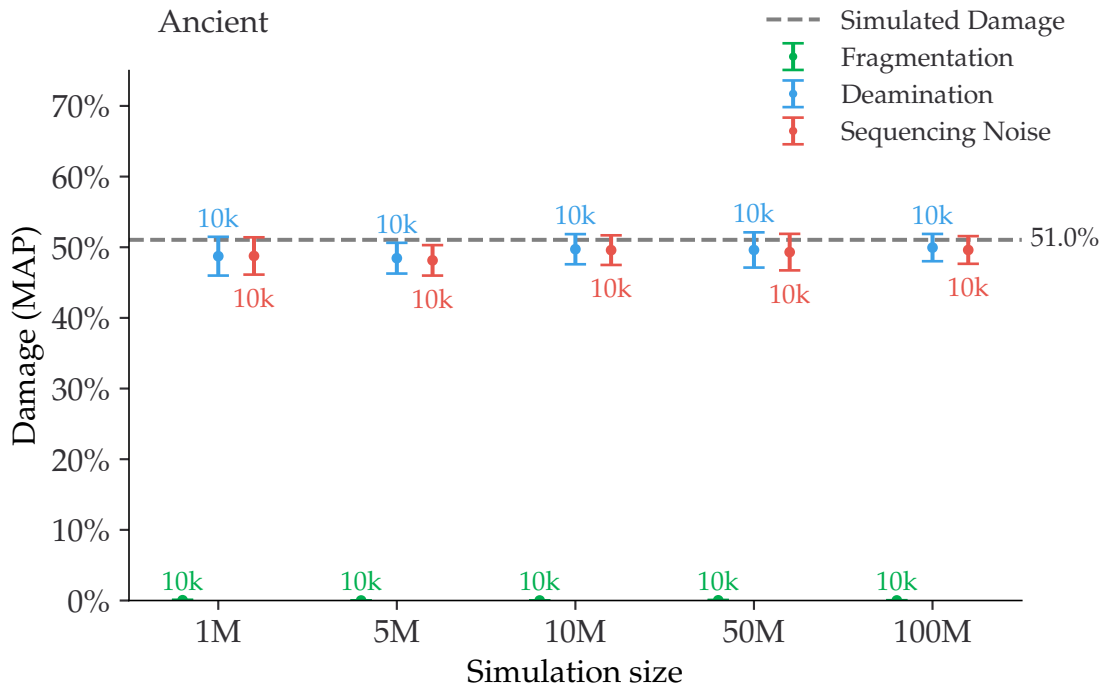


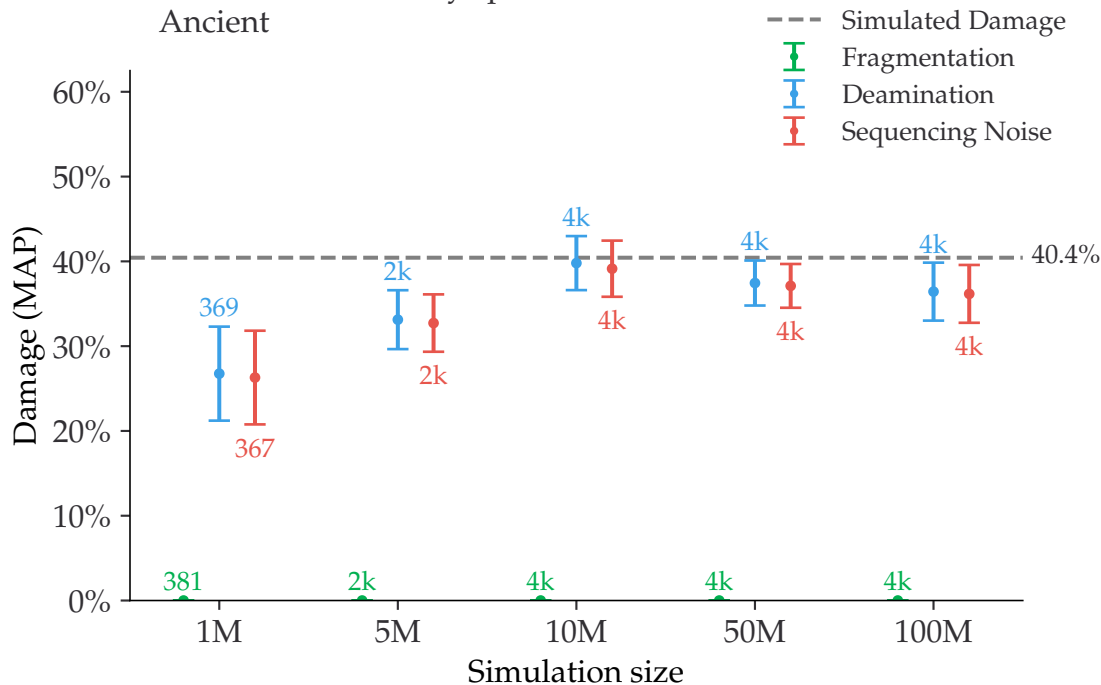
Cave-100-forward  
Tax ID: 136332, s\_\_Crocota crocuta  
Ancient



Cave-100-forward

Tax ID: 115023, s\_\_Erysipelothrix tonsillarum

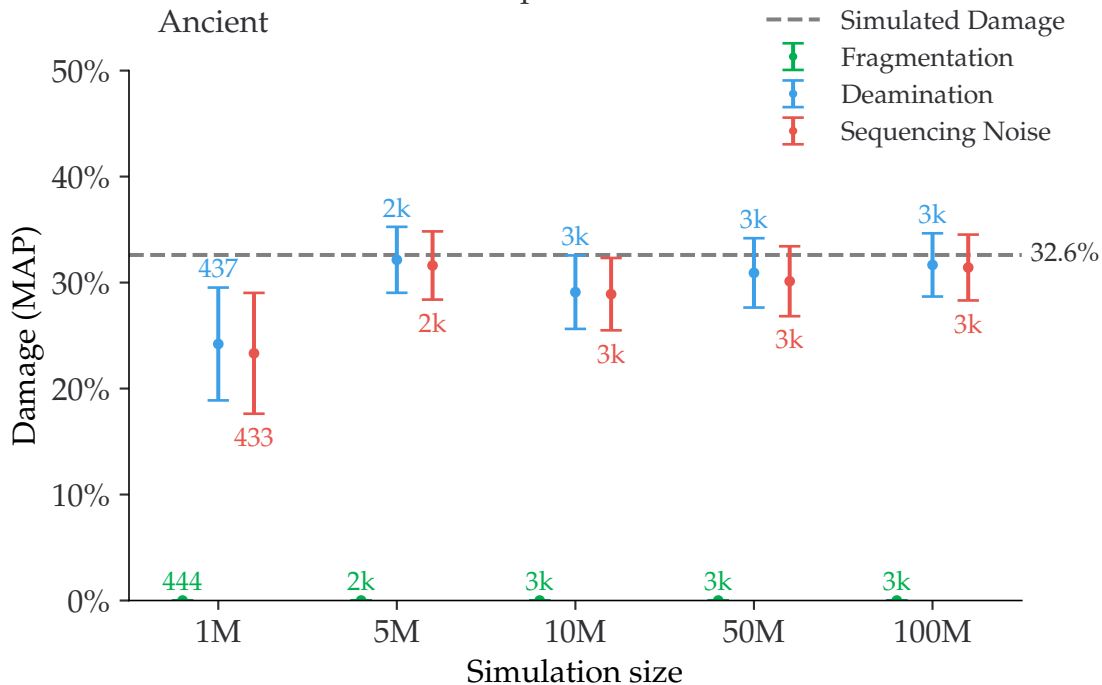
Ancient



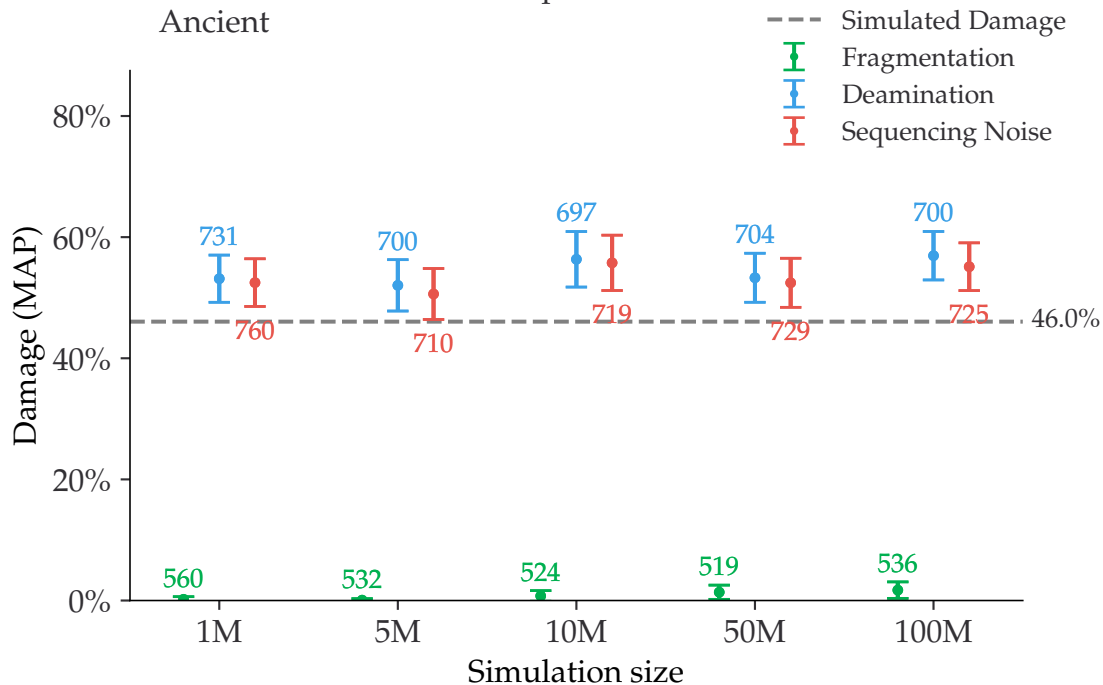
Cave-100-forward

Tax ID: 76533, s\_\_CSP1-1 sp001443365

Ancient



Cave-100-forward  
Tax ID: 134313, s\_\_Homo sapiens  
Ancient

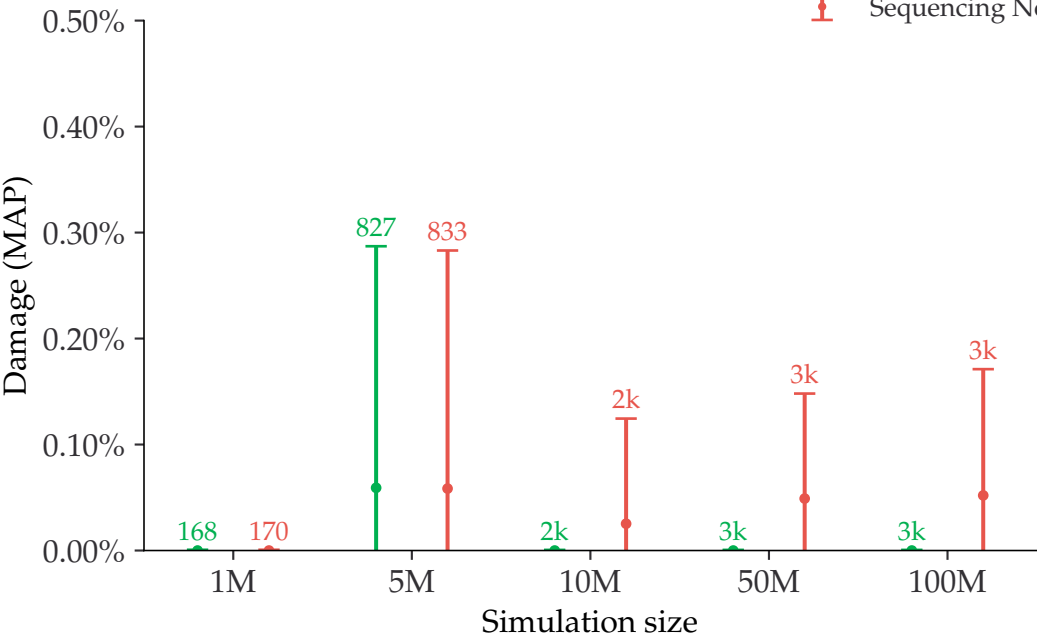


Cave-100-forward

Tax ID: 97995, s\_\_Palsa-1315 sp005887945

Non-ancient

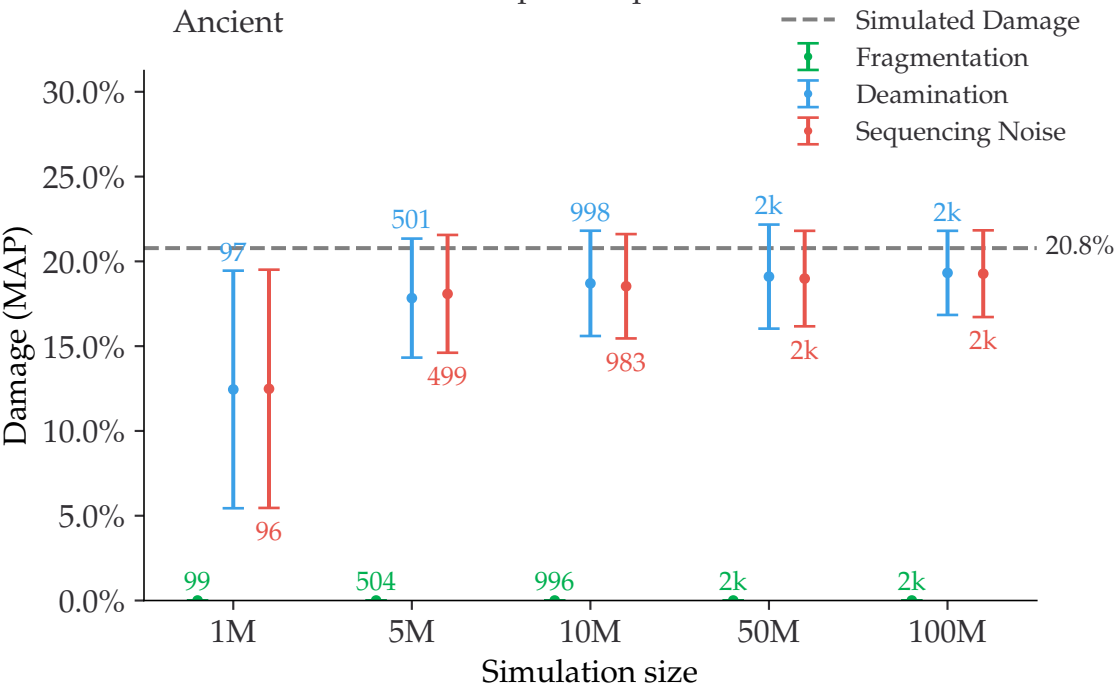
Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 104111, s\_\_Nitrospira\_A sp013696305

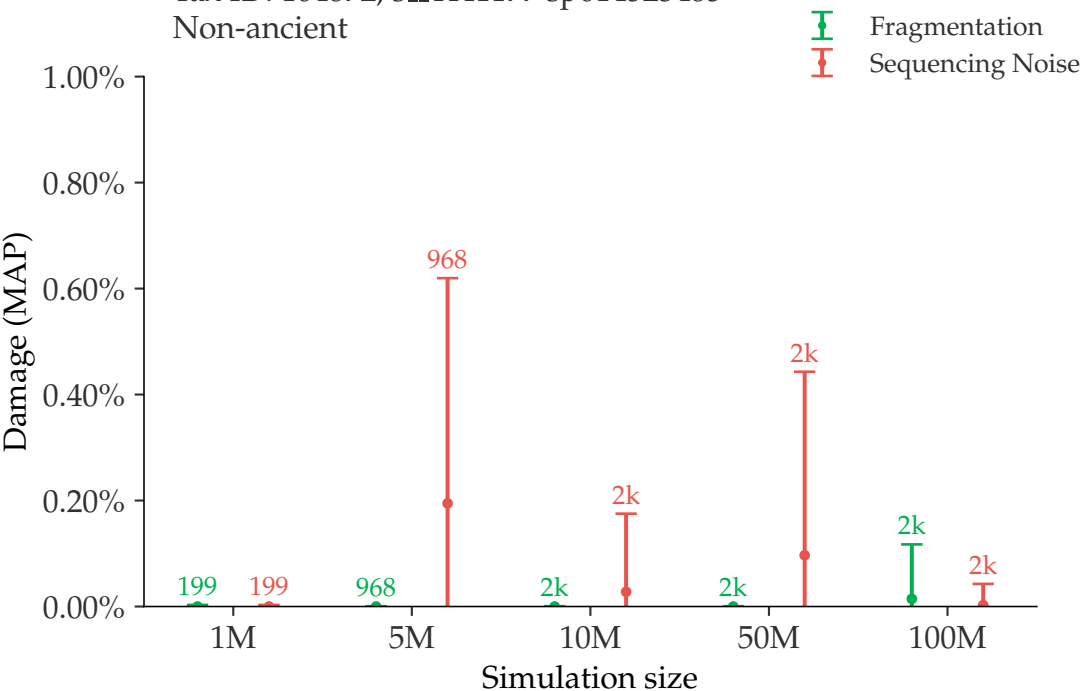
Ancient



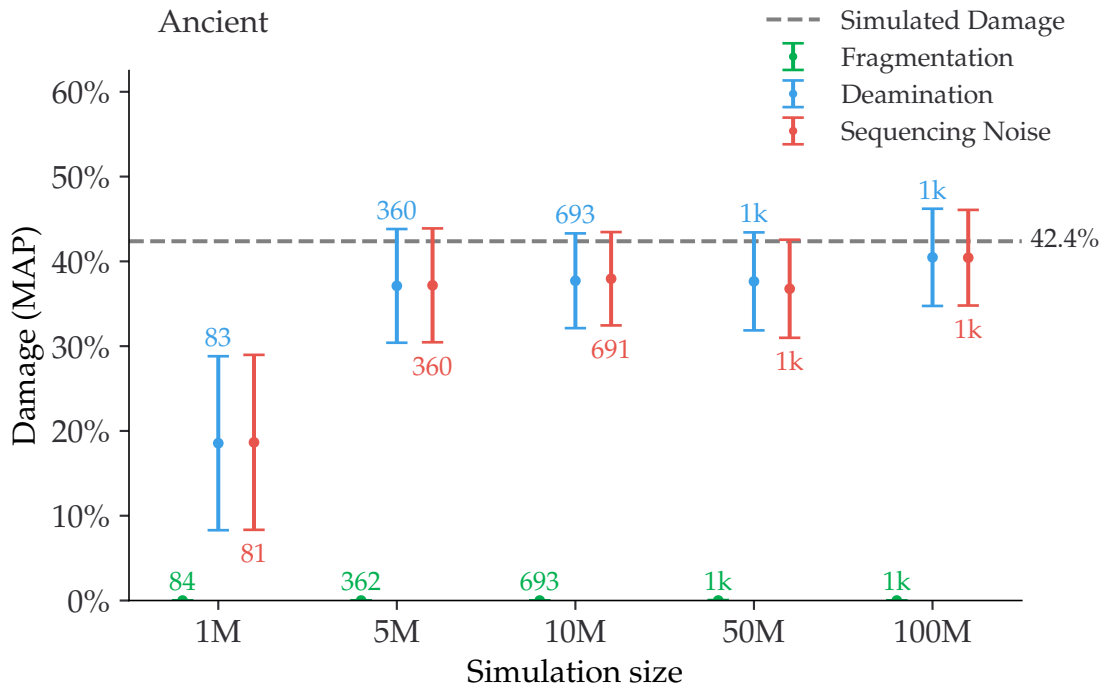
Cave-100-forward

Tax ID: 104872, s\_\_TH1177 sp014523485

Non-ancient



Cave-100-forward  
Tax ID: 113467, s\_\_Proteus mirabilis  
Ancient

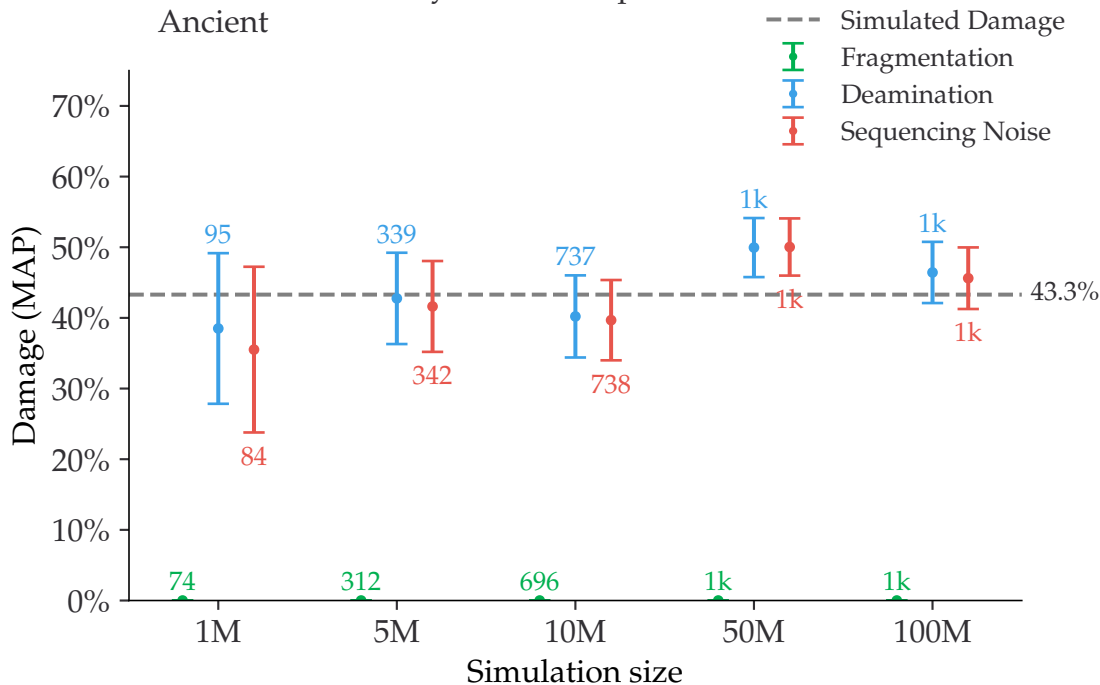




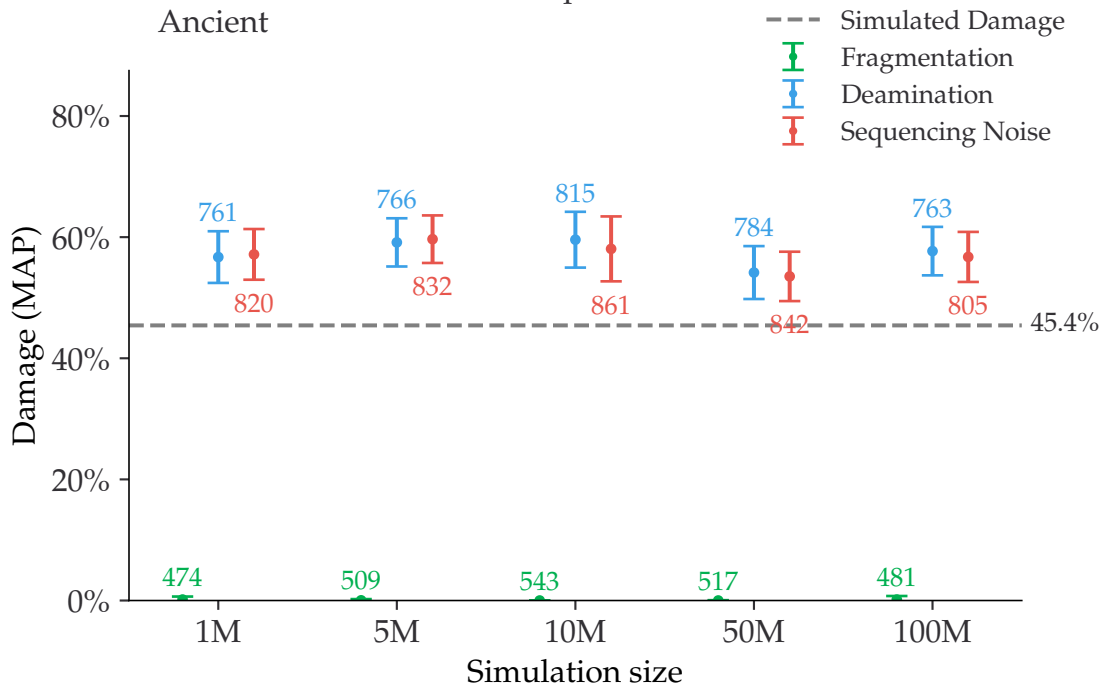
Cave-100-forward

Tax ID: 81645, s\_\_Psychrobacter sp002352555

Ancient



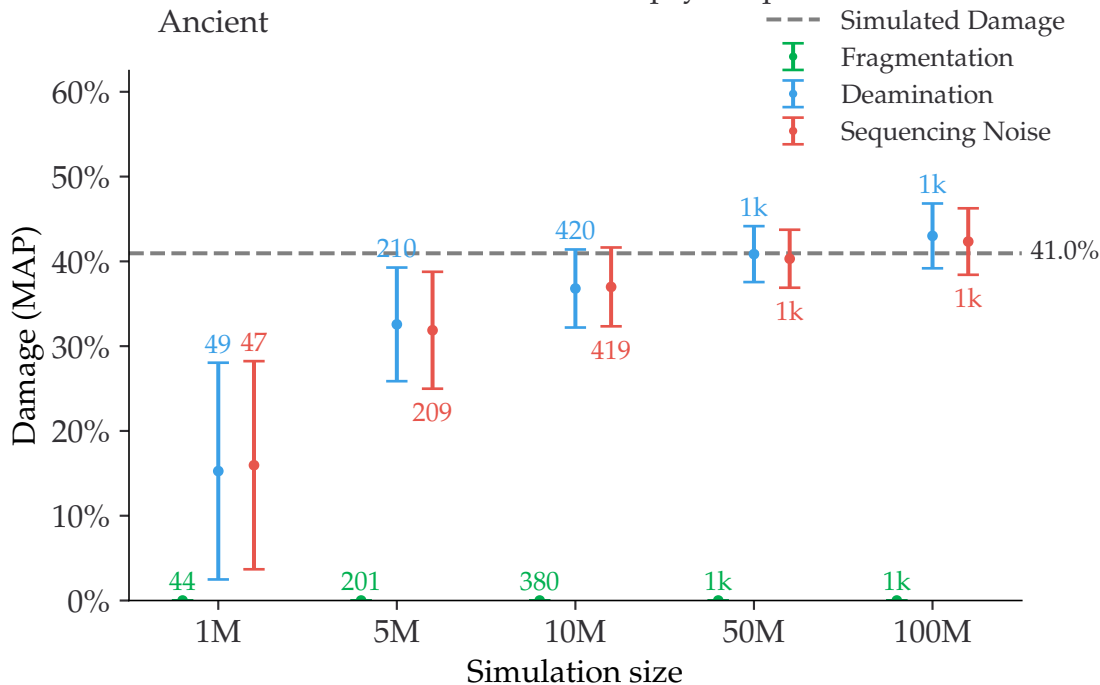
Cave-100-forward  
Tax ID: 133644, s\_\_Cervus elaphus  
Ancient



Cave-100-forward

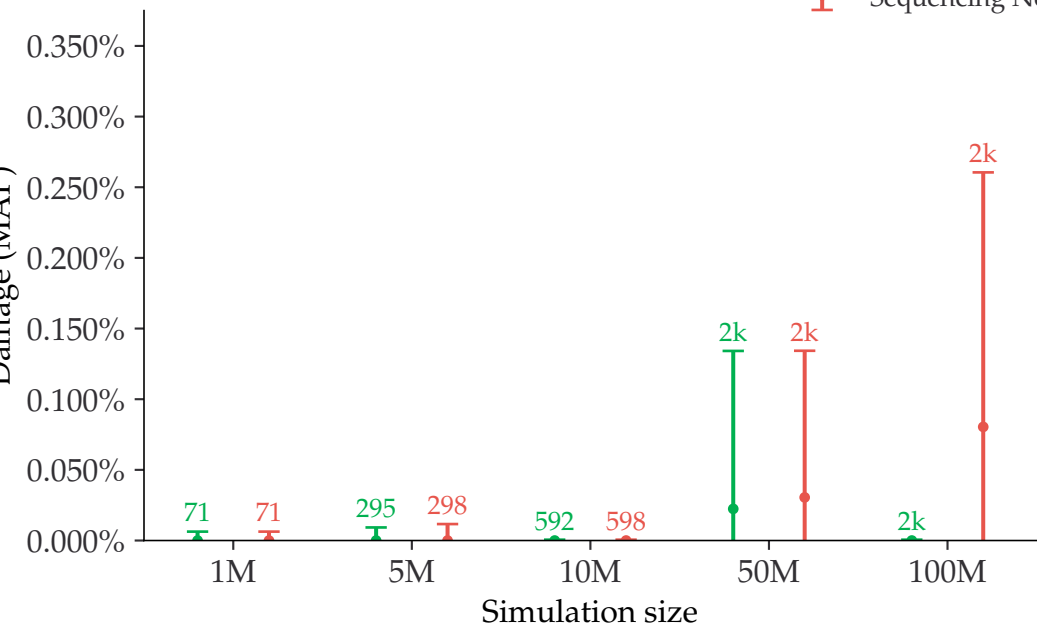
Tax ID: 118030, s\_\_Pseudomonas\_E psychrophila

Ancient



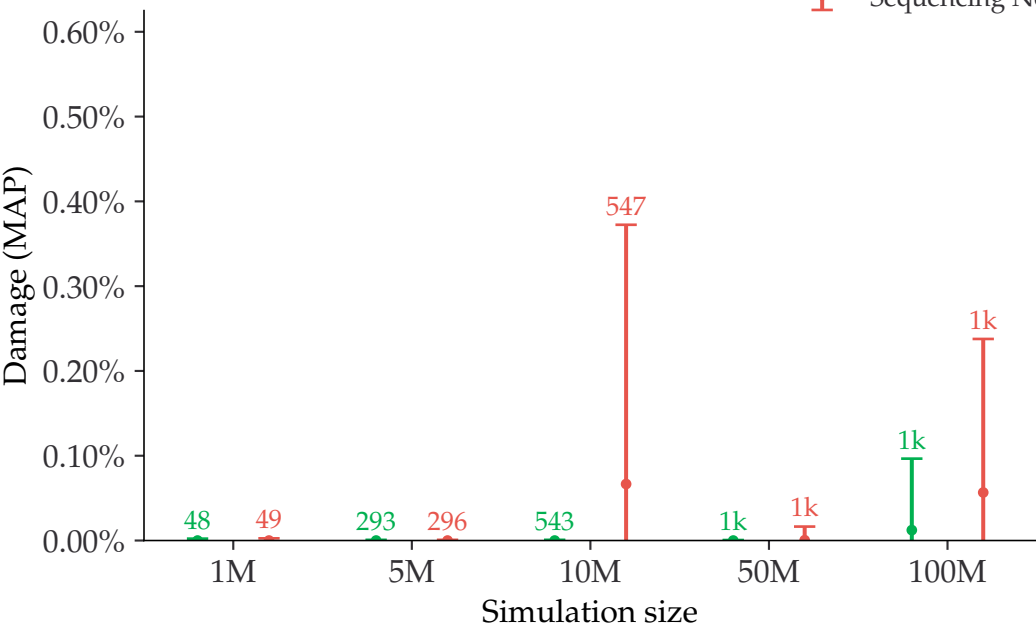
Cave-100-forward  
Tax ID: 90112, s\_\_AR31 sp003221515  
Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward  
Tax ID: 103150, s\_\_Vibrio cholerae  
Non-ancient

Fragmentation  
Sequencing Noise

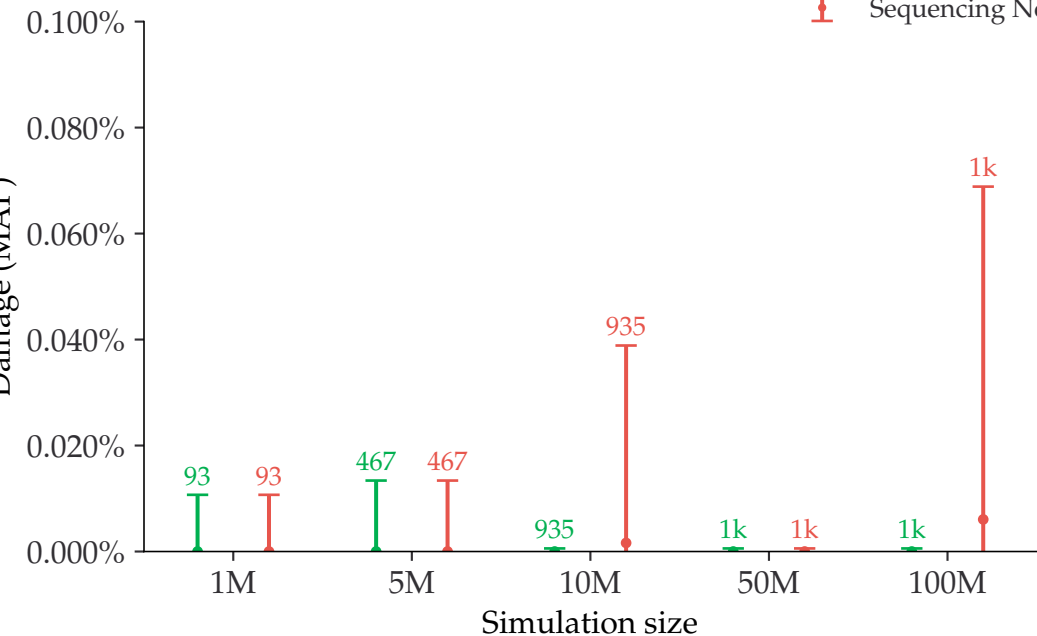


Cave-100-forward

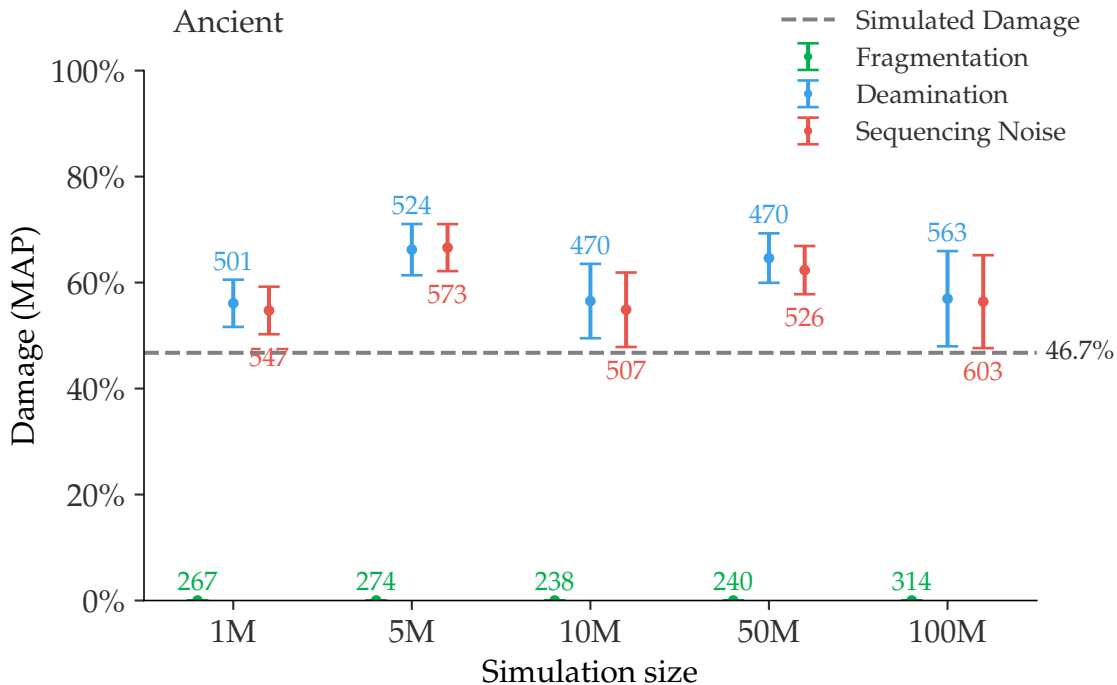
Tax ID: 72334, s\_RBG-1 sp000447245

Non-ancient

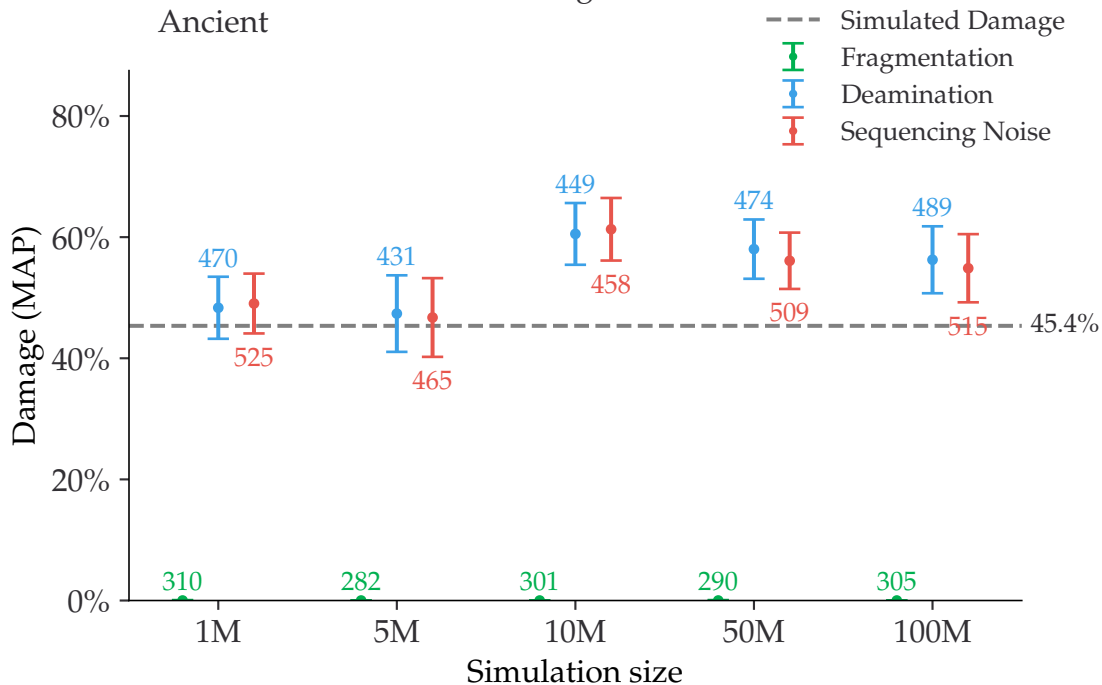
Fragmentation  
Sequencing Noise



Cave-100-forward  
Tax ID: 133395, s\_\_Bos indicus  
Ancient



Cave-100-forward  
Tax ID: 134948, s\_\_Cervus hanglu  
Ancient

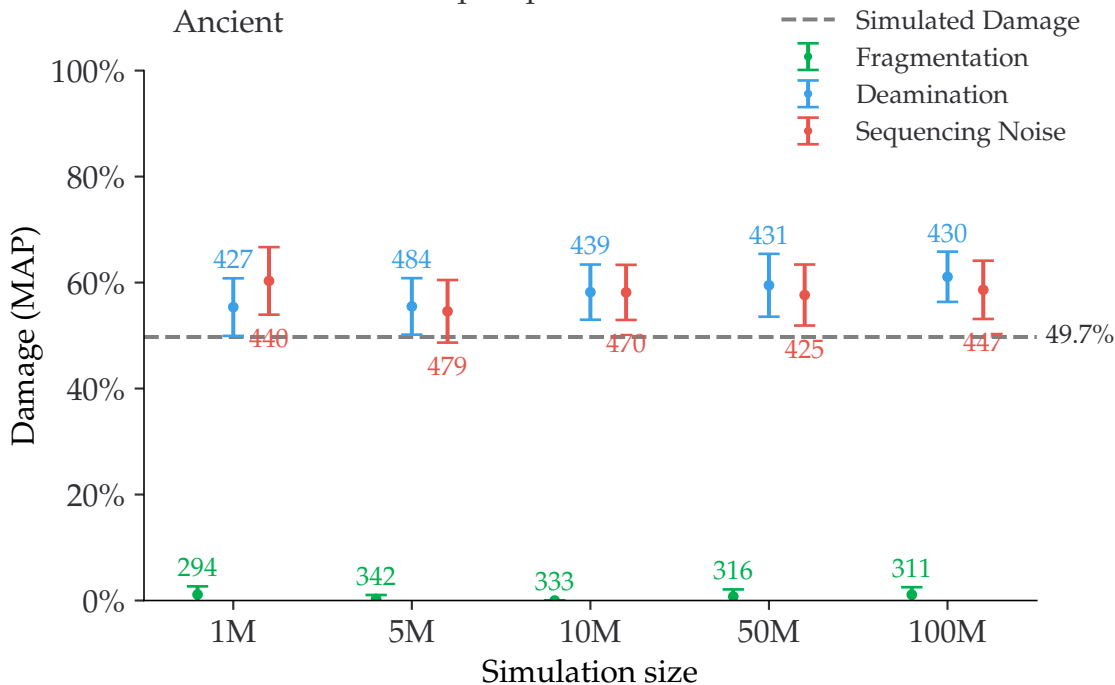




Cave-100-forward

Tax ID: 137438, s\_\_Equus przewalskii

Ancient

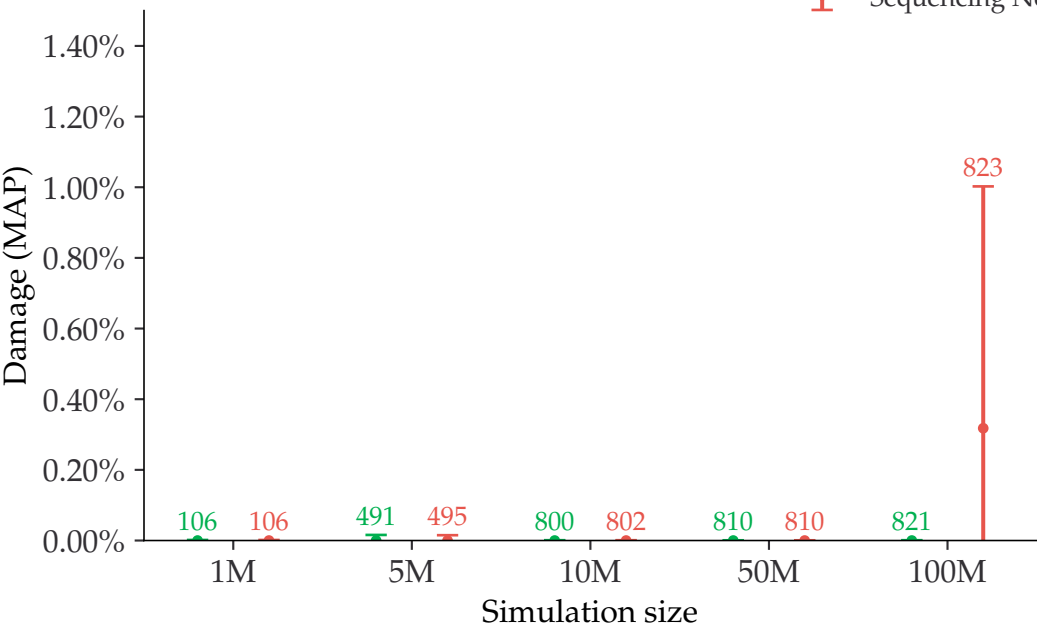


Cave-100-forward

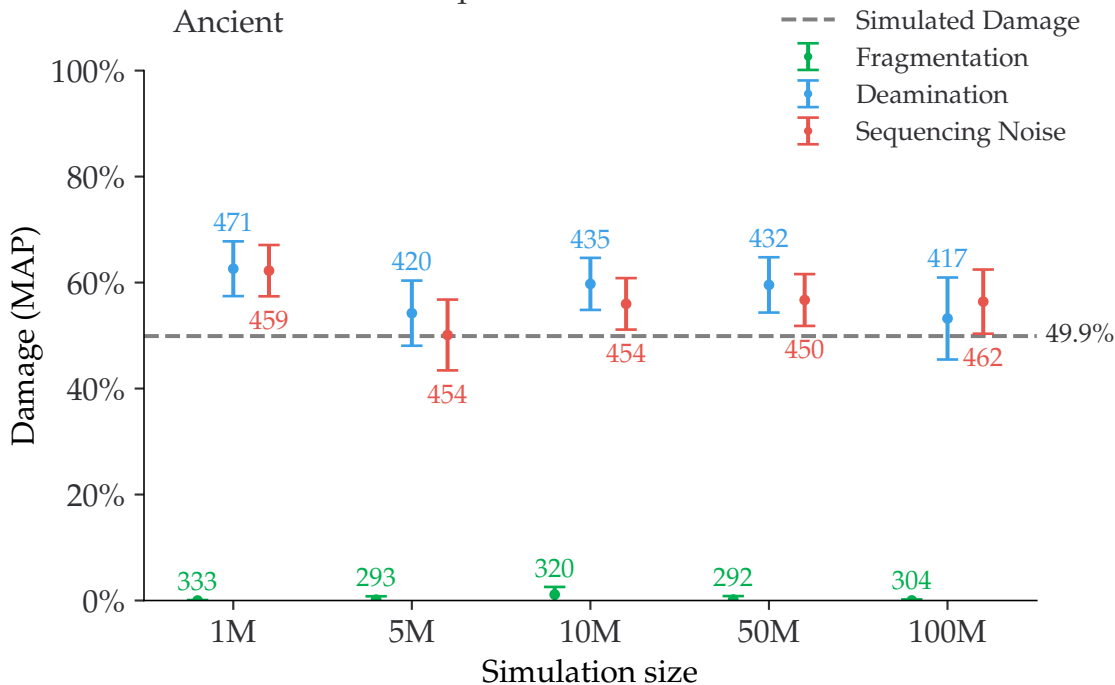
Tax ID: 104873, s\_\_TA-21 sp014523495

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward  
Tax ID: 132933, s\_\_Equus caballus  
Ancient



Cave-100-forward

Tax ID: 128539, s\_\_Enterococcus\_B sp011038845

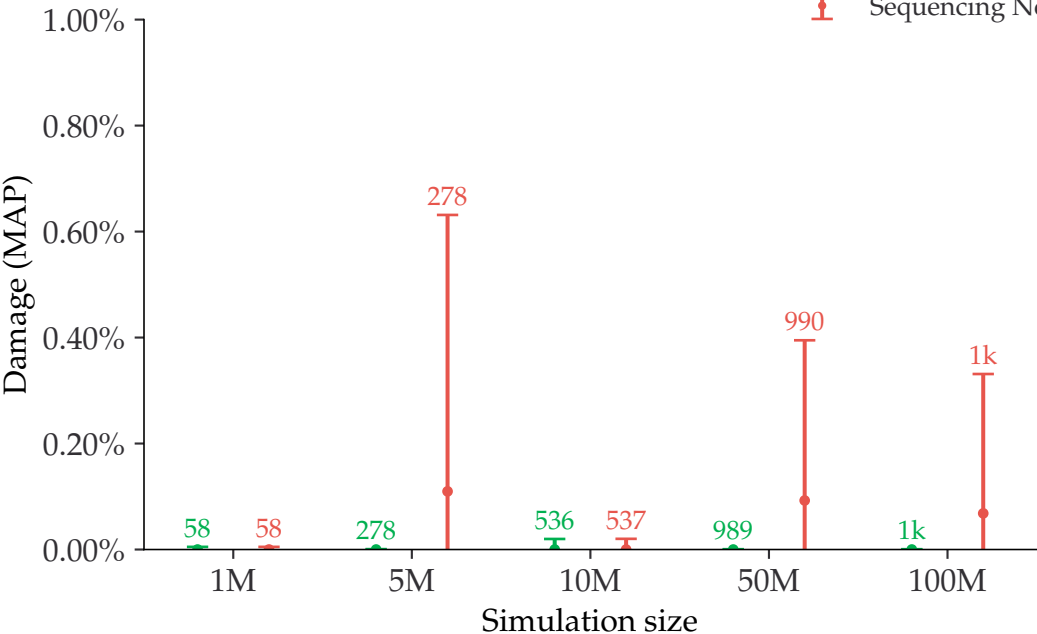
Non-ancient



Fragmentation



Sequencing Noise



Cave-100-forward

Tax ID: 78848, s\_\_40CM-4-69-5 sp001917535

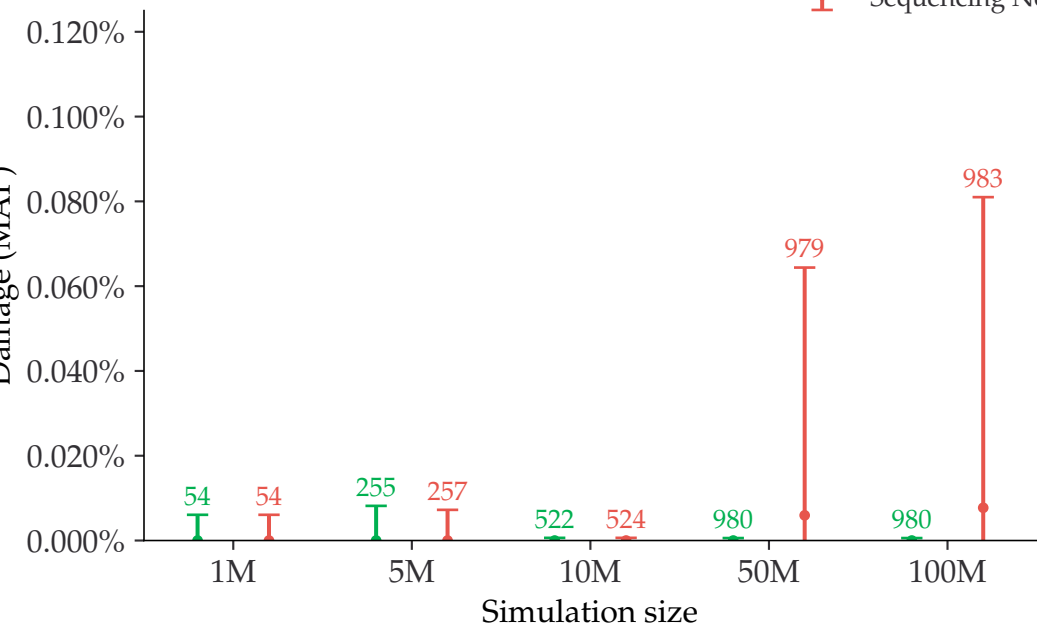
Non-ancient



Fragmentation



Sequencing Noise



Cave-100-forward

Tax ID: 76606, s\_\_Herminiimonas sp001464355

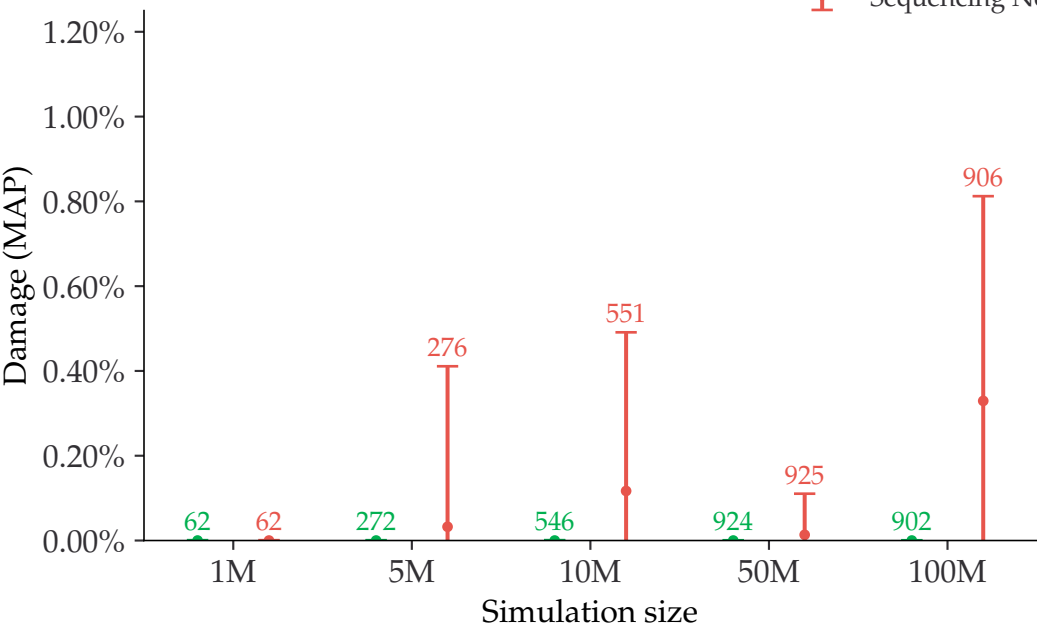
Non-ancient



Fragmentation



Sequencing Noise

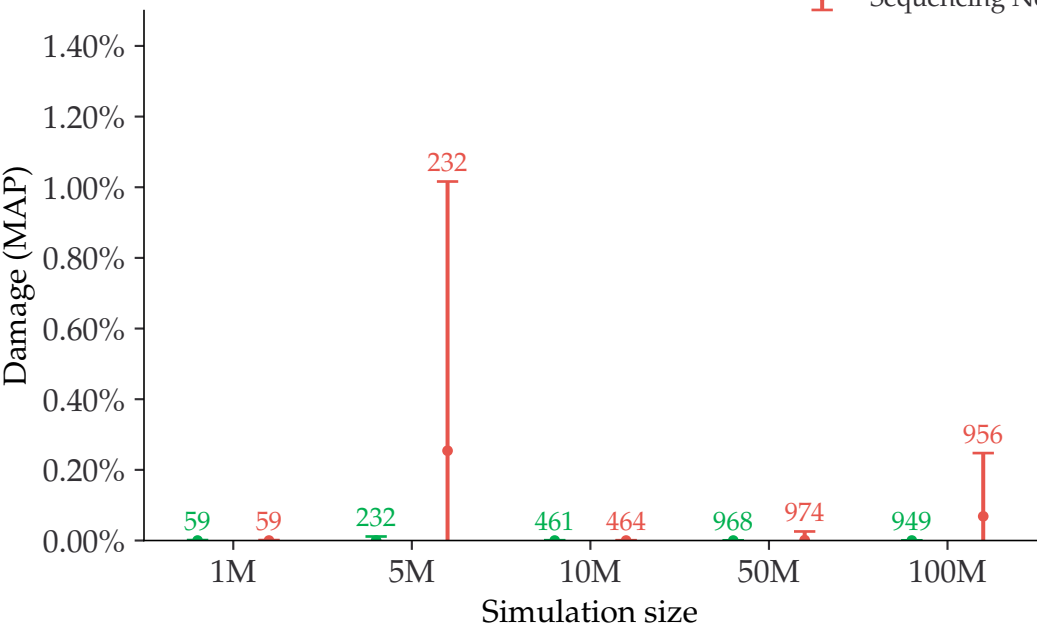


Cave-100-forward

Tax ID: 78046, s\_\_GWA2-73-35 sp001788495

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 96408, s\_\_Brevundimonas sp004296955

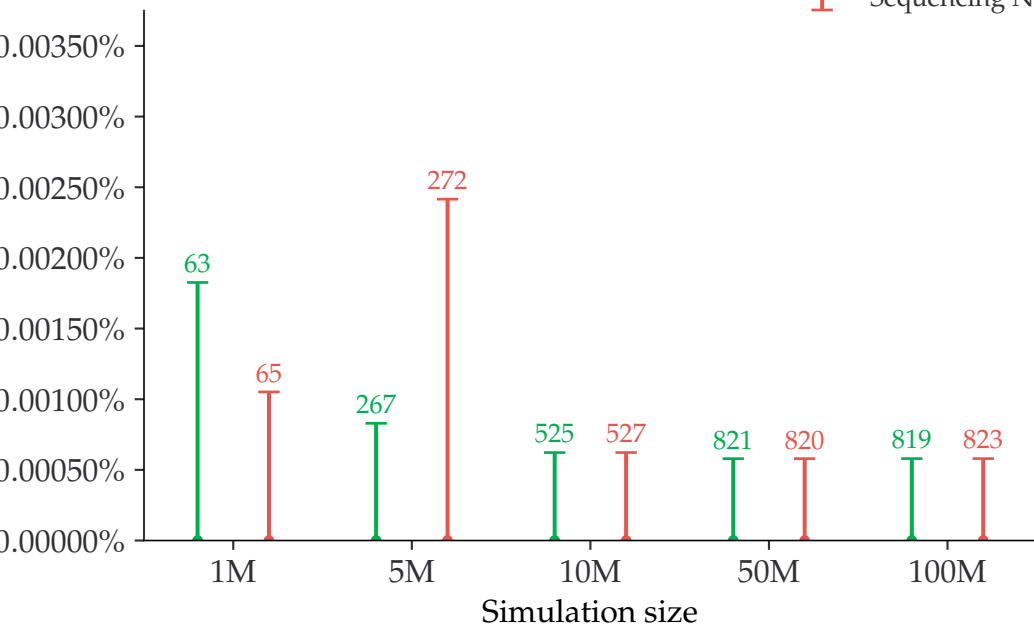
Non-ancient



Fragmentation



Sequencing Noise



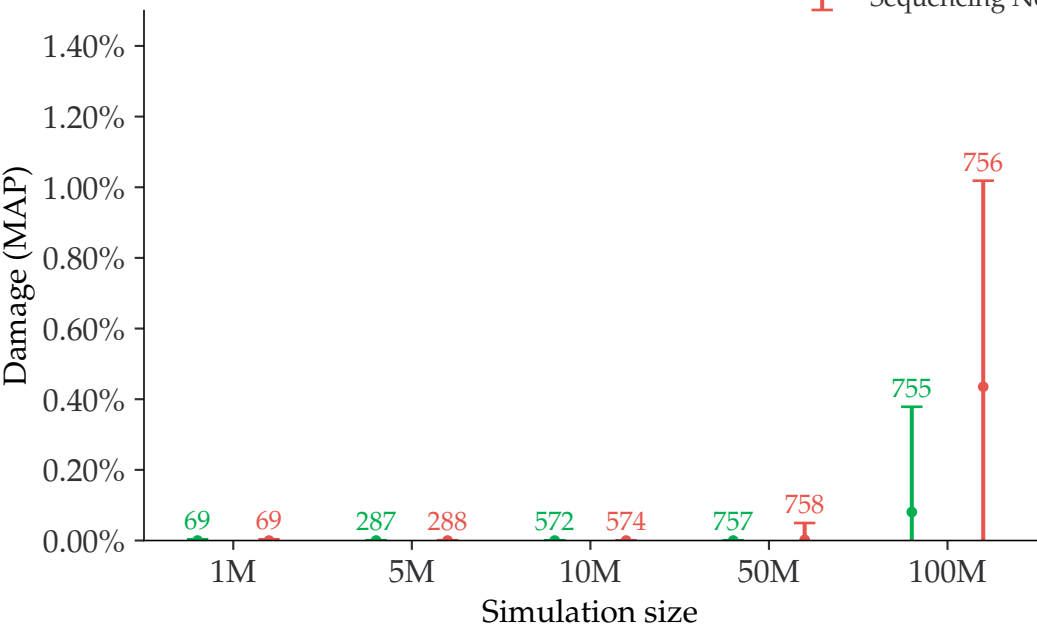


Cave-100-forward

Tax ID: 75786, s\_\_Metalysinibacillus saudimassiliensis

Non-ancient

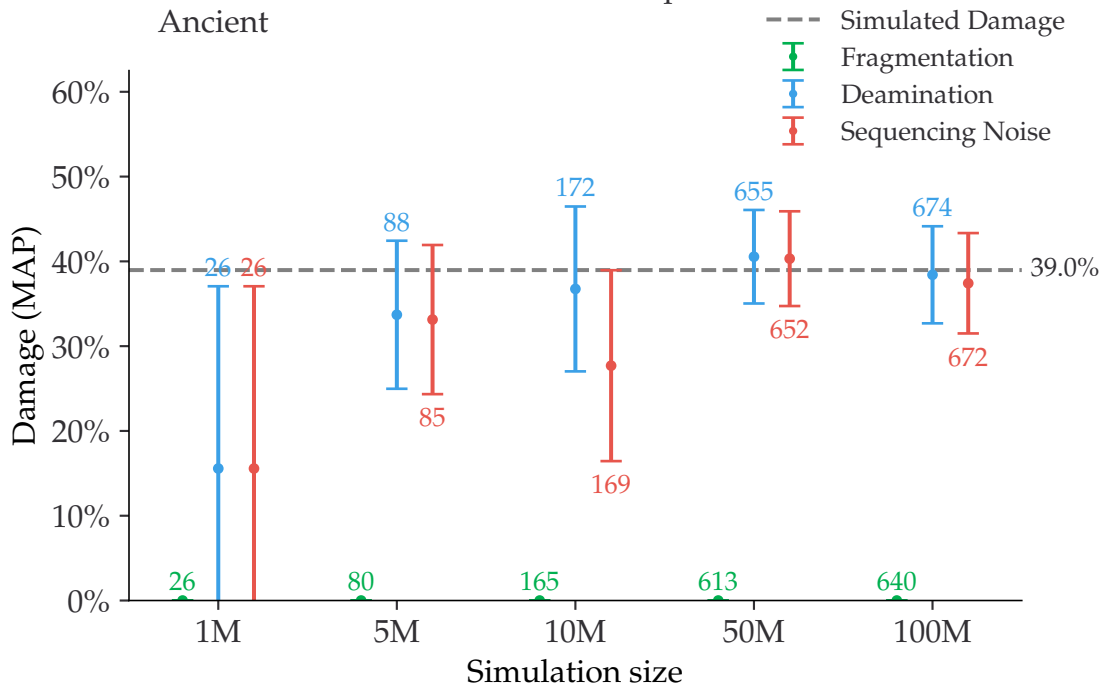
Fragmentation  
Sequencing Noise



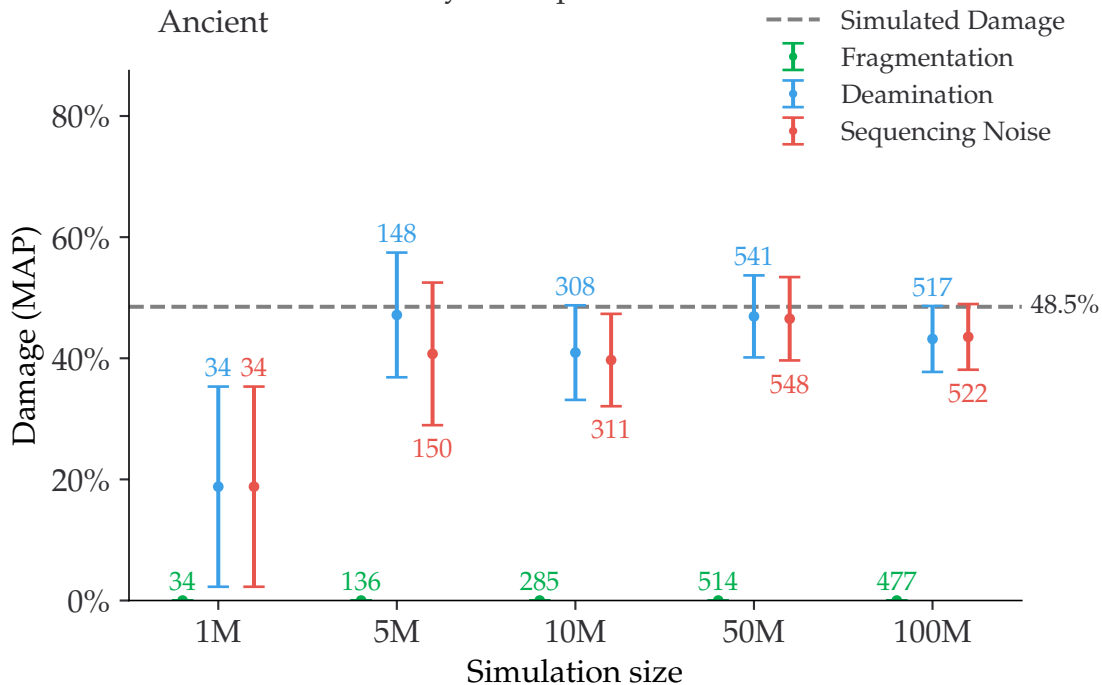
Cave-100-forward

Tax ID: 127777, s\_\_Pseudomonas\_E sp009707515

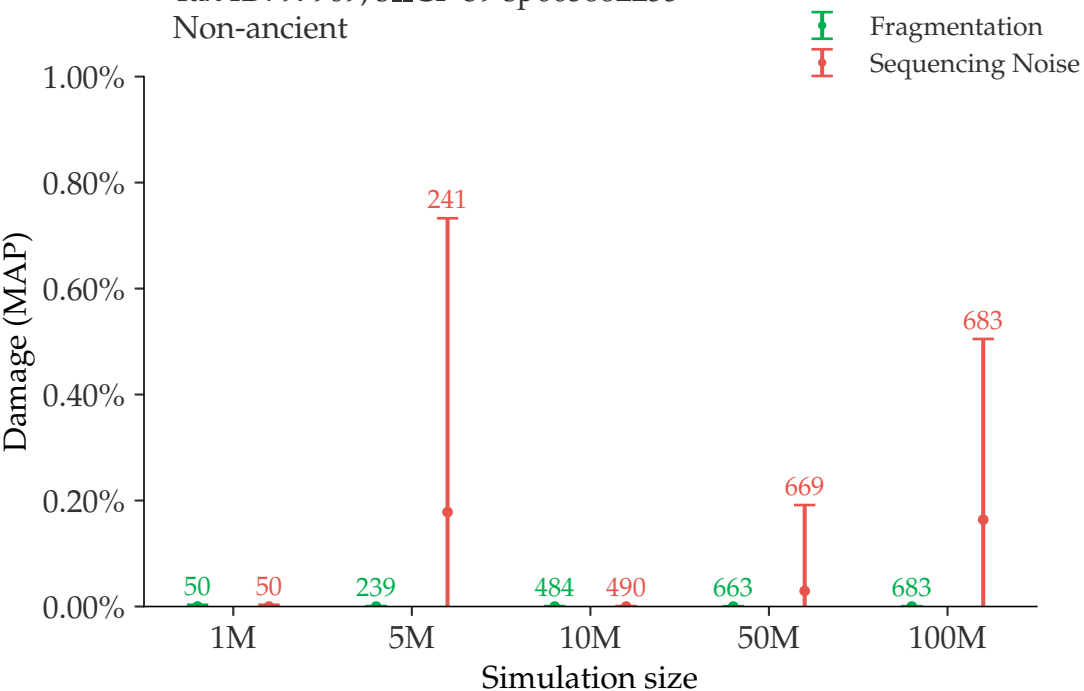
Ancient



Cave-100-forward  
Tax ID: 130559, s\_\_Myroides phaeus  
Ancient



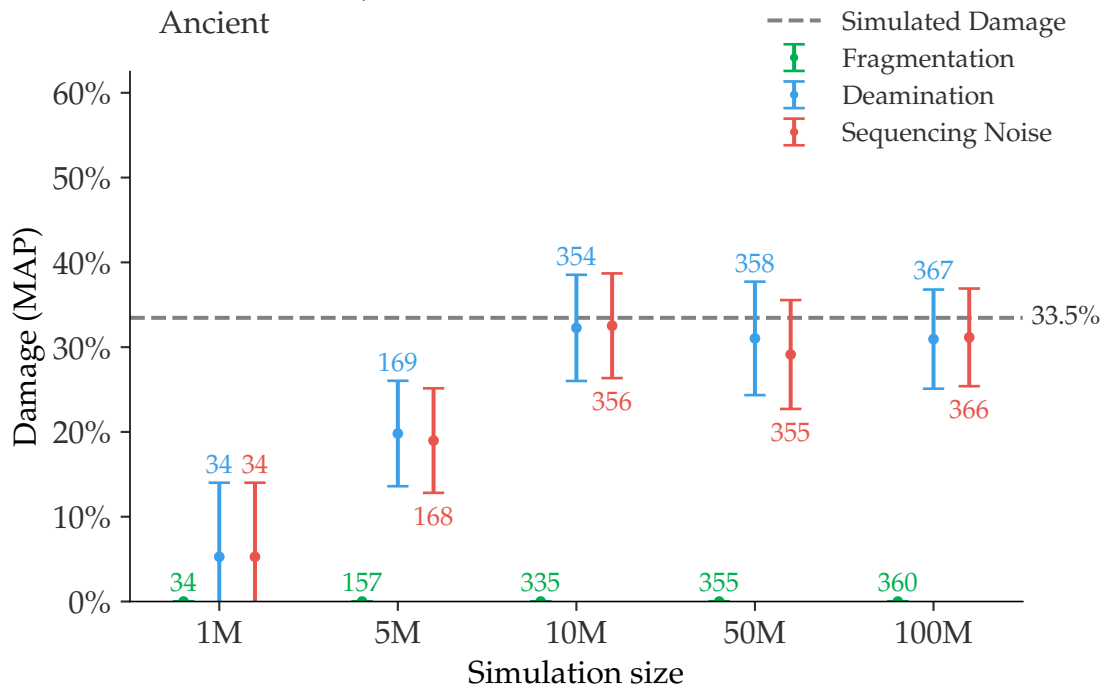
Cave-100-forward  
Tax ID: 97909, s\_\_CF-39 sp005882255  
Non-ancient



Cave-100-forward

Tax ID: 114791, s\_\_Wohlfahrtiimonas chitiniclastica

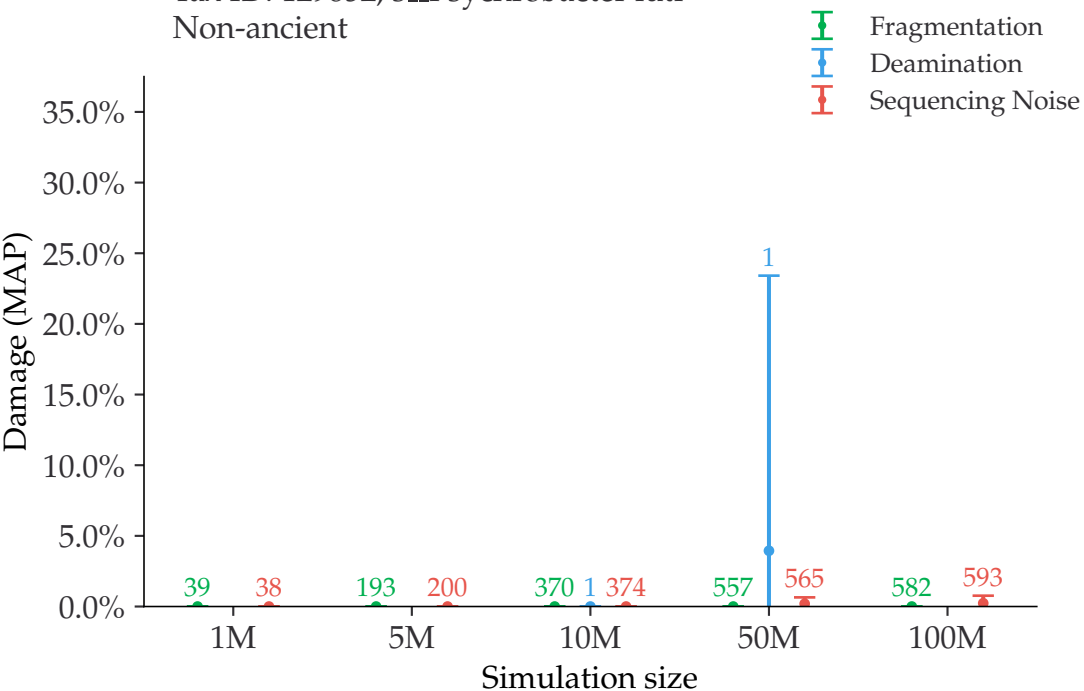
Ancient



Cave-100-forward

Tax ID: 129852, s\_\_*Psychrobacter luti*

Non-ancient

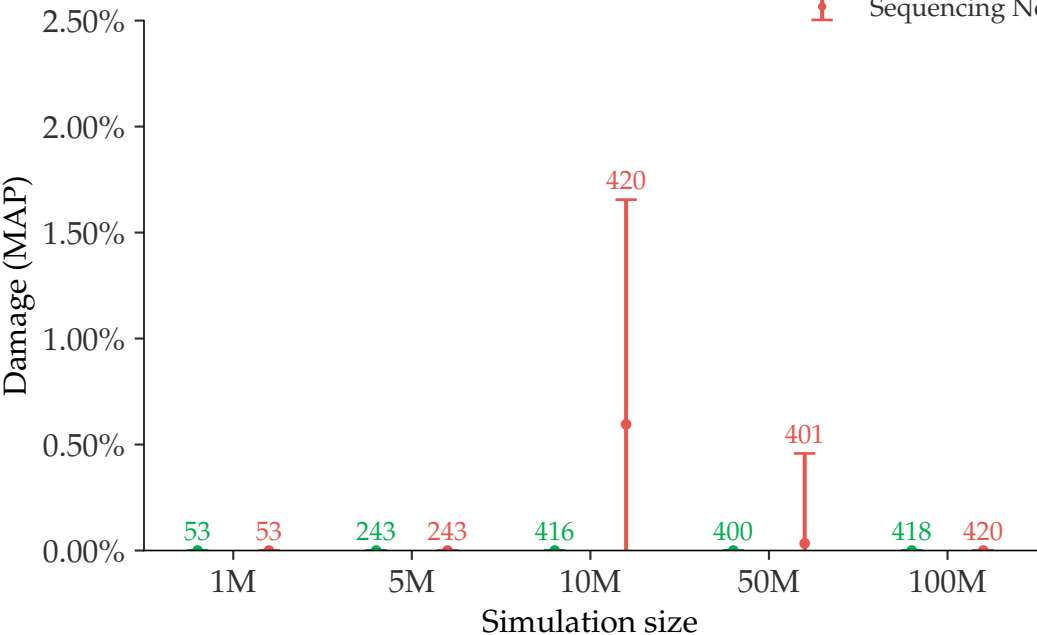


Cave-100-forward

Tax ID: 102509, s\_\_Streptococcus equinus

Non-ancient

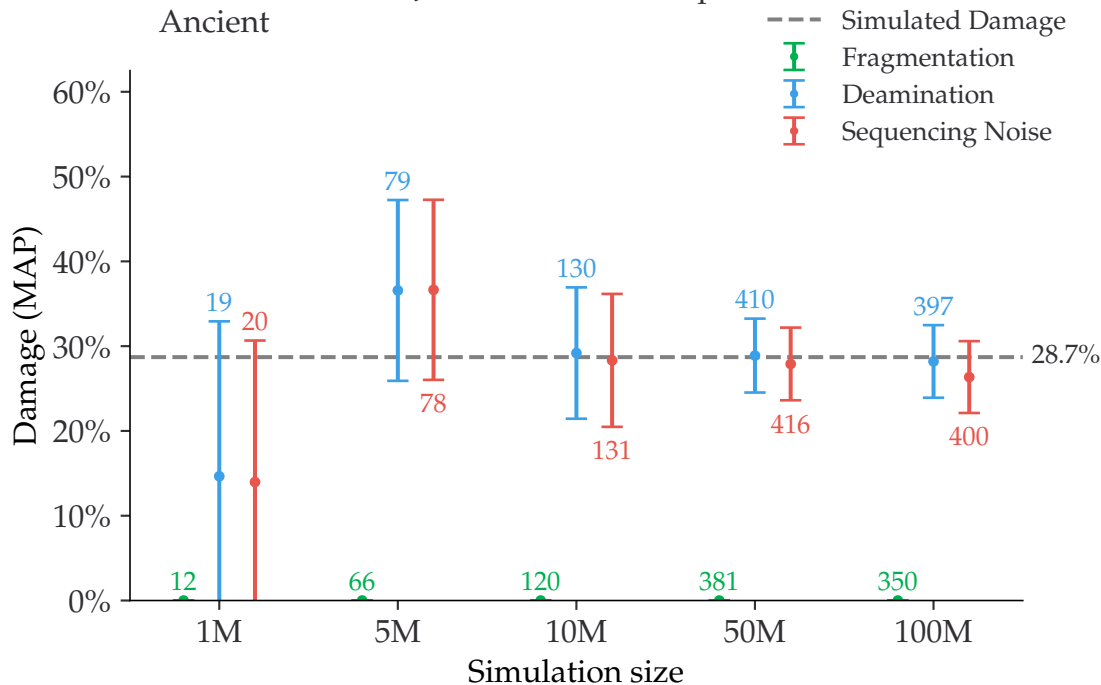
Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 100170, s\_Janthinobacterium sp009923995

Ancient



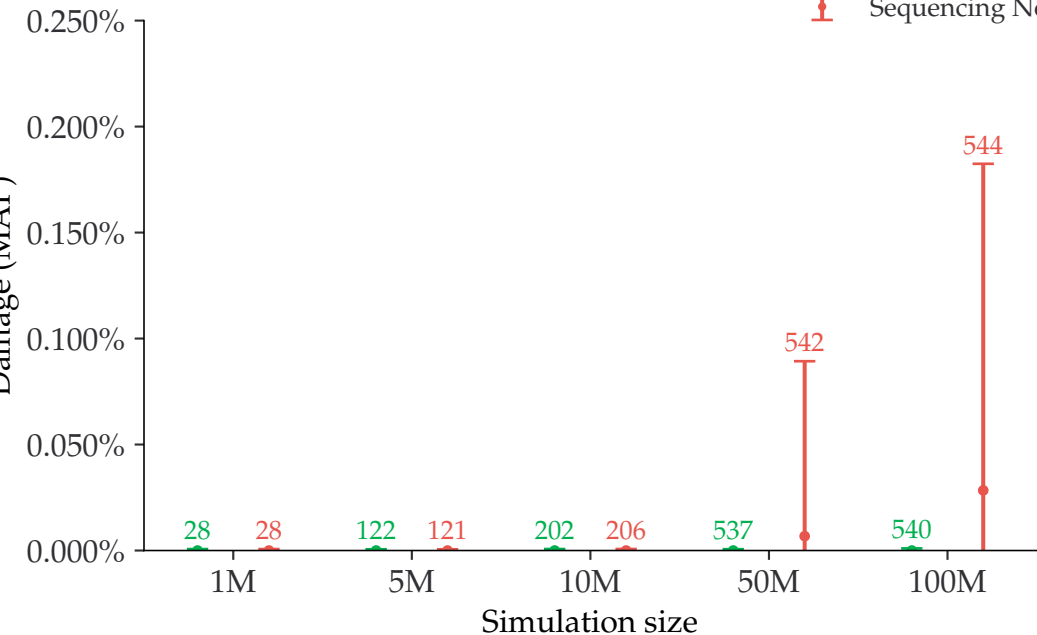


Cave-100-forward

Tax ID: 96407, s\_\_Reyranella sp004296935

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 110856, s\_\_Methylibium sp902826655

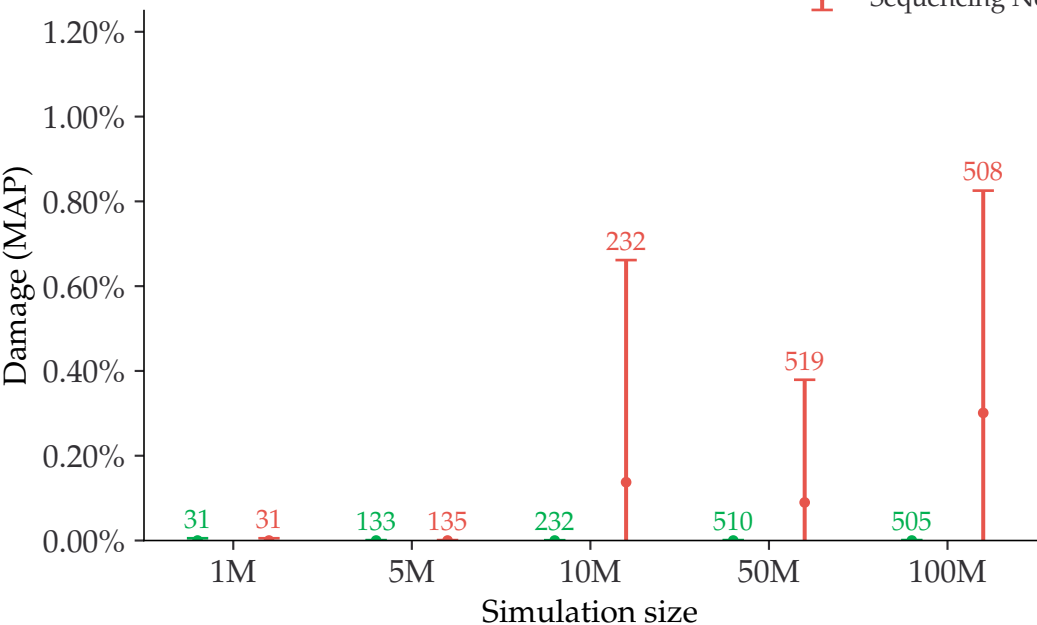
Non-ancient



Fragmentation



Sequencing Noise

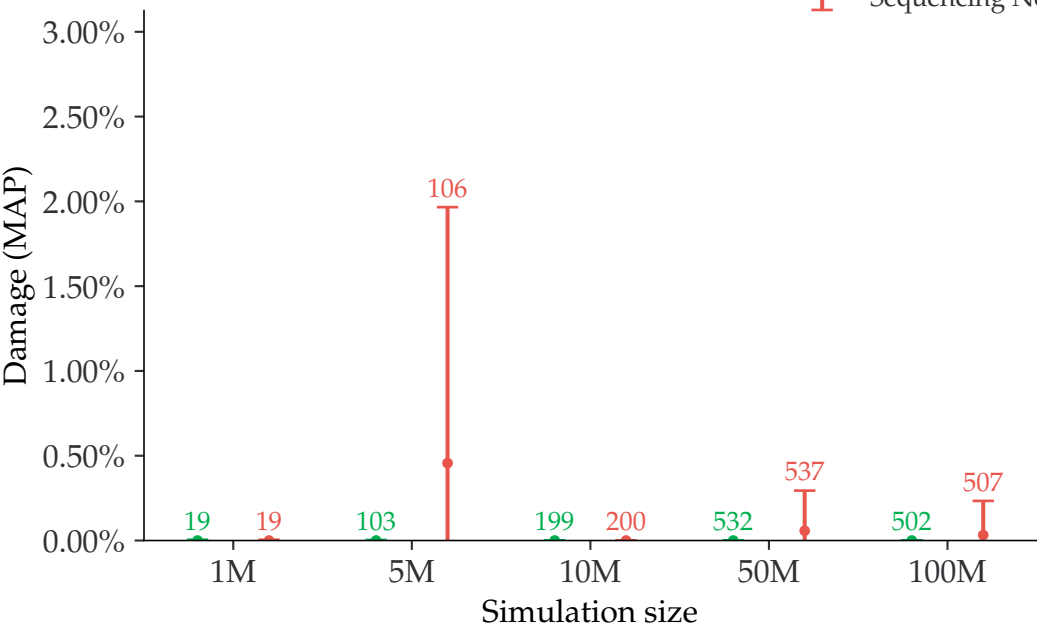


Cave-100-forward

Tax ID: 126960, s\_\_Pseudomonas\_E saxonica

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 129233, s\_\_Nocardioides sp013155335

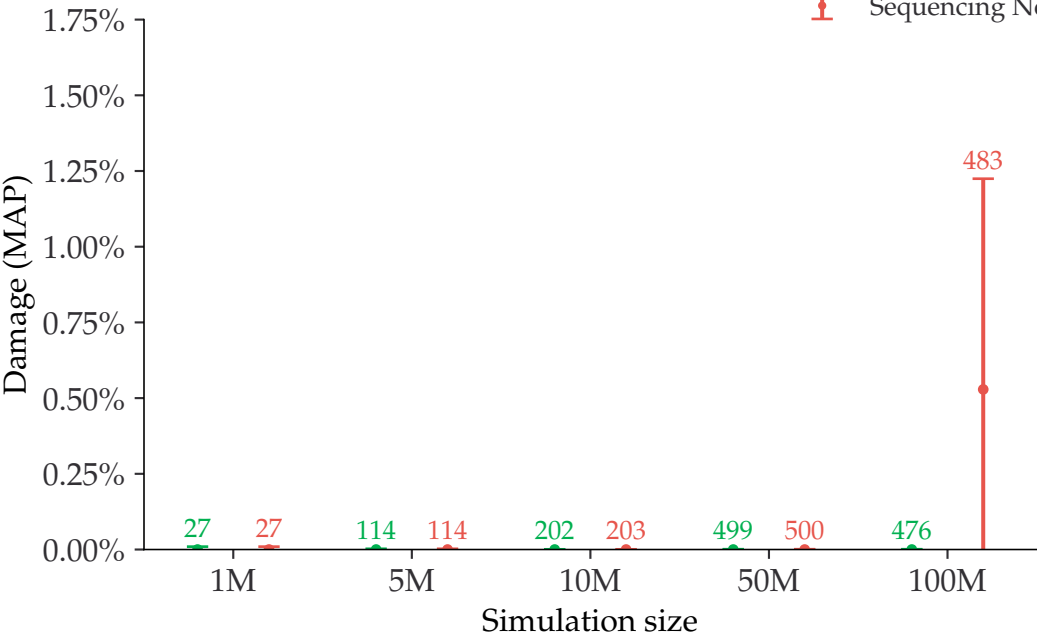
Non-ancient



Fragmentation



Sequencing Noise

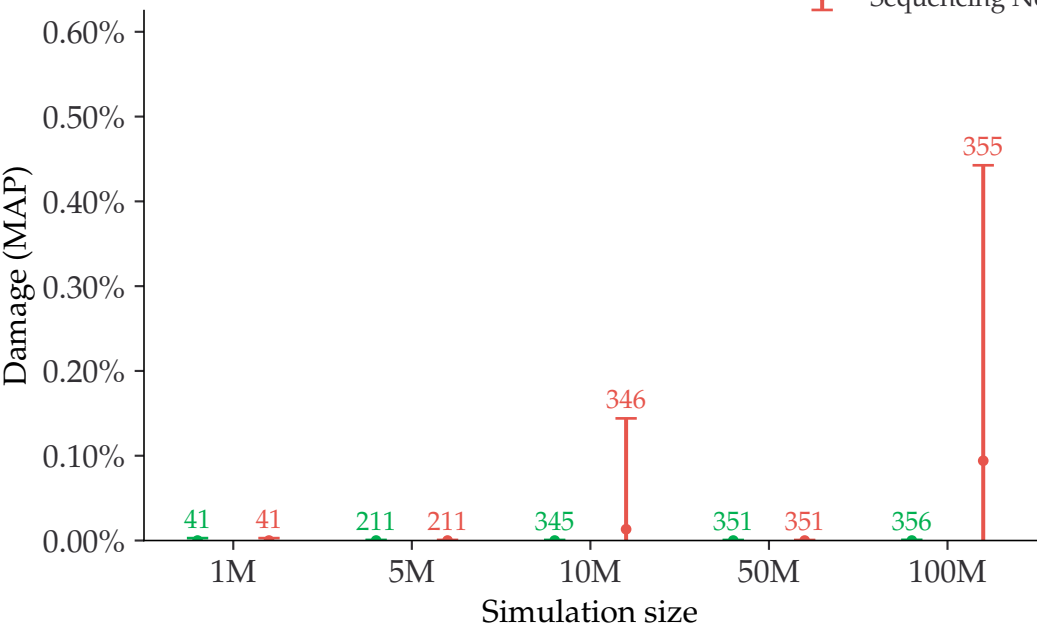


Cave-100-forward

Tax ID: 104199, s\_JAAYBF01 sp013812005

Non-ancient

Fragmentation  
Sequencing Noise

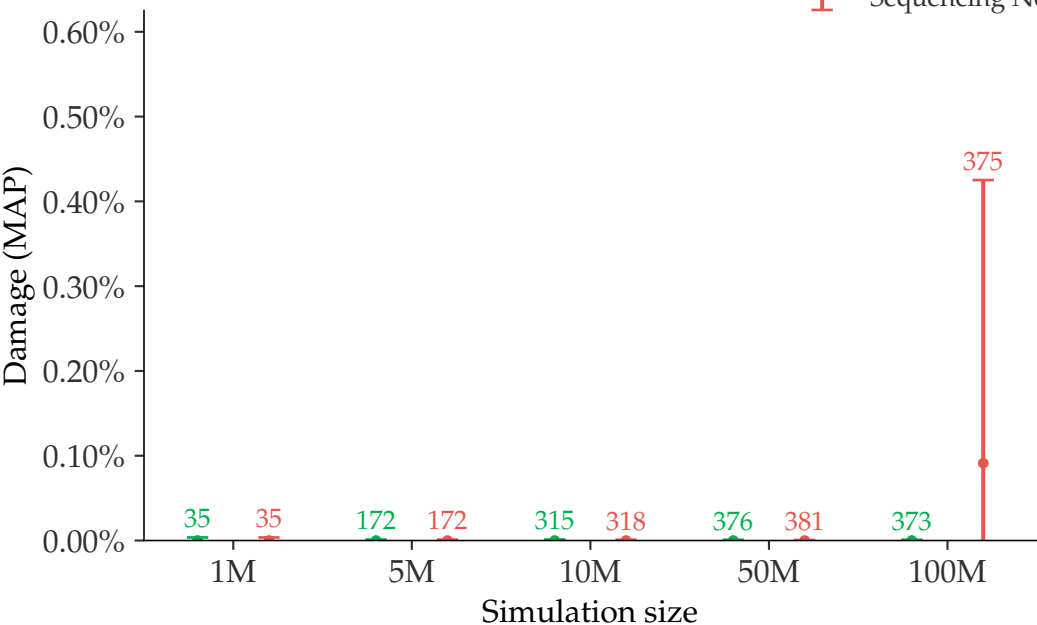


Cave-100-forward

Tax ID: 110792, s\_JACCUC01 sp902806245

Non-ancient

Fragmentation  
Sequencing Noise

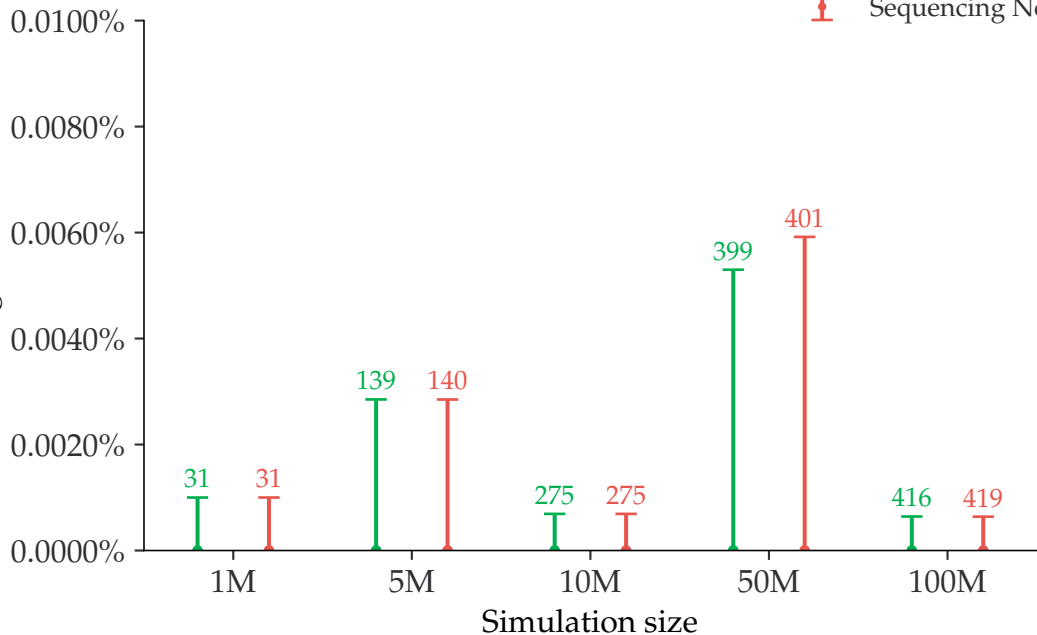


Cave-100-forward

Tax ID: 91993, s\_\_UBA9968 sp003490035

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 97815, s\_\_RBG-16-68-12 sp005878615

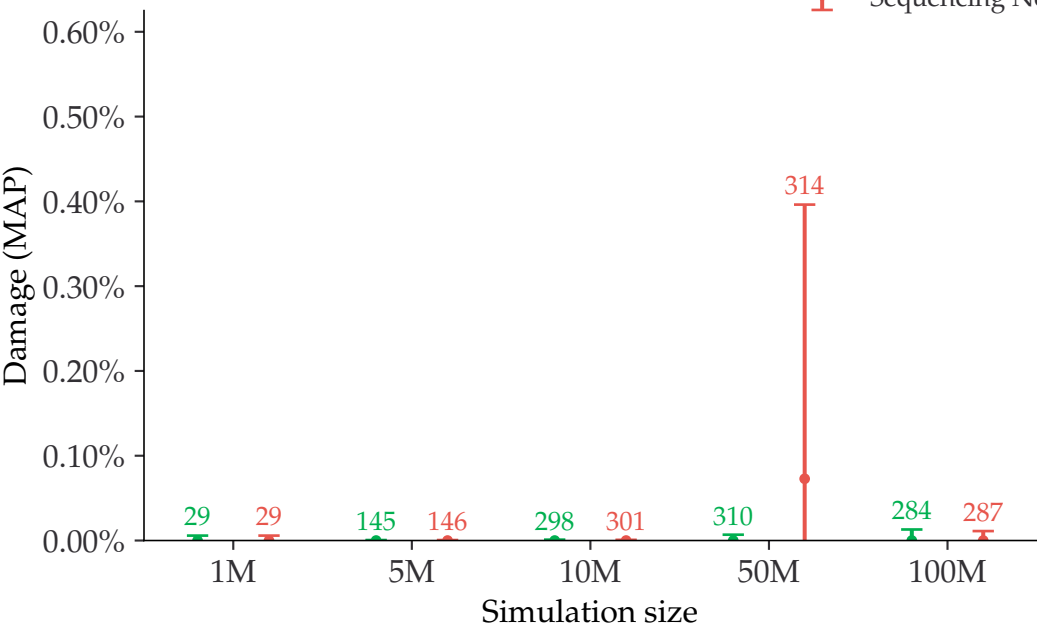
Non-ancient



Fragmentation



Sequencing Noise





Cave-100-forward

Tax ID: 104192, s\_\_GMQP-bins7 sp013811645

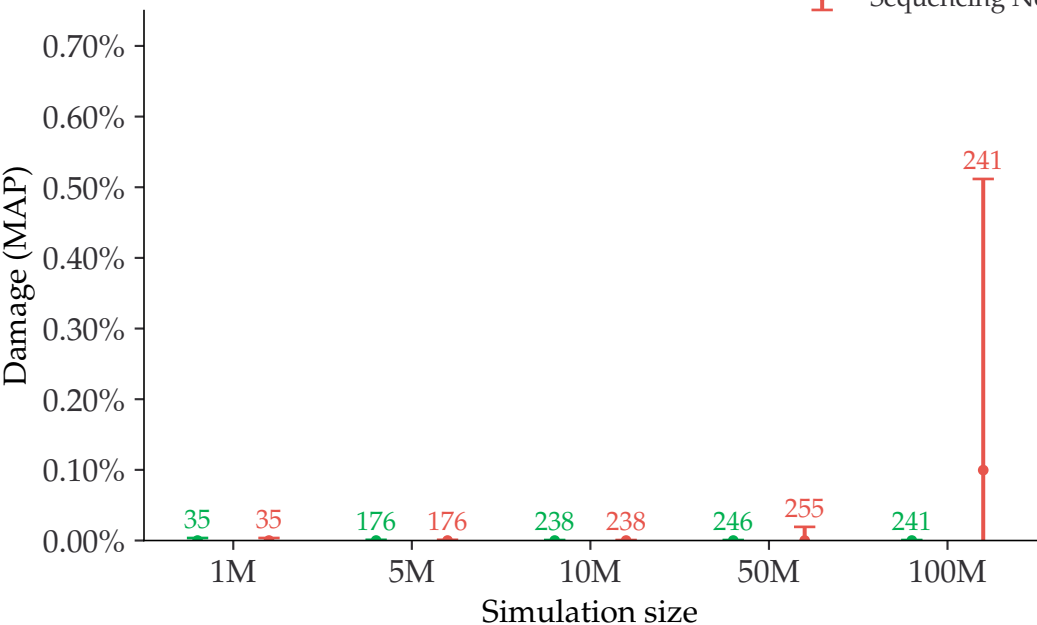
Non-ancient



Fragmentation



Sequencing Noise



Cave-100-forward

Tax ID: 78733, s\_\_Cellulomonas sp001898175

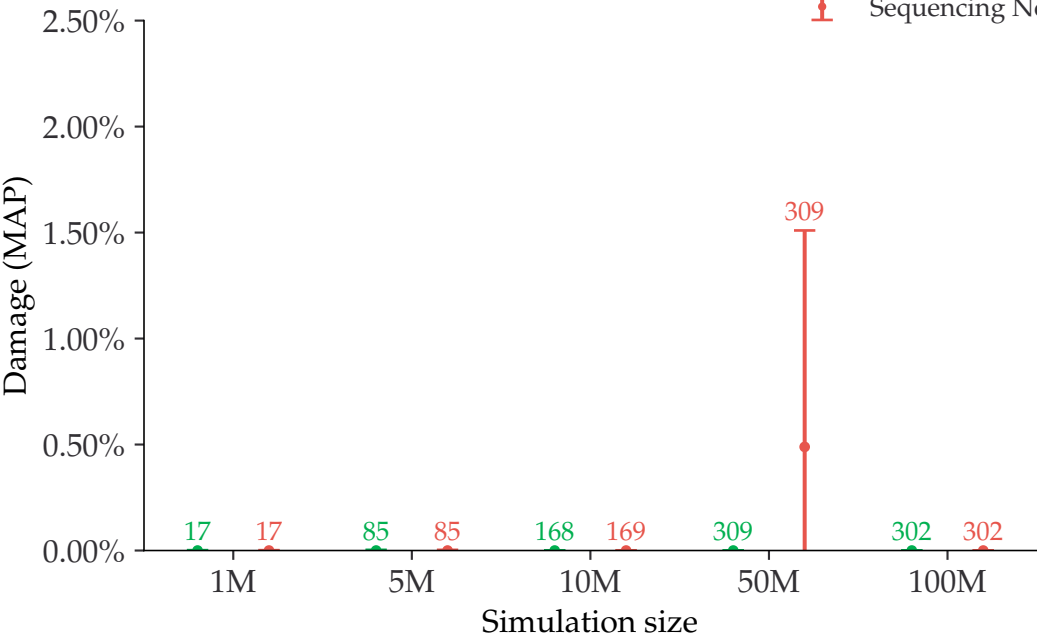
Non-ancient



Fragmentation

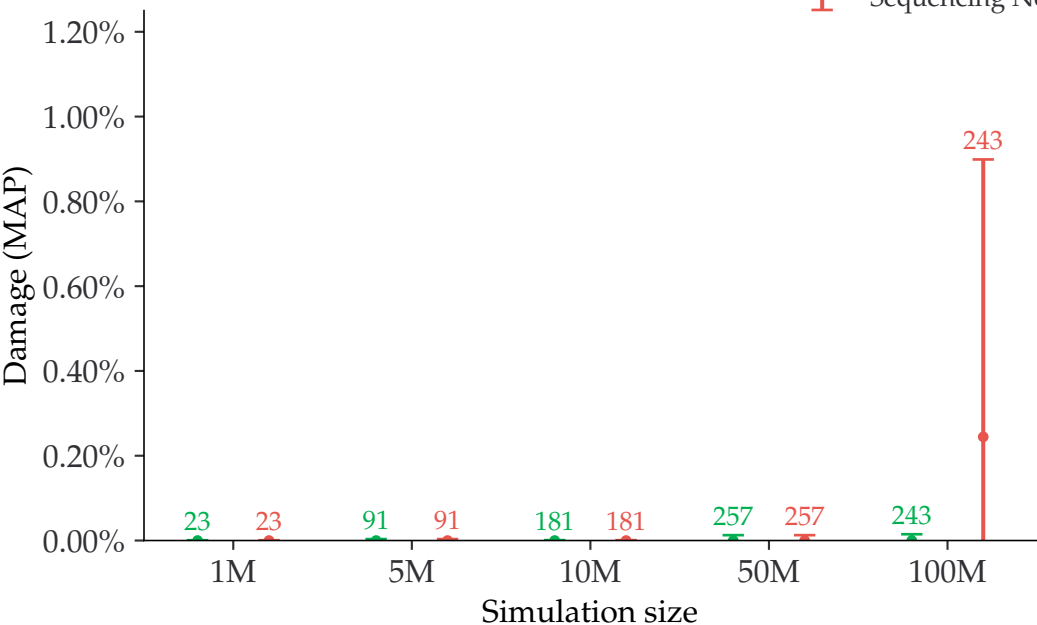


Sequencing Noise



Cave-100-forward  
Tax ID: 90099, s\_\_AG41 sp003220905  
Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 95683, s\_\_Caulobacter sp004144935

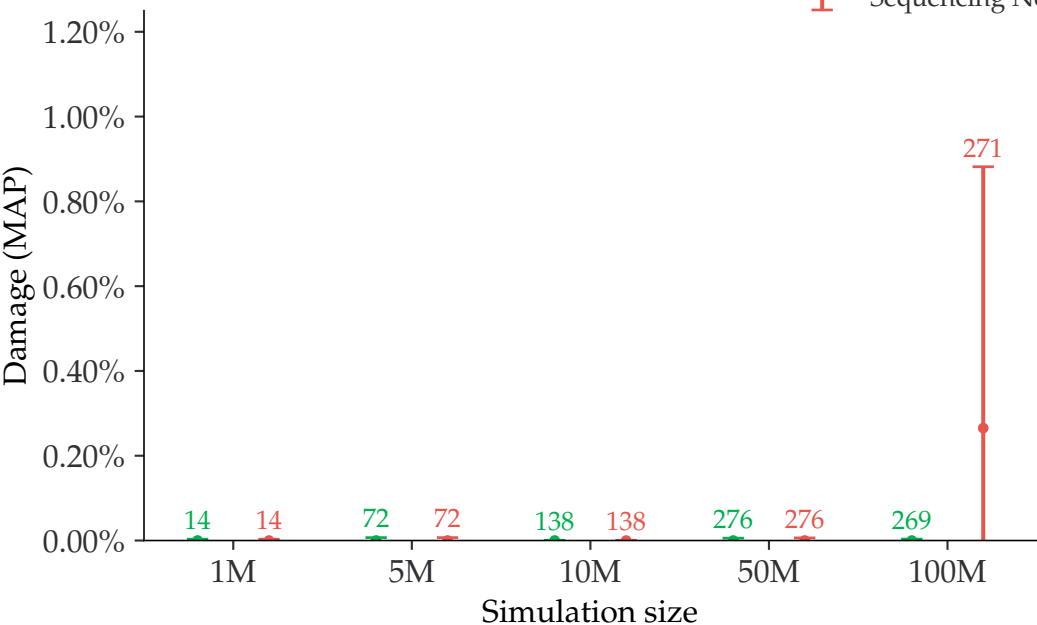
Non-ancient



Fragmentation



Sequencing Noise

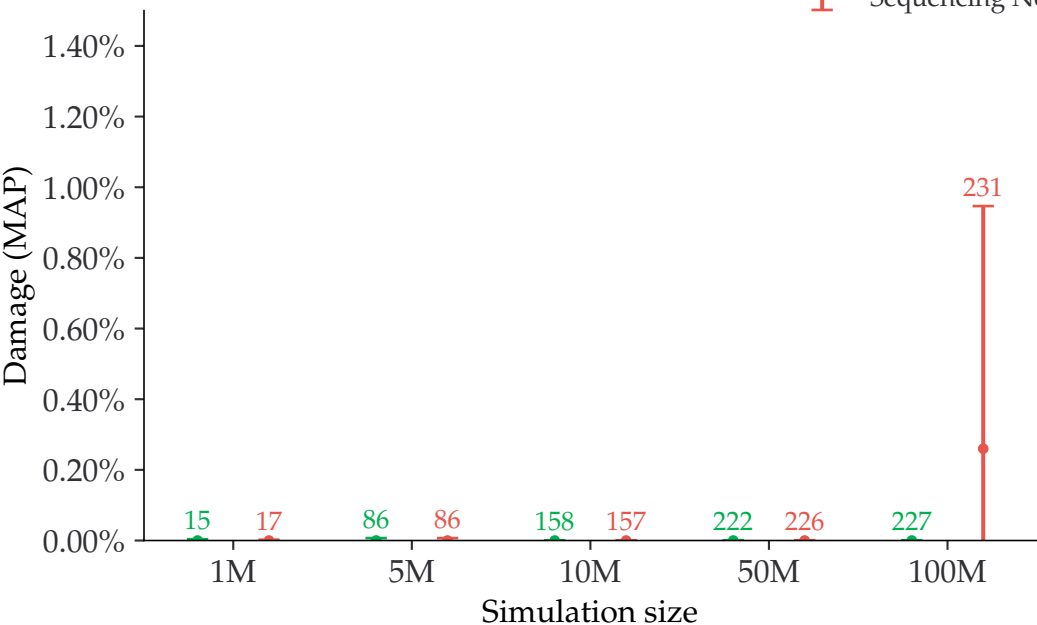


Cave-100-forward

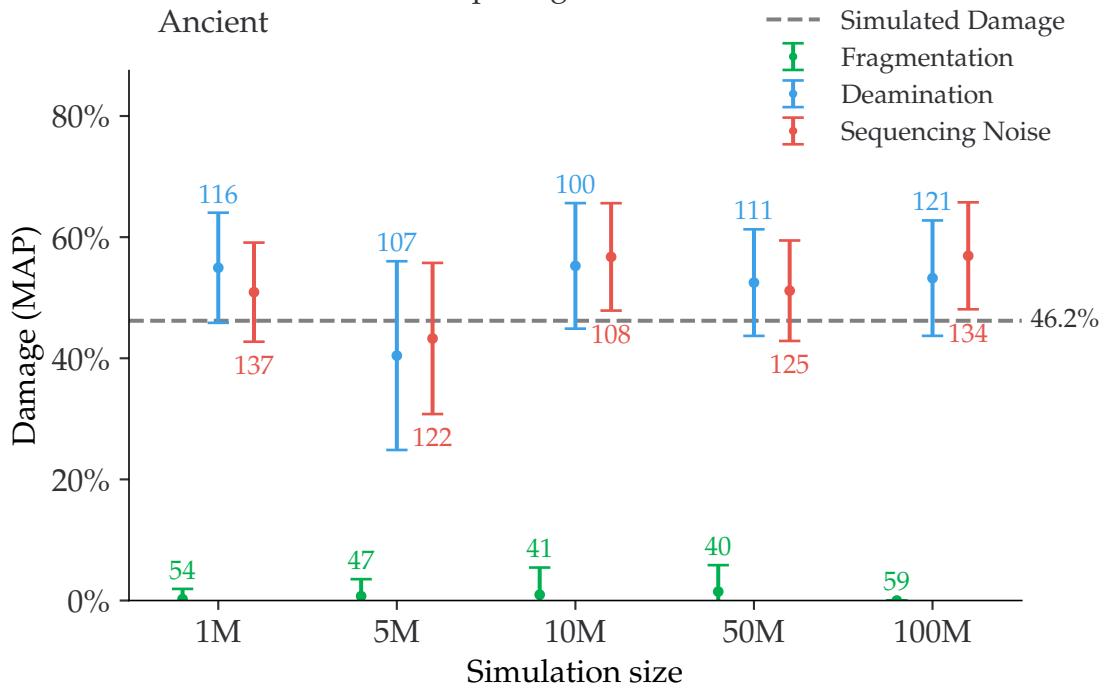
Tax ID: 101517, s\_\_Azonexus sp012026885

Non-ancient

Fragmentation  
Sequencing Noise



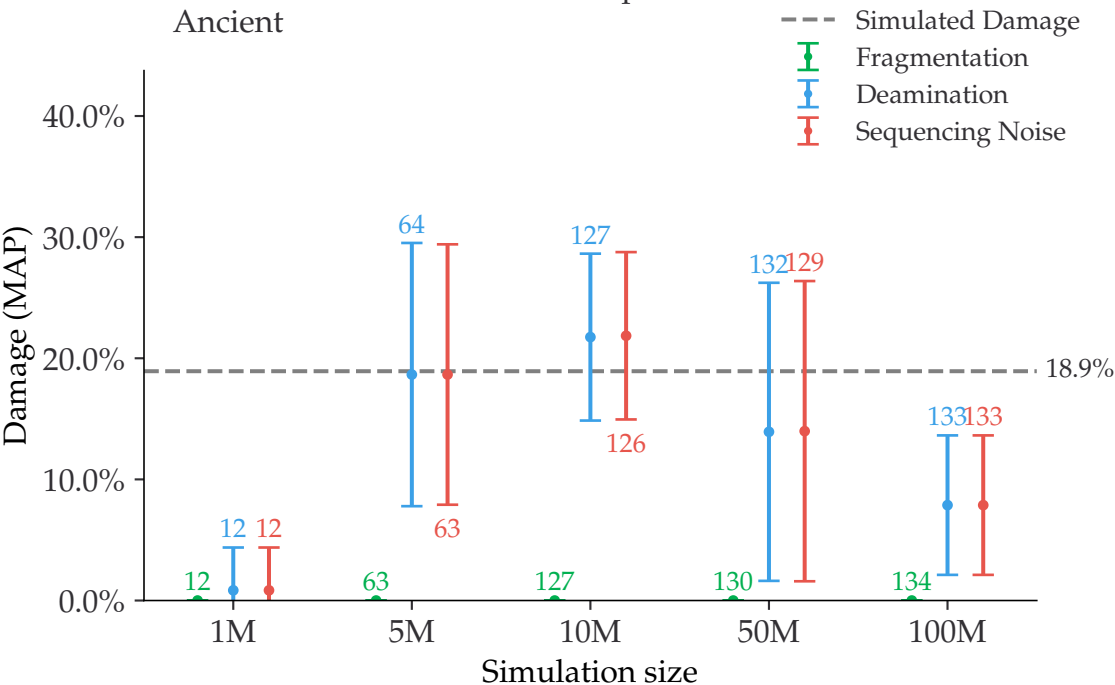
Cave-100-forward  
Tax ID: 134998, s\_\_Bos primigenius  
Ancient



Cave-100-forward

Tax ID: 101701, s\_\_Leucobacter sp012511645

Ancient



Cave-100-forward

Tax ID: 90456, s\_\_Microbacterium sp003248845

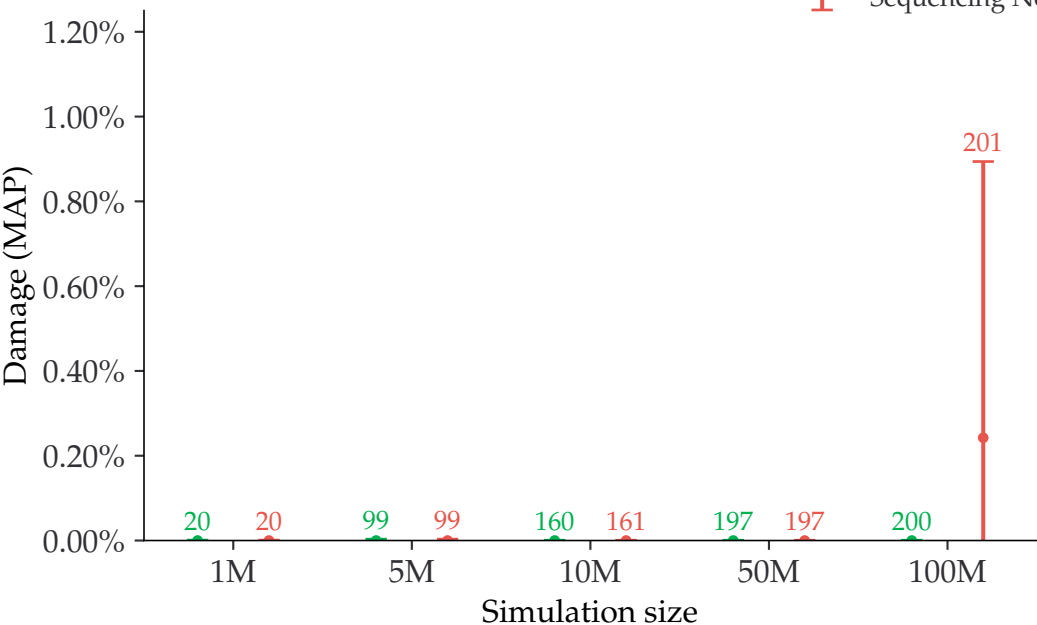
Non-ancient



Fragmentation



Sequencing Noise



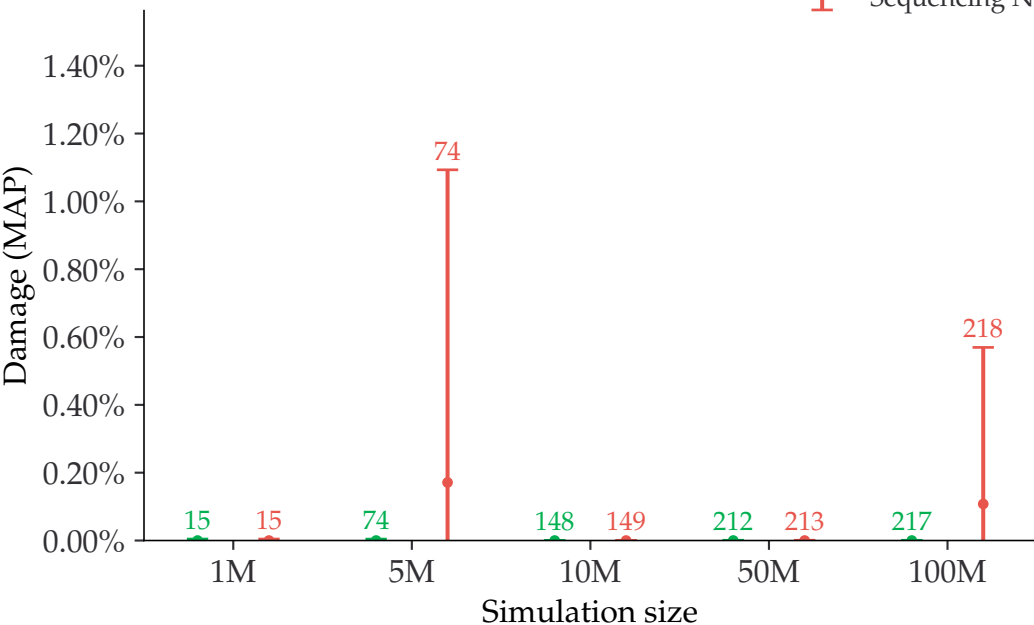


Cave-100-forward

Tax ID: 98019, s\_PALSA-1003 sp005888955

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 77482, s\_\_Phenylobacterium sp001724985

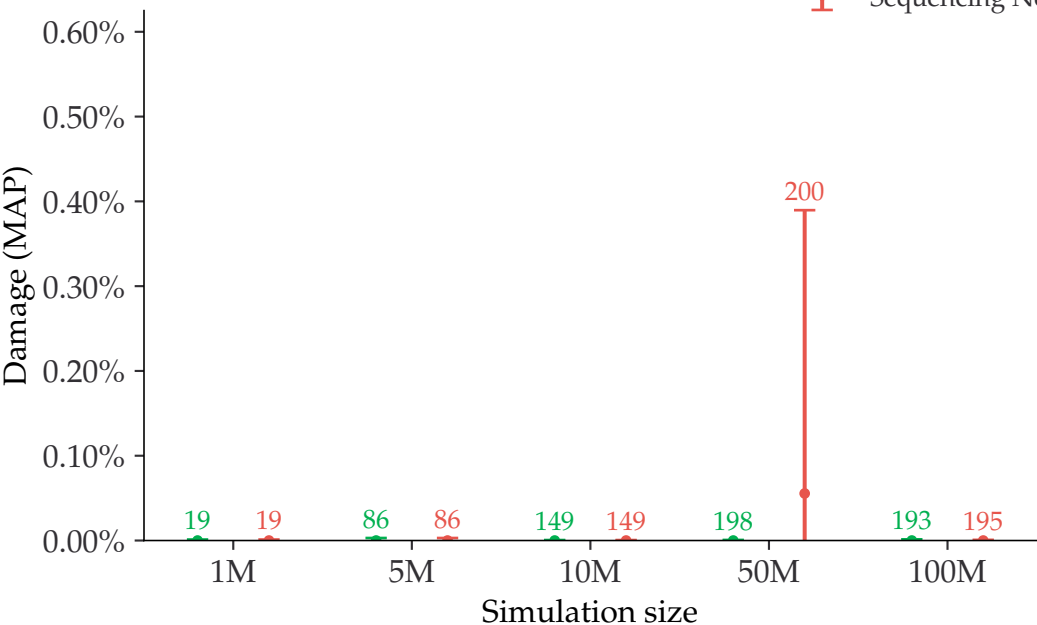
Non-ancient



Fragmentation



Sequencing Noise



Cave-100-forward

Tax ID: 80338, s\_Thiobacillus sp002256995

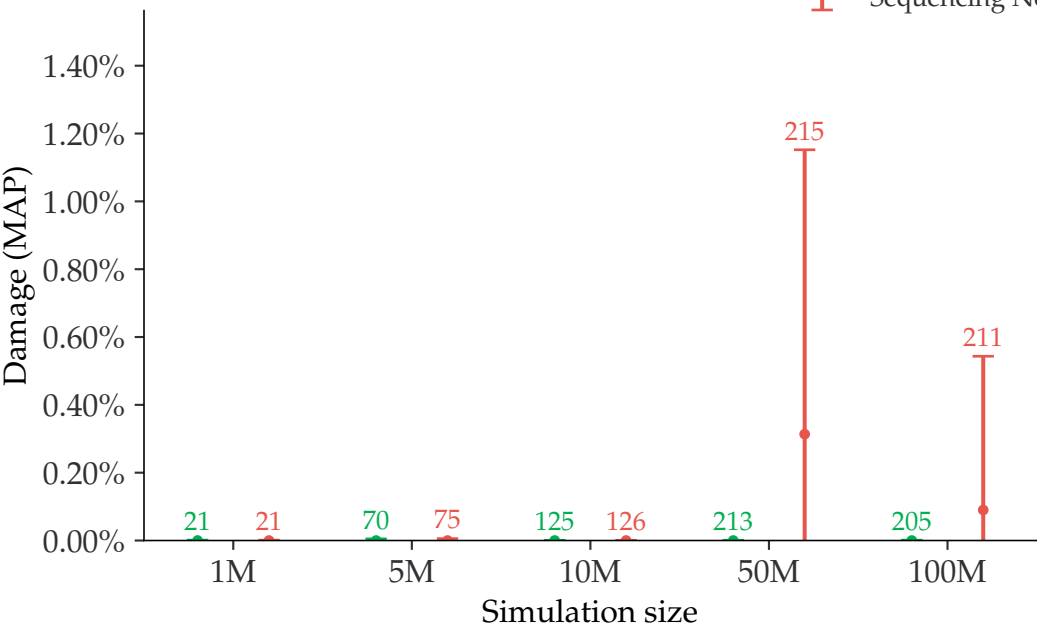
Non-ancient



Fragmentation



Sequencing Noise

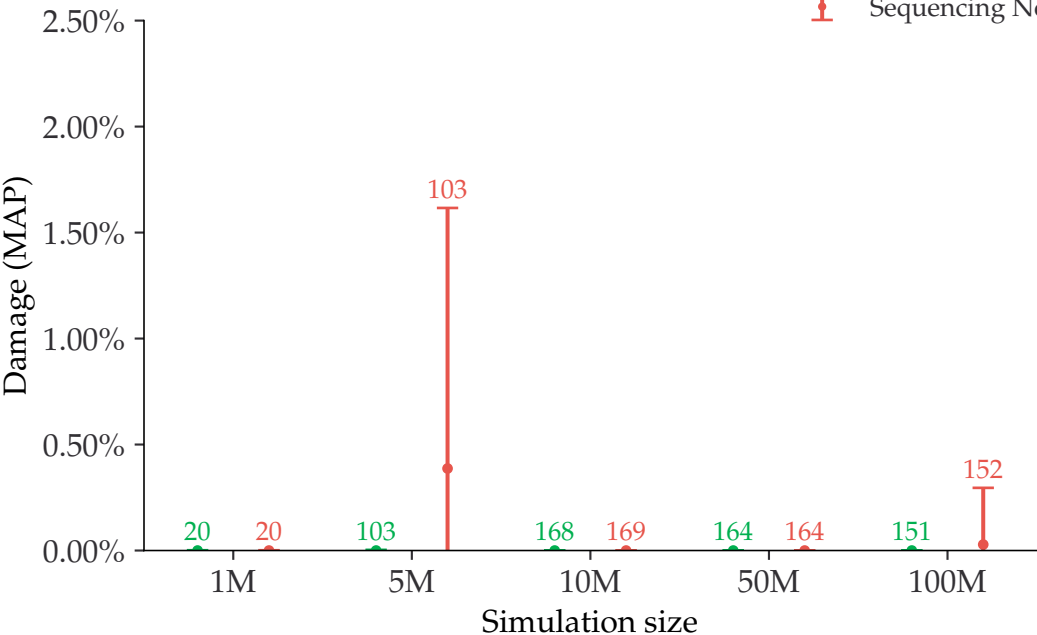


Cave-100-forward

Tax ID: 100617, s\_\_Sphingomicrobium sp011053295

Non-ancient

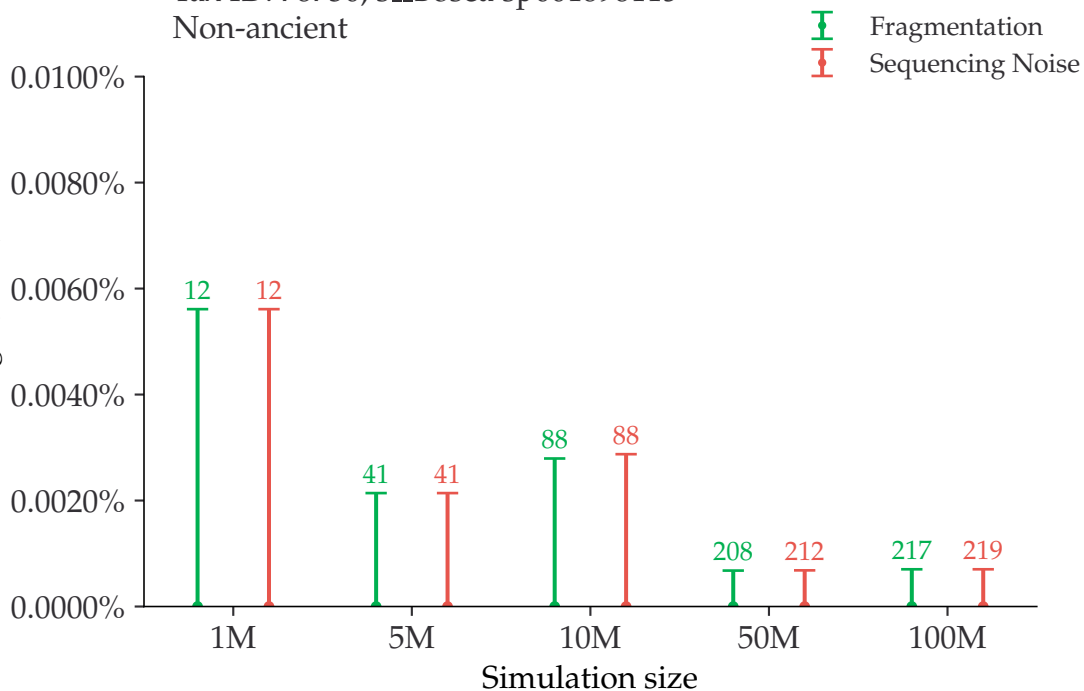
Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 78730, s\_\_Bosea sp001898115

Non-ancient

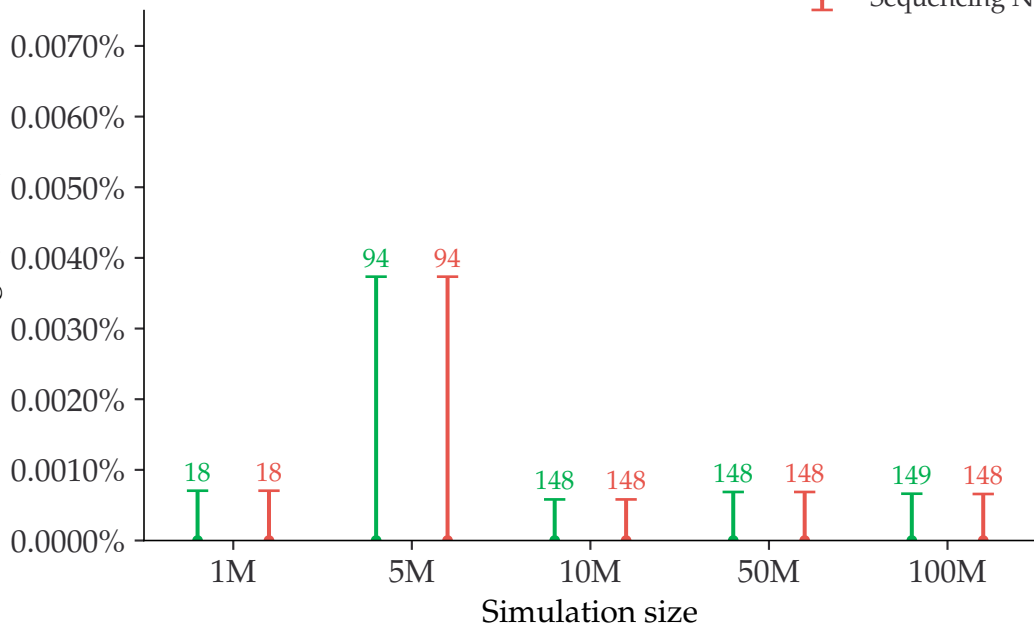


Cave-100-forward

Tax ID: 104059, s\_JACDBZ01 sp013694795

Non-ancient

Fragmentation  
Sequencing Noise

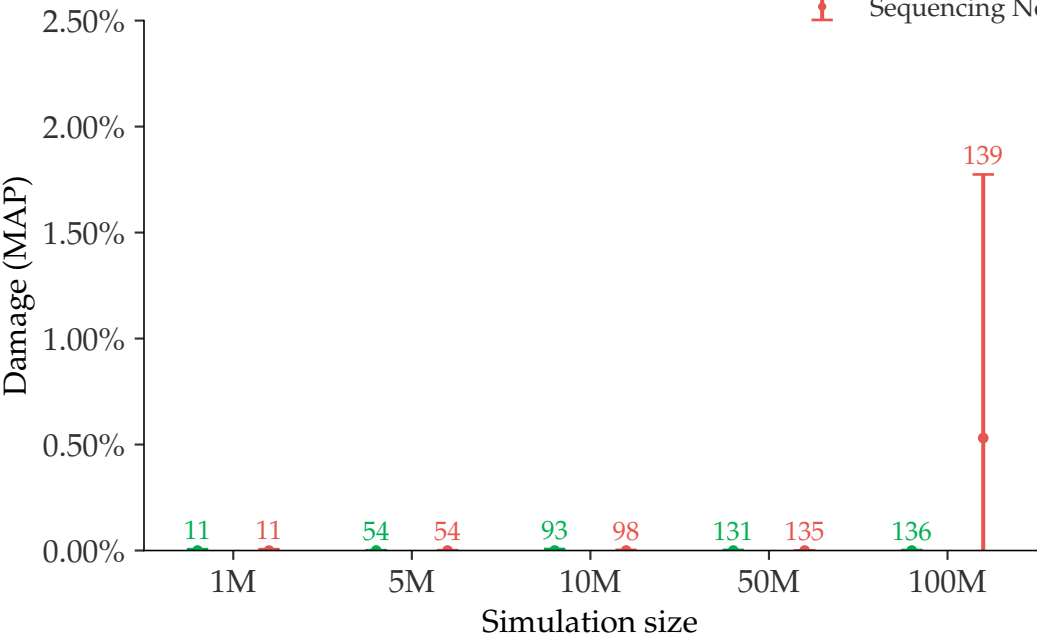


Cave-100-forward

Tax ID: 101312, s\_\_Rhodoferax sp011391545

Non-ancient

Fragmentation  
Sequencing Noise

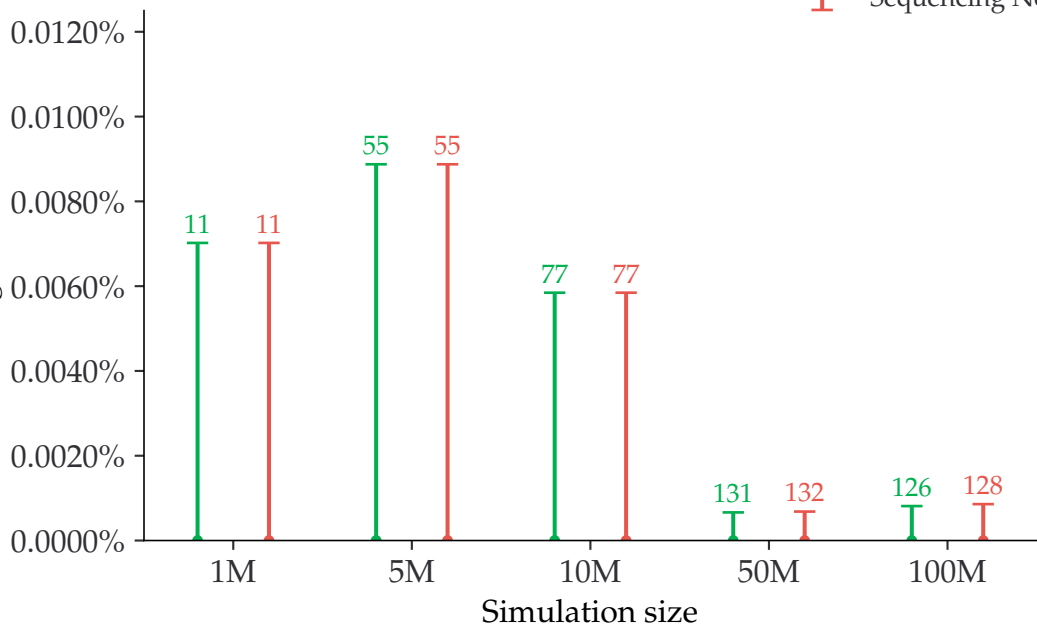


Cave-100-forward

Tax ID: 90314, s\_\_Sphingomonas hengshuiensis\_A

Non-ancient

Fragmentation  
Sequencing Noise

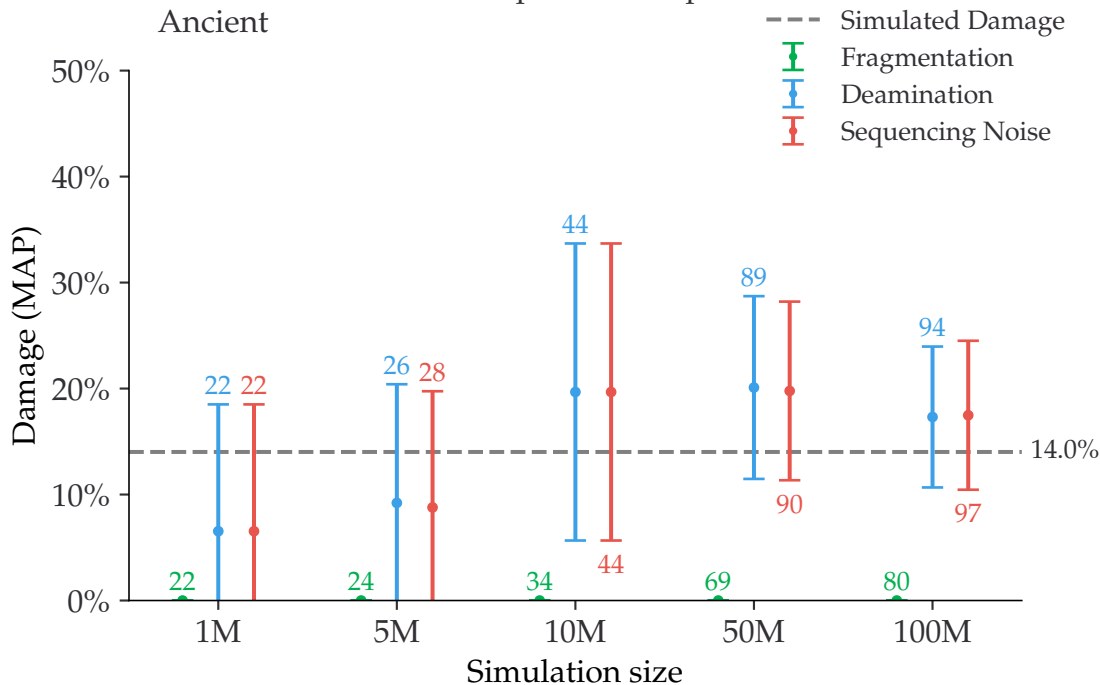




Cave-100-forward

Tax ID: 81319, s\_\_Stenotrophomonas sp003484865

Ancient



Cave-100-forward

Tax ID: 112446, s\_\_28-YEA-48 sp903918155

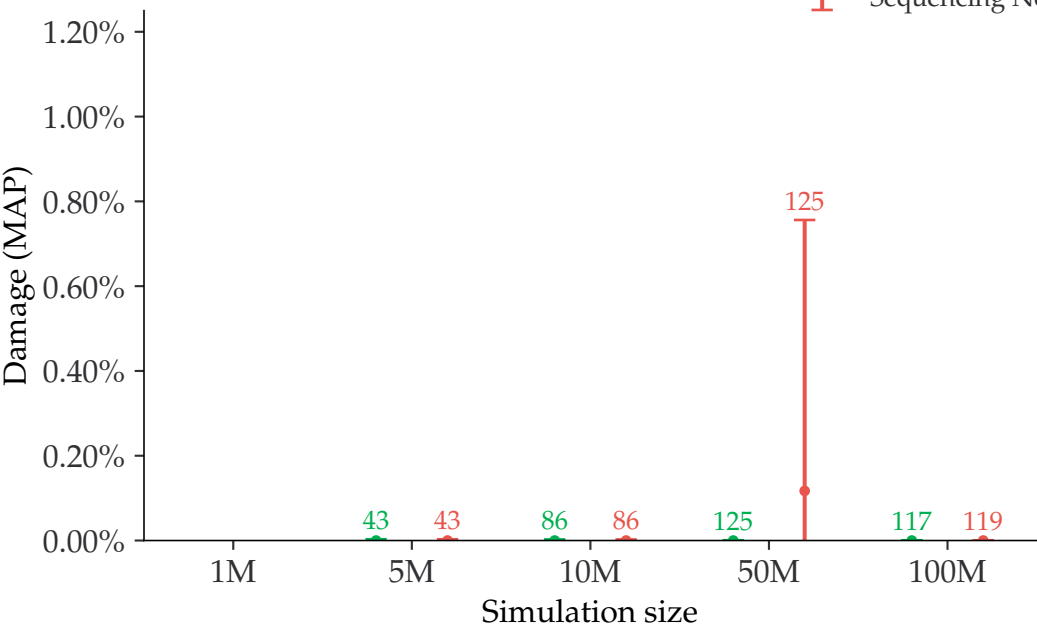
Non-ancient



Fragmentation



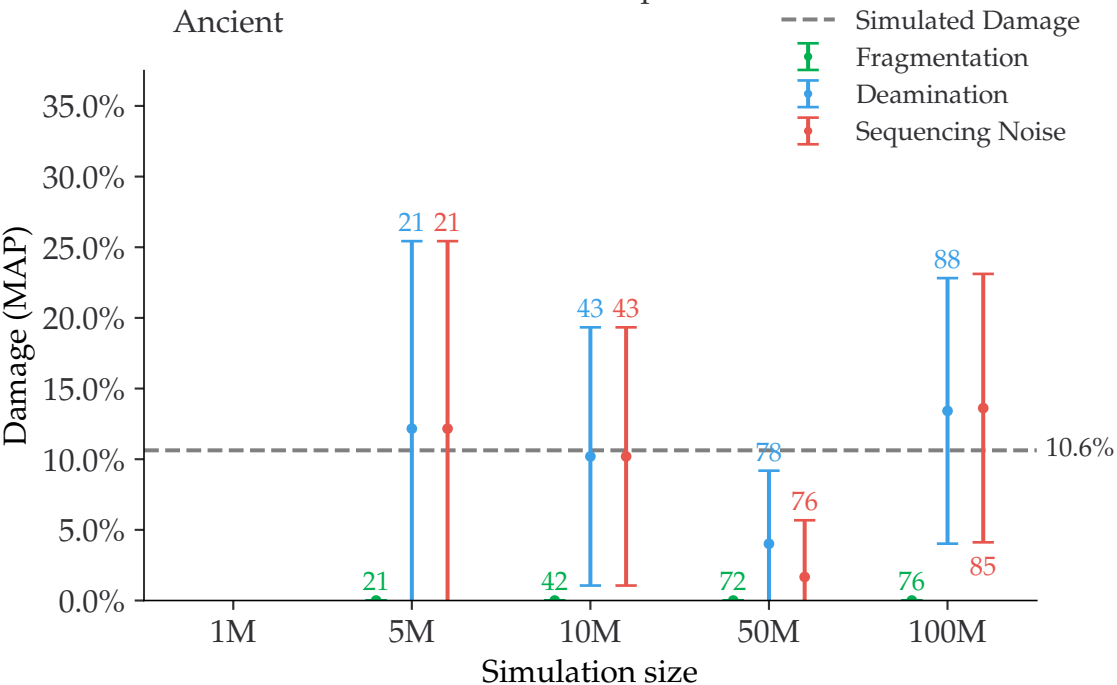
Sequencing Noise



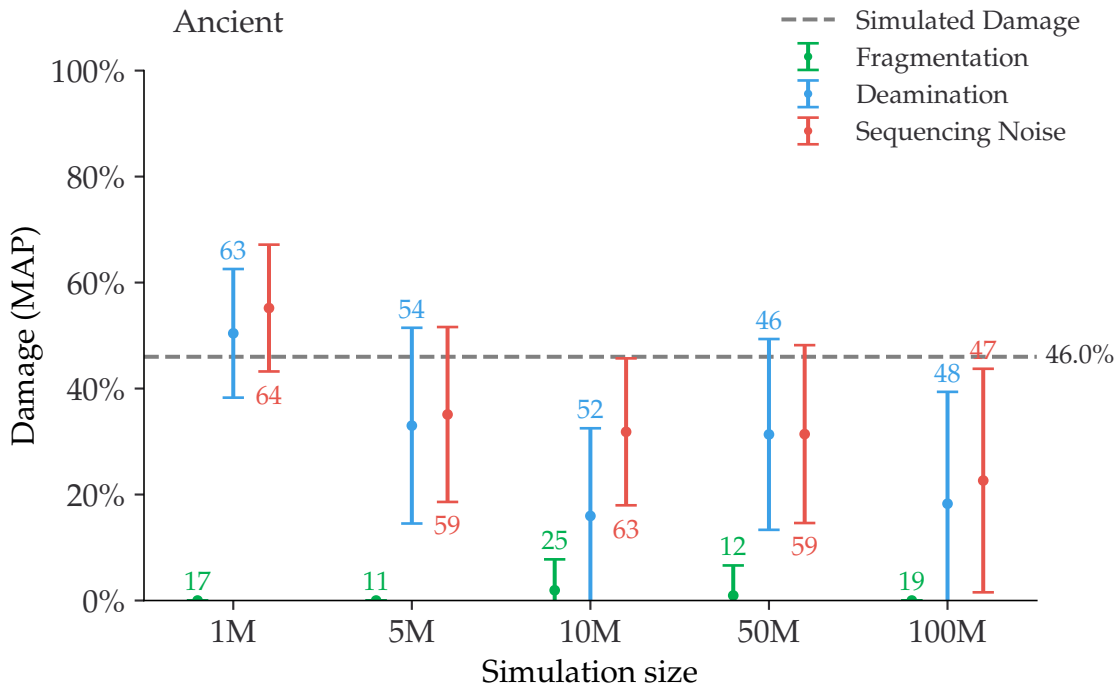
Cave-100-forward

Tax ID: 82055, s\_\_Neorhizobium sp002376235

Ancient



Cave-100-forward  
Tax ID: 133516, s\_\_Bos taurus  
Ancient



Cave-100-forward

Tax ID: 105740, s\_\_Methanobrevibacter\_A sp900314695

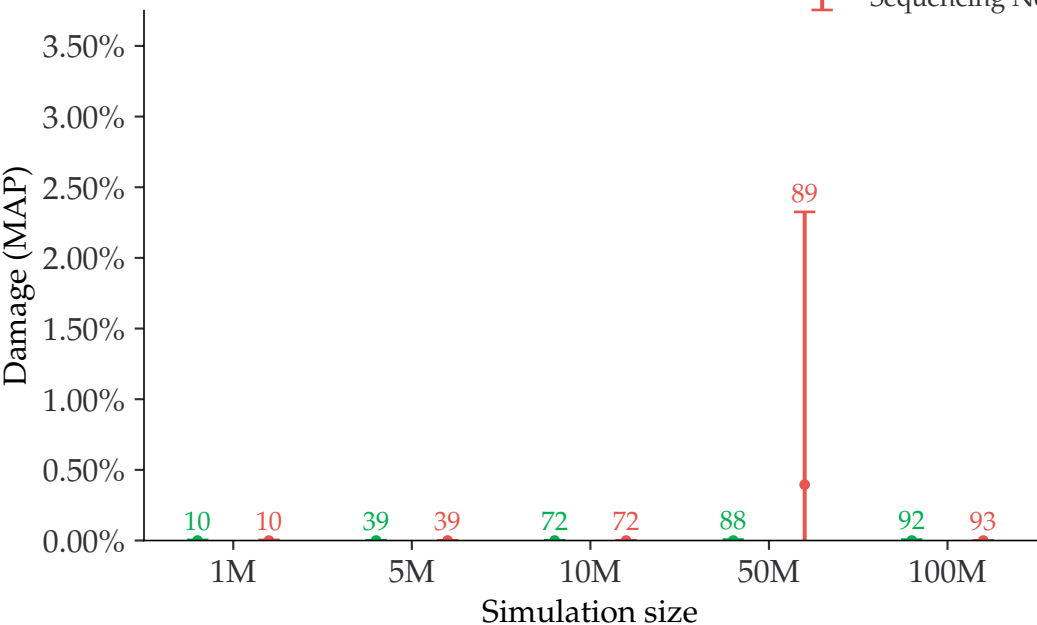
Non-ancient



Fragmentation



Sequencing Noise

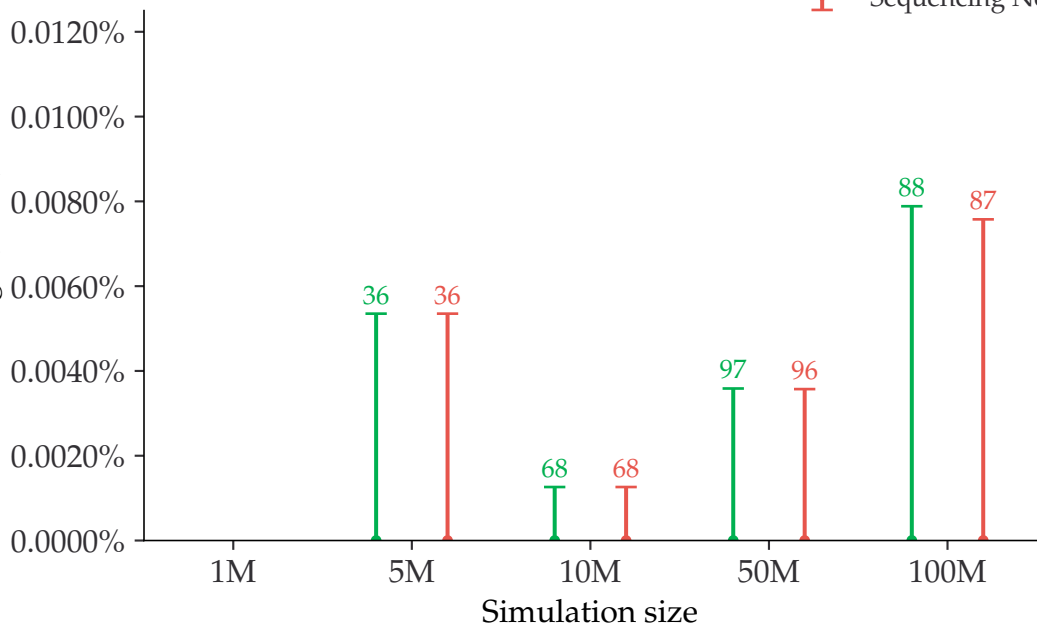


Cave-100-forward

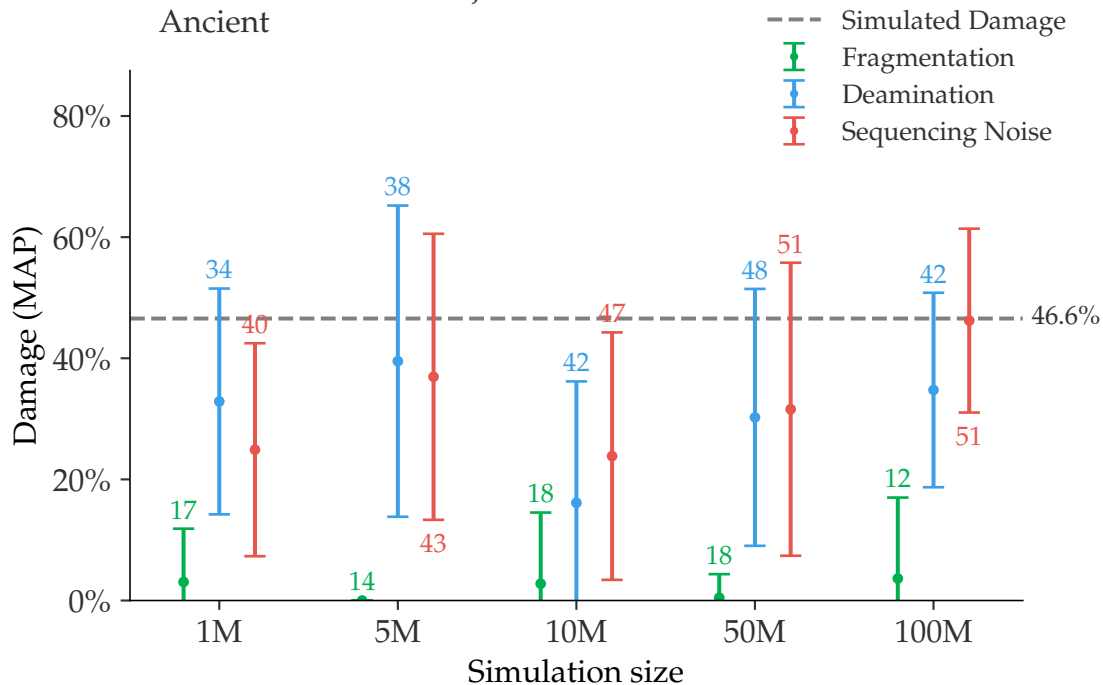
Tax ID: 104323, s\_\_Novosphingobium sp013822005

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward  
Tax ID: 134639, s\_\_Bos javanicus  
Ancient

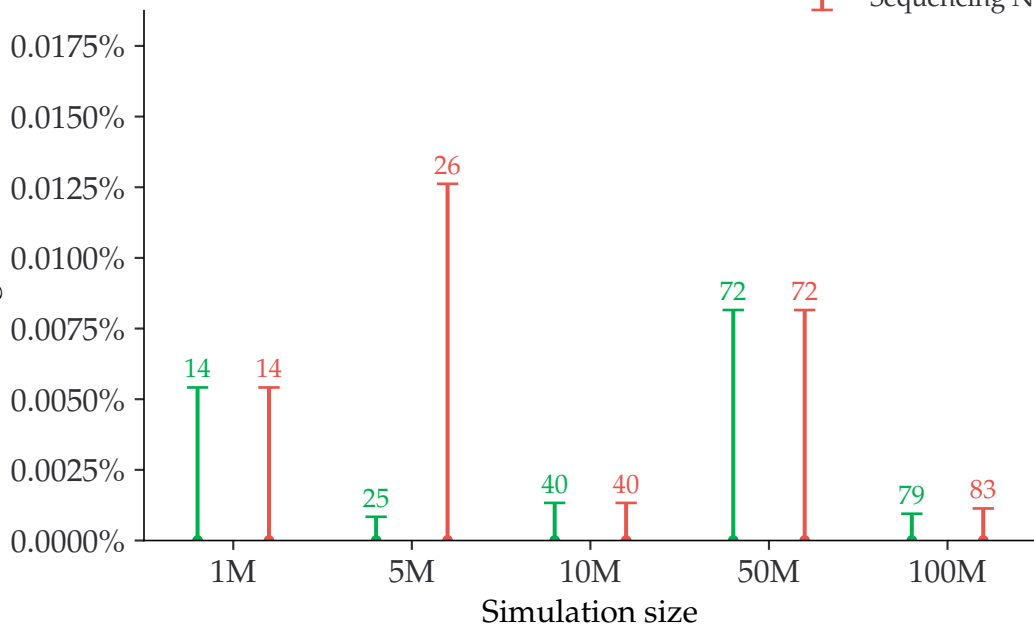


Cave-100-forward

Tax ID: 87302, s\_\_Nitrospira\_F sp002869845

Non-ancient

Fragmentation  
Sequencing Noise





Cave-100-forward

Tax ID: 78865, s\_\_3-1-20CM-2-70-9 sp001919195

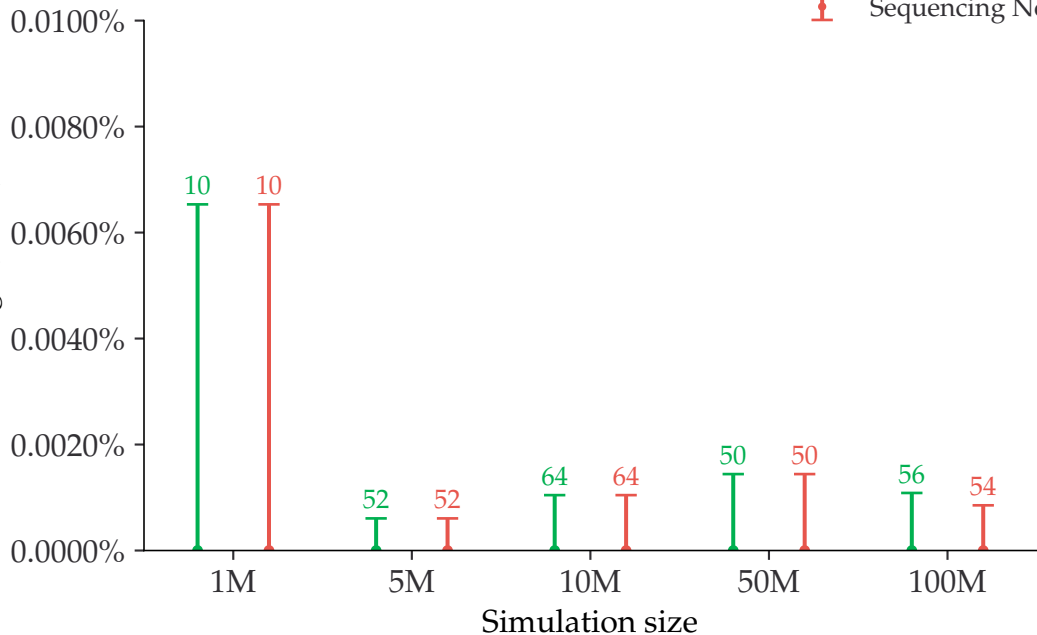
Non-ancient



Fragmentation



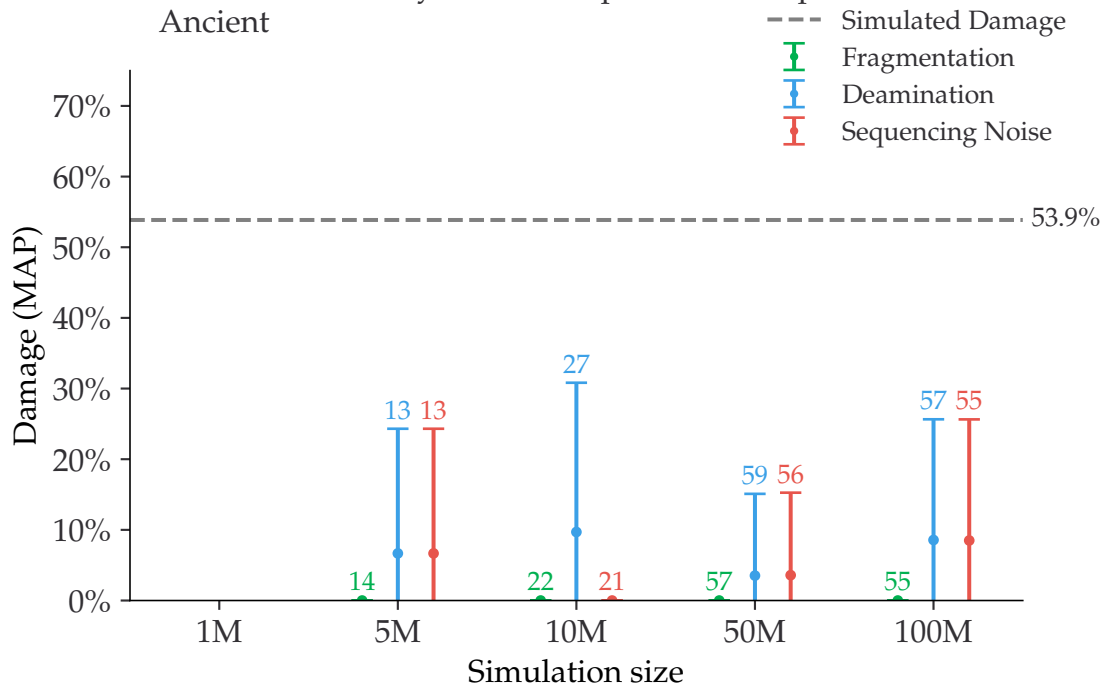
Sequencing Noise



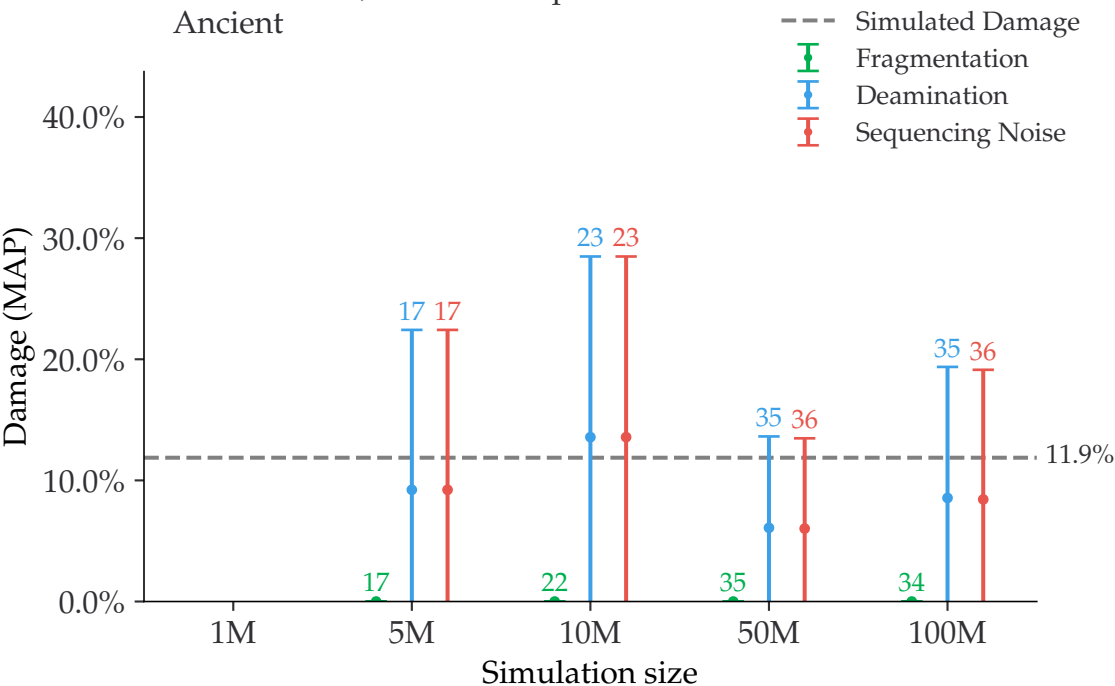
Cave-100-forward

Tax ID: 76356, s\_\_*Lysinibacillus parviboronicapiens*

Ancient



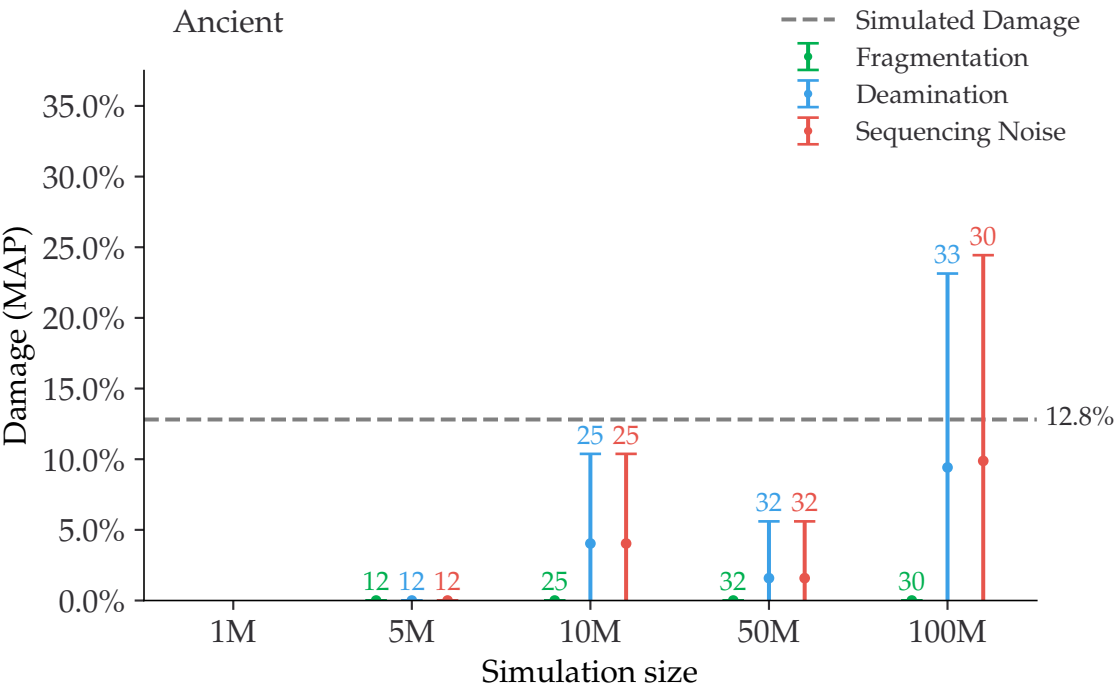
Cave-100-forward  
Tax ID: 92700, s\_PUPC01 sp003559755  
Ancient



Cave-100-forward

Tax ID: 89317, s\_\_Elarobacter vanleeuwenhoekii

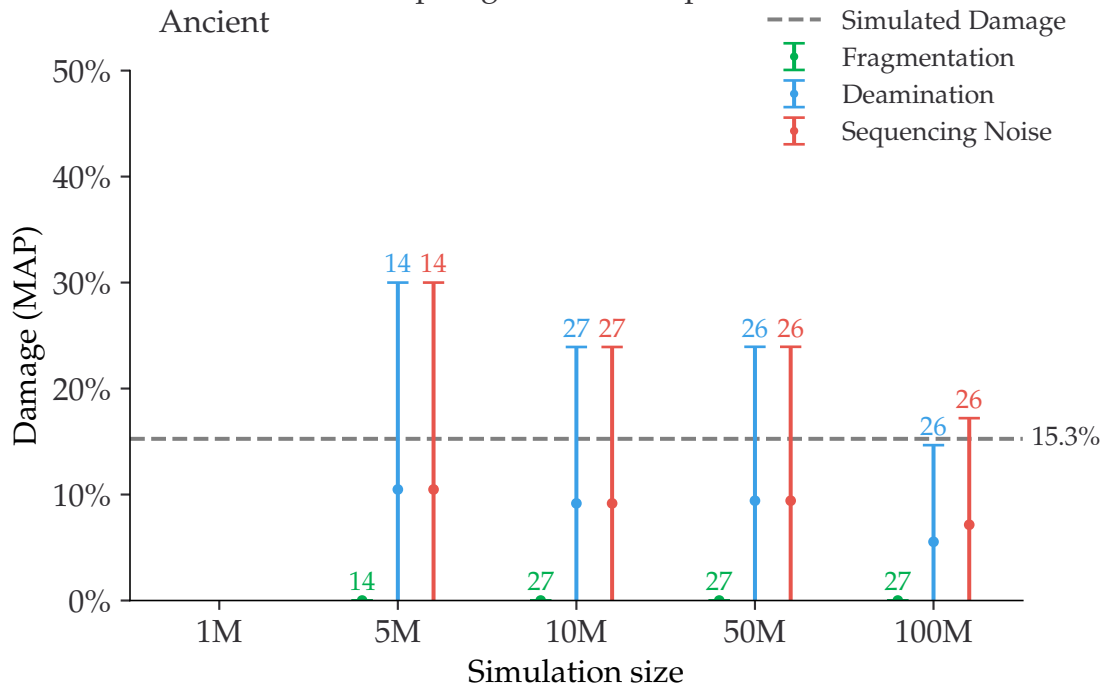
Ancient



Cave-100-forward

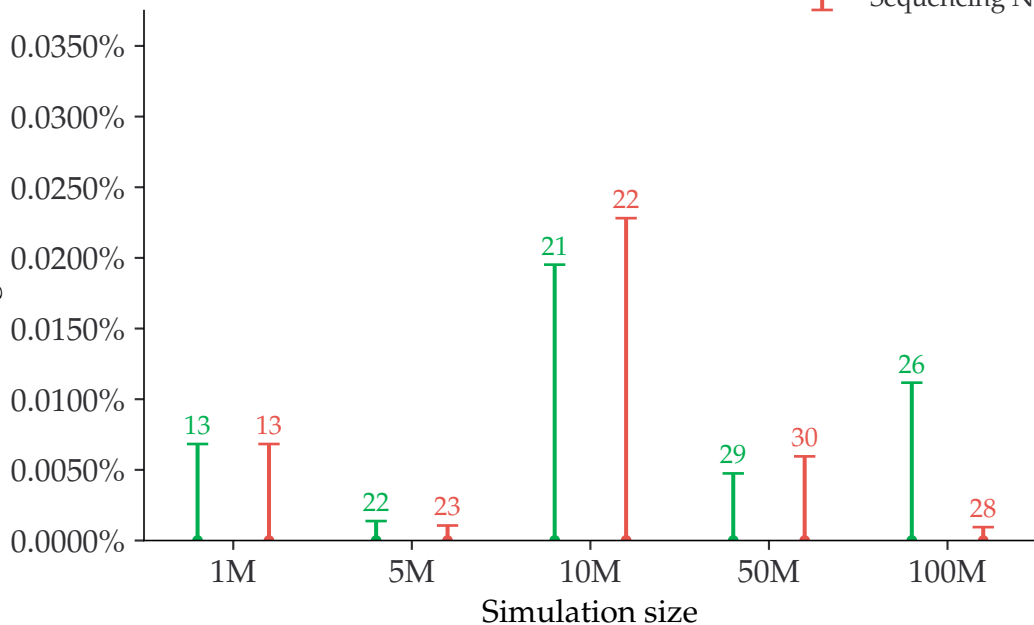
Tax ID: 80635, s\_\_Sphingorhabdus\_B sp002299895

Ancient



Cave-100-forward  
Tax ID: 107573, s\_\_ER4 sp900763705  
Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward

Tax ID: 107291, s\_\_Collinsella sp900555555

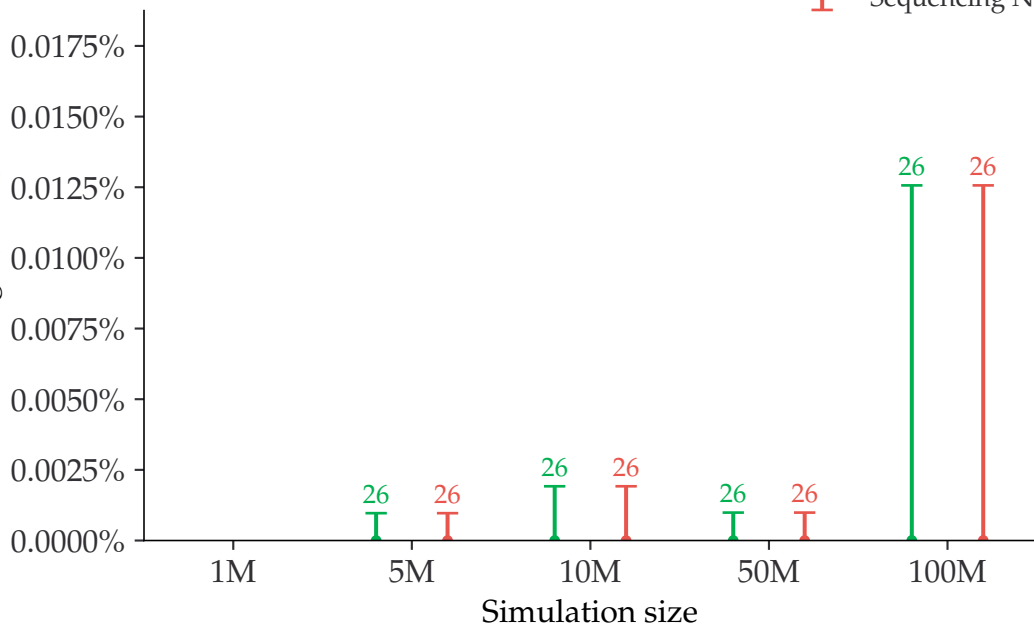
Non-ancient



Fragmentation



Sequencing Noise



Cave-100-forward

Tax ID: 108539, s\_\_Nitrosopelagicus sp902566725

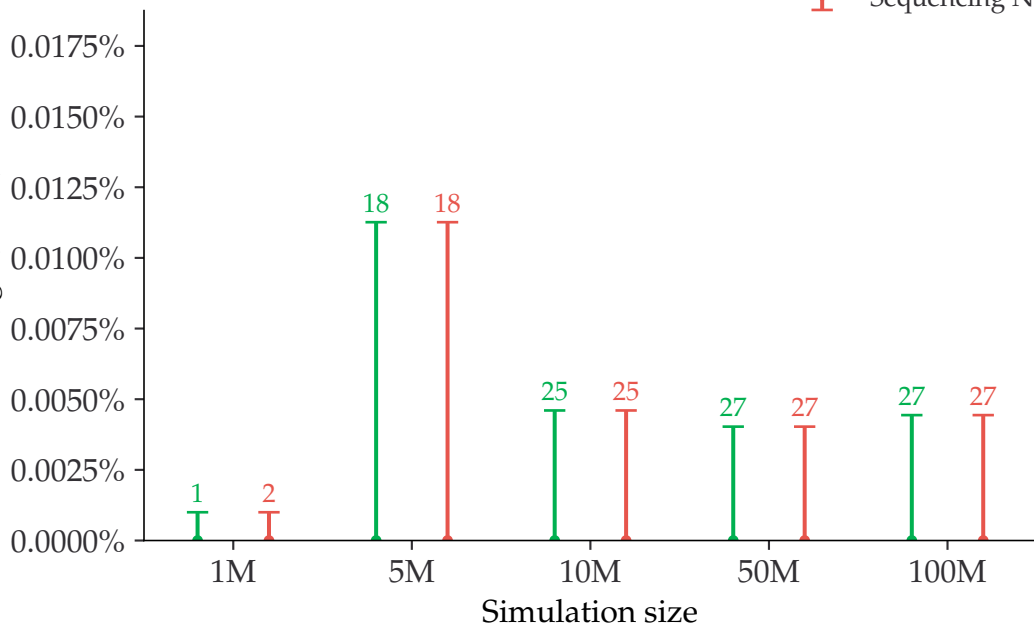
Non-ancient



Fragmentation

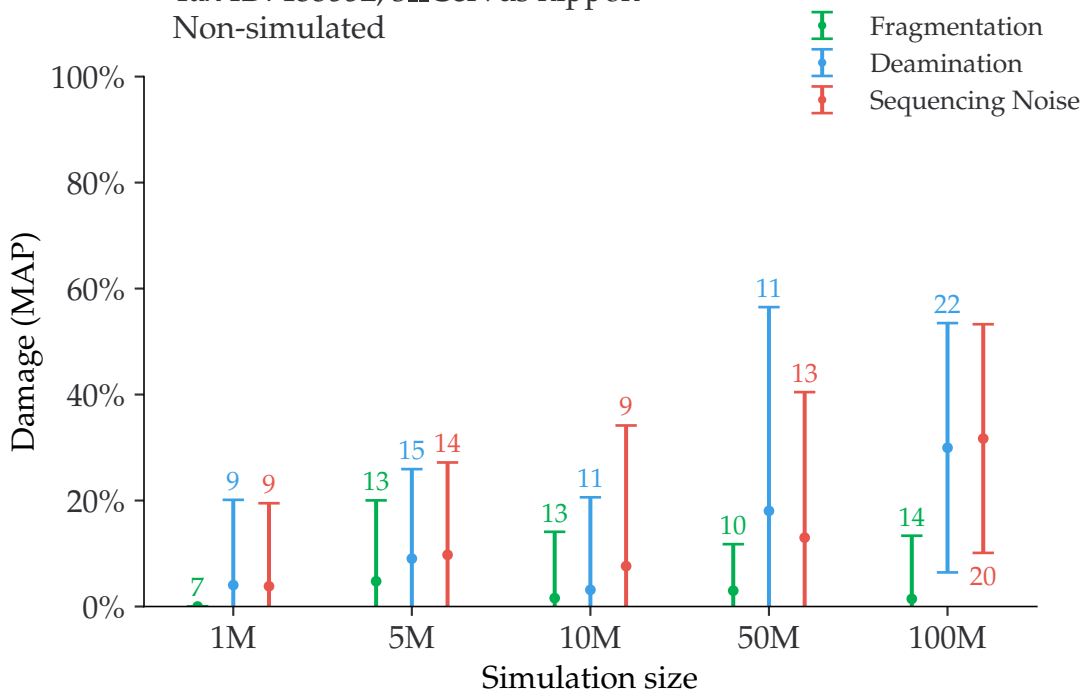


Sequencing Noise

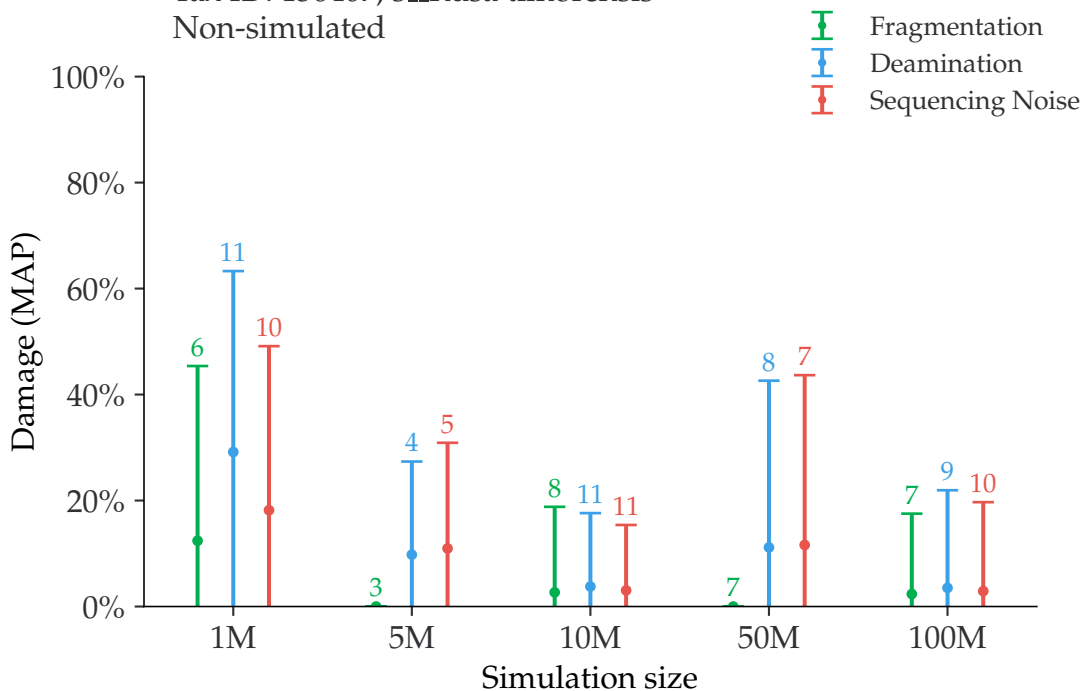




Cave-100-forward  
Tax ID: 133552, s\_\_Cervus nippon  
Non-simulated



Cave-100-forward  
Tax ID: 136407, s\_\_Rusa timorensis  
Non-simulated

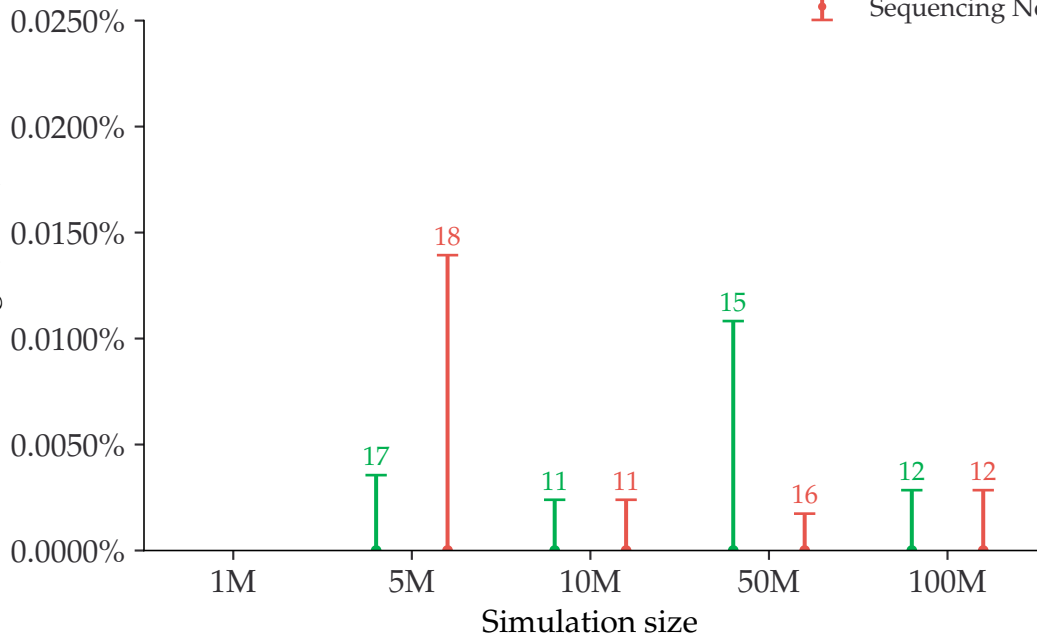


Cave-100-forward

Tax ID: 72343, s\_\_Nitrosopumilus sp000484975

Non-ancient

Fragmentation  
Sequencing Noise



Cave-100-forward  
Tax ID: 135161, s\_\_Rucervus eldii  
Non-simulated

