```
Data: Data frame input by user
Result: Interactive scatterplot matrix
/* Declare Shiny server
server \leftarrow function(input, output, session)
   /* Declare Shiny output scatterplot matrix
   output\$scatMatPlot \leftarrow renderPlotly({
           /* Draw hexagons and x=y line in bottom-left corner of matrix
           my_fn \leftarrow function(data, mapping) \{ \}
           /* Create static scatterplot matrix
           p \leftarrow ggpairs(data, lower = list(continuous = my_fn))
           /* Convert ggplot2::ggplot() object to plotly object
           ggP \leftarrow ggplotly(p)
           /* Tailor plotly scatterplot matrix interactivity with JavaScript
           ggPR \leftarrow ggP \% > \% onRender("function(el, x, data) 
              /* If the user clicks on the plotly scatterplot matrix object
              el.on('plotly_click', function(e){
                  /* Delete any old superimposed plotly geoms (orange dots)
                  if (x.data.length > 0){Plotly.deleteTraces(el.id)}
                  /* Determine gene IDs selected by user click. Save as
                   object called selID with handle called 'selID' so it can be
                   read outside current JavaScript function back in Shiny
                  Shiny.onInputChange('selID', selID)
                  /* Create traces for selected gene IDs as orange points that
                   state gene names upon hovering
                  trace = {mode: 'markers', color: 'orange', size: 6, text:
                   selID, hoverinfo: 'text'}
                  /* Superimpose traces onto the plotly scatterplot matrix
                    object
                  Plotly.addTraces(el.id, Traces)
               })
           }
           /* Pass the R data object into the JavaScript function
           ", data = data)
       })
       /* Read into Shiny the gene IDs that user clicked on
       selID \leftarrow reactive(input\$selID)
       /* Create data subset (read counts) for only the selected gene IDs
       pcpDat \leftarrow reactive(data[which(data$ID \%>\% selID()), ])
       /* Create static box plot of the full dataset
       BP \leftarrow ggplot(data) + geom\_boxplot()
       /* Render boxplot interactive as a plotly object
       ggBP \leftarrow ggplotly(BP)
       /* Declare Shiny output boxplot
       output$boxPlot \leftarrow renderPlotly({
           /* Tailor interactivity of the plotly boxplot object using custom
            JavaScript
           ggBP %>% onRender("function(el, x, data){
              /* Create traces for selected gene IDs as orange lines that state
                gene names upon hovering
```