Supplementary Material – Coding in R

title: "Nitrite\_frontiers"

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output: html\_document

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```{r setup, include=FALSE}

knitr::opts\_chunk$set(echo = TRUE)

```

```{r}

library(readxl)

library(tidyverse)

library(dplyr)

library(ggplot2)

library(ggpubr)

library(tidyverse)

```

```{r}

data <- read\_excel("Nitrite\_Data.xlsx")

```

```{r}

image\_path <- "images/" #tá vit goyma myndir so skriva vit image\_path og so navn

```

```{r}

Nitrite\_in\_RAS <- read\_excel("C:/Users/heidi/Documents/R\_Verkaetlanir/Nitrit\_mowi/Nitrit/Nitrite\_in\_RAS.xlsx")

```

```{r}

plot\_plasma\_K\_NO2N <- ggplot(data, aes(NO2\_plasma, K\_plasma)) + geom\_point() + scale\_shape\_manual(values = c(16, 2)) +

xlab(expression("Plasma NO"[2]^-{}-N\*" (mg/L)")) + ylab(expression("Plasma K"^+{}\*" (mmol/L)")) + stat\_smooth(method = lm, se = FALSE, color = "black", size =0.5) + theme\_classic() +

 stat\_cor(aes(label = paste(..rr.label.., ..p.label.., sep = "~`,`~"))) +

 stat\_regline\_equation(label.y = 6.8, aes(label = ..eq.label..))

plot\_plasma\_K\_NO2N

```

```{r}

 ggplot(data = Nitrite\_in\_RAS, aes(Measurment, NO2\_N)) +

 geom\_line() + geom\_point() + scale\_y\_log10() + geom\_bracket(xmin = 390, xmax = 422, y.position = 0.1, label ="sampling period") +

 ylab(expression("NO"[2]^ - { }-N\*" (mg/L)")) + xlab(expression("22 months production period")) +

 theme\_classic() + annotation\_logticks(sides = "l") +

 theme(axis.ticks.x = element\_blank(),axis.text.x = element\_blank()) + geom\_hline(yintercept = 0.1, linetype ="dashed")

```