

# Results

*Renata Diaz*

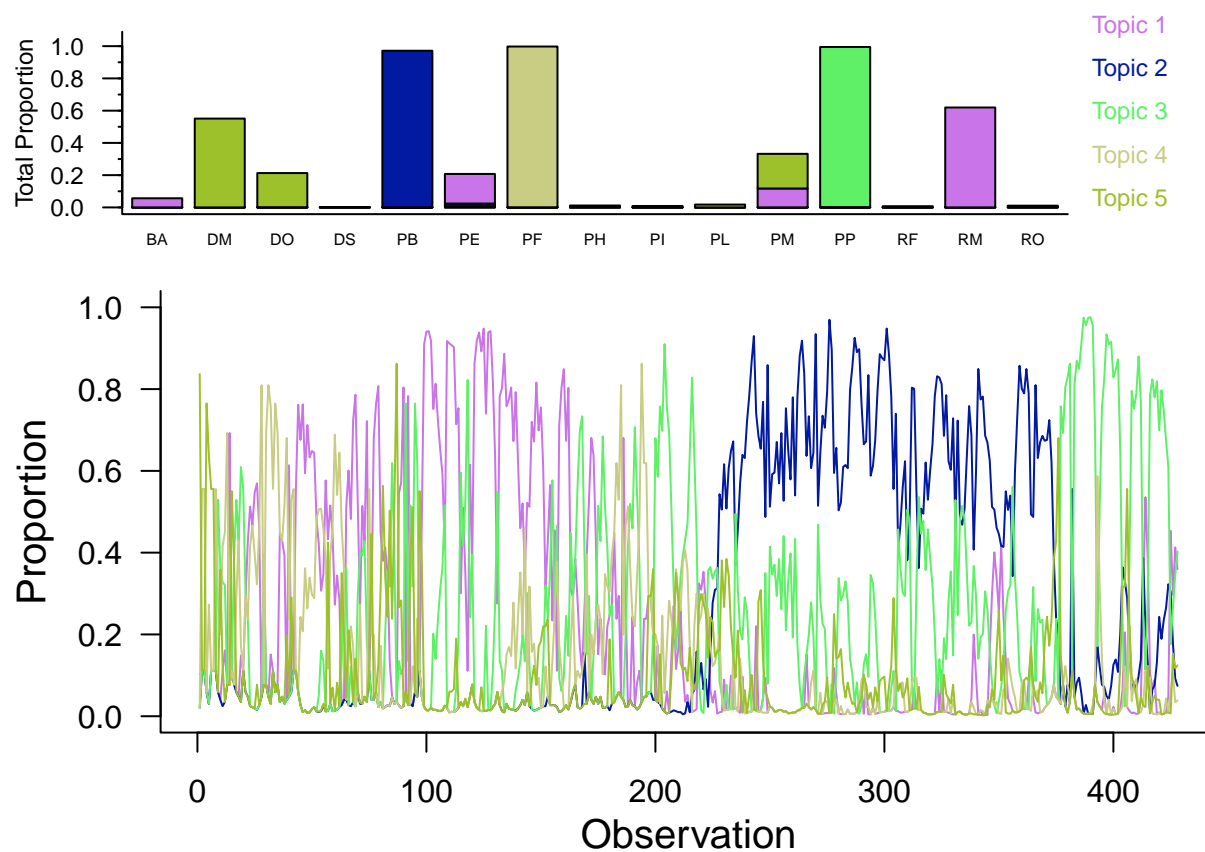
*5/30/2018*

## Exclosure plots

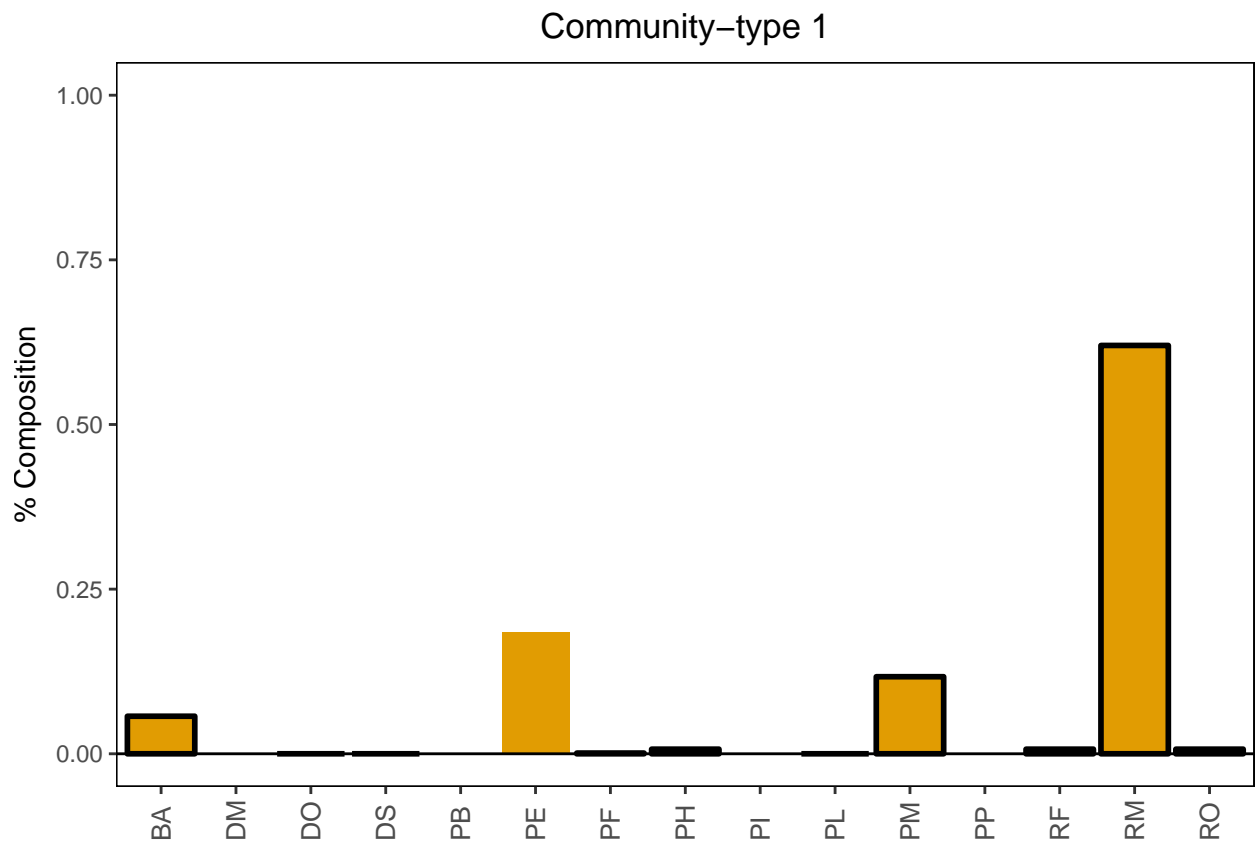
Granivores only, fewer plots (4), full time series.

```
load('models/excl_time_gran.Rdata')
```

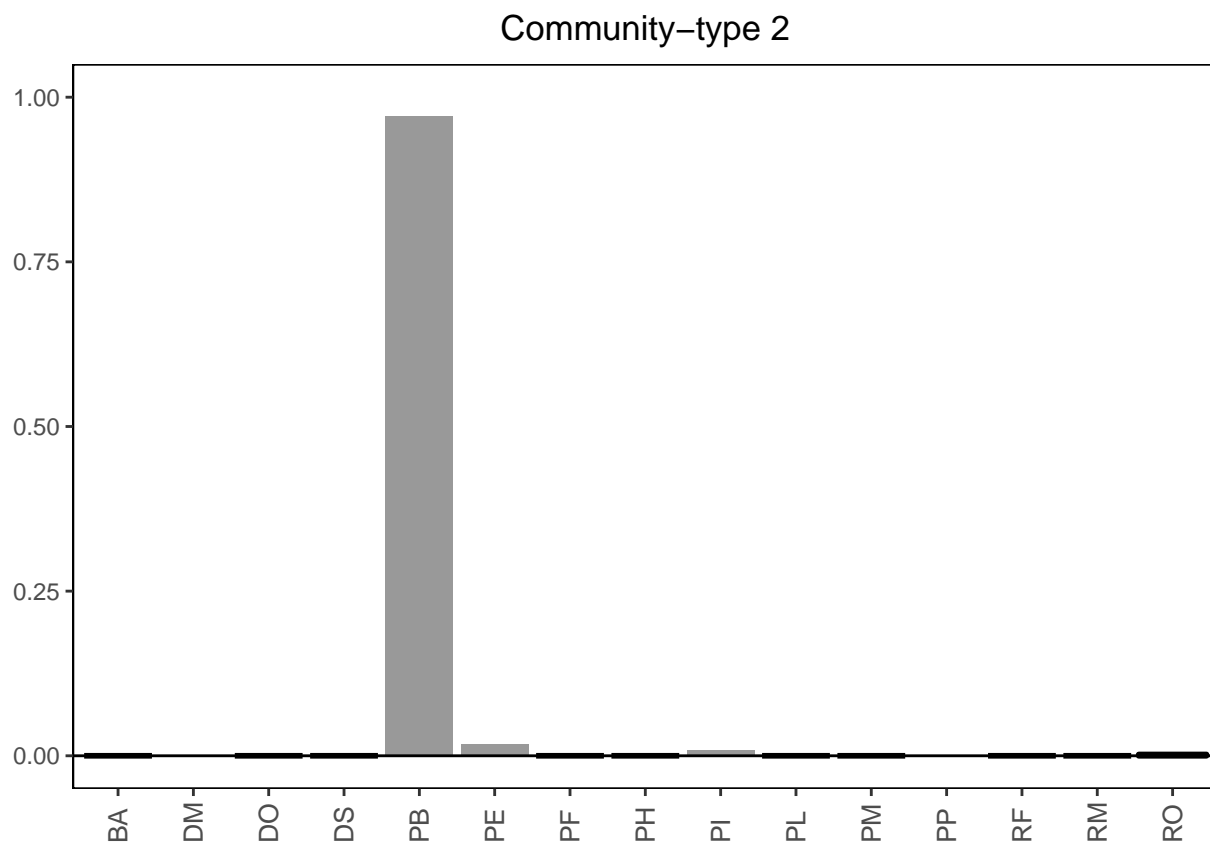
LDA model:



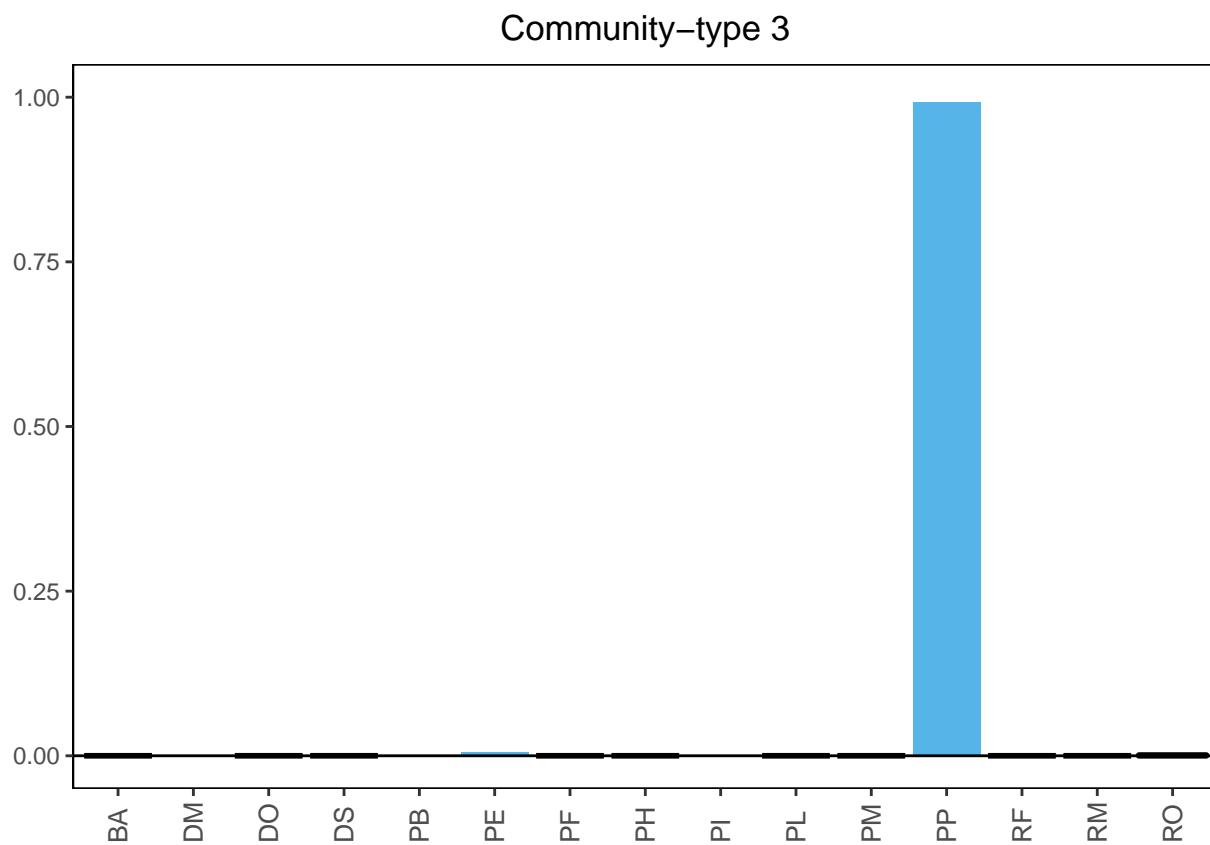
```
## [[1]]
```



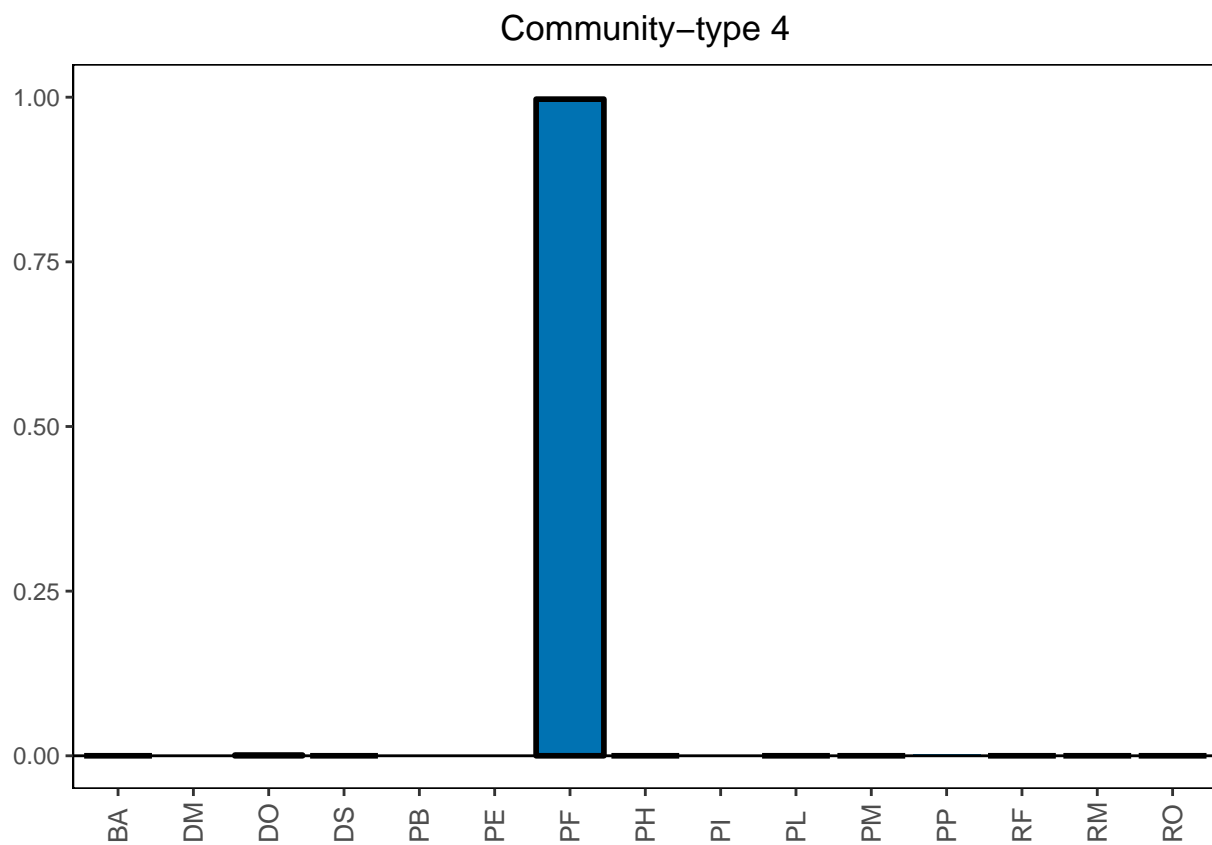
##  
## [[2]]



```
##  
## [[3]]
```

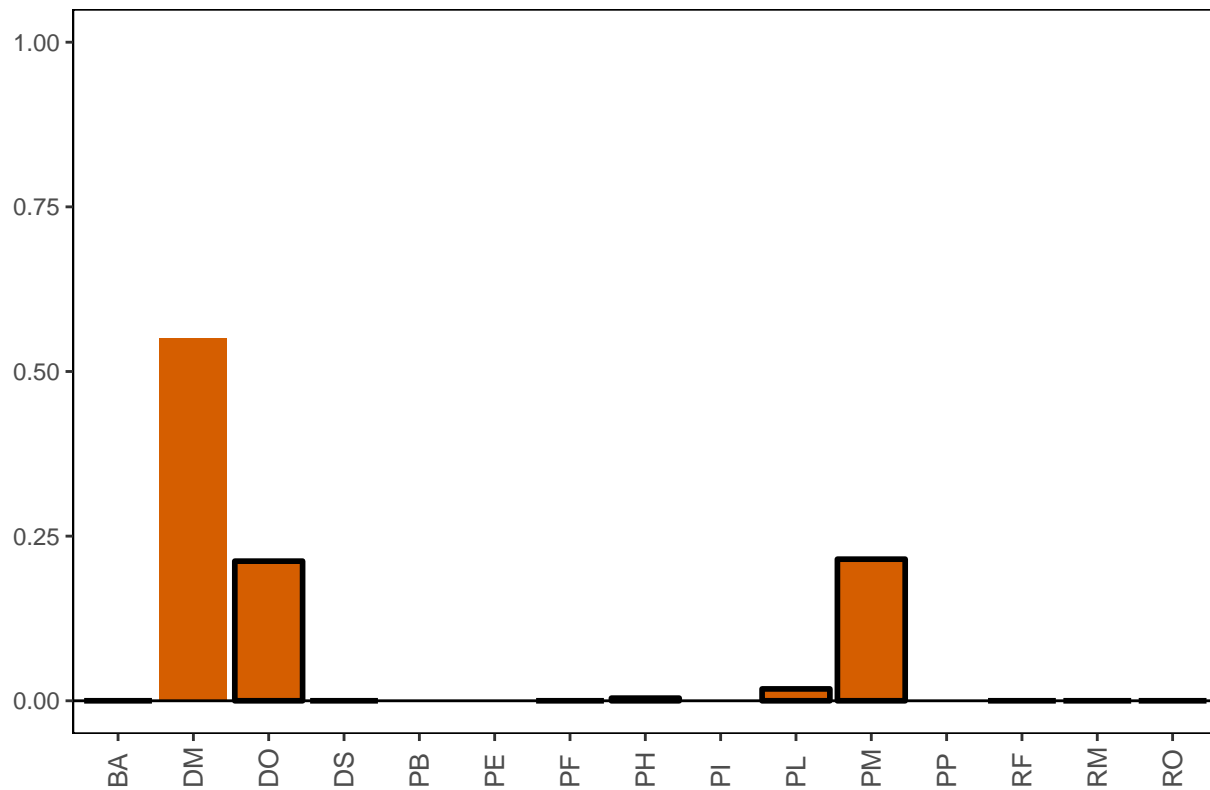


```
##  
## [[4]]
```



```
##  
## [[5]]
```

## Community-type 5



Changepoint model:

```
##           Mean Median Lower Upper   SD MCMCerr  AC10    ESS
## Changepoint_1 219.24   224   185   242 18.6  0.1869 0.2304 595.5178
## Changepoint_2 368.31   375   326   400 28.9  0.2905 0.3492 316.6409
```

Here are some more diagnostics:

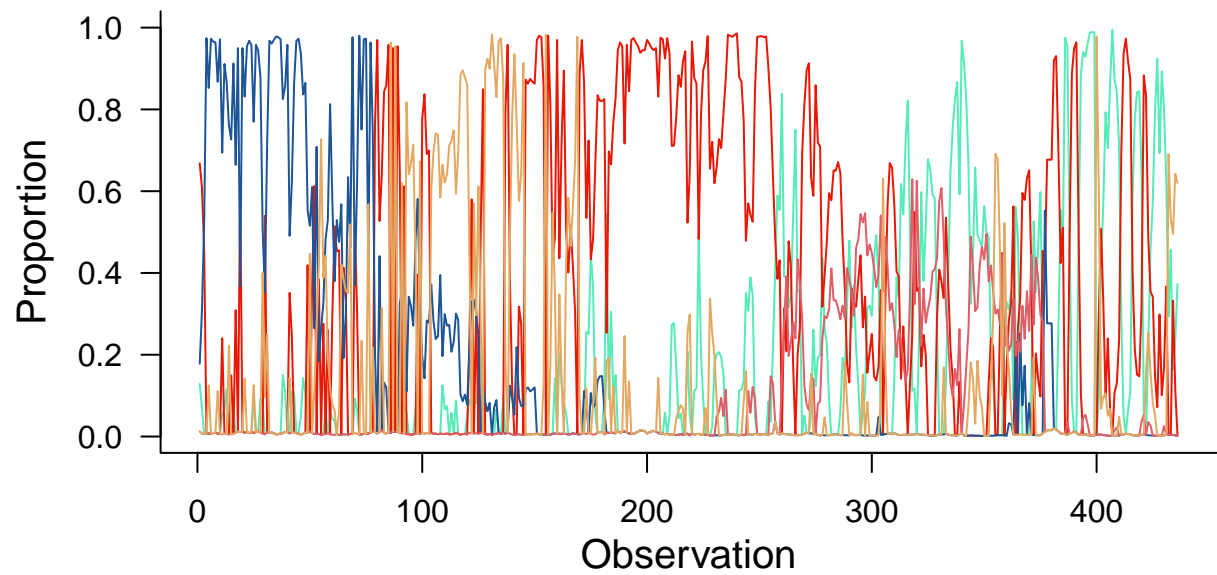
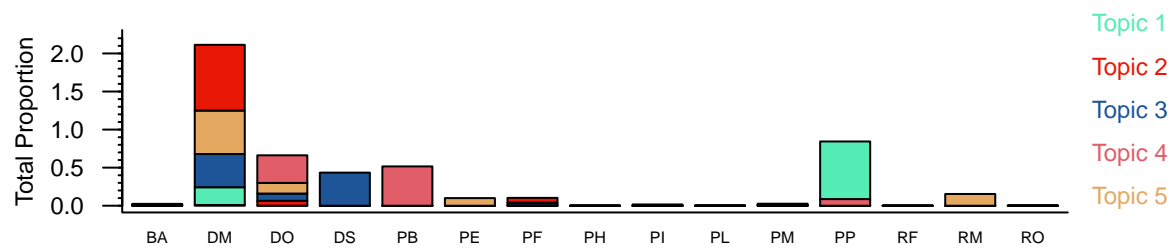
```
## $acceptance_rates
## [1] 0.5480808 0.8333333 0.9108081 0.9355556 0.9440404 0.9434343
##
## $swapping_rates
## [1] 0.1996970 0.5481818 0.8009091 0.9240404 0.9578788
##
## $trip_counts
## [1] 96 105 105 93 97 87
##
## $trip_rates
## [1] 0.009696970 0.010606061 0.010606061 0.009393939 0.009797980 0.008787879
```

## Control plots

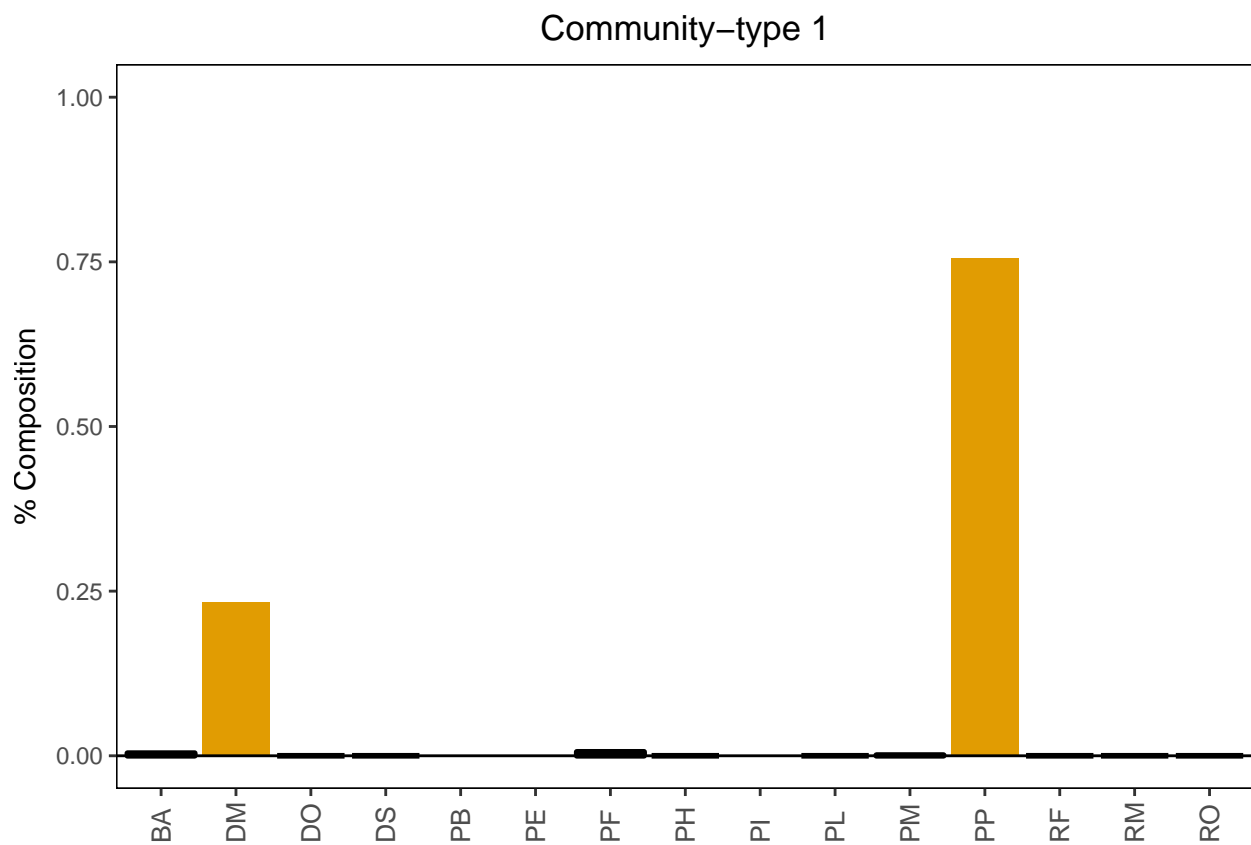
Granivores only, fewer plots (4), full time series.

```
load('models/ctrl_time_gran.Rdata')
```

LDA model:

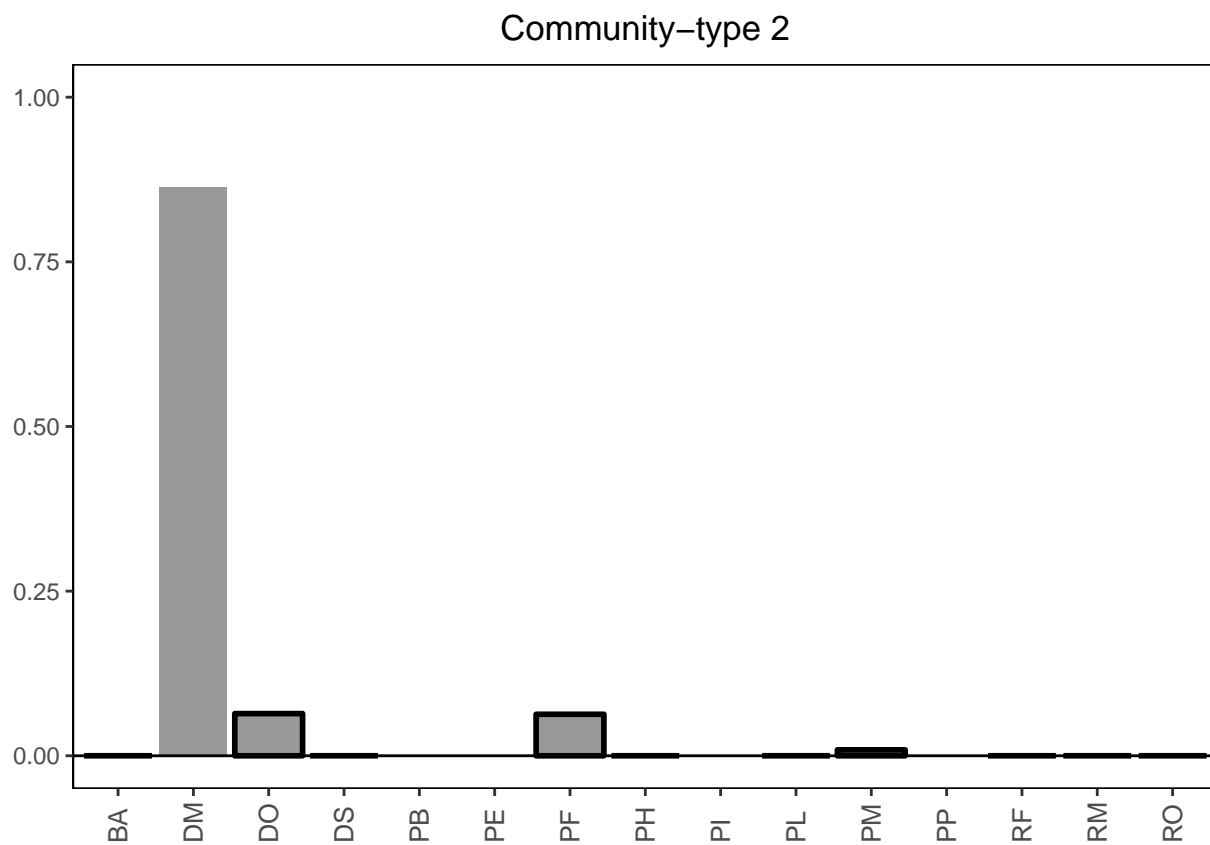


## [[1]]

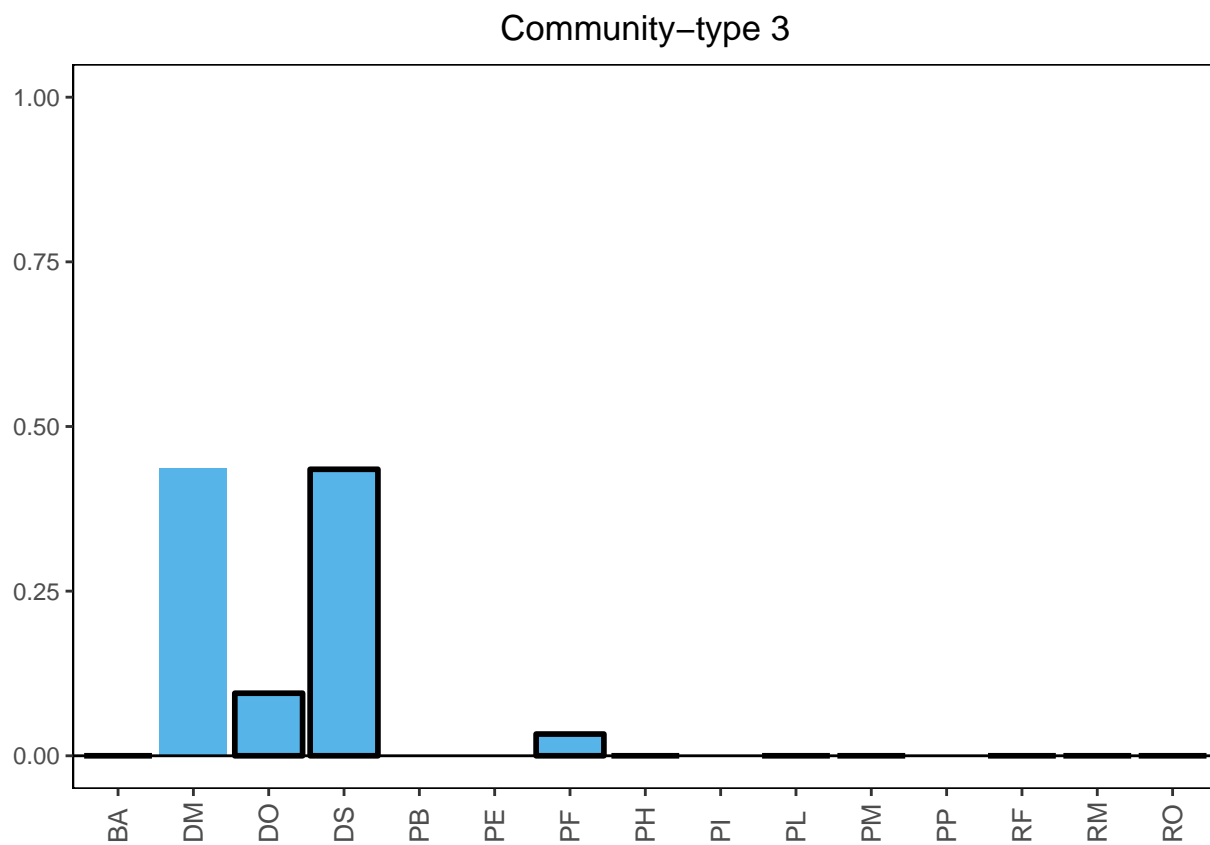


```
##  
## [[2]]
```



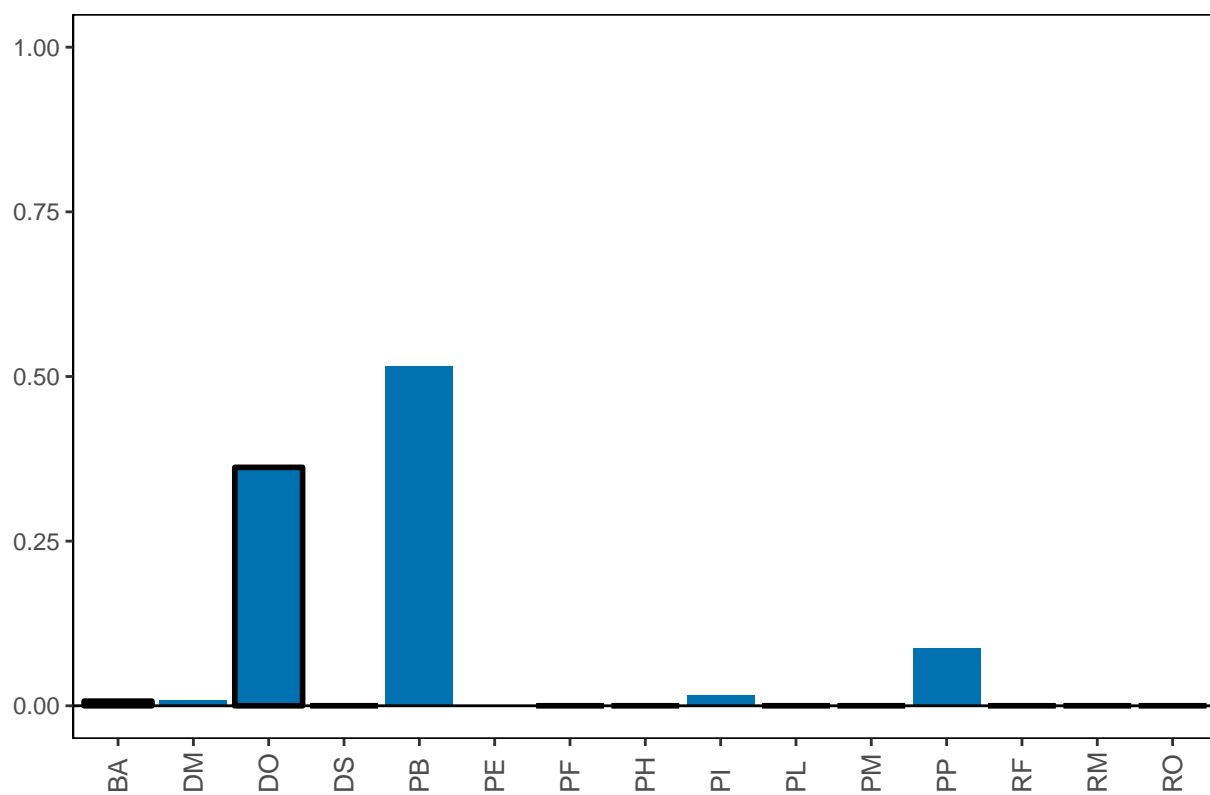


```
##  
## [[3]]
```



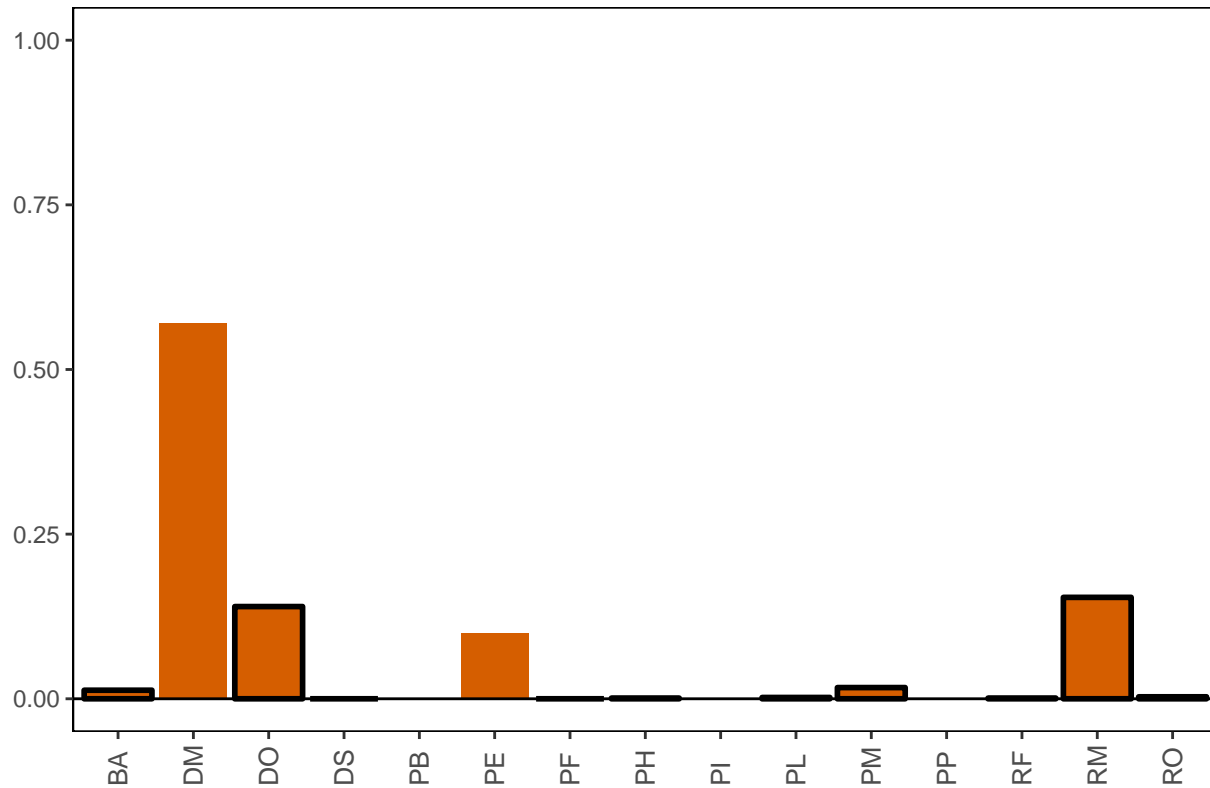
```
##  
## [[4]]
```

Community-type 4



##  
## [[5]]

## Community-type 5



Changepoint model:

	Mean	Median	Lower	Upper	SD	MCMCerr	AC10	ESS
## Changepoint_1	146.59	145	108	193	20.67	0.2077	0.1130	1173.4583
## Changepoint_2	266.10	259	233	313	23.59	0.2371	0.1794	716.1593

Here are some more diagnostics:

```
## $acceptance_rates
## [1] 0.6030303 0.8361616 0.9162626 0.9341414 0.9427273 0.9430303
##
## $swapping_rates
## [1] 0.3097980 0.5561616 0.7623232 0.8917172 0.9348485
##
## $strip_counts
## [1] 133 122 155 151 139 143
##
## $strip_rates
## [1] 0.01343434 0.01232323 0.01565657 0.01525253 0.01404040 0.01444444
```