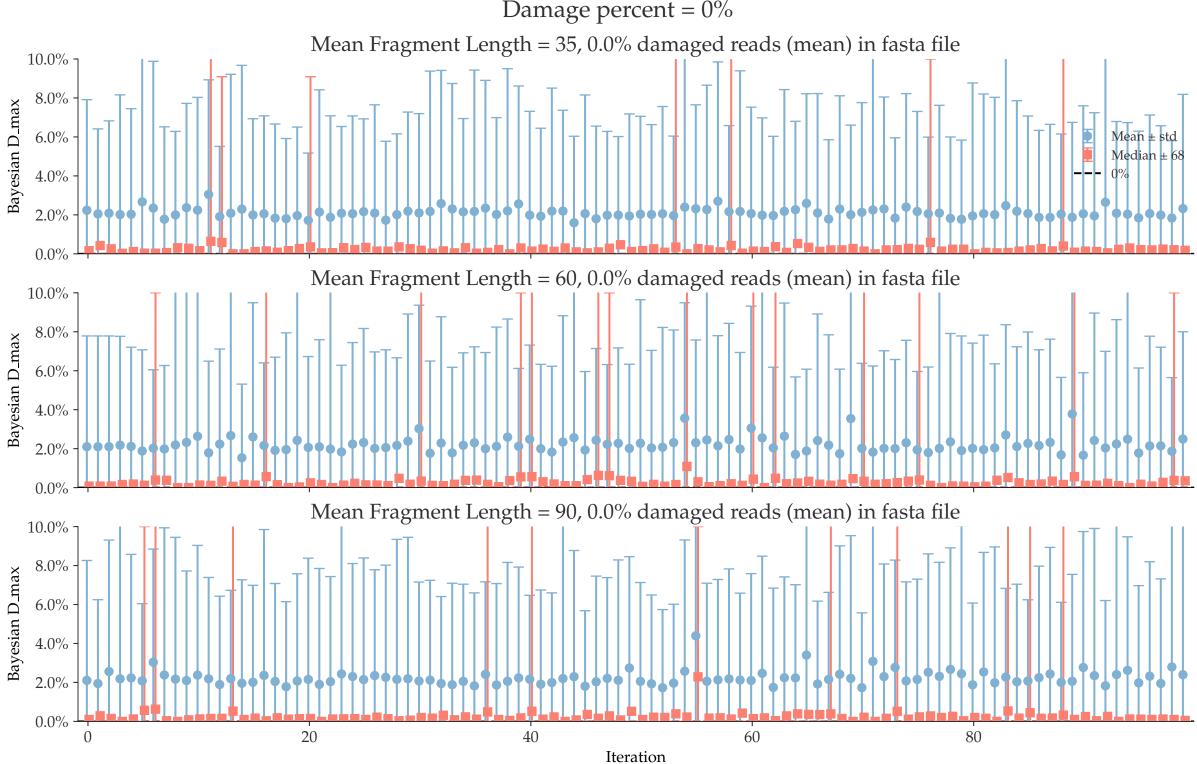
Bayesian D_max
Individual damages:
10 reads
Briggs damage = 0.0
Damage percent = 0%

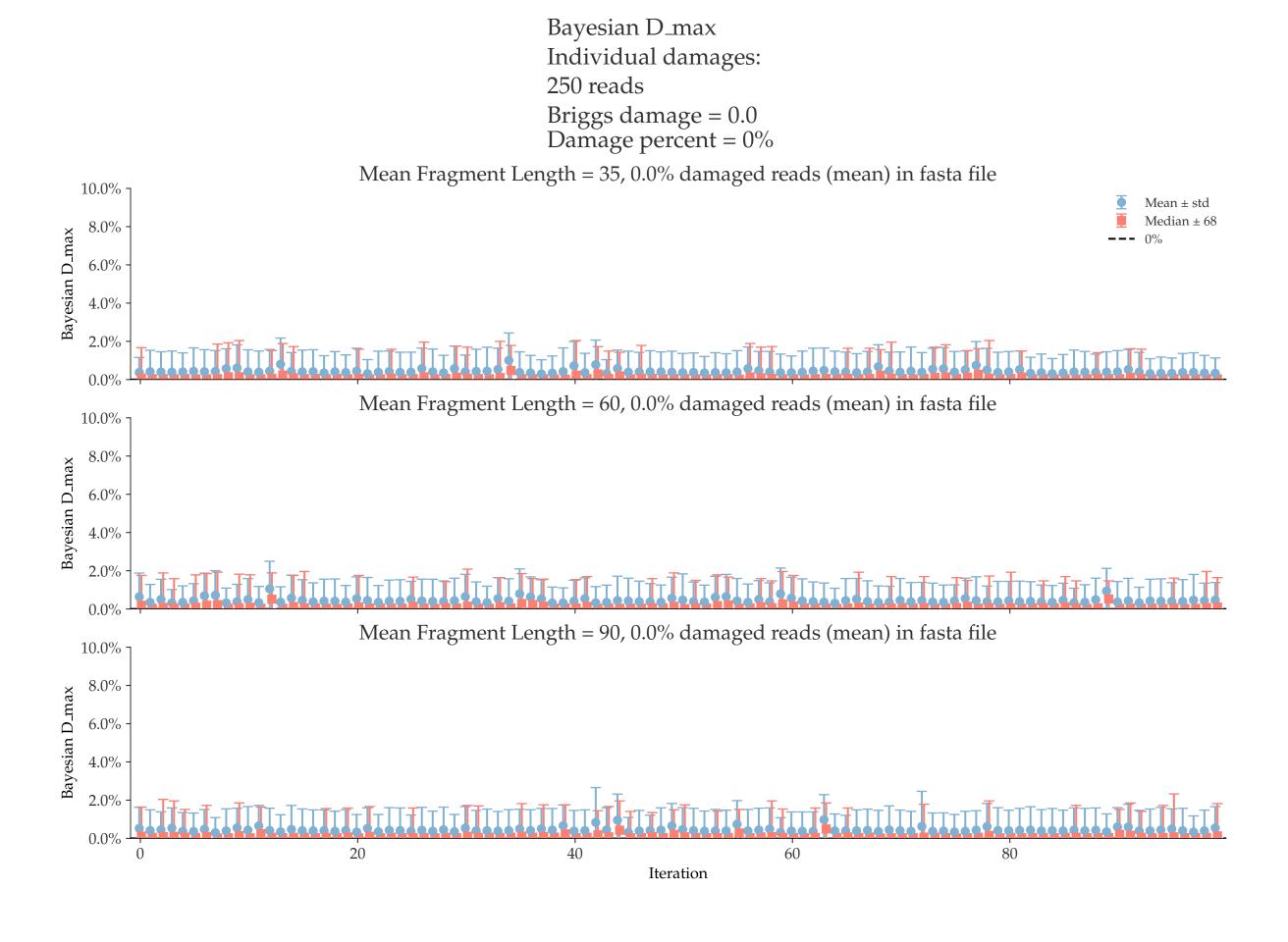


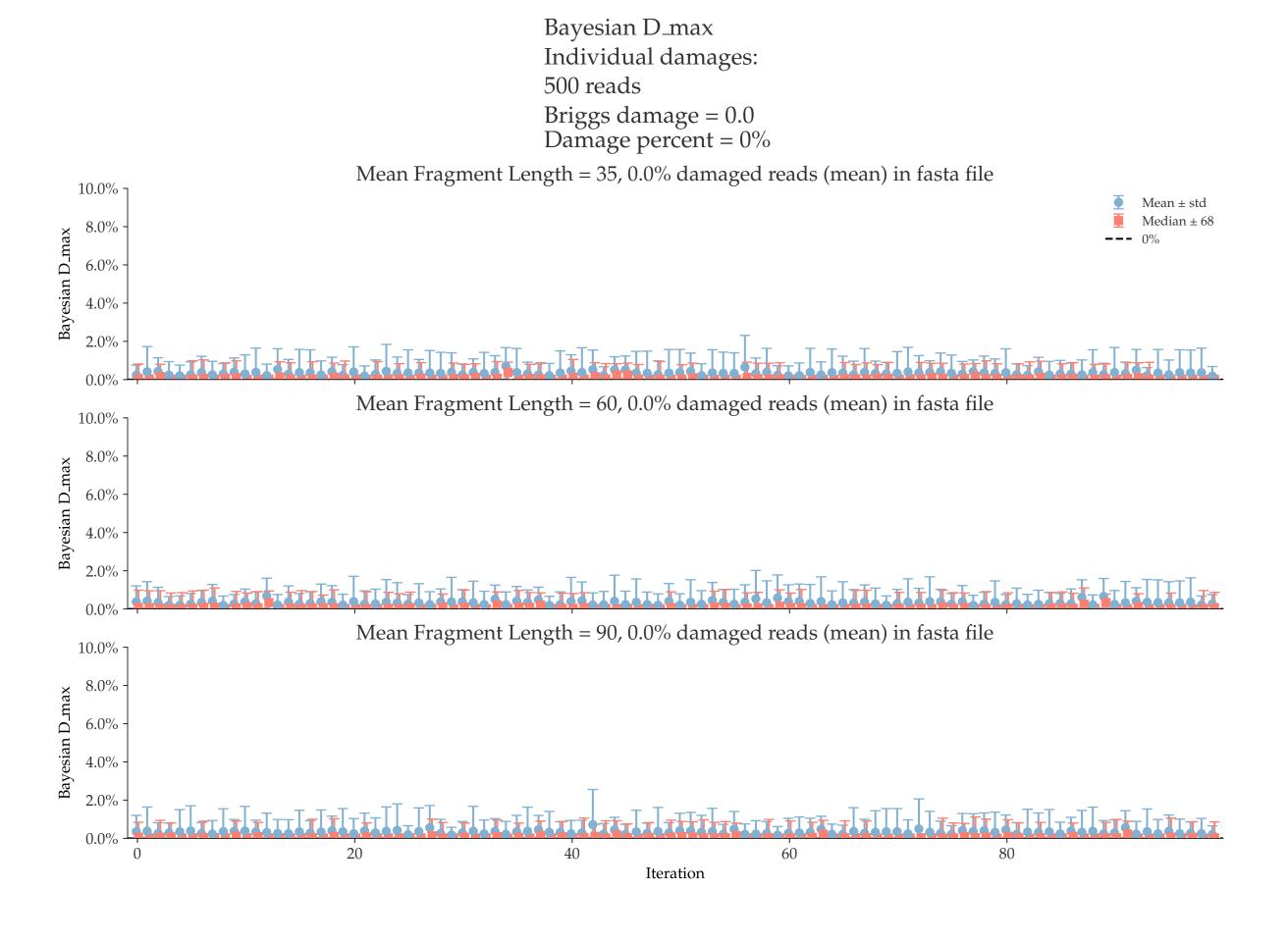
Bayesian D_max Individual damages: 25 reads Briggs damage = 0.0 Damage percent = 0%

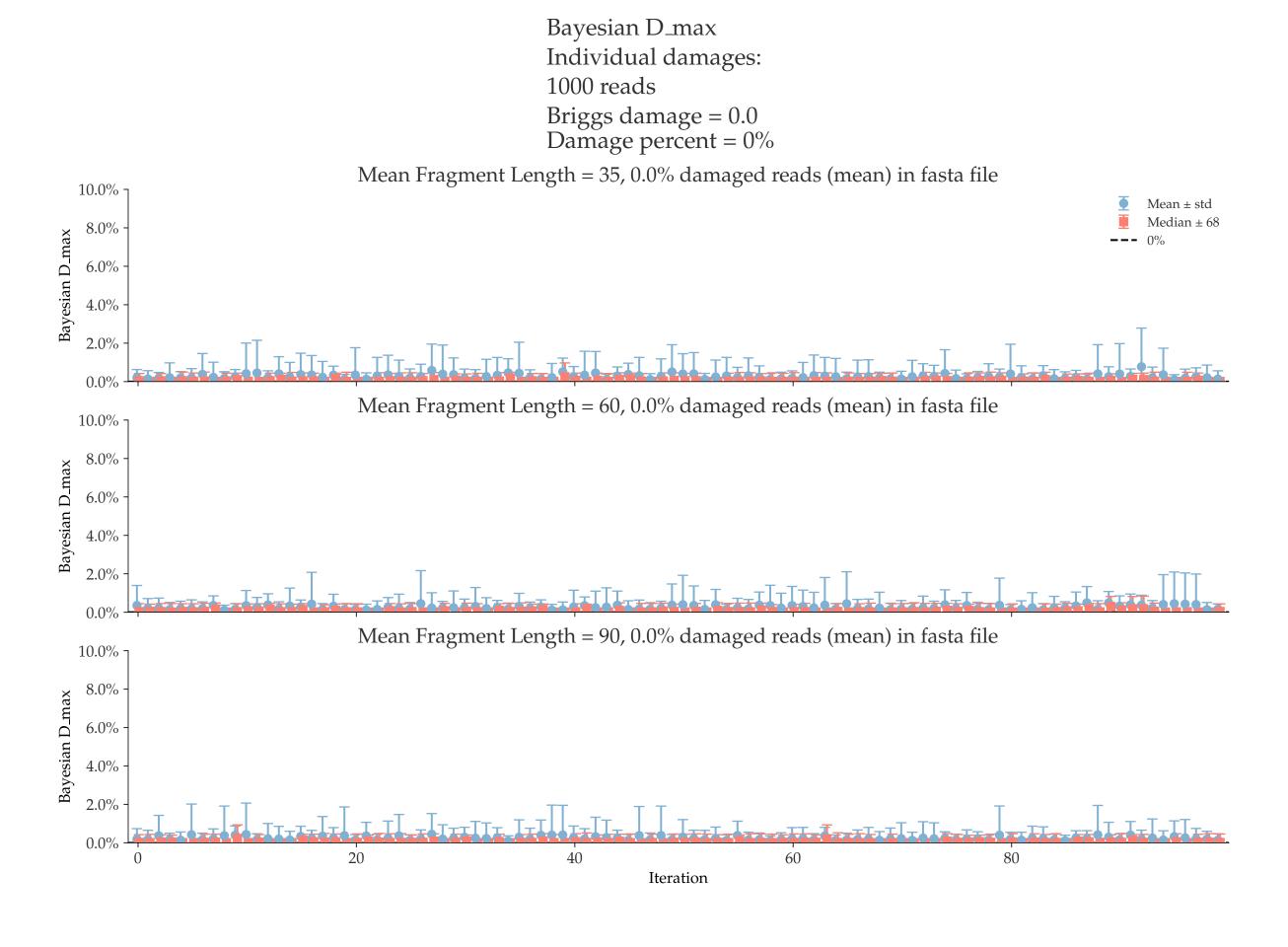


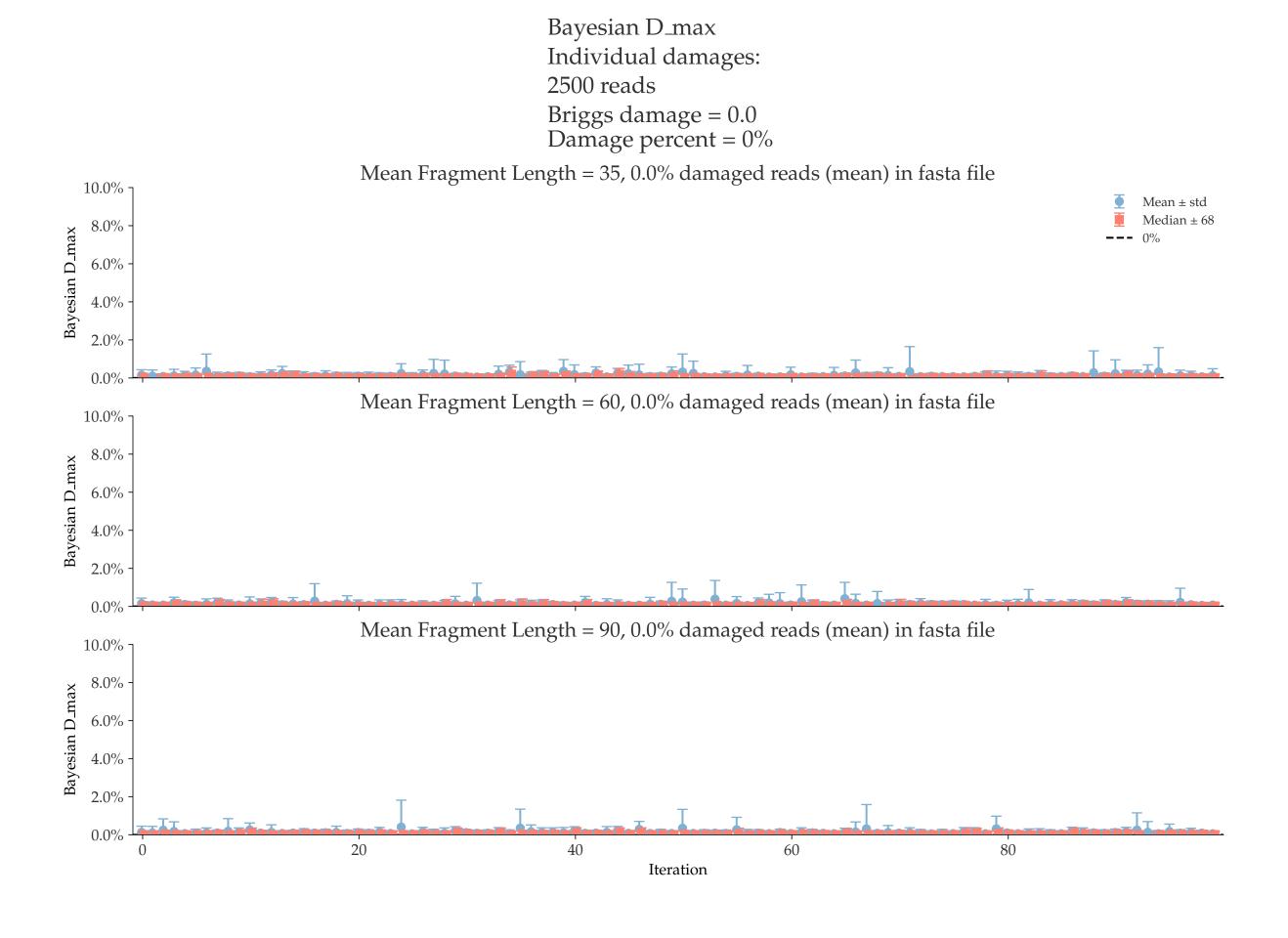
Individual damages: 50 reads Briggs damage = 0.0 Damage percent = 0% Mean Fragment Length = 35, 0.0% damaged reads (mean) in fasta file 10.0% Mean \pm std Median \pm 68 8.0% Bayesian D_max 6.0% 2.0% 0.0% Mean Fragment Length = 60, 0.0% damaged reads (mean) in fasta file 10.0% -8.0% Bayesian D_max 0.0% Mean Fragment Length = 90, 0.0% damaged reads (mean) in fasta file 10.0% 8.0% Bayesian D_max 2.0% 0.0% 20 40 60 80 0 Iteration

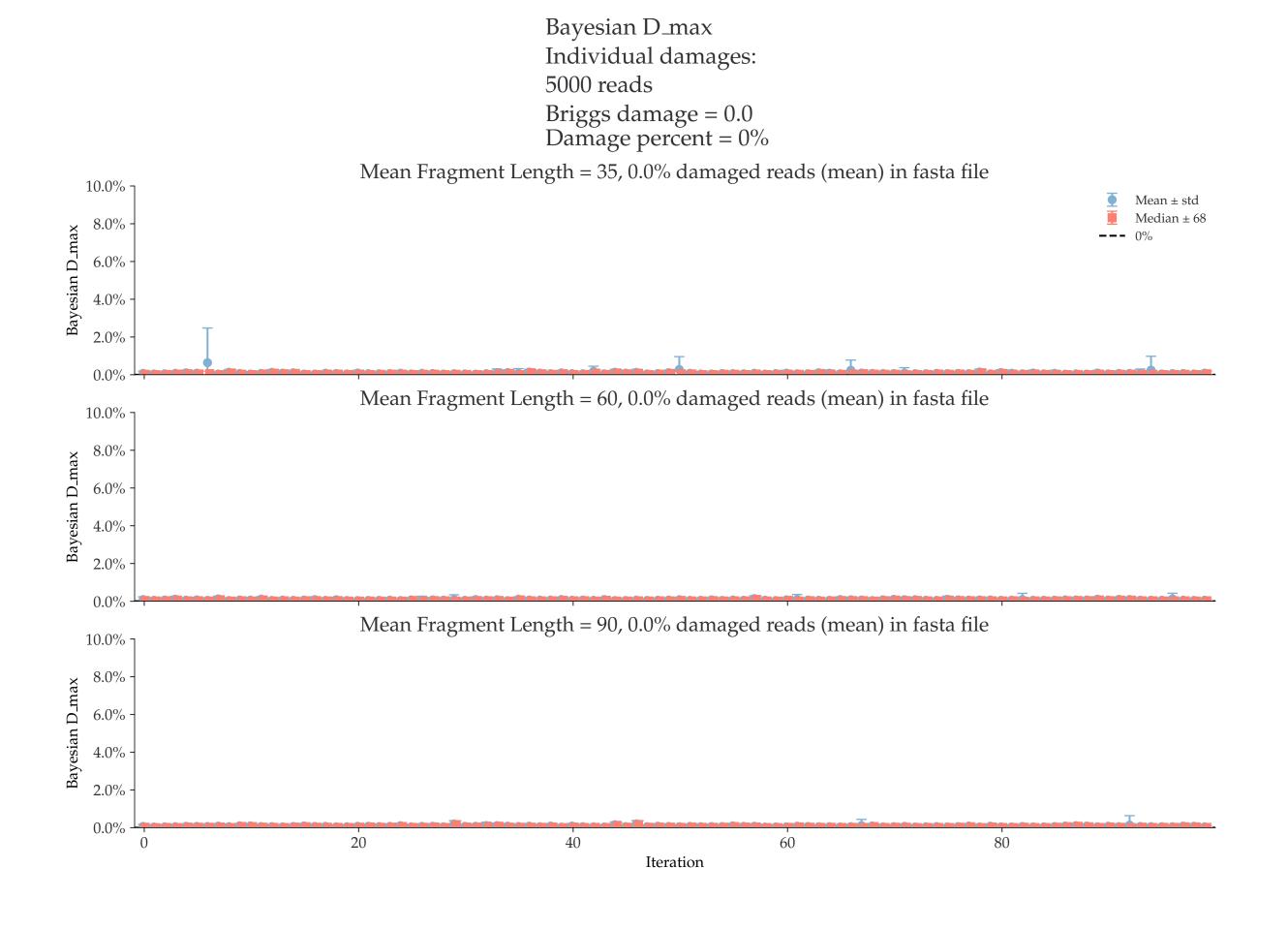
Bayesian D_max Individual damages: 100 reads Briggs damage = 0.0 Damage percent = 0% Mean Fragment Length = 35, 0.0% damaged reads (mean) in fasta file 10.0% Mean \pm std Median \pm 68 8.0% Bayesian D_max 6.0% 4.0% 2.0% 0.0% Mean Fragment Length = 60, 0.0% damaged reads (mean) in fasta file 10.0% -8.0% Bayesian D_max 6.0% 4.0% 0.0% Mean Fragment Length = 90, 0.0% damaged reads (mean) in fasta file 10.0% 8.0% Bayesian D_max 6.0% 2.0% 0.0% 20 40 60 80 Iteration

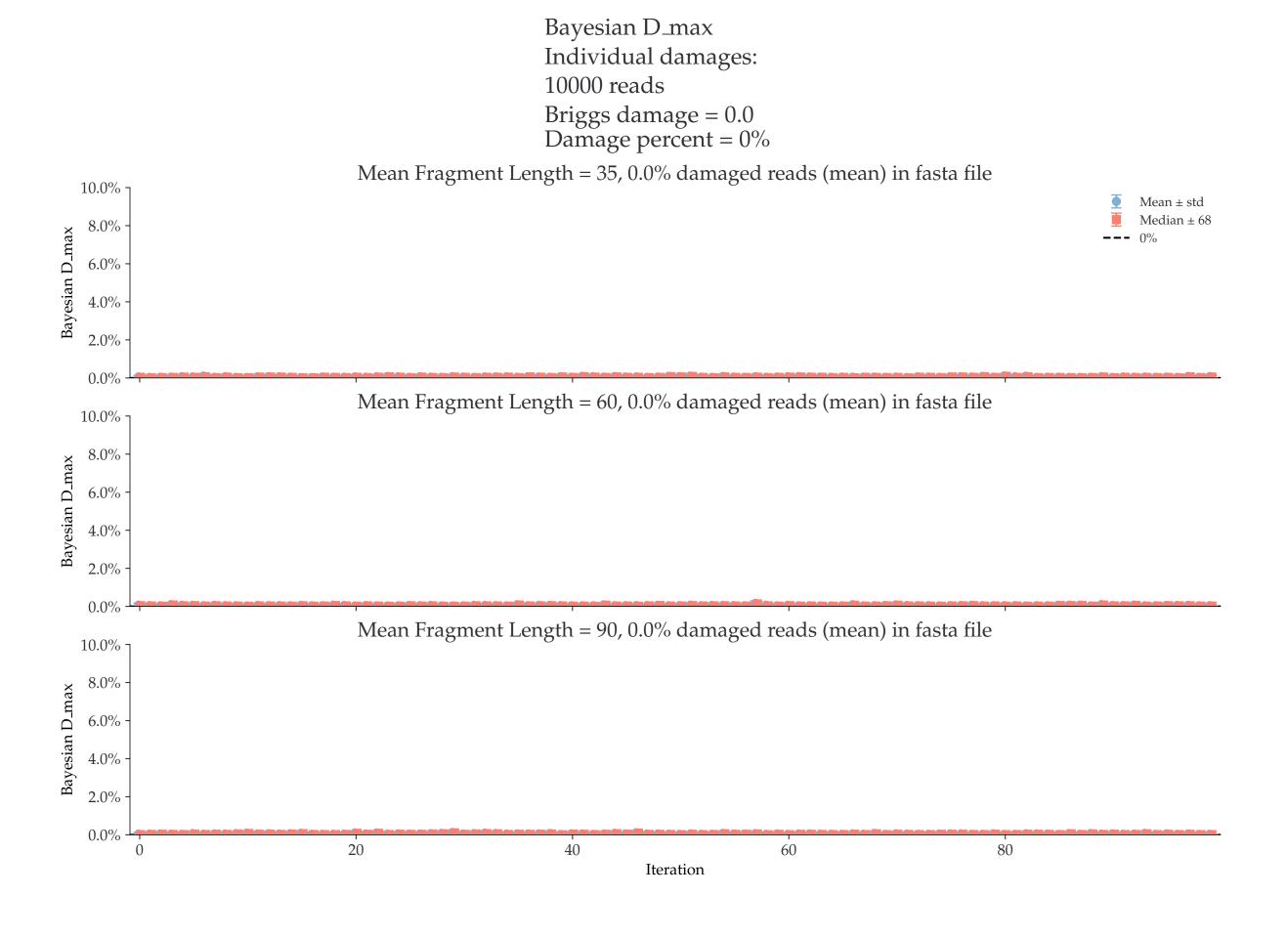


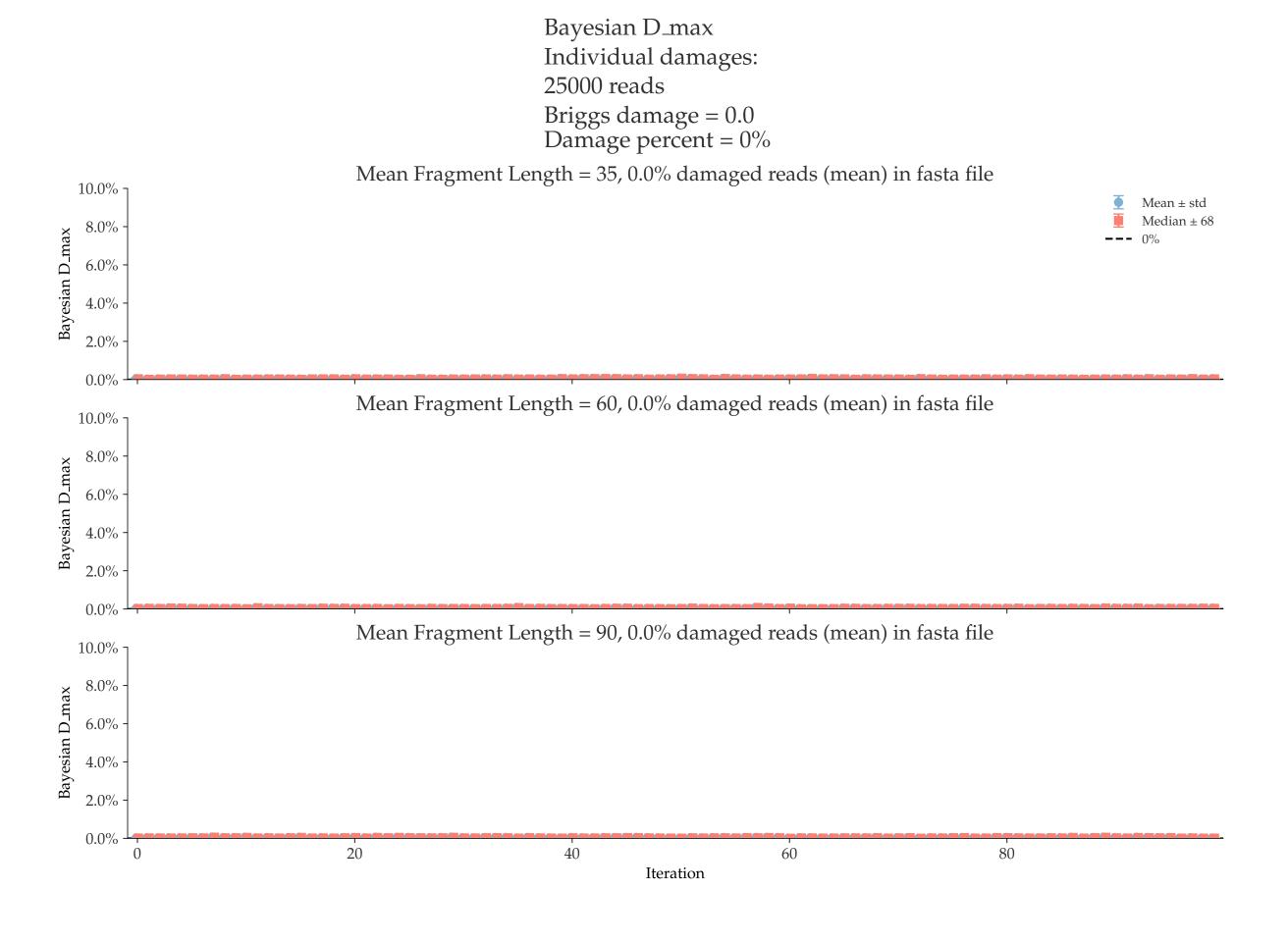


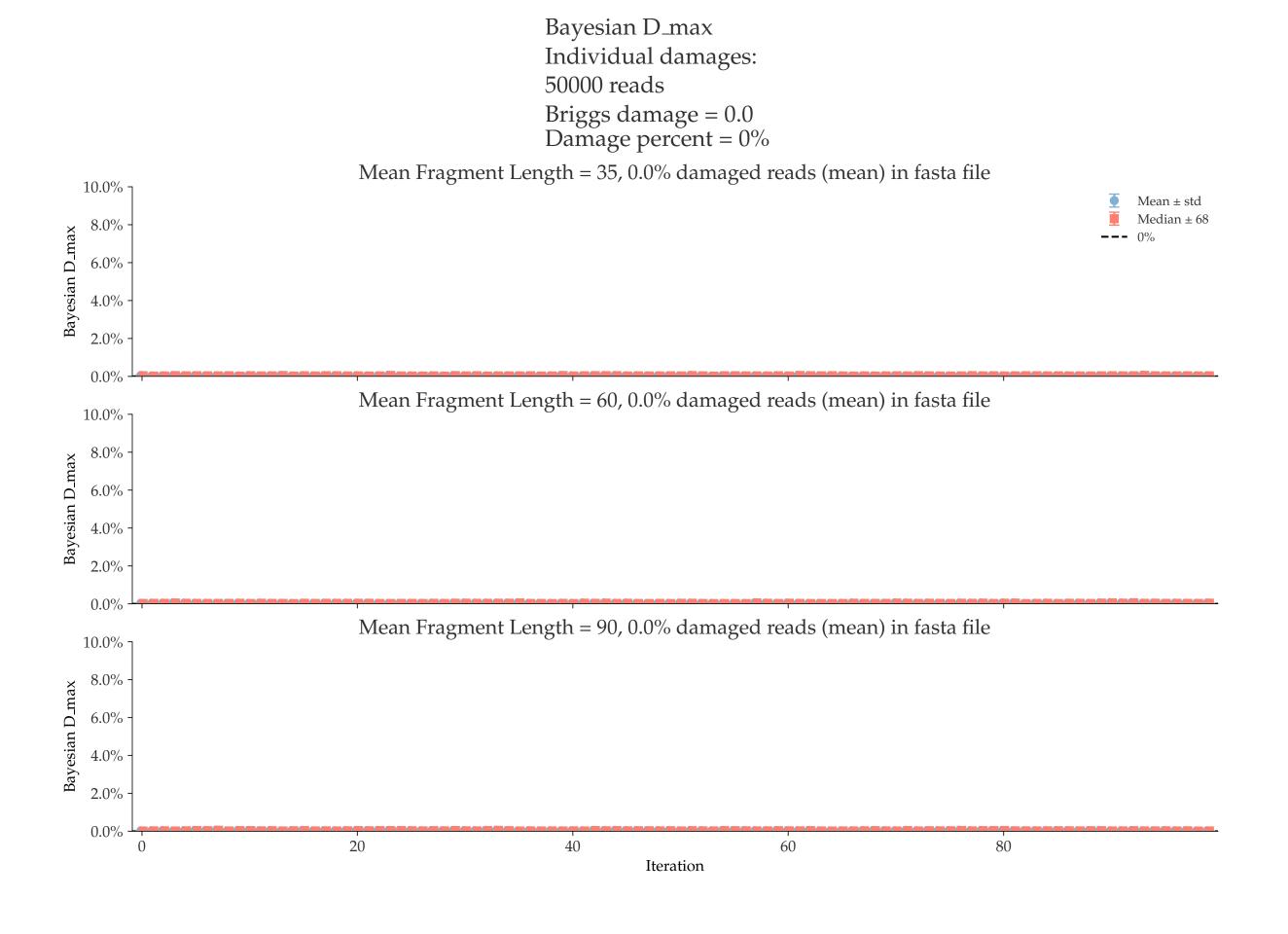


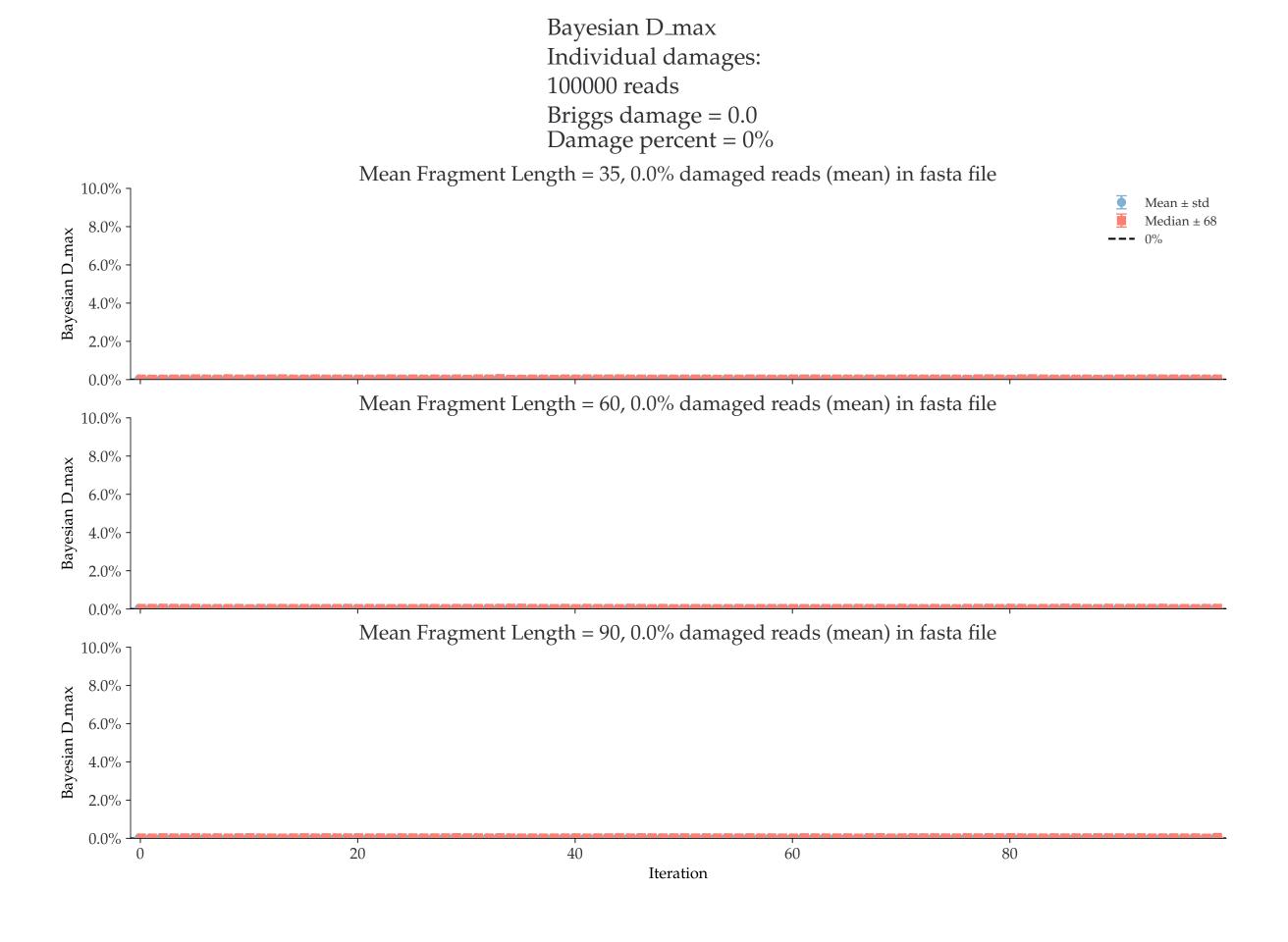




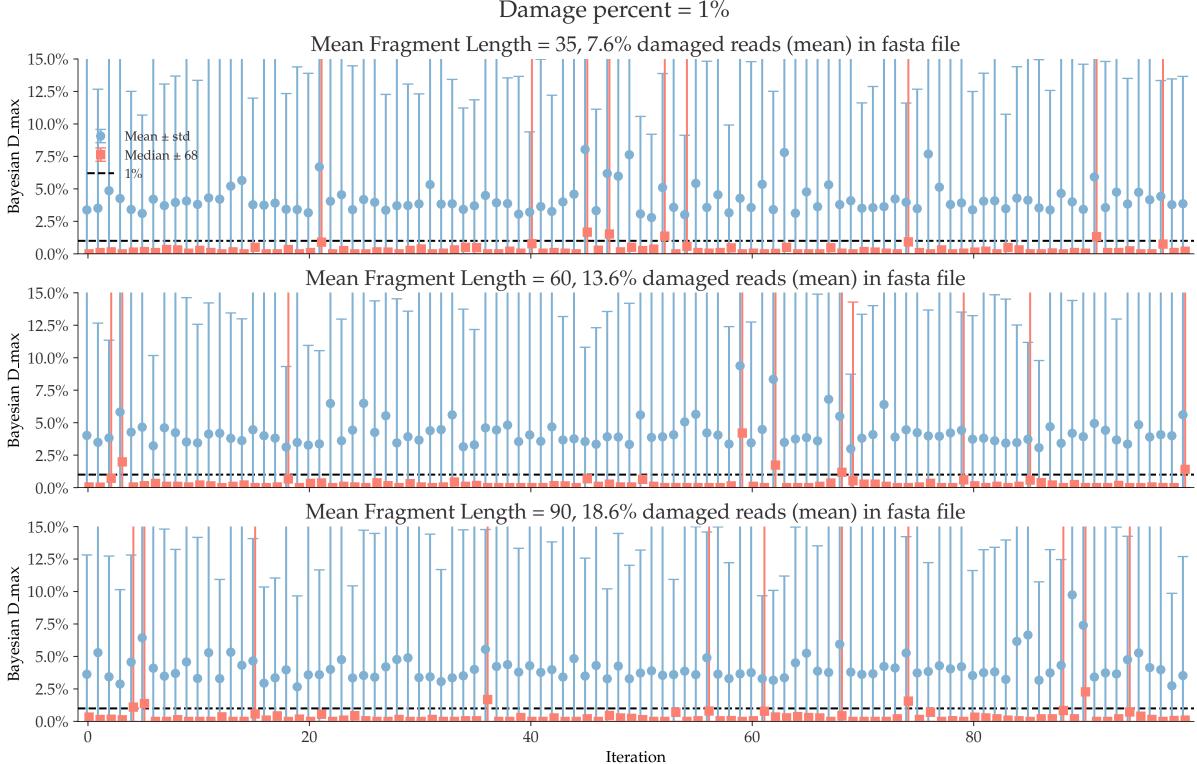




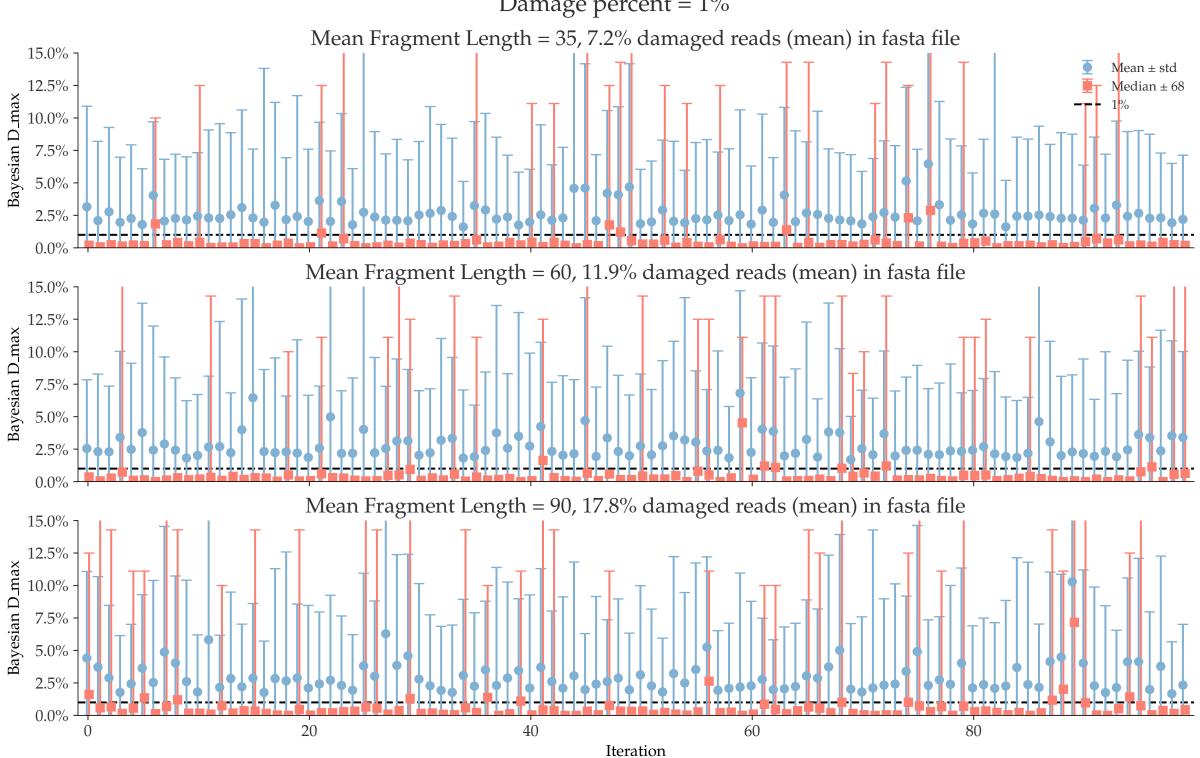




Bayesian D_max
Individual damages:
10 reads
Briggs damage = 0.014
Damage percent = 1%

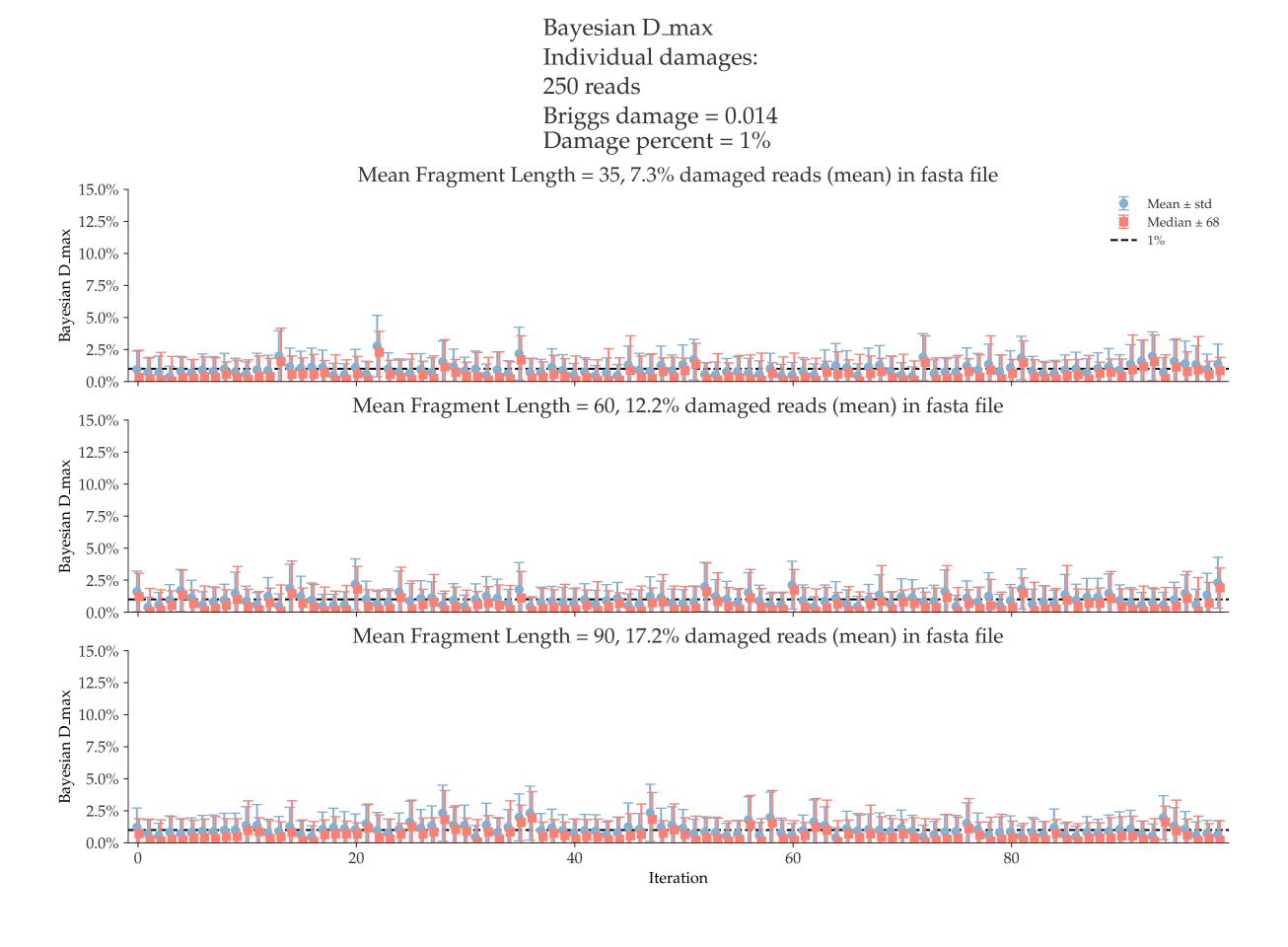


Bayesian D_max Individual damages: 25 reads Briggs damage = 0.014 Damage percent = 1%

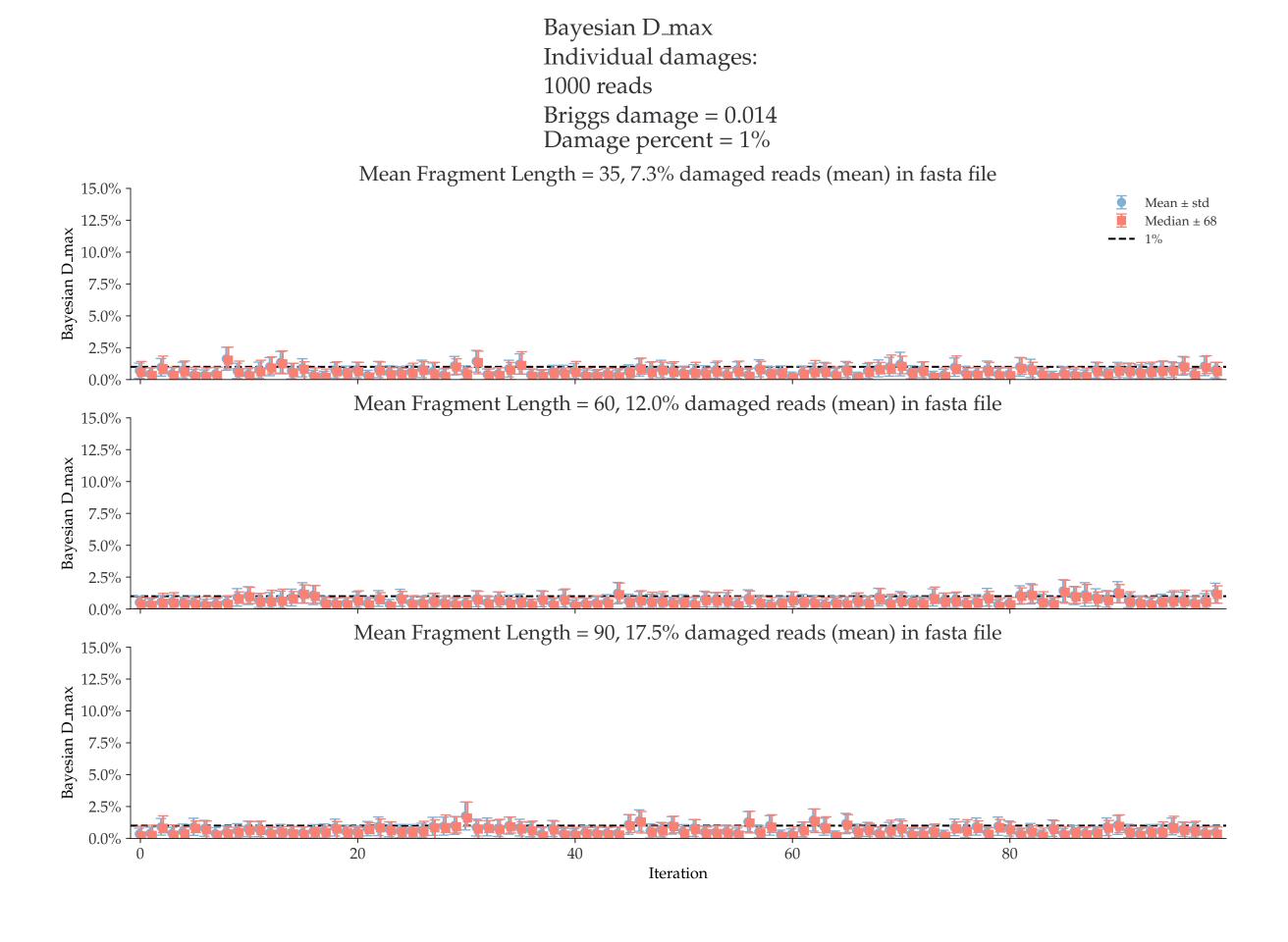


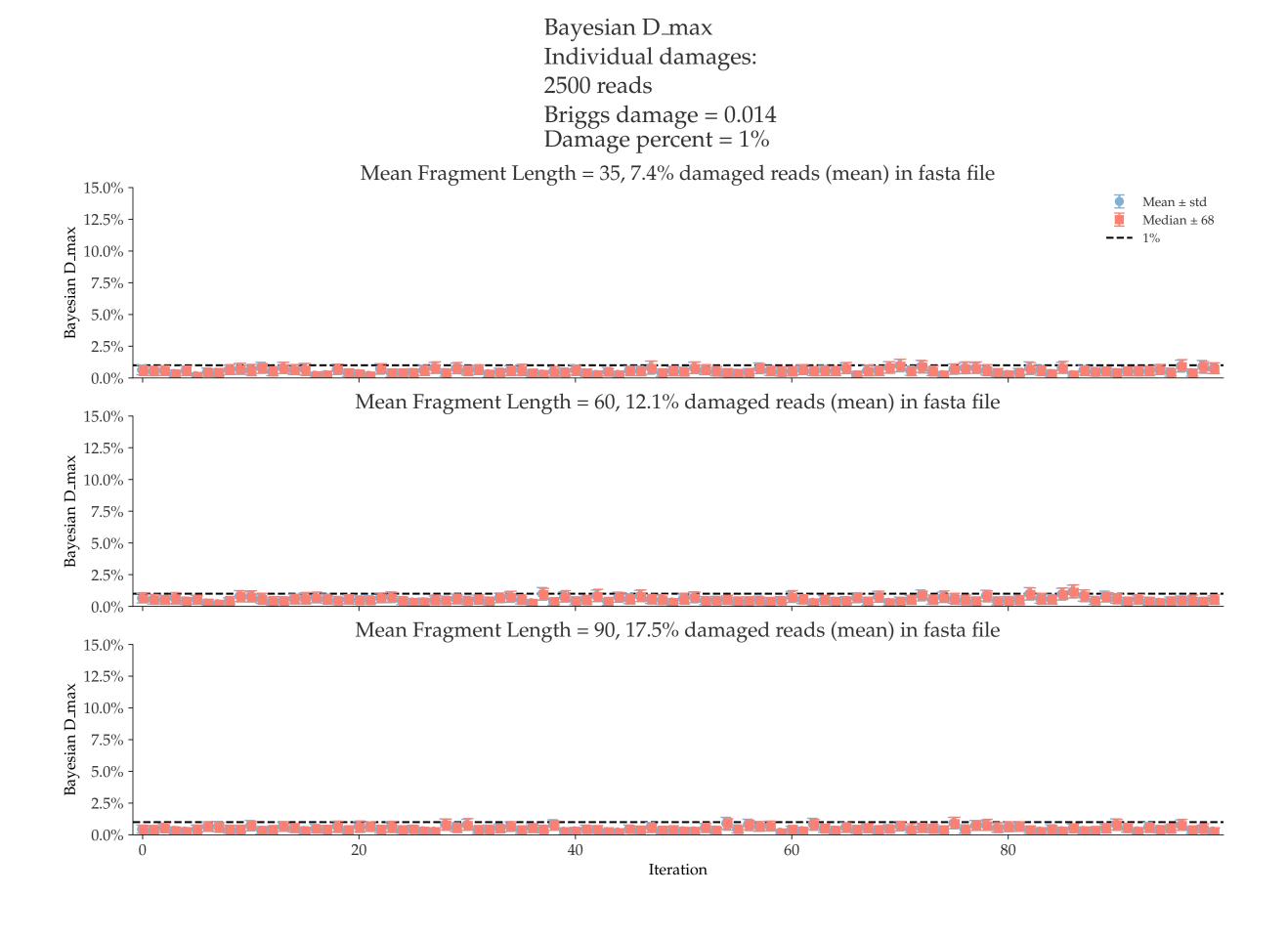
Individual damages: 50 reads Briggs damage = 0.014Damage percent = 1% Mean Fragment Length = 35, 7.3% damaged reads (mean) in fasta file 15.0% Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 5.0% 2.5% 0.0% Mean Fragment Length = 60, 11.8% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 17.6% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

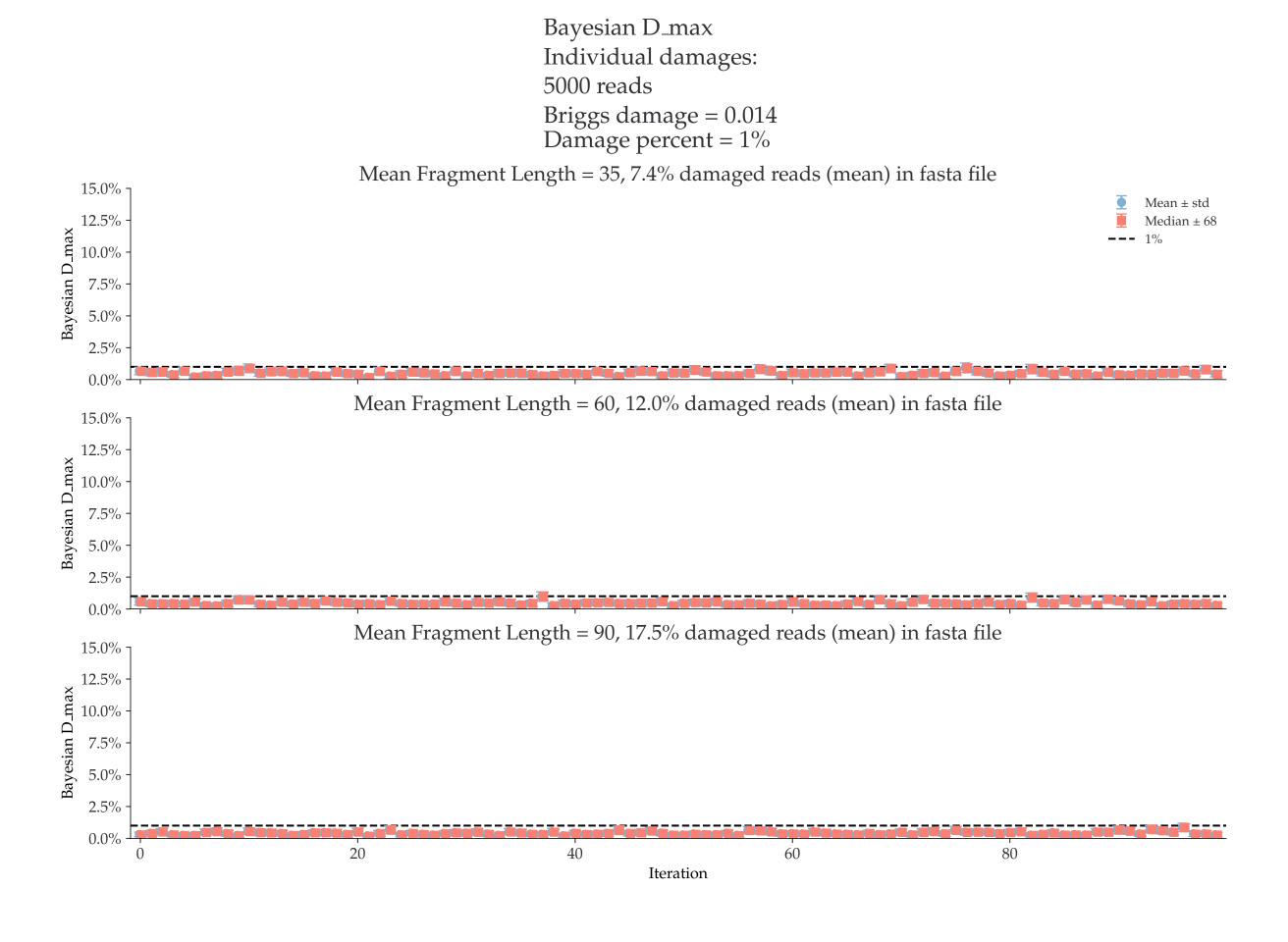
Bayesian D_max Individual damages: 100 reads Briggs damage = 0.014 Damage percent = 1% Mean Fragment Length = 35, 7.0% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 11.8% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 17.2% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 5.0% 2.5% 0.0% 20 80 40 60 Iteration

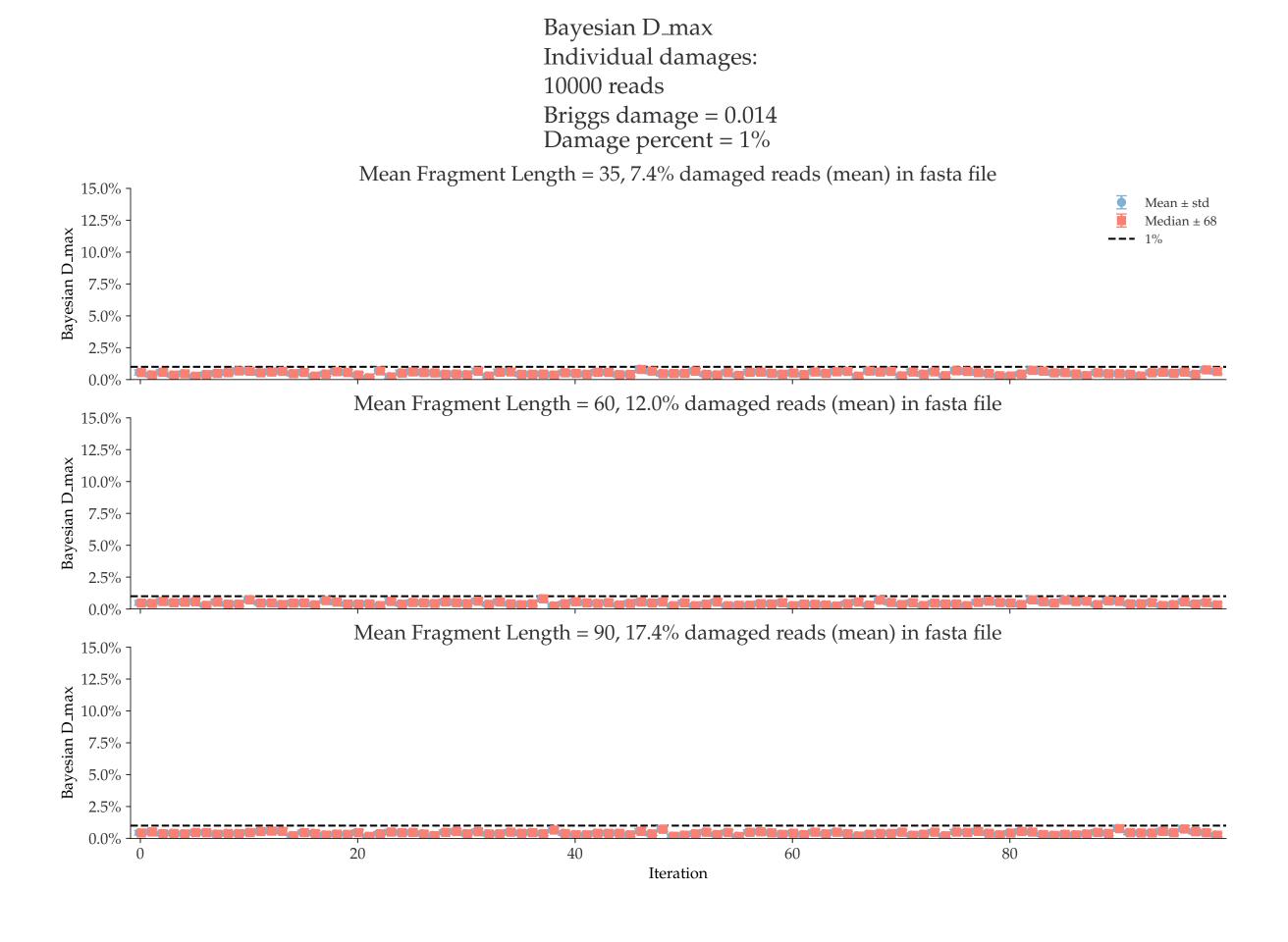


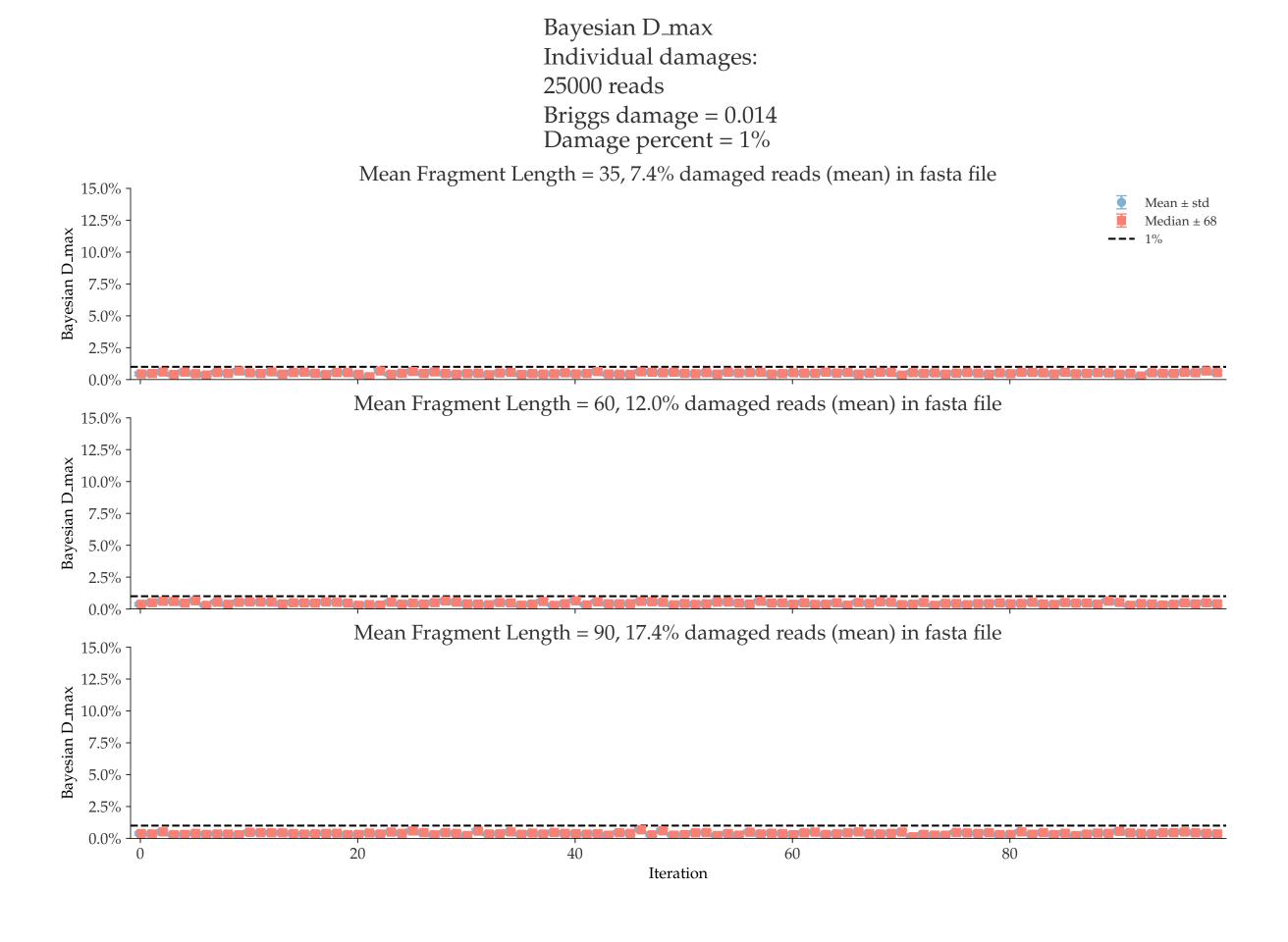


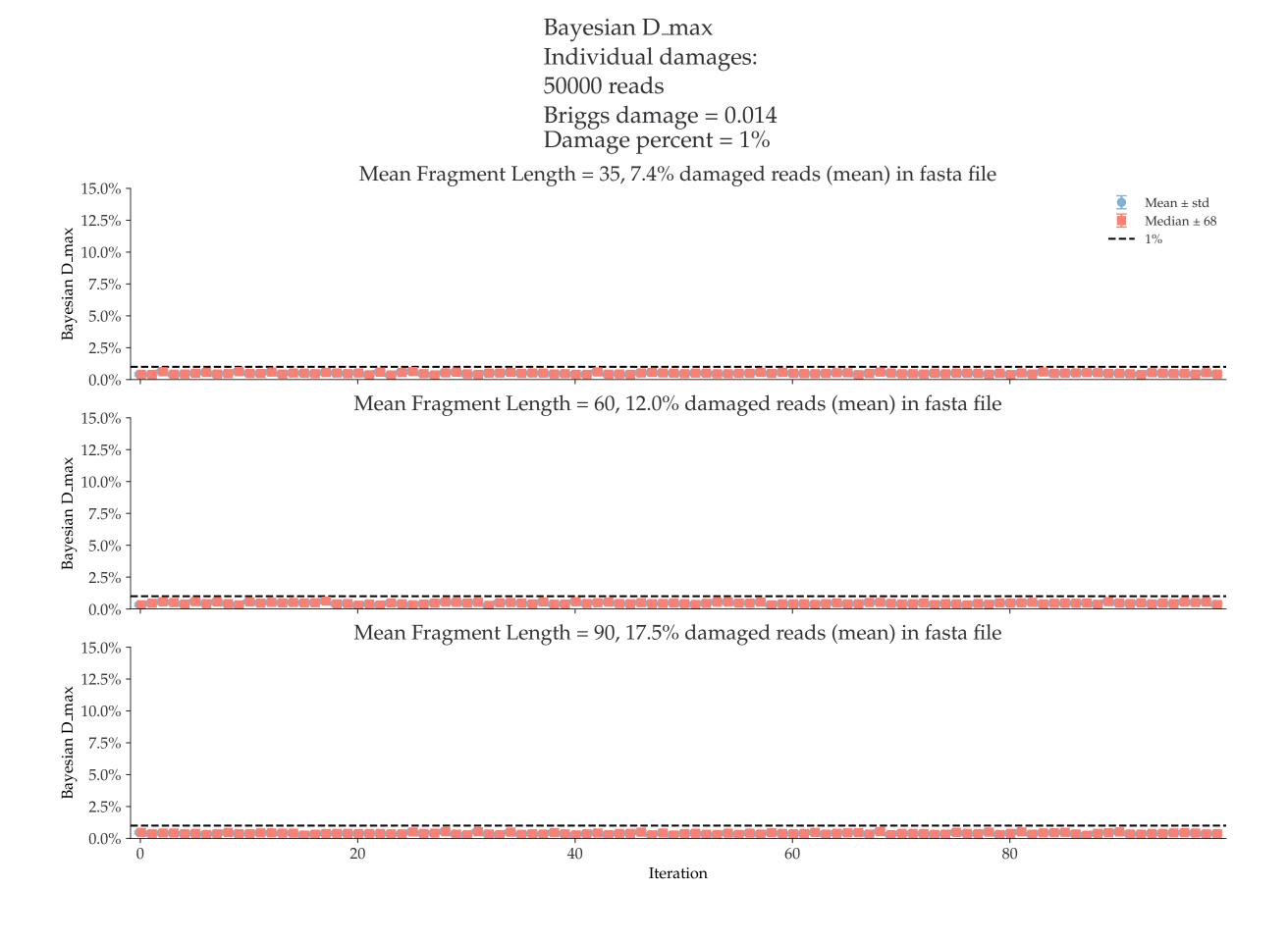


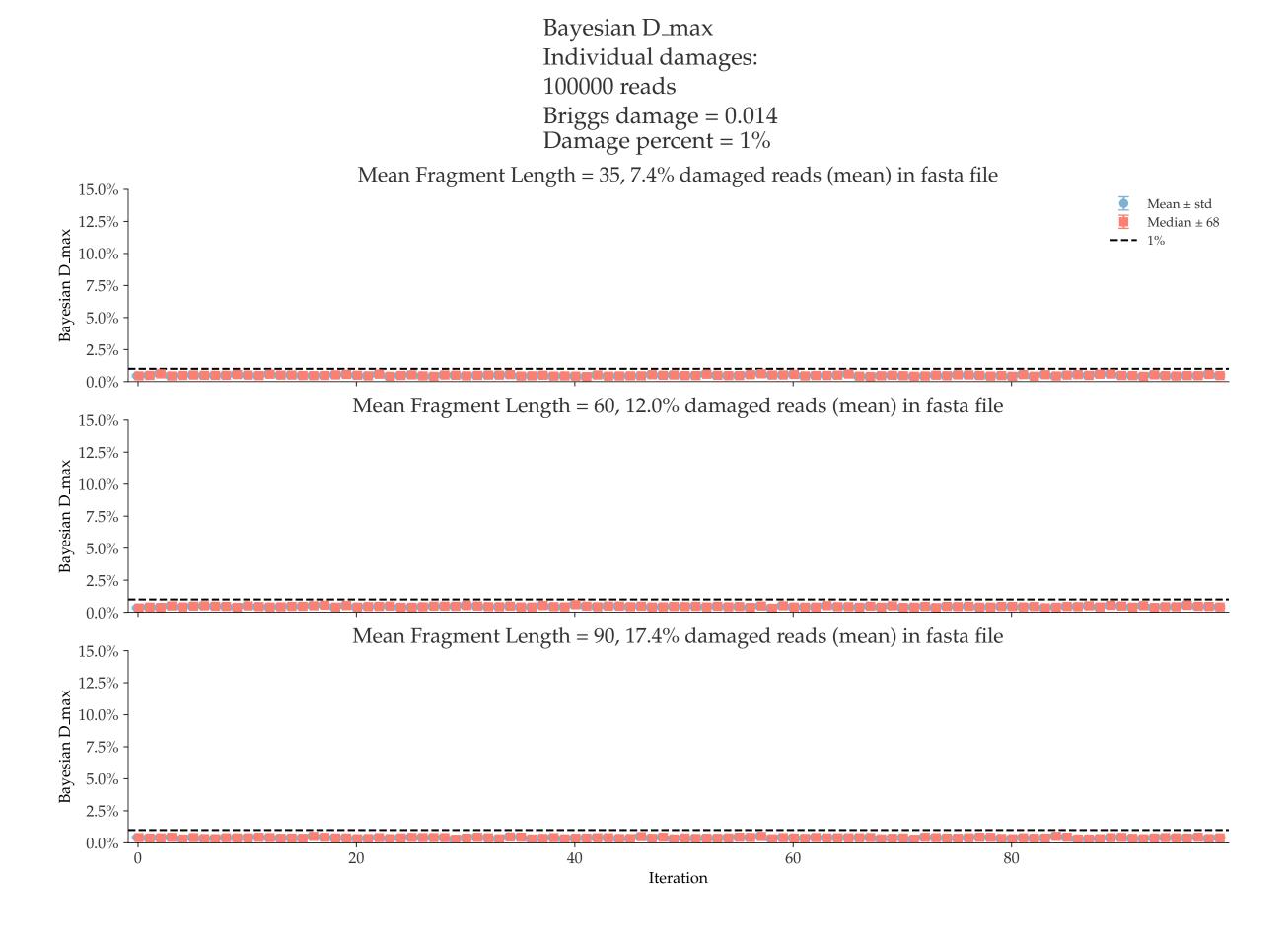




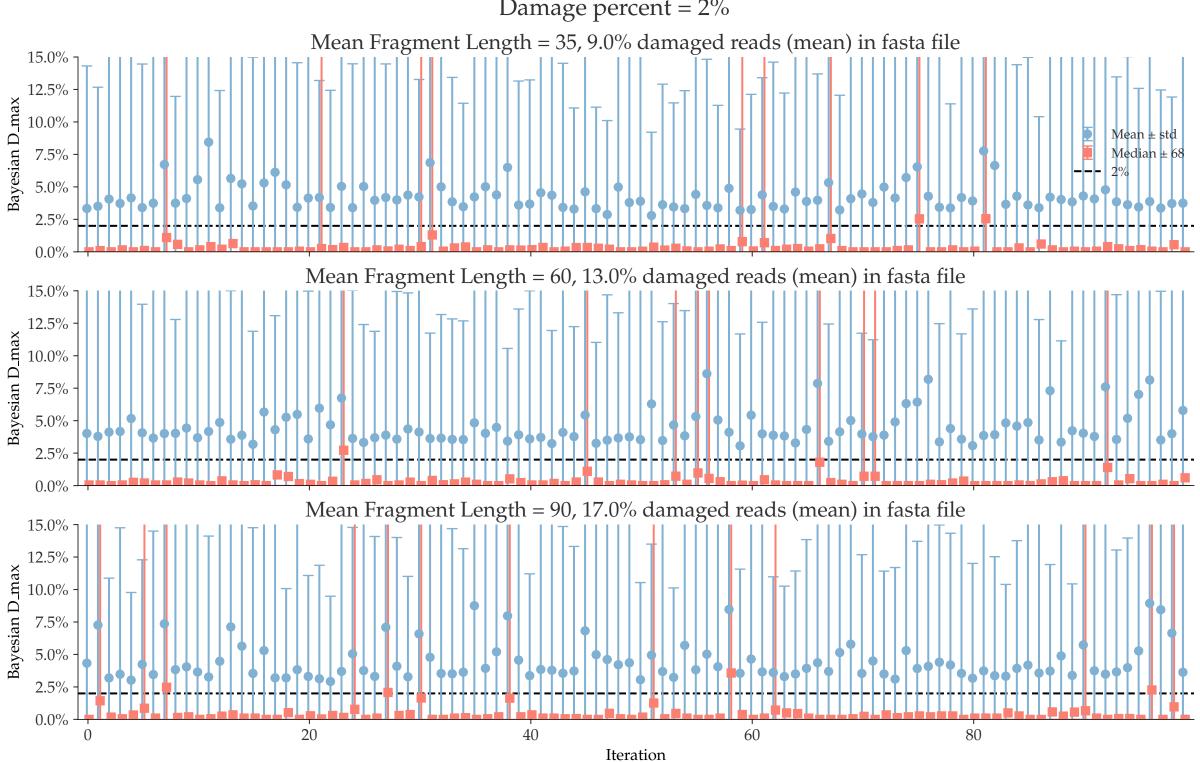




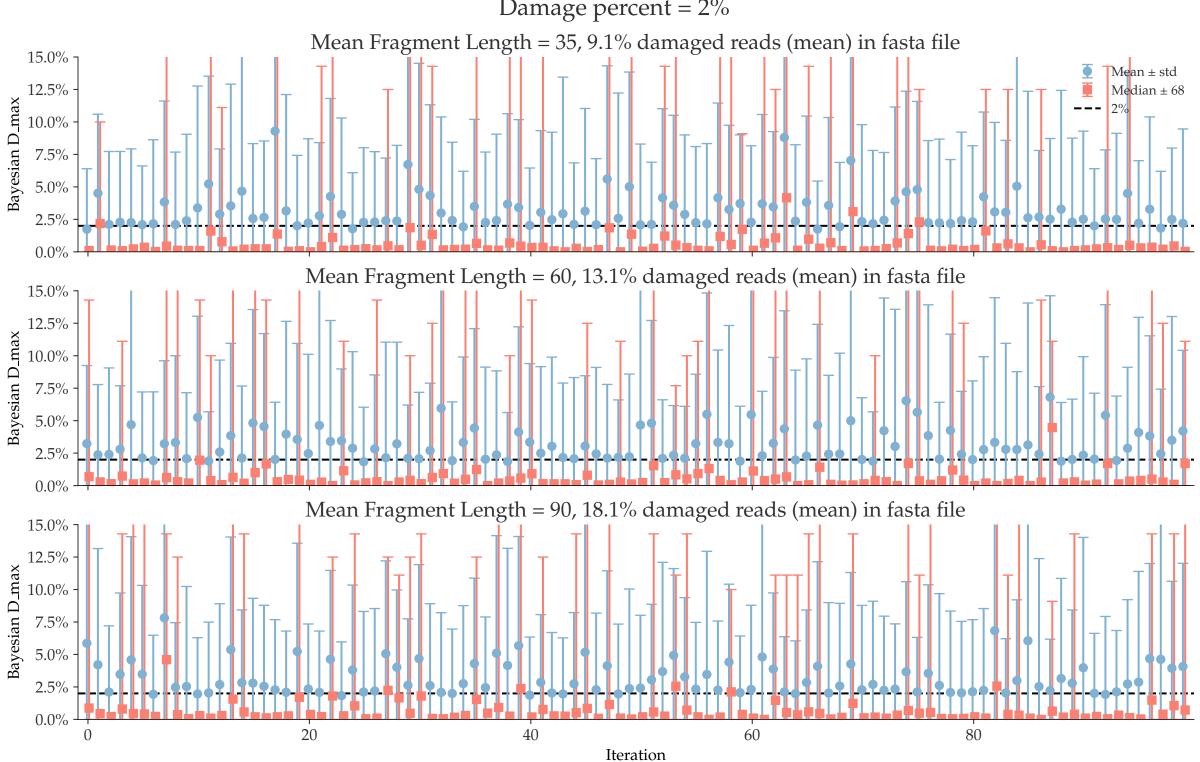




Bayesian D_max
Individual damages:
10 reads
Briggs damage = 0.047
Damage percent = 2%

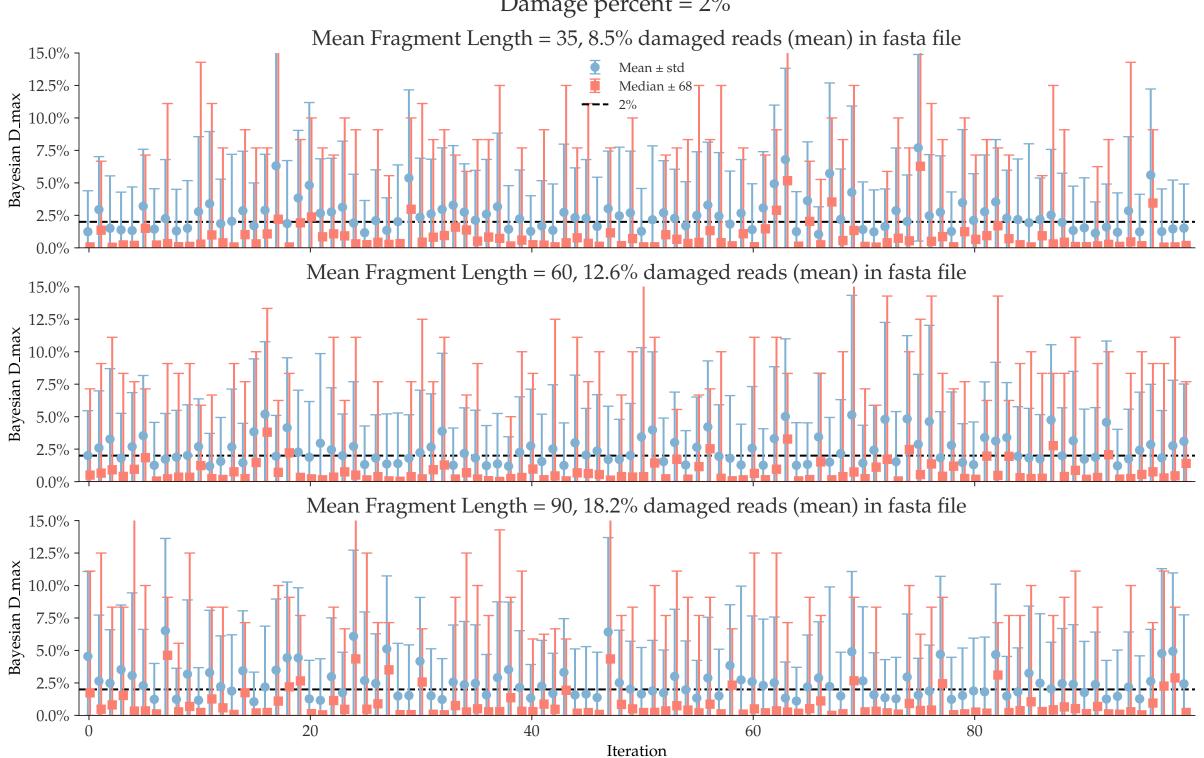


Bayesian D_max Individual damages: 25 reads Briggs damage = 0.047 Damage percent = 2%



Bayesian D_max
Individual damages:
50 reads
Briggs damage = 0.047
Damage percent = 2%

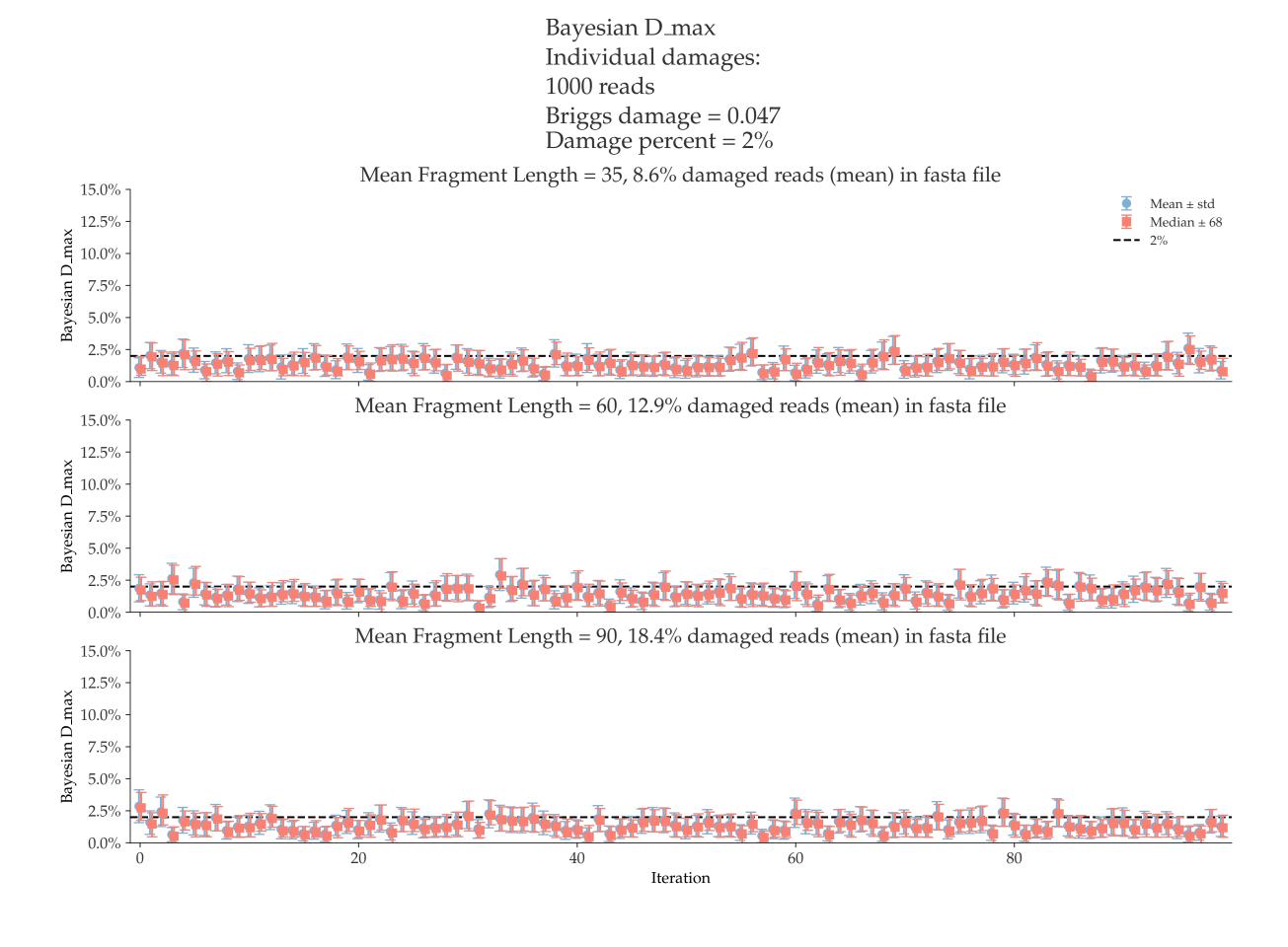
ngth = 35, 8.5% damaged re

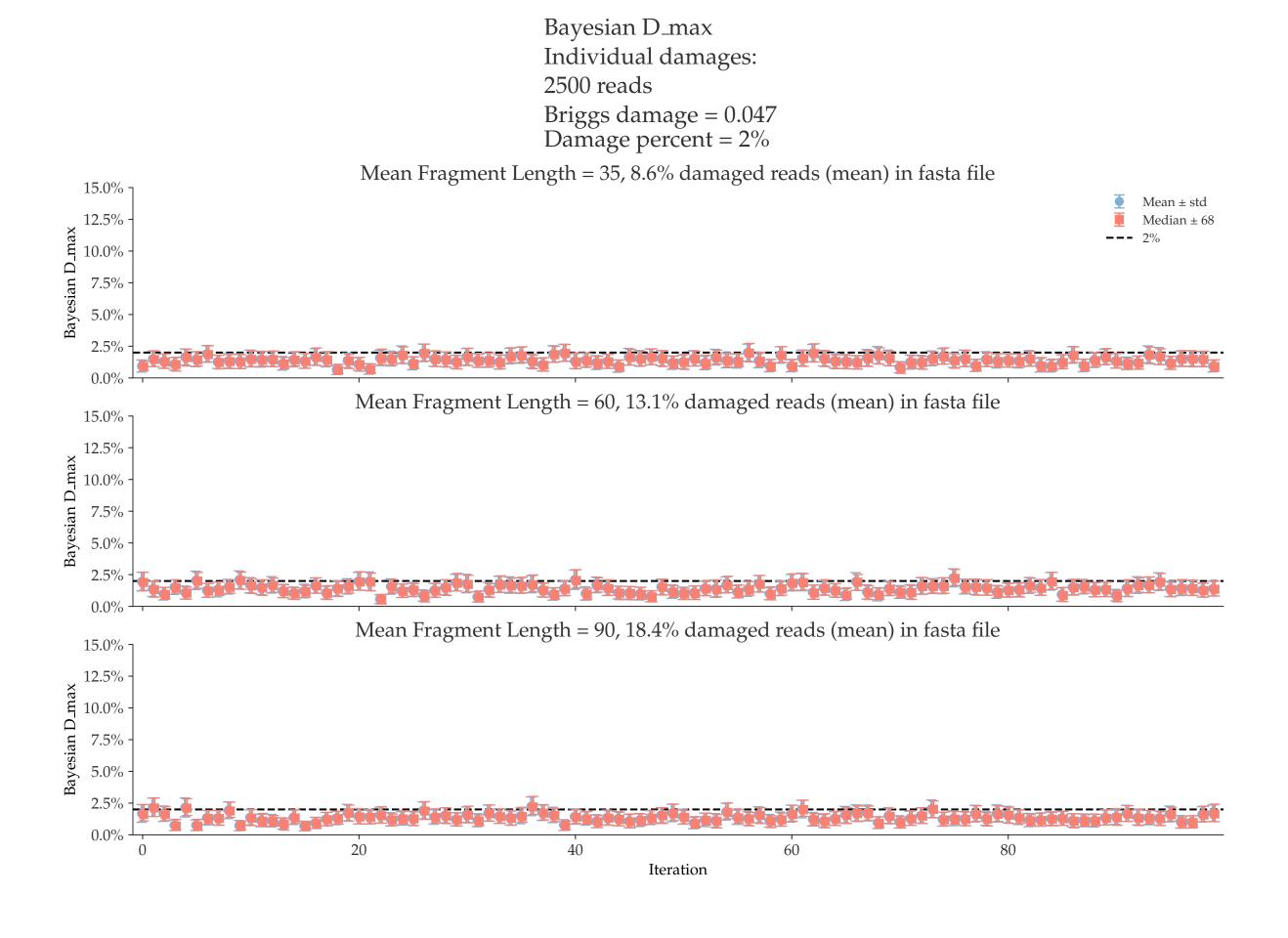


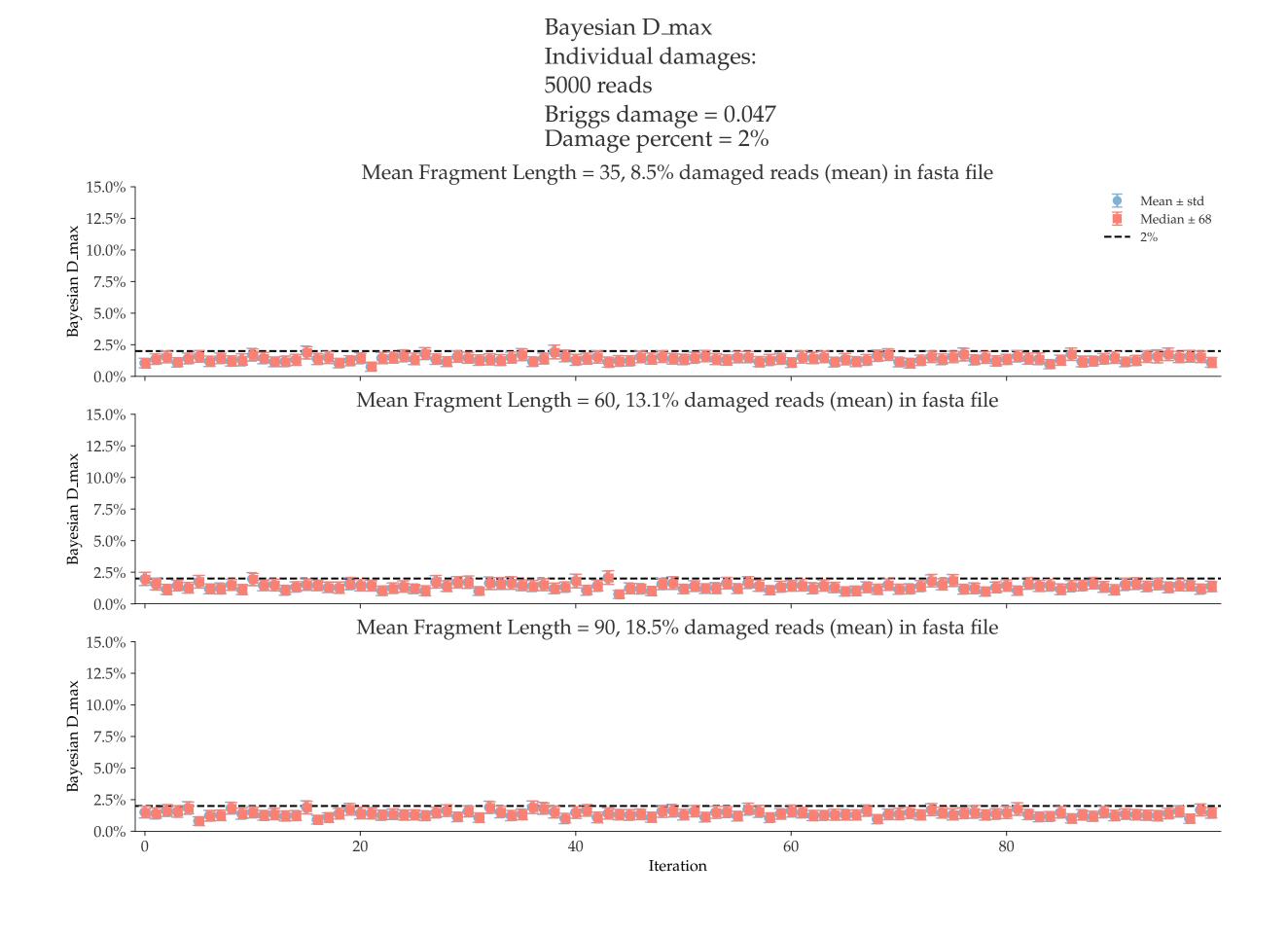
Bayesian D_max Individual damages: 100 reads Briggs damage = 0.047Damage percent = 2% Mean Fragment Length = 35, 8.4% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 12.6% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 17.8% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 60 80 40 Iteration

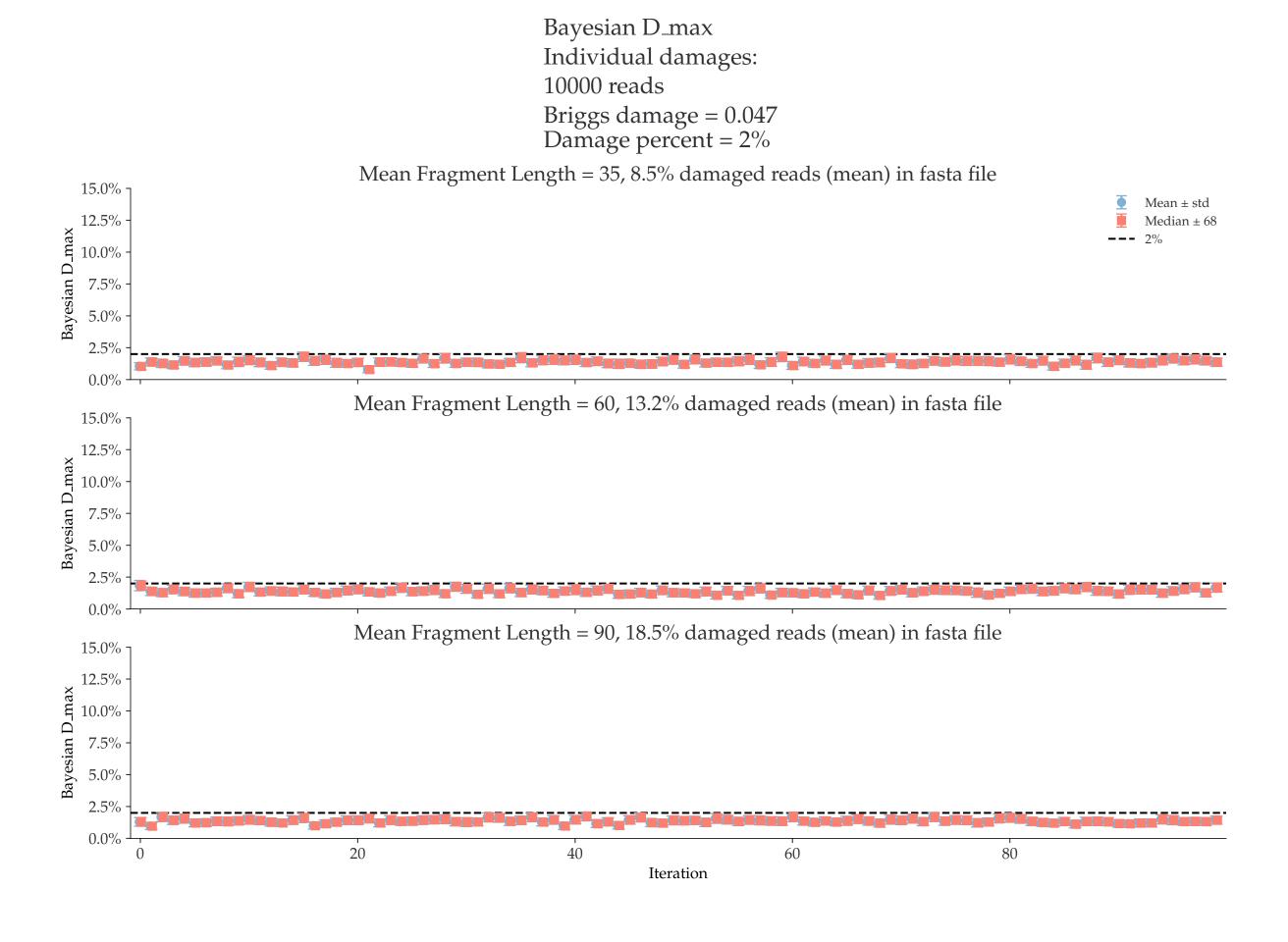
Individual damages: 250 reads Briggs damage = 0.047Damage percent = 2% Mean Fragment Length = 35, 8.4% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 5.0% 2.5% 0.0% Mean Fragment Length = 60, 13.0% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 0.0% Mean Fragment Length = 90, 18.1% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

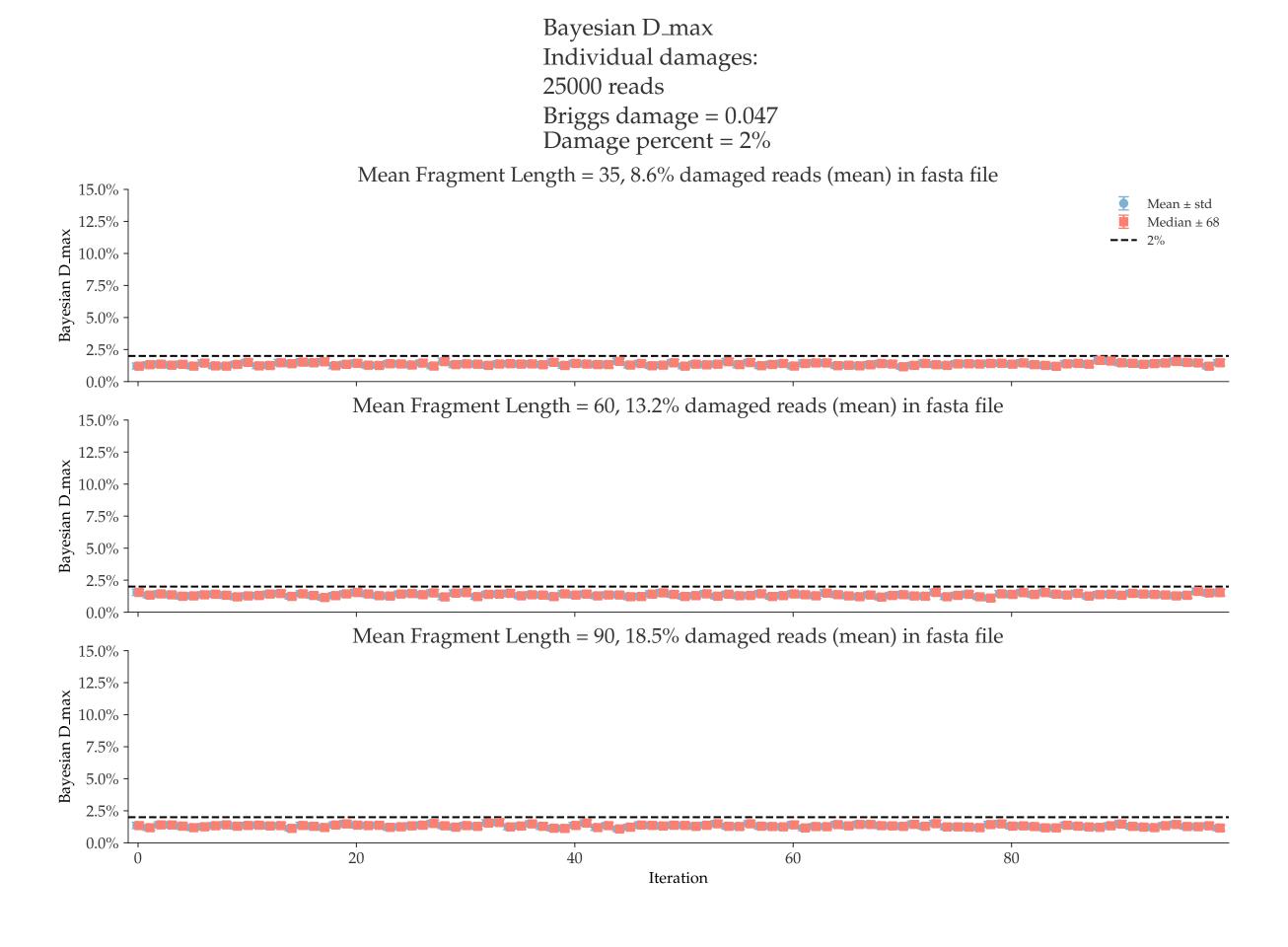
Individual damages: 500 reads Briggs damage = 0.047Damage percent = 2% Mean Fragment Length = 35, 8.4% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 5.0% 2.5% 0.0% Mean Fragment Length = 60, 13.0% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 5.0% 2.5% 0.0% Mean Fragment Length = 90, 18.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

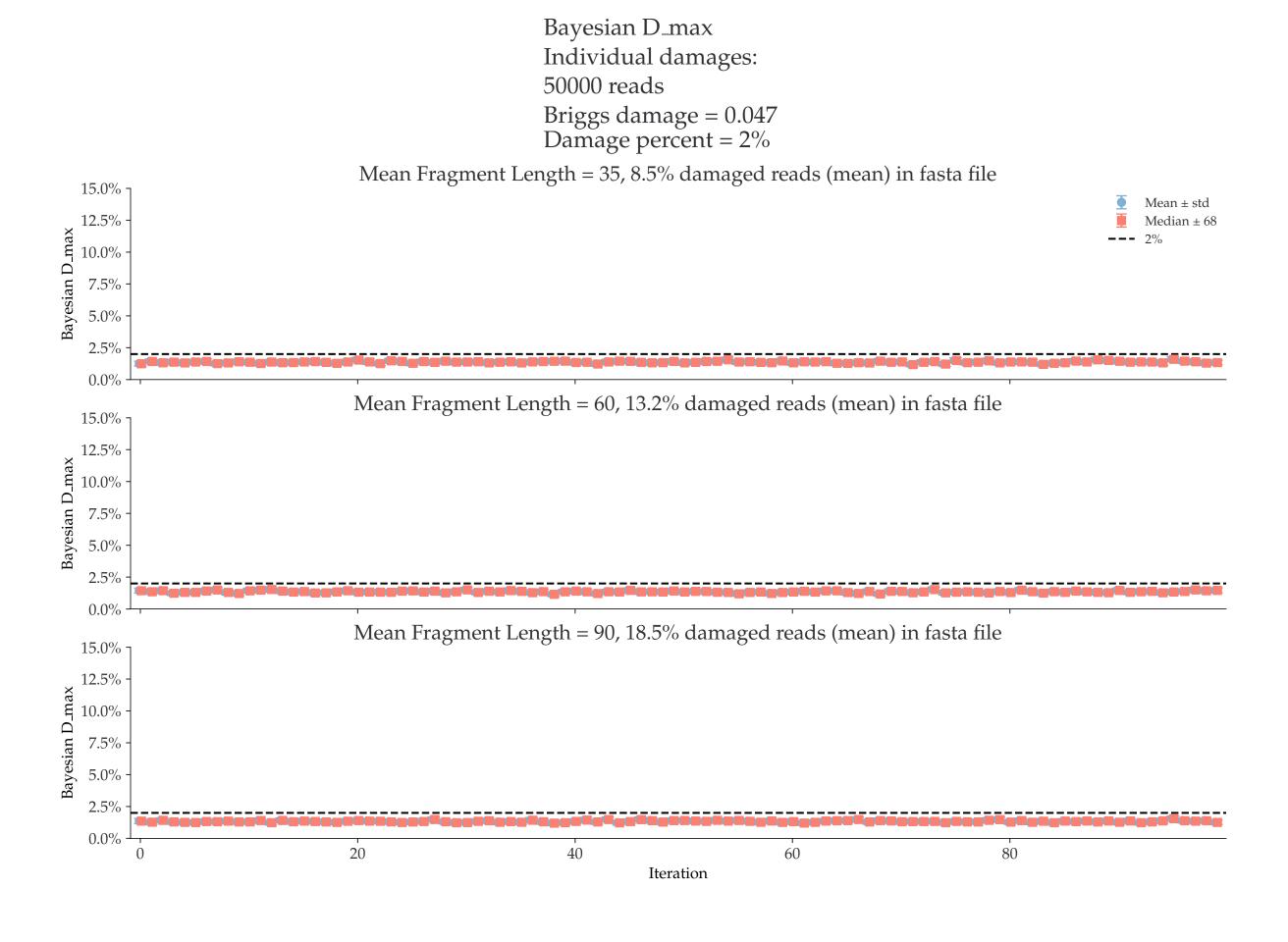


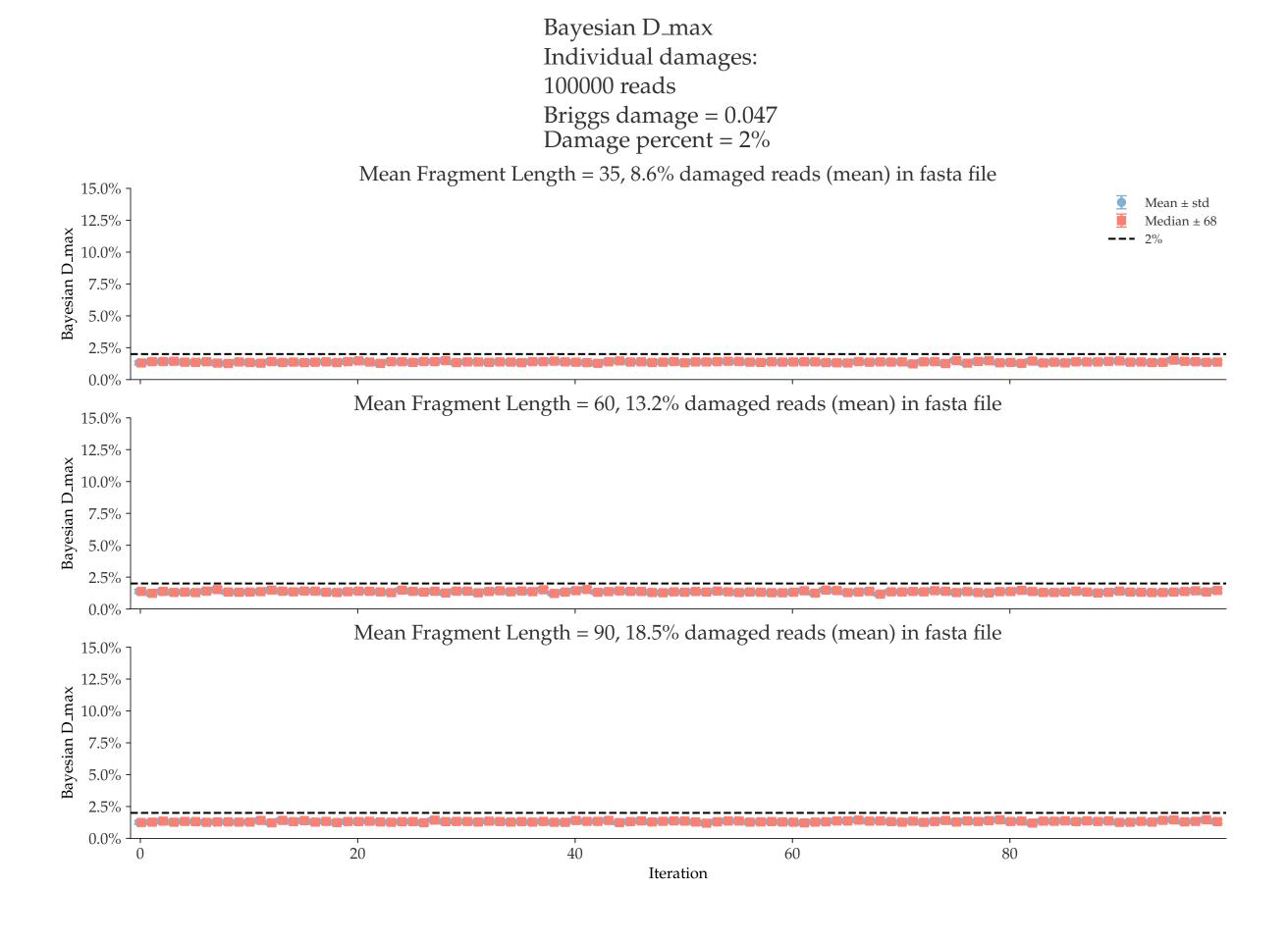




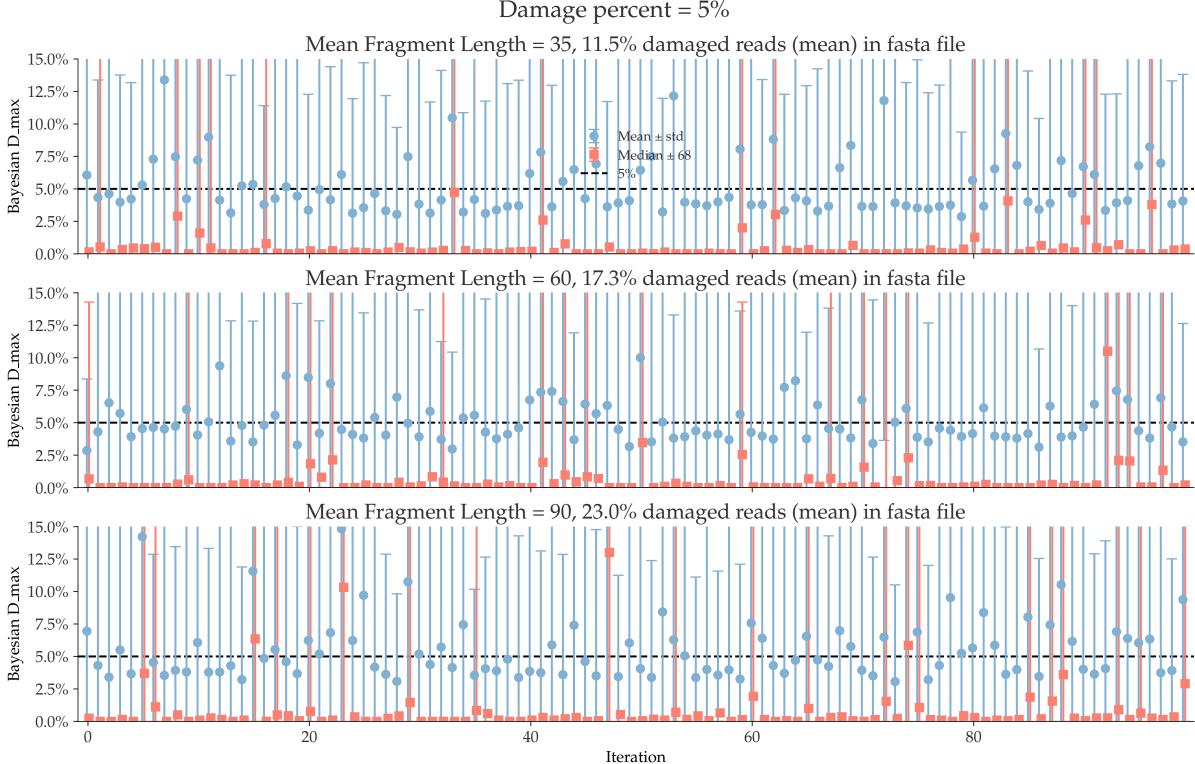




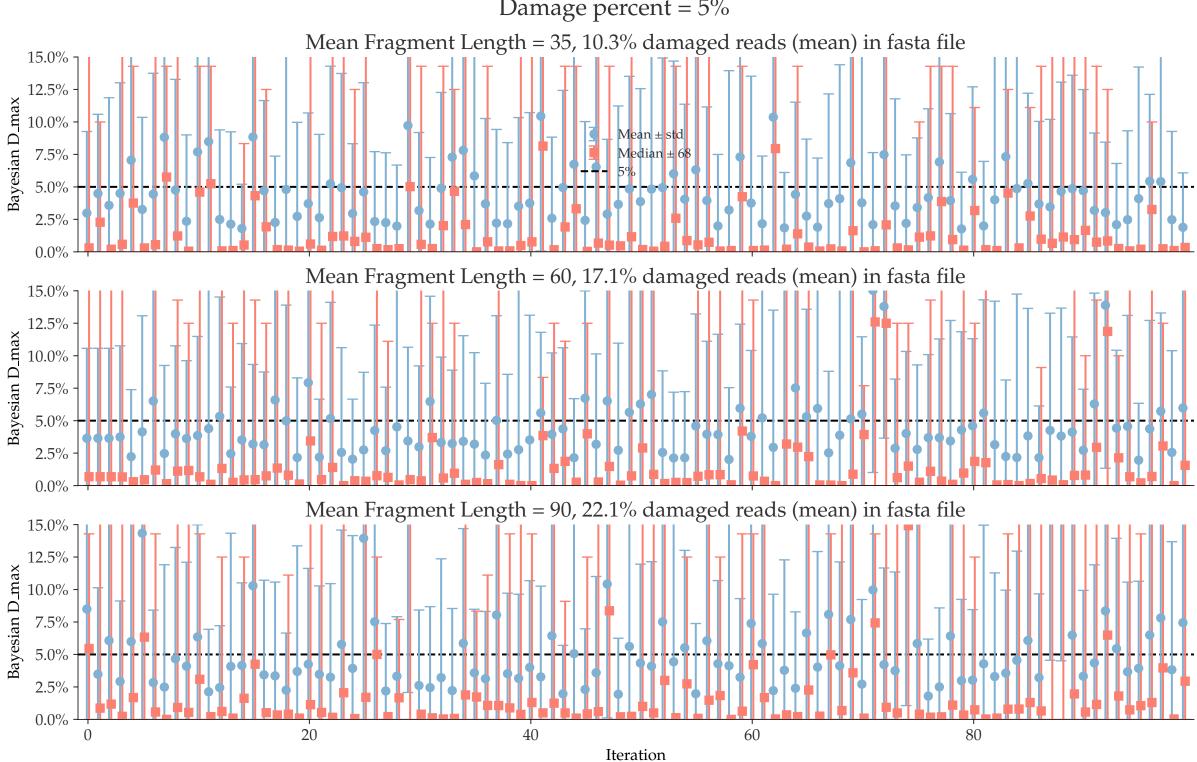




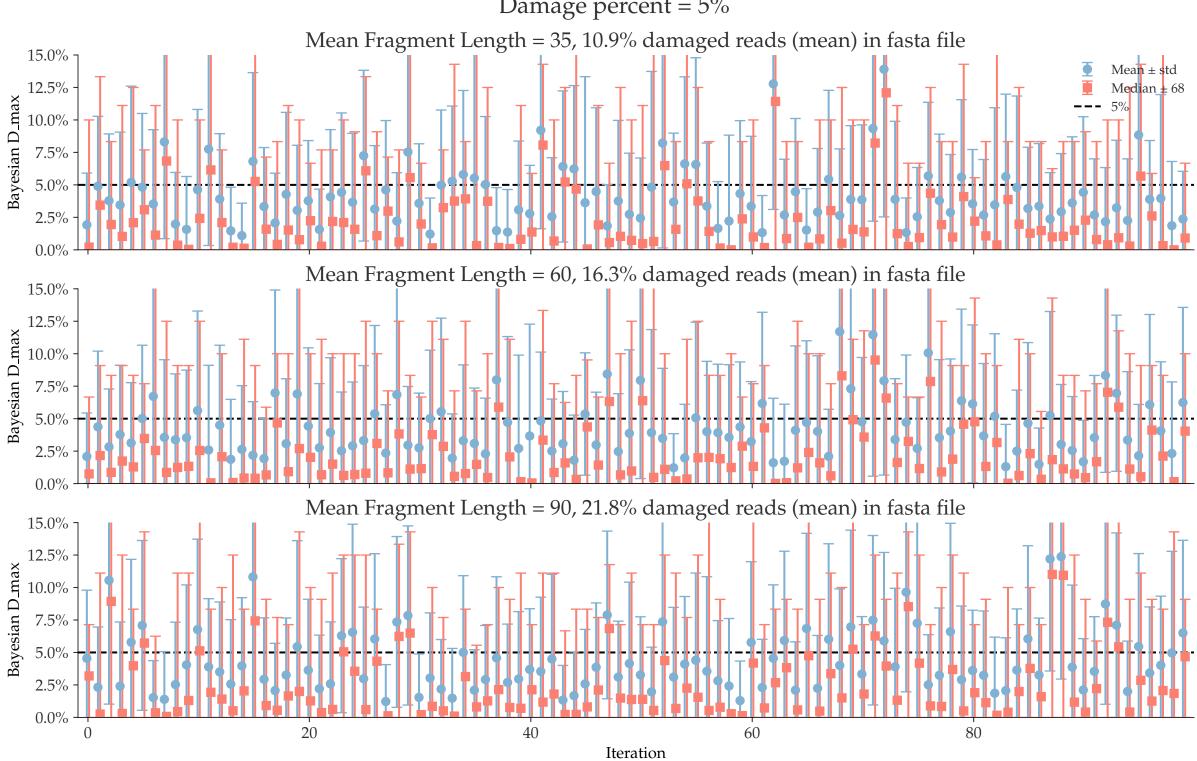
Bayesian D_max Individual damages: 10 reads Briggs damage = 0.138 Damage percent = 5%



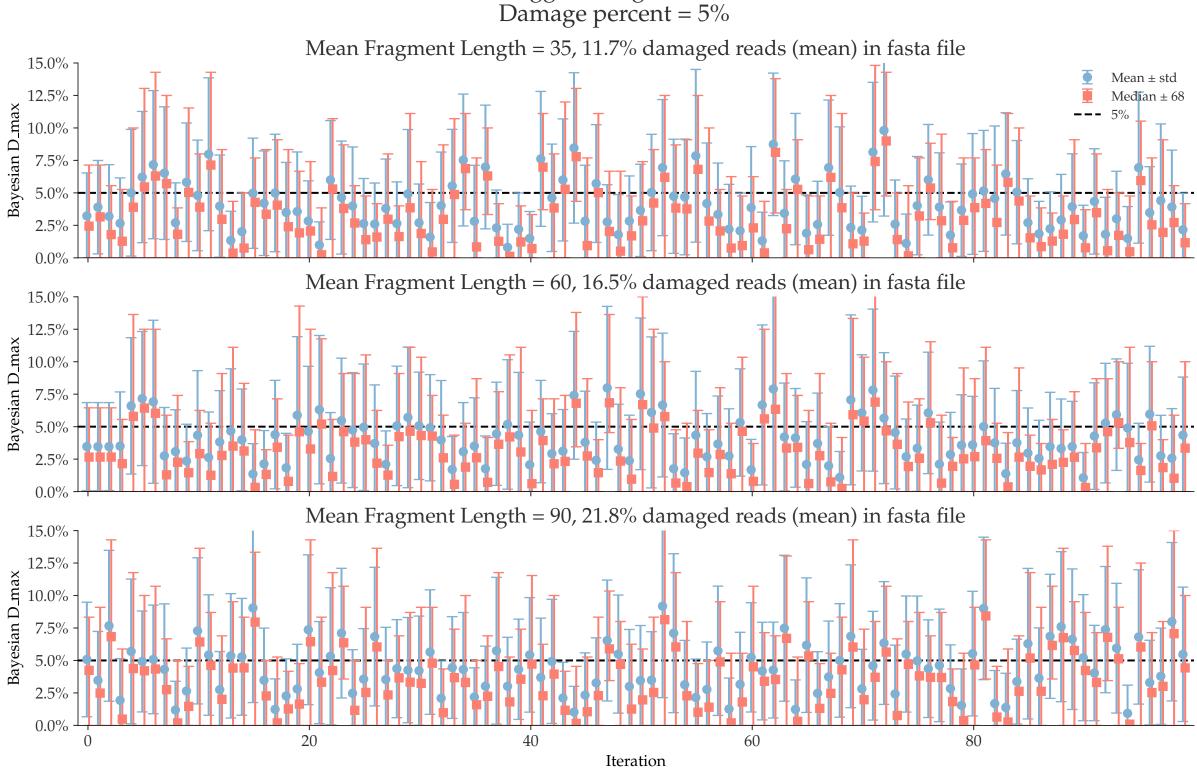
Bayesian D_max Individual damages: 25 reads Briggs damage = 0.138 Damage percent = 5%



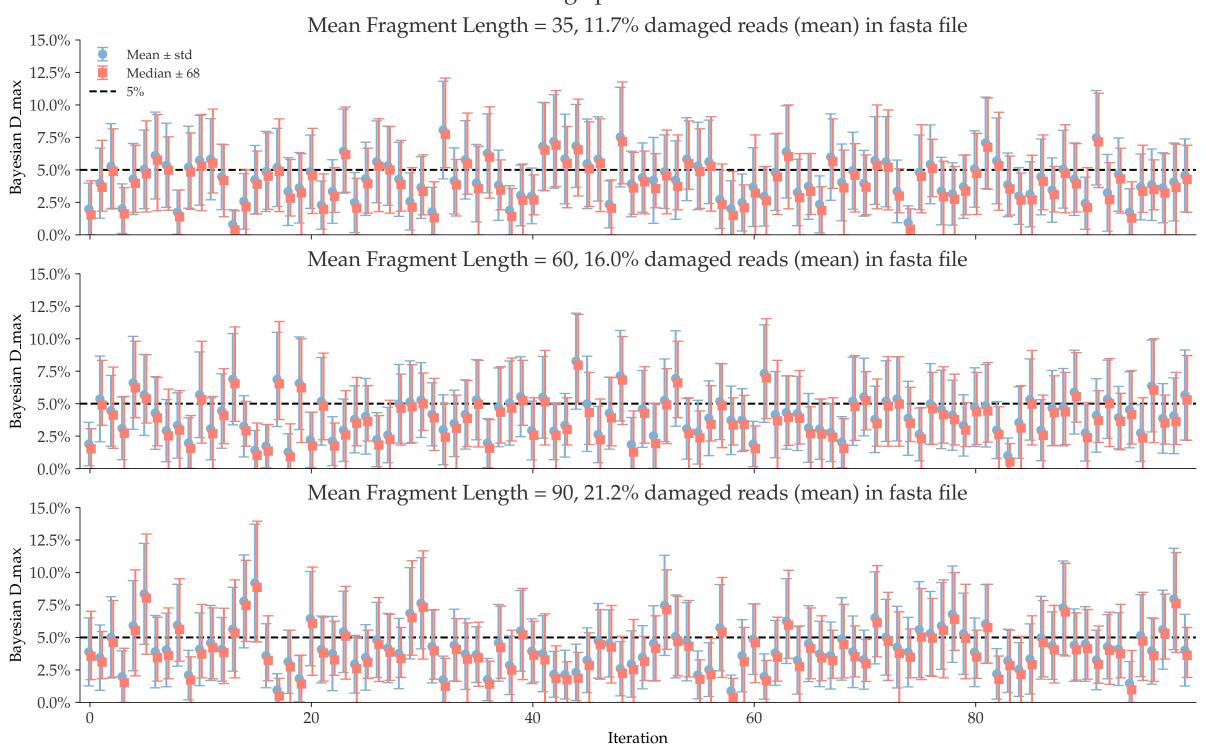
Bayesian D_max Individual damages: 50 reads Briggs damage = 0.138 Damage percent = 5%



Bayesian D_max Individual damages: 100 reads Briggs damage = 0.138 Damage percent = 5%



Bayesian D_max Individual damages: 250 reads Briggs damage = 0.138 Damage percent = 5%



Individual damages: 500 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.5% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.3% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 80 60 0 Iteration

Individual damages: 1000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.5% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.1% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 0.0% Mean Fragment Length = 90, 21.4% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

Bayesian D_max Individual damages: 2500 reads Briggs damage = 0.138Damage percent = 5% Mean Fragment Length = 35, 11.7% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.1% damaged reads (mean) in fasta file 15.0% -12.5% 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.3% damaged reads (mean) in fasta file 15.0% -12.5% 10.0% 7.5% 2.5% 0.0% 20 40 60 80 0 Iteration

Bayesian D_max

Bayesian D_max

Bayesian D_max Individual damages: 5000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.7% damaged reads (mean) in fasta file 15.0% Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.0% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.3% damaged reads (mean) in fasta file 15.0% 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

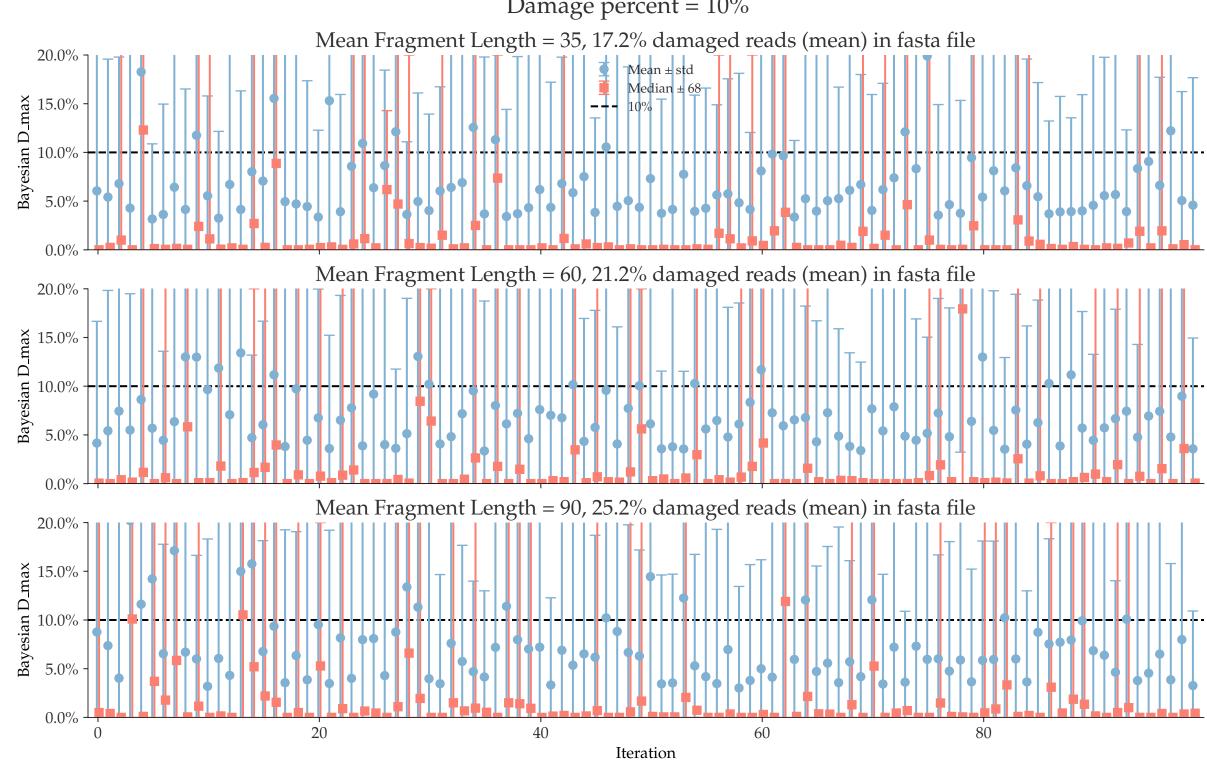
Bayesian D_max Individual damages: 10000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.7% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.1% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D-max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

Bayesian D_max Individual damages: 25000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.6% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.1% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

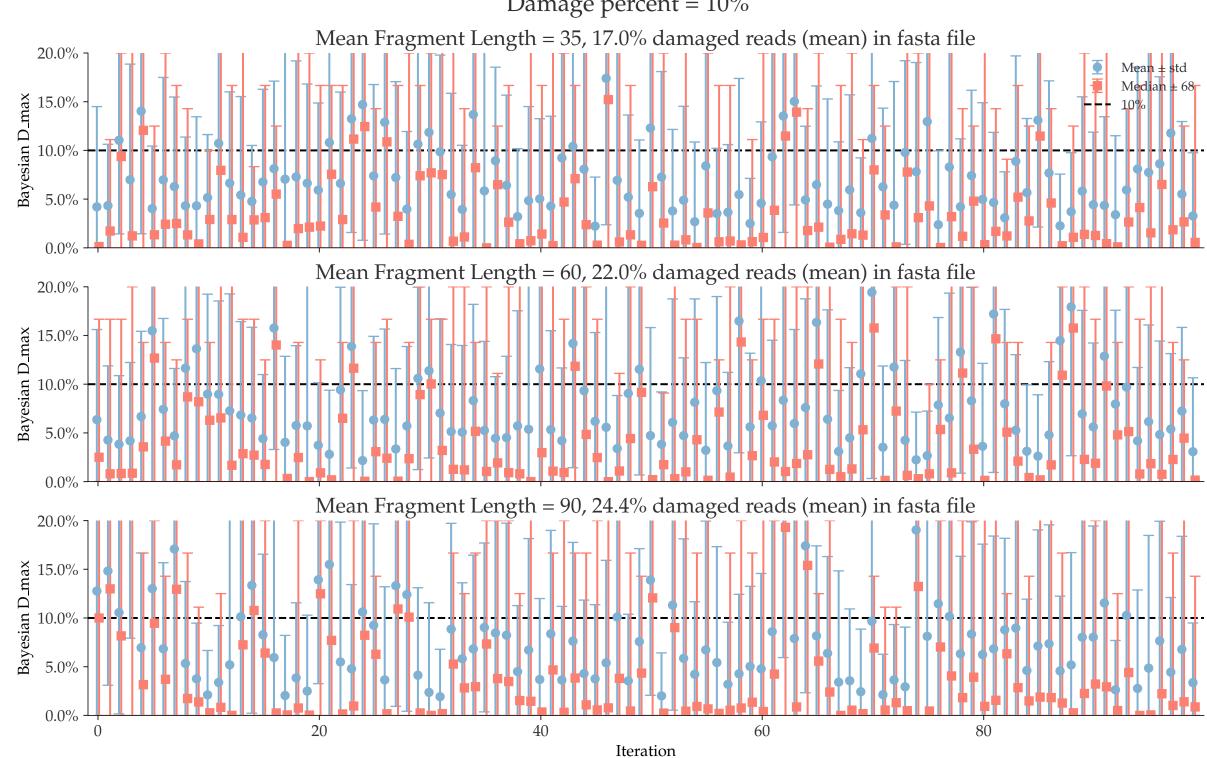
Individual damages: 50000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.6% damaged reads (mean) in fasta file 15.0% -Mean \pm std 12.5% Median \pm 68 Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.0% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 40 60 80 Iteration

Bayesian D_max Individual damages: 100000 reads Briggs damage = 0.138 Damage percent = 5% Mean Fragment Length = 35, 11.6% damaged reads (mean) in fasta file 15.0% -Mean \pm std Median \pm 68 12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 60, 16.0% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% Mean Fragment Length = 90, 21.2% damaged reads (mean) in fasta file 15.0% -12.5% Bayesian D_max 10.0% 7.5% 2.5% 0.0% 20 60 80 40 Iteration

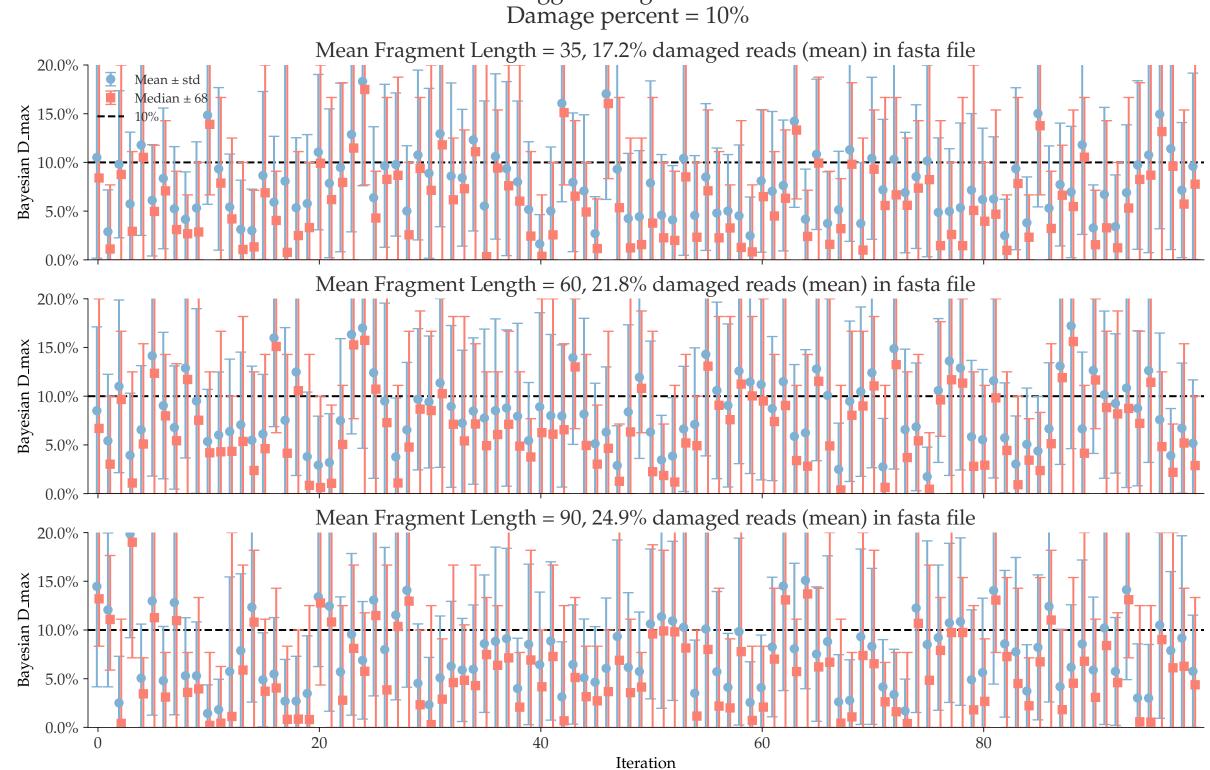
Bayesian D_max Individual damages: 10 reads Briggs damage = 0.303 Damage percent = 10%



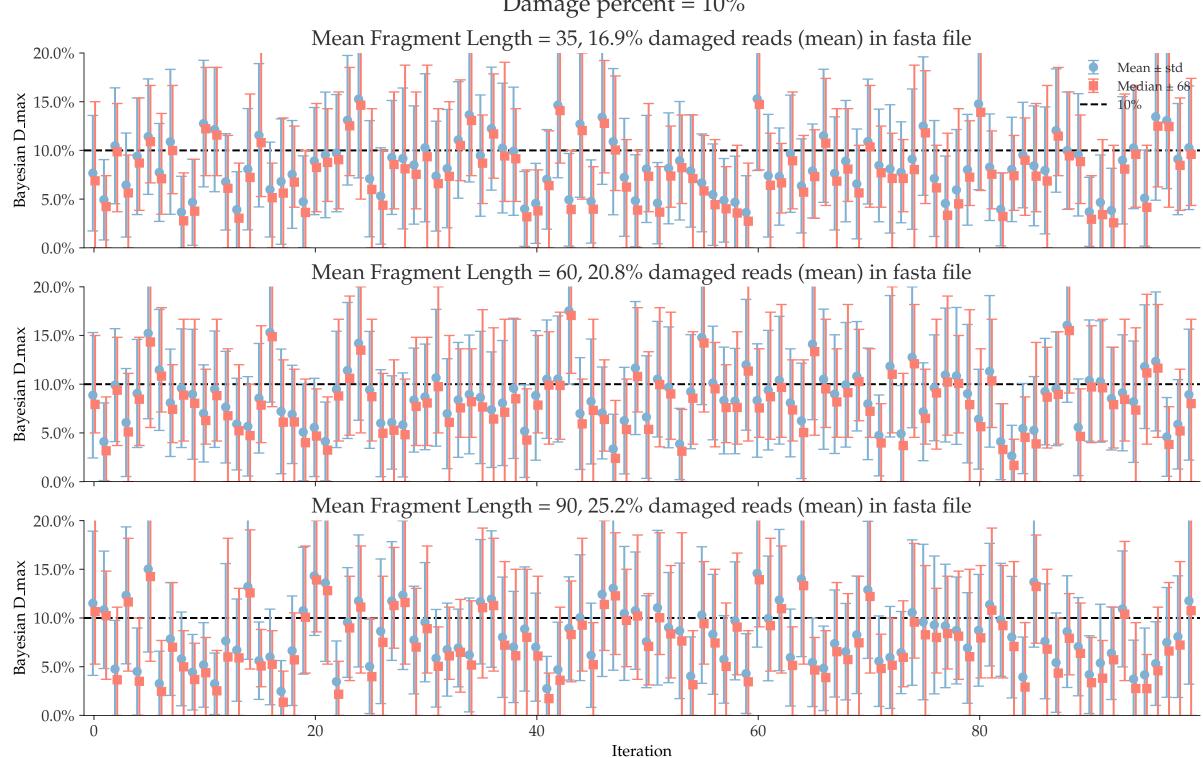
Bayesian D_max
Individual damages:
25 reads
Briggs damage = 0.303
Damage percent = 10%



Bayesian D_max Individual damages: 50 reads Briggs damage = 0.303 Damage percent = 10%



Bayesian D_max Individual damages: 100 reads Briggs damage = 0.303 Damage percent = 10%

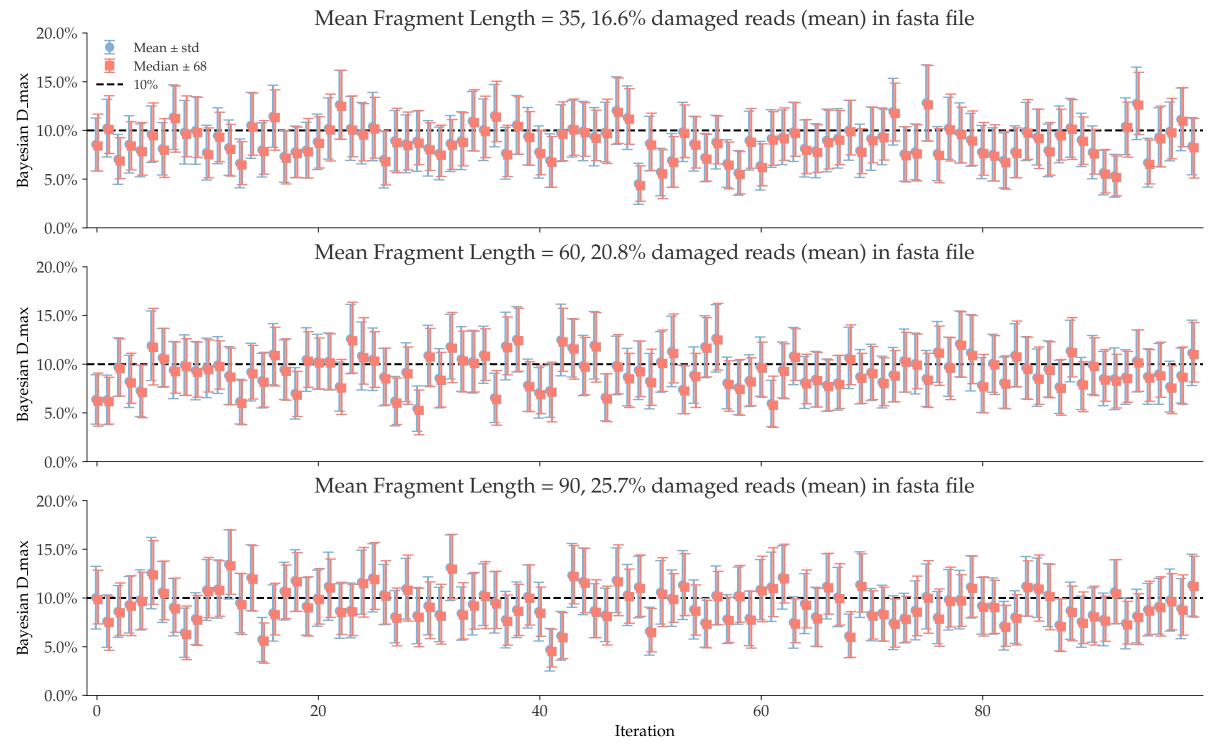


250 reads Briggs damage = 0.303 Damage percent = 10% Mean Fragment Length = 35, 16.6% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 10.0% 5.0% 0.0% Mean Fragment Length = 60, 20.8% damaged reads (mean) in fasta file 20.0% Bayesian D-max 10.0% 5.0% 0.0% Mean Fragment Length = 90, 25.8% damaged reads (mean) in fasta file 20.0% Bayesian D_max 10.0% 5.0% 0.0% 20 40 60 80 Iteration

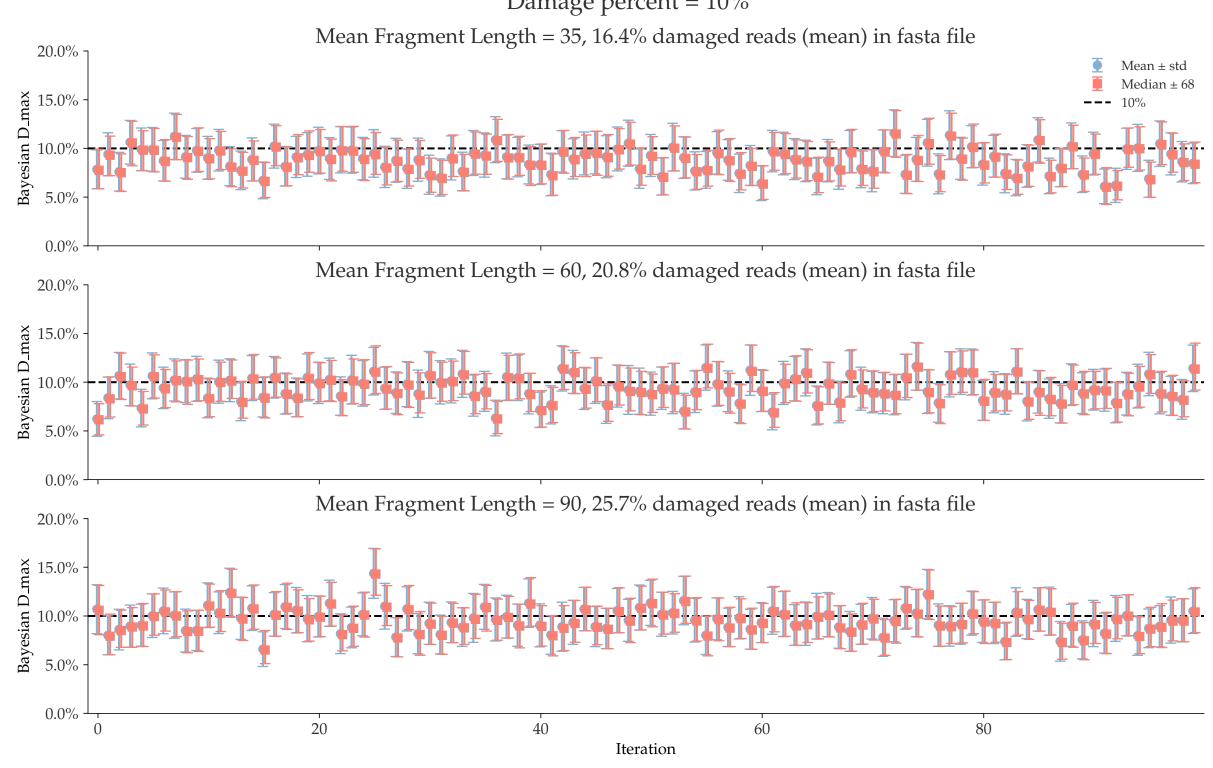
Bayesian D_max

Individual damages:

Bayesian D_max Individual damages: 500 reads Briggs damage = 0.303 Damage percent = 10%

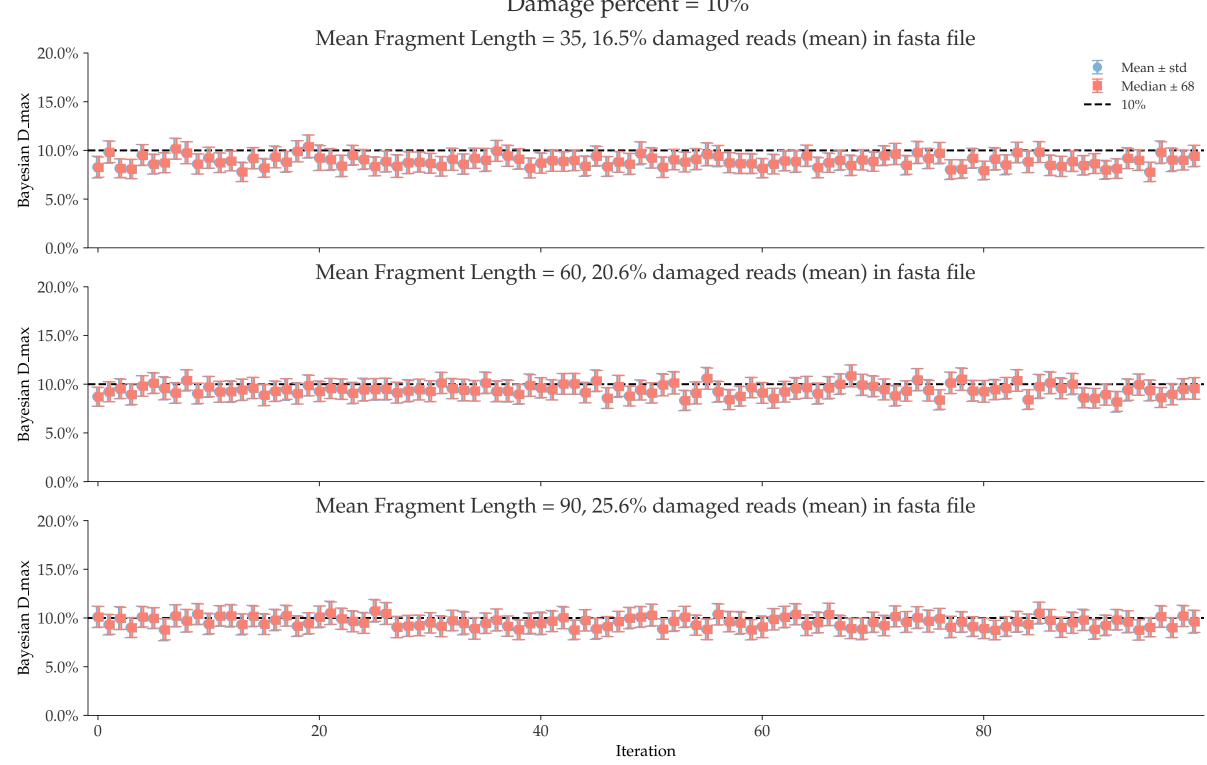


Bayesian D_max Individual damages: 1000 reads Briggs damage = 0.303 Damage percent = 10% Mean \pm std Median \pm 68



Individual damages: 2500 reads Briggs damage = 0.303 Damage percent = 10% Mean Fragment Length = 35, 16.4% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 15.0% 0.0% Mean Fragment Length = 60, 20.7% damaged reads (mean) in fasta file 20.0% Bayesian D.max 10.0% 5.0% 0.0% Mean Fragment Length = 90, 25.6% damaged reads (mean) in fasta file 20.0% Bayesian D-max 10.0% 5.0% 0.0% 20 40 60 80 Iteration

Bayesian D_max Individual damages: 5000 reads Briggs damage = 0.303 Damage percent = 10% Mean \pm std Median \pm 68



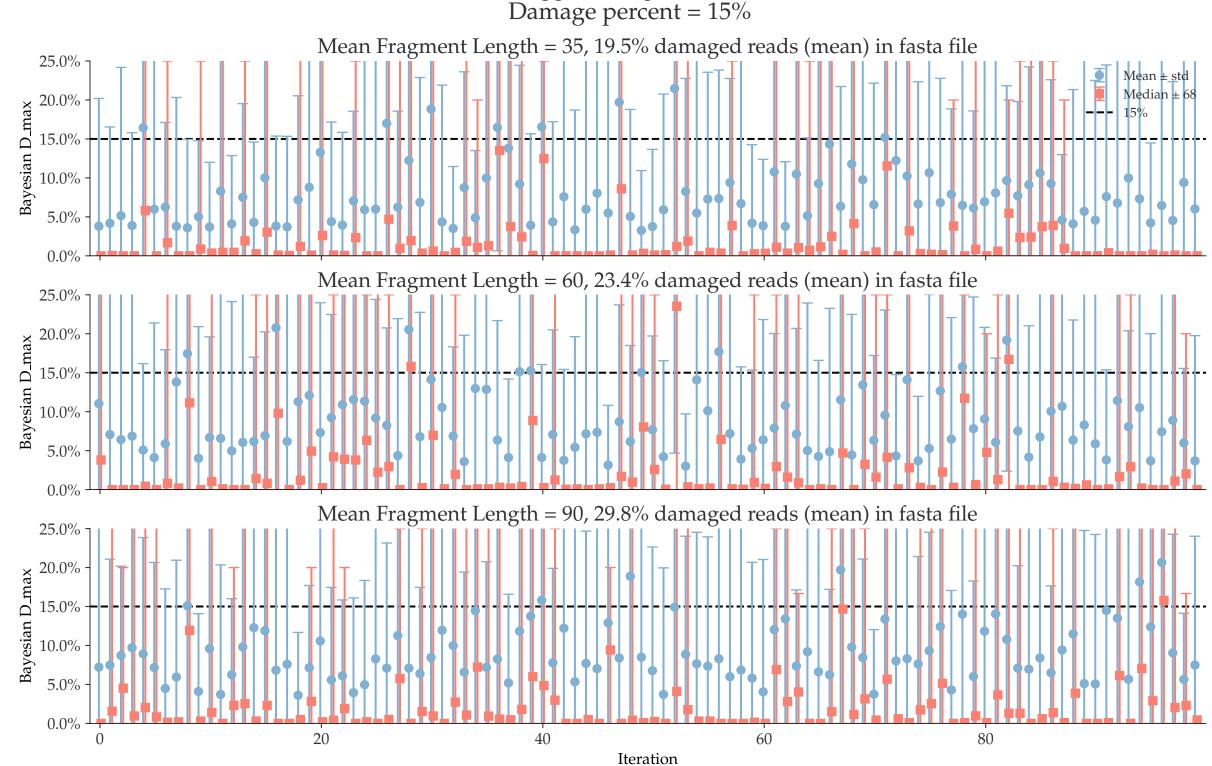
Bayesian D_max Individual damages: 10000 reads Briggs damage = 0.303Damage percent = 10% Mean Fragment Length = 35, 16.4% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 15.0% 5.0% 0.0% Mean Fragment Length = 60, 20.6% damaged reads (mean) in fasta file 20.0% Bayesian D.max 10.0% 5.0% 0.0% Mean Fragment Length = 90, 25.6% damaged reads (mean) in fasta file 20.0% Bayesian D-max 10.0% 5.0% 0.0% 20 40 60 80 Iteration

Individual damages: 25000 reads Briggs damage = 0.303 Damage percent = 10% Mean Fragment Length = 35, 16.4% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 15.0% 5.0% 0.0% Mean Fragment Length = 60, 20.6% damaged reads (mean) in fasta file 20.0% Bayesian D.max 10.0% 5.0% 0.0% Mean Fragment Length = 90, 25.5% damaged reads (mean) in fasta file 20.0% Bayesian D.max 15.0% 5.0% 0.0% 20 40 60 80 Iteration

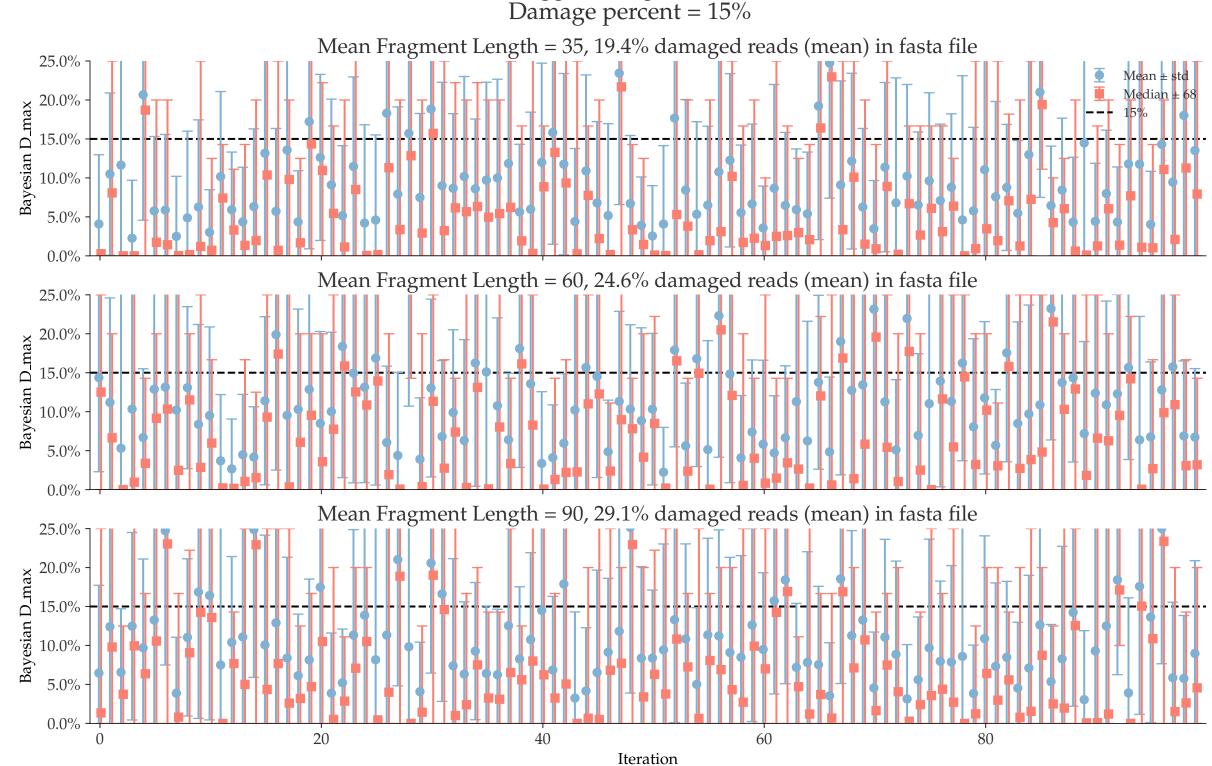
Individual damages: 50000 reads Briggs damage = 0.303 Damage percent = 10% Mean Fragment Length = 35, 16.4% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 15.0% 5.0% 0.0% Mean Fragment Length = 60, 20.6% damaged reads (mean) in fasta file 20.0% Bayesian D_max 15.0% 5.0% 0.0% Mean Fragment Length = 90, 25.5% damaged reads (mean) in fasta file 20.0% Bayesian D-max 15.0% 5.0% 0.0% 20 60 80 40 Iteration

Individual damages: 100000 reads Briggs damage = 0.303 Damage percent = 10% Mean Fragment Length = 35, 16.4% damaged reads (mean) in fasta file 20.0% Mean \pm std Median \pm 68 Bayesian D_max 15.0% 5.0% 0.0% Mean Fragment Length = 60, 20.6% damaged reads (mean) in fasta file 20.0% Bayesian D.max 10.0% 5.0% 0.0% Mean Fragment Length = 90, 25.5% damaged reads (mean) in fasta file 20.0% Bayesian D.max 15.0% 5.0% 0.0% 20 60 80 40 Iteration

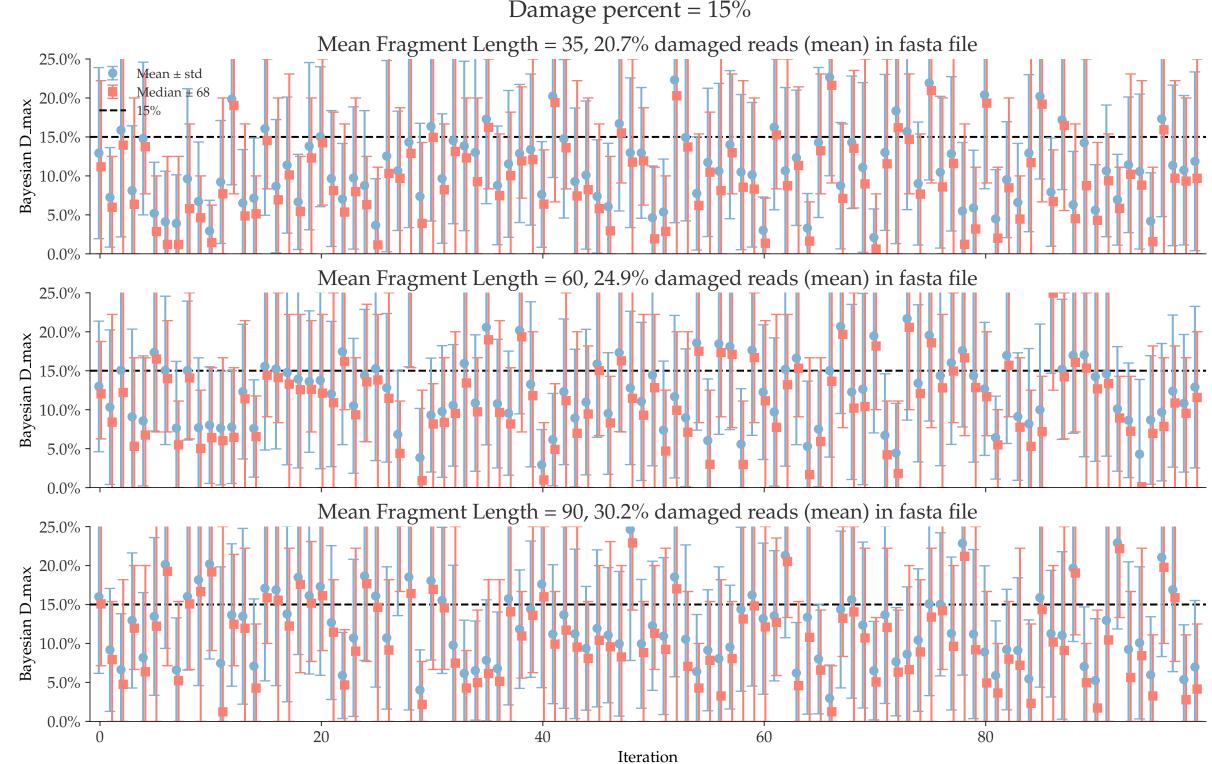
Bayesian D_max Individual damages: 10 reads Briggs damage = 0.466 Damage percent = 15%



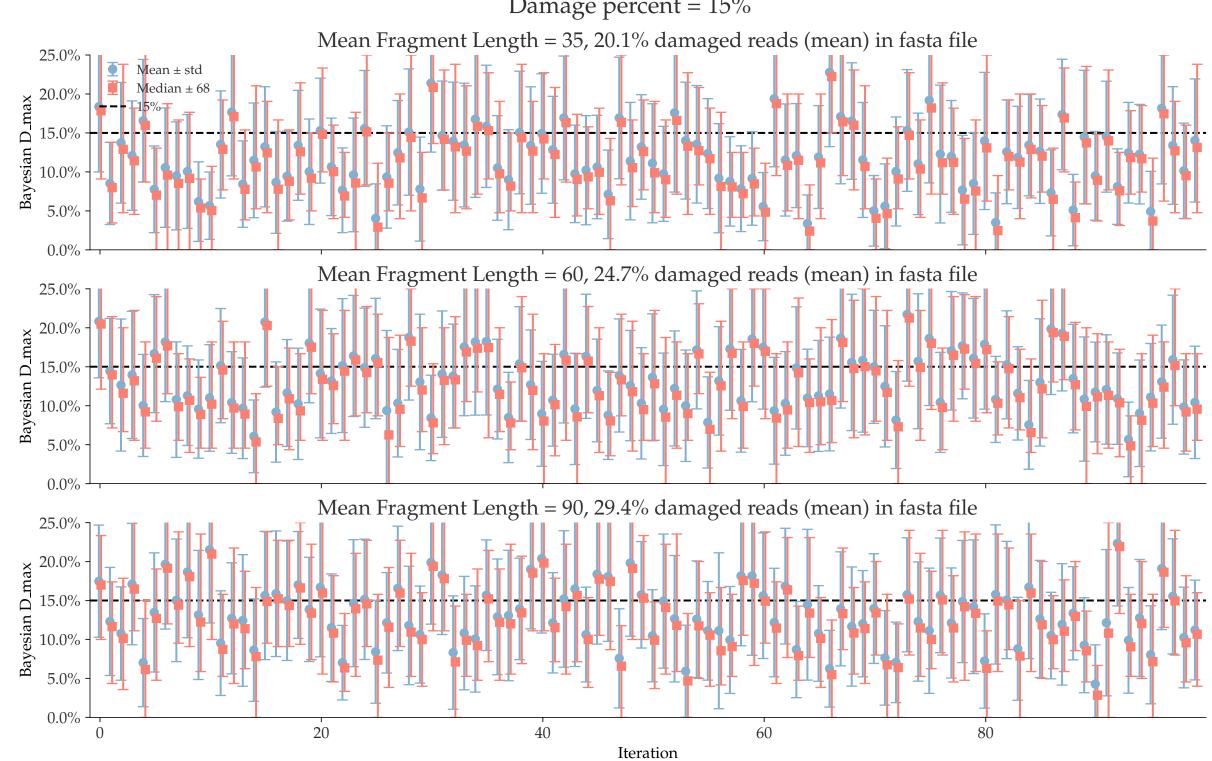
Bayesian D_max Individual damages: 25 reads Briggs damage = 0.466 Damage percent = 15%



Bayesian D_max Individual damages: 50 reads Briggs damage = 0.466 Damage percent = 15%



Bayesian D_max Individual damages: 100 reads Briggs damage = 0.466 Damage percent = 15%



Individual damages: 250 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file 25.0% Bayesian D-max 15.0% 10.09 5.0 5.0% Median ± 68 15% 0.0% Mean Fragment Length = 60, 24.6% damaged reads (mean) in fasta file 25.0% Bayesian D.max 10.0% 10.00 5.0 5.0% 0.0% Mean Fragment Length = 90, 29.3% damaged reads (mean) in fasta file 25.0% Bayesian D.max 10.0° 20.00° 5.0% 0.0% 20 40 60 80

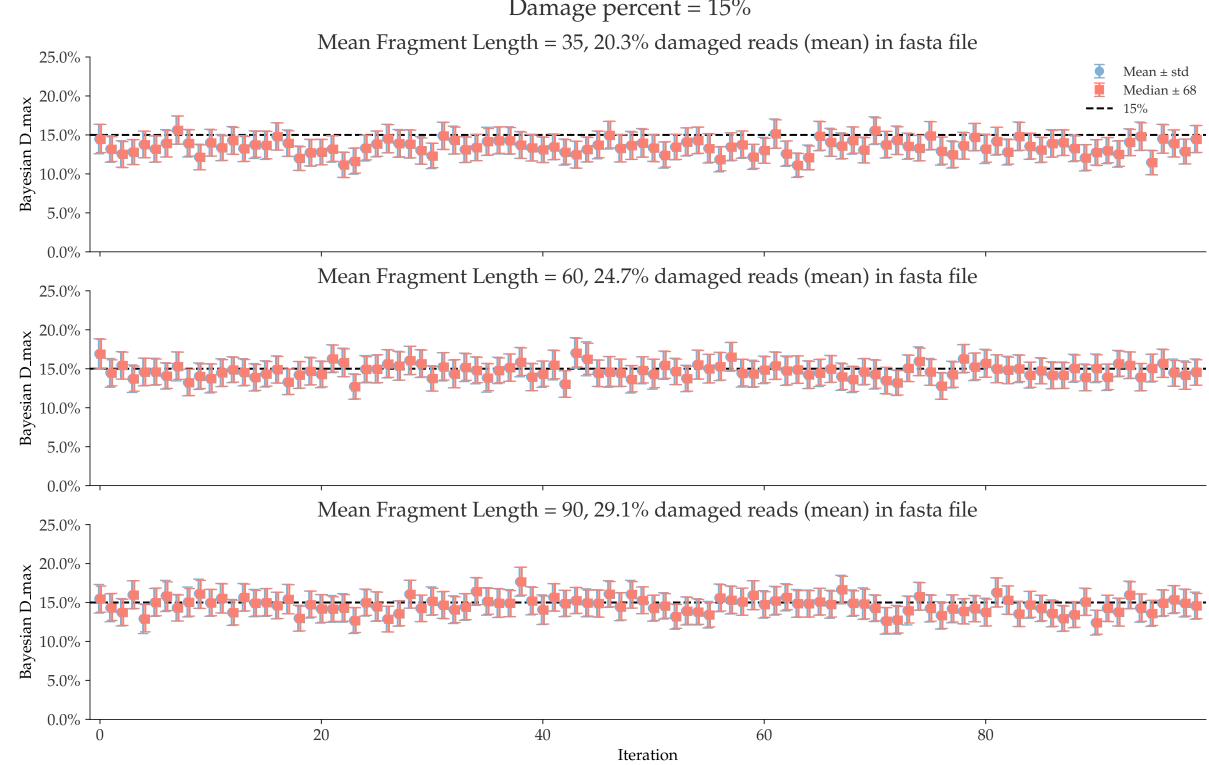
Iteration

Individual damages: 500 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file 25.0% Bayesian D.max 10.0% 10.0% Mean \pm std 5.0% Median \pm 68 0.0% Mean Fragment Length = 60, 24.5% damaged reads (mean) in fasta file 25.0% Bayesian D.max 15.0% 10.0% 5.0° 5.0% 0.0% Mean Fragment Length = 90, 29.2% damaged reads (mean) in fasta file 25.0% Bayesian D.max 10.0% 10.0% 5.0% 0.0% 20 40 60 80 Iteration

Individual damages: 1000 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.3% damaged reads (mean) in fasta file 25.0% Bayesian D.max 10.0% 10.0% 5.0% Median \pm 68 0.0% Mean Fragment Length = 60, 24.7% damaged reads (mean) in fasta file 25.0% 20.0% Bayesian D-max 15.0% 10.0% 5.0% 5.0% 0.0% Mean Fragment Length = 90, 28.9% damaged reads (mean) in fasta file 25.0% Bayesian D.max 15.0% 10.09 5.0 5.0% 0.0% 20 40 60 80 Iteration

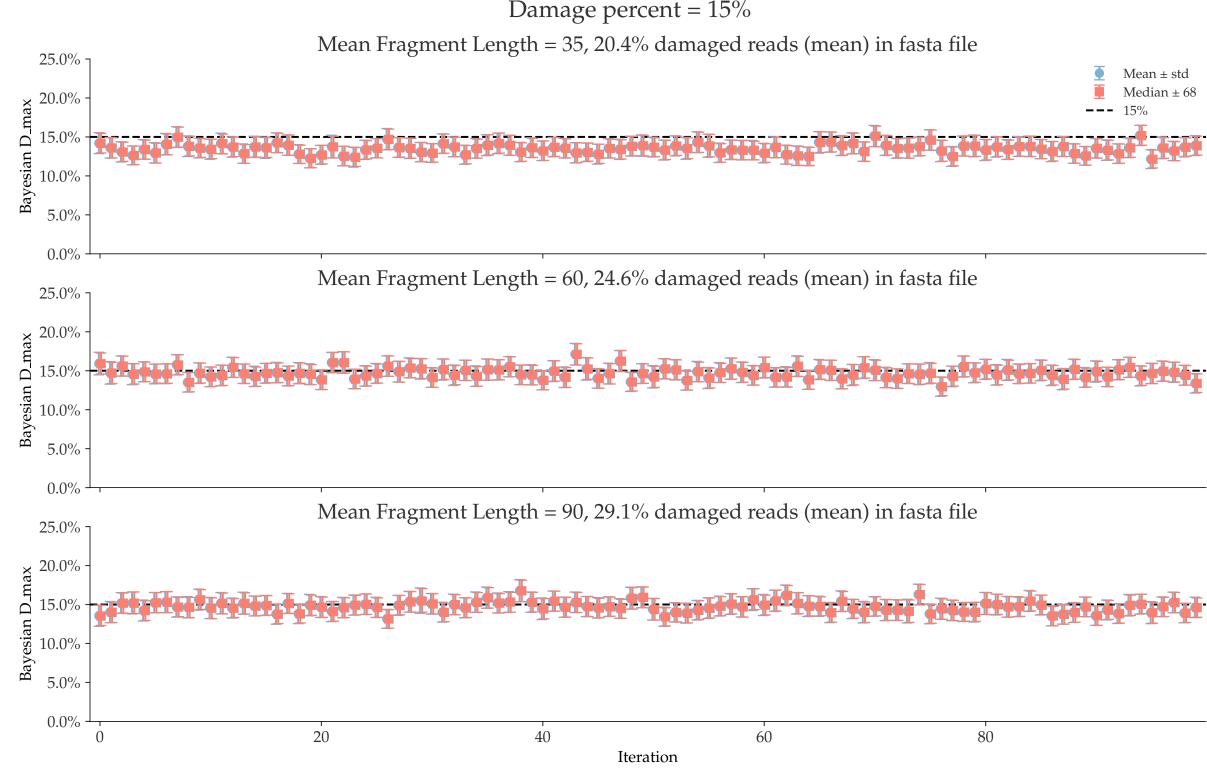
Bayesian D_max
Individual damages:
2500 reads
Briggs damage = 0.466
Damage percent = 15%

ngth = 35, 20.3% damaged reads (mean) in fas

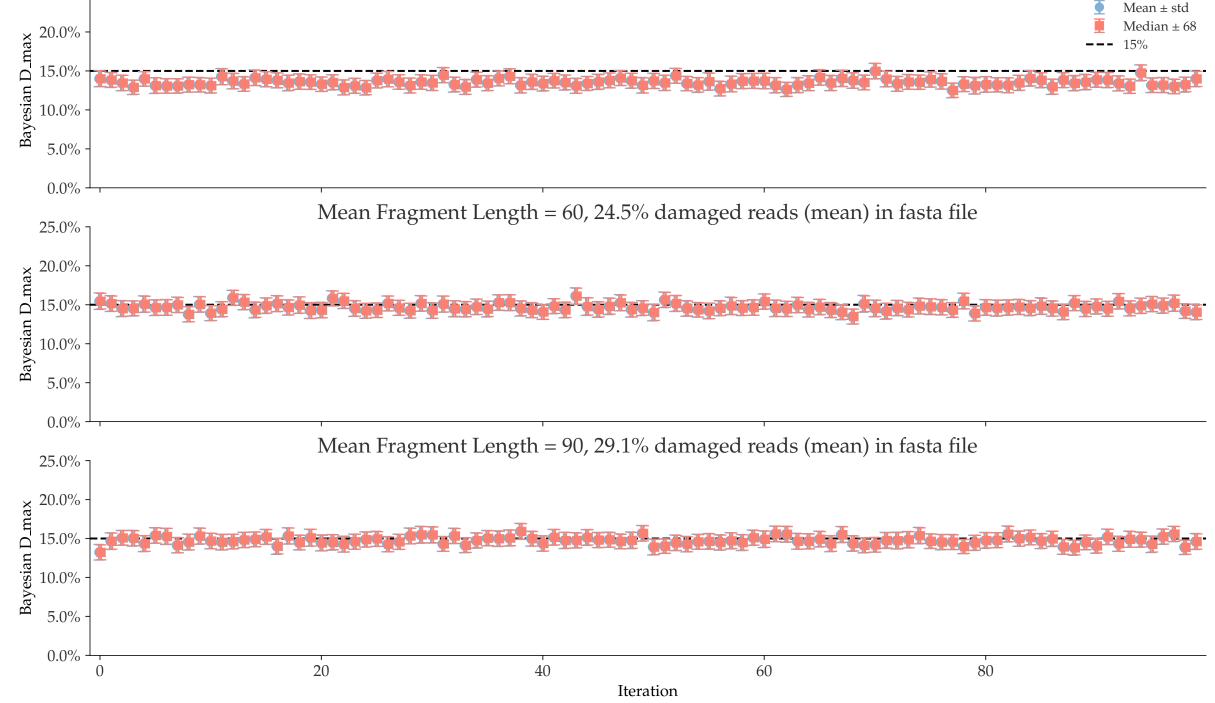


Bayesian D_max
Individual damages:
5000 reads
Briggs damage = 0.466
Damage percent = 15%

ngth = 35, 20.4% damaged reads (mean) in fa



Bayesian D_max Individual damages: 10000 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file



25.0%

Individual damages: 25000 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file 25.0% Mean \pm std Bayesian D_max 15.0% 10.0% Median \pm 68 5.0% 0.0% Mean Fragment Length = 60, 24.5% damaged reads (mean) in fasta file 25.0% Bayesian D-max 10.0% -5.0% 0.0% Mean Fragment Length = 90, 29.1% damaged reads (mean) in fasta file 25.0% -Bayesian D.max 15.0% 10.0% 5.0% 0.0% 20 60 80 40 Iteration

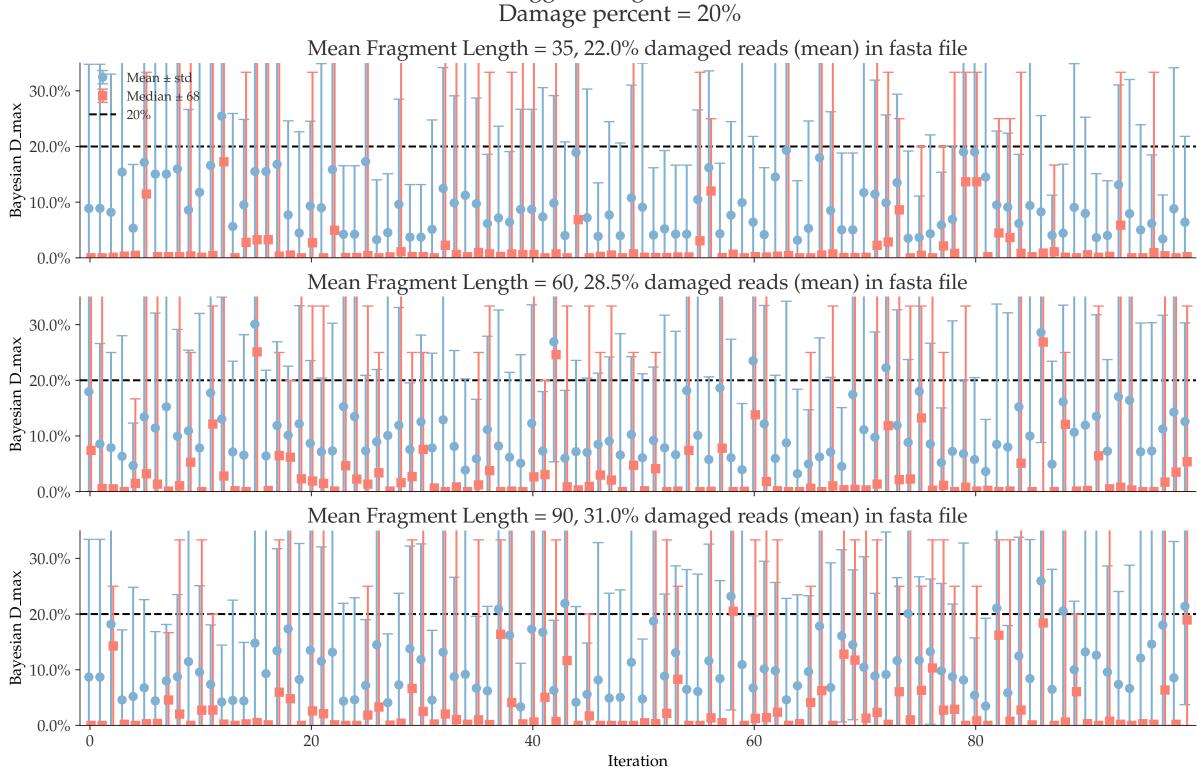
Individual damages: 50000 reads Briggs damage = 0.466Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file 25.0% Mean \pm std Bayesian D_max 15.0% 10.0% Median \pm 68 5.0% 0.0% Mean Fragment Length = 60, 24.5% damaged reads (mean) in fasta file 25.0% Bayesian D-max 15.0% 10.0% 5.0% 0.0% Mean Fragment Length = 90, 29.1% damaged reads (mean) in fasta file 25.0% -20.0% Payer and Dayer and 5.0% 0.0% 20 60 80 40 Iteration

Individual damages: 100000 reads Briggs damage = 0.466 Damage percent = 15% Mean Fragment Length = 35, 20.4% damaged reads (mean) in fasta file 25.0% Mean \pm std Bayesian D_max 15.0% 10.0% Median \pm 68 5.0% 0.0% Mean Fragment Length = 60, 24.5% damaged reads (mean) in fasta file 25.0% Bayesian D-max 10.0% -5.0% 0.0% Mean Fragment Length = 90, 29.1% damaged reads (mean) in fasta file 25.0% -20.0% Payer and Dayer and 5.0% 0.0% 20 60 80 40

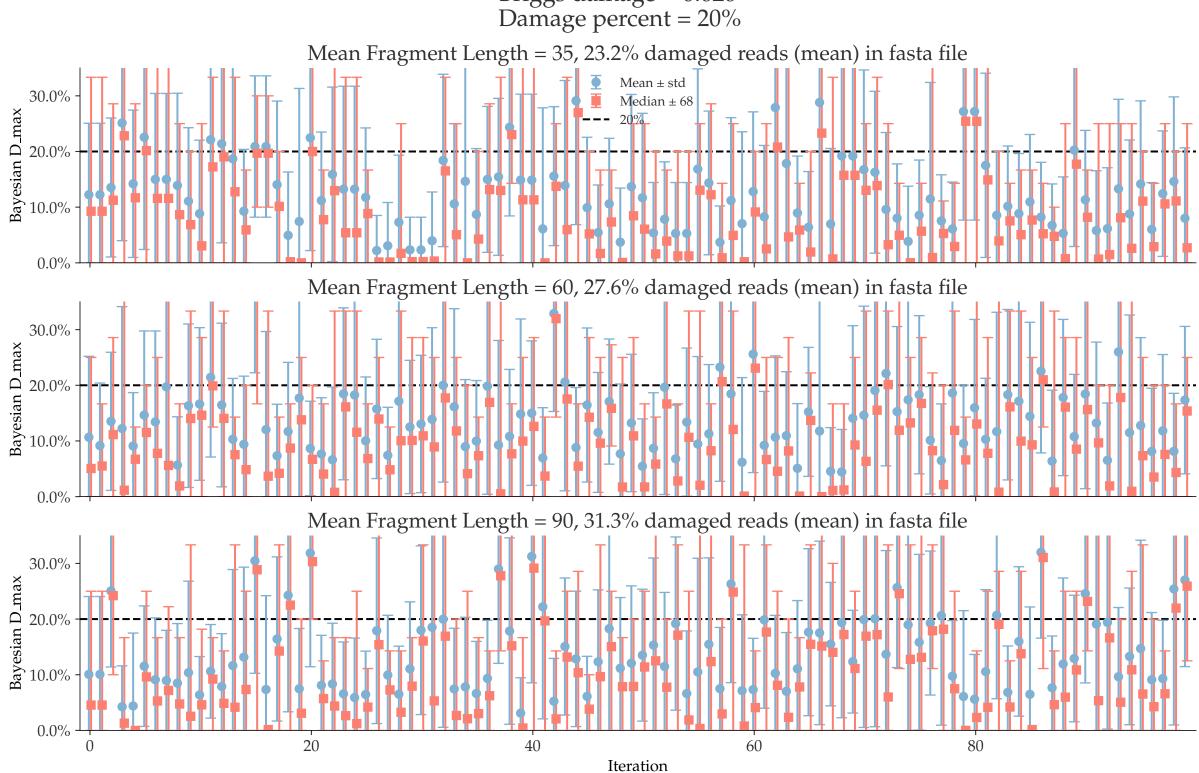
Iteration

Bayesian D_max
Individual damages:
10 reads
Briggs damage = 0.626
Damage percent = 20%

ngth = 35, 22.0% damaged re

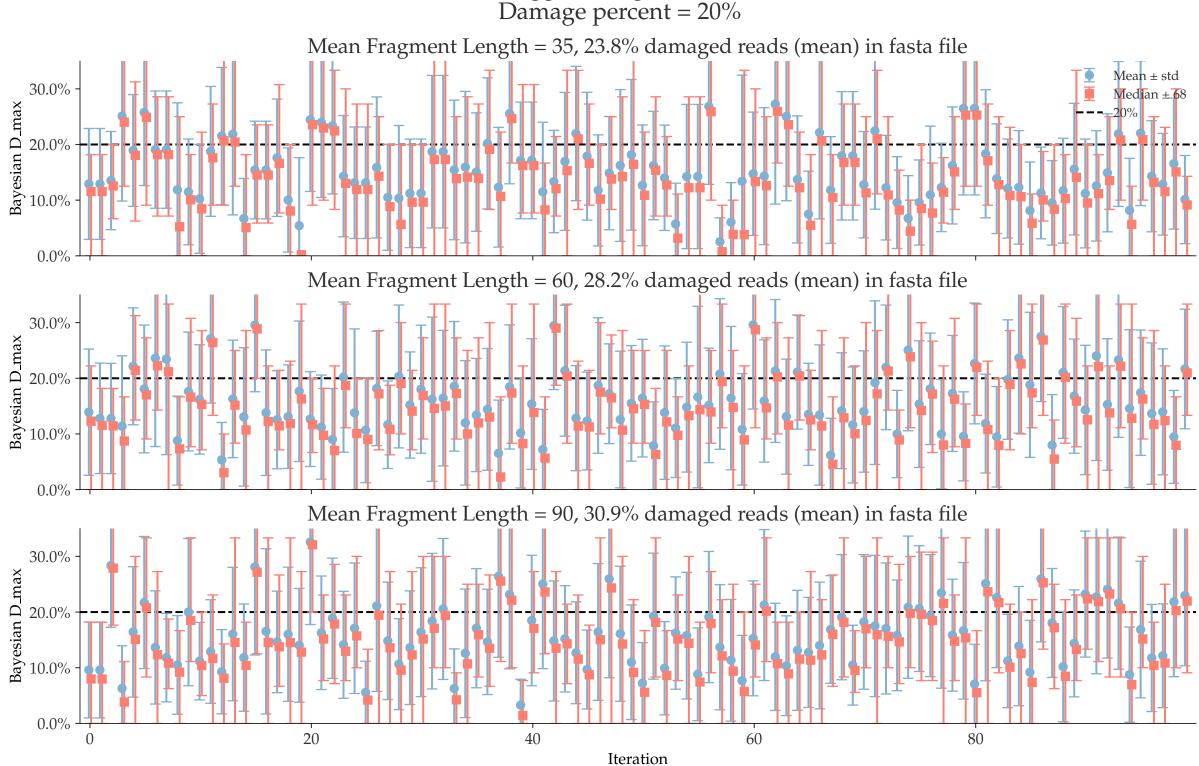


Bayesian D_max
Individual damages:
25 reads
Briggs damage = 0.626
Damage percent = 20%



Bayesian D_max
Individual damages:
50 reads
Briggs damage = 0.626
Damage percent = 20%

ngth = 35, 23.8% damaged re



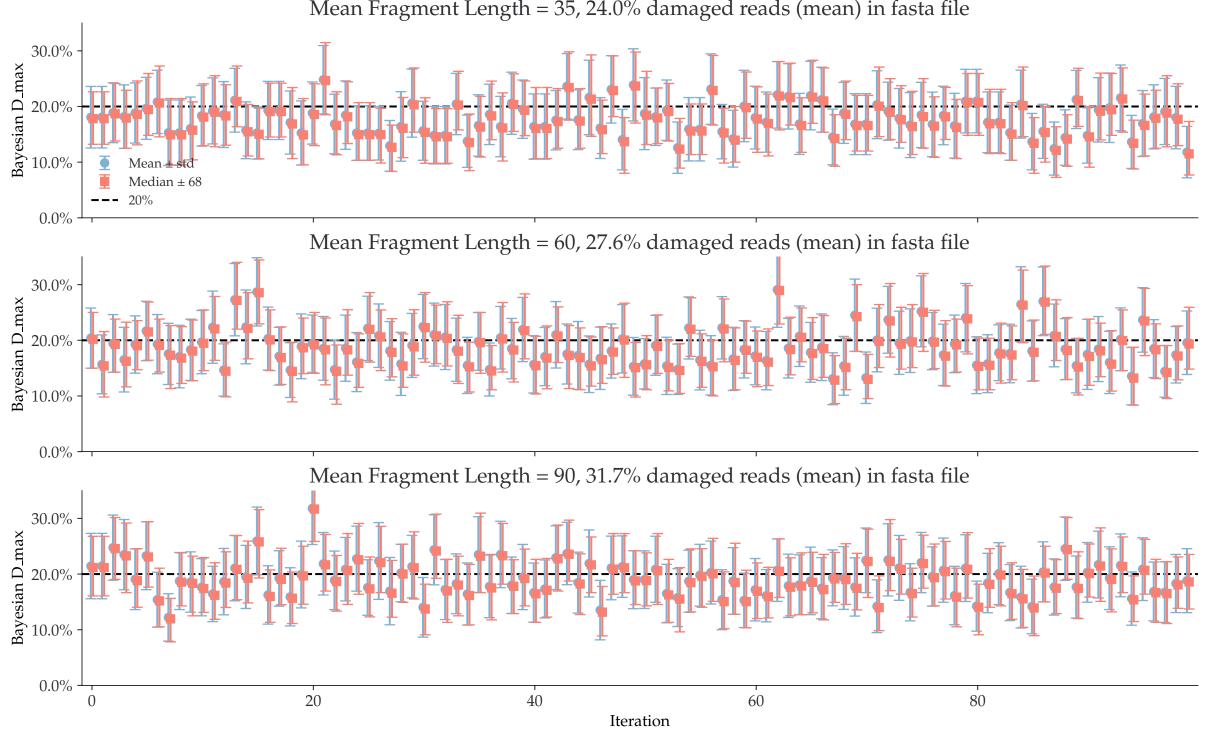
100 reads Briggs damage = 0.626 Damage percent = 20% Mean Fragment Length = 35, 24.5% damaged reads (mean) in fasta file Mean ± std 30.0% Median ± 68 Bayesian D.max 20.0% 10.0% 0.0% Mean Fragment Length = 60, 27.6% damaged reads (mean) in fasta file 30.0% Bayesian D_max 0.0% Mean Fragment Length = 90, 31.2% damaged reads (mean) in fasta file 30.0% Bayesian D_max 20.0% 10.0% 0.0% 20 40 60 80 0 Iteration

Bayesian D_max

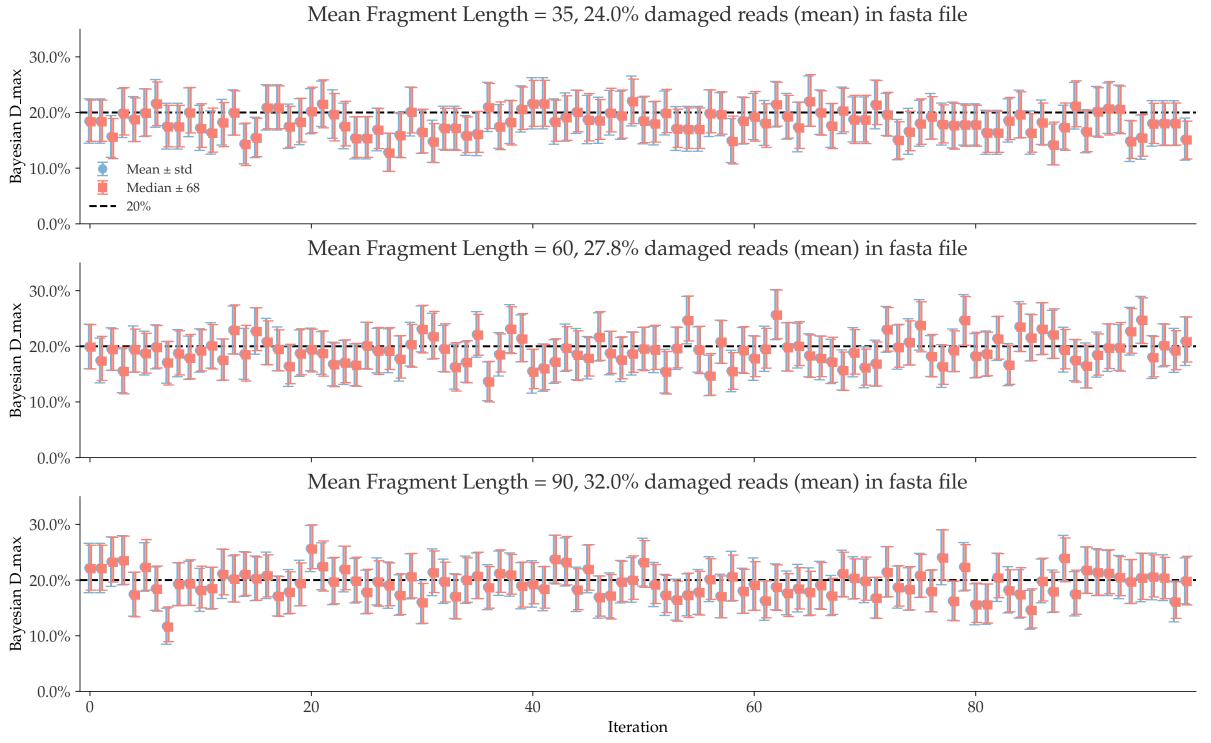
Individual damages:

Bayesian D_max Individual damages: 250 reads Briggs damage = 0.626 Damage percent = 20%

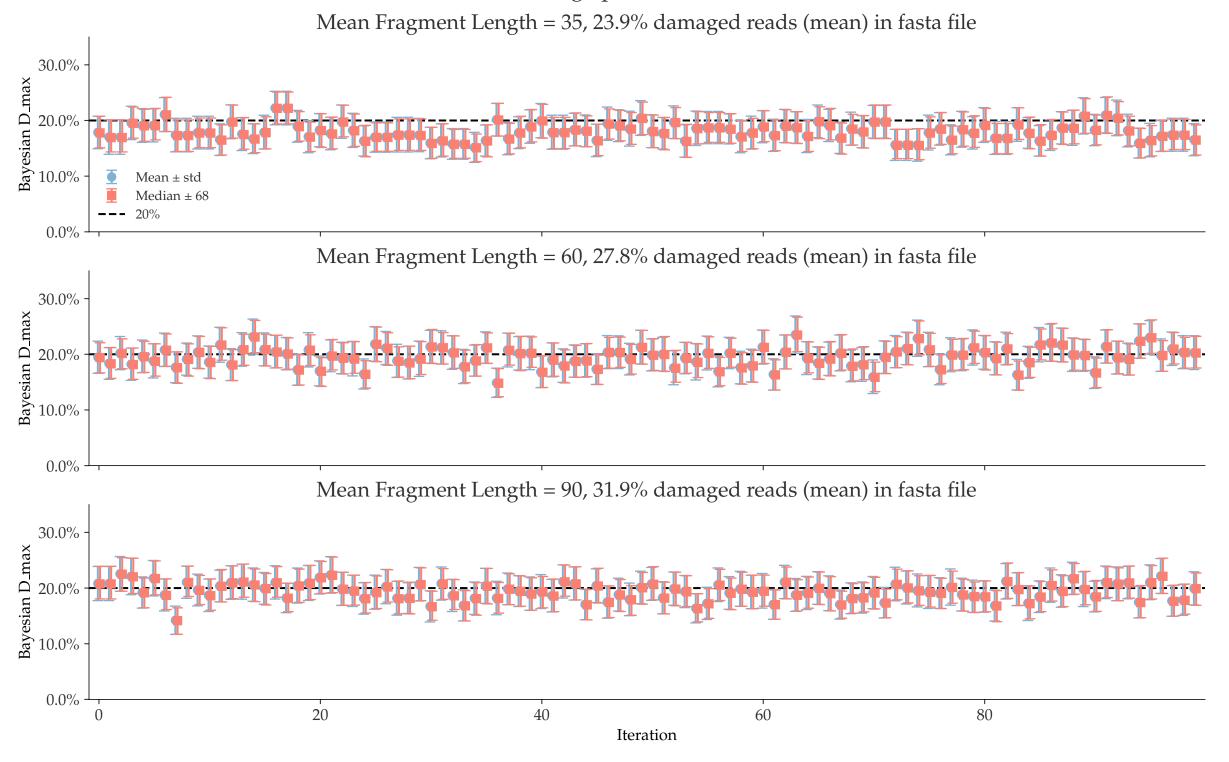
Mean Fragment Length = 35, 24.0% damaged reads (mean) in fasta file



Bayesian D_max Individual damages: 500 reads Briggs damage = 0.626 Damage percent = 20%

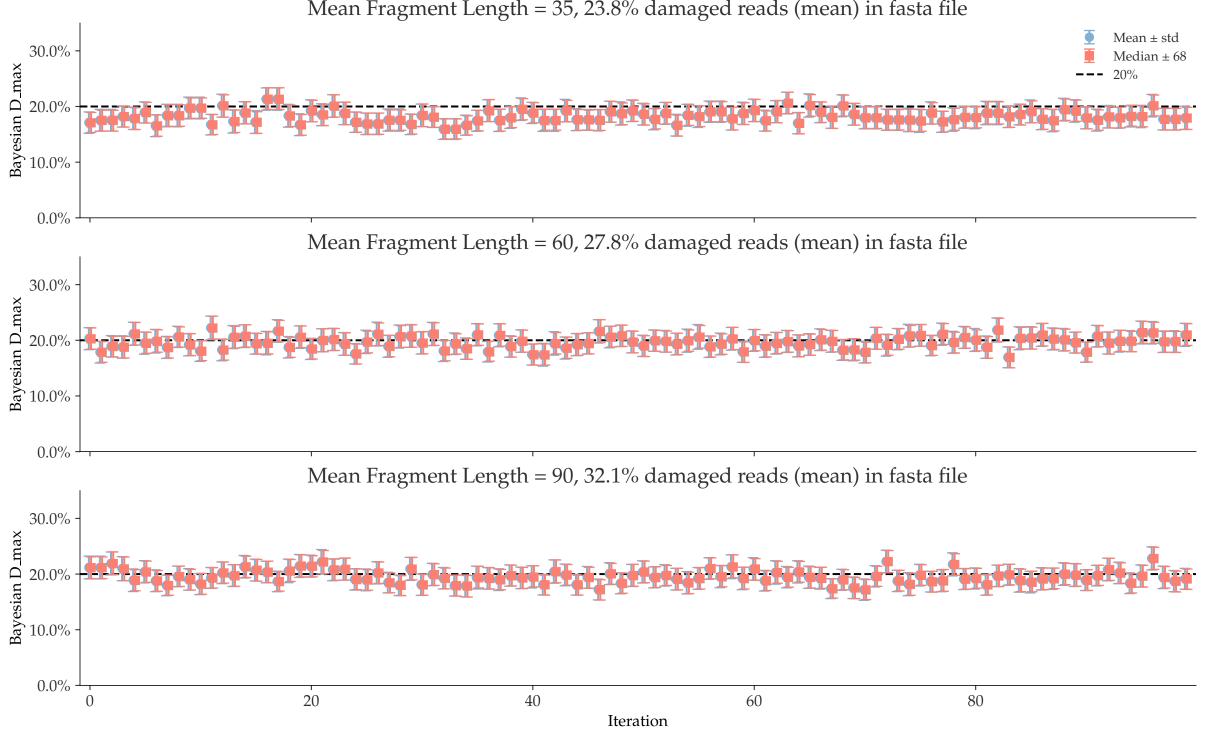


Bayesian D_max Individual damages: 1000 reads Briggs damage = 0.626 Damage percent = 20%



Bayesian D_max Individual damages: 2500 reads Briggs damage = 0.626 Damage percent = 20%

Mean Fragment Length = 35, 23.8% damaged reads (mean) in fasta file



Individual damages: 5000 reads Briggs damage = 0.626 Damage percent = 20% Mean Fragment Length = 35, 23.9% damaged reads (mean) in fasta file Mean \pm std 30.0% Median \pm 68 Bayesian D_max 20.0% 10.0% 0.0% Mean Fragment Length = 60, 27.8% damaged reads (mean) in fasta file 30.0% Bayesian D-max 10.0% 0.0% Mean Fragment Length = 90, 32.2% damaged reads (mean) in fasta file 30.0% Bayesian D.max 20.0% 10.0% 0.0% 20 40 60 80 Iteration

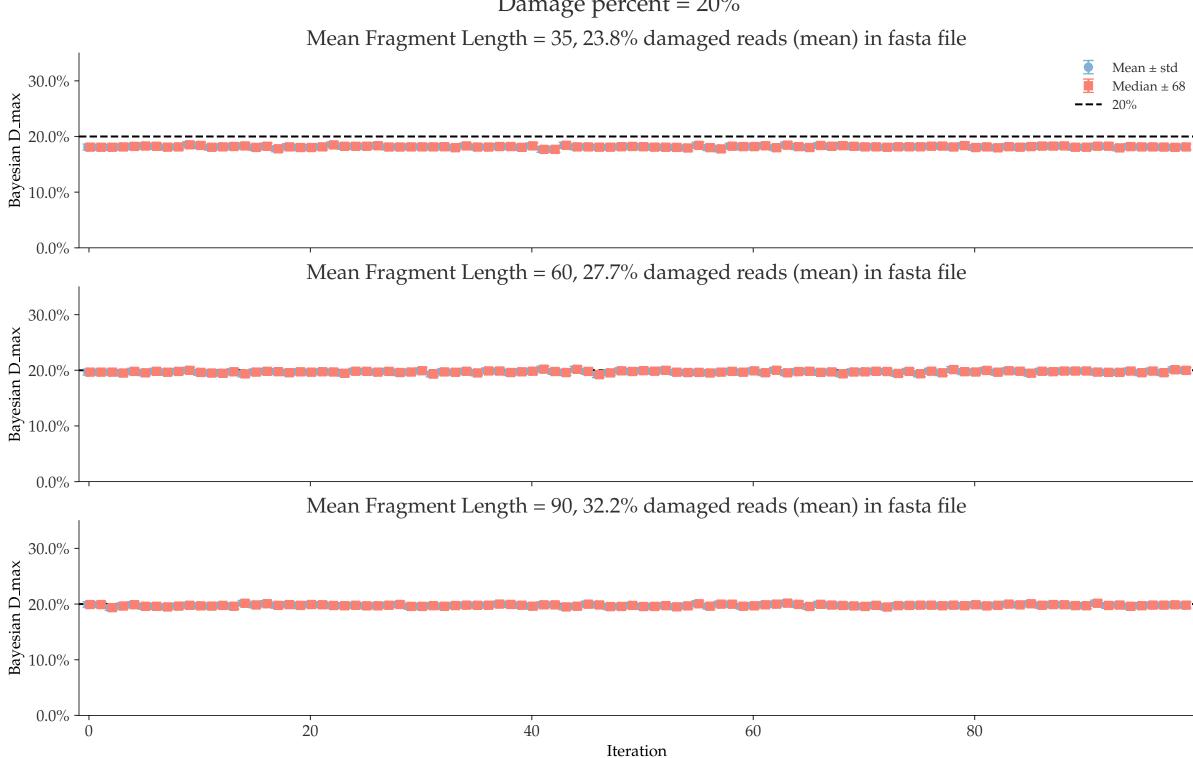
Bayesian D_max Individual damages: 10000 reads Briggs damage = 0.626 Damage percent = 20% Mean Fragment Length = 35, 23.8% damaged reads (mean) in fasta file Mean \pm std 30.0% Median \pm 68 Bayesian D_max 10.0% 0.0% Mean Fragment Length = 60, 27.7% damaged reads (mean) in fasta file 30.0% Bayesian D-max 0.0% 0.0% Mean Fragment Length = 90, 32.2% damaged reads (mean) in fasta file 30.0% Bayesian D-max 10.0% 0.0% 20 40 60 80 Iteration

Individual damages: 25000 reads Briggs damage = 0.626Damage percent = 20% Mean Fragment Length = 35, 23.8% damaged reads (mean) in fasta file Mean \pm std 30.0% Median \pm 68 Bayesian D_max 10.0% 0.0% Mean Fragment Length = 60, 27.7% damaged reads (mean) in fasta file 30.0% Bayesian D-max 20.0% 10.0% 0.0% Mean Fragment Length = 90, 32.2% damaged reads (mean) in fasta file 30.0% Bayesian D-max 10.0% 0.0% 20 40 60 80 Iteration

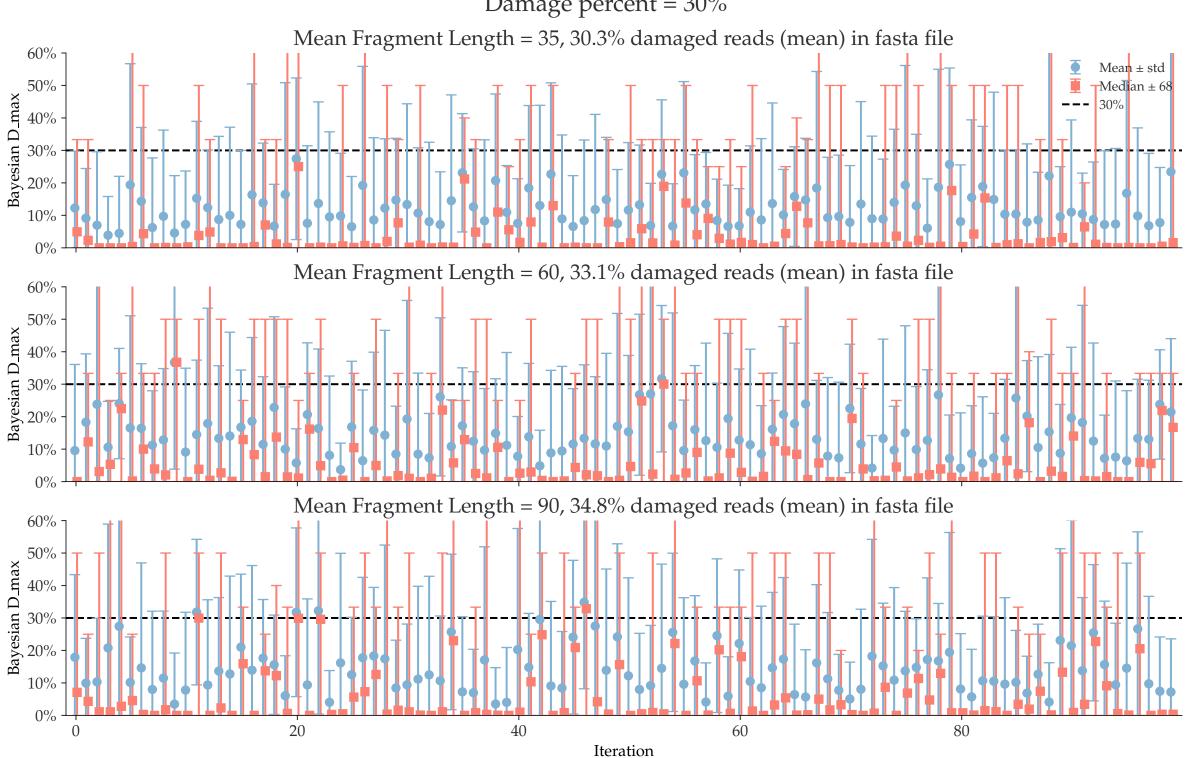
Individual damages: 50000 reads Briggs damage = 0.626Damage percent = 20% Mean Fragment Length = 35, 23.8% damaged reads (mean) in fasta file Mean \pm std 30.0% Median \pm 68 Bayesian D-max 10.0% 0.0% Mean Fragment Length = 60, 27.7% damaged reads (mean) in fasta file 30.0% Bayesian D-max 20.0% 10.0% 0.0% Mean Fragment Length = 90, 32.1% damaged reads (mean) in fasta file 30.0% Bayesian D-max 10.0% 0.0% 20 40 60 80 Iteration

Bayesian D_max
Individual damages:
100000 reads
Briggs damage = 0.626
Damage percent = 20%

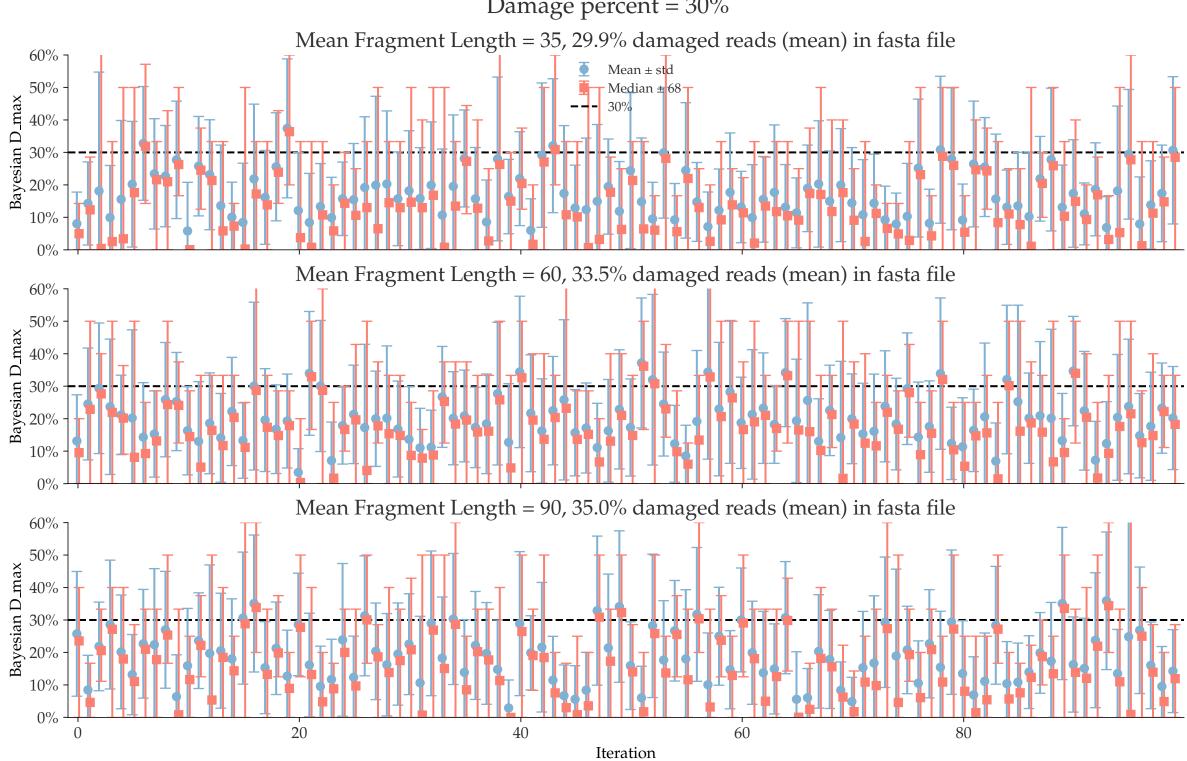
ngth = 35, 23.8% damaged reads (mea



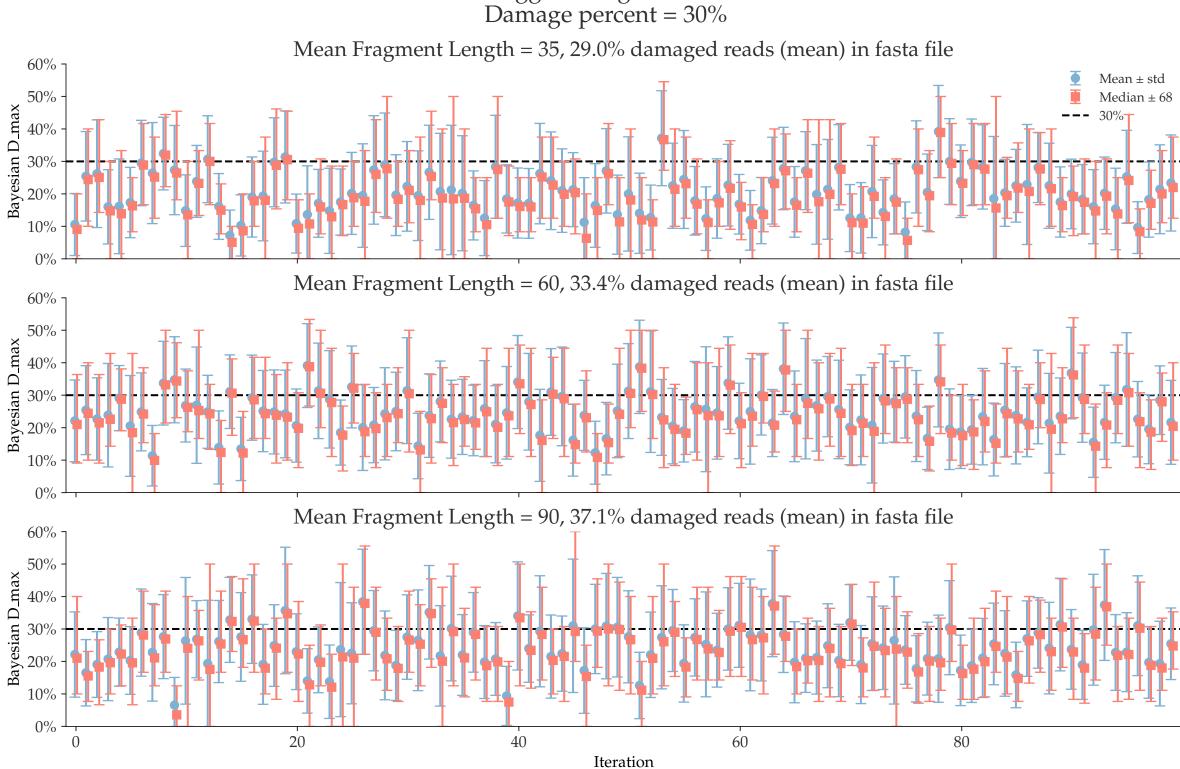
Bayesian D_max
Individual damages:
10 reads
Briggs damage = 0.96
Damage percent = 30%



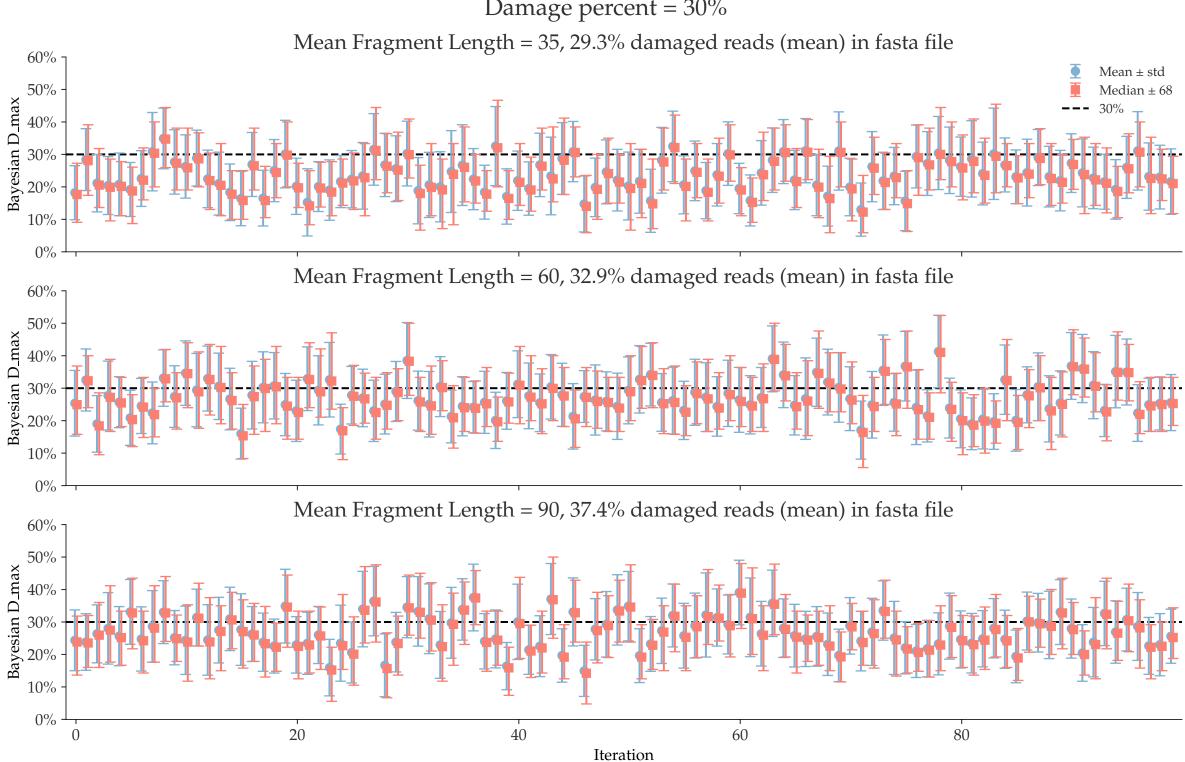
Bayesian D_max Individual damages: 25 reads Briggs damage = 0.96 Damage percent = 30%



Bayesian D_max
Individual damages:
50 reads
Briggs damage = 0.96
Damage percent = 30%



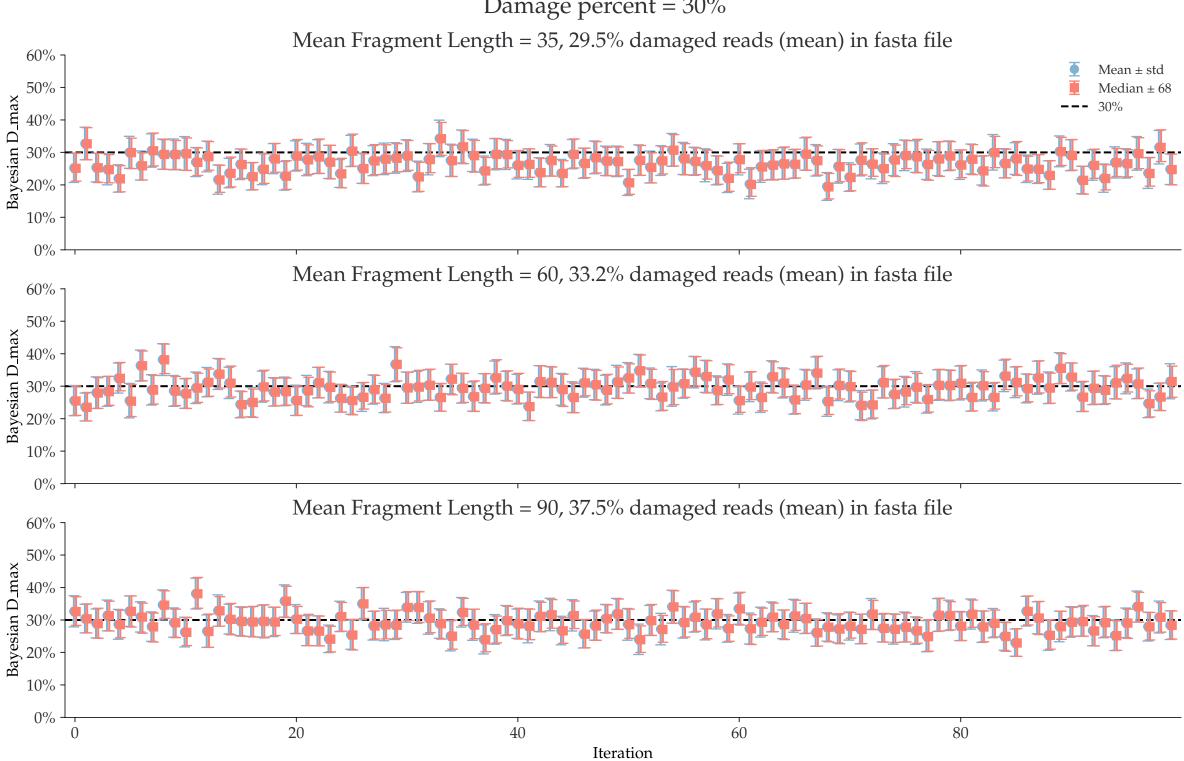
Bayesian D_max Individual damages: 100 reads Briggs damage = 0.96 Damage percent = 30%



Individual damages: 250 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.4% damaged reads (mean) in fasta file 60% Mean \pm std 50% Median \pm 68 Bayesian D_max 10% 0% Mean Fragment Length = 60, 33.2% damaged reads (mean) in fasta file 60% 50% Bayesian D_max 10% Mean Fragment Length = 90, 37.4% damaged reads (mean) in fasta file 60% Bayesian D_max 10% 0% 20 40 60 80 0 Iteration

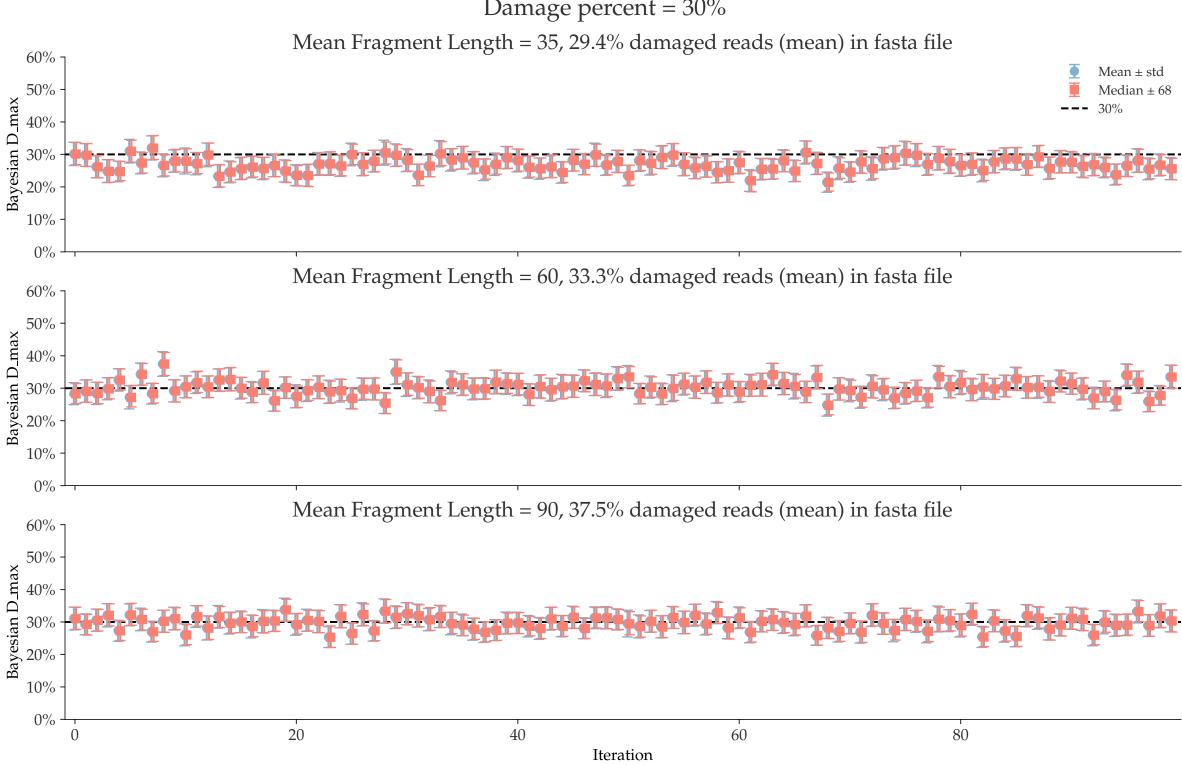
Bayesian D_max
Individual damages:
500 reads
Briggs damage = 0.96
Damage percent = 30%

ngth = 35, 29.5% damaged reads (m



Bayesian D_max
Individual damages:
1000 reads
Briggs damage = 0.96
Damage percent = 30%

ngth = 35, 29.4% damaged reads (mean) in f



Bayesian D_max Individual damages: 2500 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.6% damaged reads (mean) in fasta file Mean \pm std Median \pm 68 Mean Fragment Length = 60, 33.4% damaged reads (mean) in fasta file Mean Fragment Length = 90, 37.4% damaged reads (mean) in fasta file 20 40 60 80 Iteration

60% -

50%

Bayesian D-max 40% 20% 20%

10%

0%

60% -

50%

40%

10%

60% -

40%

10%

0%

Bayesian D_max

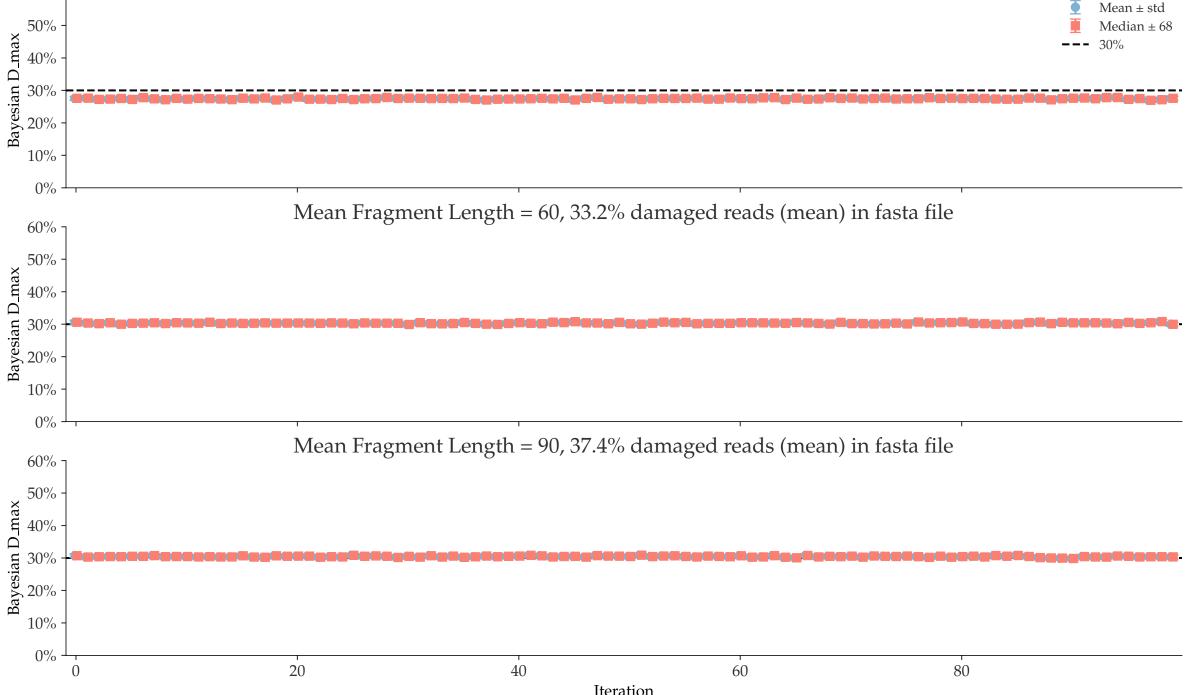
Individual damages: 5000 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.7% damaged reads (mean) in fasta file 60% Mean \pm std 50% Median \pm 68 Bayesian D-max 40% 20% 20% 10% 0% Mean Fragment Length = 60, 33.3% damaged reads (mean) in fasta file 60% -50% Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 90, 37.4% damaged reads (mean) in fasta file 60% -Bayesian D_max 40% 20% 20% 10% 20 40 60 80 Iteration

Individual damages: 10000 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.7% damaged reads (mean) in fasta file 60% Mean \pm std 50% Median \pm 68 Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 60, 33.3% damaged reads (mean) in fasta file 60% 50% Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 90, 37.4% damaged reads (mean) in fasta file 60% -Bayesian D_max 40% 20% 20% 10% 20 60 80 40 Iteration

Individual damages: 25000 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.7% damaged reads (mean) in fasta file 60% Mean \pm std 50% Median \pm 68 Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 60, 33.3% damaged reads (mean) in fasta file 60% Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 90, 37.3% damaged reads (mean) in fasta file 60% -Bayesian D_max 40% 20% 20% 10% 20 60 80 40 Iteration

Individual damages: 50000 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.7% damaged reads (mean) in fasta file 60% Mean \pm std 50% Median \pm 68 Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 60, 33.3% damaged reads (mean) in fasta file 60% Bayesian D-max 40% 20% 20% 10% Mean Fragment Length = 90, 37.3% damaged reads (mean) in fasta file 60% -Bayesian D_max 40% 20% 20% 10% 20 60 80 40 Iteration

Bayesian D_max Individual damages: 100000 reads Briggs damage = 0.96 Damage percent = 30% Mean Fragment Length = 35, 29.7% damaged reads (mean) in fasta file



60%

