Visualization of data from assays in microtitre plate or slide format

Wolfgang Huber

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The splots package provides a single function, `plotScreen`, for visualising data in microtitre plate or slide format. Here we show a short demo of its parameters. First, we generate example data:

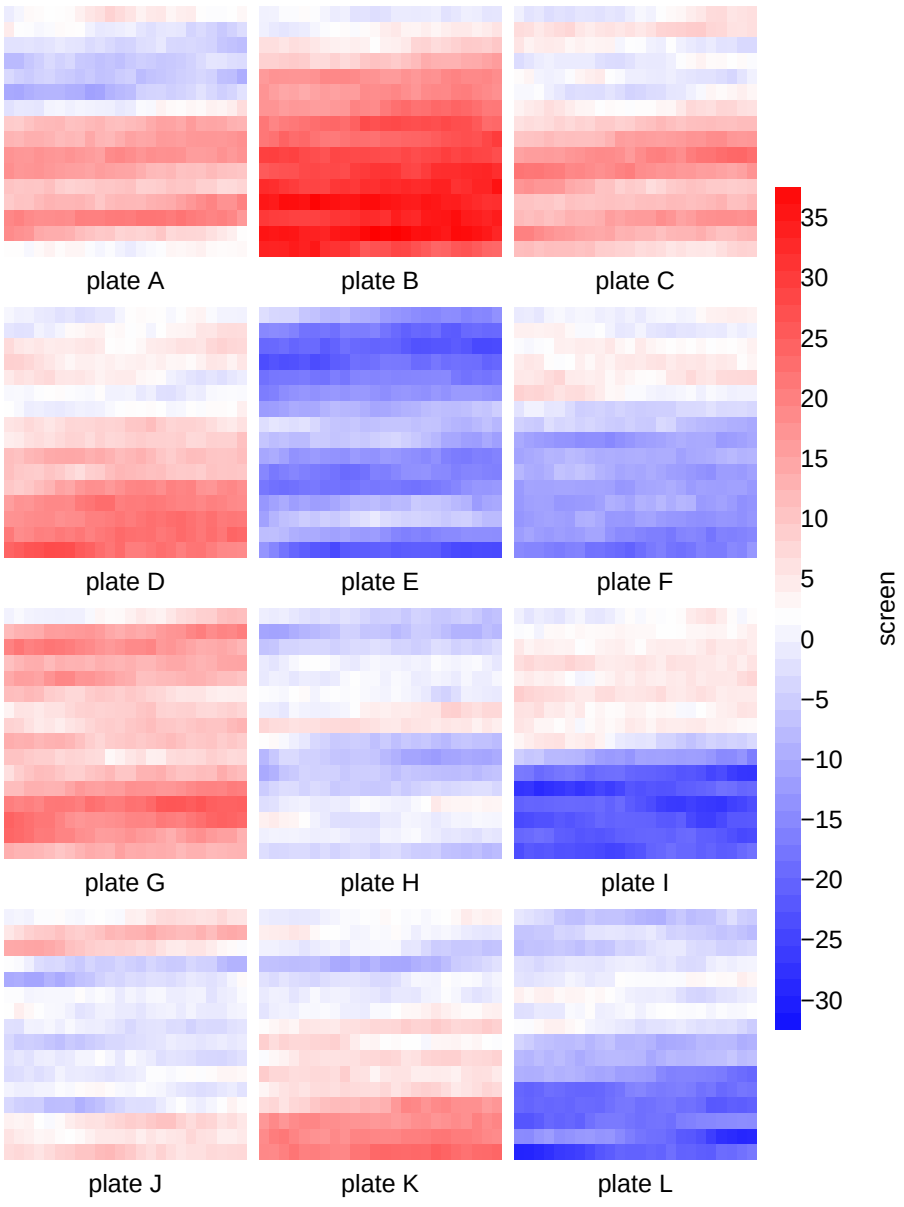
```
> library("splots")
> screen = lapply(1:12, function(i) cumsum(rnorm(384)))
> names(screen) = paste("plate", LETTERS[seq(along=screen)])
```

```
> toLatex(sessionInfo())
```

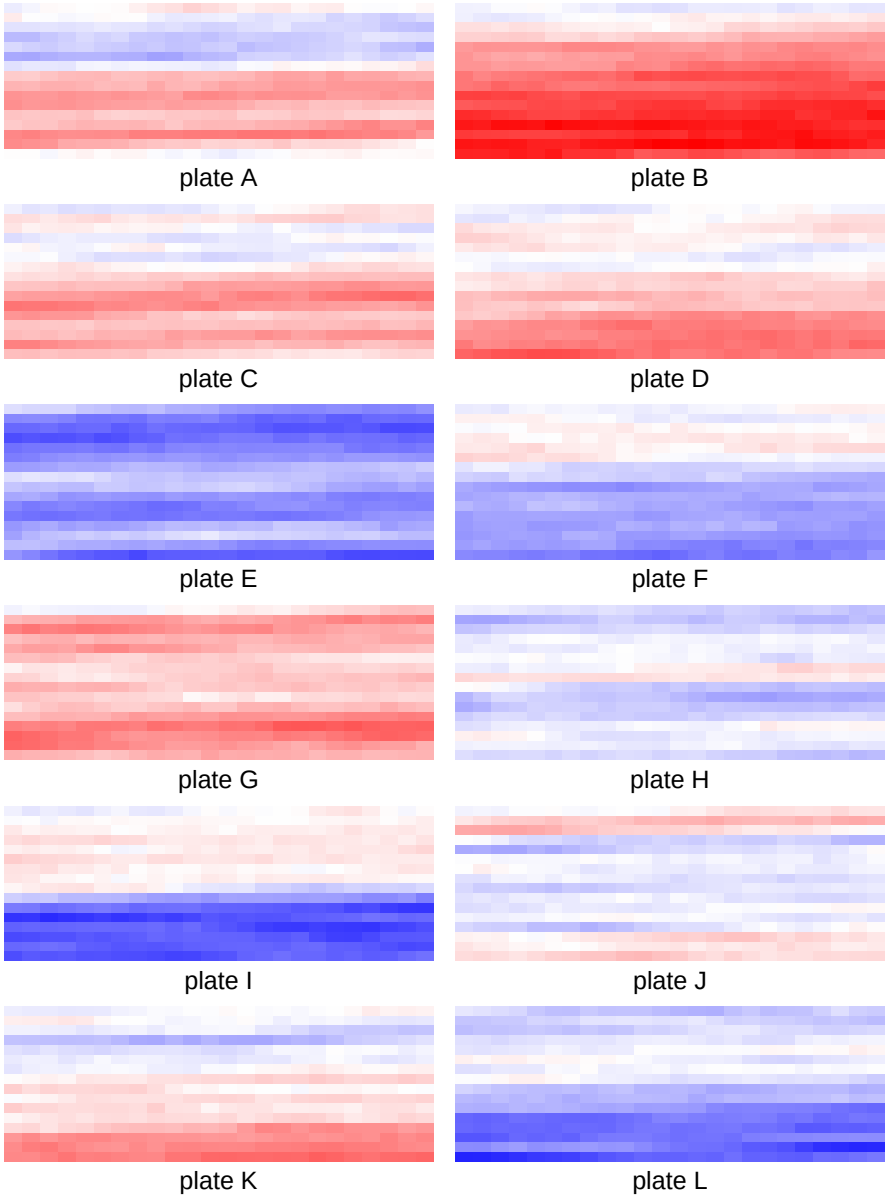
- R version 3.1.0 RC (2014-04-02 r65358), `x86_64-apple-darwin10.8.0`
- Locale: `en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8`
- Base packages: base, datasets, graphics, grDevices, methods, stats, utils
- Other packages: splots 1.30.0
- Loaded via a namespace (and not attached): grid 3.1.0, RColorBrewer 1.0-5, tools 3.1.0

Table 1: The output of `sessionInfo` on the build system after running this vignette.

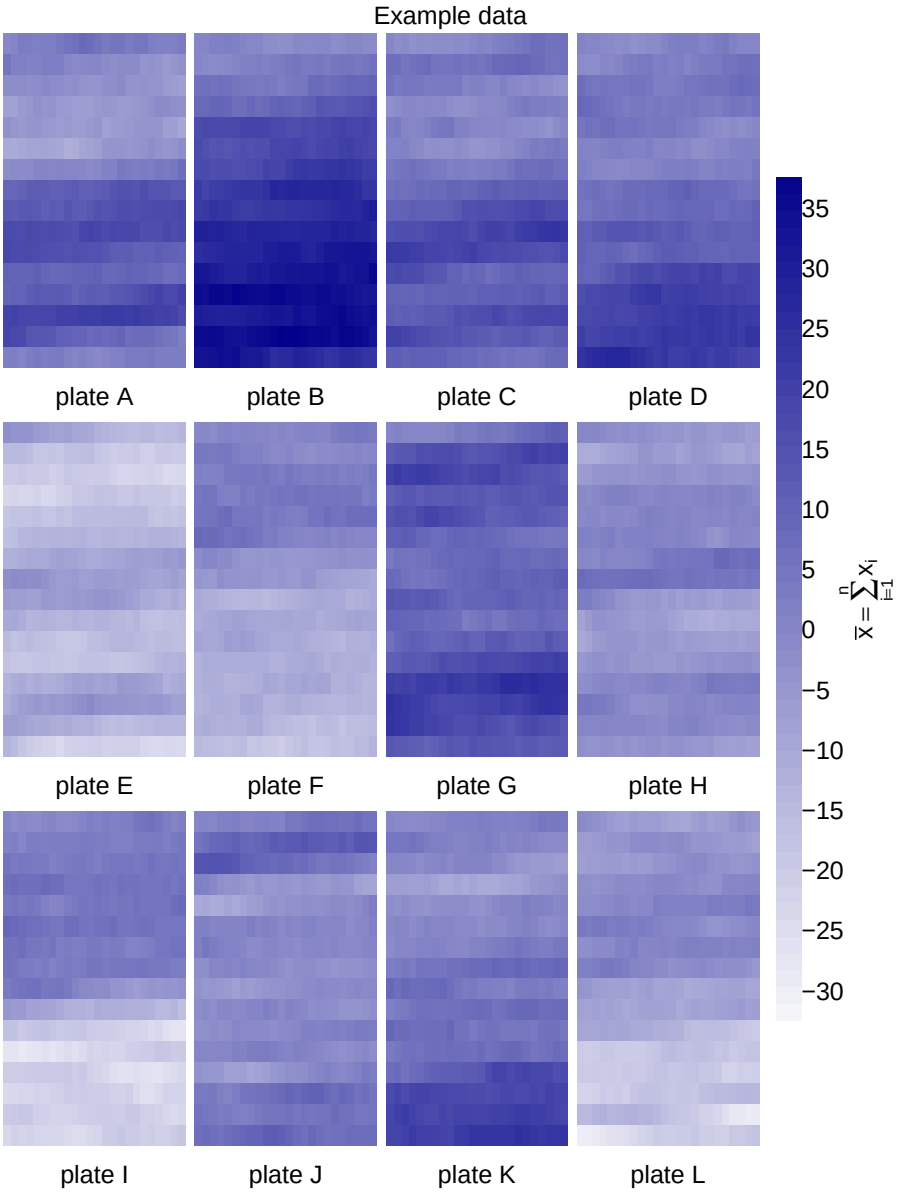
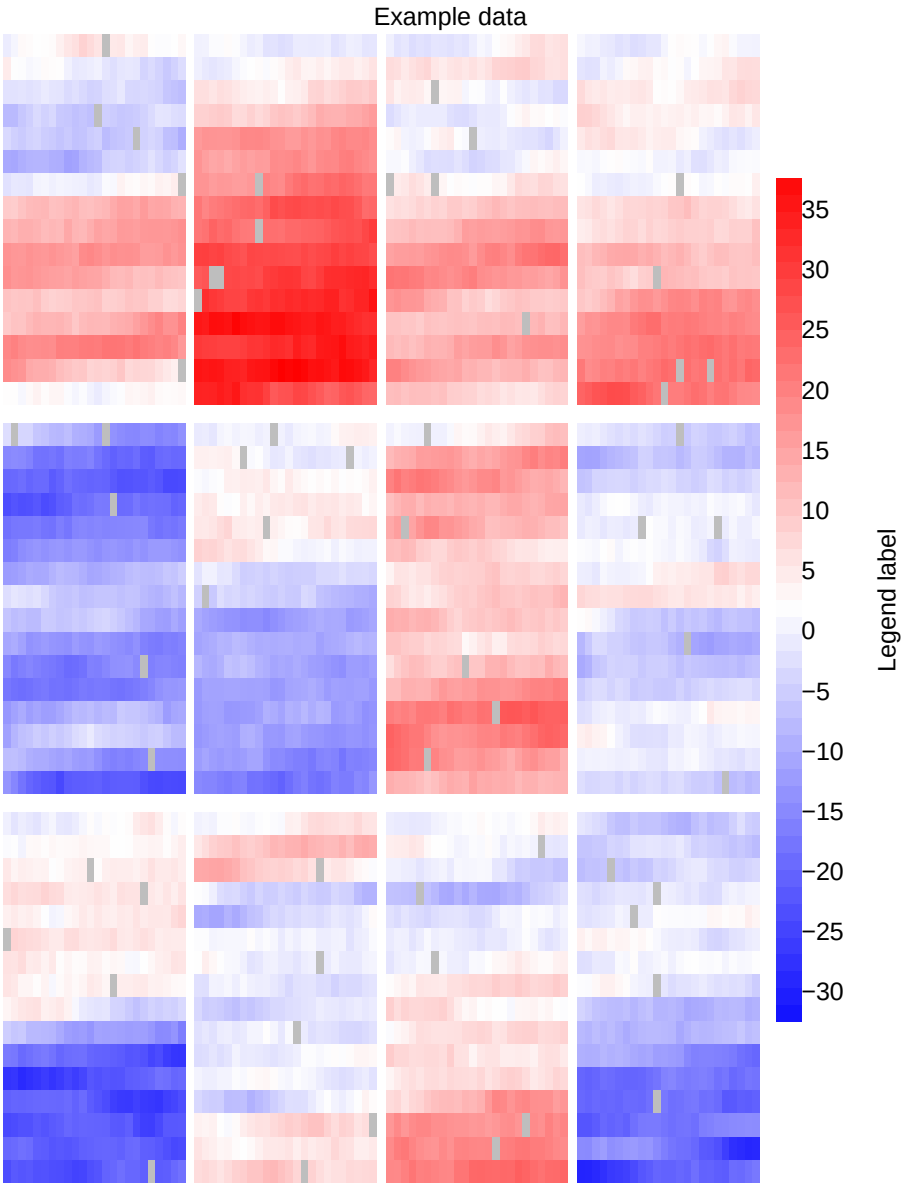
```
> plotScreen(screen, ncol=3)
```



```
> plotScreen(screen, ncol=2, do.legend=FALSE)
```



```
> plotScreen(screen, ncol=4, fill=c("white", "darkblue"),
+            main="Example data",
+            legend.label=expression(bar(x) == sum(x[i], i==1, n)))
```



```
> for(i in seq(along=screen))
+   screen[[i]][sample(384, 5)] = NA
> plotScreen(screen, ncol=4, do.names=FALSE,
+            main="Example data", legend.label="Legend label")
```