Se-Treatment

DTH Response after 30 min

Se-Status

DTH Response after 30 min

Neutrophil Bacterial Killing

Gene Expression

mRNA Expression (Fold Changes compared to Healthy Control)

B) [Se-Status]

Differential Thymic Hyporesponsiveness (DTH) Response after 30 min

Healthy (n=7)  
FR-High Se (n=17)  
FR-Low Se (n=16)

Wheal Diameter or Thickness (mm)

Saline-Body  
Histamine-Body  
KLH-Body Diameter  
KLH-Body Thickness  
KLH-Ear Diameter  
KLH-Ear Thickness

Neutrophil Bacterial Killing

Gene Expression

mRNA Expression (Fold Changes compared to Healthy Control)

C) Neutrophil Bacterial Killing

D) Neutrophil Bacterial Killing

Healthy (n=10)  
FR-Se (n=8)  
FR-Saline (n=11)

Healthy (n=10)  
FR-High Se (n=13)  
FR-Low Se (n=6)

Wheal Diameter or Thickness (mm)

Saline-Body  
Histamine-Body  
KLH-Body Diameter  
KLH-Body Thickness  
KLH-Ear Diameter  
KLH-Ear Thickness

Gene Expression

mRNA Expression (Fold Changes compared to Healthy Control)

E) Gene Expression

F) Gene Expression

Healthy (n=15)  
FR-Se (n=11)  
FR-Saline (n=14)

Healthy (n=15)  
FR-High Se (n=14)  
FR-Low Se (n=10)

Neutrophil Bacterial Killing (%)

Healthy (n=10)  
FR-Se (n=8)  
FR-Saline (n=11)

Healthy (n=10)  
FR-High Se (n=13)  
FR-Low Se (n=6)

Neutrophil Bacterial Killing

Gene Expression

mRNA Expression (Fold Changes compared to Healthy Control)

C) Neutrophil Bacterial Killing

D) Neutrophil Bacterial Killing

Healthy (n=10)  
FR-Se (n=8)  
FR-Saline (n=11)

Healthy (n=10)  
FR-High Se (n=13)  
FR-Low Se (n=6)

Wheal Diameter or Thickness (mm)

Saline-Body  
Histamine-Body  
KLH-Body Diameter  
KLH-Body Thickness  
KLH-Ear Diameter  
KLH-Ear Thickness

Gene Expression

mRNA Expression (Fold Changes compared to Healthy Control)

E) Gene Expression

F) Gene Expression

Healthy (n=15)  
FR-Se (n=11)  
FR-Saline (n=14)

Healthy (n=15)  
FR-High Se (n=14)  
FR-Low Se (n=10)