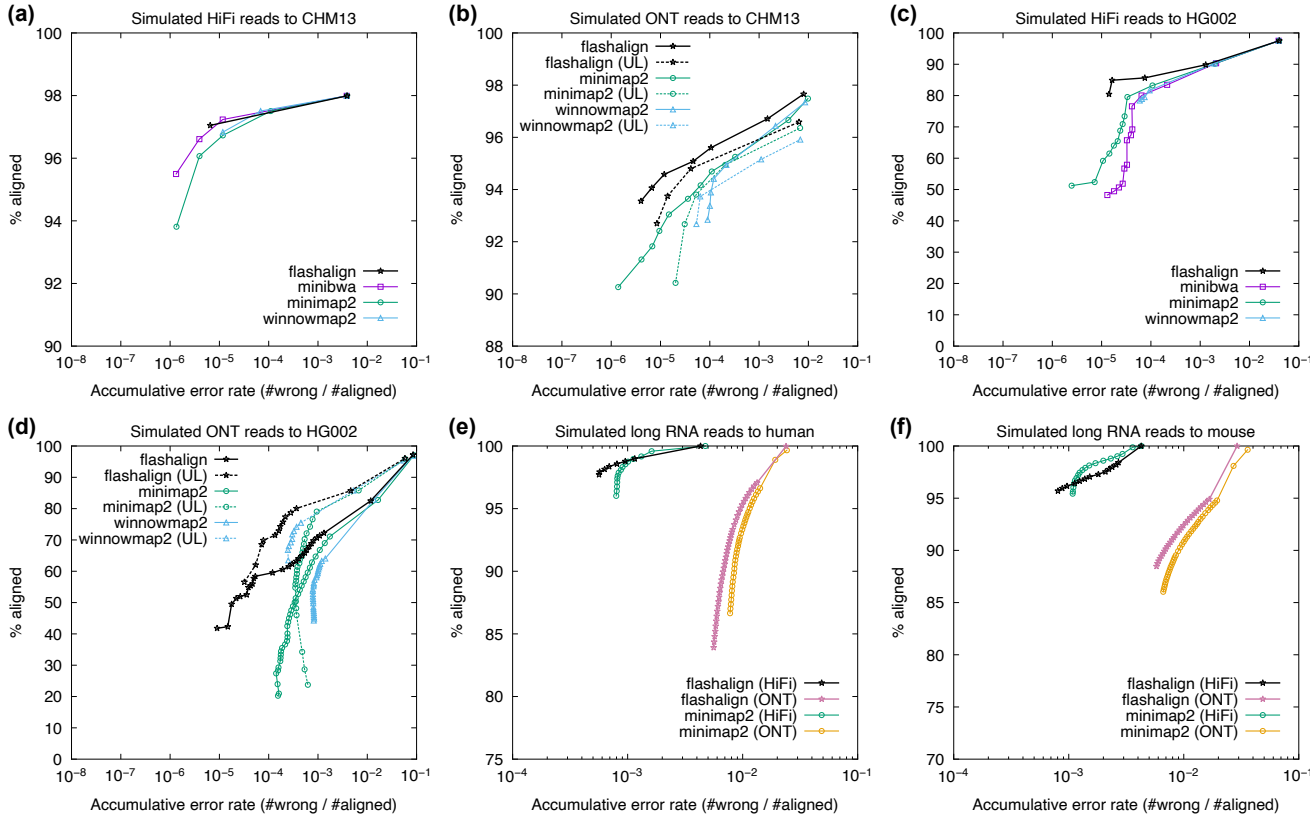

(a)
Simulated HiFi reads to CHM13
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign
minibwa
minimap2
winnowmap2
(b)
Simulated ONT reads to CHM13
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign
flashalign (UL)
minimap2
minimap2 (UL)
winnowmap2
winnowmap2 (UL)
(c)
Simulated HiFi reads to HG002
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign
minibwa
minimap2
winnowmap2
(d)
Simulated ONT reads to HG002
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign
flashalign (UL)
minimap2
minimap2 (UL)
winnowmap2
winnowmap2 (UL)
(e)
Simulated long RNA reads to human
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign (HiFi)
flashalign (ONT)
minimap2 (HiFi)
minimap2 (ONT)
(f)
Simulated long RNA reads to mouse
% aligned
Accumulative error rate (#wrong / #aligned)
flashalign (HiFi)
flashalign (ONT)
minimap2 (HiFi)
minimap2 (ONT)