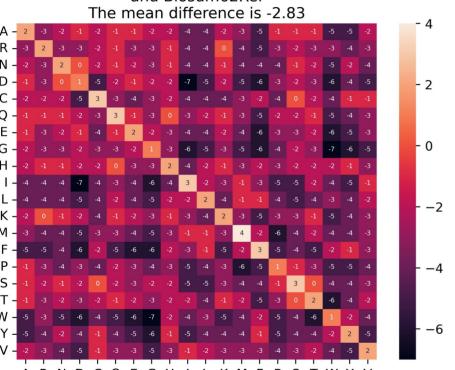
## Recalcul de Blosum avec pid et clustering corrigés

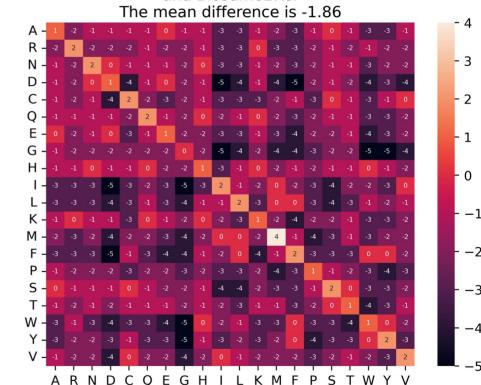
#### Variante blosum62 (5min)

#### Variante blosum50 (20min)



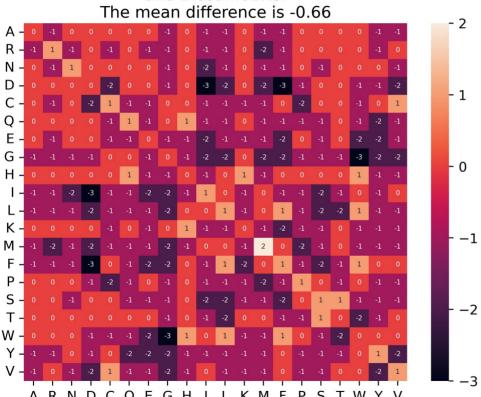


Heatmap of the difference in Score between Blosum(Pfam\_train) and Blosum62Ref



#### Variante blosum30 (1,5h)

Heatmap of the difference in Score between Blosum(Pfam\_train) and Blosum62Ref

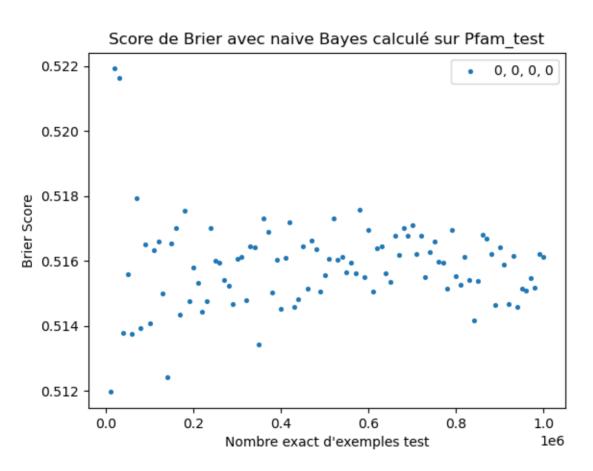


#### Variante blosum0

### Recalcul de Scores de Brier avec Bayes Naif

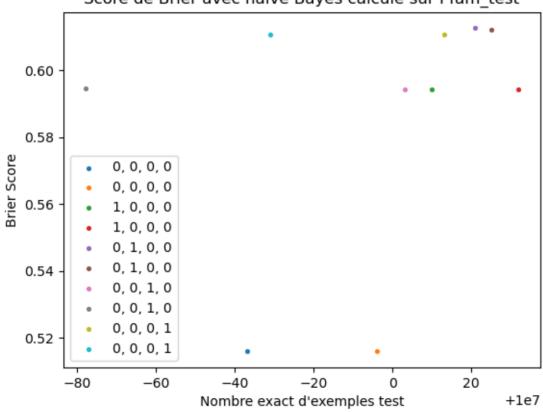
(avec pid = 62, temps de calcul 13min)

#### Stabilisation du Score (test de 10m à 1M d'exemples)



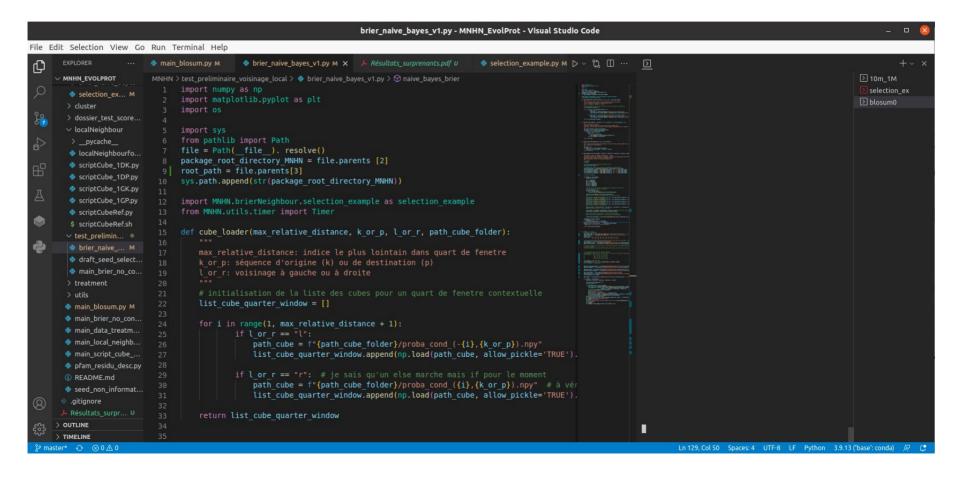
#### Sur 10M d'exemples demandés





## ANNEXES

## Prob affichage/ veille



# Temps clustering 99 % Pfam et Pfam en sortie de traitement

```
99.99490627546862, PF17407.5
---> time redundant: 2.03332 s
100.0, PF02713.17
---> time redundant: 0.02593 s
---> Compute and save non-redundant files: 59154.88105 s
nbre seed: 19 632.00
nbre seq: 1 235 590.00
nbre position: 4 448 999.00
total character: 346 322 402.00
total character included: 192 394 396.00
mean len seq: 155.71
mean nbre seq: 62.94
---> Split data total in data A and data B: 2.01514 s
(base) pauline@abiboom:~/MNHN_EvolProt$
```