Whodas

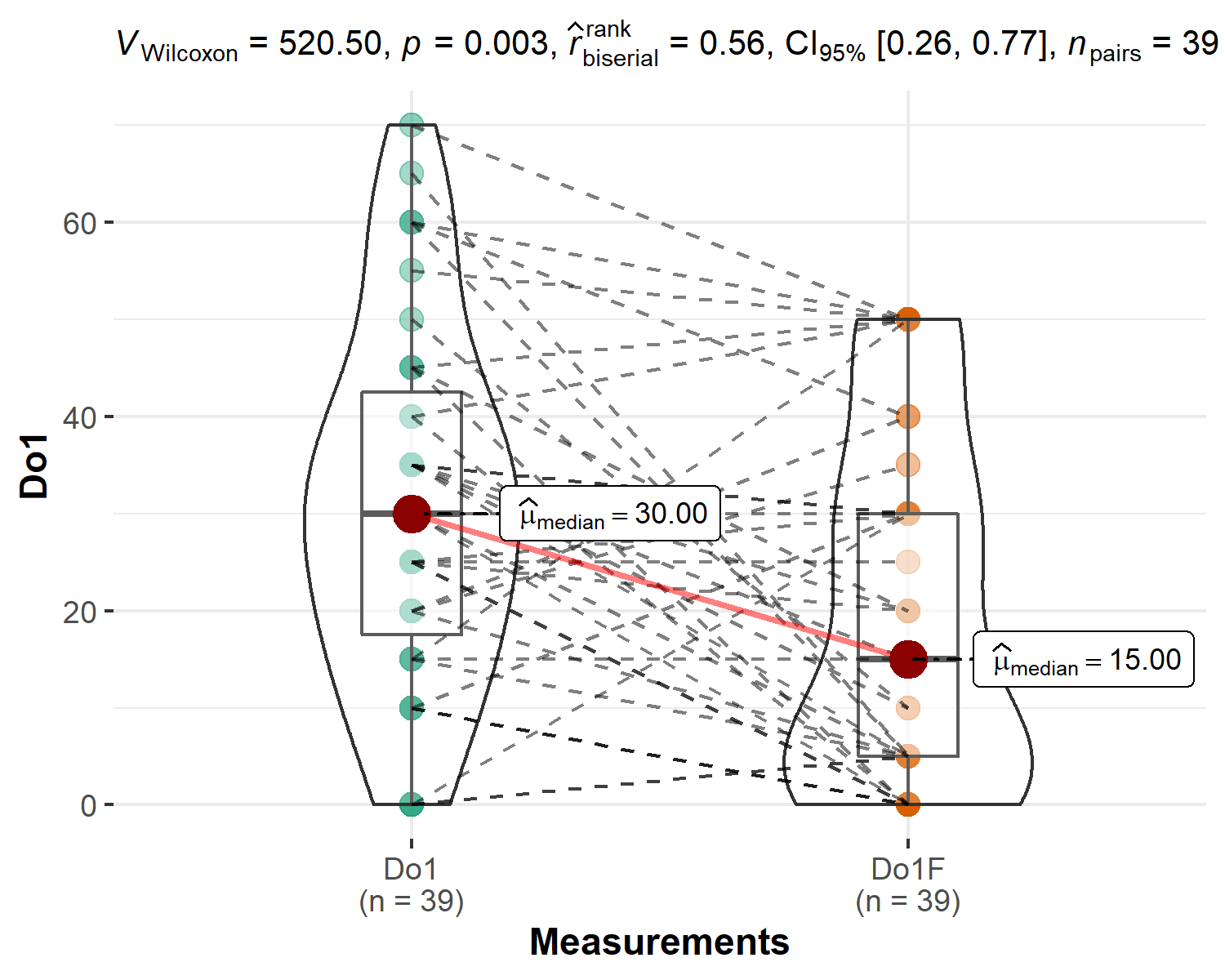
Oleg

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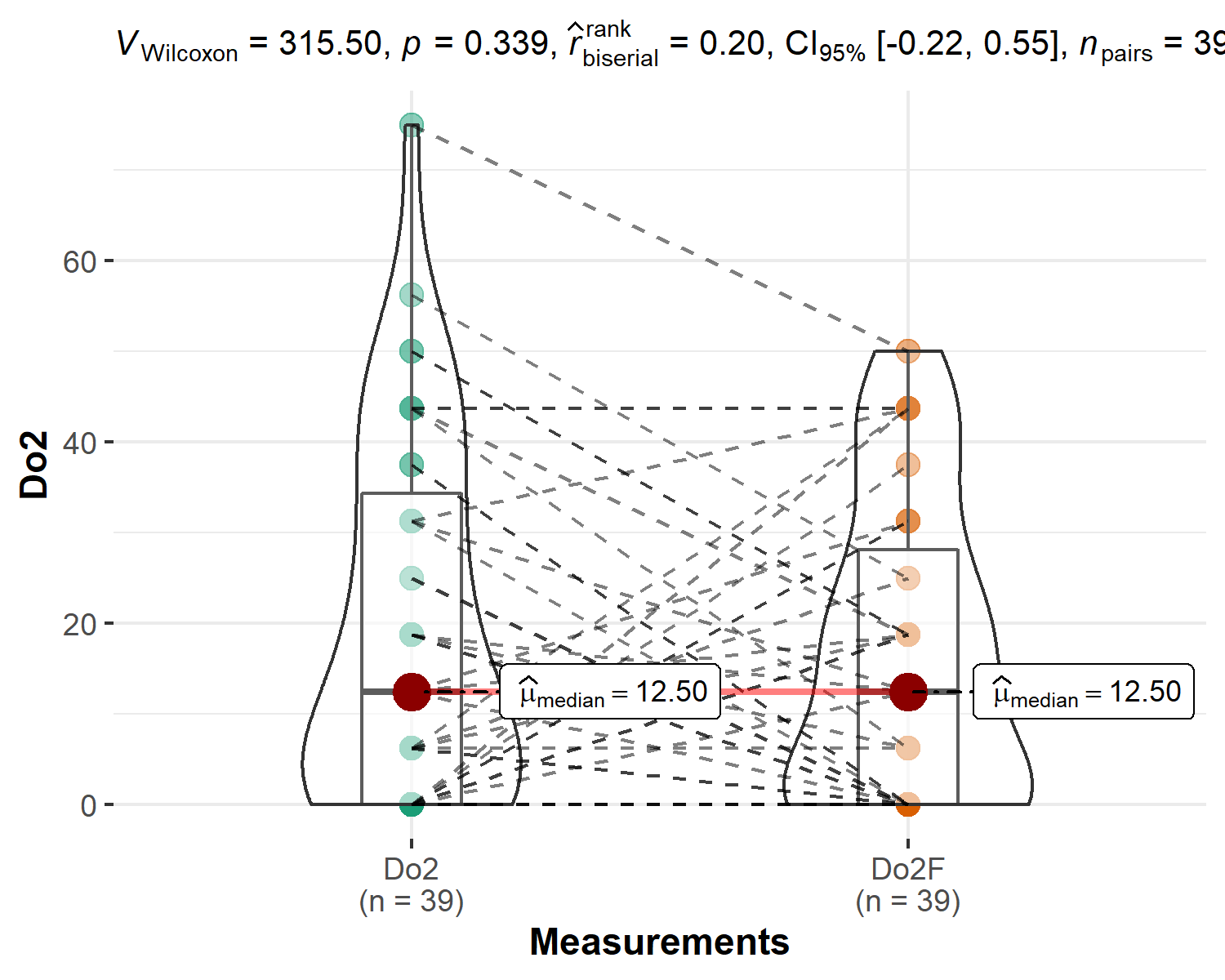
Whodas <- read\_xlsx("date/Whodas.xlsx", sheet = "Unite for analysis")  
  
  
df <- Whodas

df\_long <- df %>%  
 pivot\_longer(c(2:15), names\_to = "Parameters", values\_to = "Value")  
print(df\_long)  
#> # A tibble: 546 x 3  
#> ID Parameters Value  
#> <dbl> <chr> <dbl>  
#> 1 2 Do1 60   
#> 2 2 Do2 75   
#> 3 2 Do3 60   
#> 4 2 Do4 58.3  
#> 5 2 Do51 90   
#> 6 2 Do6 79.2  
#> 7 2 st\_s32 70.6  
#> 8 2 Do1F 40   
#> 9 2 Do2F 50   
#> 10 2 Do3F 60   
#> # ... with 536 more rows

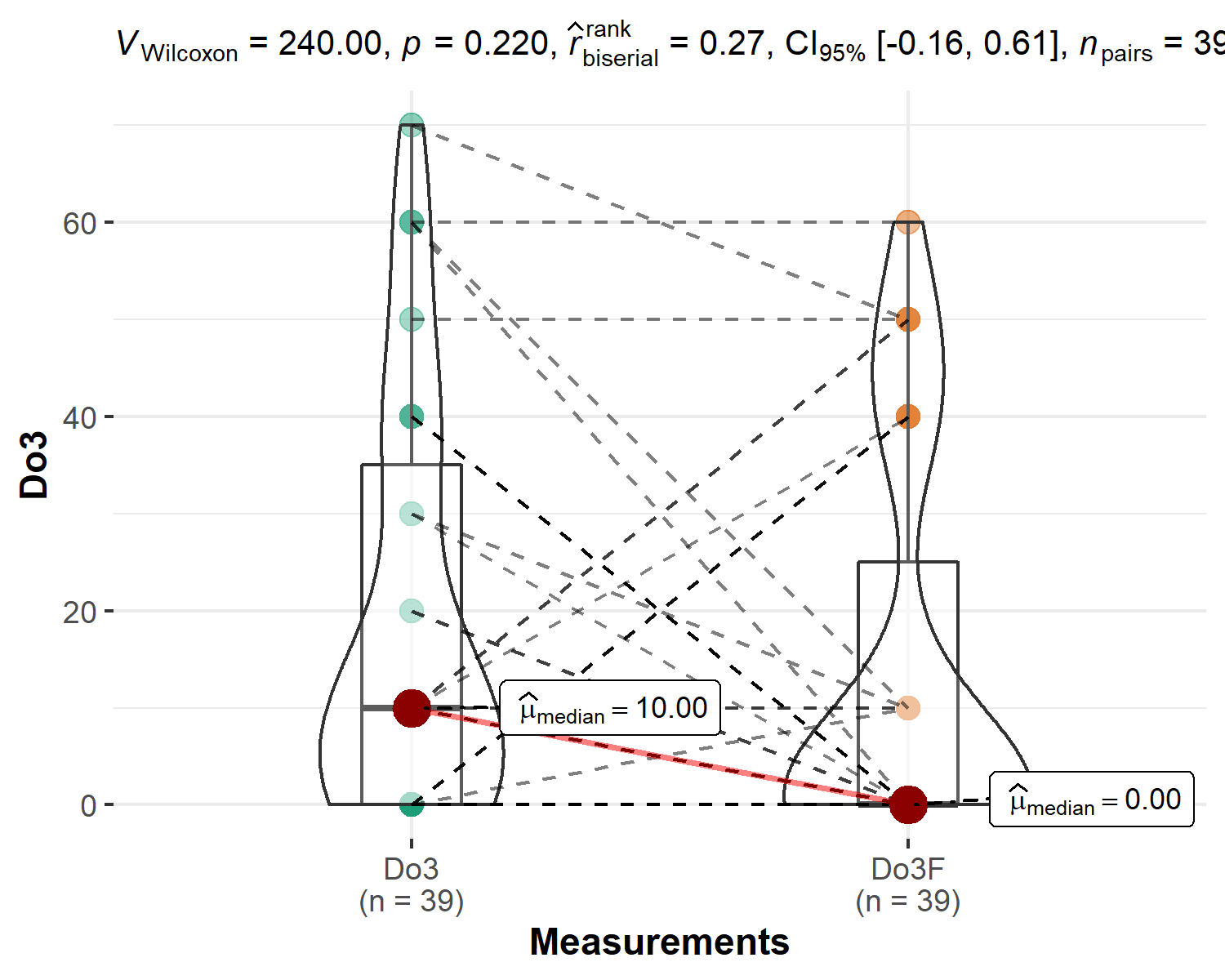
plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do1" | Parameters == "Do1F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do1"  
)  
plt\_0



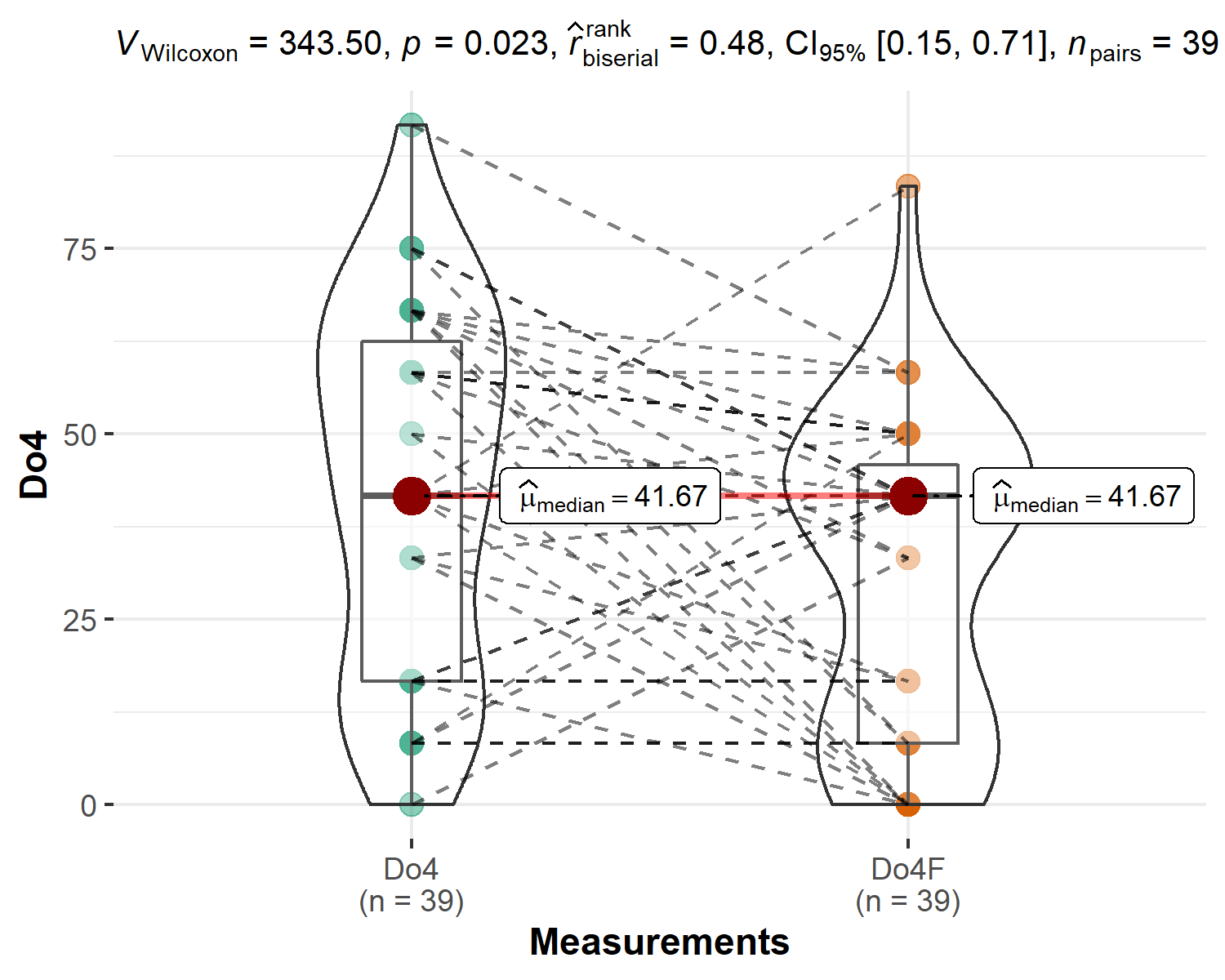
plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do2" | Parameters == "Do2F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do2"  
)  
plt\_0



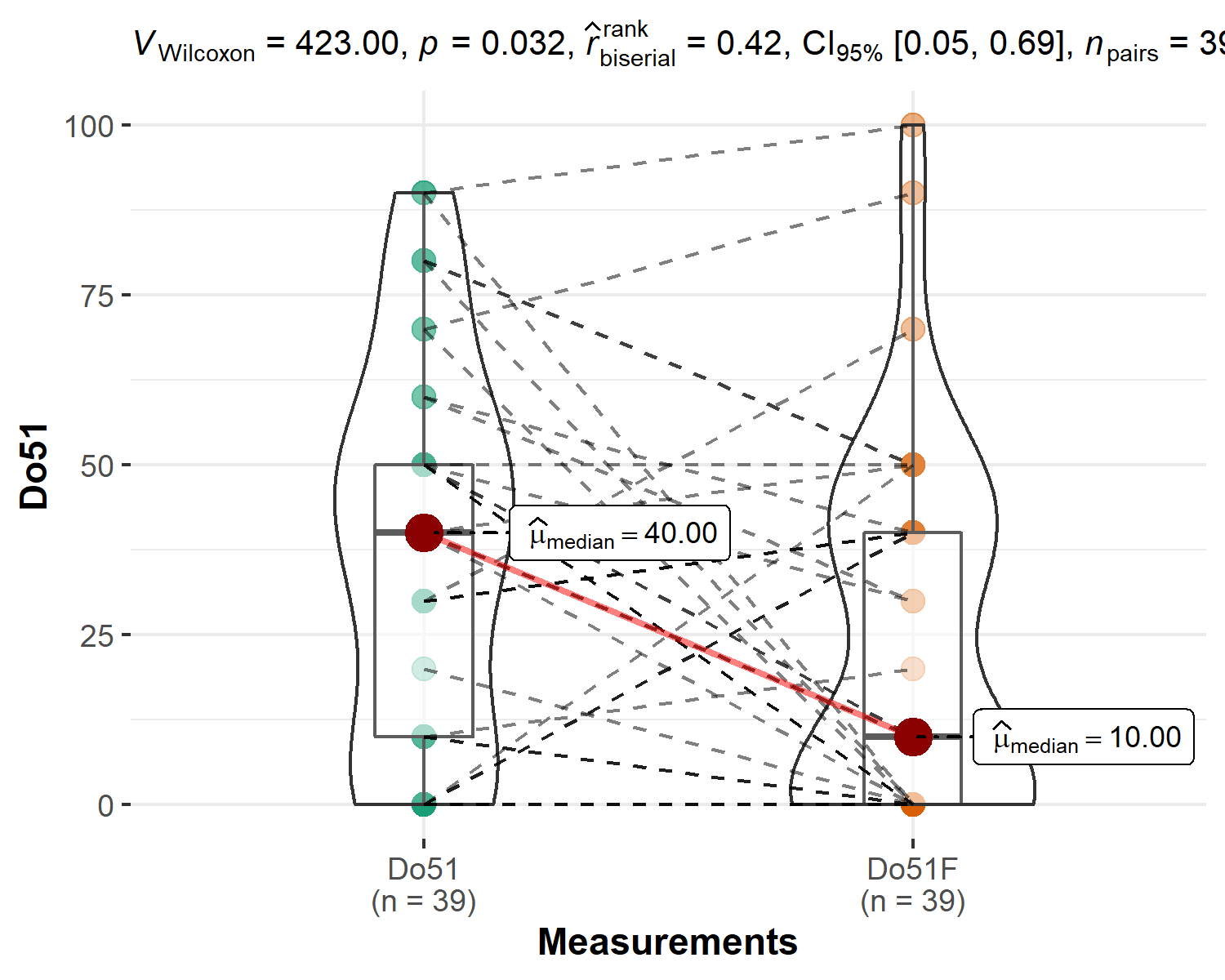
plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do3" | Parameters == "Do3F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do3"  
)  
plt\_0



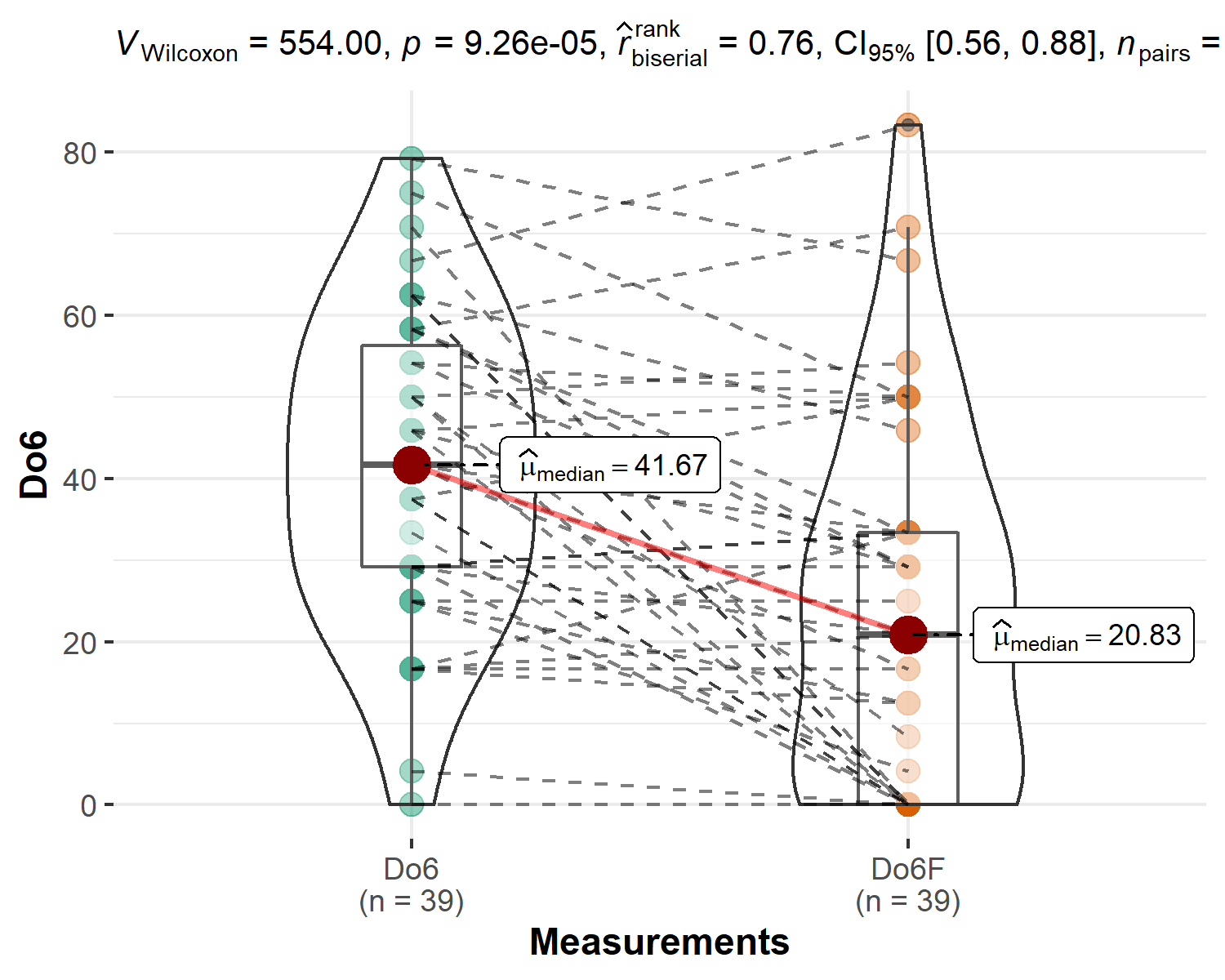
plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do4" | Parameters == "Do4F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do4"  
)  
plt\_0



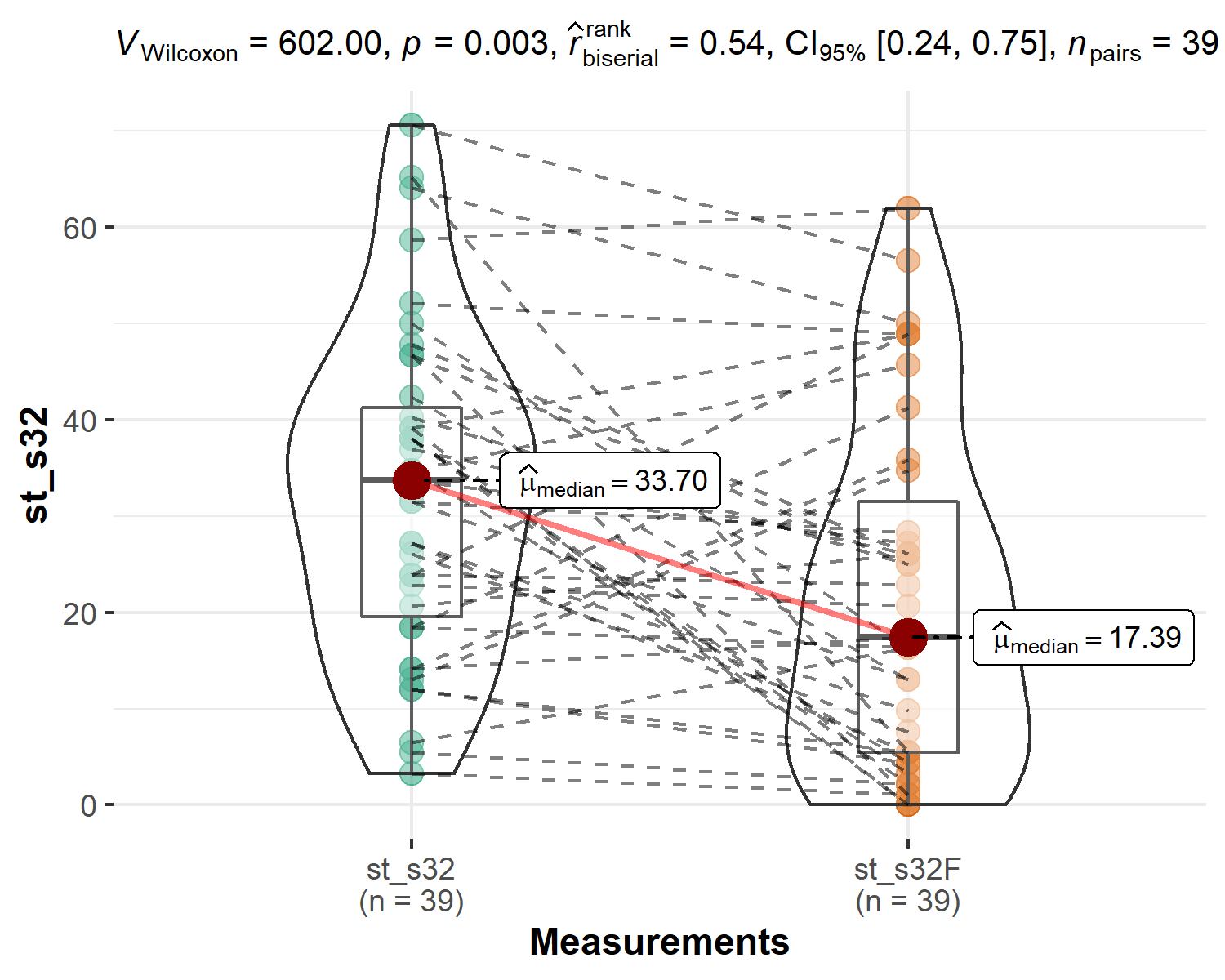
plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do51" | Parameters == "Do51F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do51"  
)  
plt\_0



plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "Do6" | Parameters == "Do6F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "Do6"  
)  
plt\_0



plt\_0 <- ggwithinstats(  
 data = subset(df\_long,Parameters == "st\_s32" | Parameters == "st\_s32F"),  
 type = "nonparametric",   
 x = Parameters,  
 y = Value,  
 xlab = "Measurements",  
 ylab = "st\_s32"  
)  
plt\_0



### Graphs dor initial situation  
  
df\_long\_alternativ <- df %>%  
 pivot\_longer(c(2:8), names\_to = "Parameters", values\_to = "Value")  
  
df\_long\_alternativ$Parameters = as.factor(df\_long\_alternativ$Parameters)  
  
  
ggplot(df\_long\_alternativ, aes(x = Parameters, y = Value, fill=Parameters))+  
 geom\_boxplot(alpha=0.6)+  
 ggtitle("Profilul initial indicatorilor Whodas")

