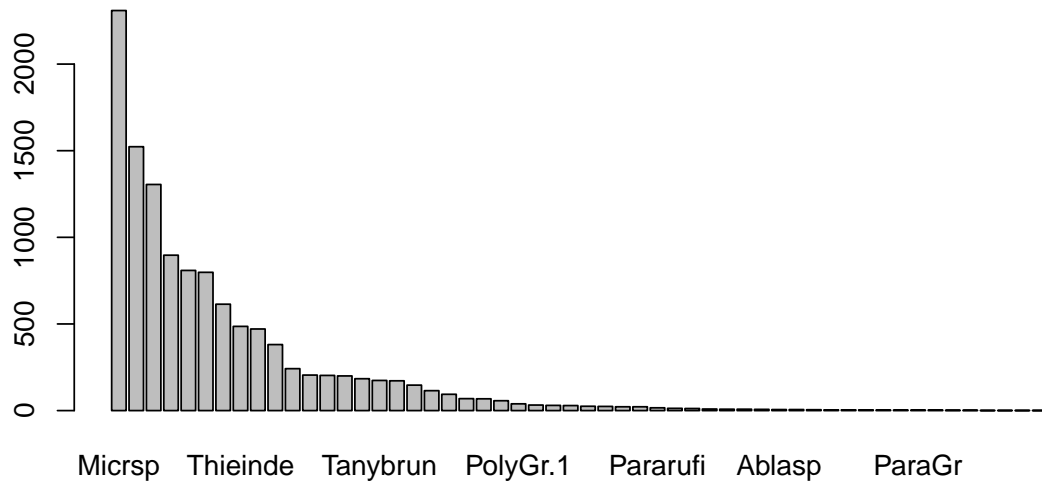


## Procvičování 12 - výsledky

1. Naimportujte data...
2. Vytvořte zkratky...

```
## Loading required package: permute
## Loading required package: lattice
## This is vegan 2.0-10
```

3. Rank abundance plot.



4. Jedinci v podčeledích.

##	Diamesinae	Chironominae	Orthoclaadiinae	Prodiamesinae	Tanypodinae
##	58	4929	6189	147	545

5. Dataframe *subfam*.

##	froude	chir	orth	tanypod
## s01	0.139193	41	92	6
## s02	0.175951	64	323	18
## s03	0.140536	55	80	10
## s04	0.046165	55	110	18
## s05	0.051925	100	327	62
## s06	0.070242	134	405	65

```

## s07 0.296715 19 232 7
## s08 0.427528 5 141 0
## s09 0.329023 14 202 3
## s10 0.407331 22 187 0
## s11 0.219511 14 163 3
## s12 0.522477 149 297 1
## s13 0.065500 378 102 83
## s14 0.181655 38 109 3
## s15 0.299809 337 368 17
## s16 0.167799 7 114 1
## s17 0.135520 13 226 4
## s18 0.242733 103 452 3
## s19 0.039662 47 135 16
## s20 0.476675 57 139 21
## s21 0.507082 195 1227 2
## s22 0.134698 49 59 13
## s23 0.127380 47 92 6
## s24 0.558432 268 395 6
## s25 0.539509 14 31 1
## s26 0.001813 2530 107 139
## s27 0.020319 174 74 37

```

## 6. Dataframe *subfam* s proměnnou *hab*.

```

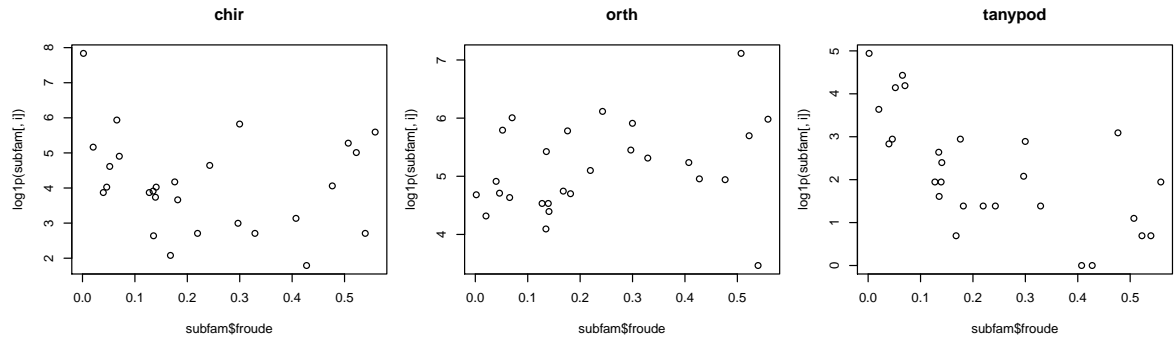
##      froude chir orth tanypod hab
## s01 0.139193 41 92 6 P
## s02 0.175951 64 323 18 P
## s03 0.140536 55 80 10 P
## s04 0.046165 55 110 18 OM
## s05 0.051925 100 327 62 OM
## s06 0.070242 134 405 65 OM
## s07 0.296715 19 232 7 R
## s08 0.427528 5 141 0 R
## s09 0.329023 14 202 3 R
## s10 0.407331 22 187 0 VEG
## s11 0.219511 14 163 3 VEG
## s12 0.522477 149 297 1 VEG
## s13 0.065500 378 102 83 OM
## s14 0.181655 38 109 3 P
## s15 0.299809 337 368 17 VEG
## s16 0.167799 7 114 1 P
## s17 0.135520 13 226 4 P
## s18 0.242733 103 452 3 VEG
## s19 0.039662 47 135 16 P
## s20 0.476675 57 139 21 R
## s21 0.507082 195 1227 2 VEG
## s22 0.134698 49 59 13 P
## s23 0.127380 47 92 6 P
## s24 0.558432 268 395 6 VEG
## s25 0.539509 14 31 1 R

```

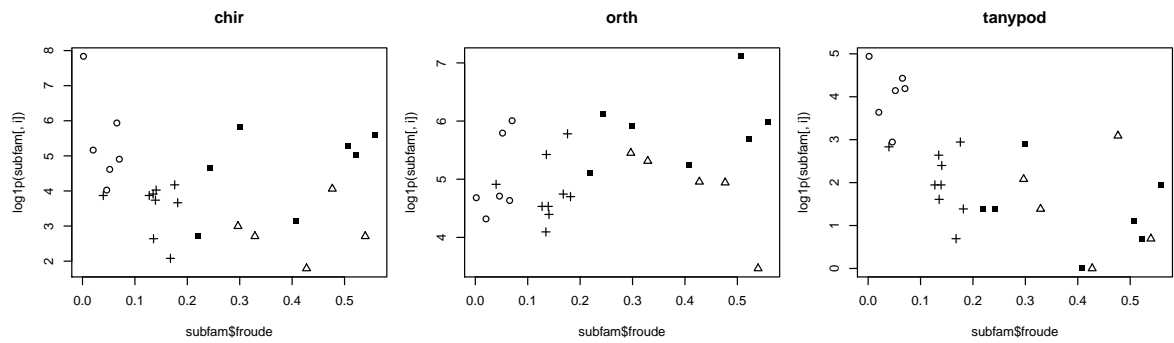
```
## s26 0.001813 2530 107 139 OM
## s27 0.020319 174 74 37 OM
```

7. Rozdělte si grafické okno na 3 oddíly.

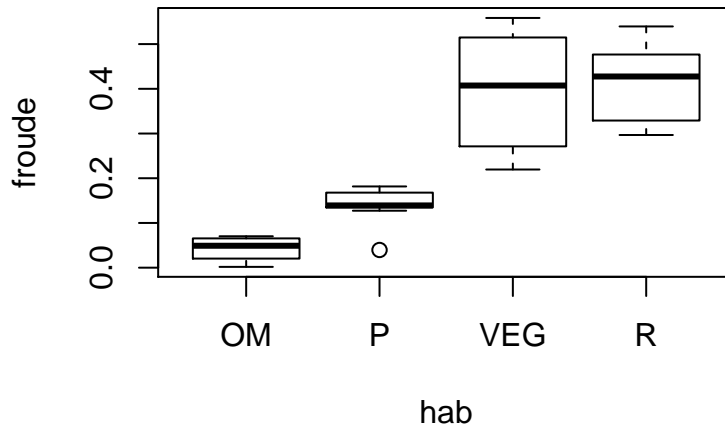
8. Bodový graf abundancí podčeledí proti Froudeho číslu.



9. Bodový graf abundancí podčeledí proti Froudeho číslu s odlišenými habitaty.



10. Seřadte úrovně faktoru *hab*.



## 11. Boxplot abundancí podčeledí proti habitatu.

