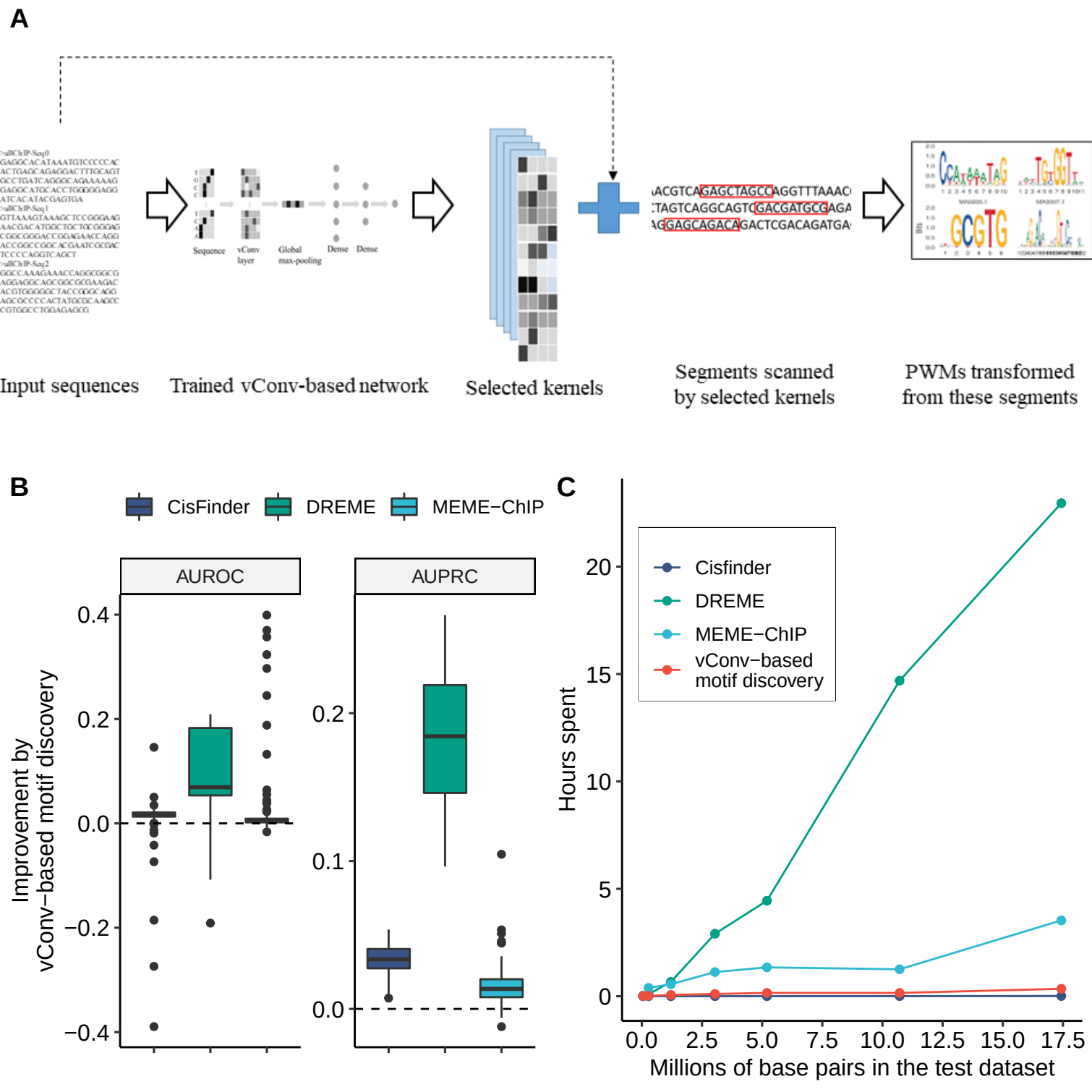
A
Sequence
vConv layer
Global max-pooling
Dense
Dense
Input sequences
Trained vConv-based network
Selected kernels
Segments scanned by selected kernels
PWMs transformed from these segments
B
CisFinder
DREME
MEME−ChIP
AUROC
AUPRC
Improvement by vConv−based motif discovery
C
Cisfinder
DREME
MEME−ChIP
vConv−based motif discovery
Hours spent
Millions of base pairs in the test dataset