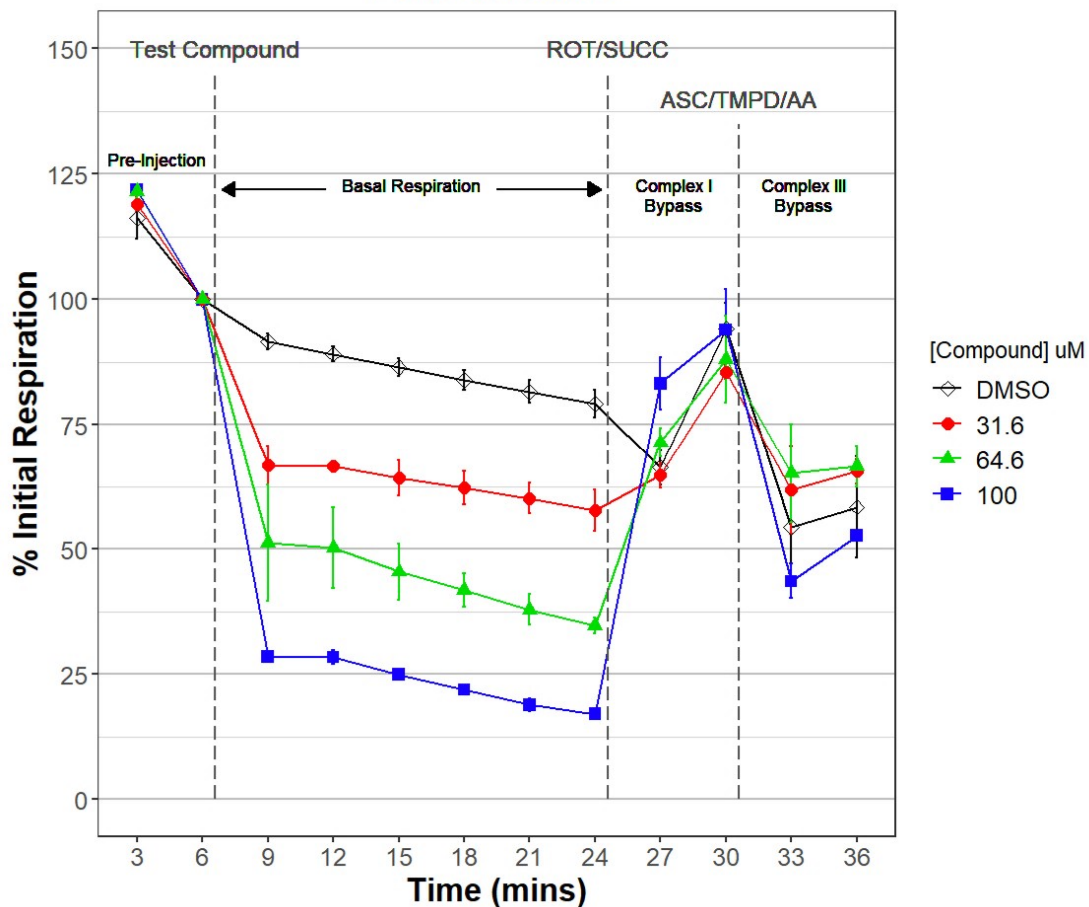
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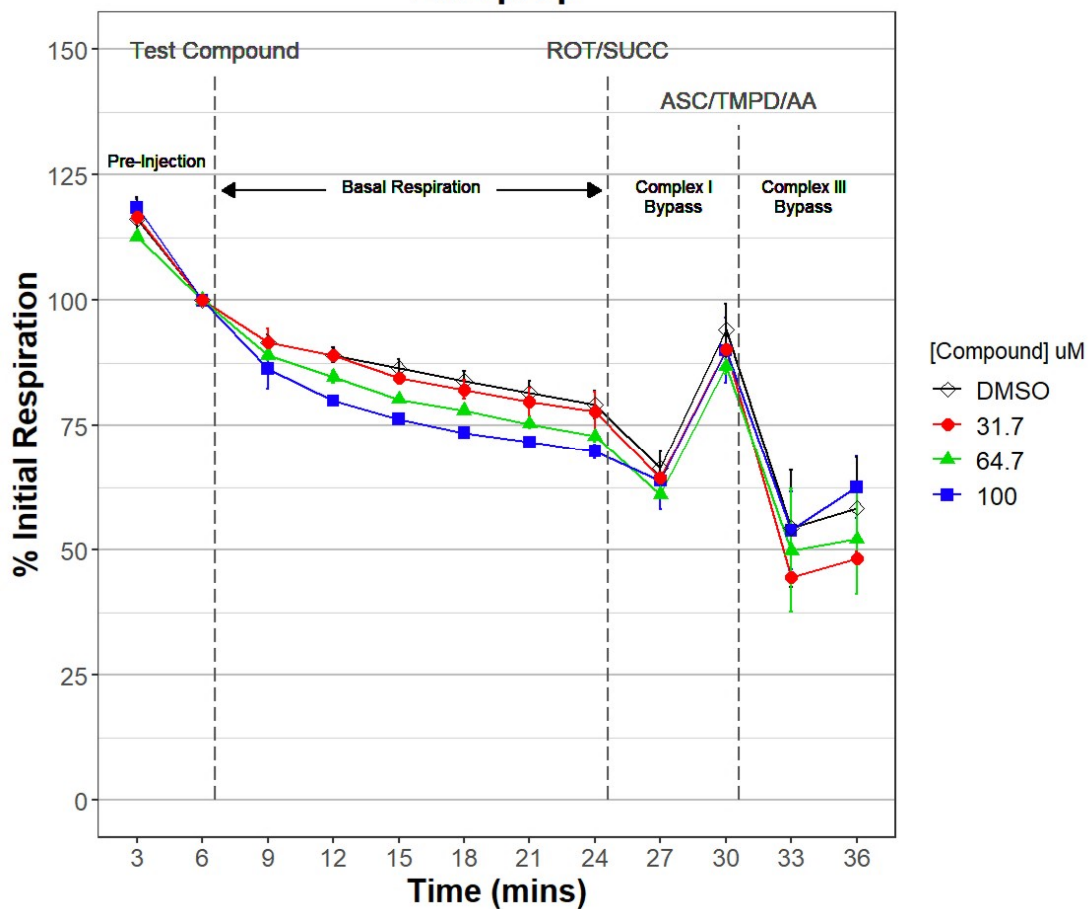
Emamectin benzoate



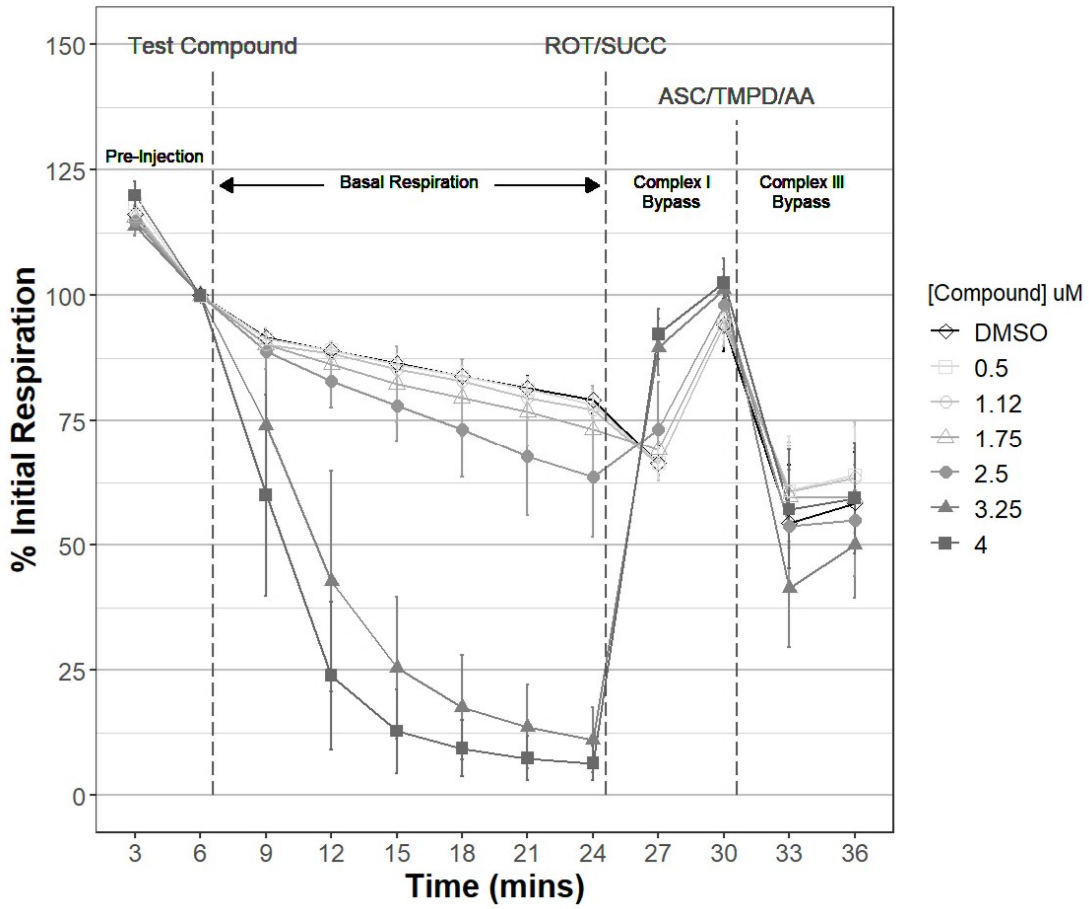
Ethofumesate



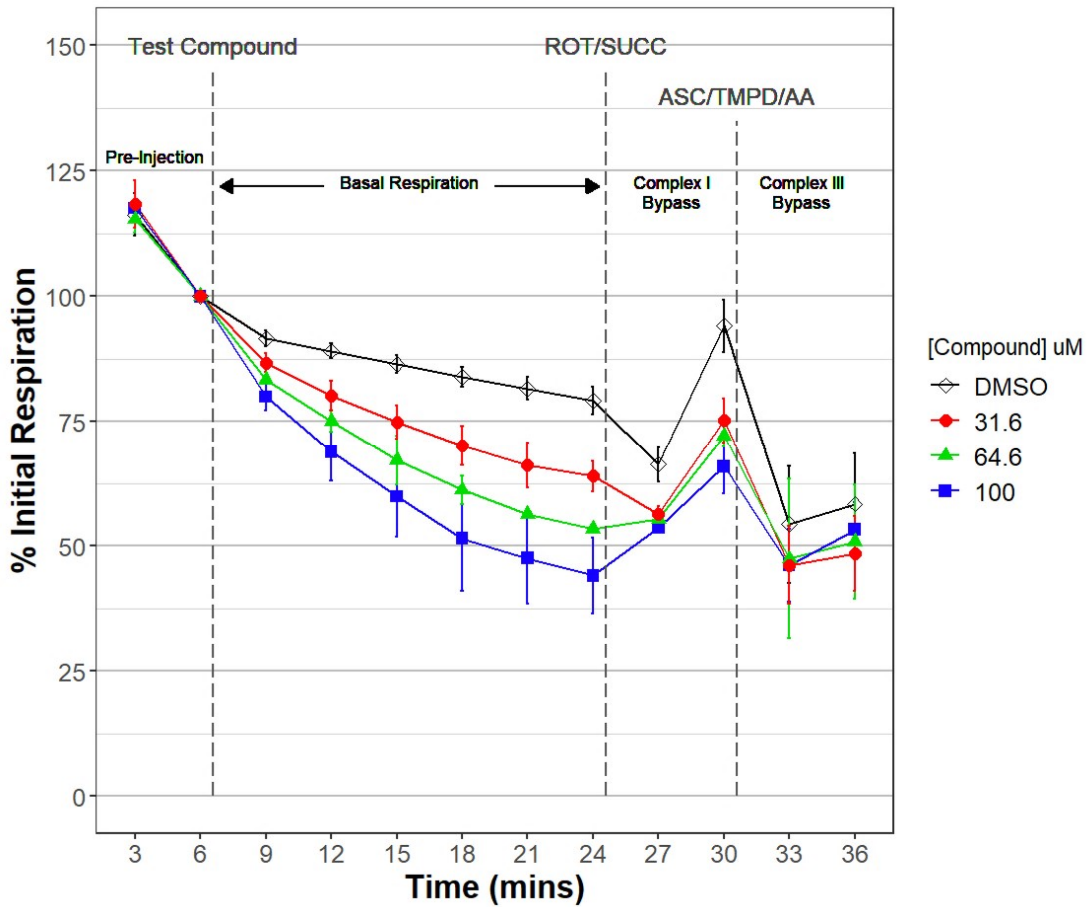
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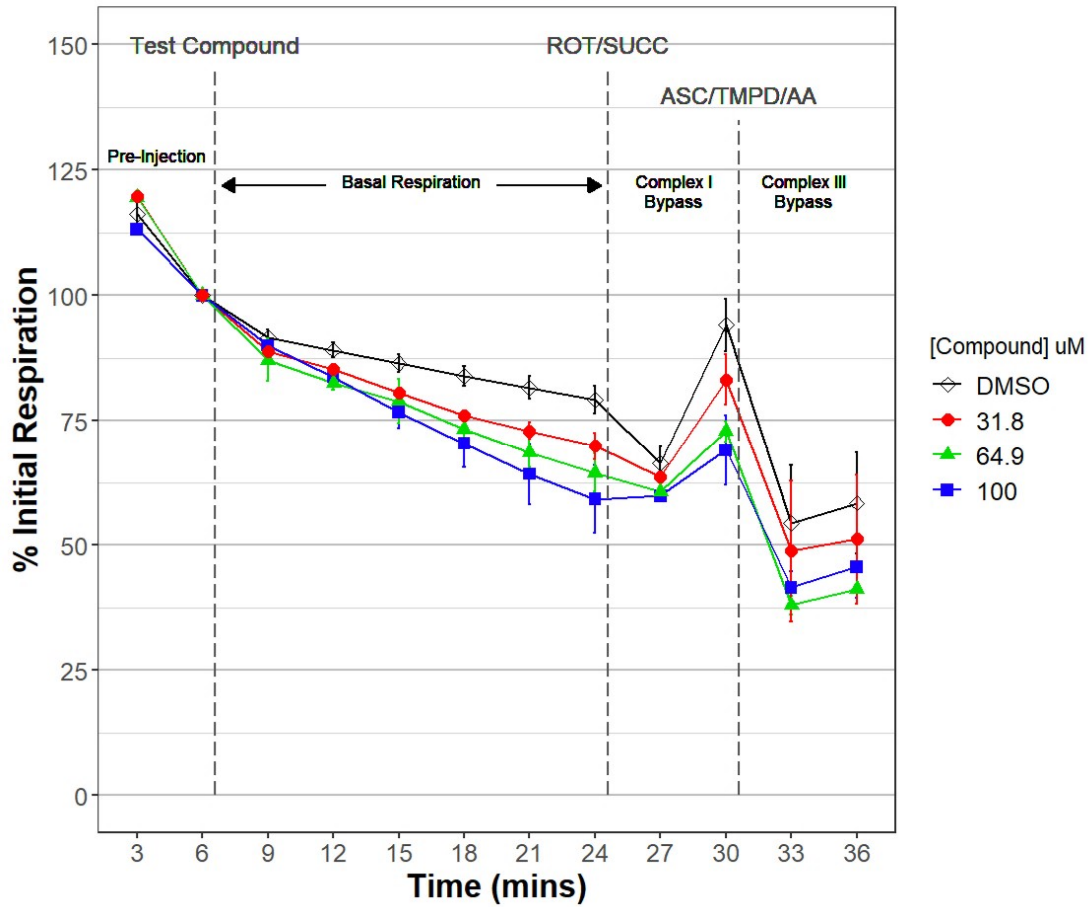
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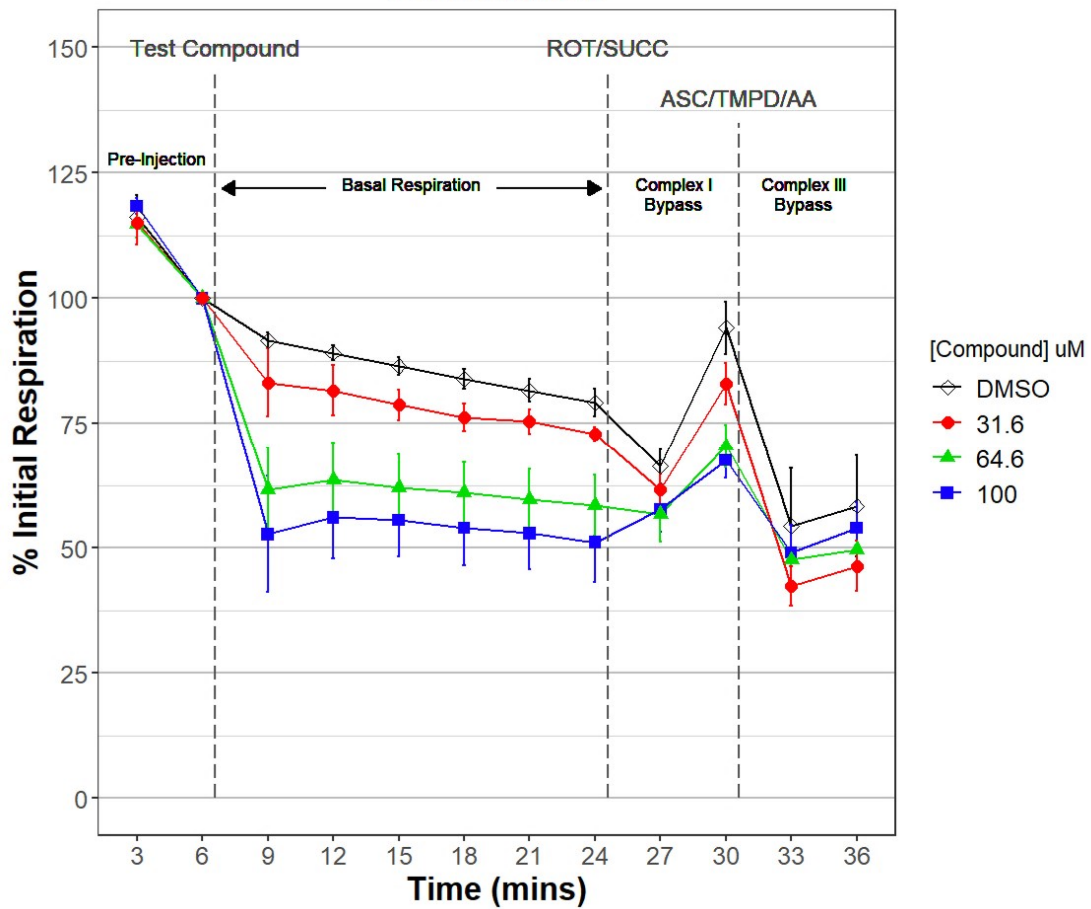
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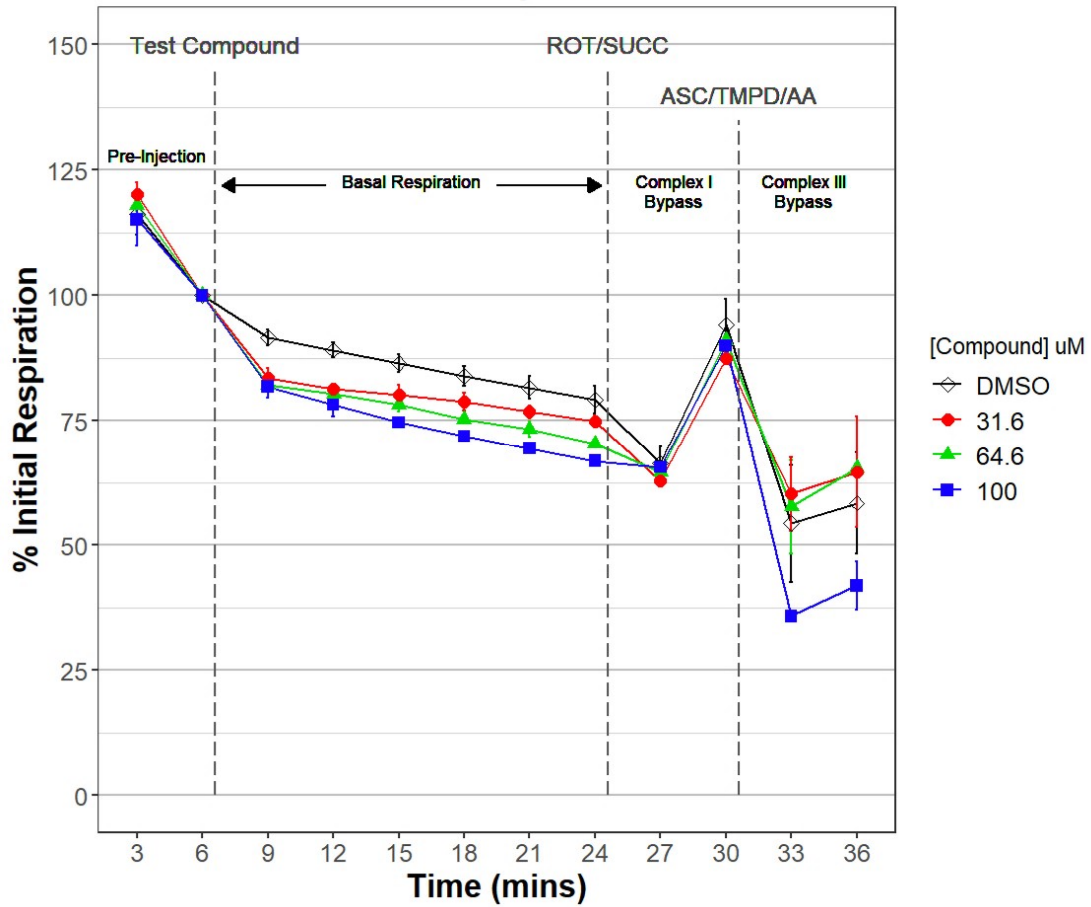
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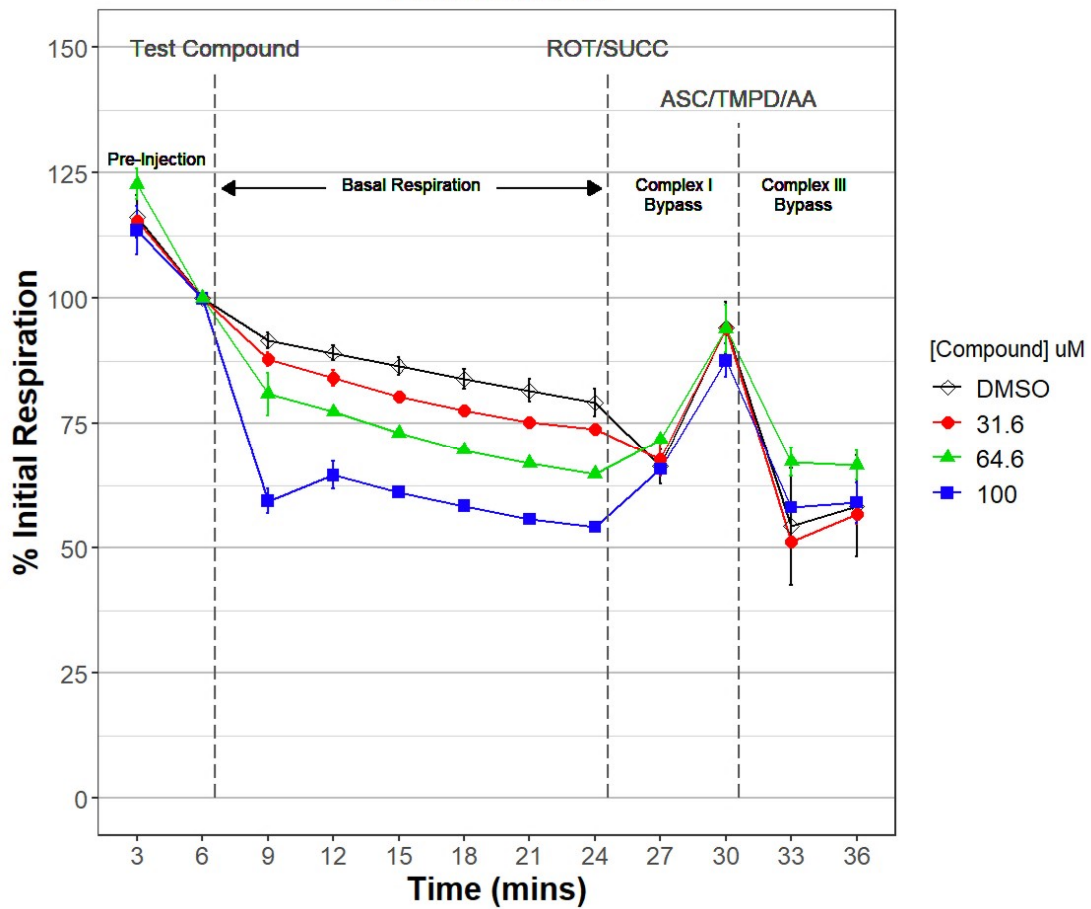
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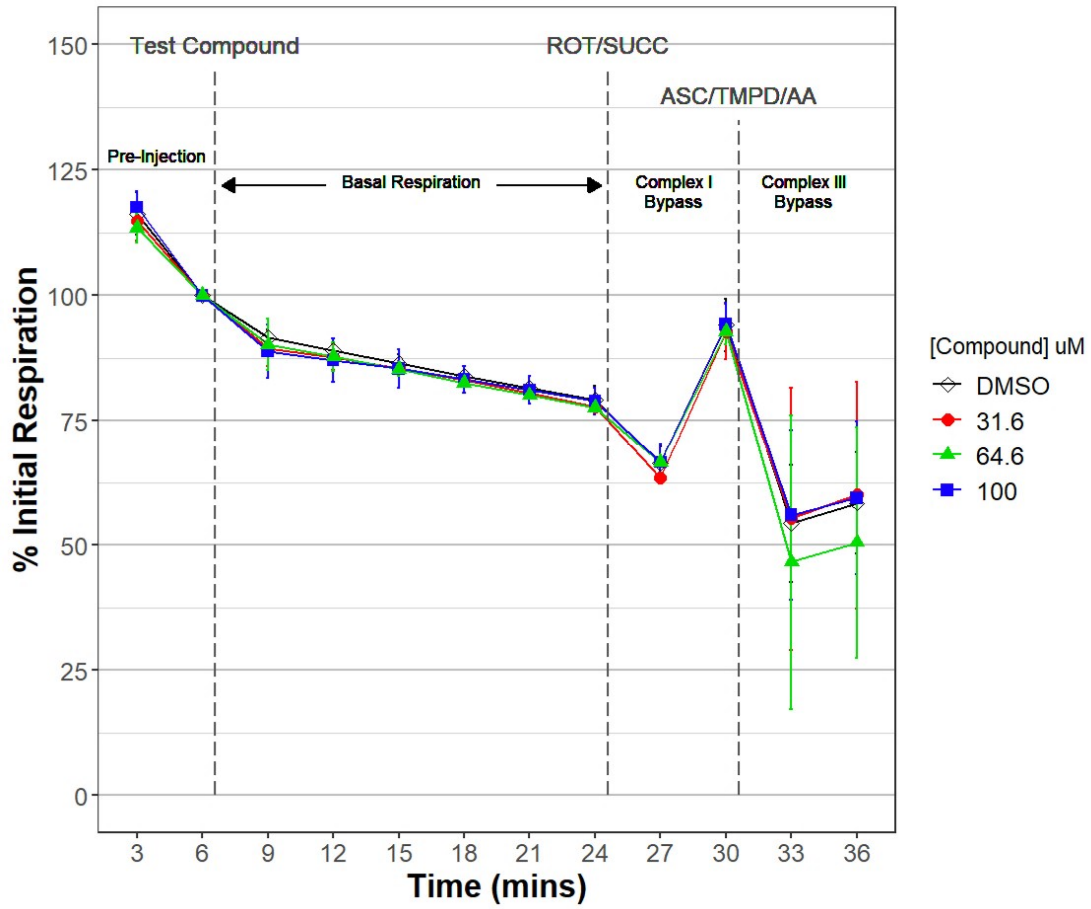
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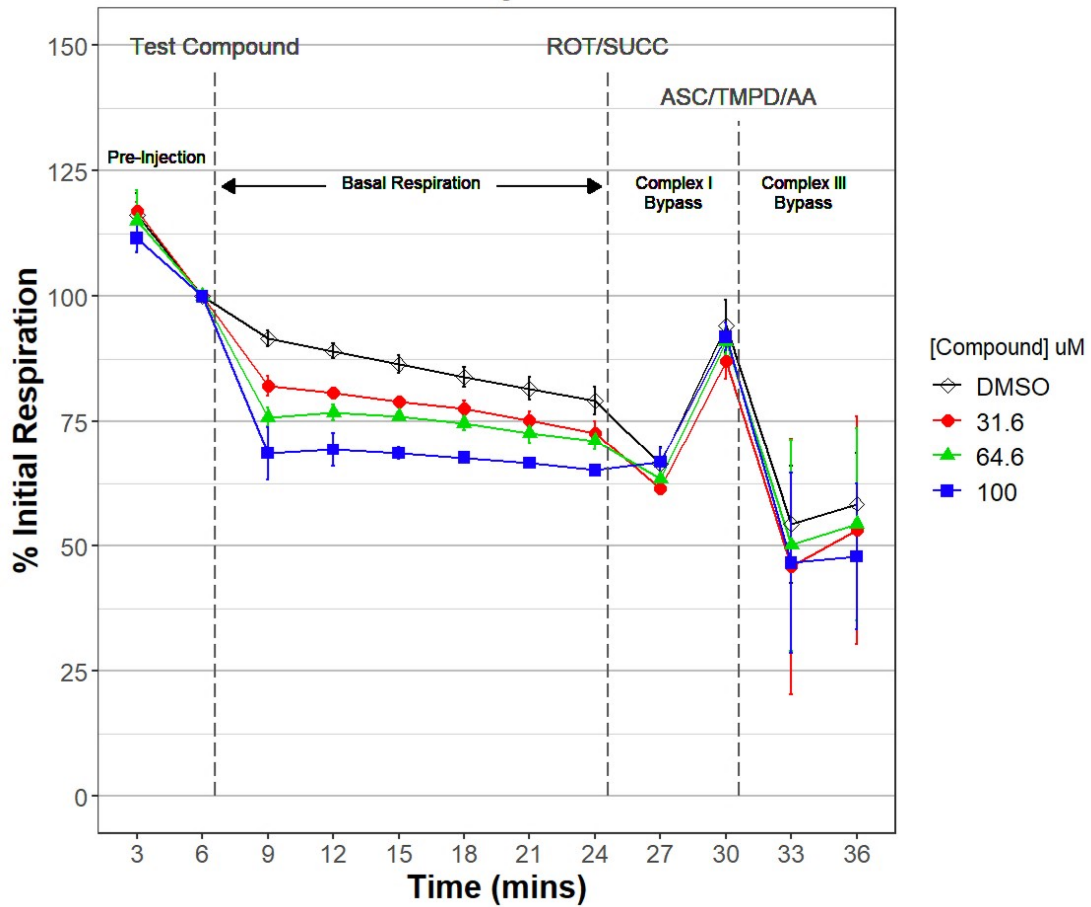
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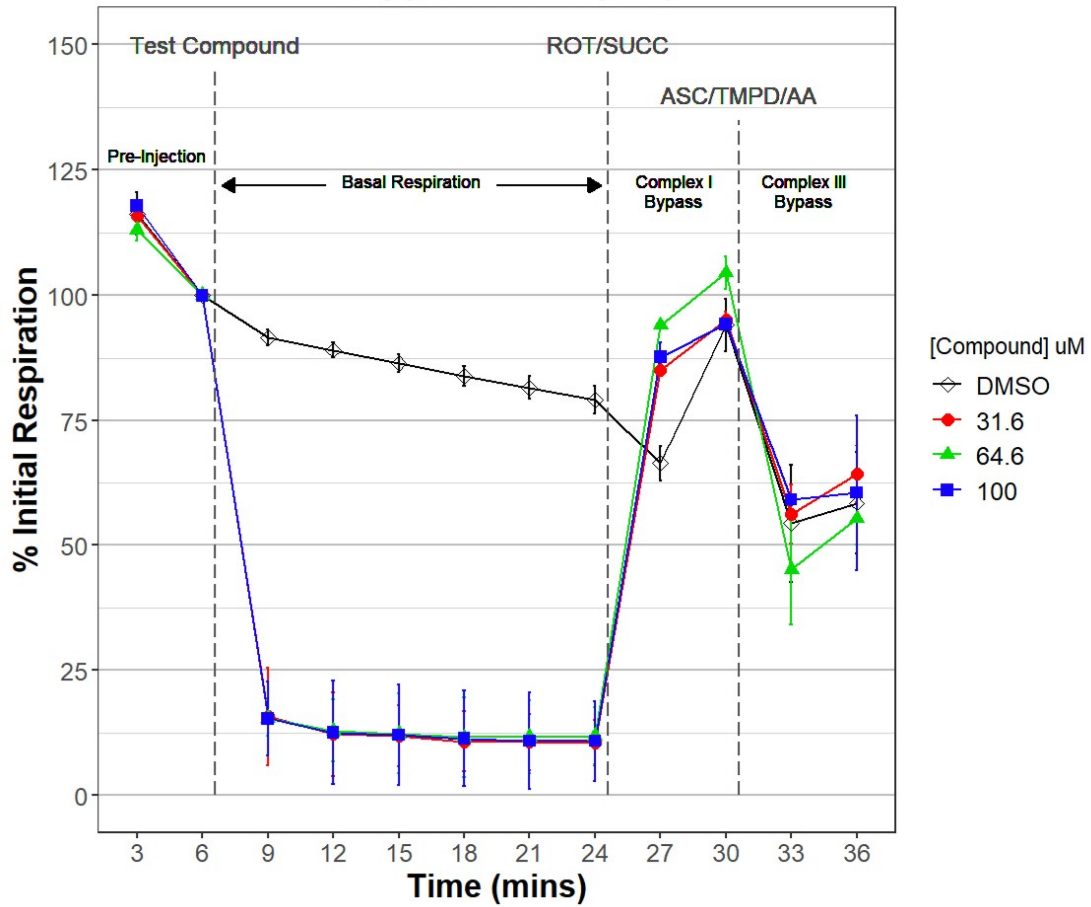
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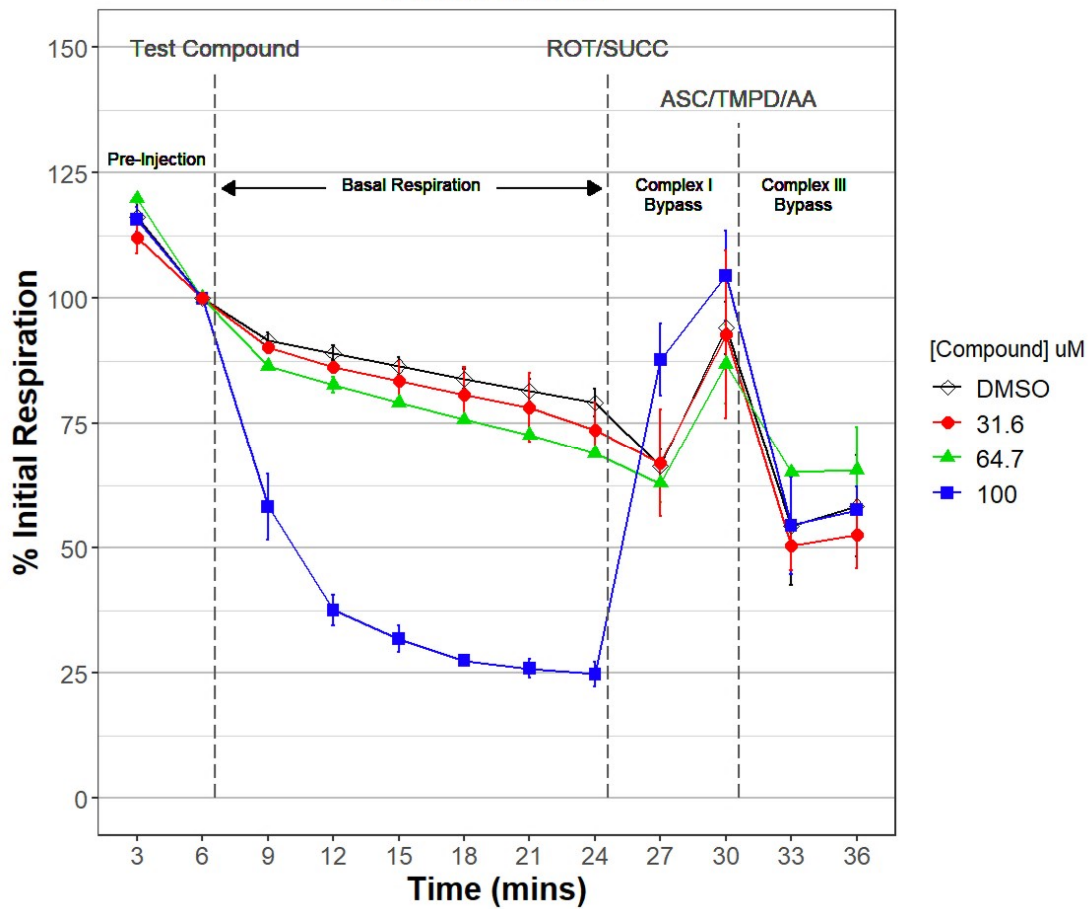
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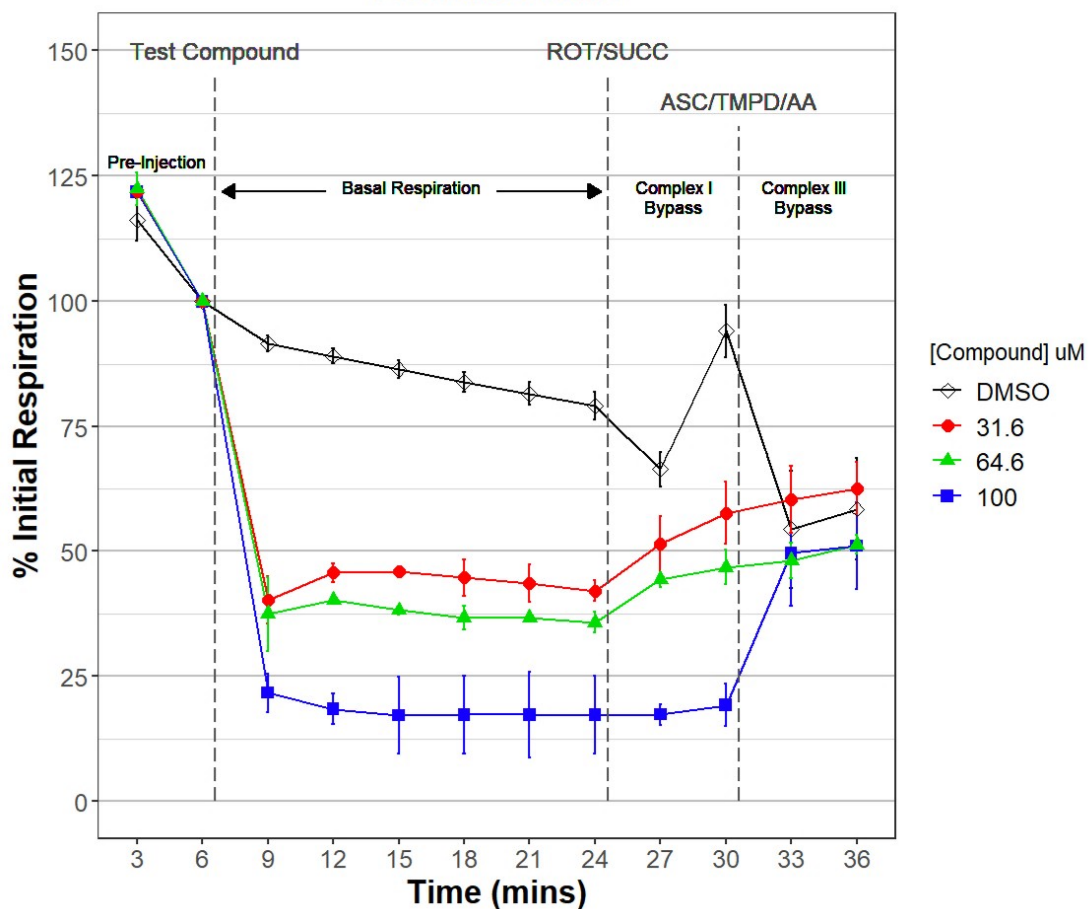
Fenpyroximate (Z,E)



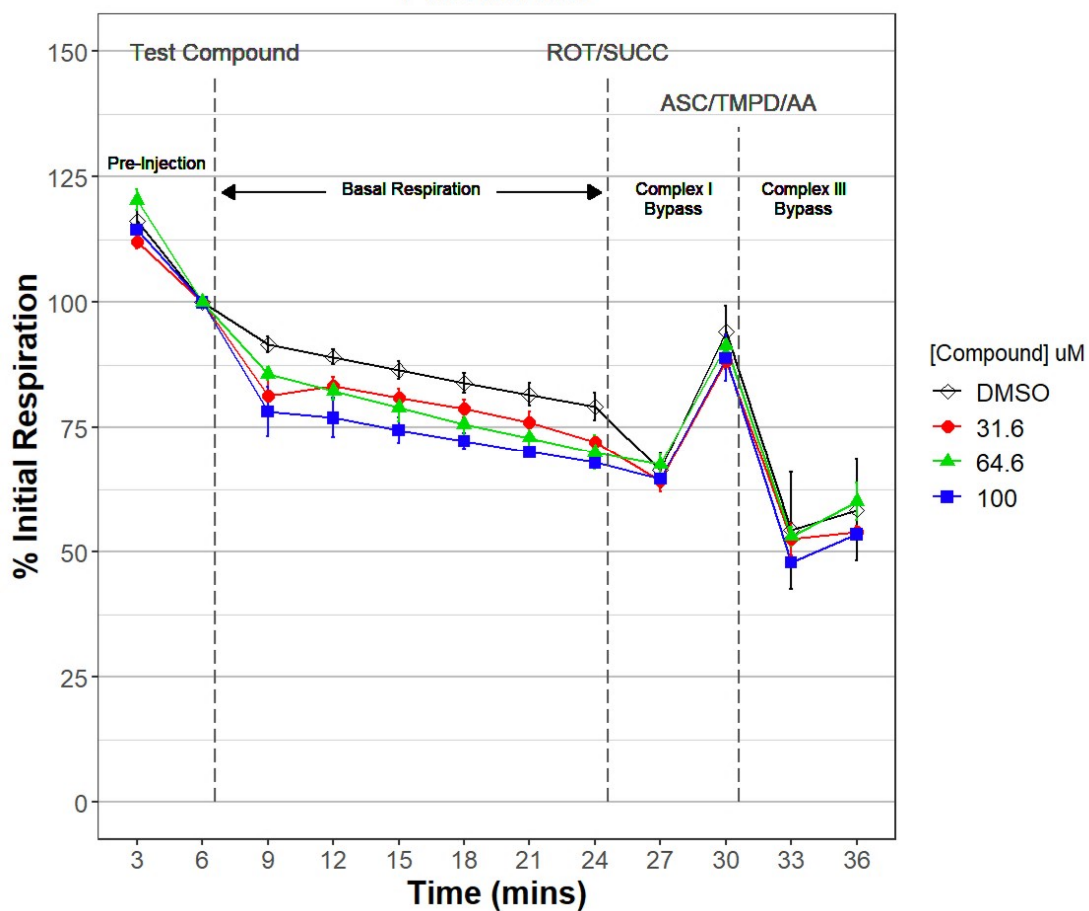
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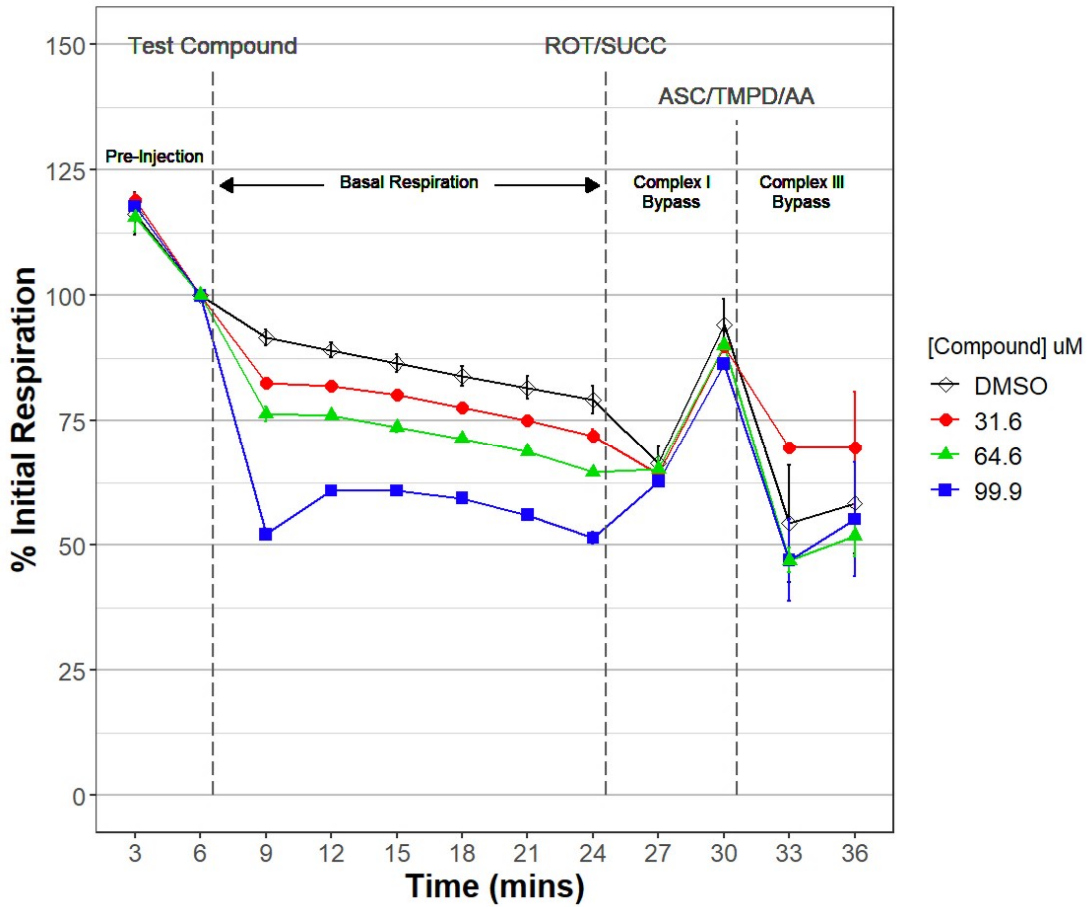
Fluoxastrobin



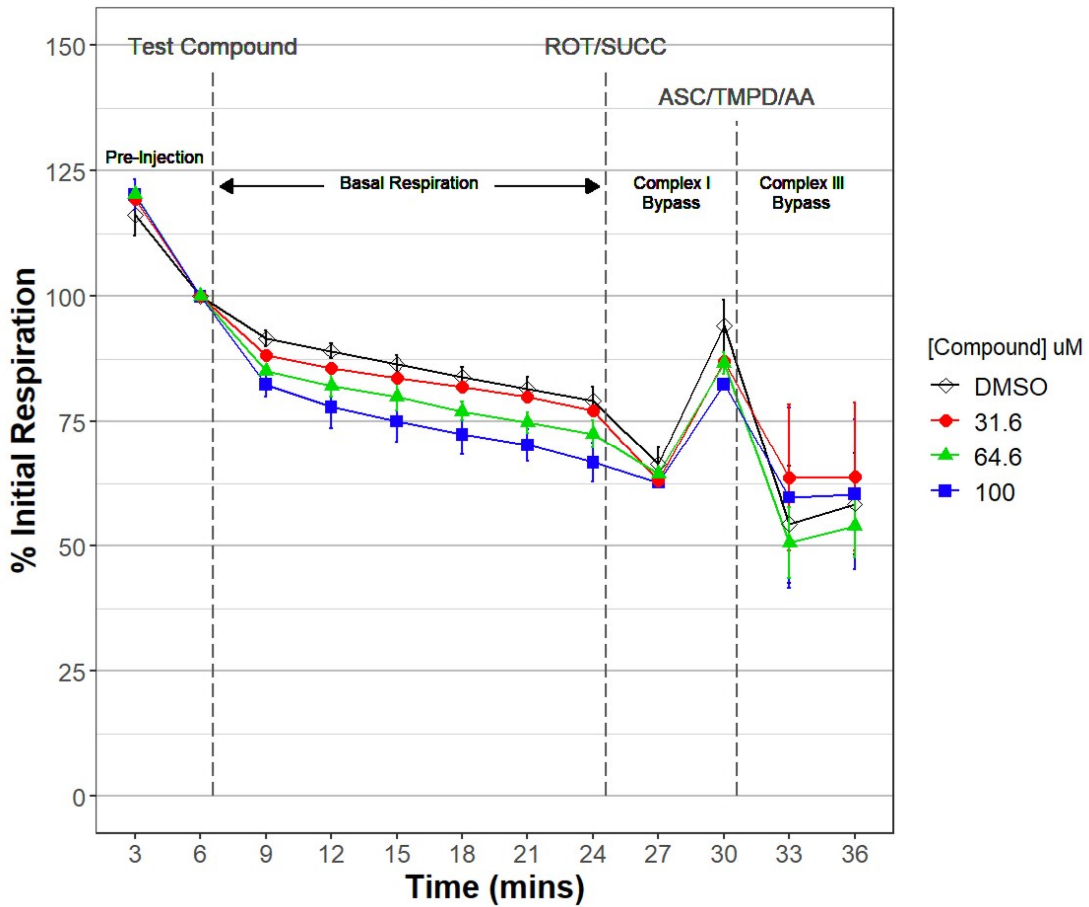
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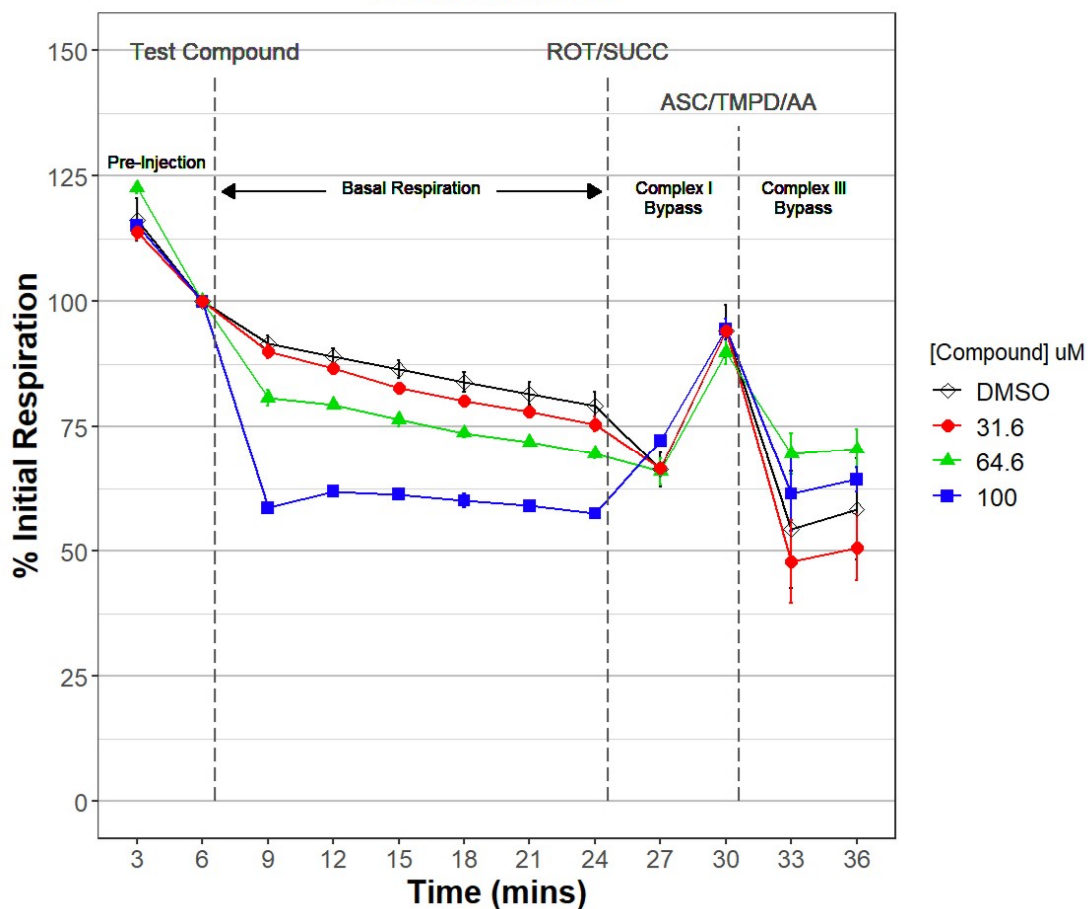
Forchlorfenuron



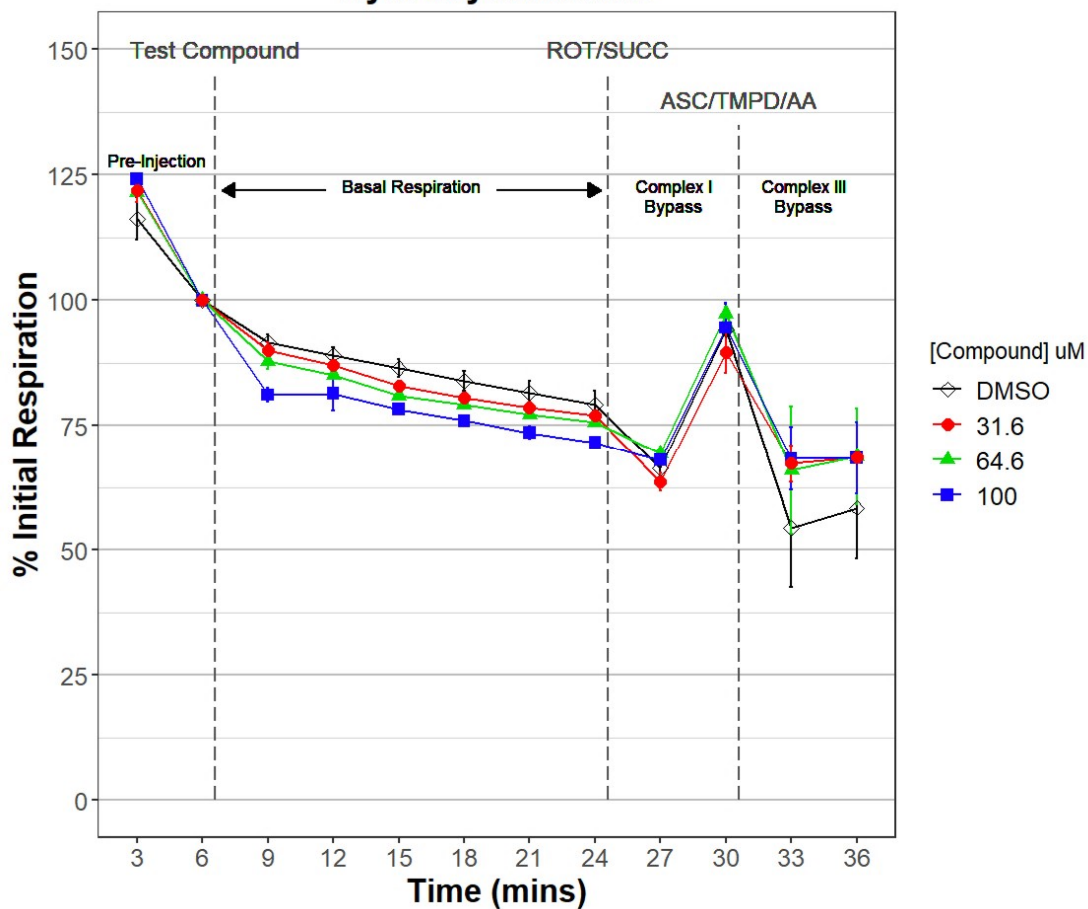
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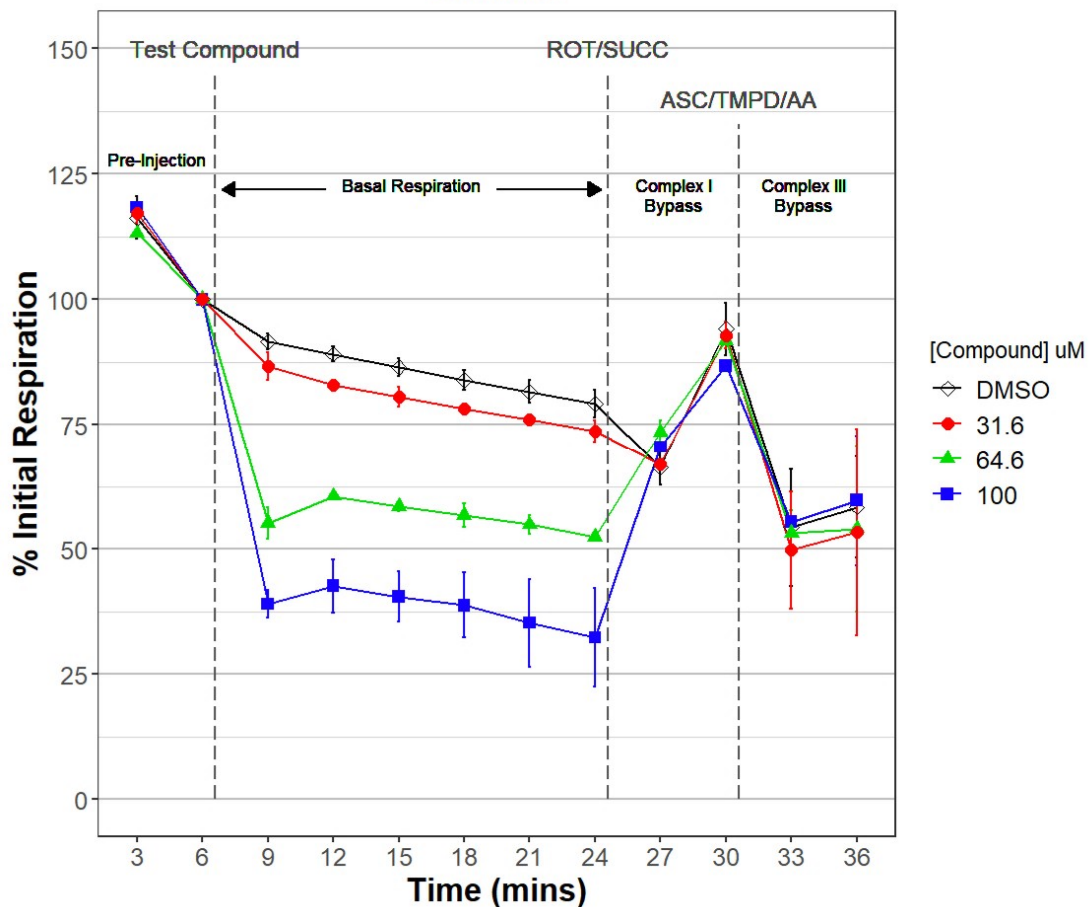
Hexaconazole



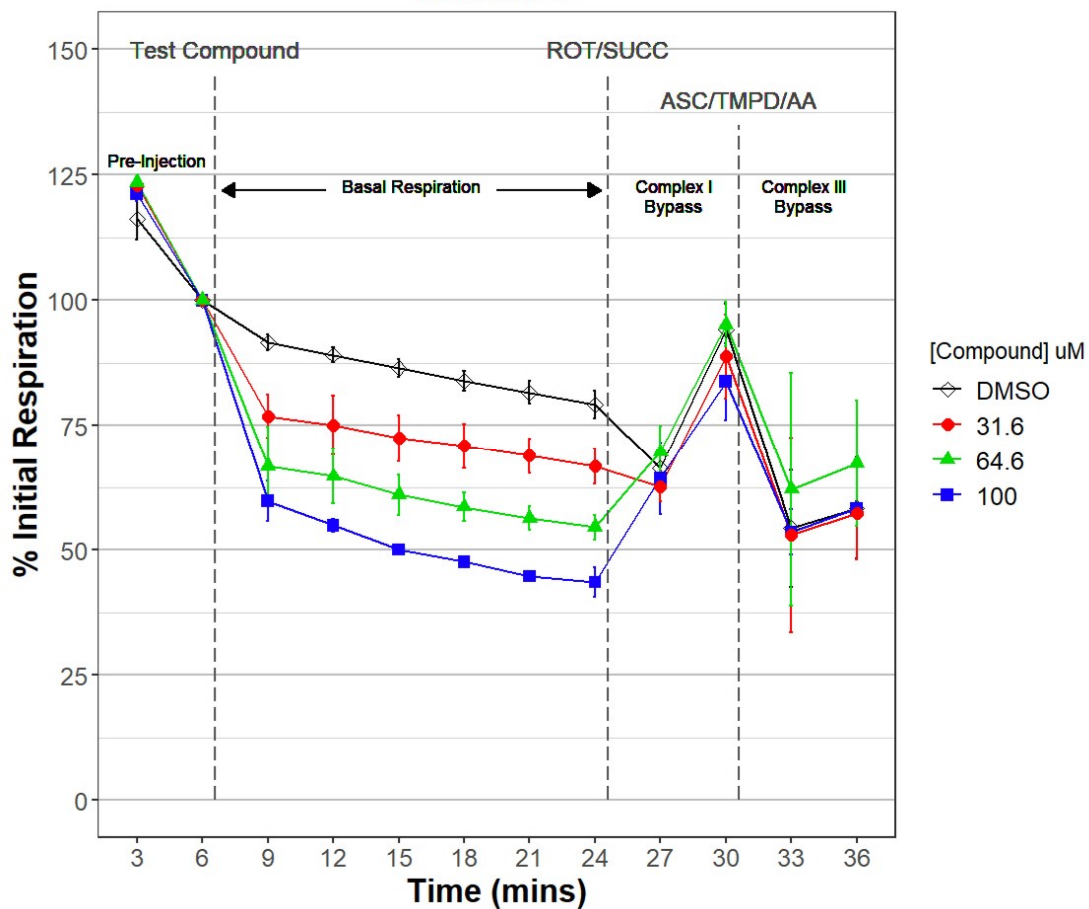
Hydroxyflutamide



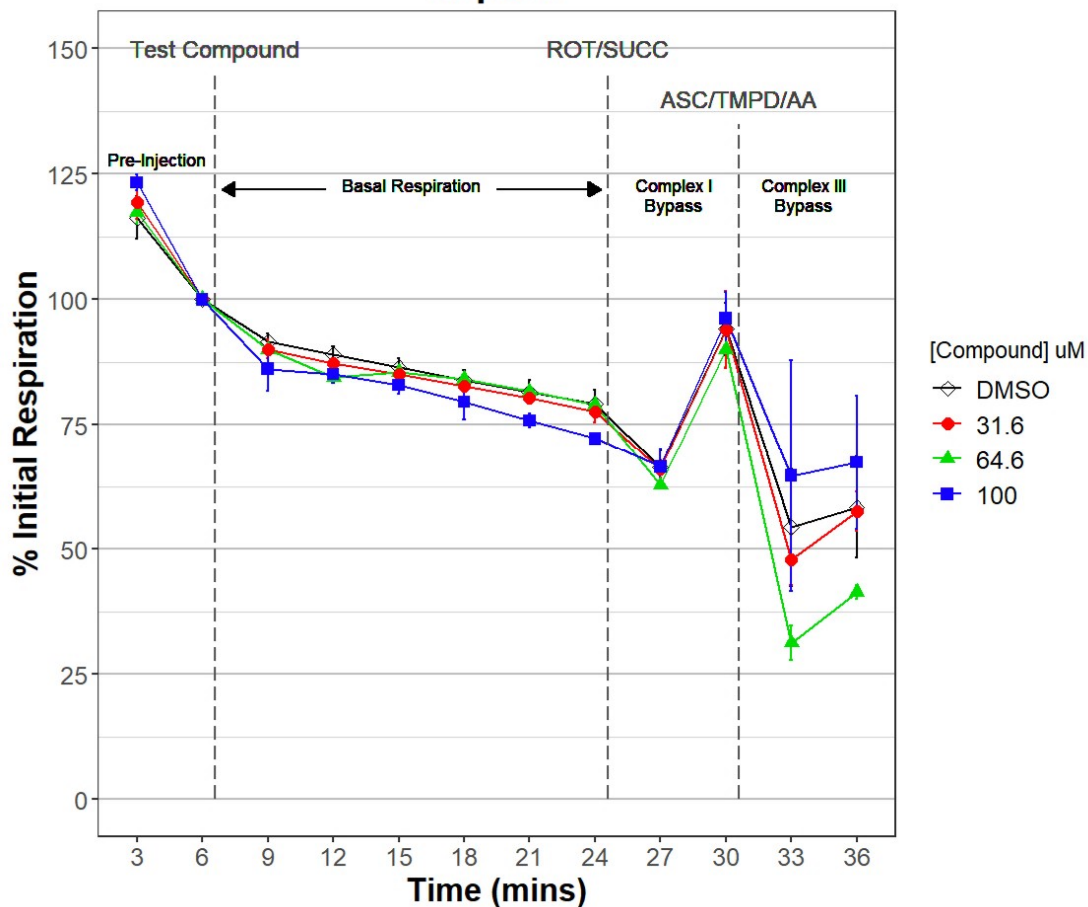
Imazalil



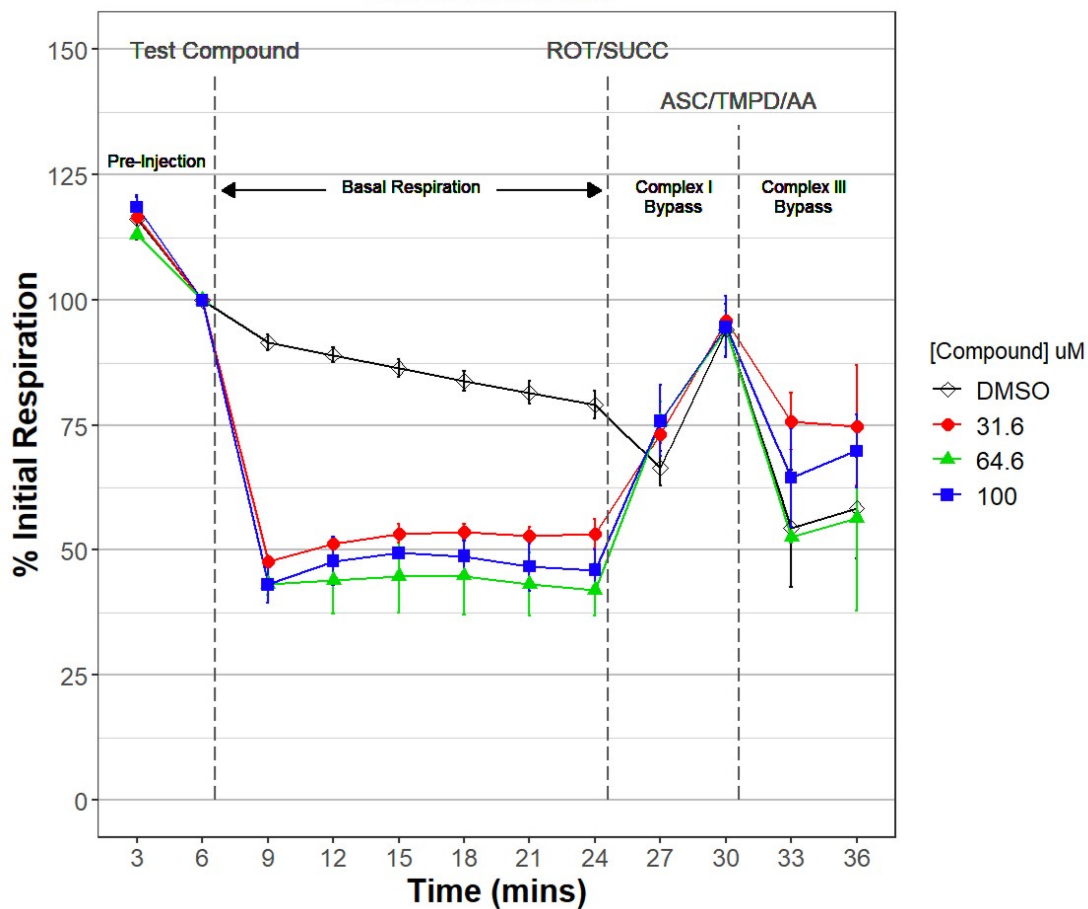
Isazofos



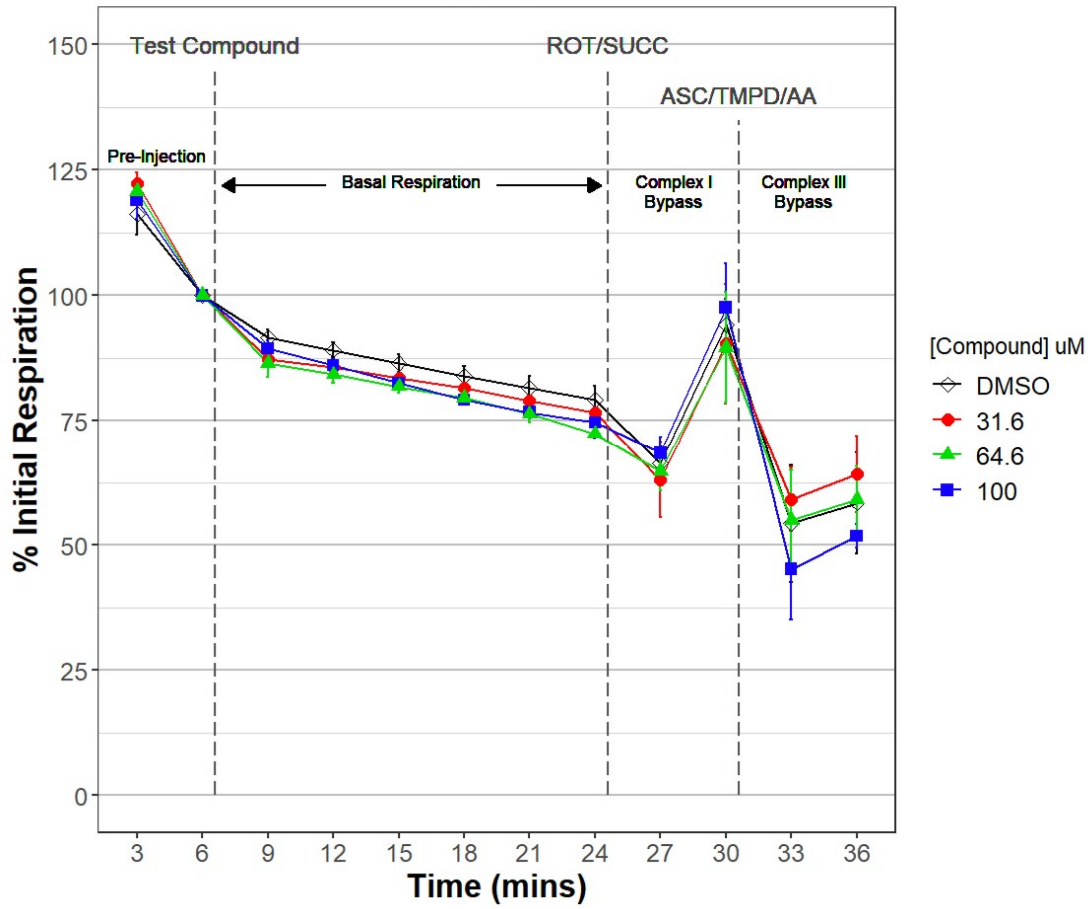
Kepone



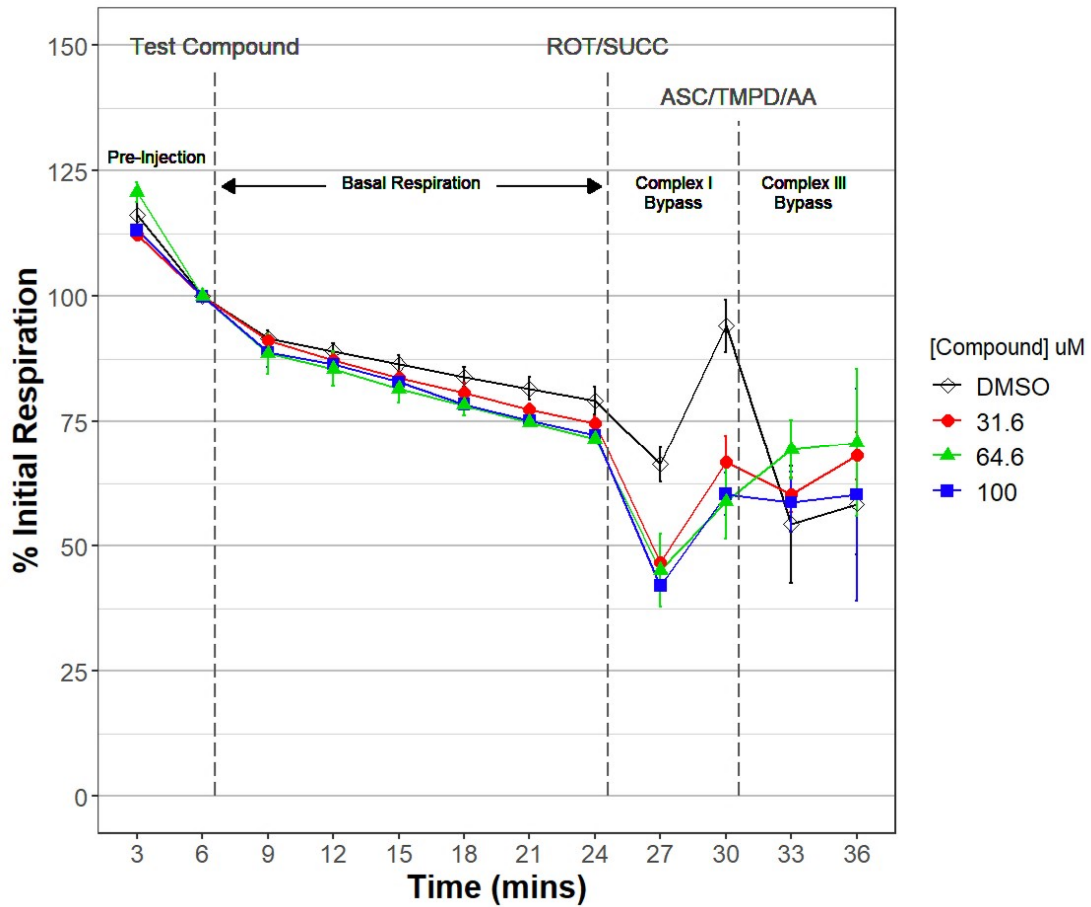
Ketoconazole



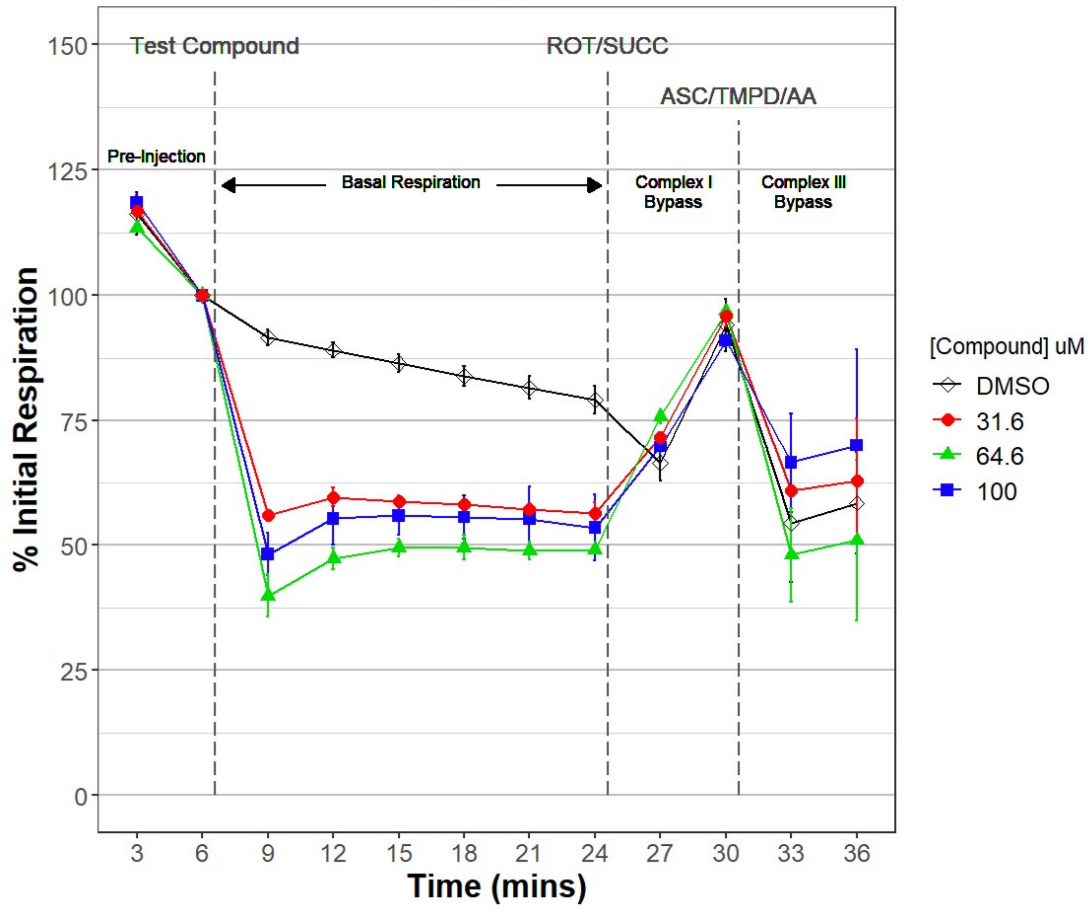
Linuron



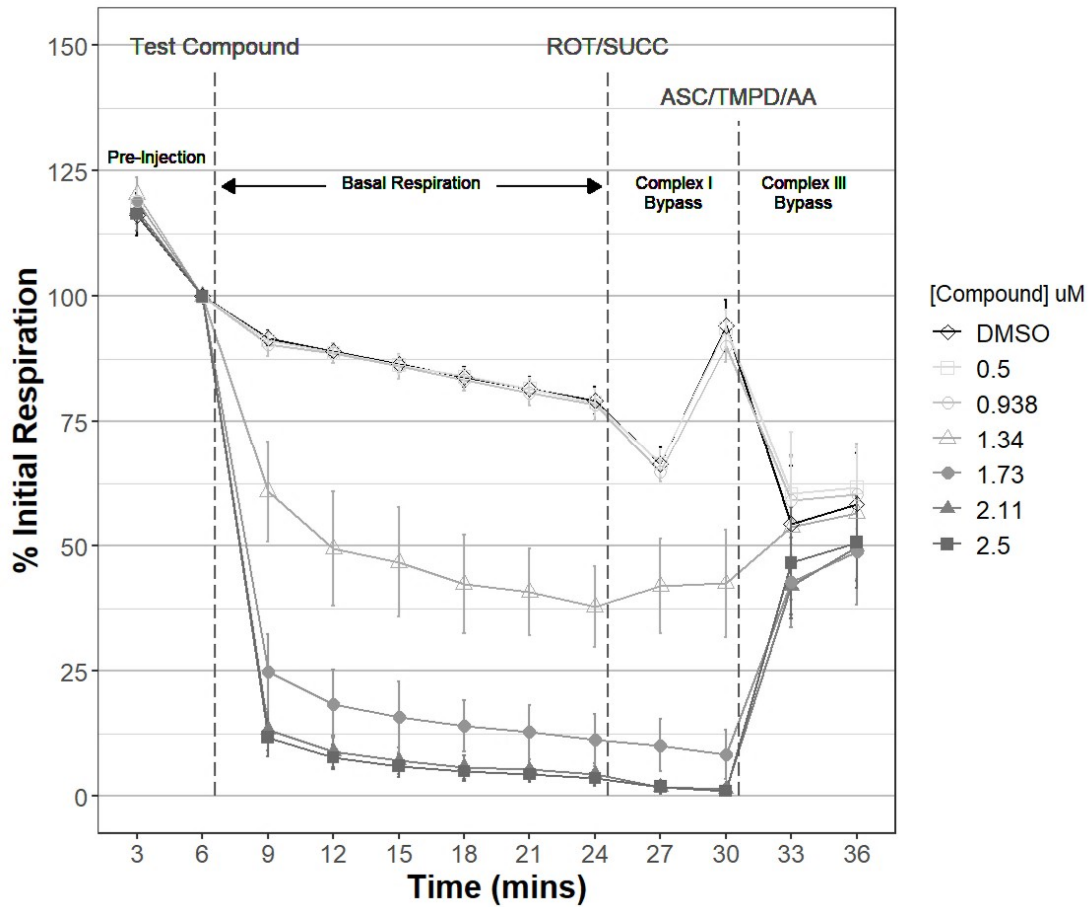
MK-274



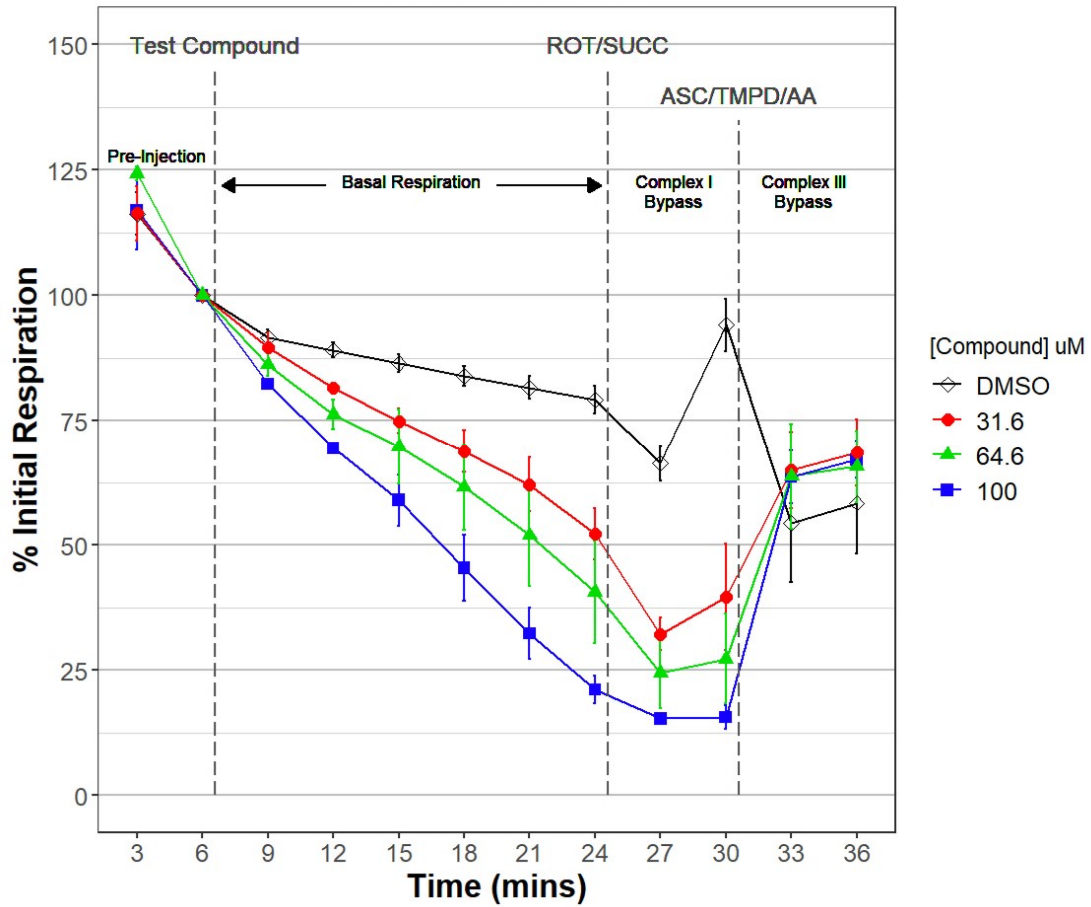
MK-968



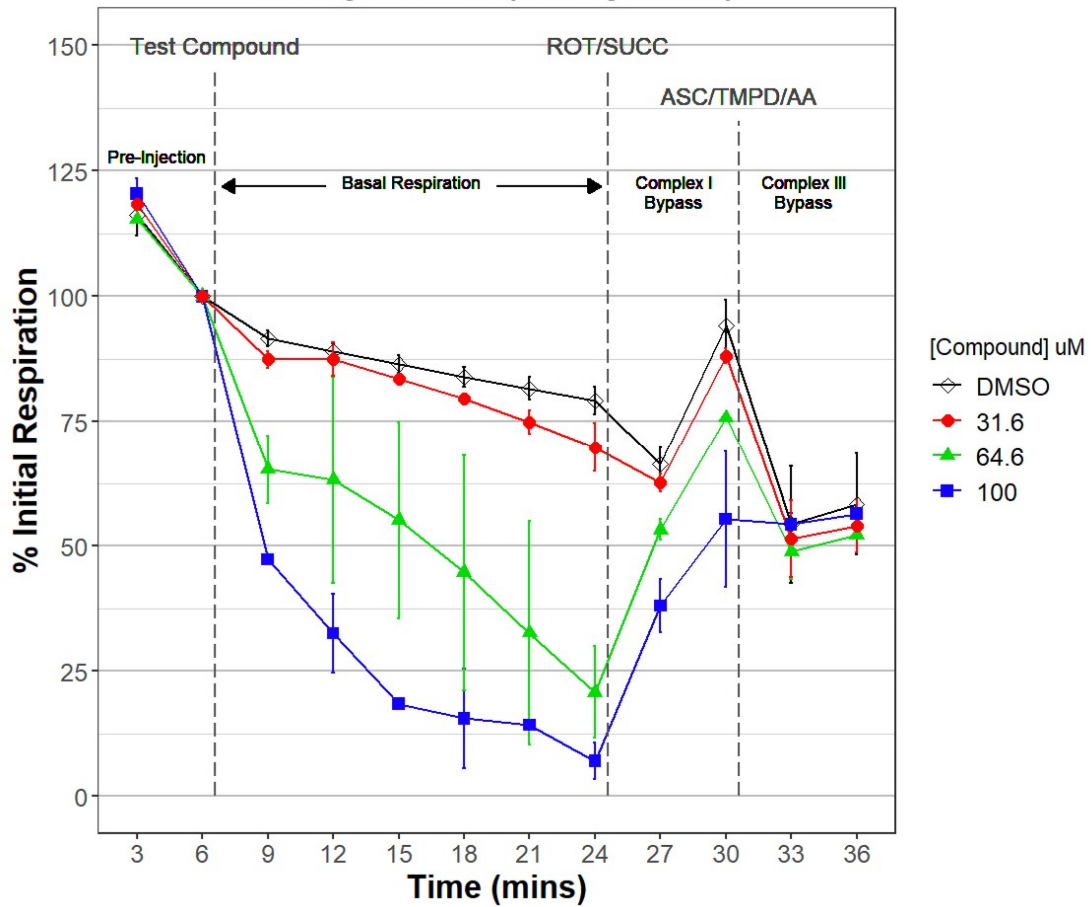
MYXO



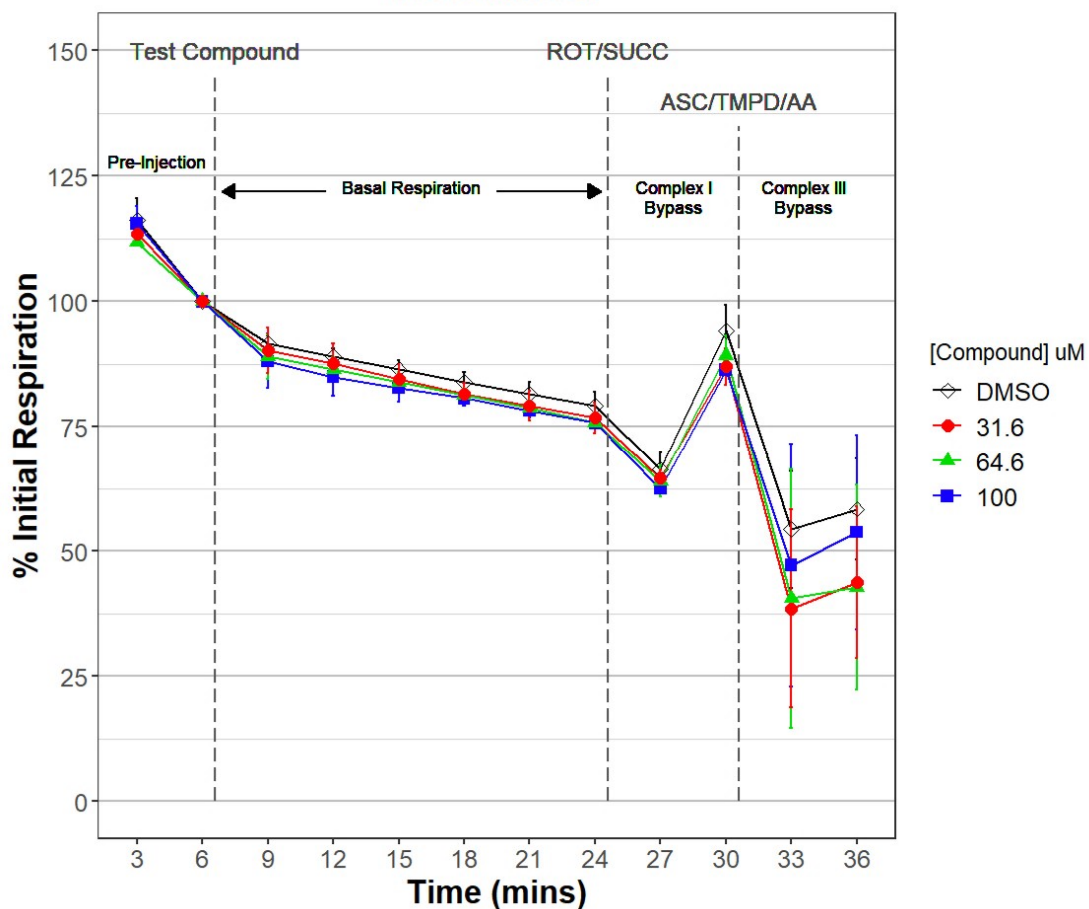
Mercuric chloride



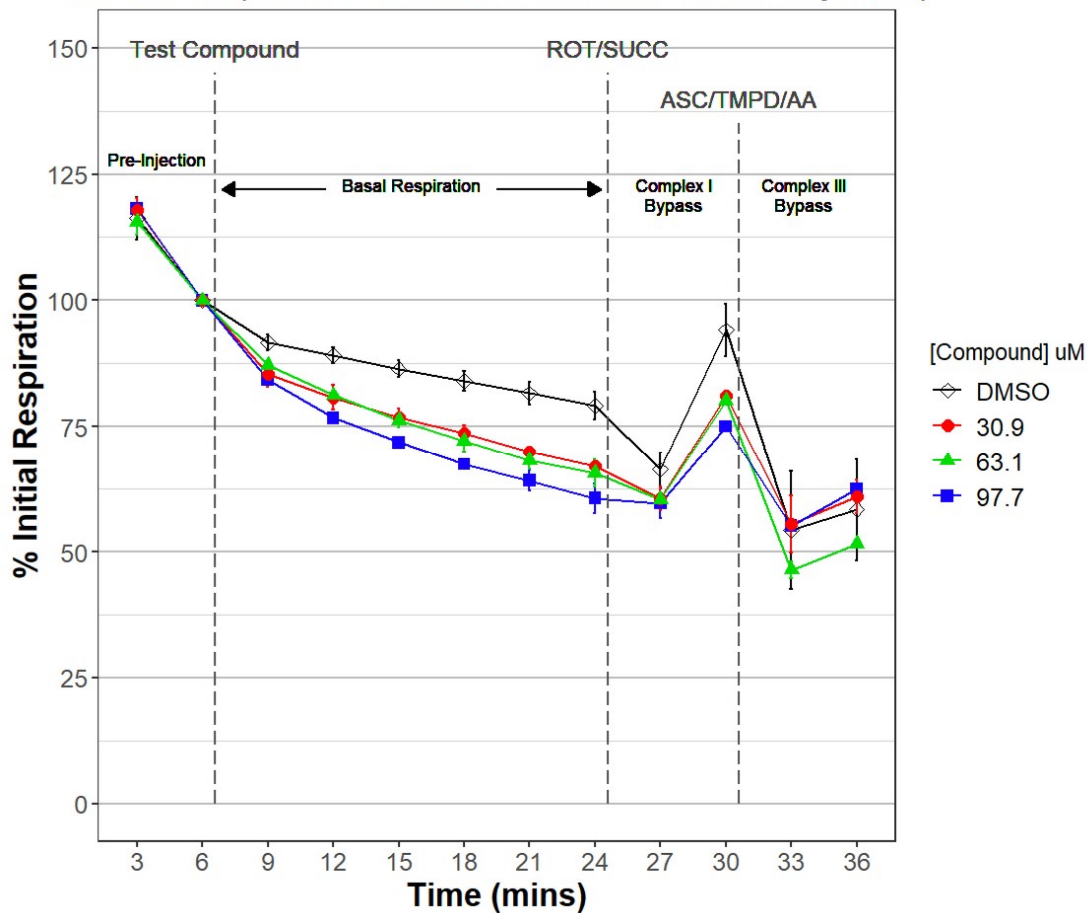
Methylene bis(thiocyanate)



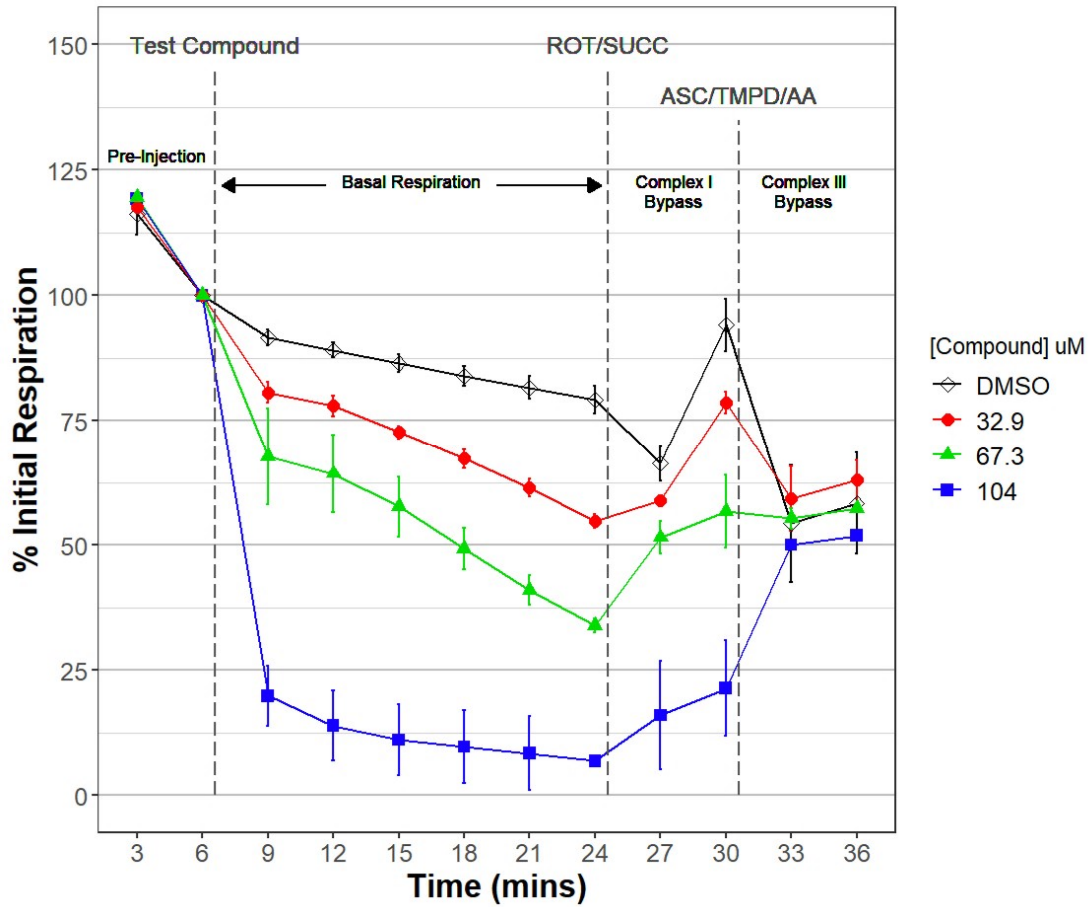
Metolachlor



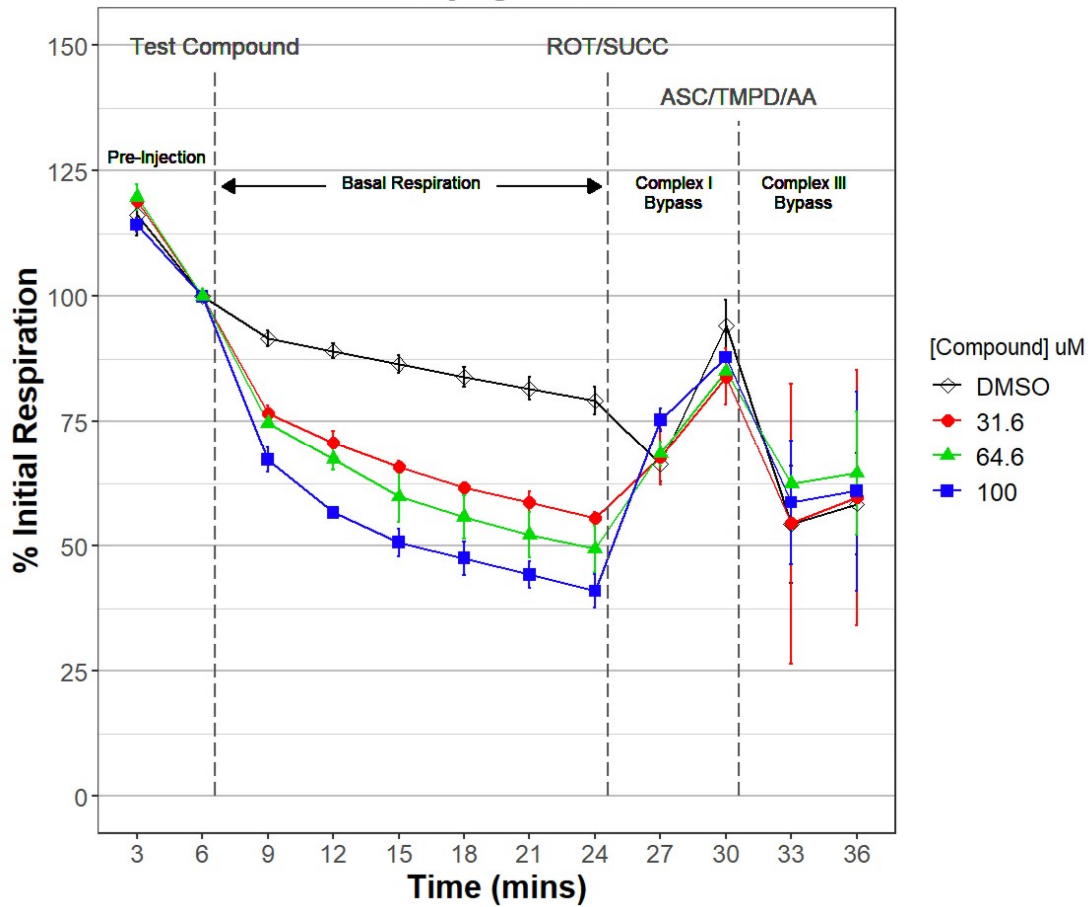
Milbemectin (mixture of 70% Milbemcin A4, 30% Milbemycin A3)



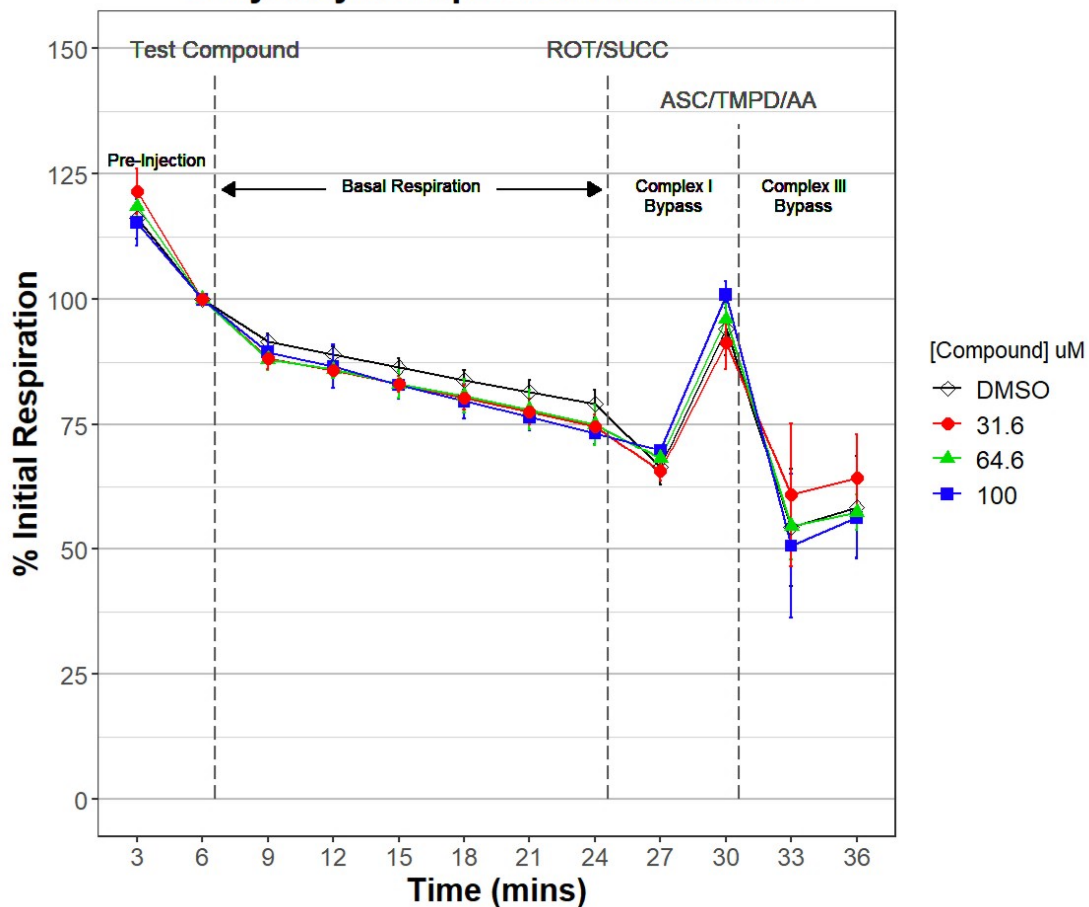
Octhilinone



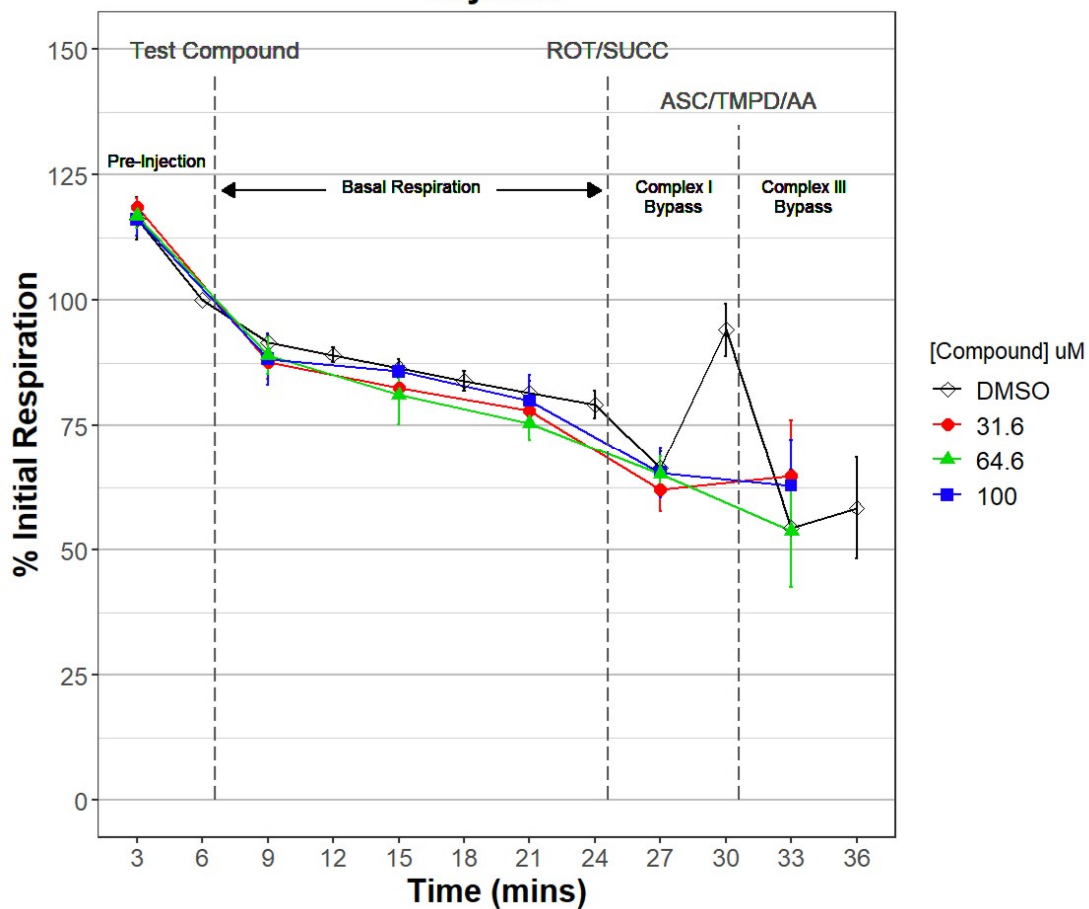
Octyl gallate



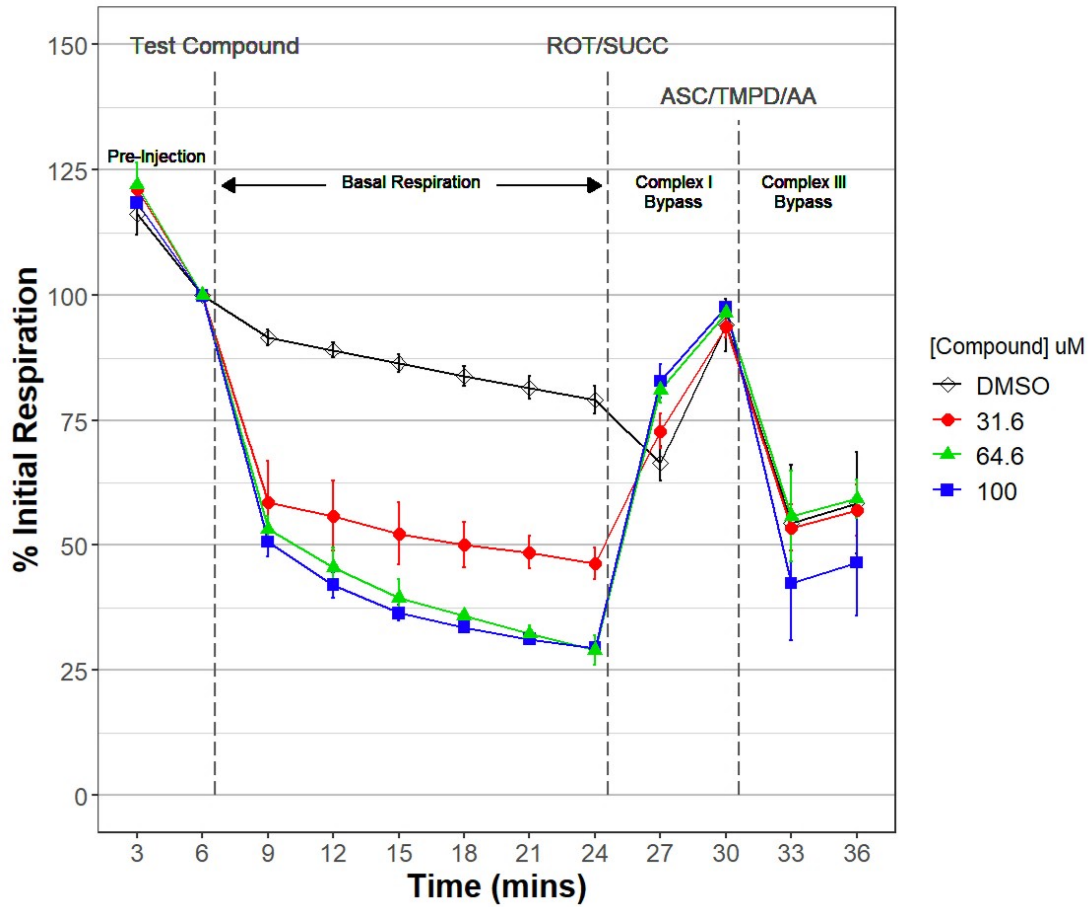
Octylbicycloheptenedicarboximide



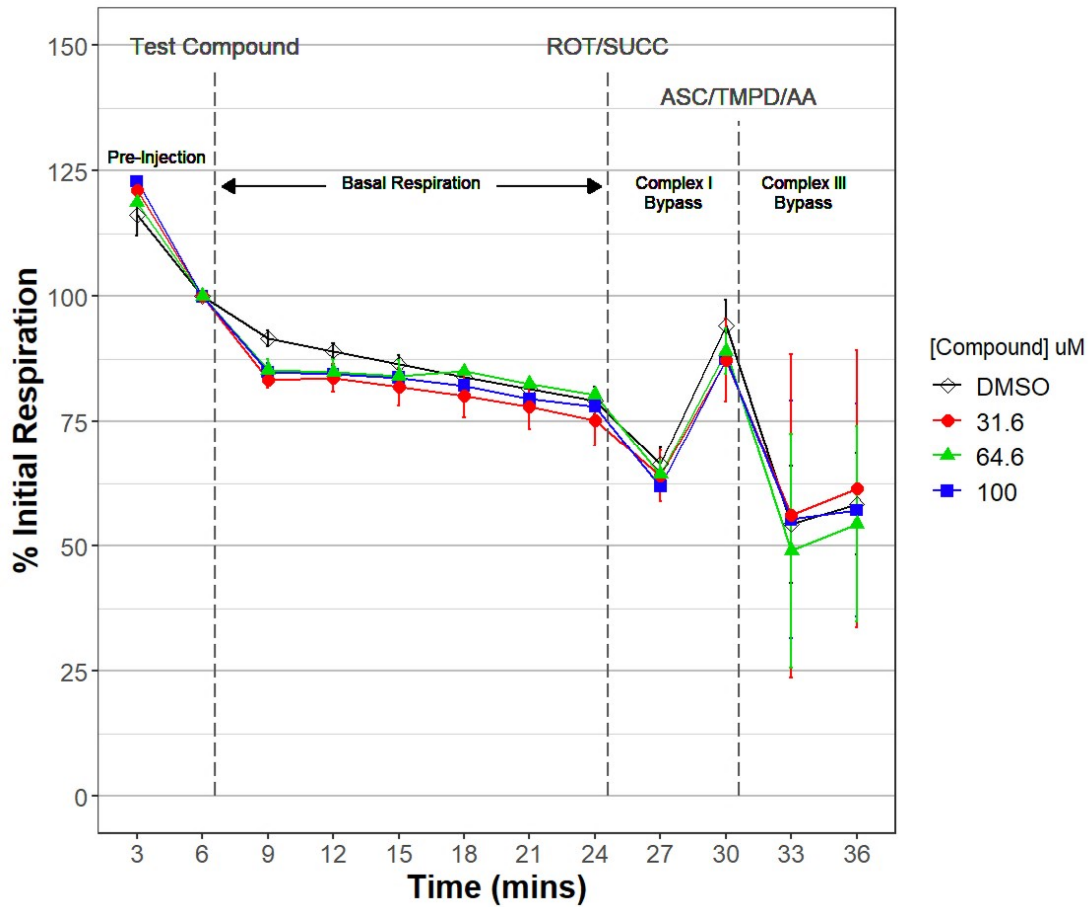
Oryzalin



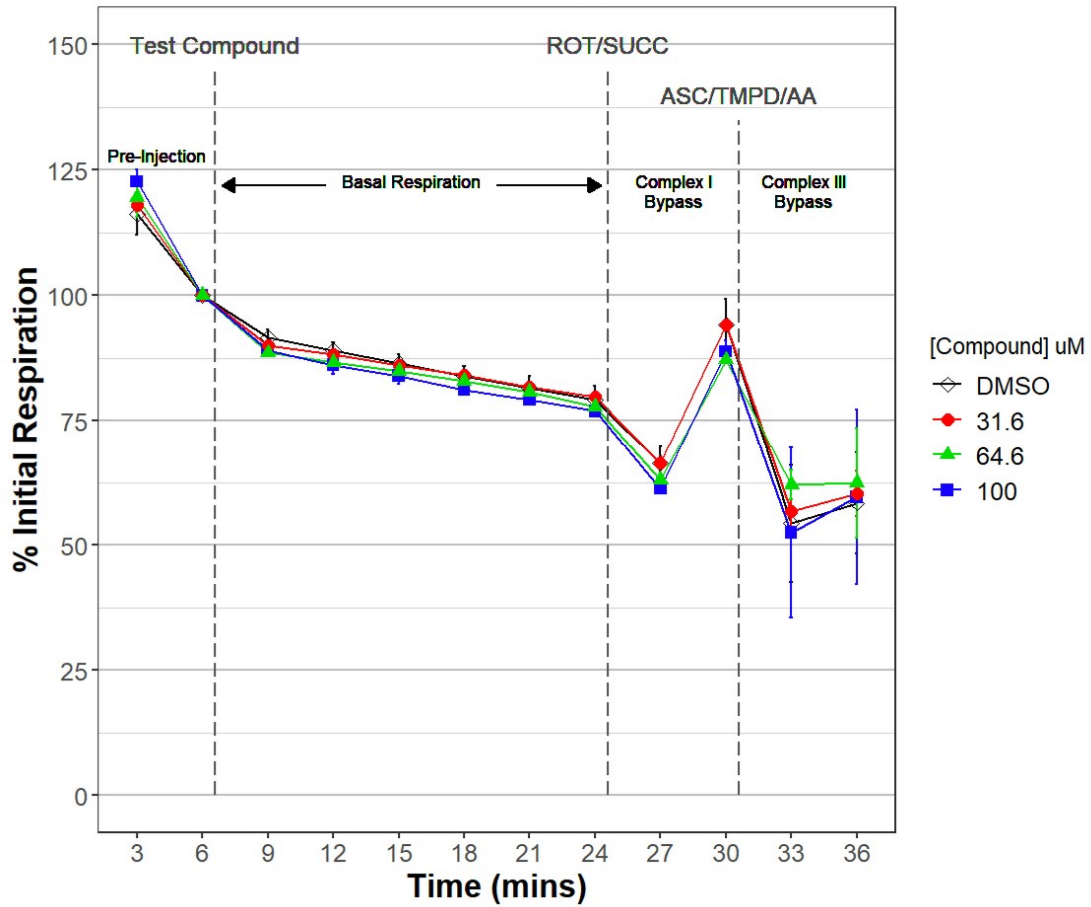
PD 0343701



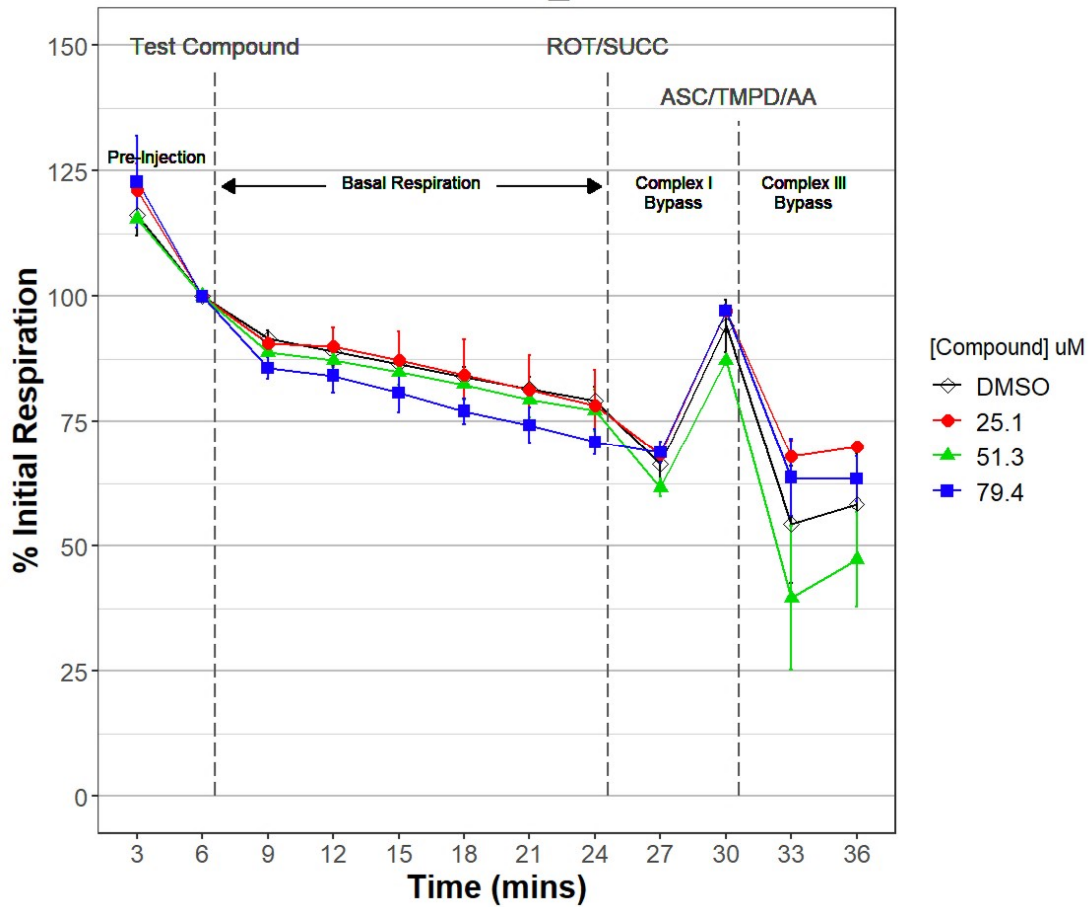
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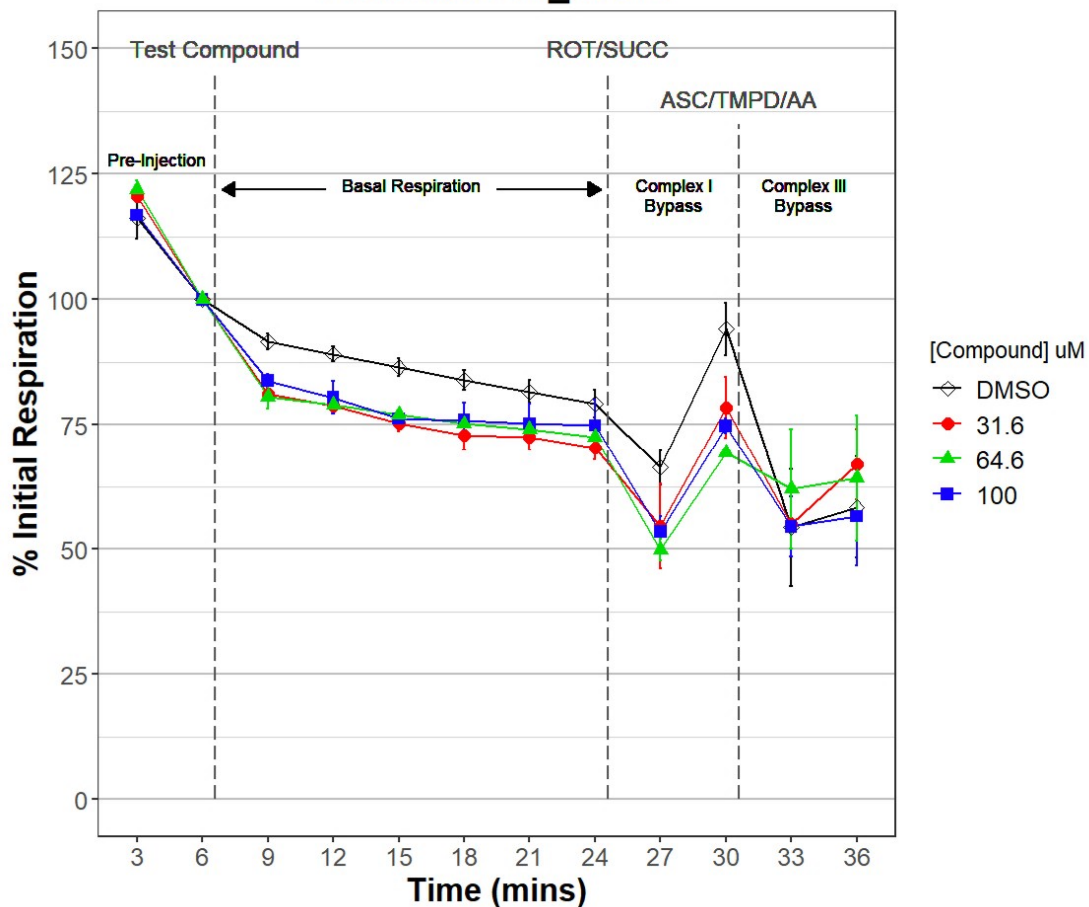
Pendimethalin



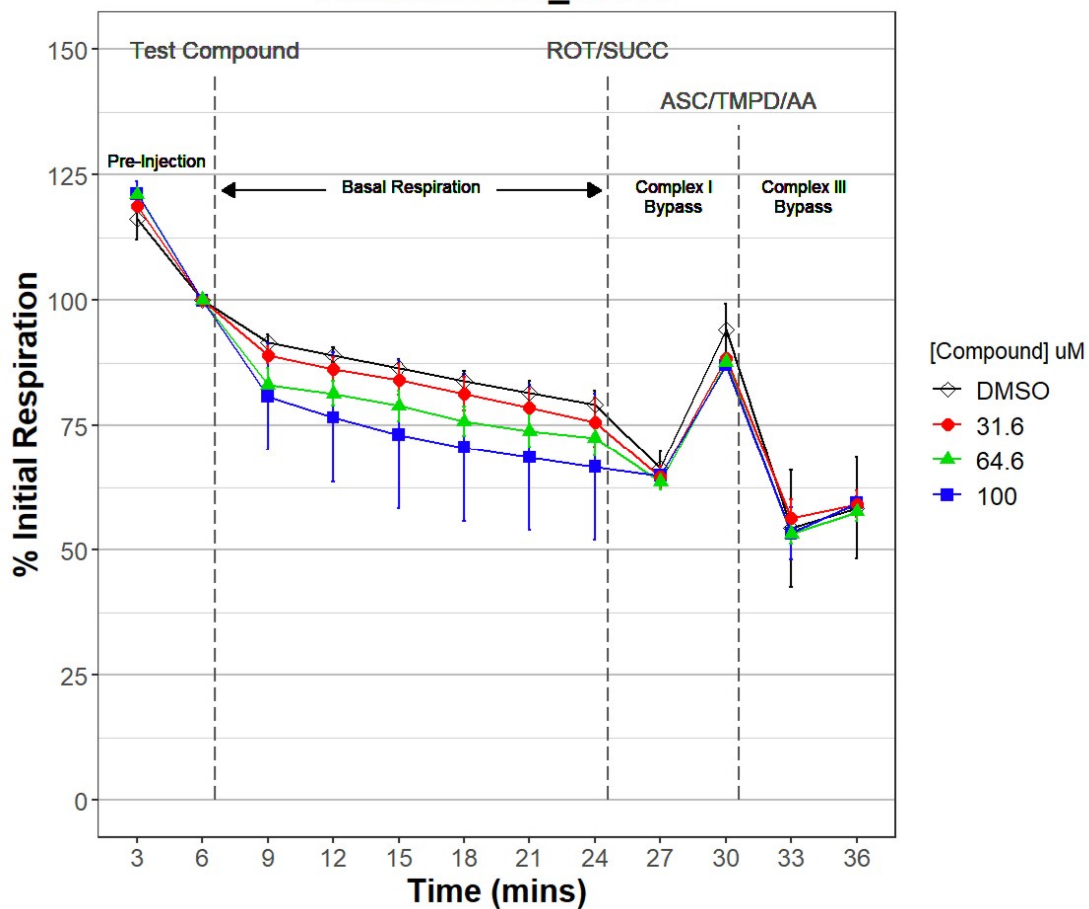
PharmaGSID_48172



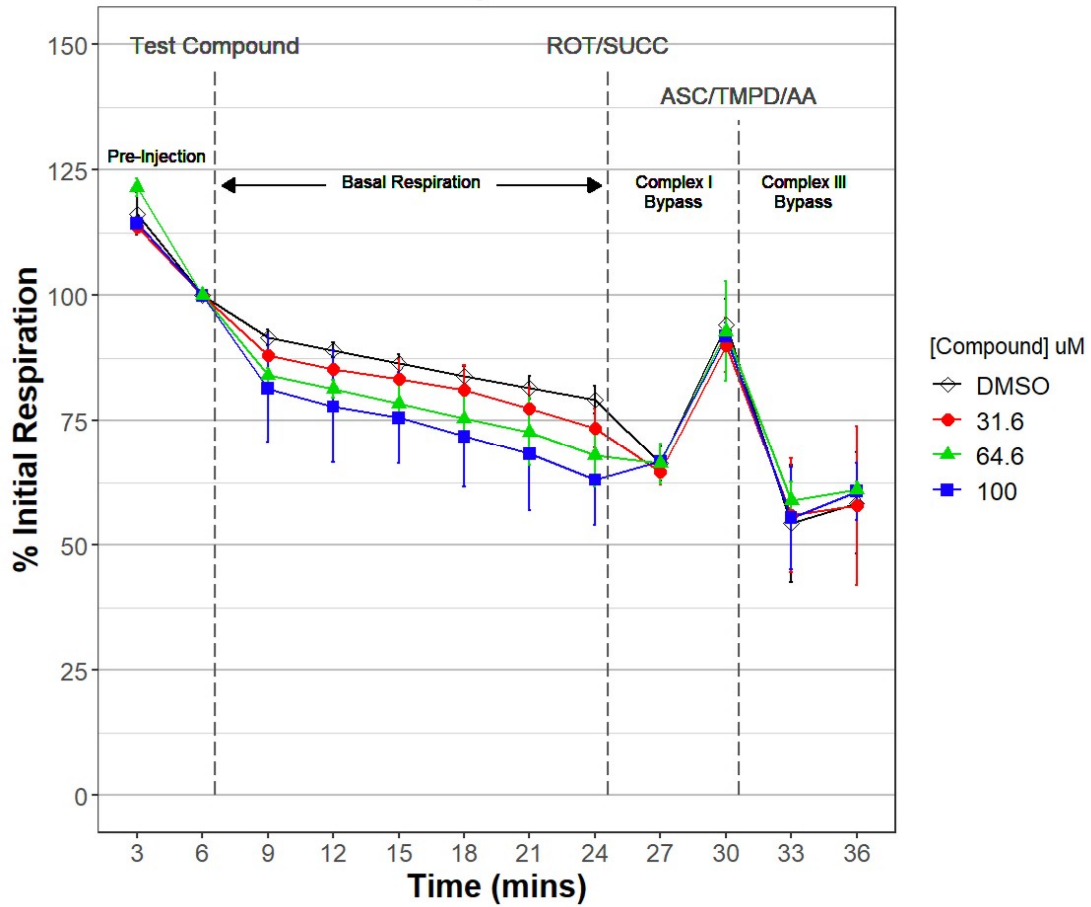
PharmaGSID_48514



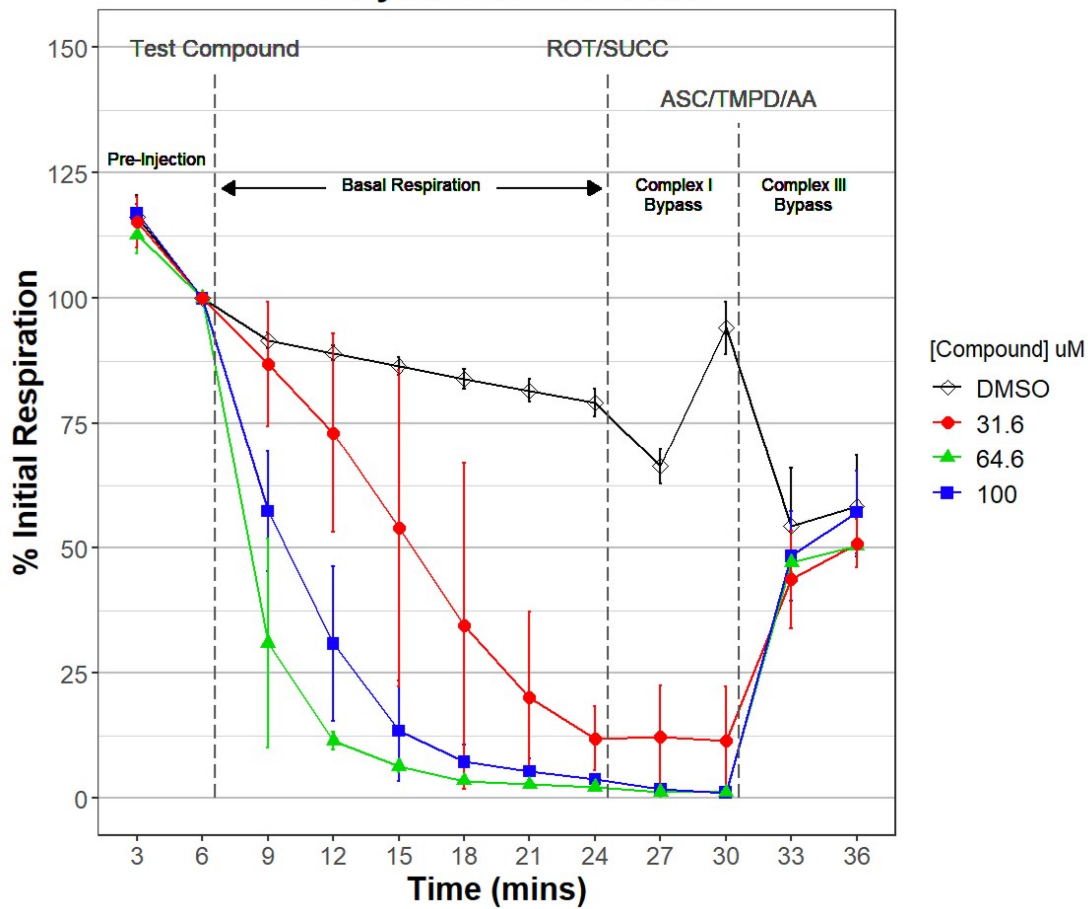
PharmaGSID_48519



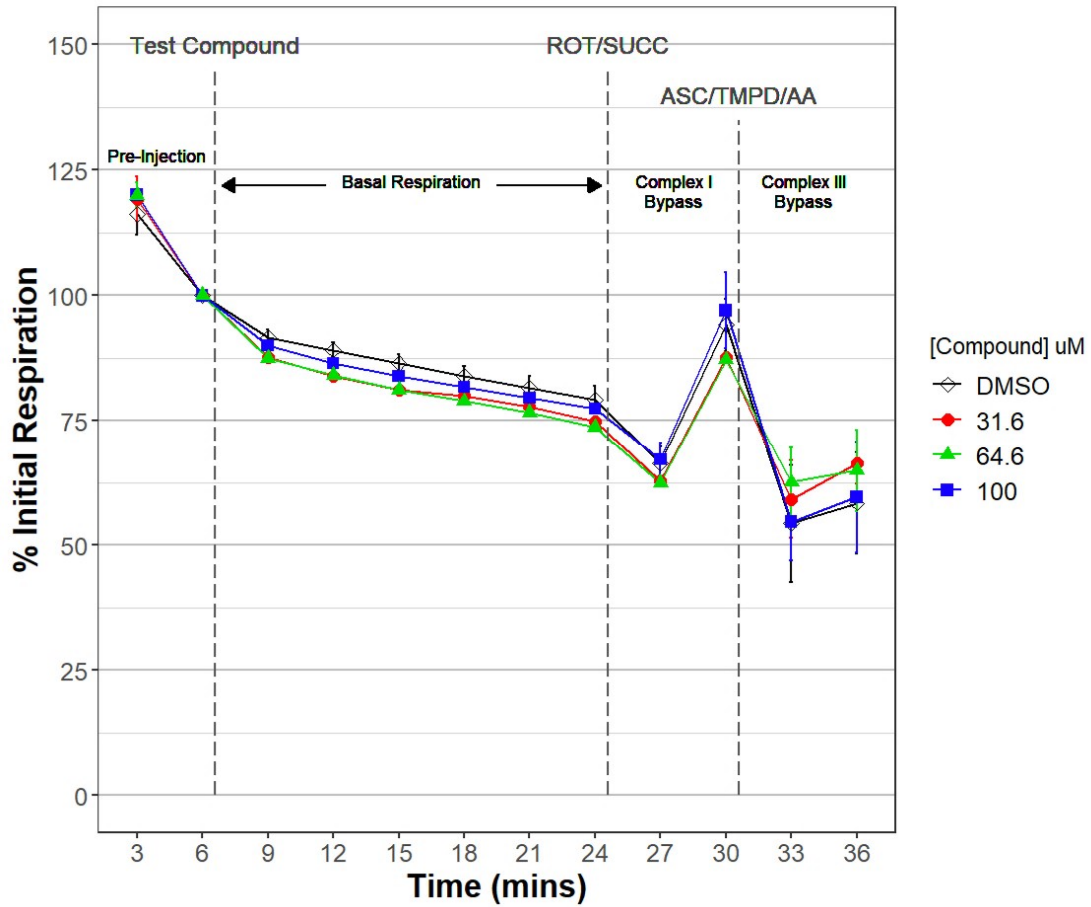
Phenolphthalein



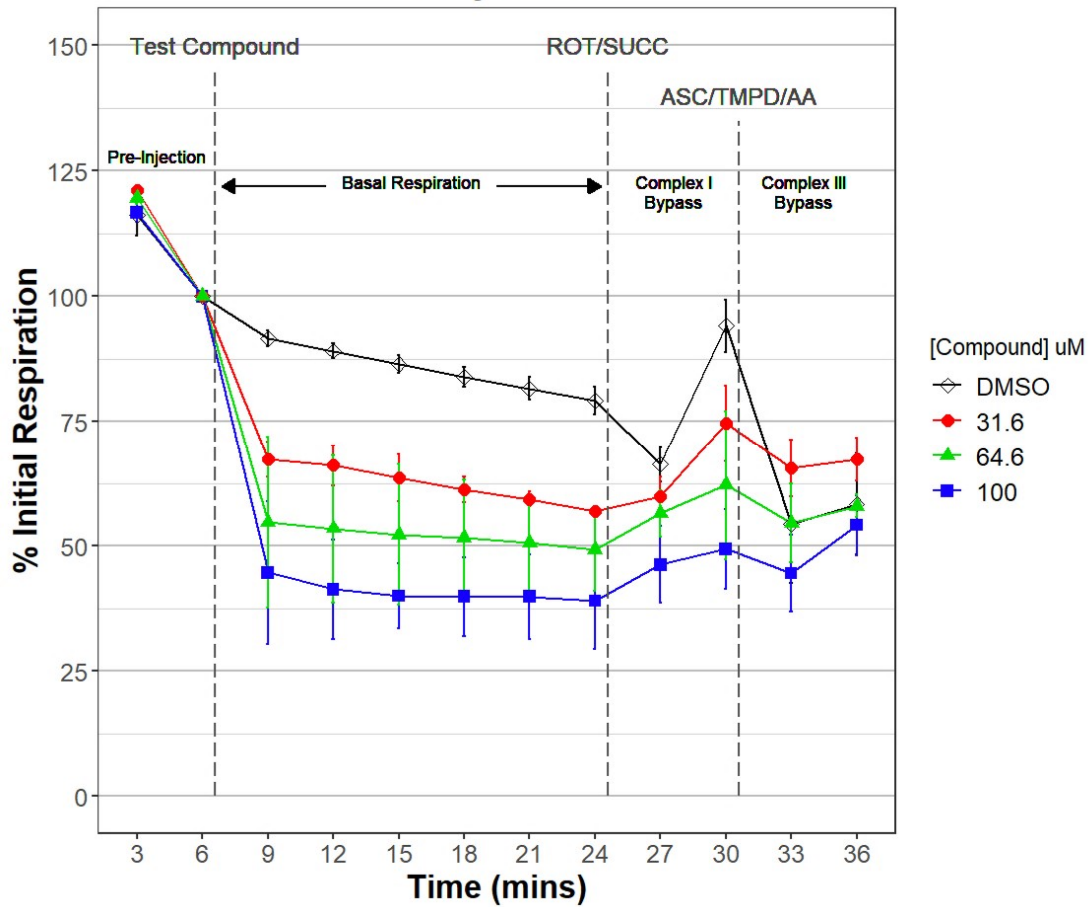
Phenylmercuric acetate



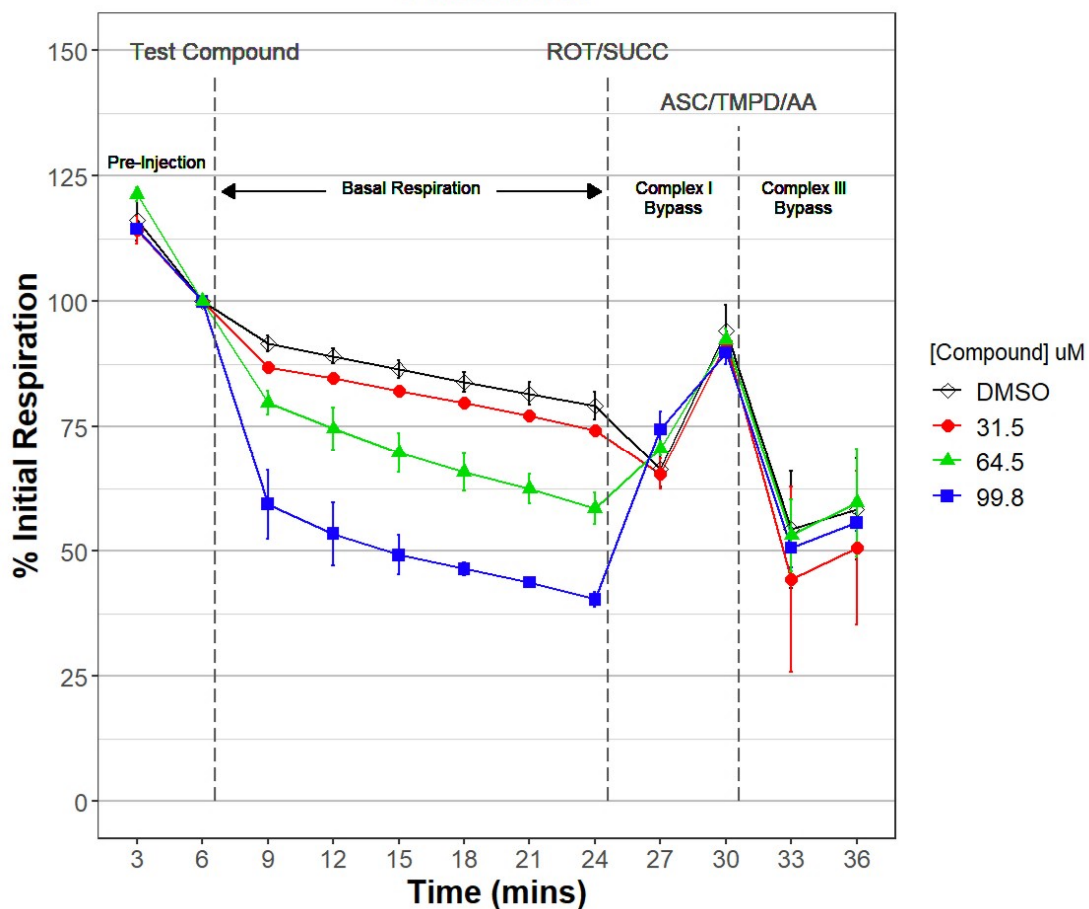
Phorate



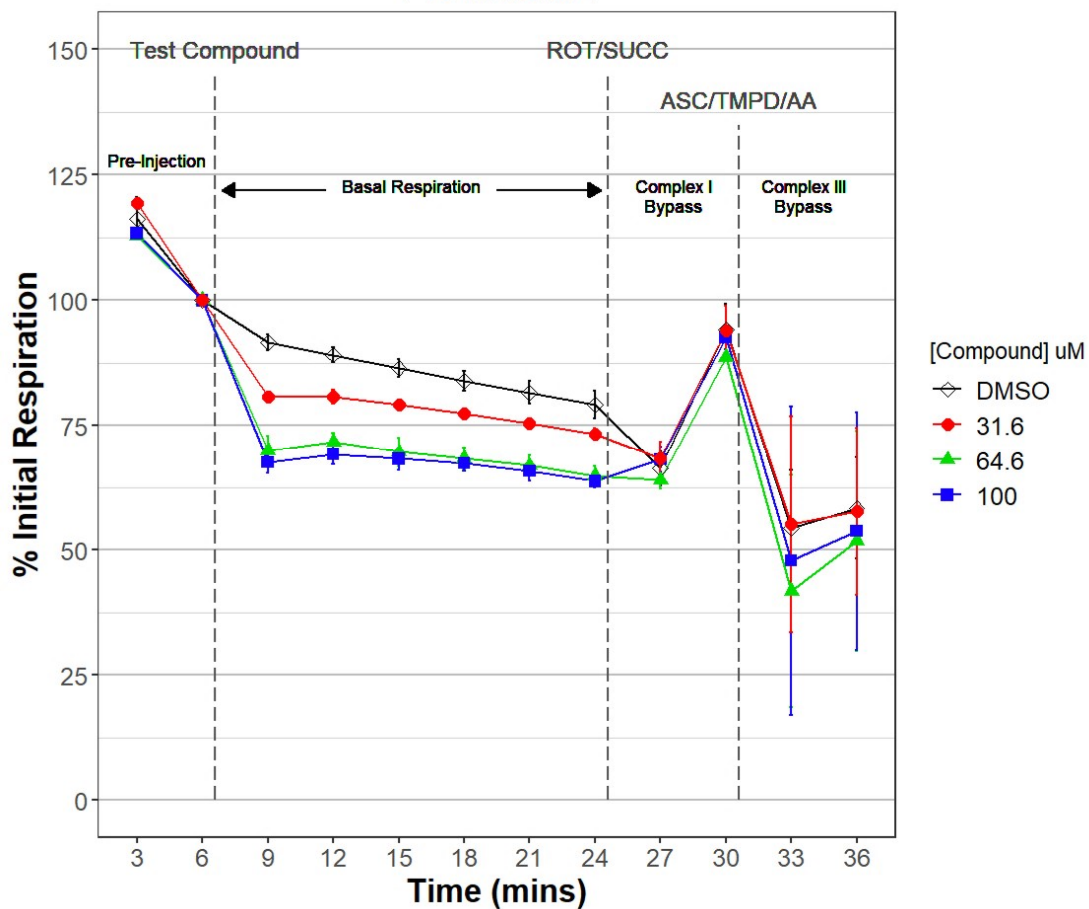
Picoxystrobin



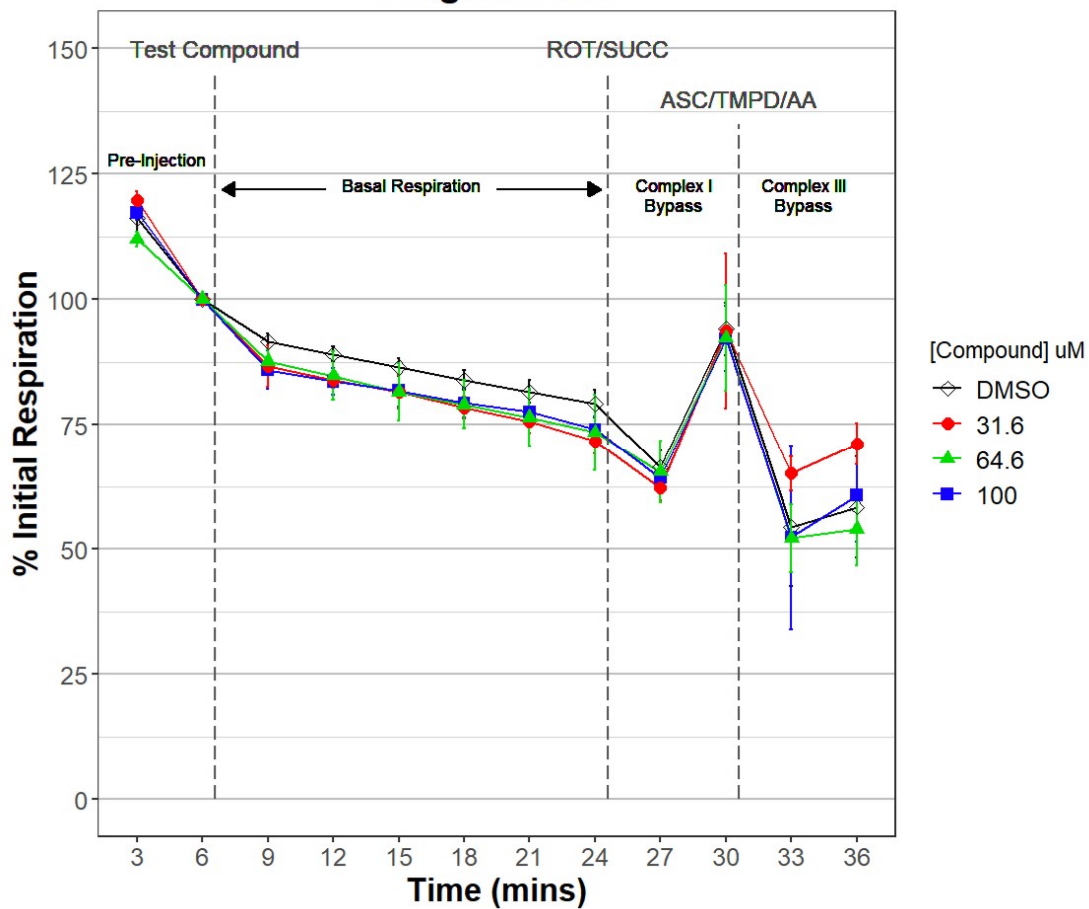
Prallethrin



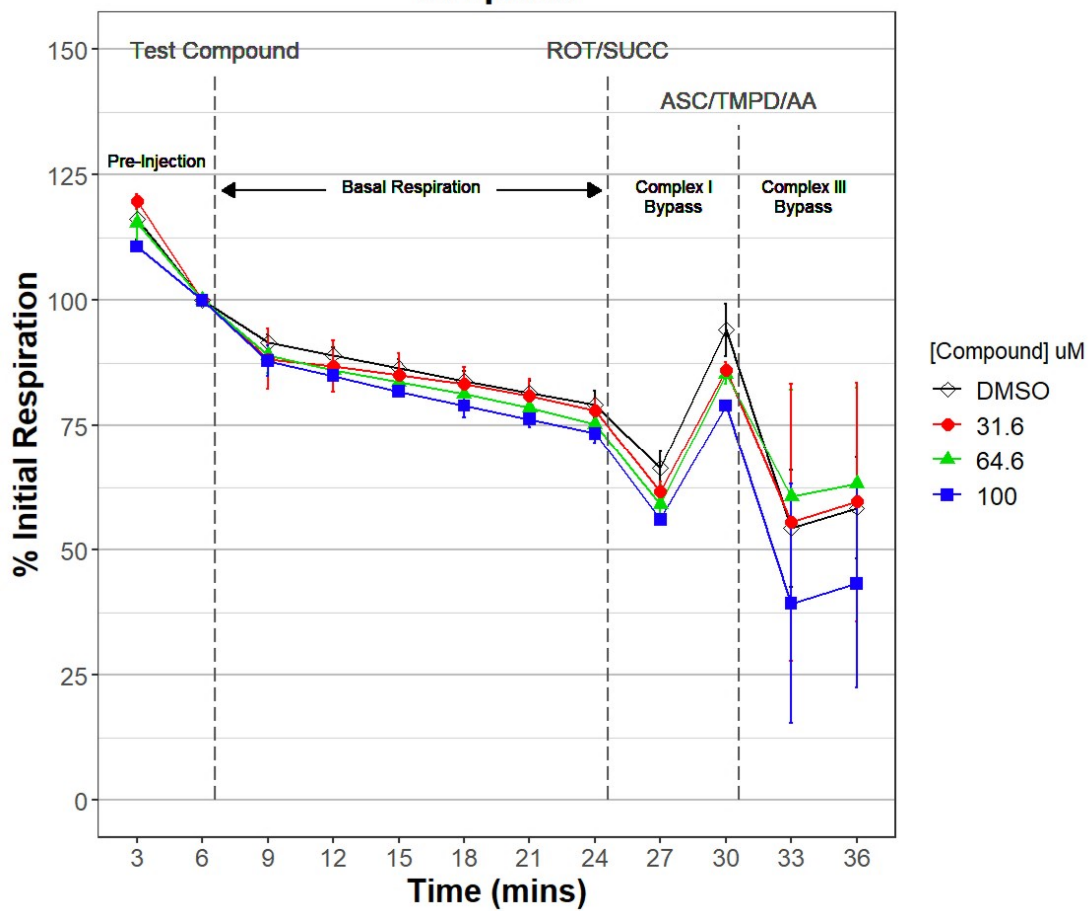
Prochloraz



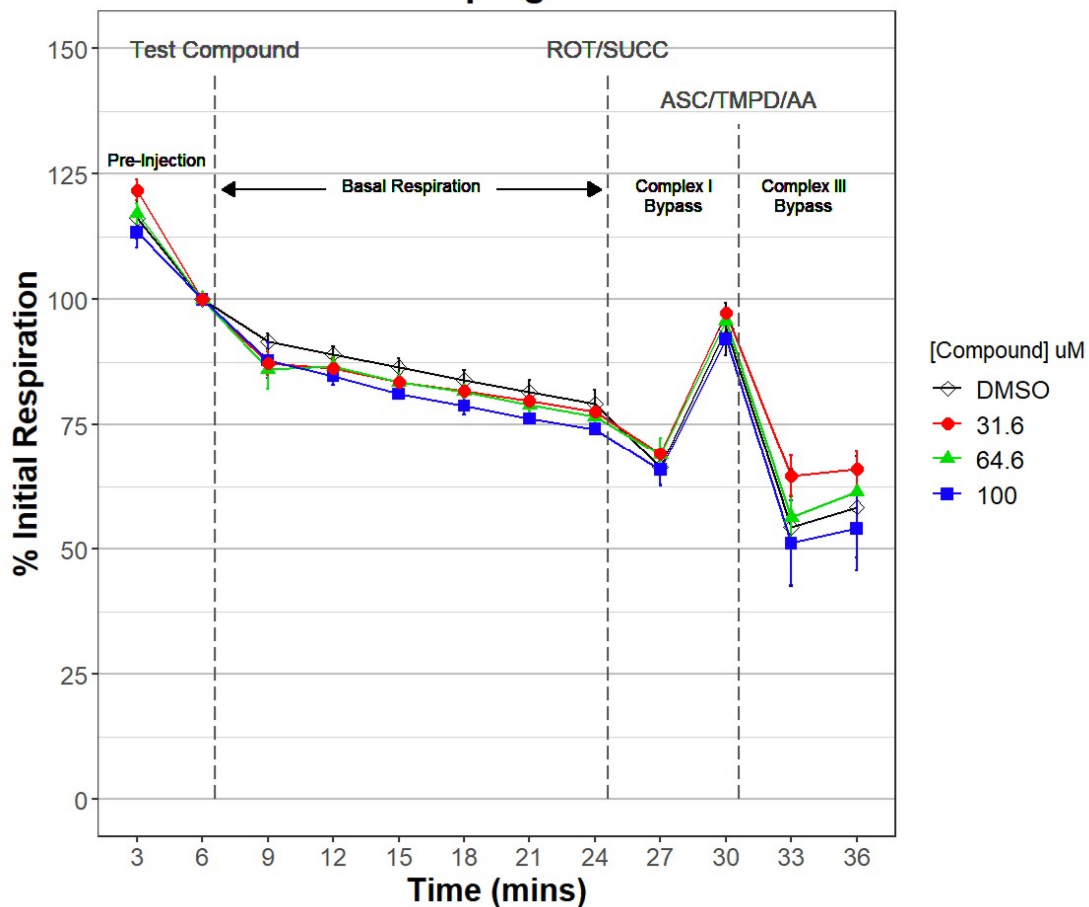
Progesterone



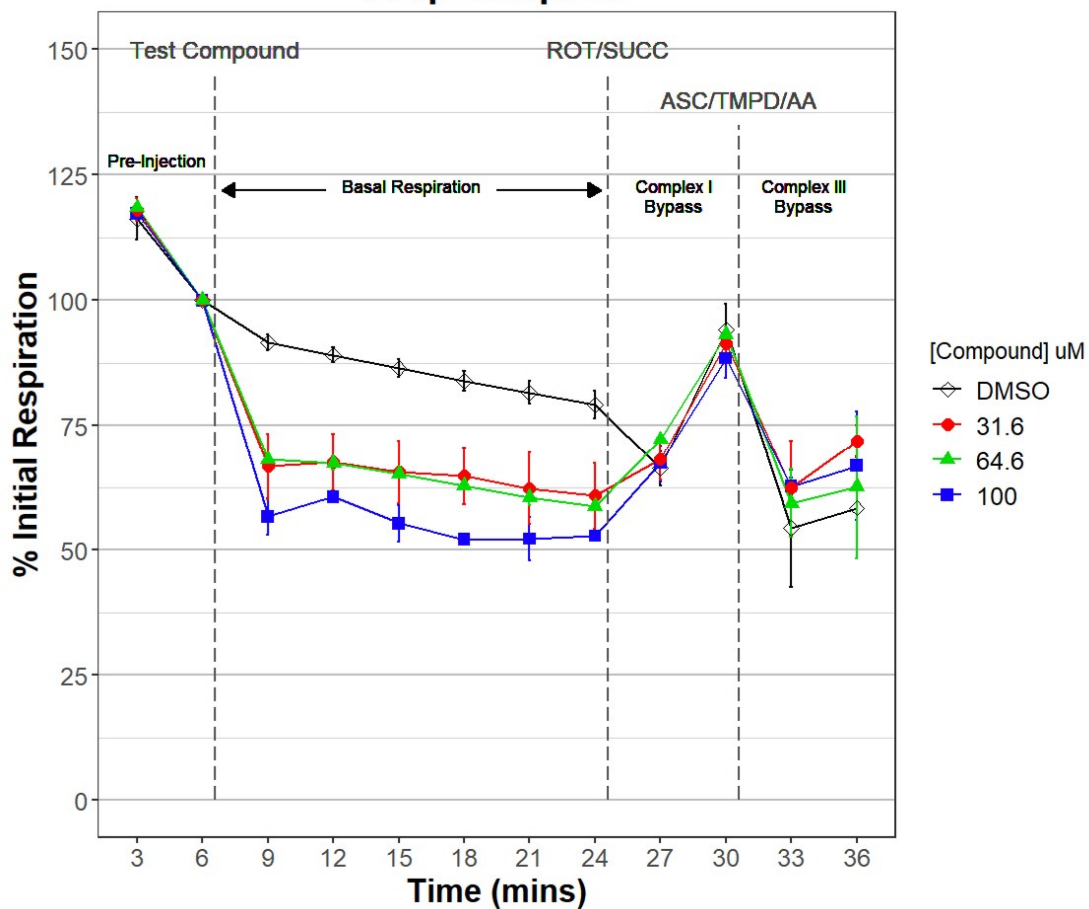
Propanil



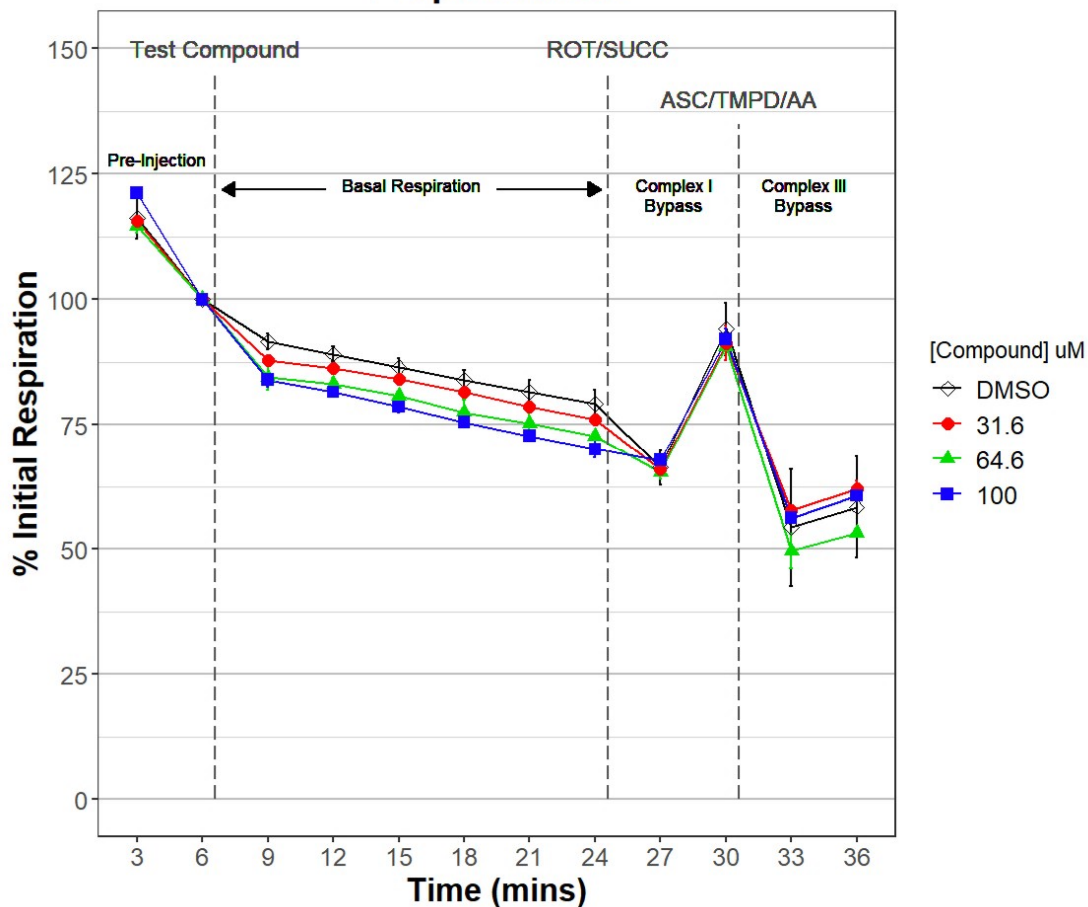
Propargite



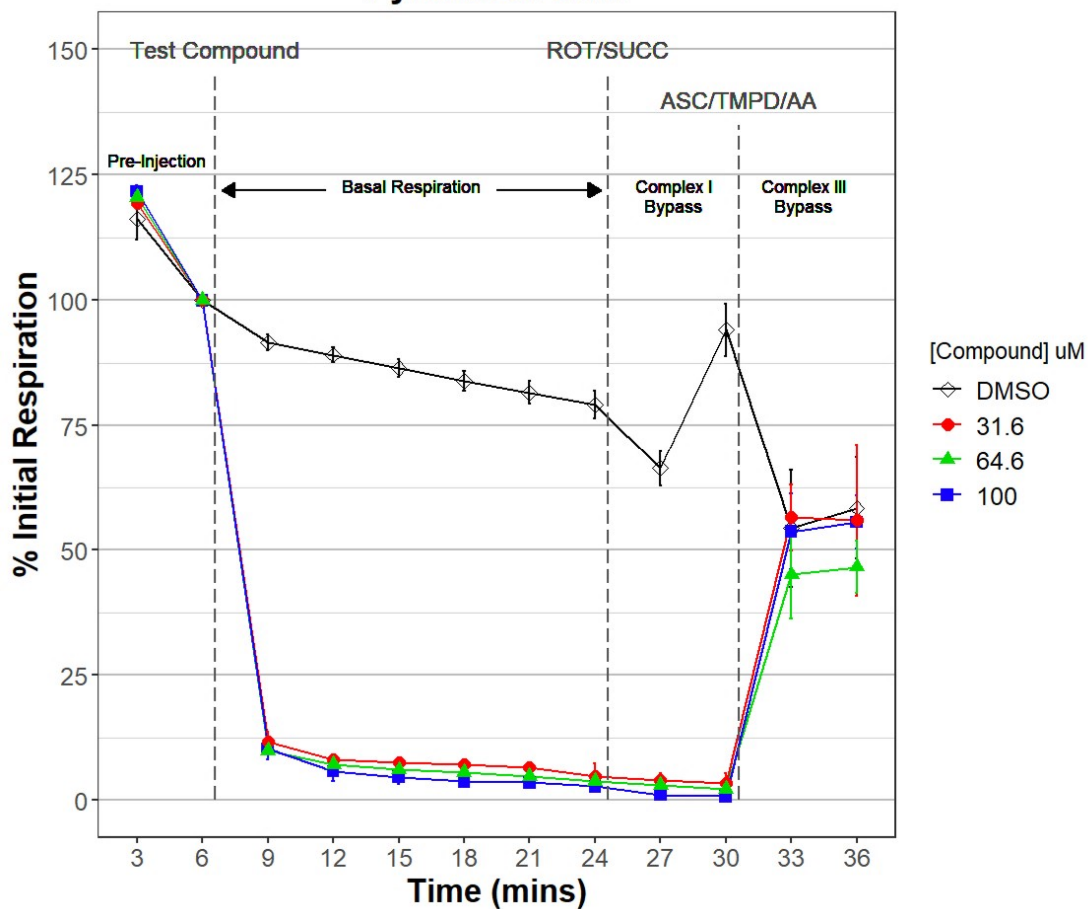
Propetamphos



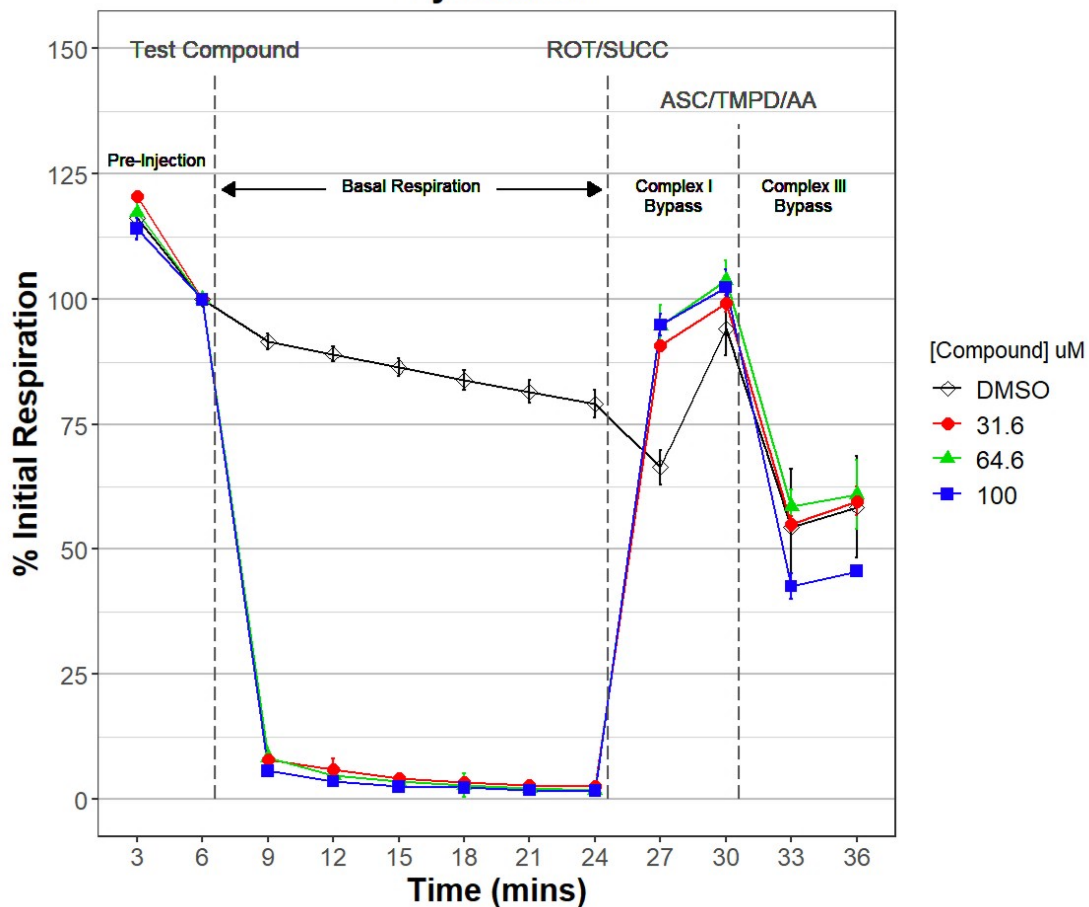
Propiconazole



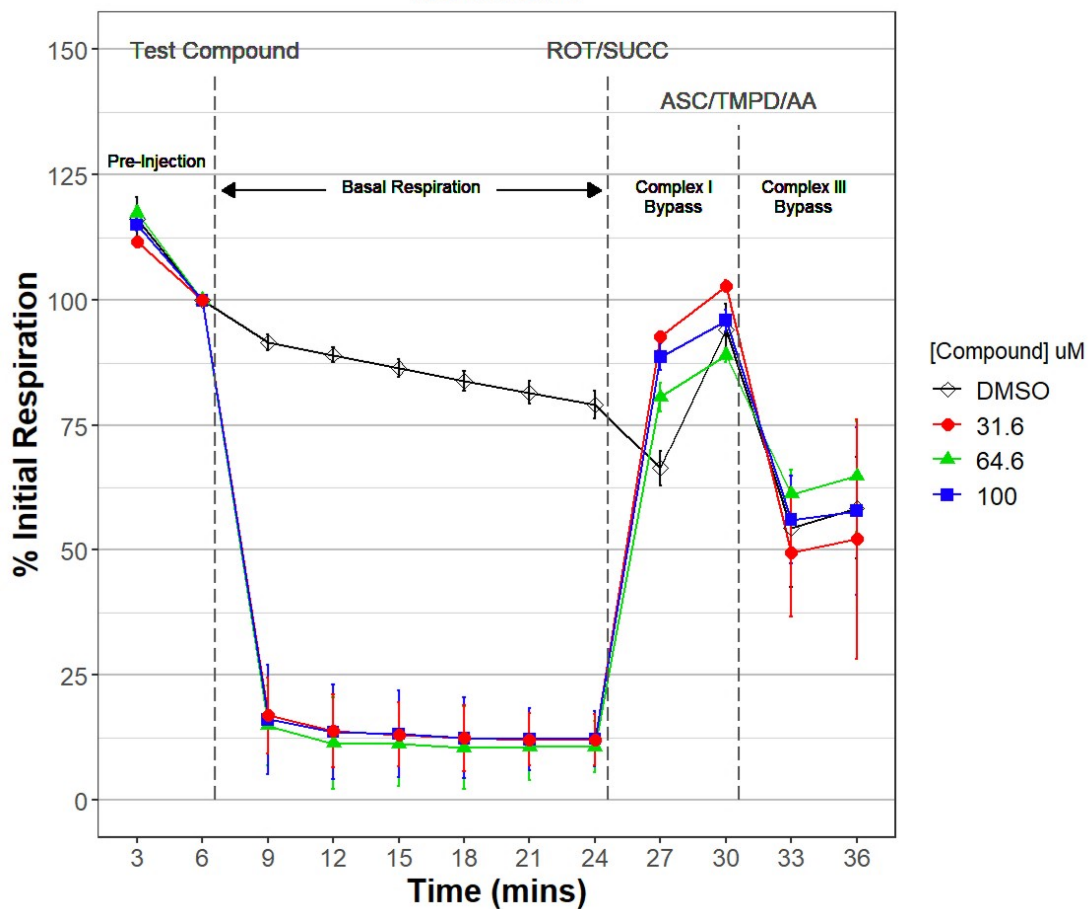
Pyraclostrobin



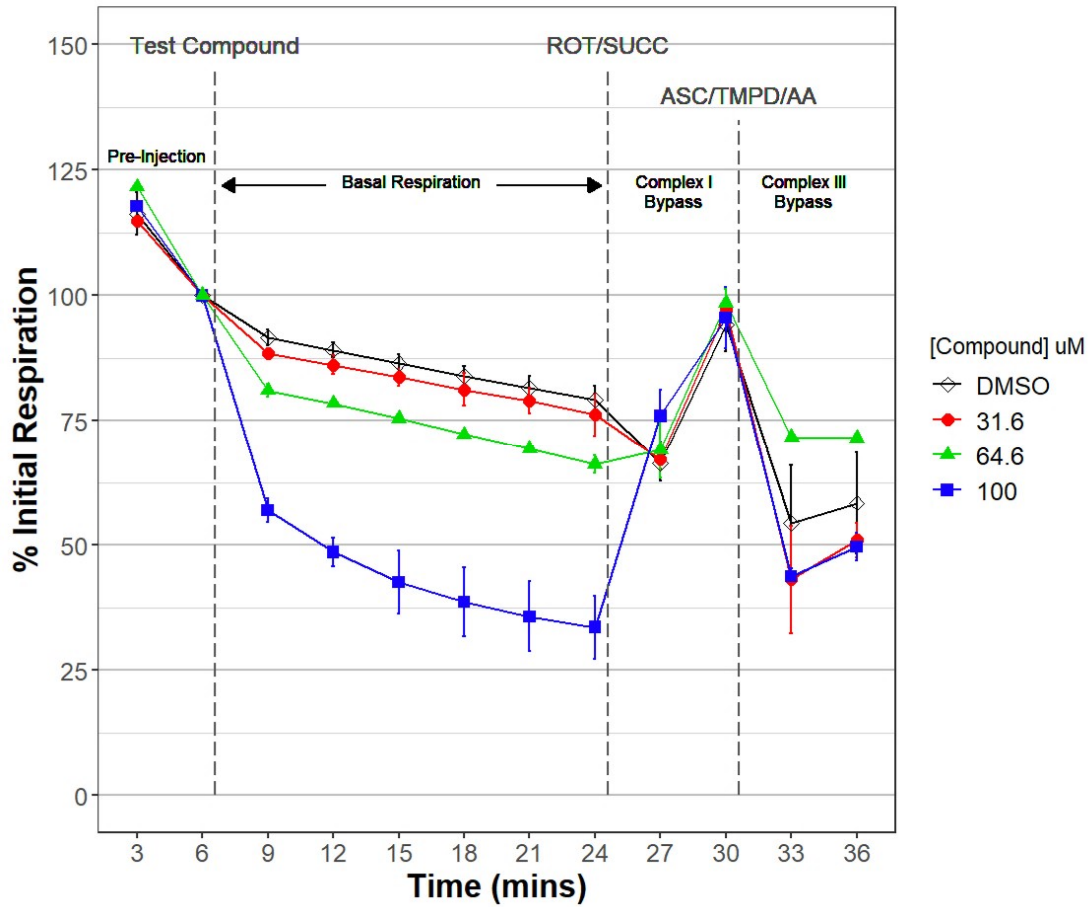
Pyridaben



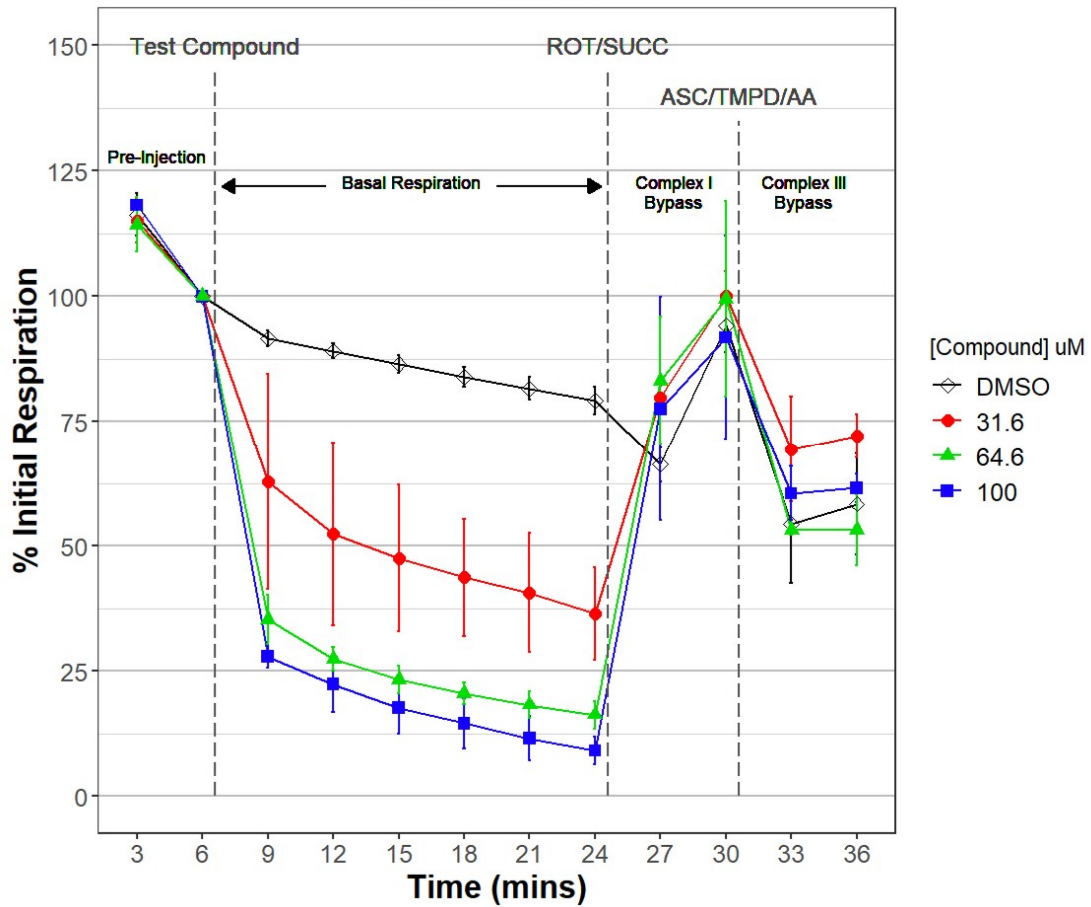
Rotenone



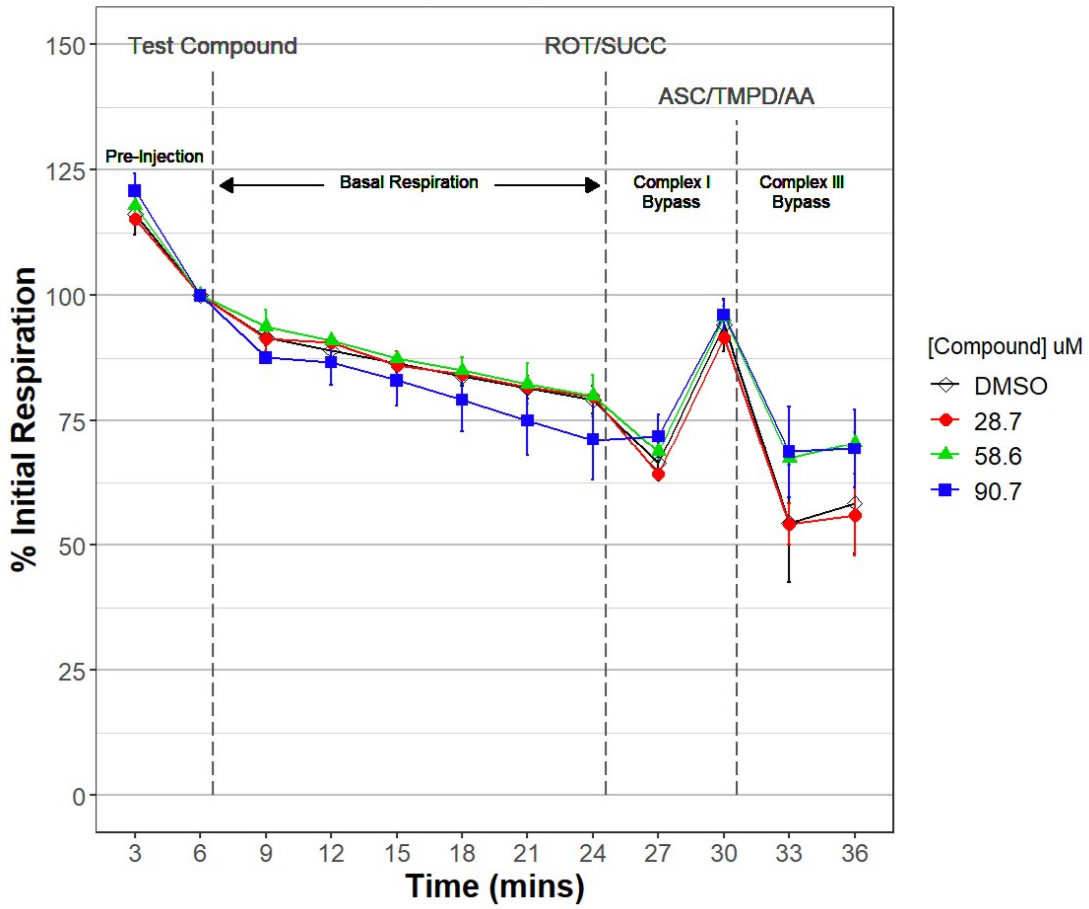
S-Bioallethrin



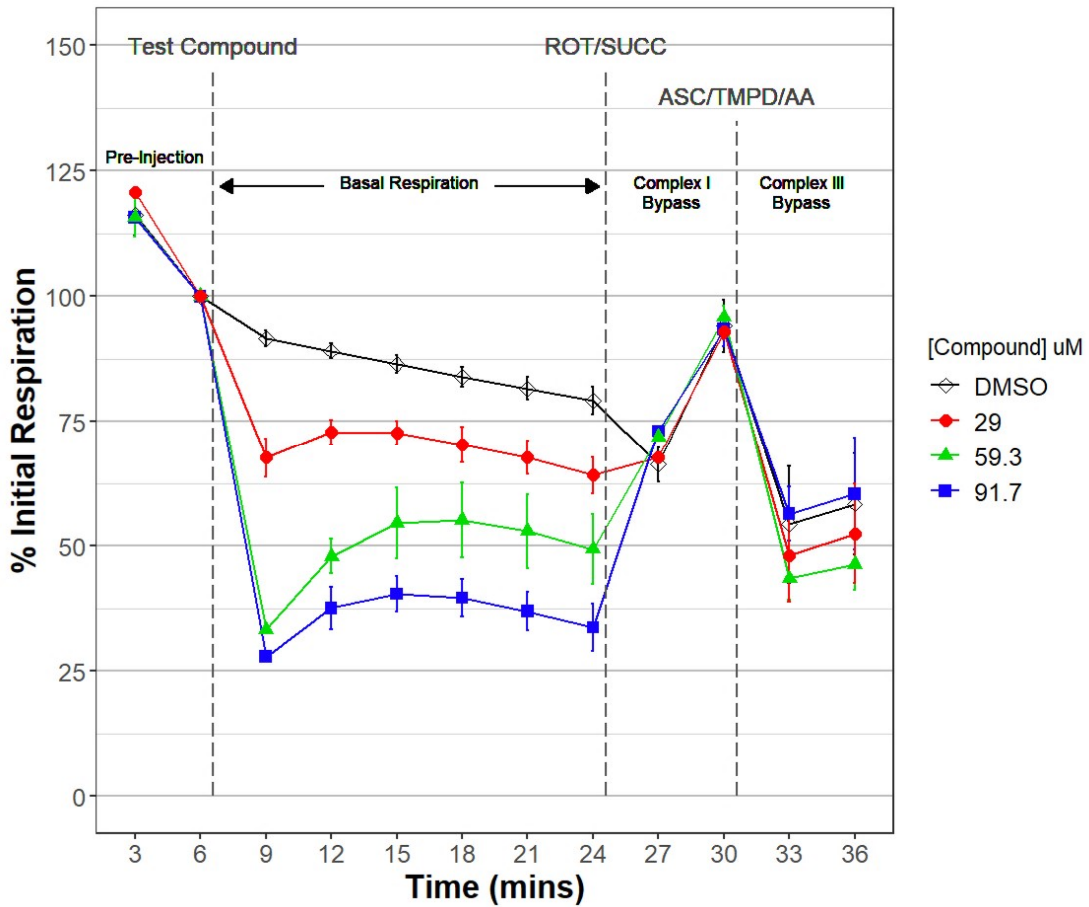
SAR 150640



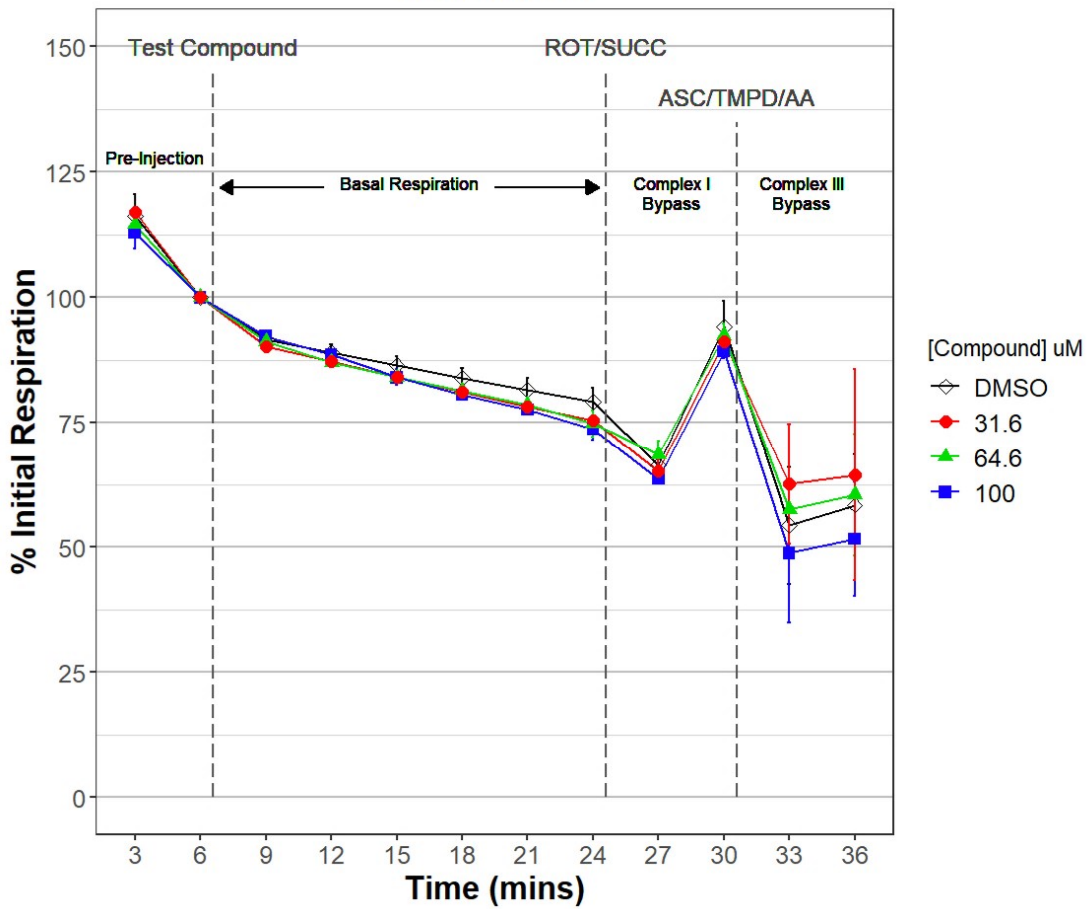
SR125047



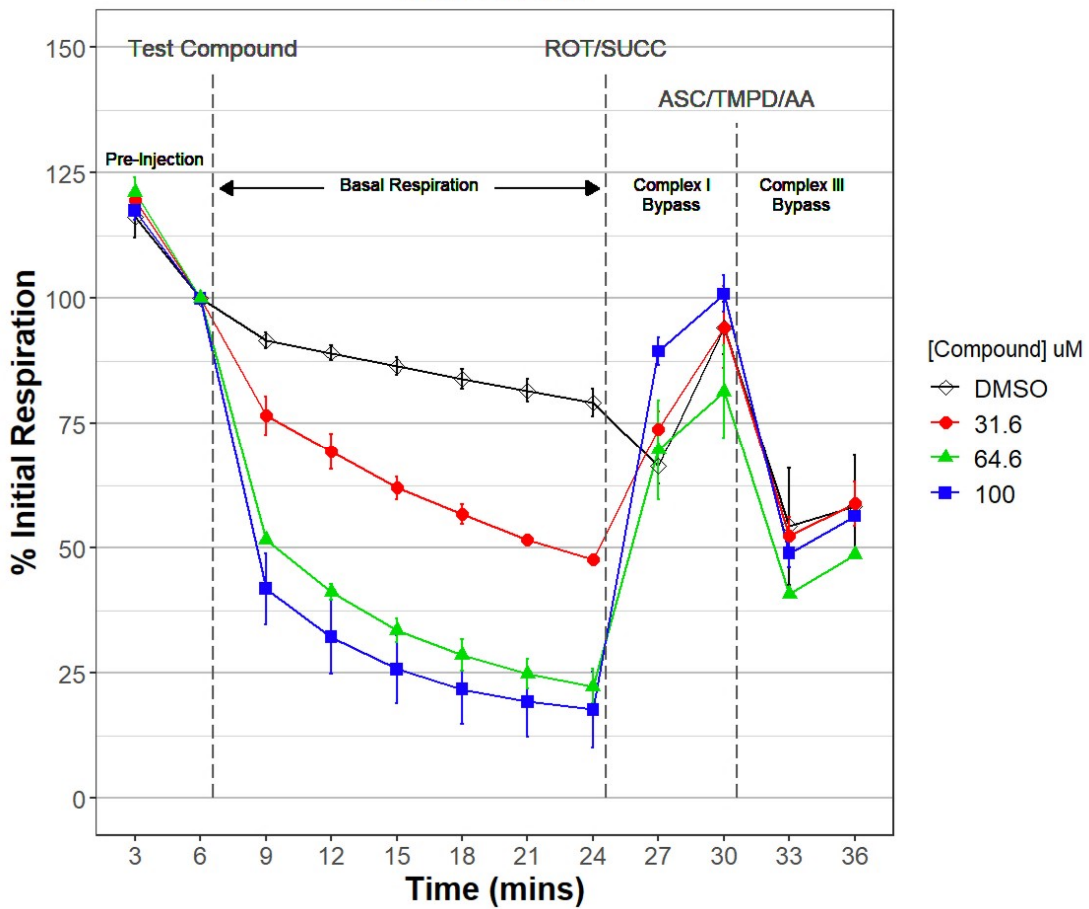
SR58611



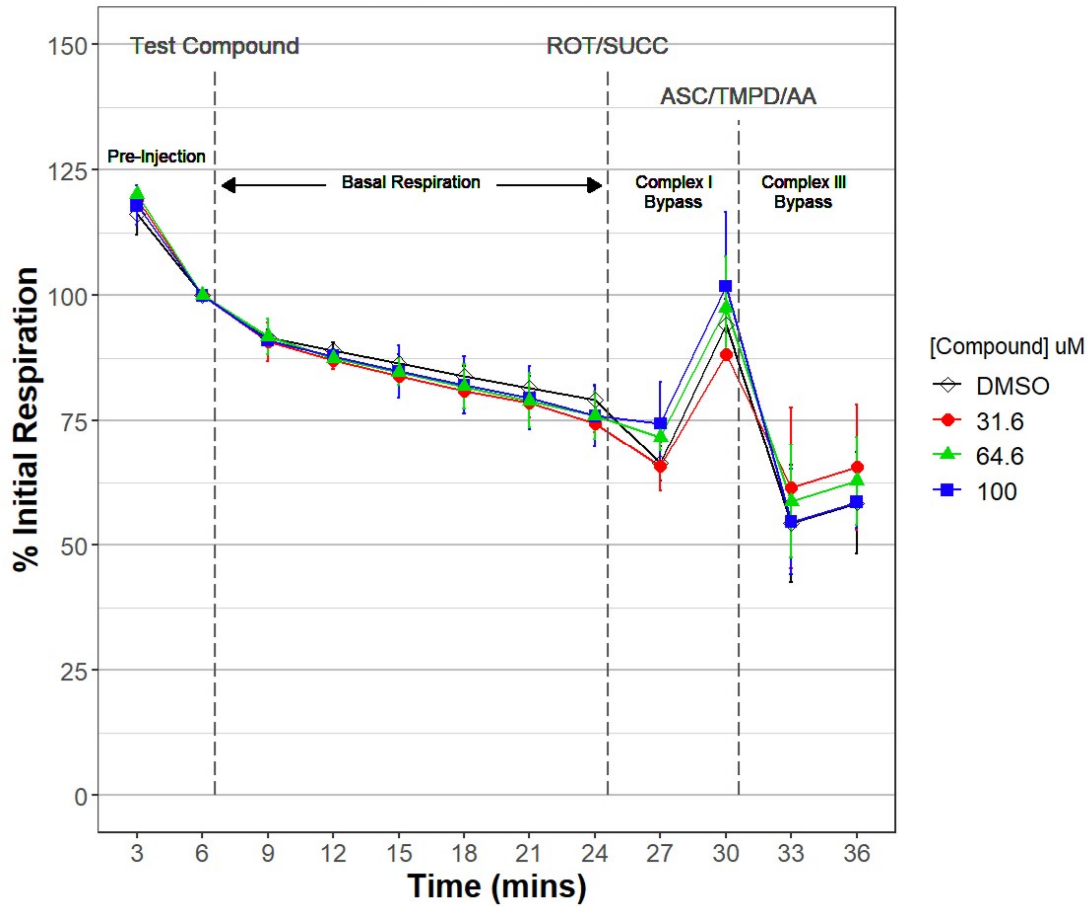
SSR126768



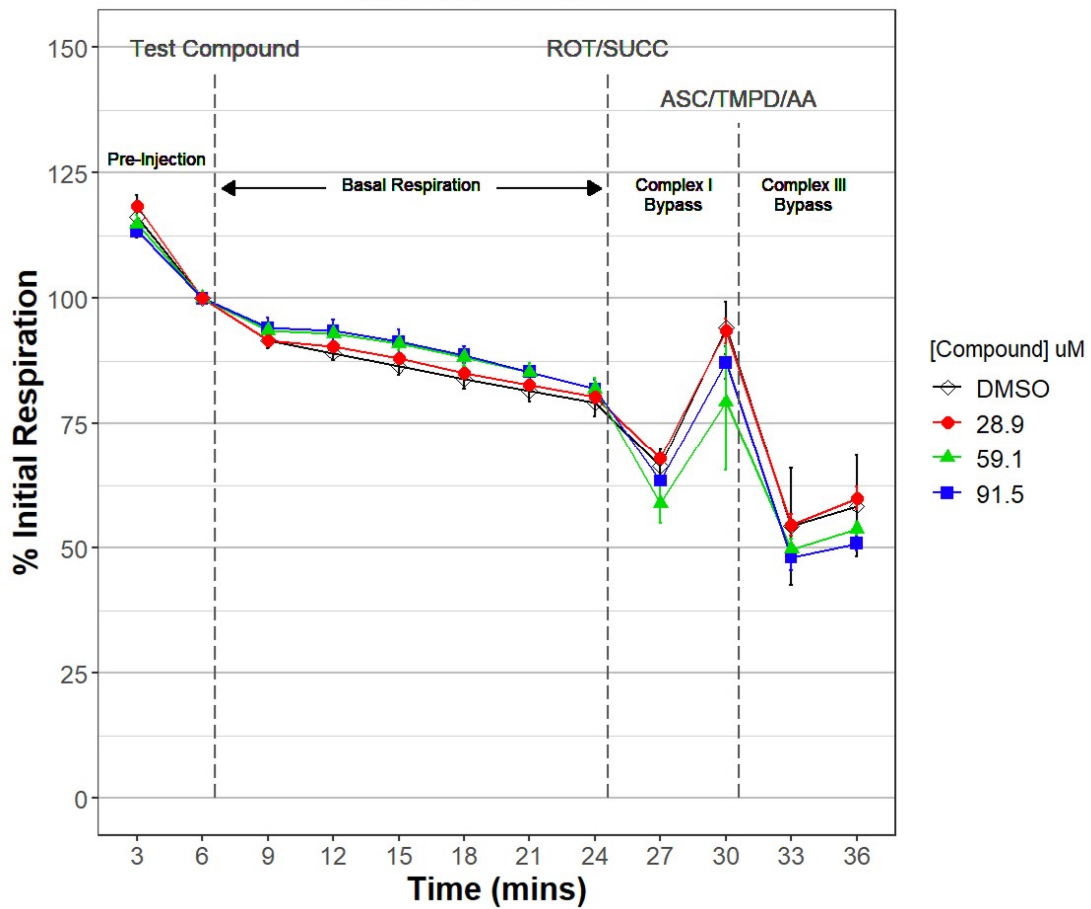
SSR150106



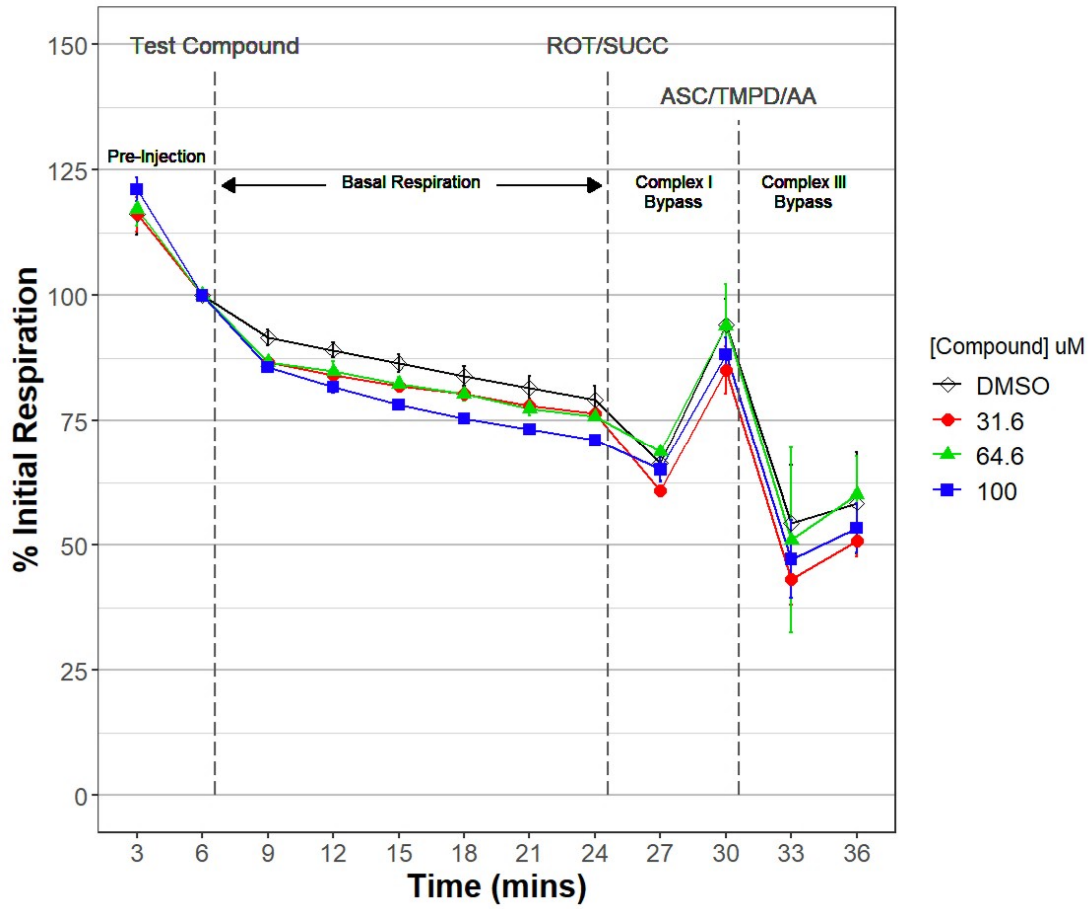
Sodium azide



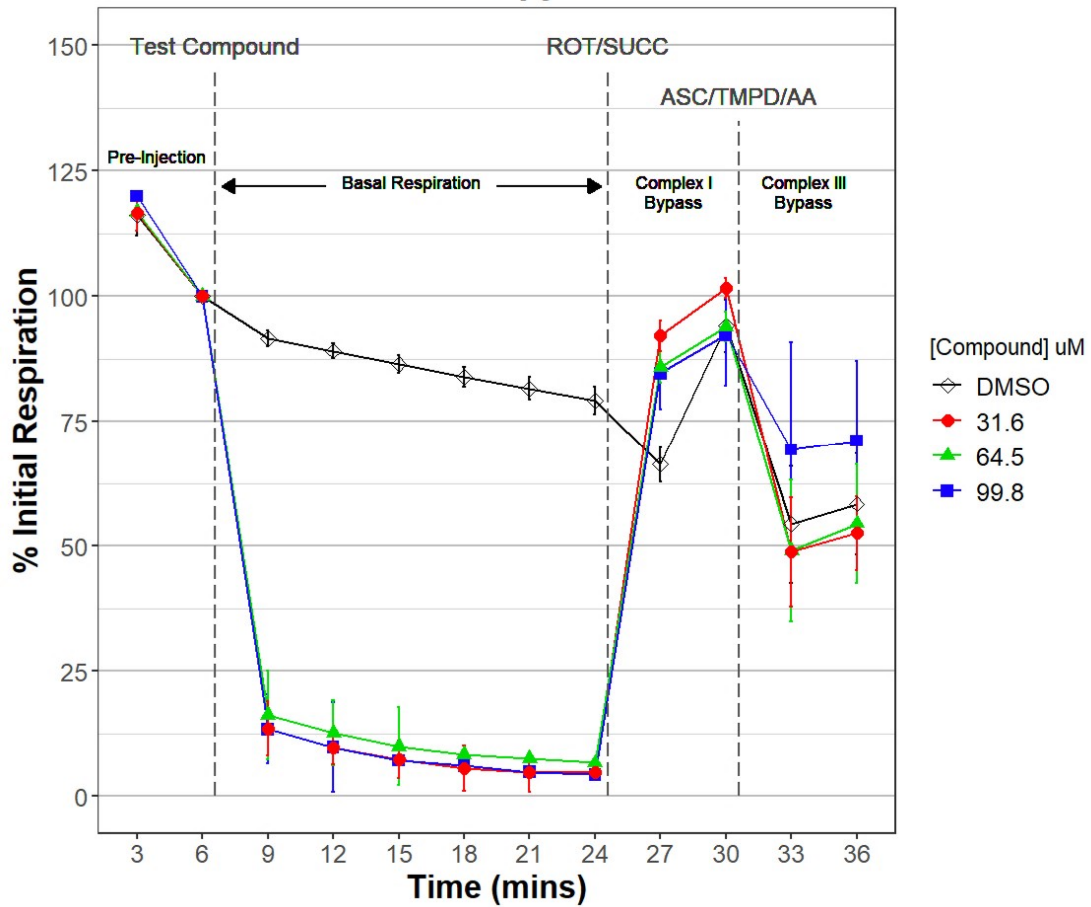
Tamoxifen citrate



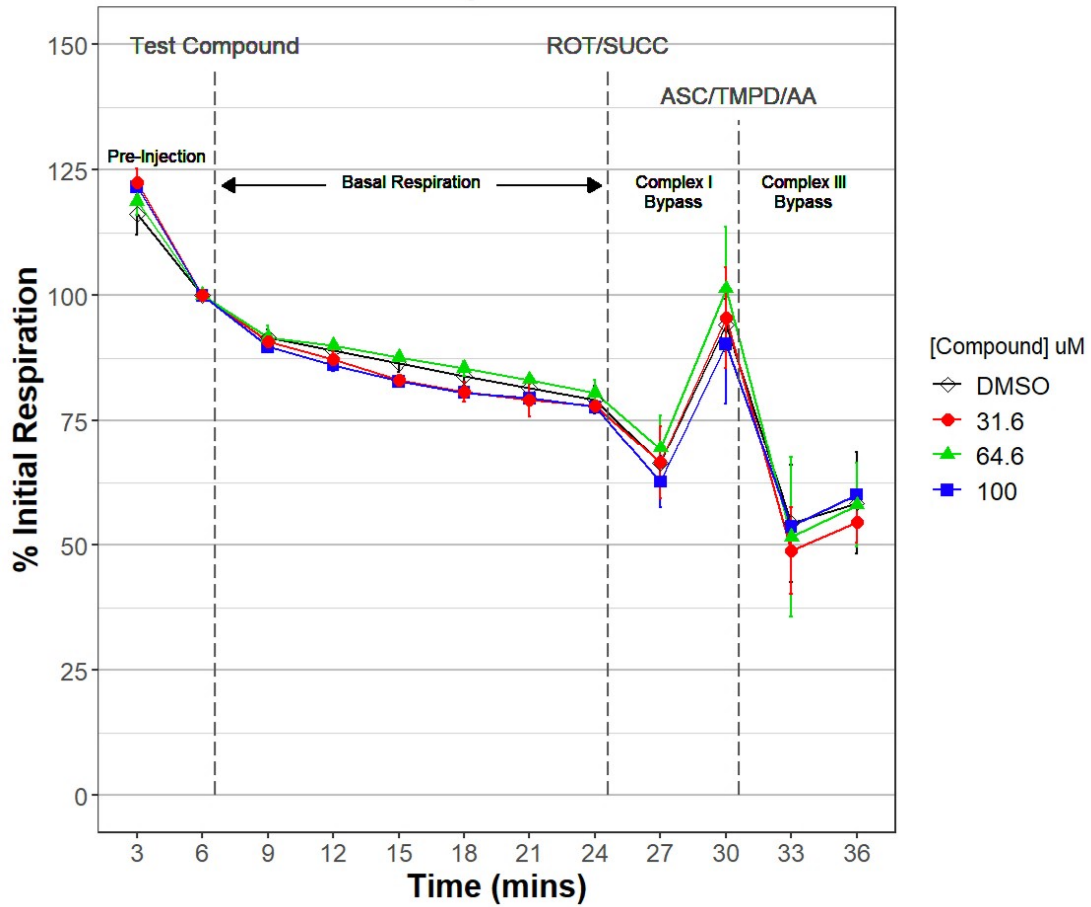
Tebuconazole



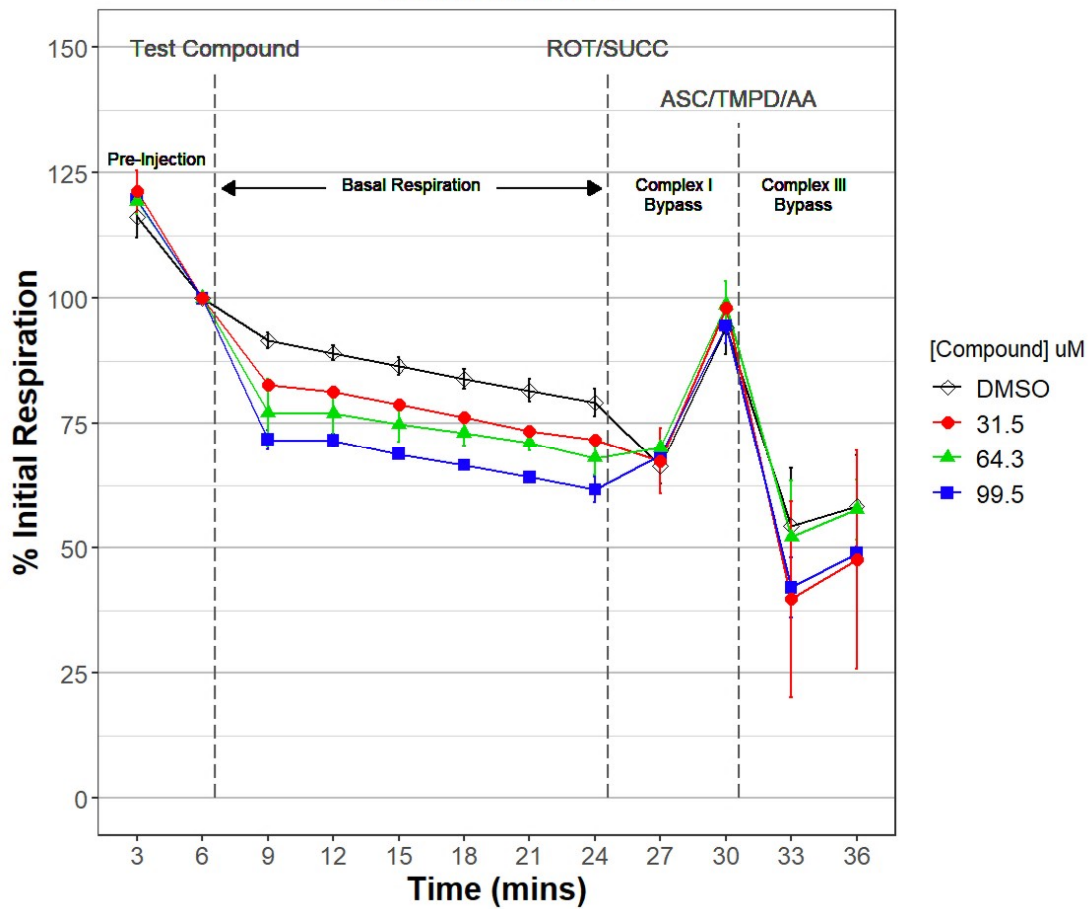
Tebufenpyrad



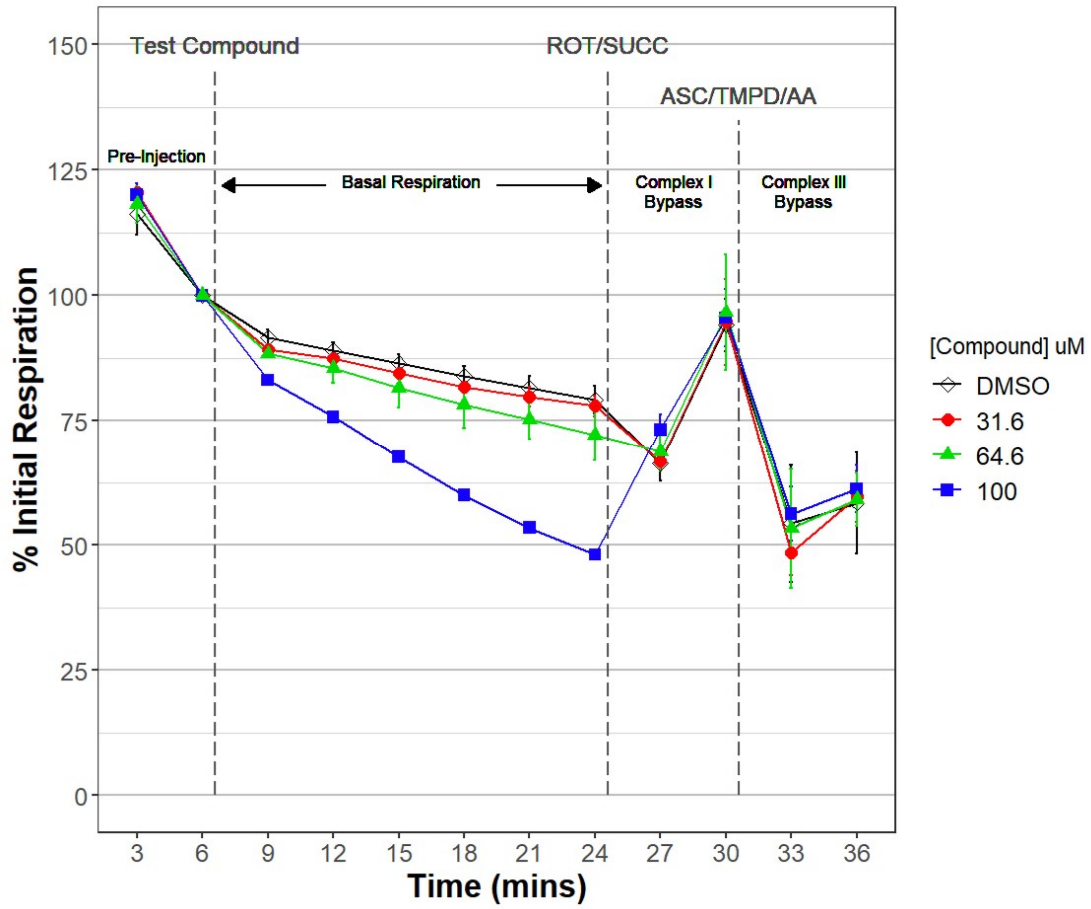
Tebupirimfos



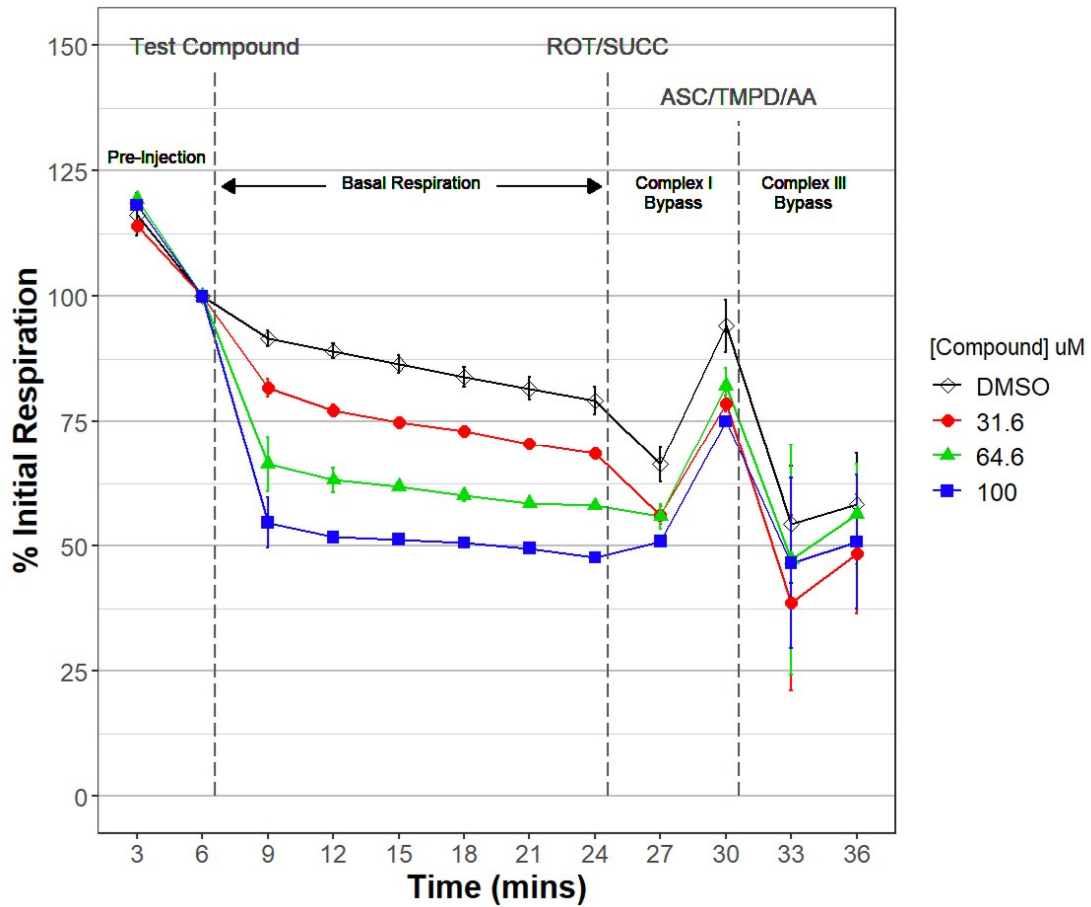
Tetraconazole



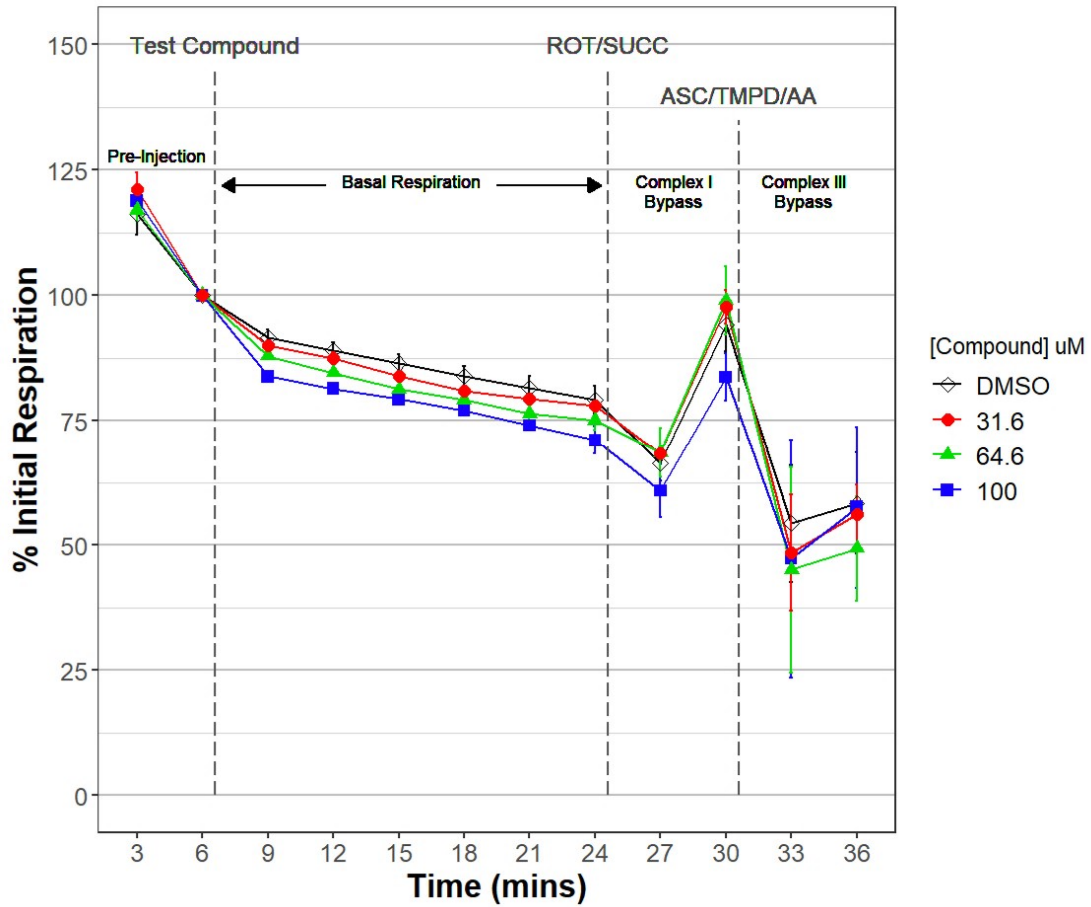
Tetramethrin



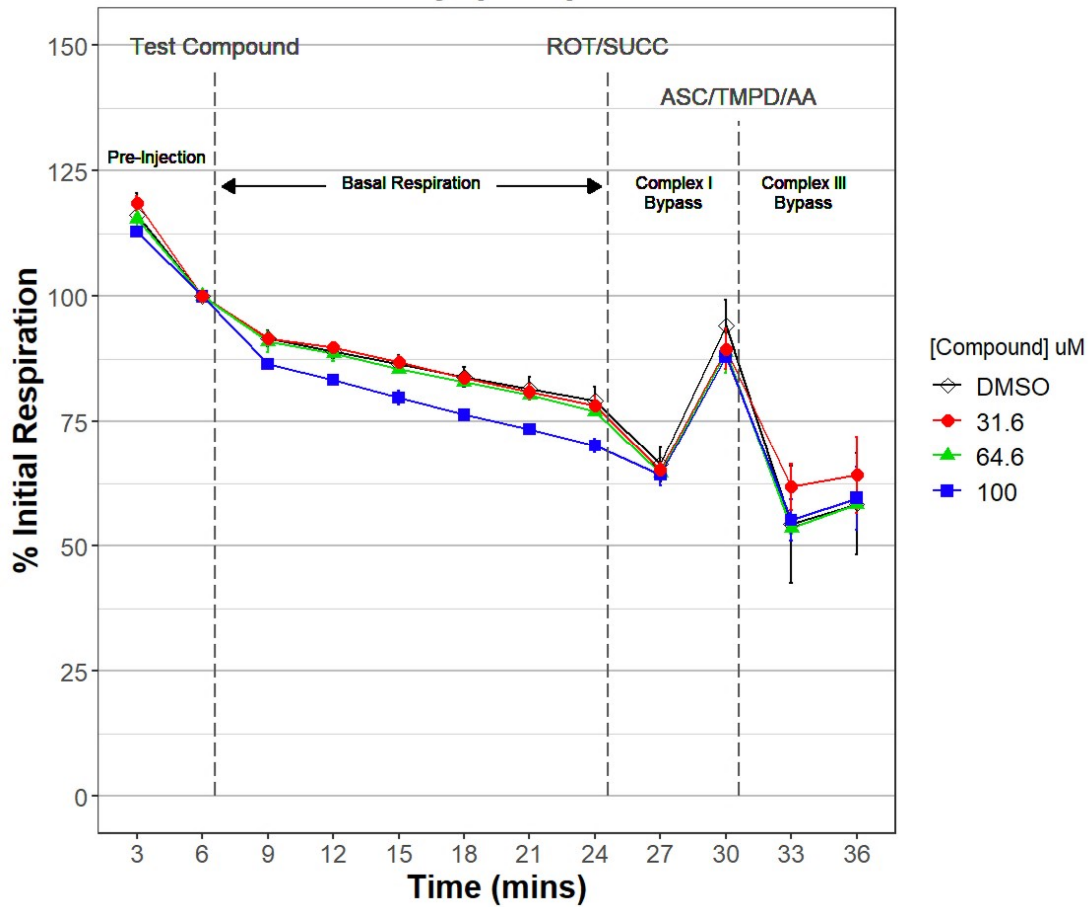
Tiratricol



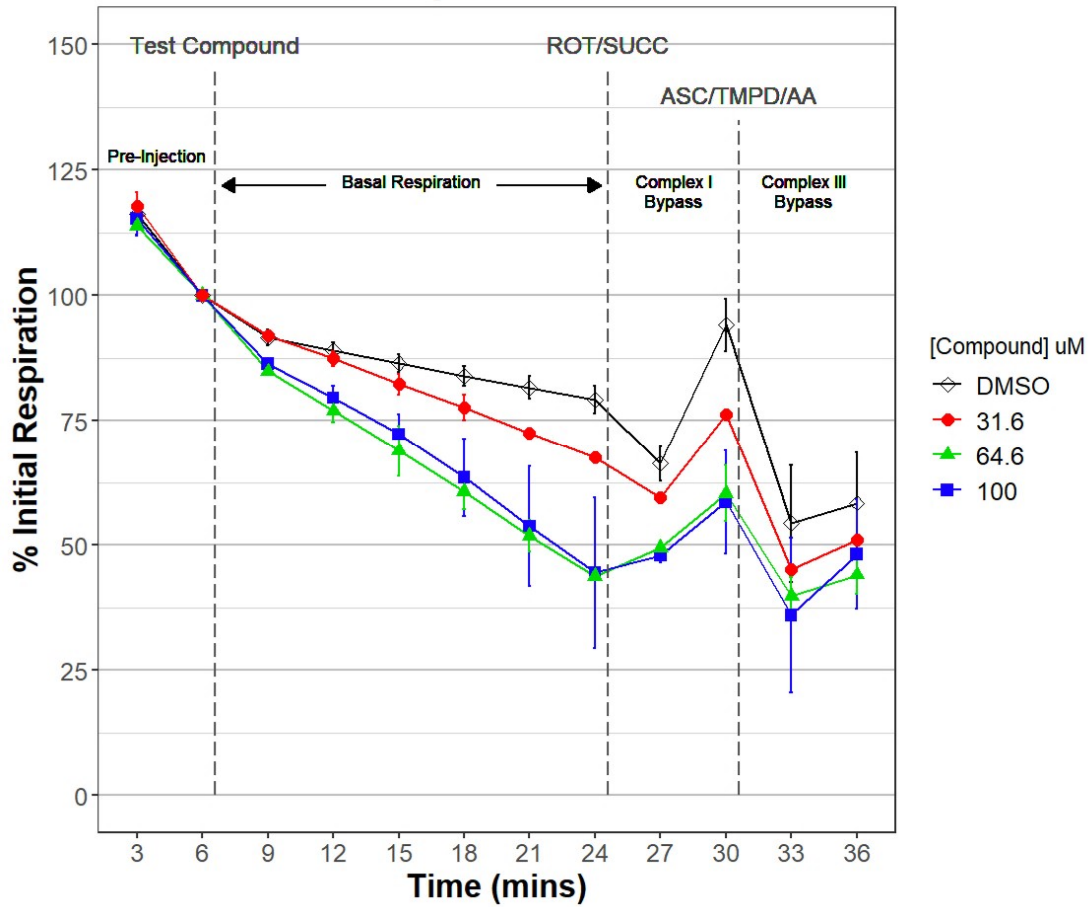
Triadimefon



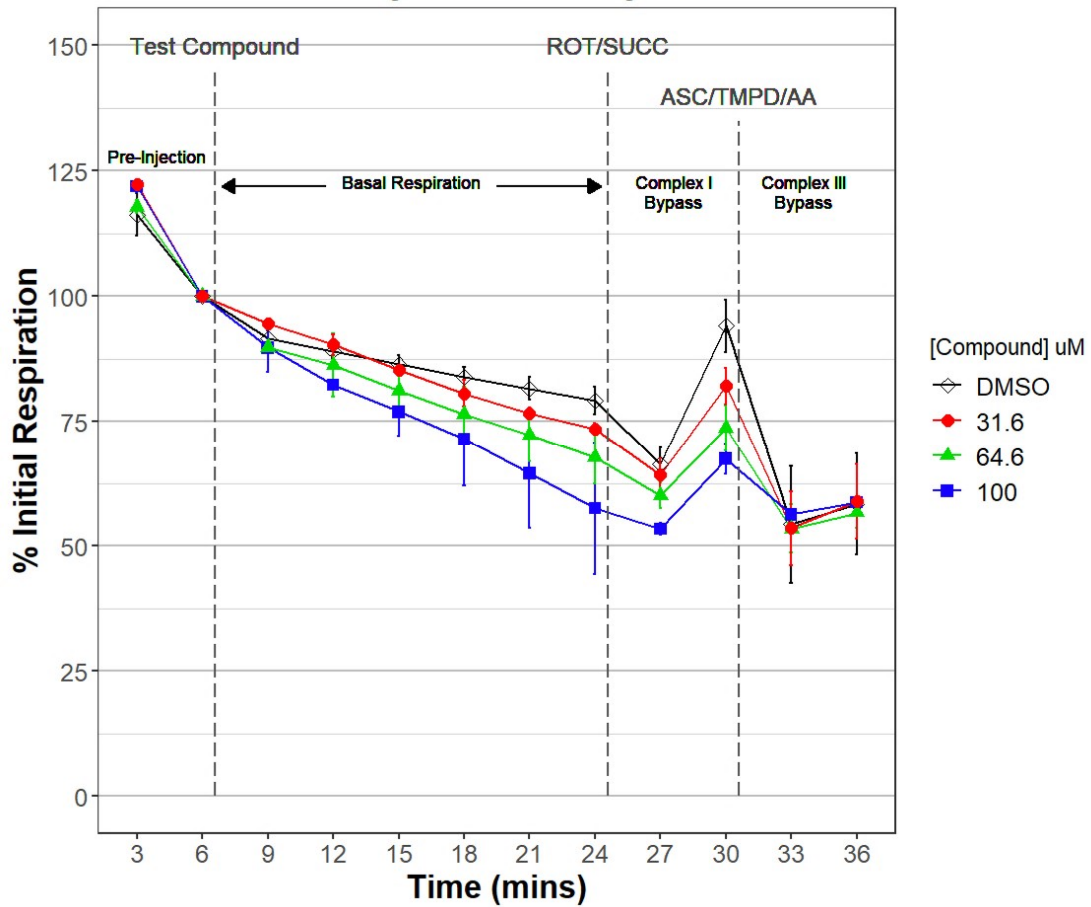
Tributyl phosphate



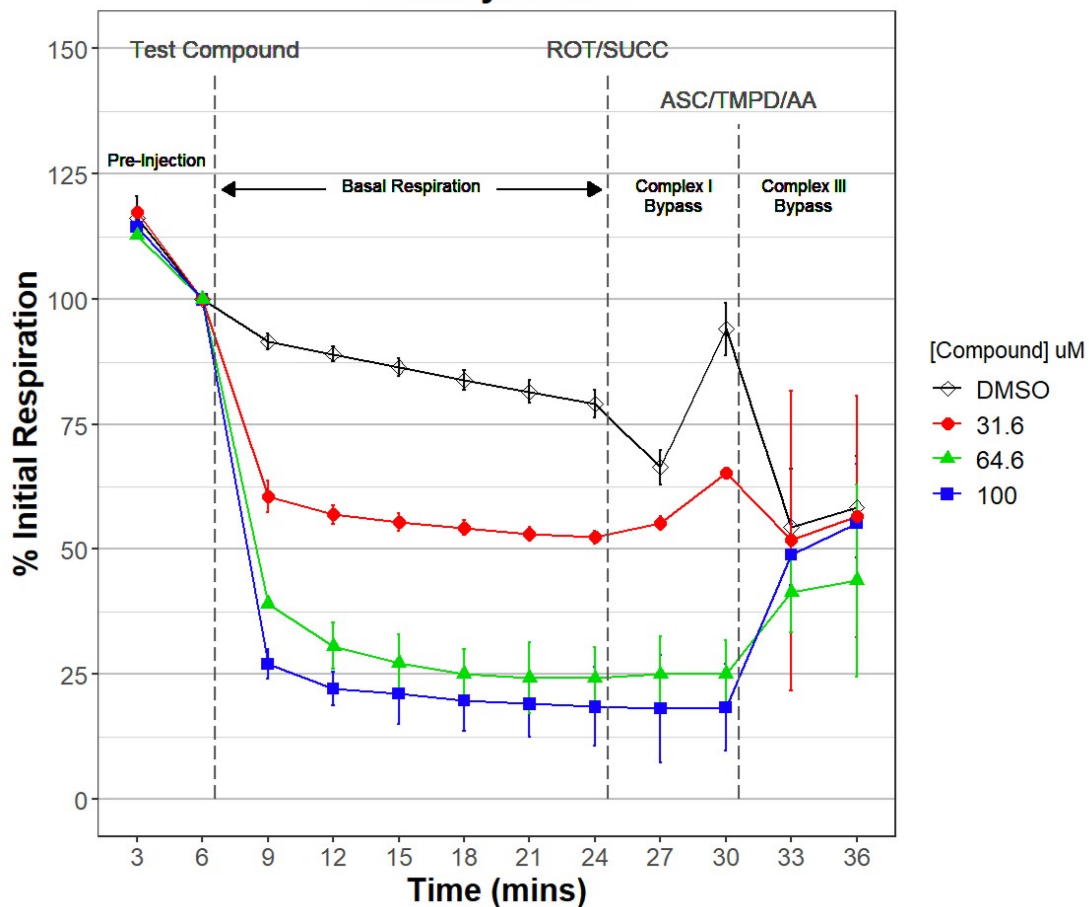
Tributyltin chloride



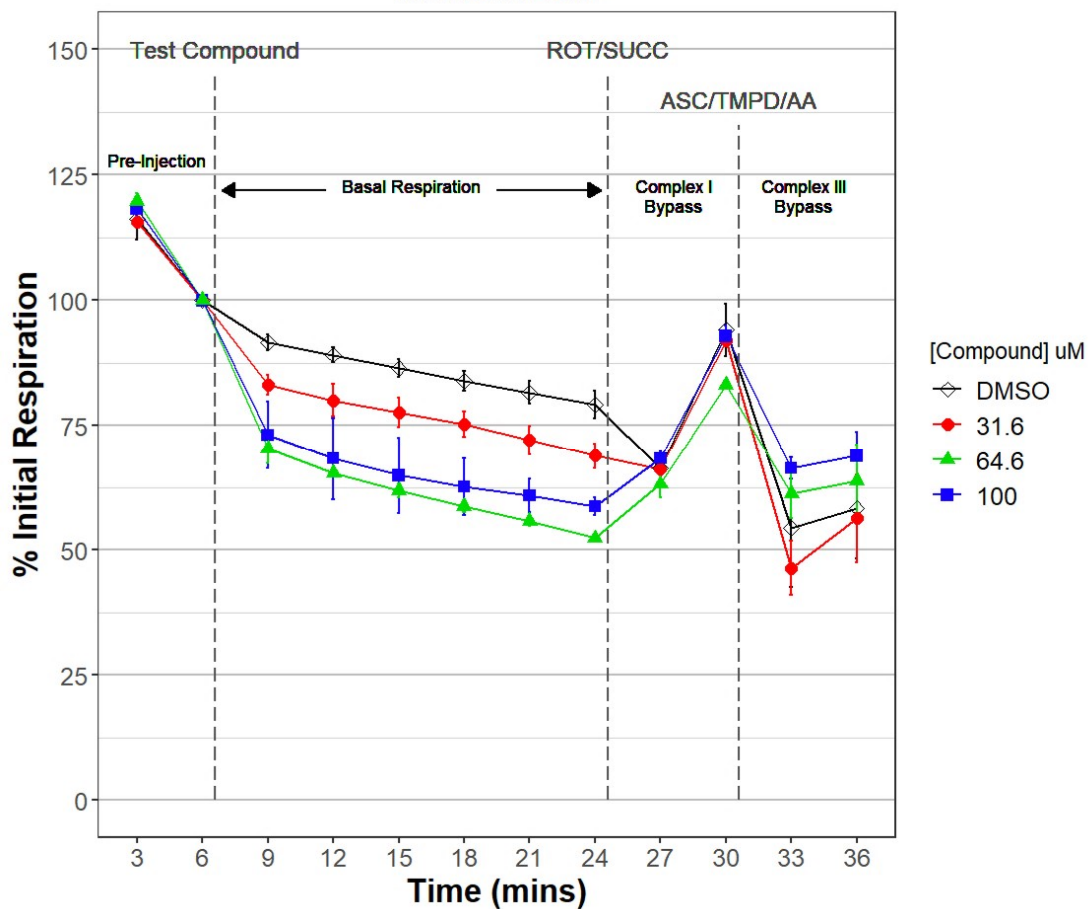
Tributyltin methacrylate



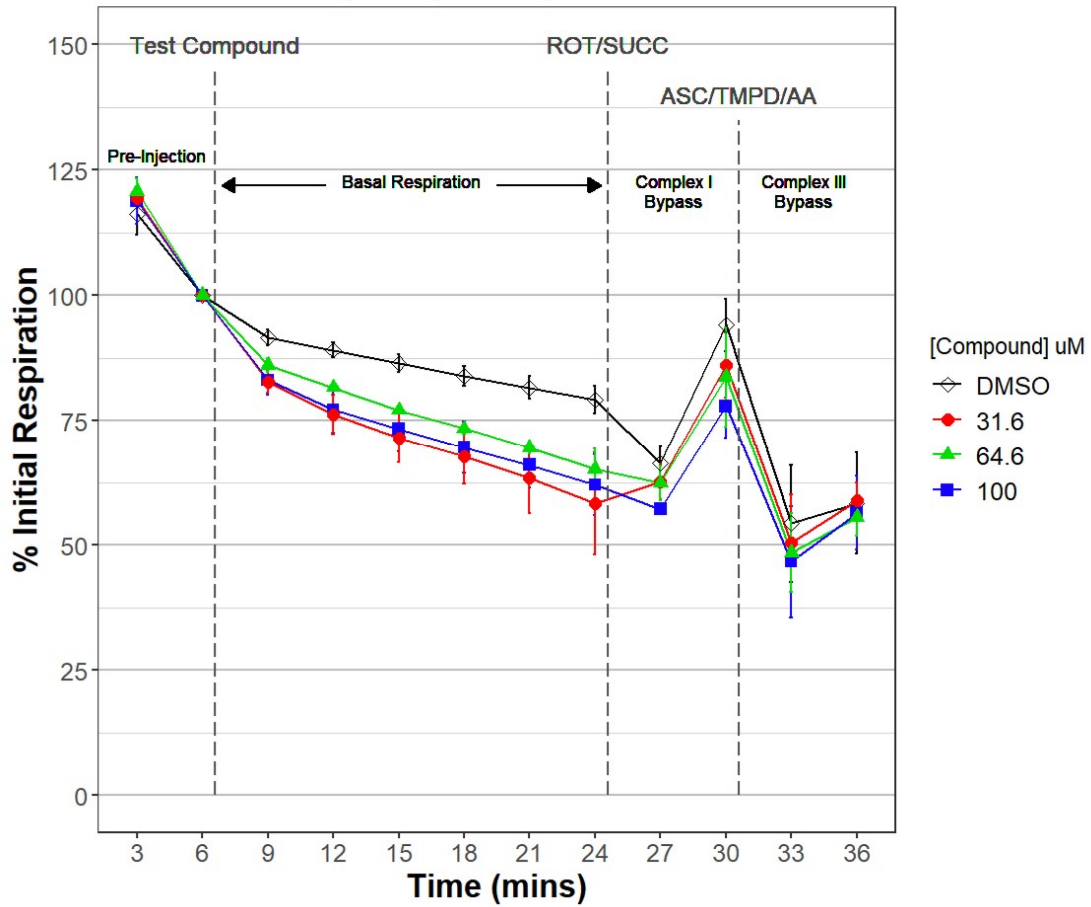
Trifloxystrobin



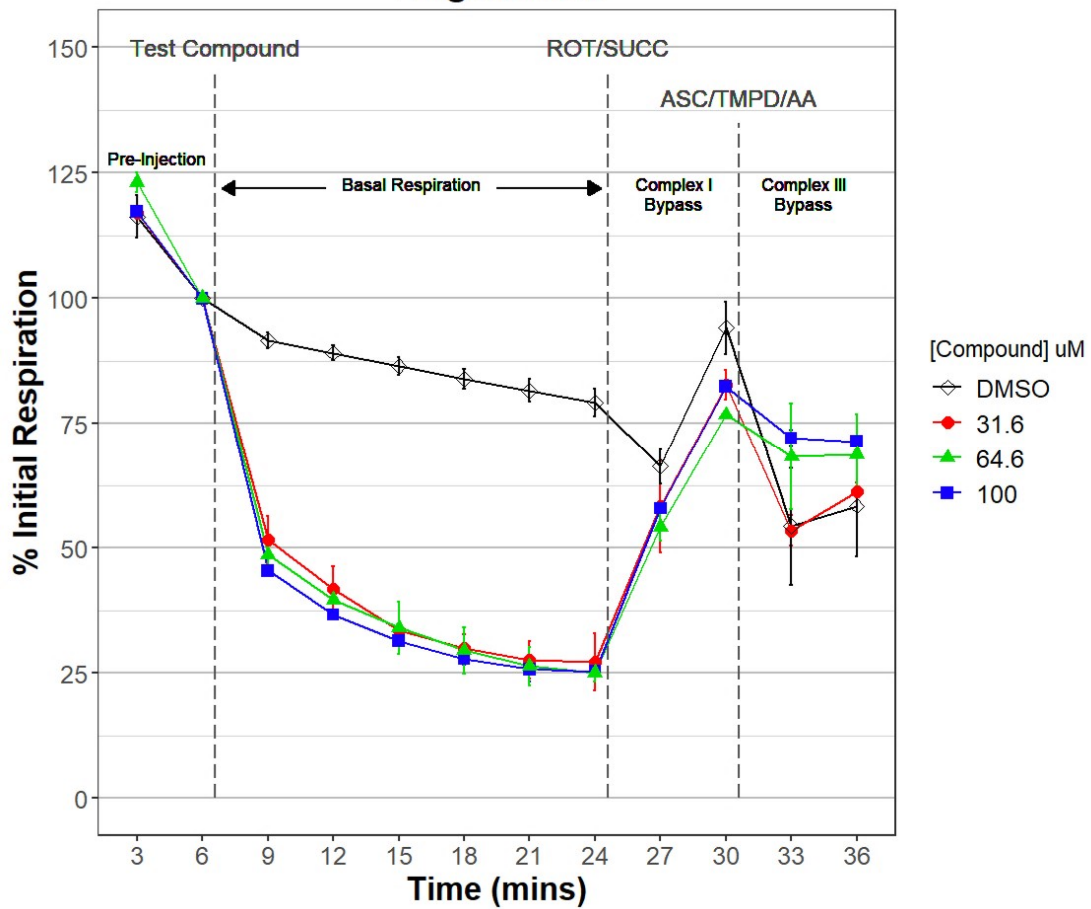
Triflumizole



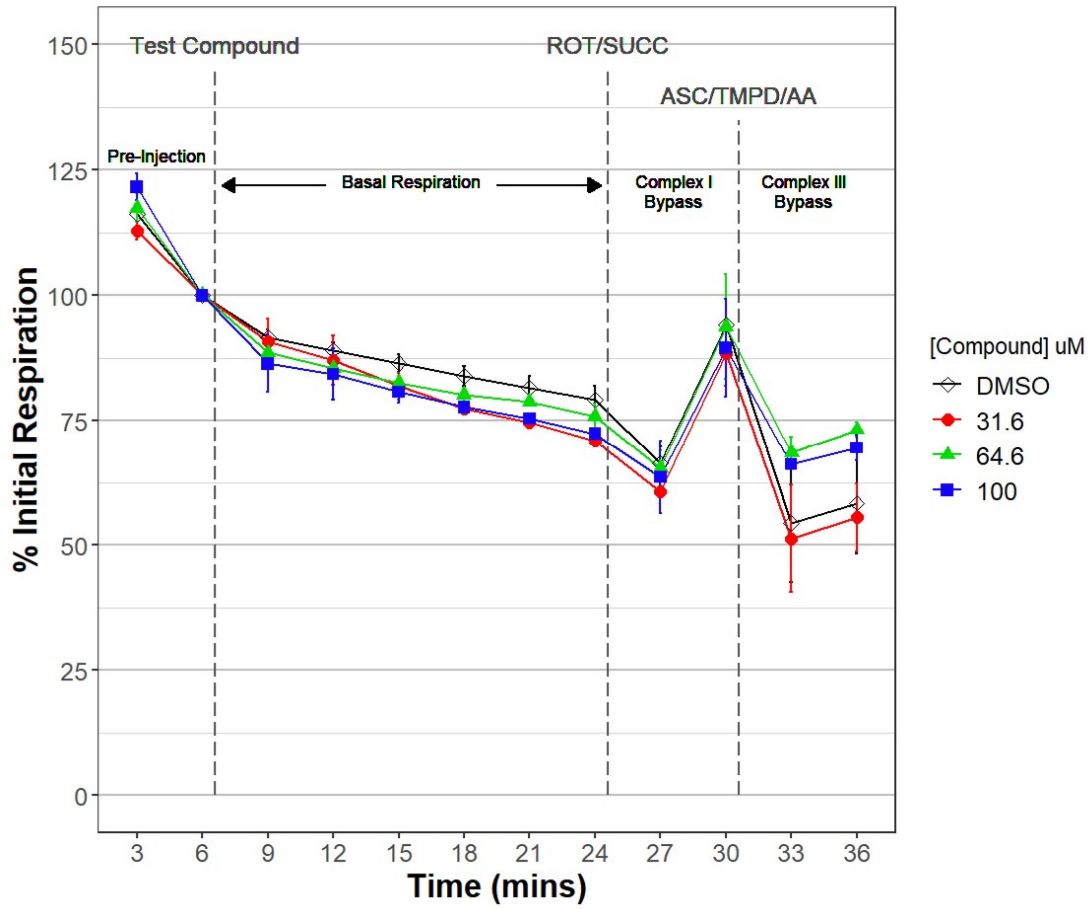
Triphenyltin hydroxide



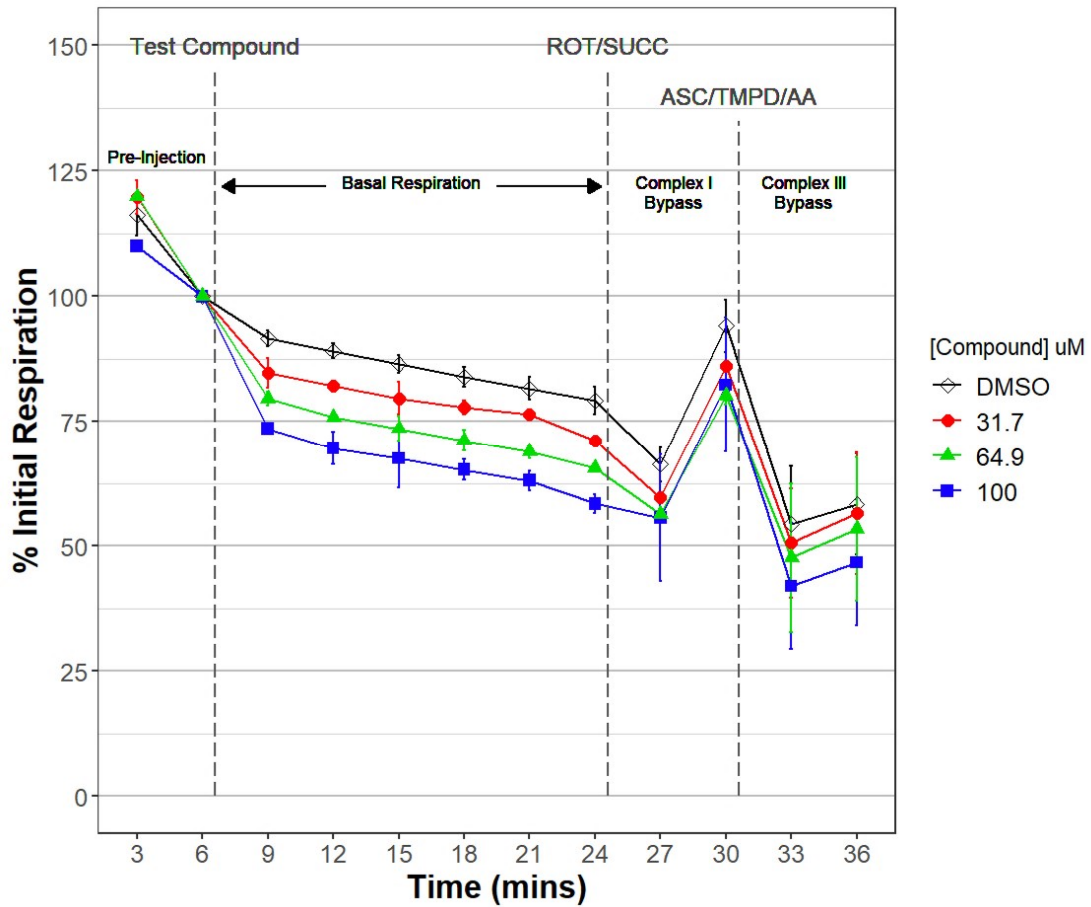
Troglitazone



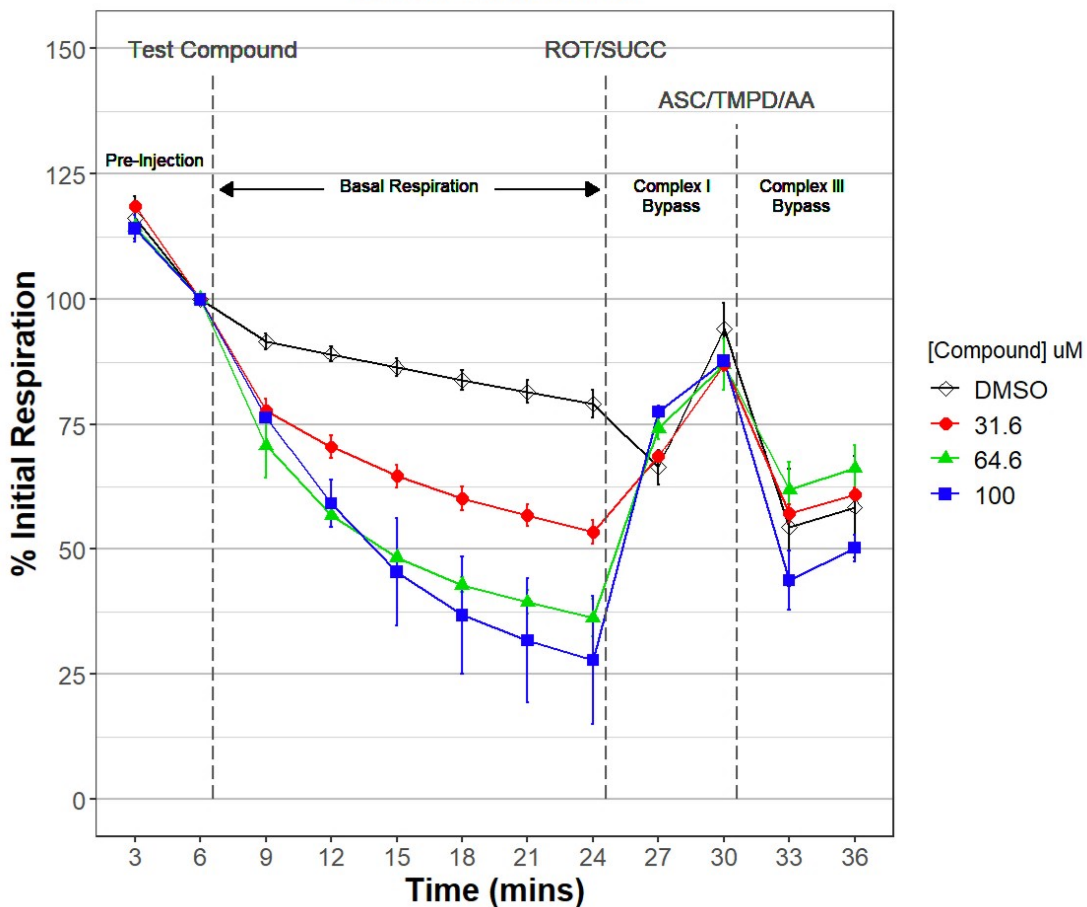
Ziram



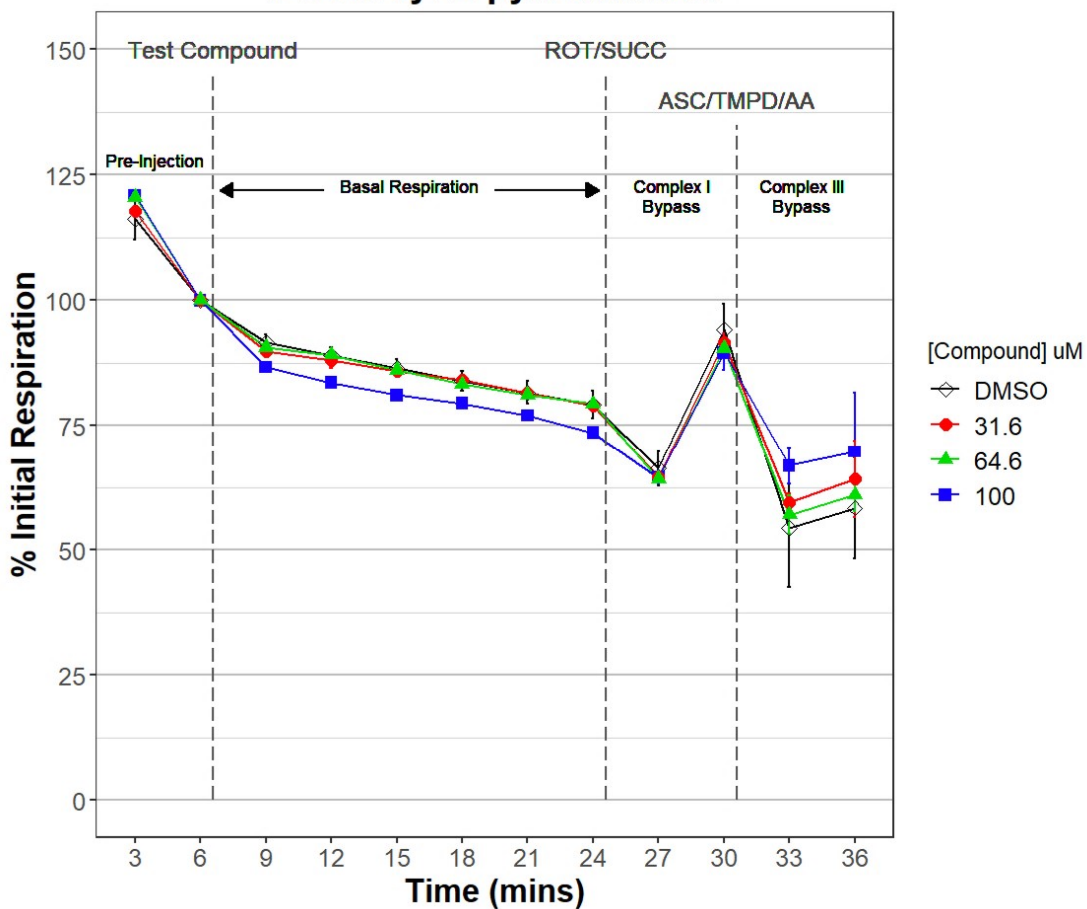
Zoxamide



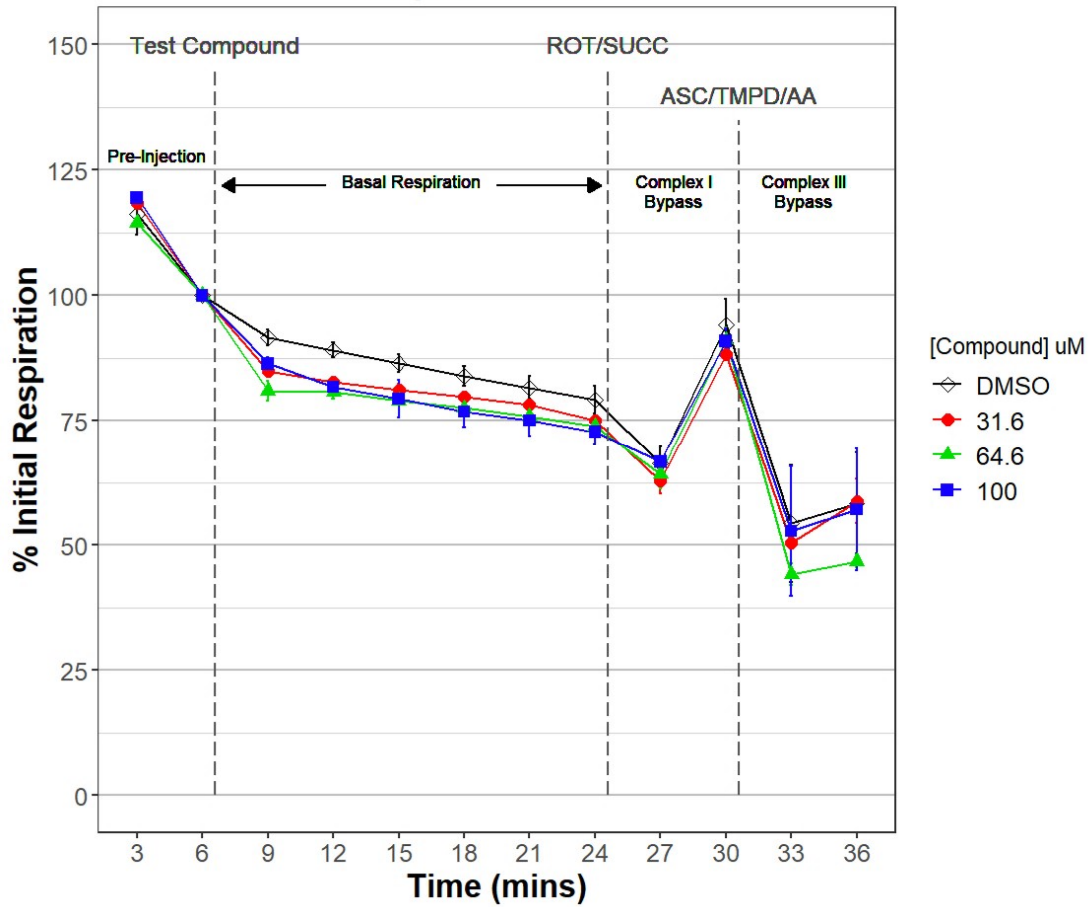
meso-Hexestrol



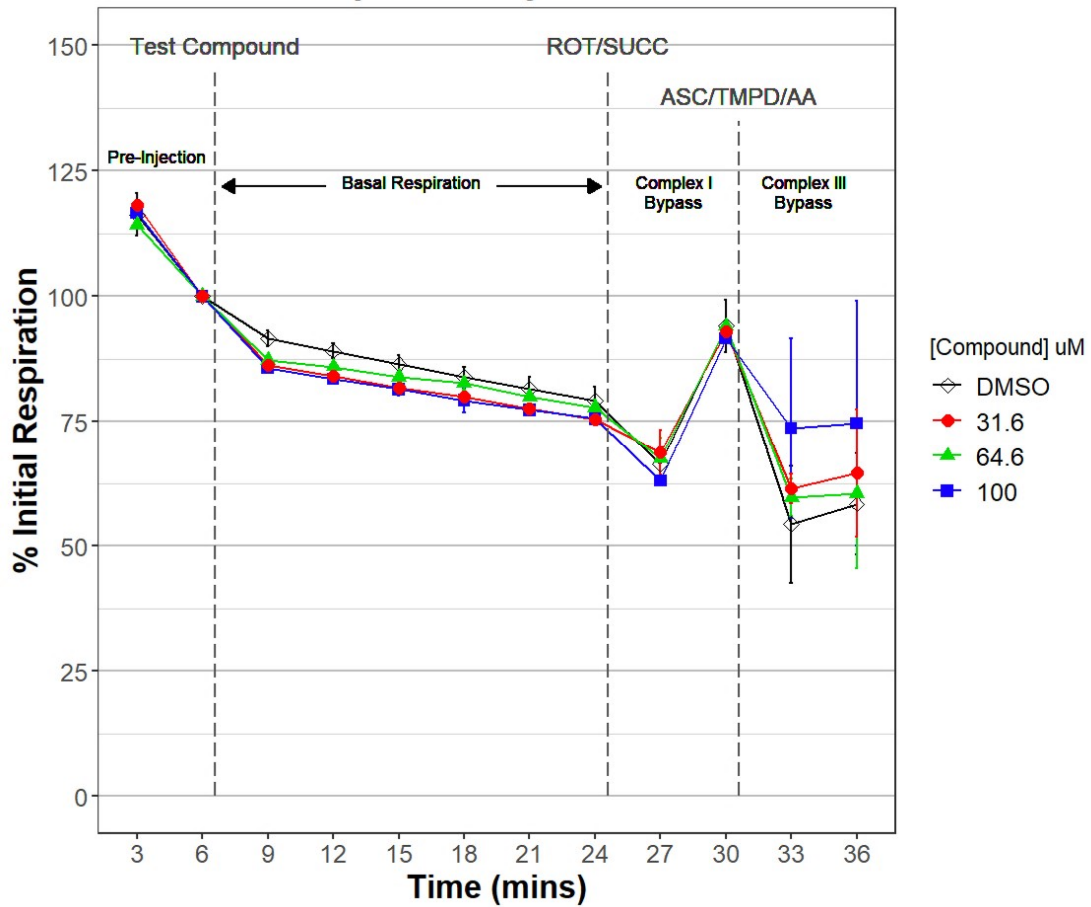
1-Dodecyl-2-pyrrolidinone



17alpha-Estradiol



17alpha-Ethinylestradiol



17beta-Estradiol

