Figure 1

![Figure 1](image-url)
Figure 2

A  Standard Bootstrap

B  Bayesian Bootstrap

Coverage

Frequency at 0.01 EPQ

EPQ

No normalization  Linear normalization  Quadratic Normalization

0  0.1  0.2  0.3  0.4  0.5  0.6

0  0.1  0.2  0.3  0.4  0.5  0.6
Figure 3

BLOSUM
Gap Extension Penalty = 1

PAM
Gap Extension Penalty = 2

VTML
Gap Extension Penalty = 1

Blocks 13+ BLOSUM
Gap Extension Penalty = 1
Figure 4

A

B

C

VTML vs BLOSUM
Blocks vs PAM

Coverage Difference