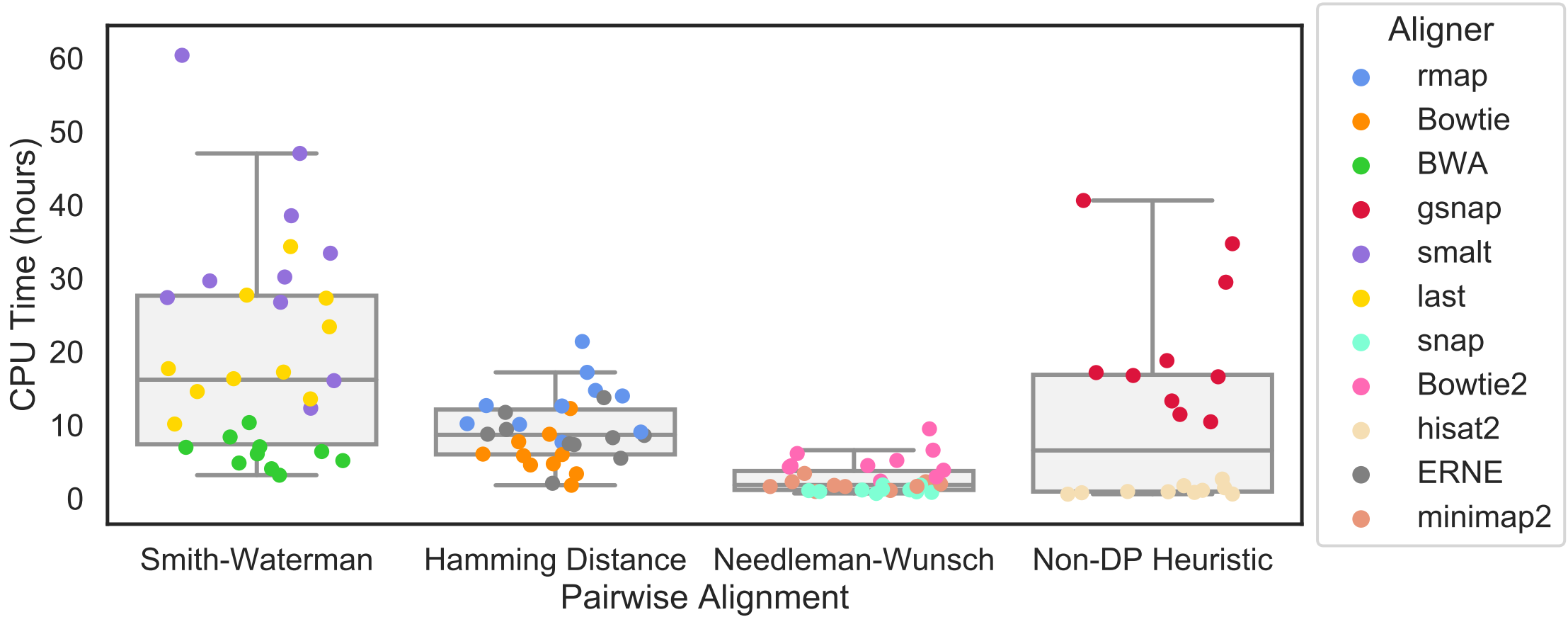
CPU Time (hours)
60
50
40
30
20
10
0
Smith-Waterman
Hamming Distance
Needleman-Wunsch
Non-DP Heuristic
Pairwise Alignment
Aligner
rmap
Bowtie
BWA
gsnap
smalt
last
snap
Bowtie2
hisat2
ERNE
minimap2