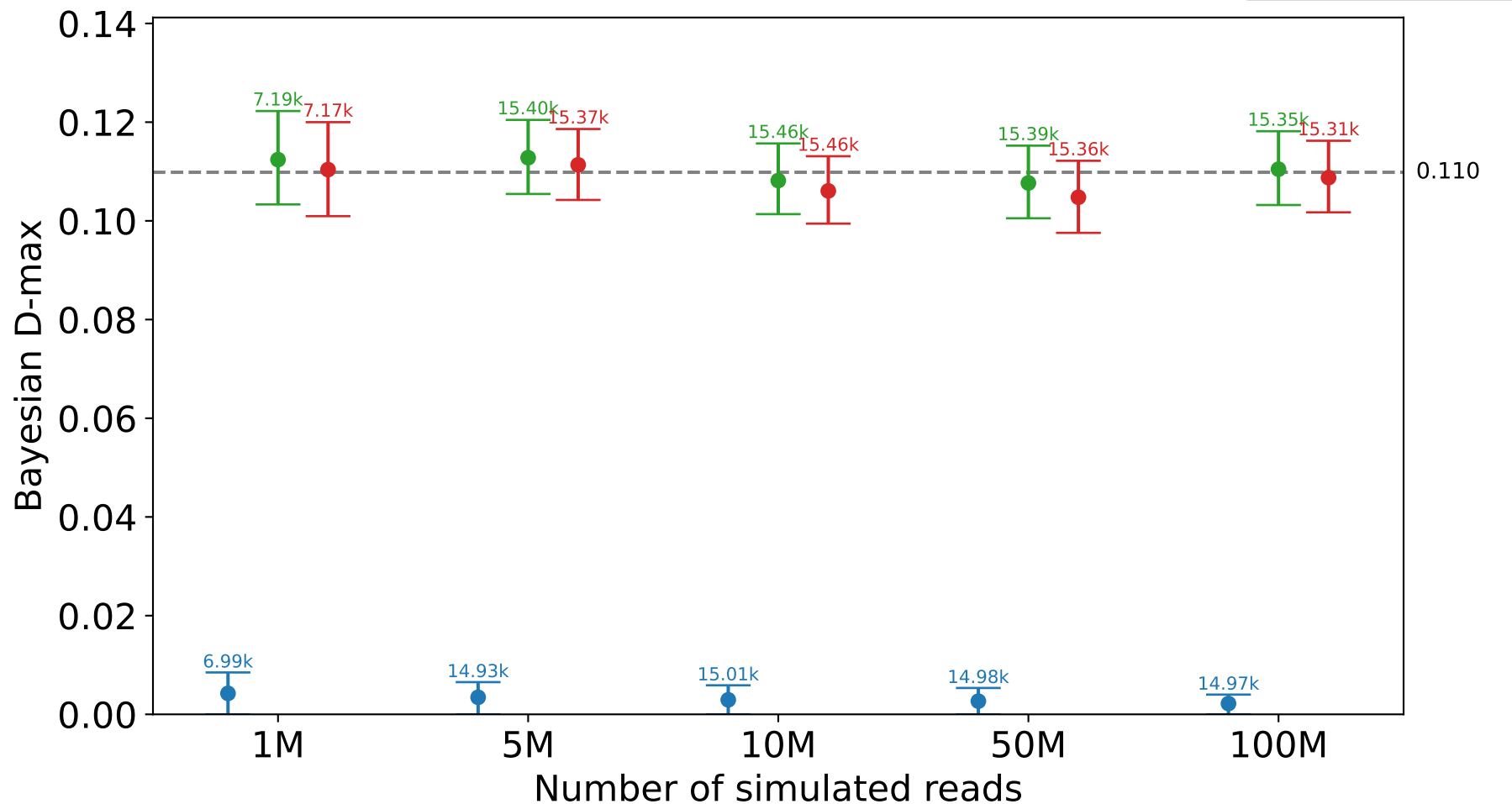


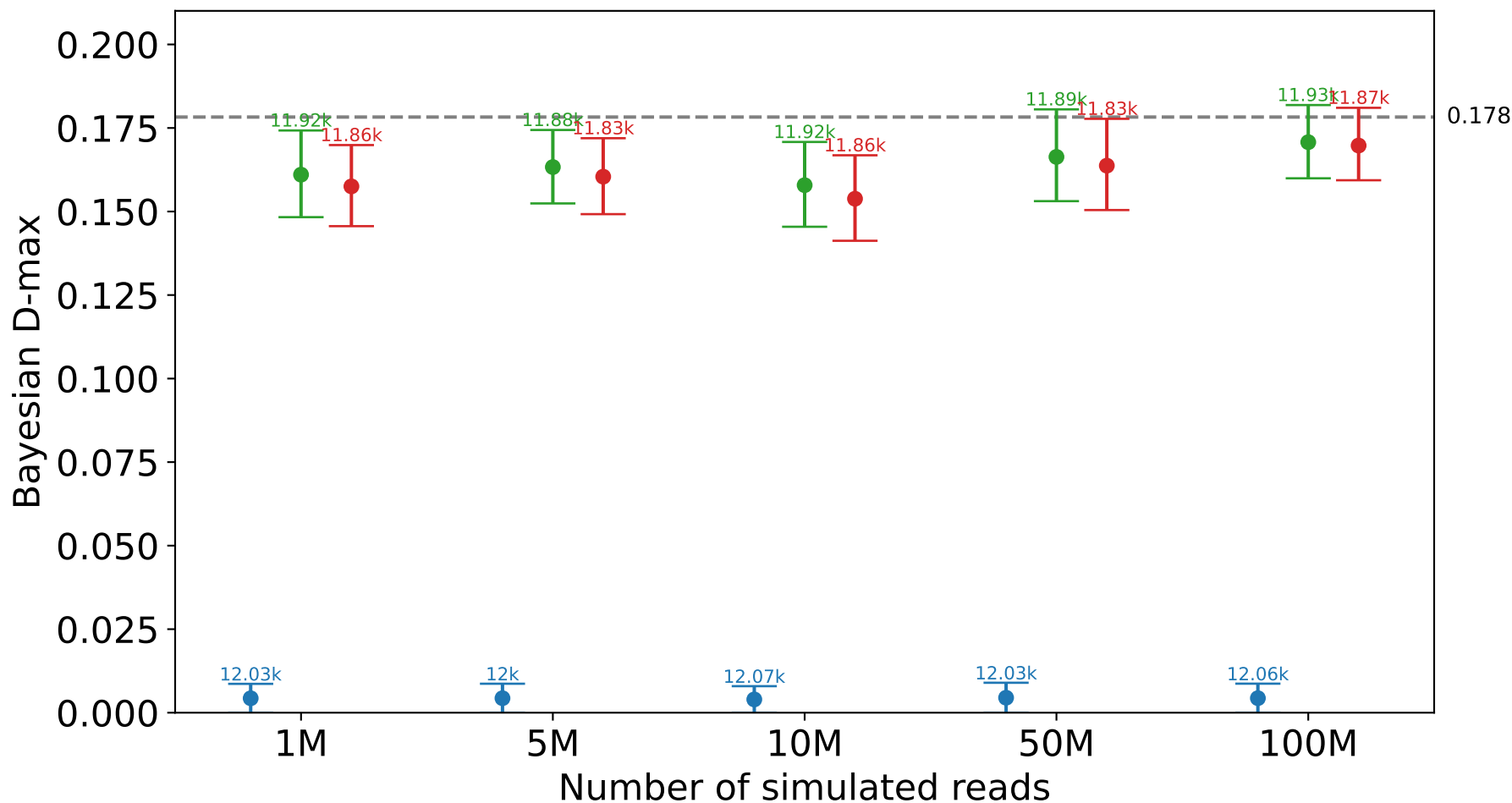
Only ancient: True

# Cave-22, Tax ID: 123029 s\_\_Promicromonospora sukumoe\_A



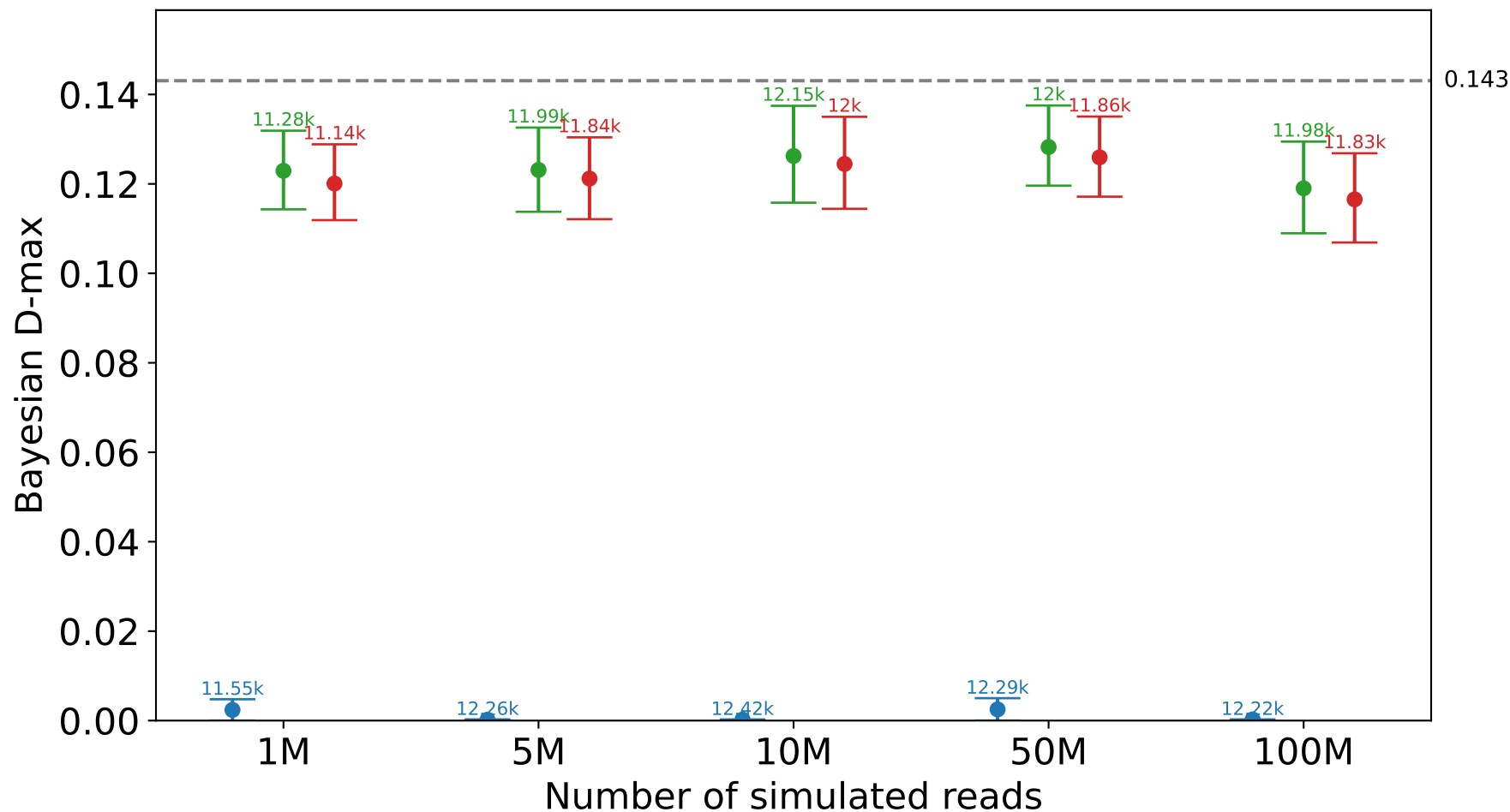
Only ancient: True

Cave-22, Tax ID: 76533  
s\_CSP1-1 sp001443365



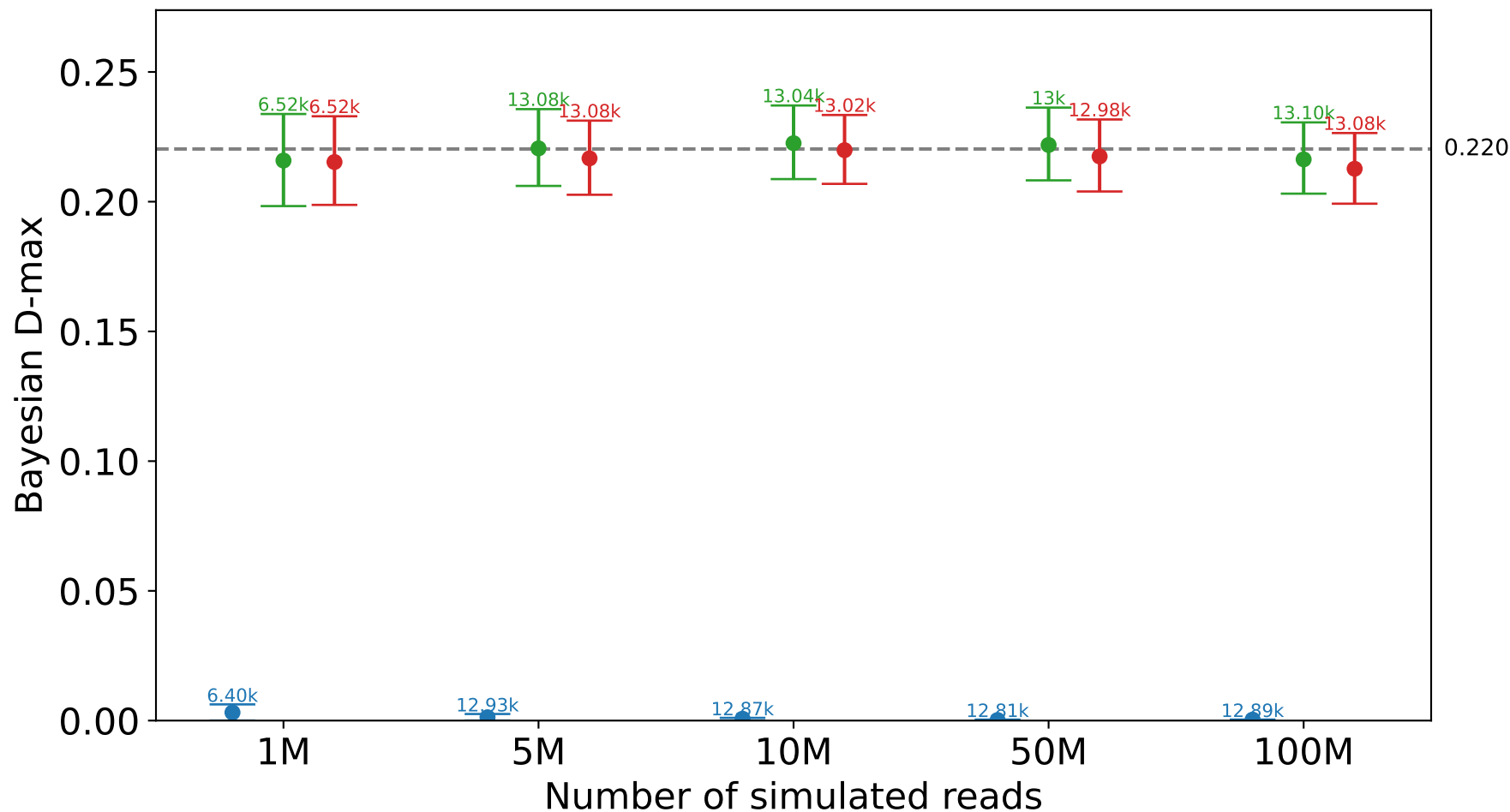
Only ancient: True

# Cave-22, Tax ID: 79512 s\_USCg-Taylor sp002007425



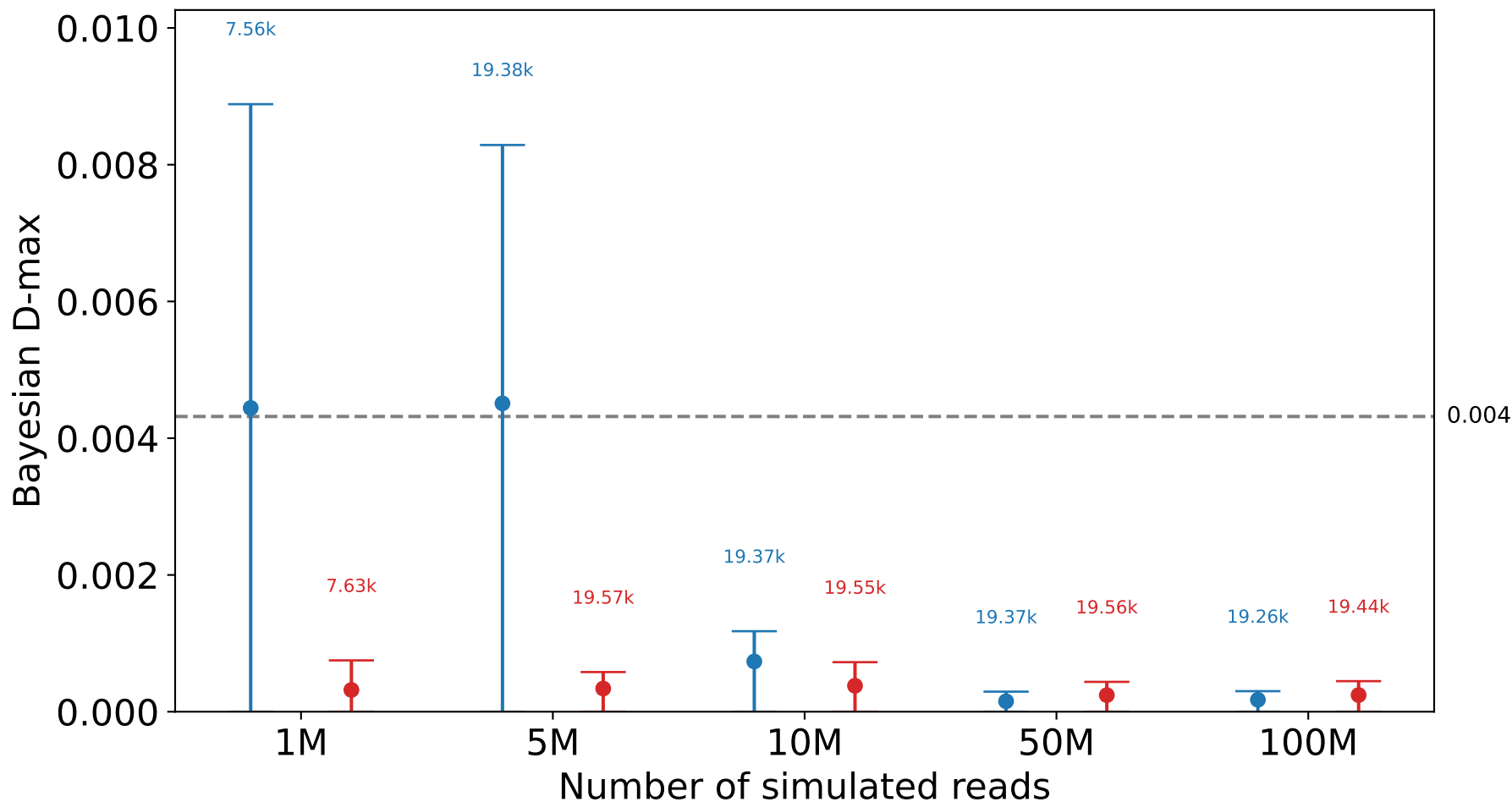
Only ancient: True

# Cave-22, Tax ID: 119528 s\_Sporosarcina psychrophila



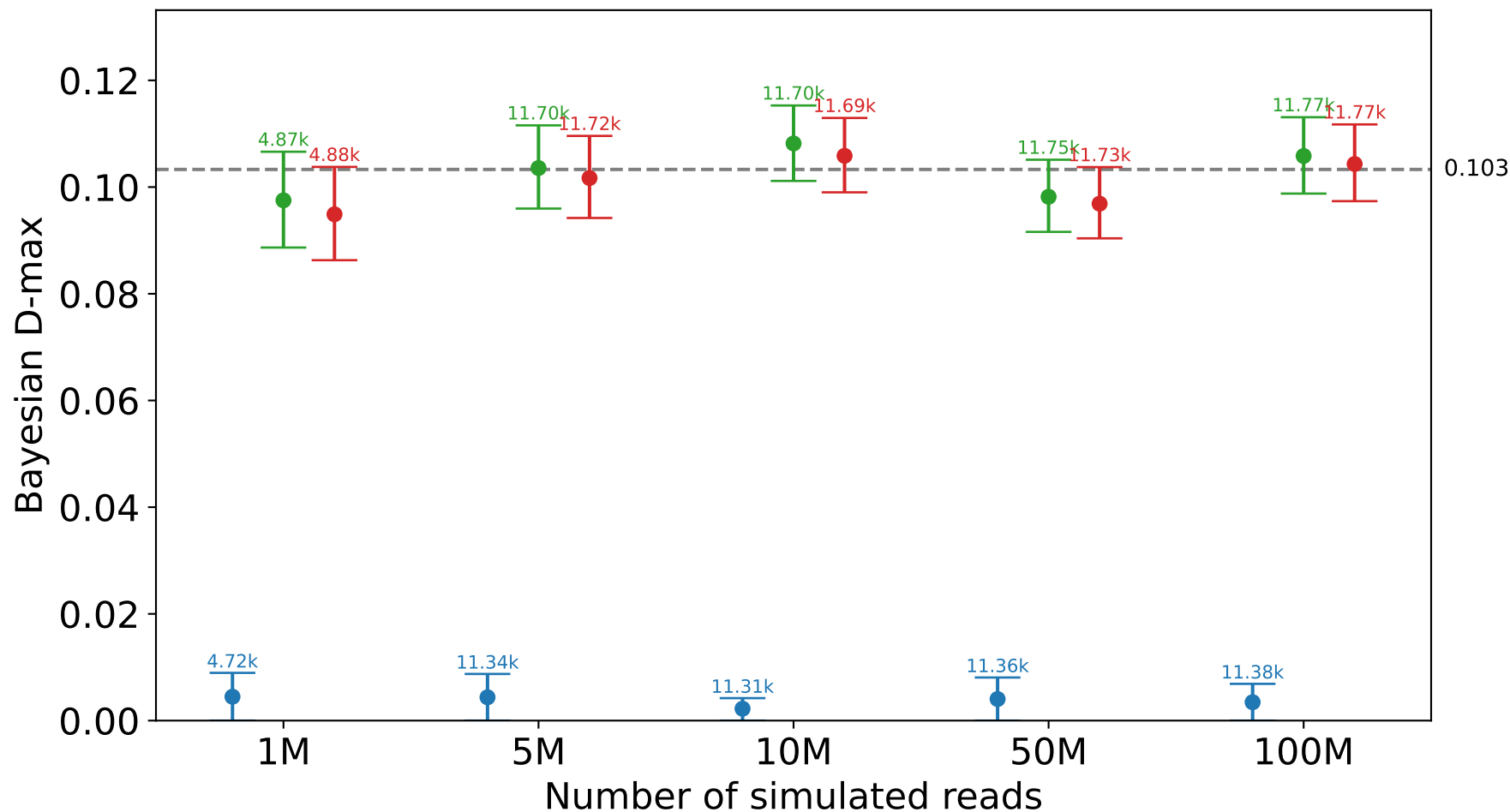
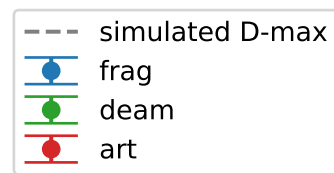
Only ancient: None

# Cave-22, Tax ID: 125698 s\_Actinokineospora alba



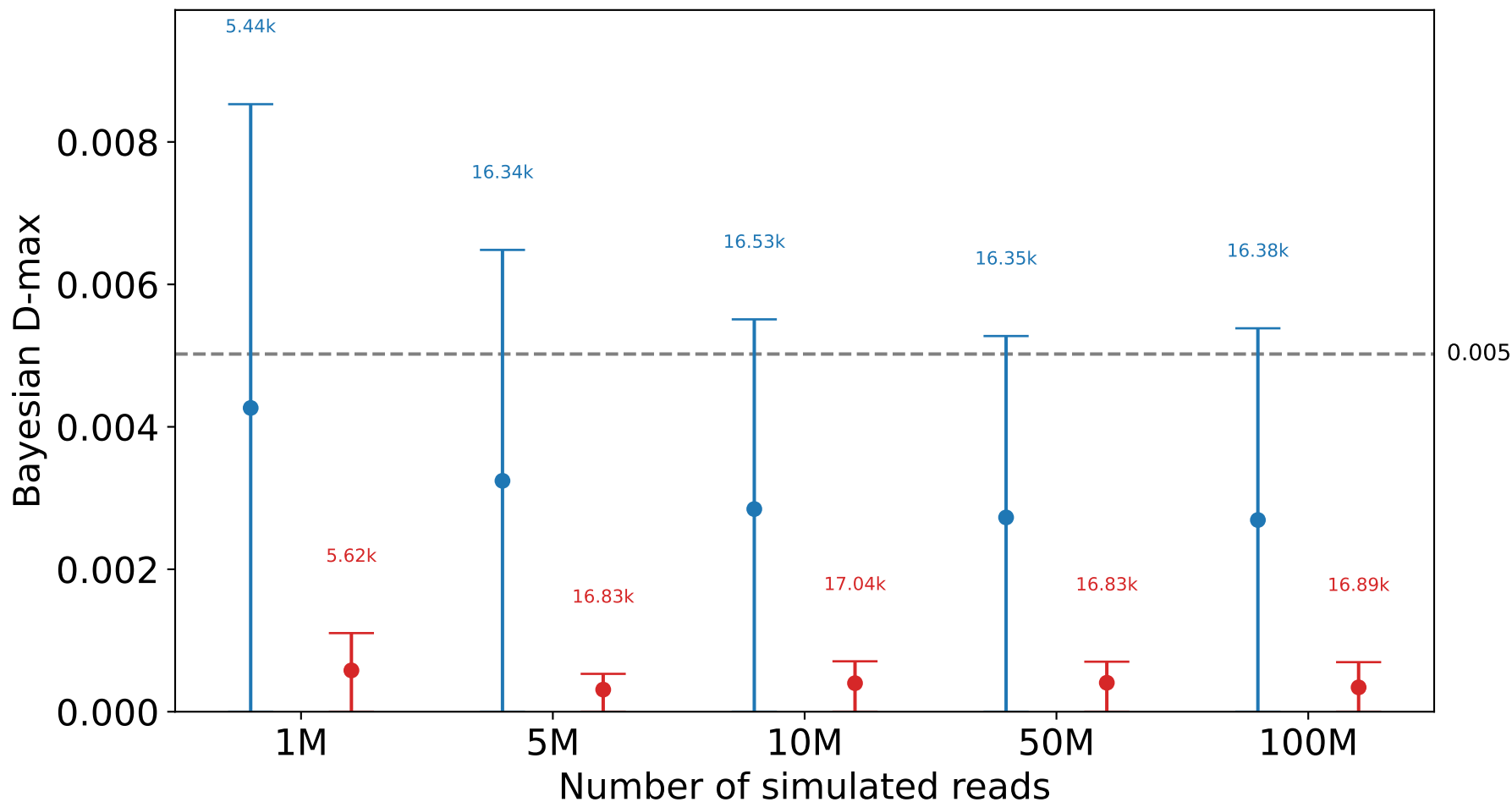
Only ancient: True

Cave-22, Tax ID: 122940  
s\_\_Promicromonospora sp003058225



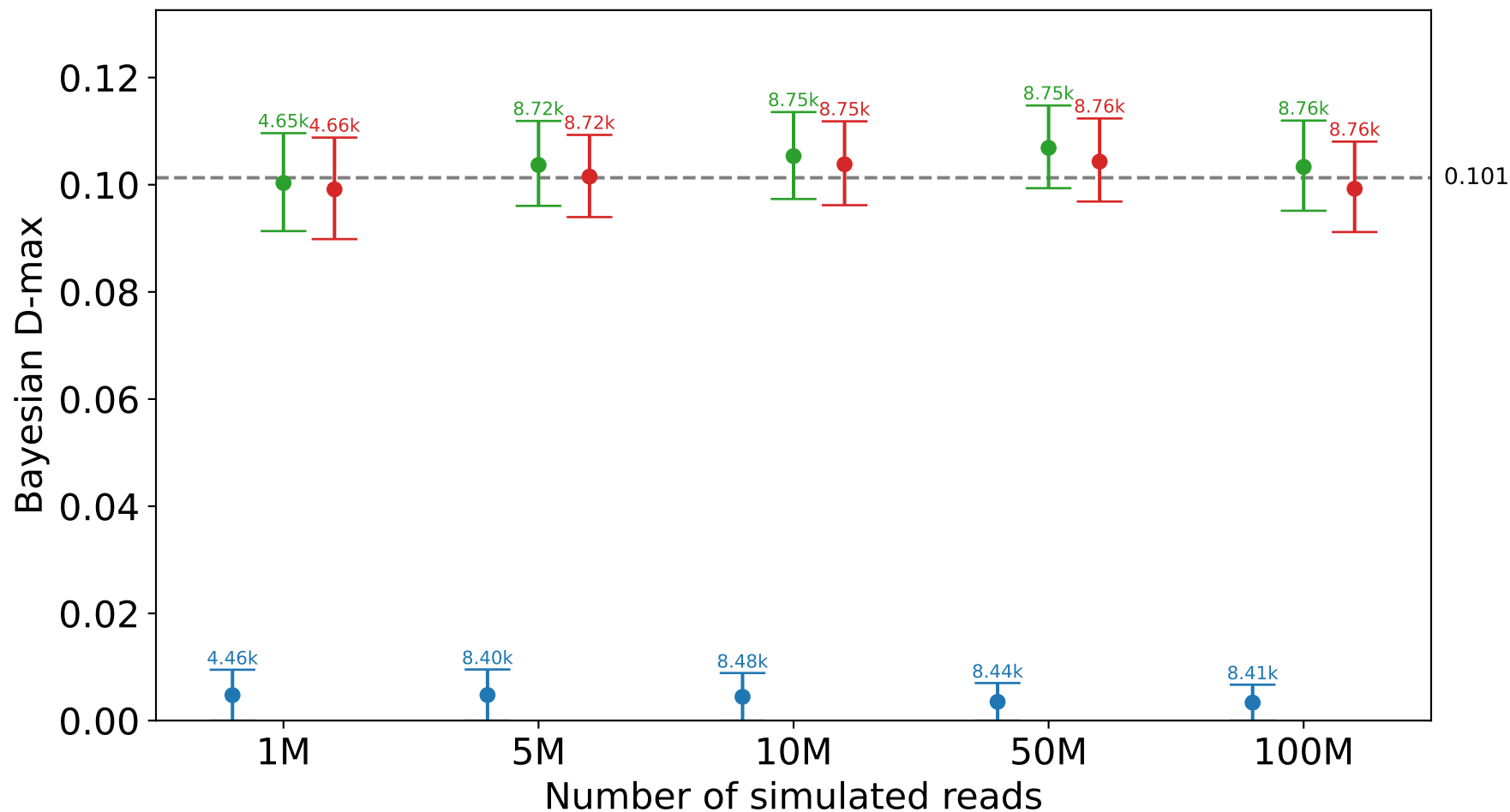
Only ancient: None

# Cave-22, Tax ID: 116791 s\_Lentzea albidocapillata



Only ancient: True

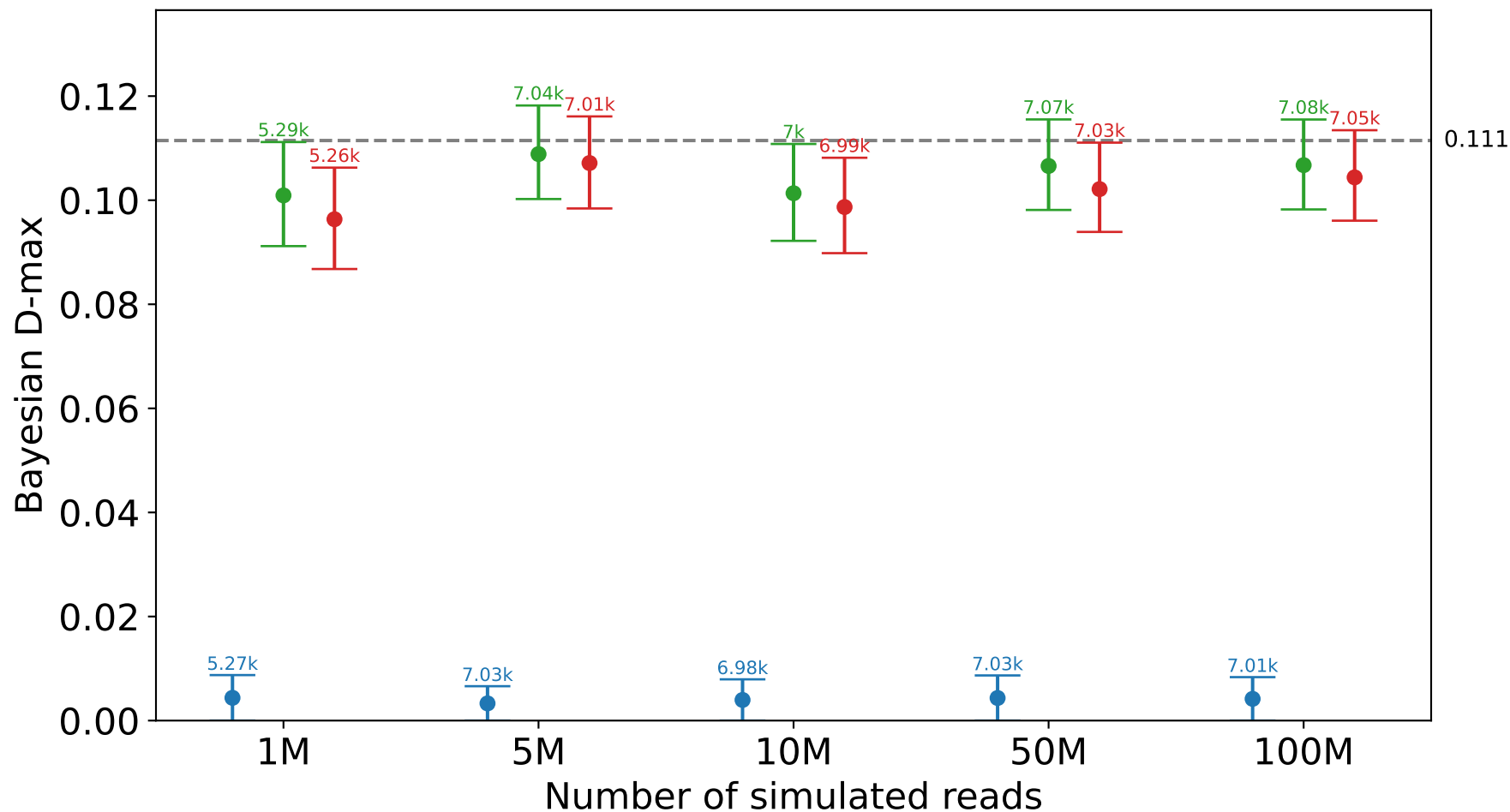
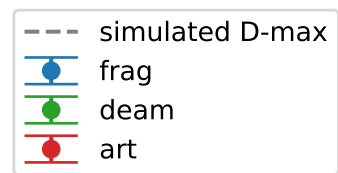
# Cave-22, Tax ID: 105443 s\_Promicromonospora soli





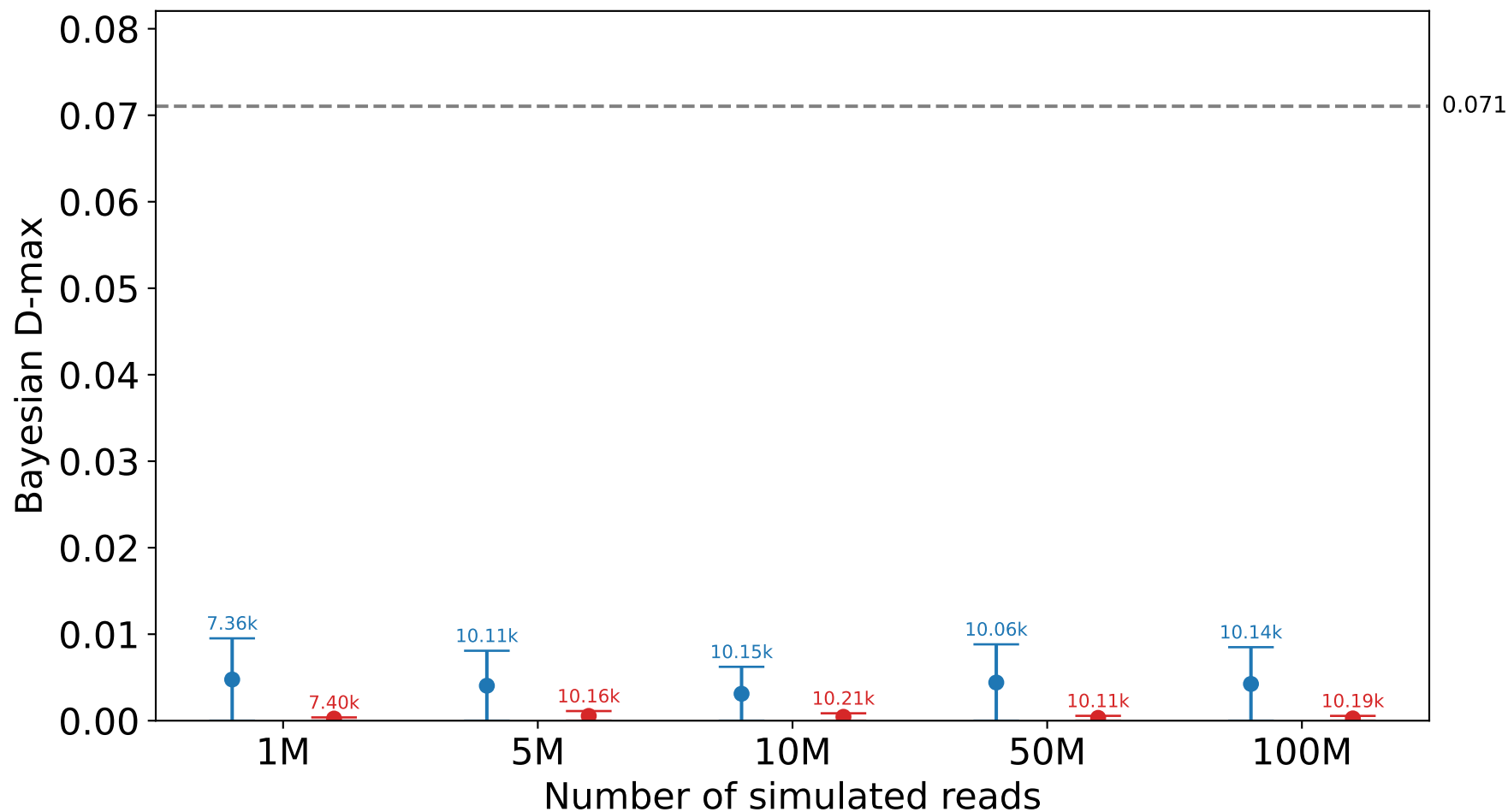
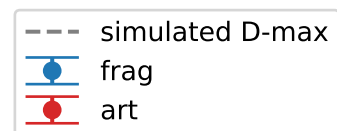
Only ancient: True

Cave-22, Tax ID: 110786  
s\_SCSIO-52909 sp902806095



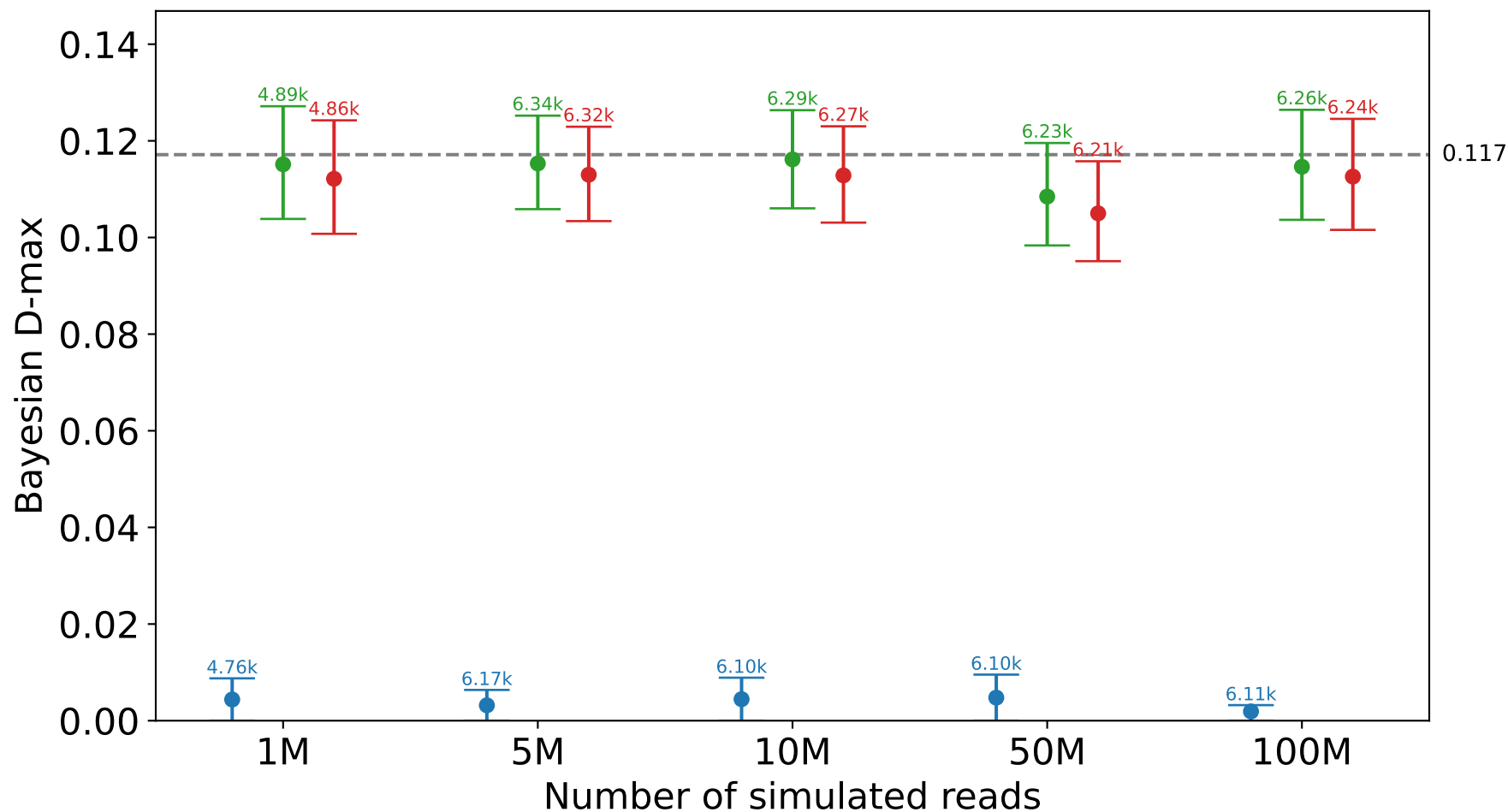
Only ancient: None

# Cave-22, Tax ID: 115285 s\_\_Nocardiodes allogilvus



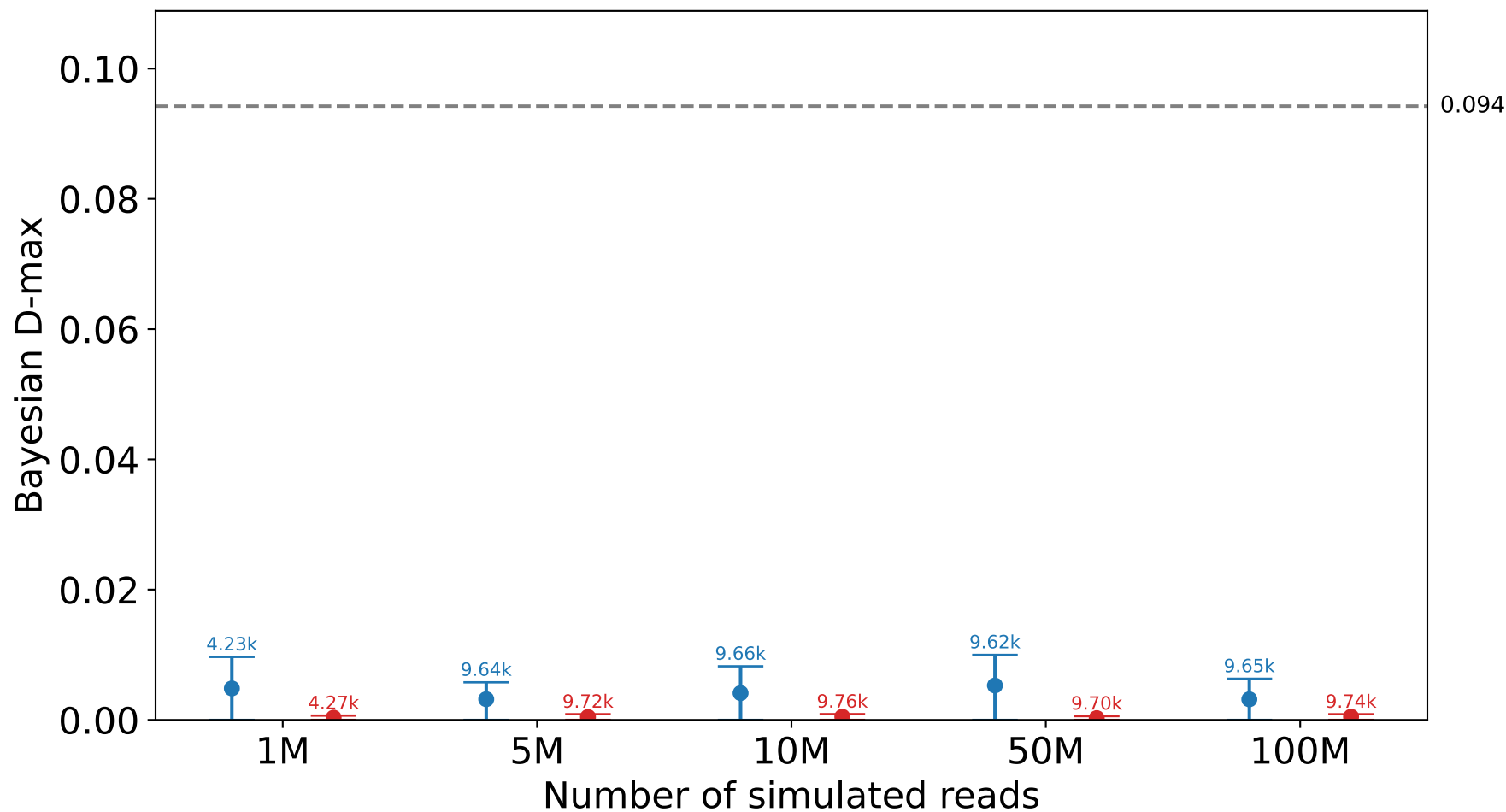
Only ancient: True

Cave-22, Tax ID: 104738  
s\_Palsa-1315 sp014379455



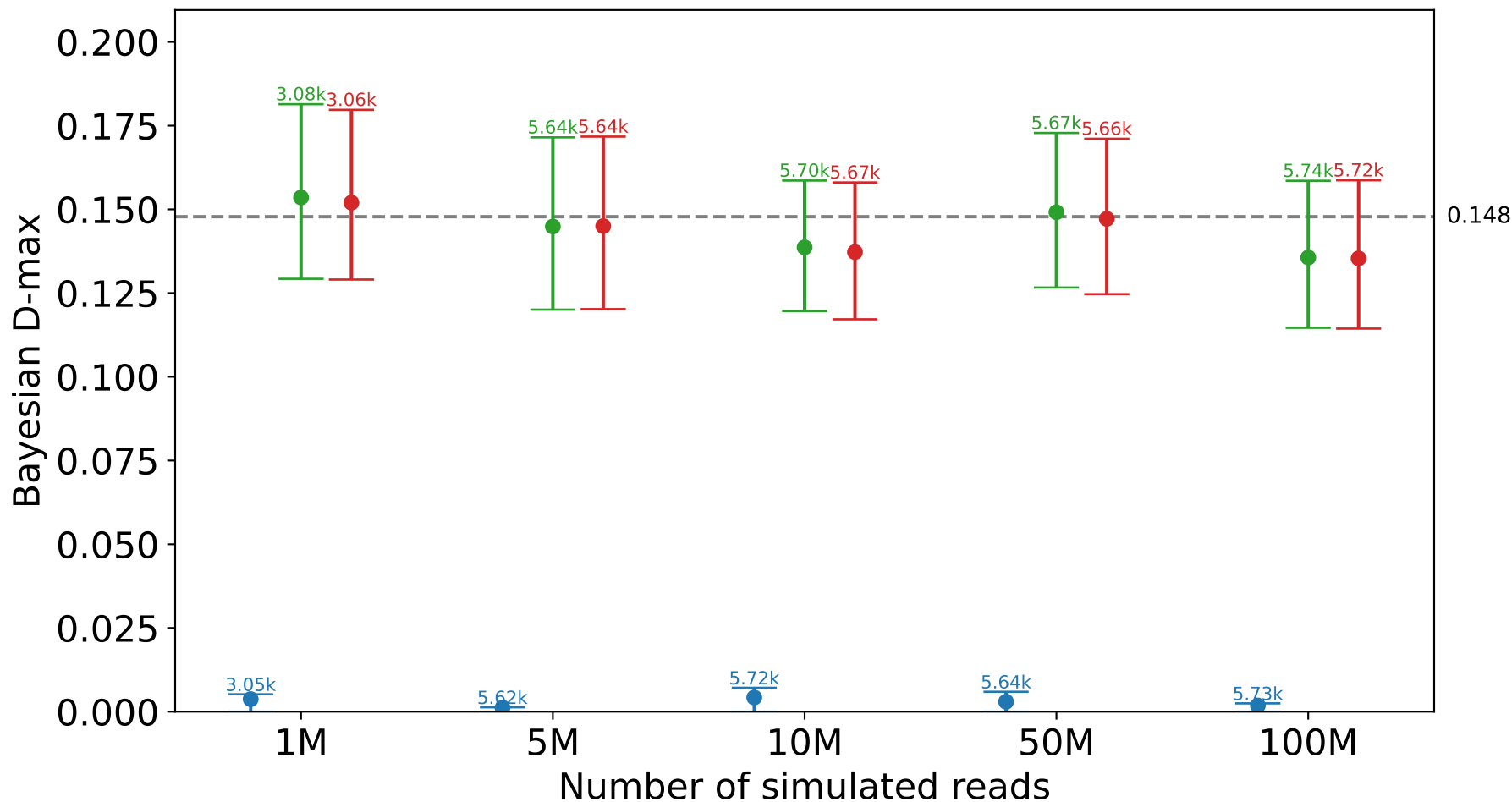
Only ancient: None

Cave-22, Tax ID: 132108  
s\_\_Promicromonospora sp900608595



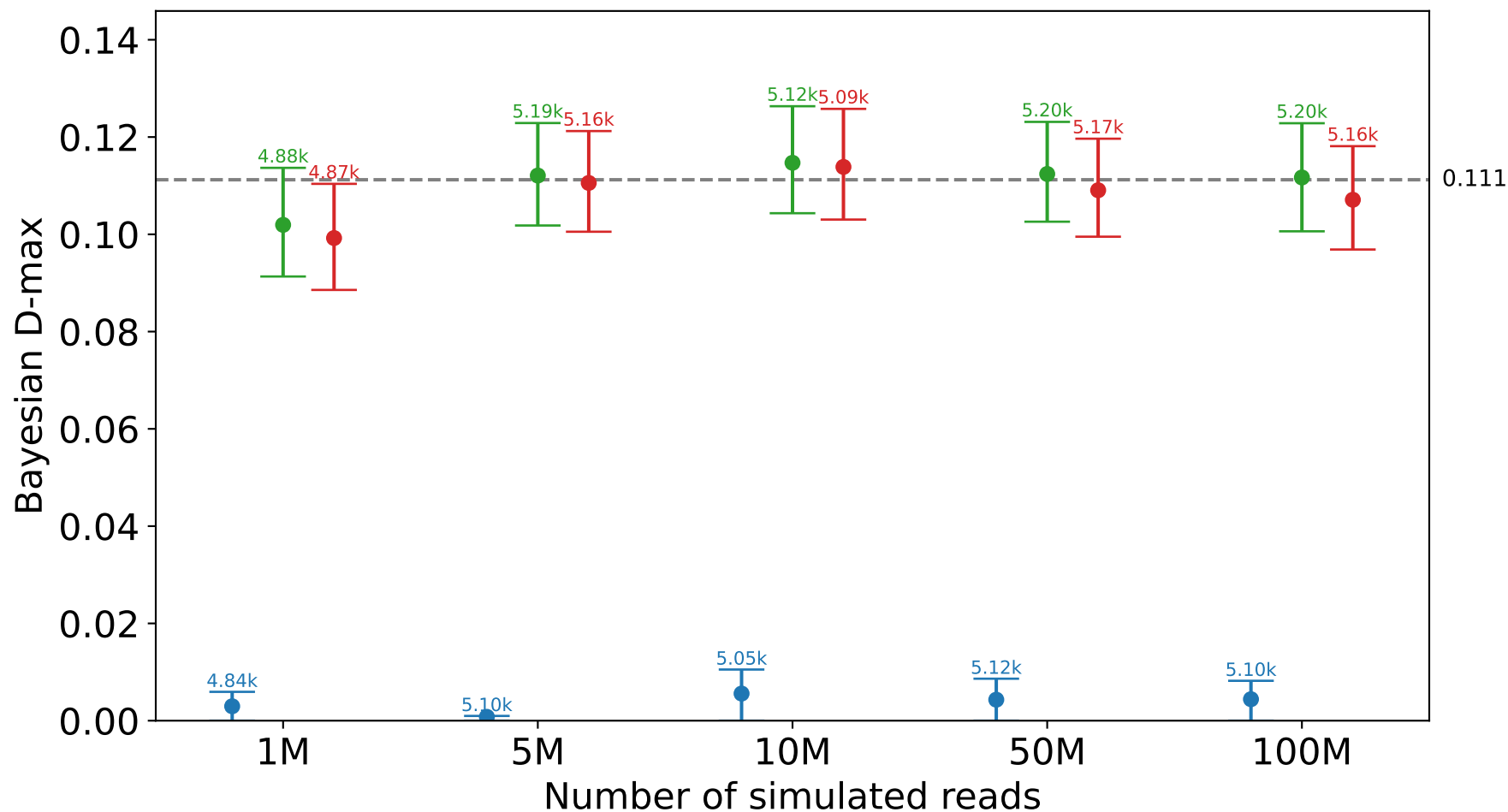
Only ancient: True

# Cave-22, Tax ID: 130414 s\_\_Romboutsia hominis



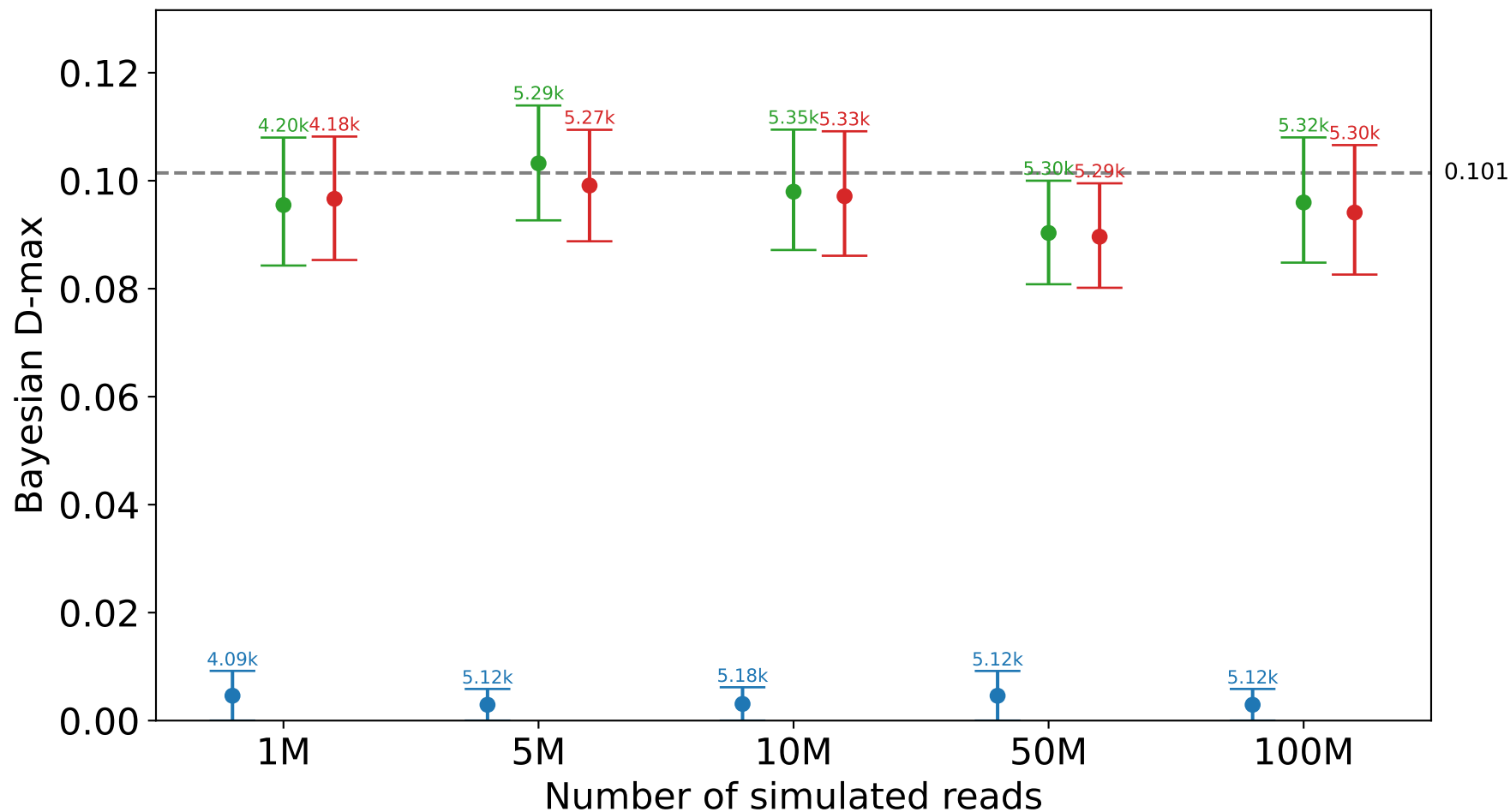
Only ancient: True

Cave-22, Tax ID: 104173  
s\_SCSIO-52909 sp013698525



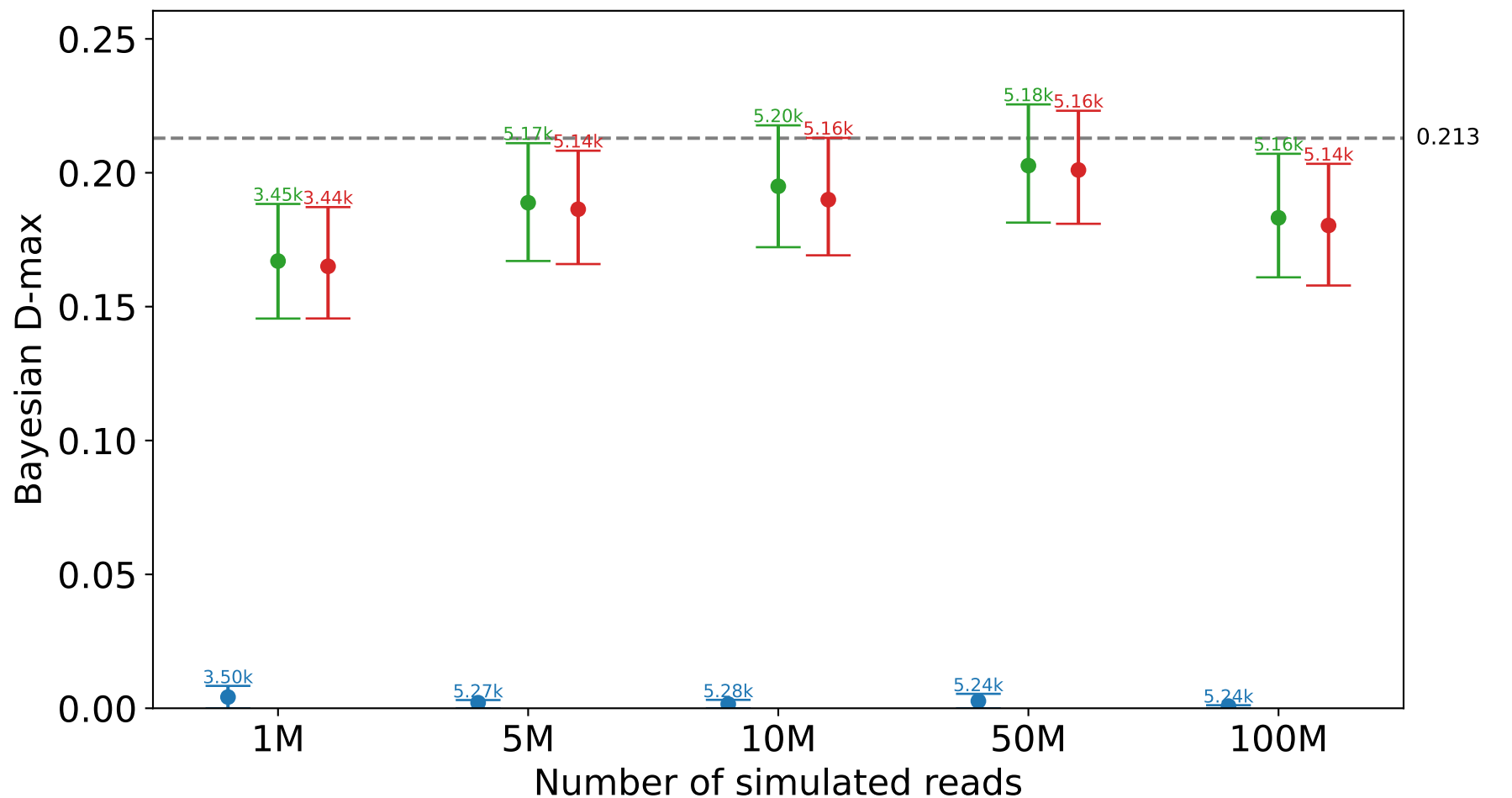
Only ancient: True

Cave-22, Tax ID: 97995  
s\_Palsa-1315 sp005887945



Only ancient: True

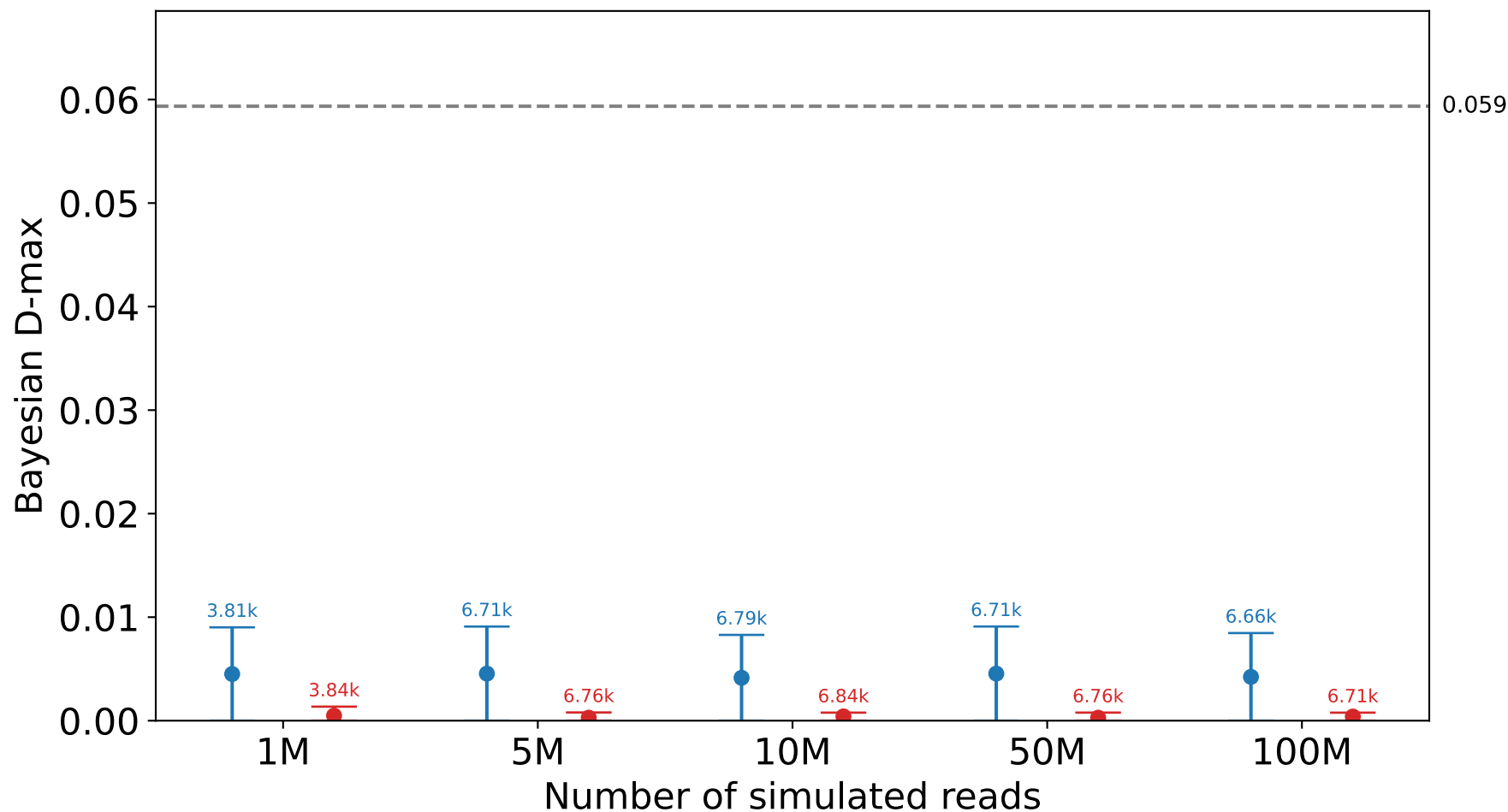
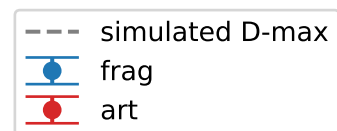
# Cave-22, Tax ID: 117044 s\_\_Carnobacterium maltaromaticum





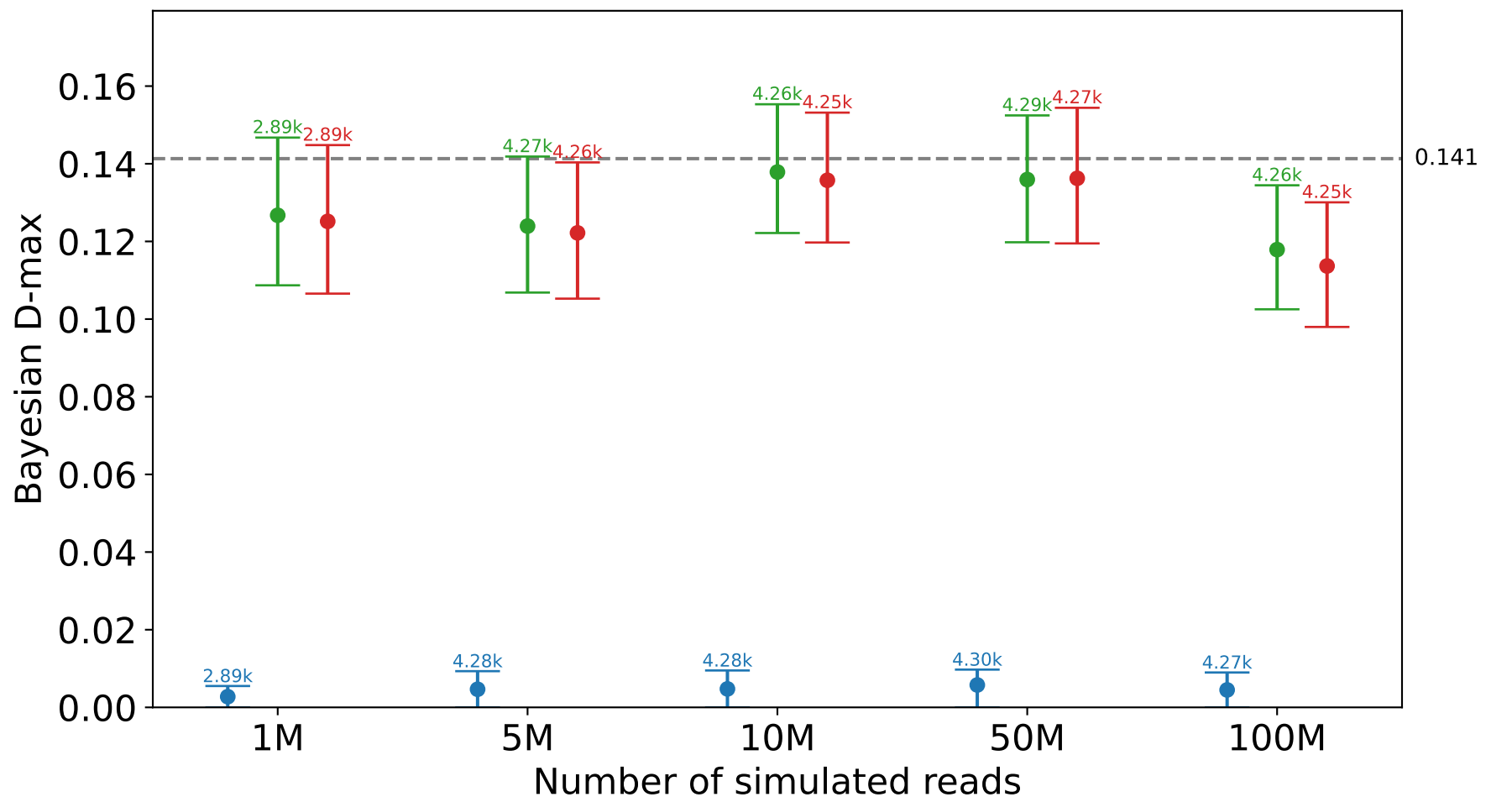
Only ancient: None

# Cave-22, Tax ID: 126546 s\_\_Pseudonocardia hydrocarbonoxydans



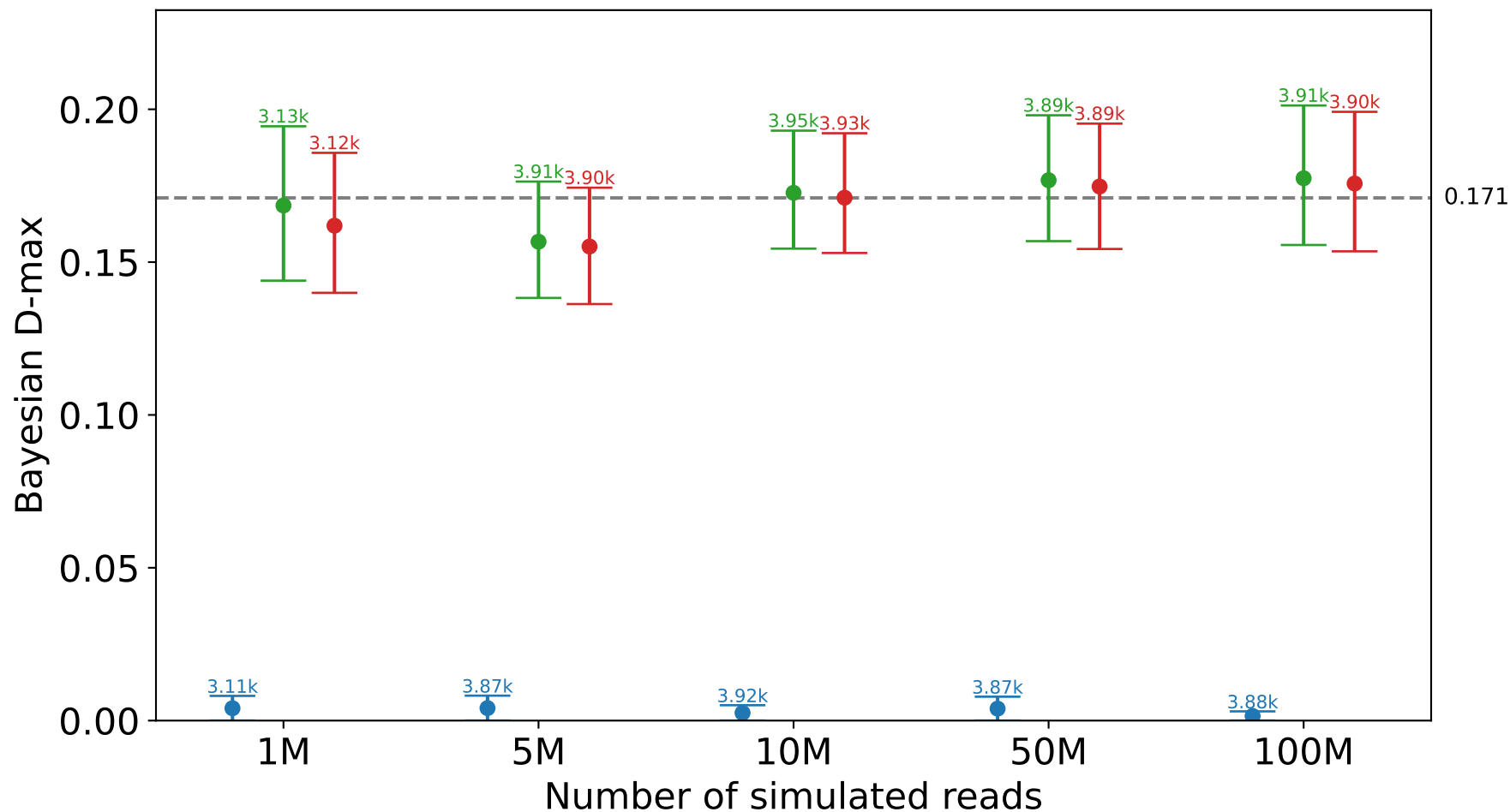
Only ancient: True

# Cave-22, Tax ID: 114979 s\_\_Clostridium thermobutyricum



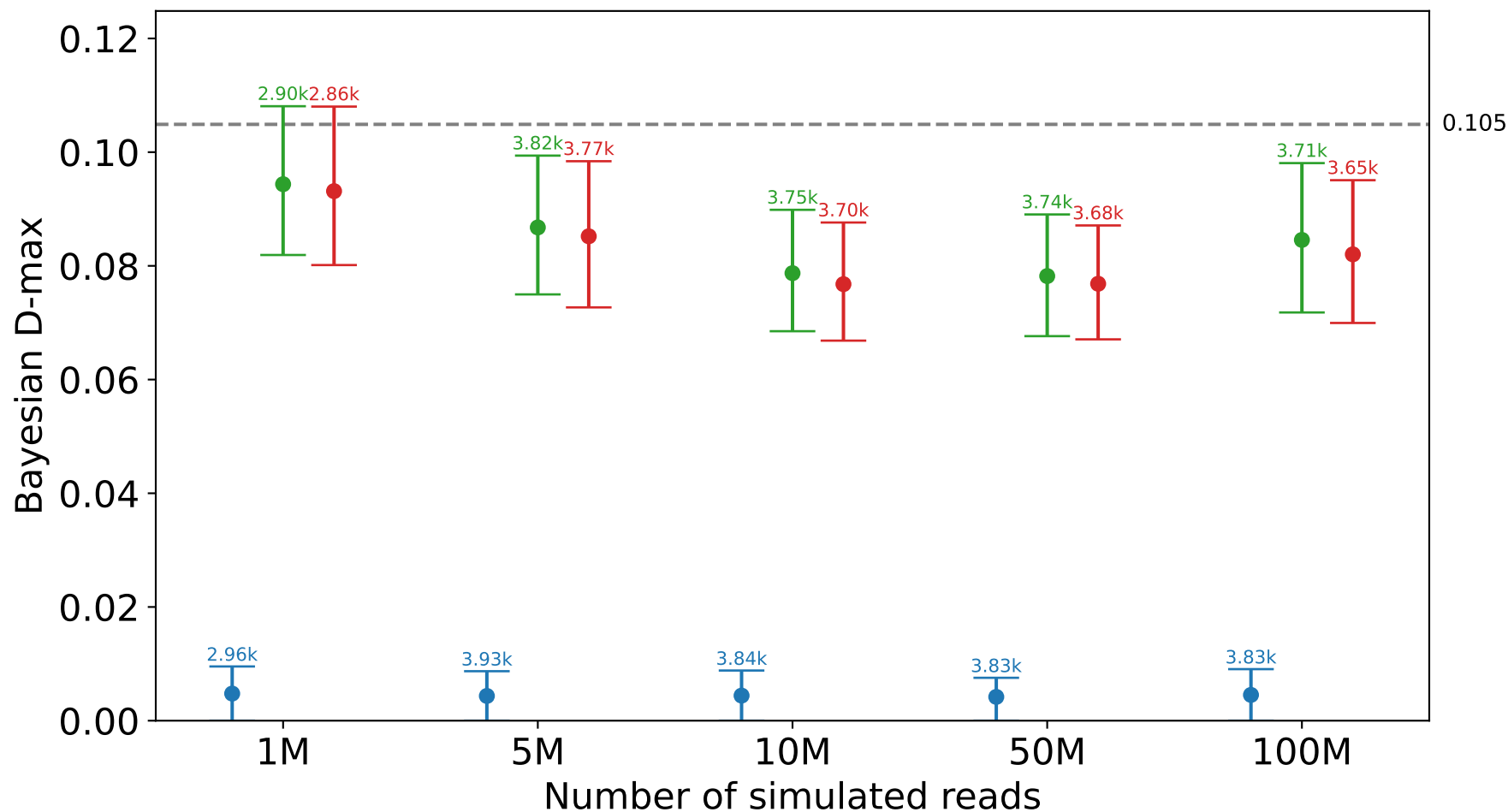
Only ancient: True

# Cave-22, Tax ID: 130301 s\_\_Paraclostridium tenue



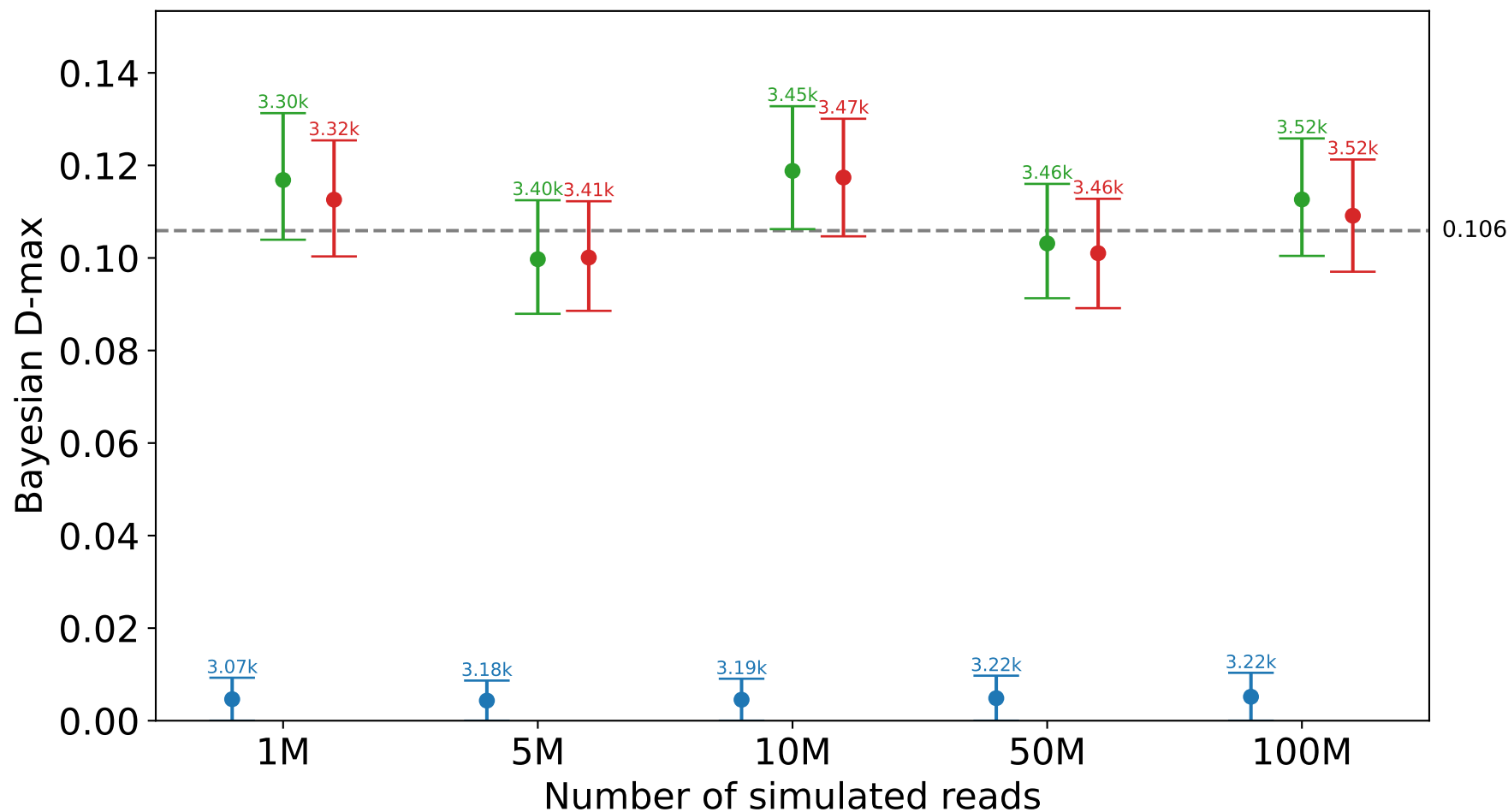
Only ancient: True

# Cave-22, Tax ID: 130695 s\_Halomonas\_C muralis



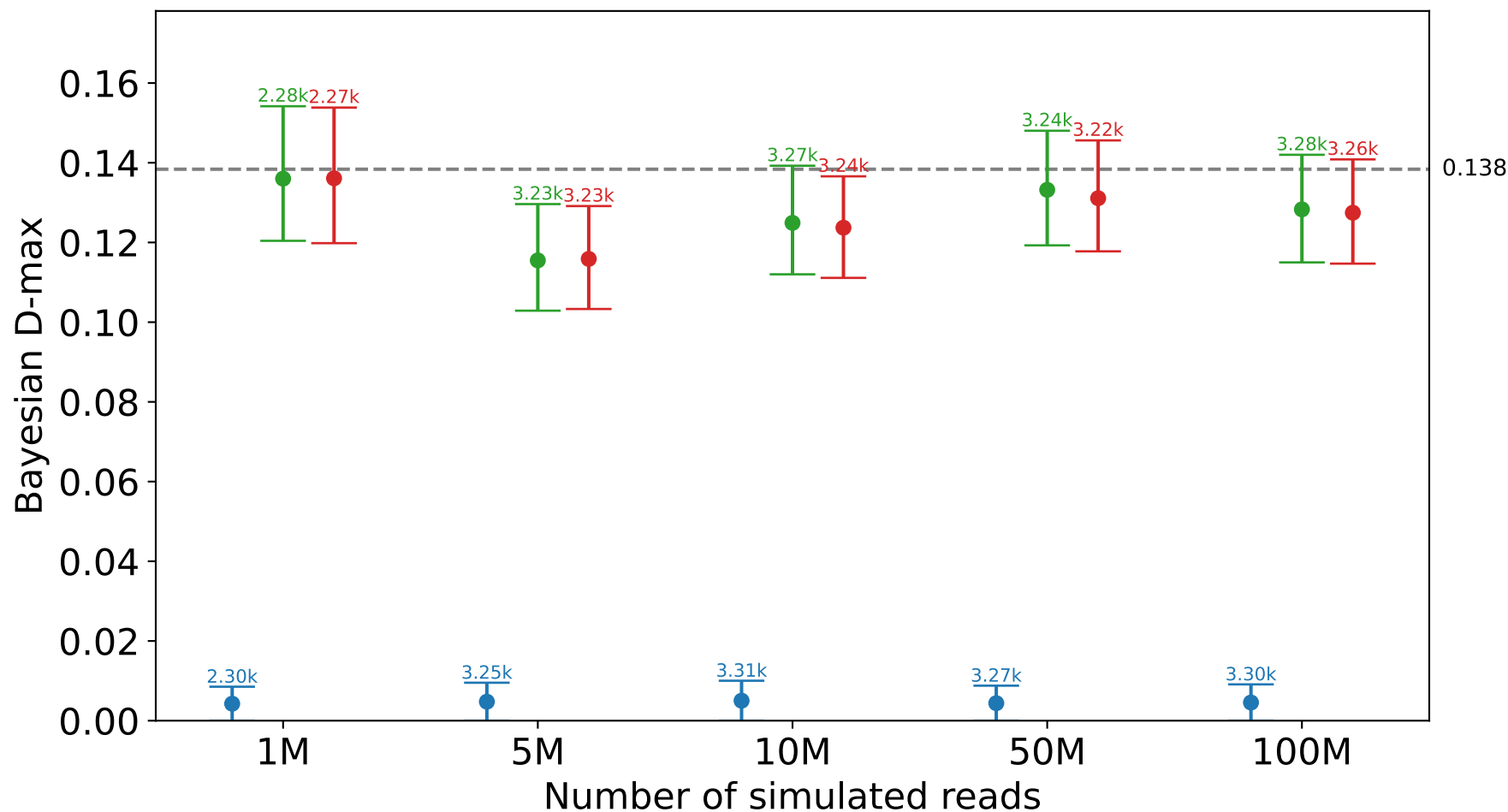
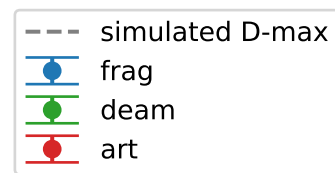
Only ancient: True

Cave-22, Tax ID: 97511  
s\_Palsa-1315 sp005116885



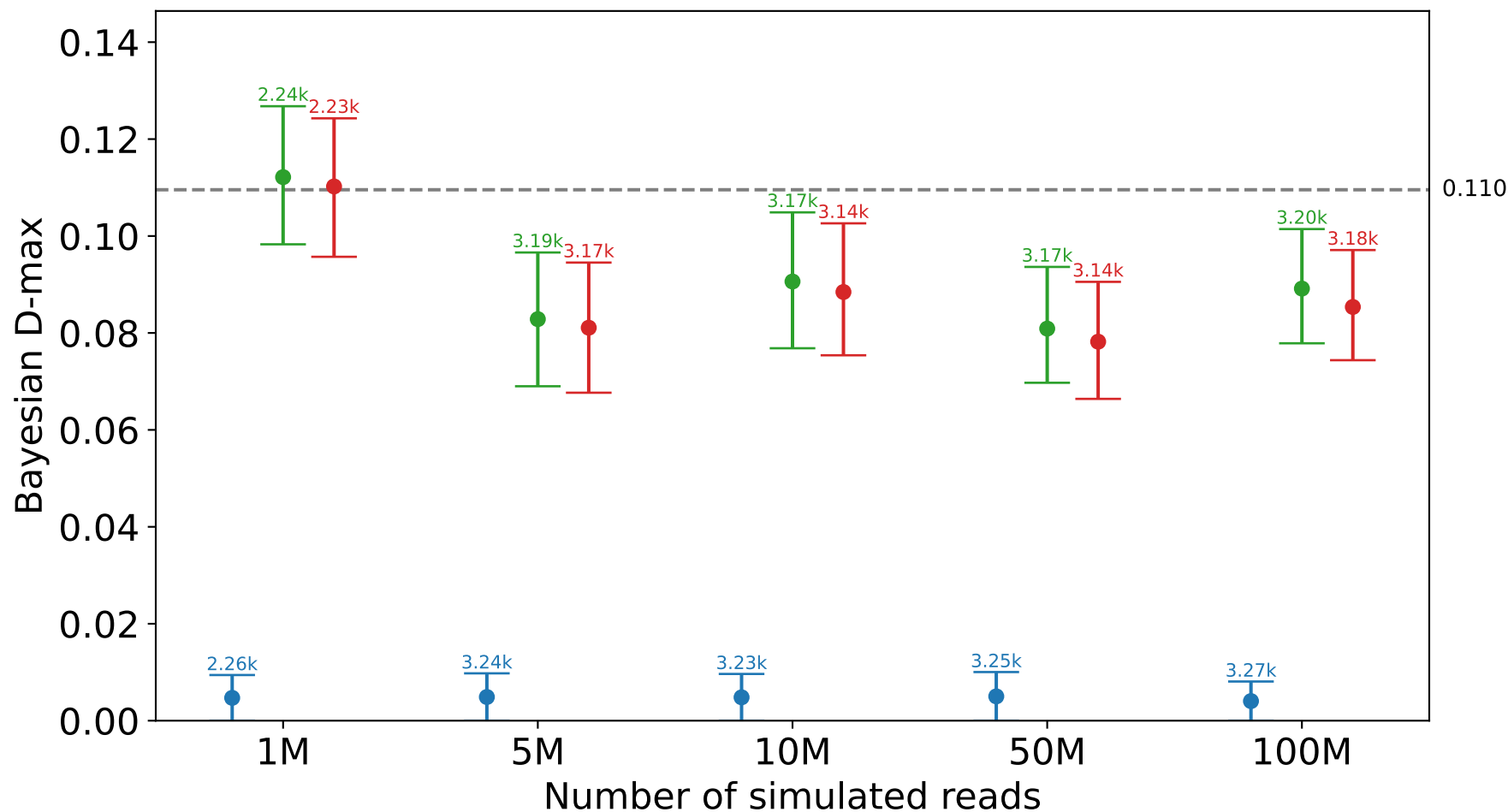
Only ancient: True

Cave-22, Tax ID: 80222  
s\_Paeniglutamicibacter sp002224445



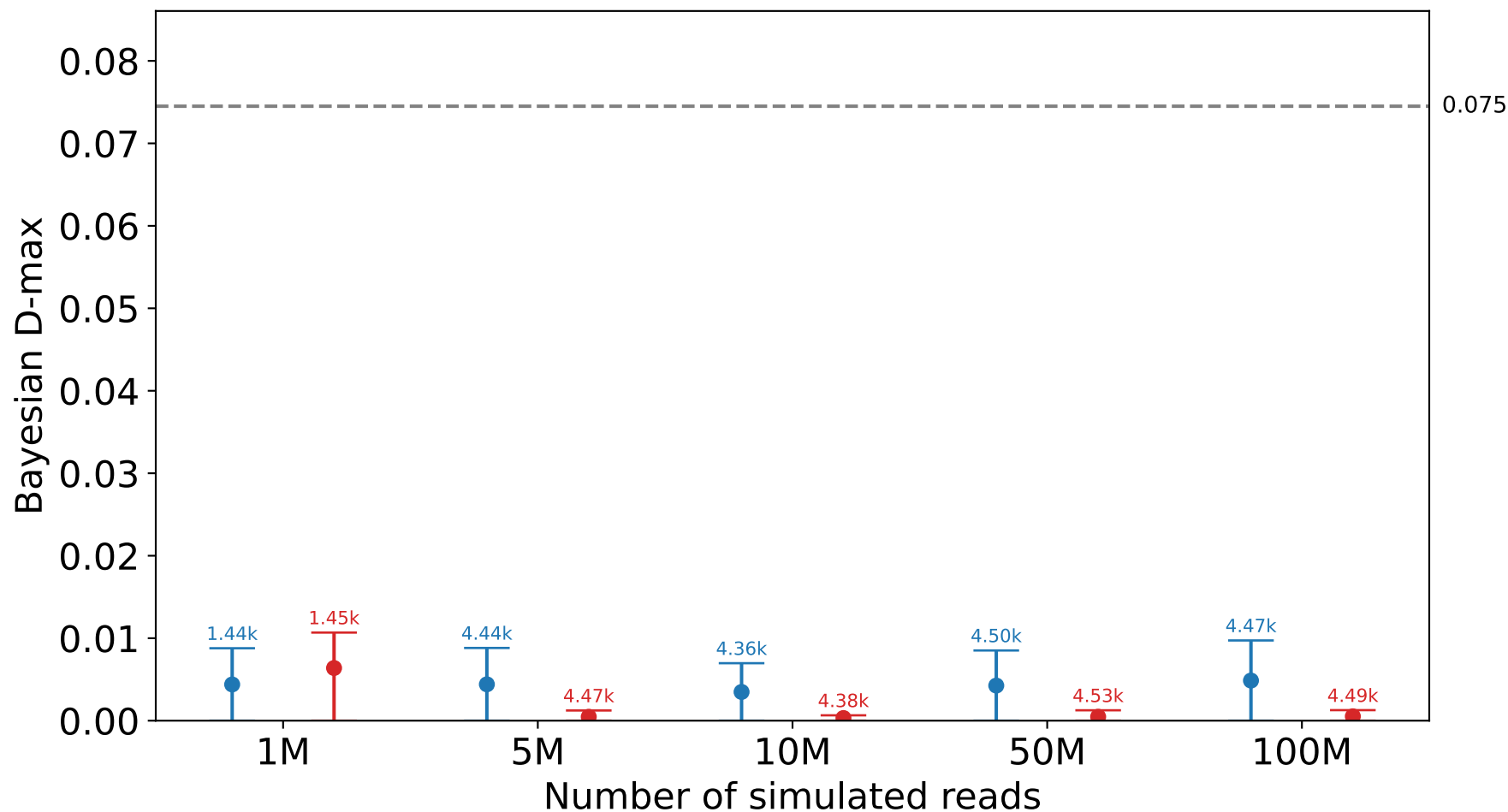
Only ancient: True

Cave-22, Tax ID: 116167  
s\_\_Arthrobacter\_D sp000520595



Only ancient: None

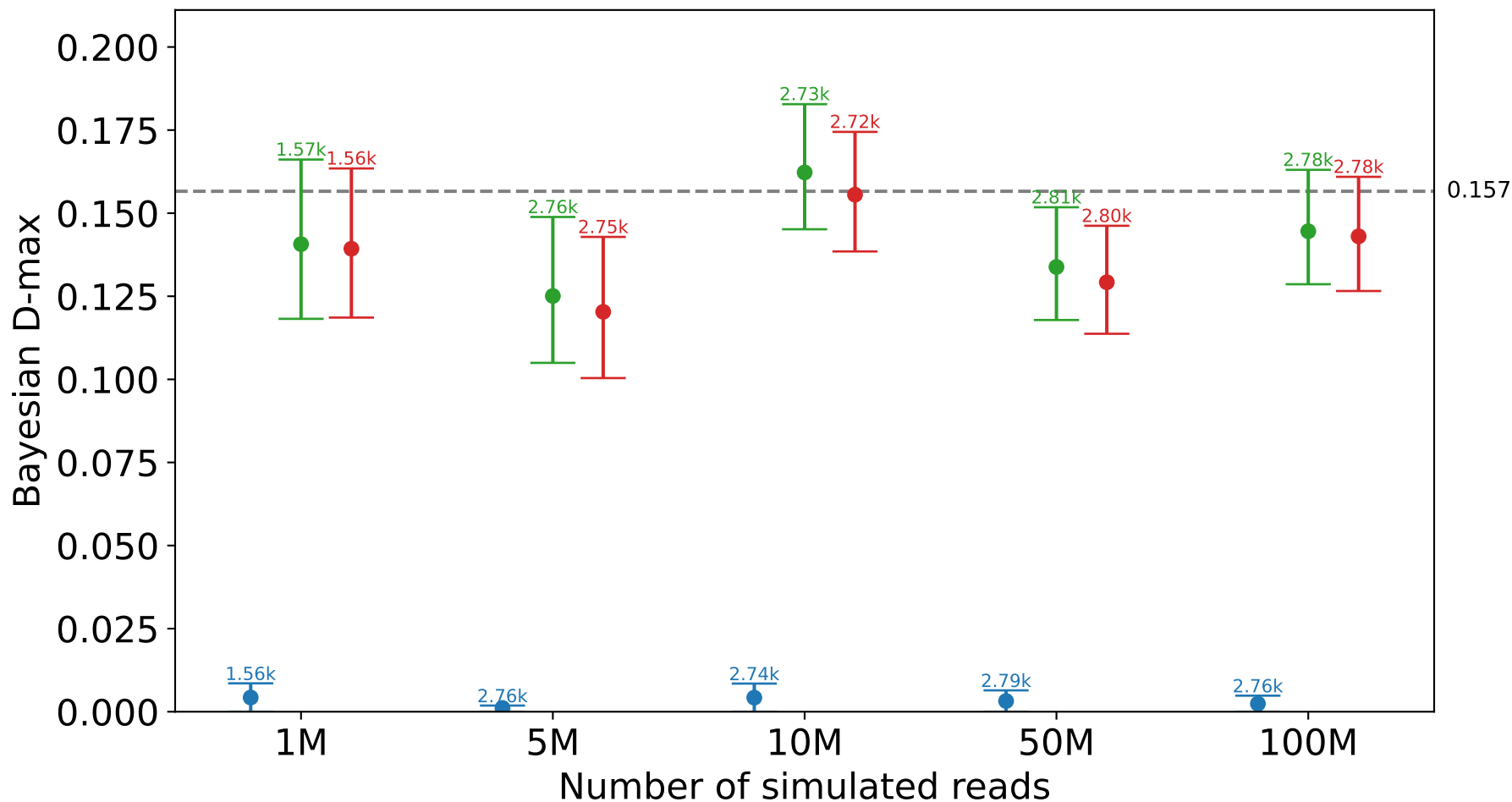
# Cave-22, Tax ID: 130078 s\_Kribbella italica





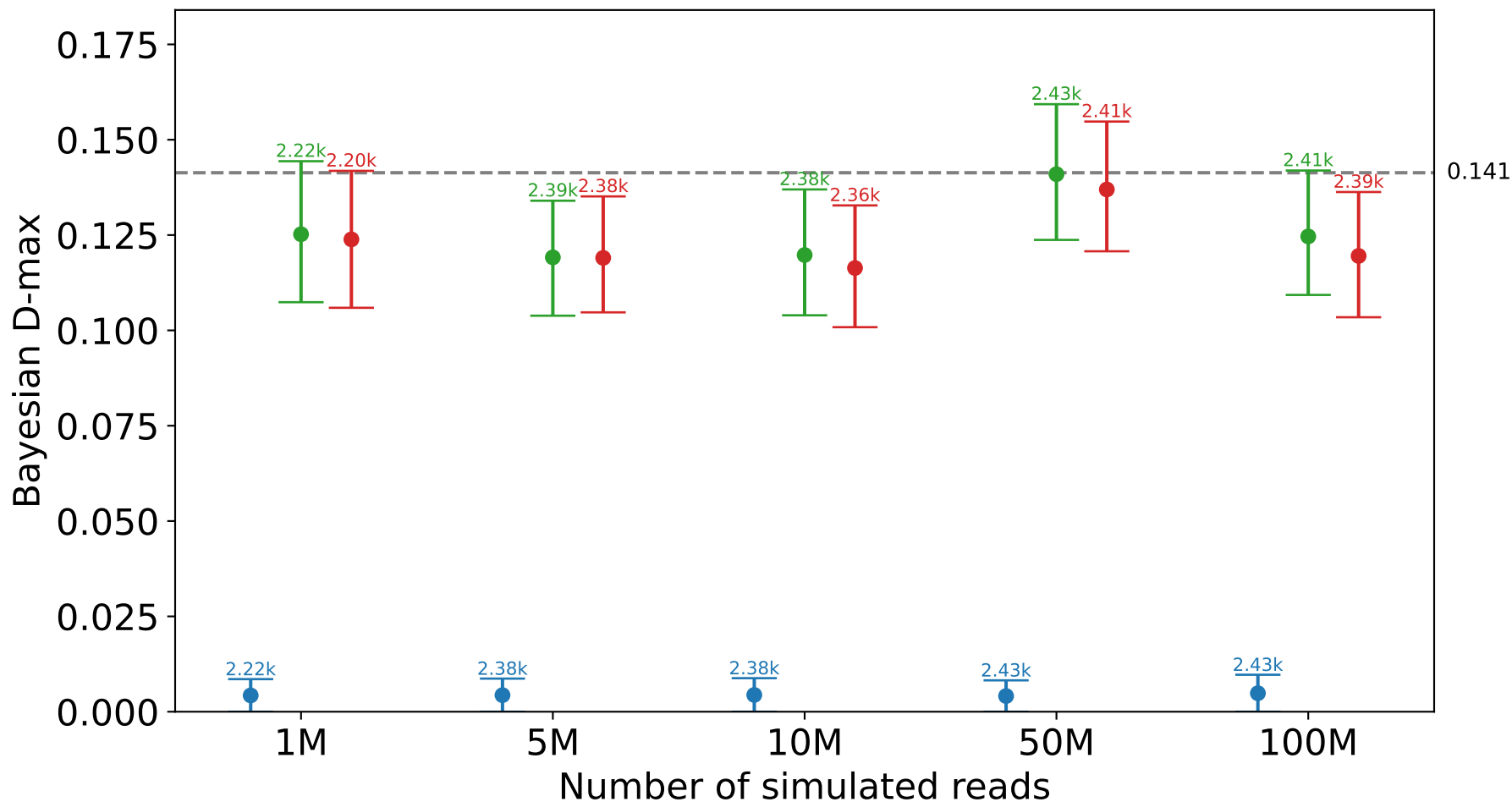
Only ancient: True

Cave-22, Tax ID: 127309  
s\_\_Sporosarcina sp008369195



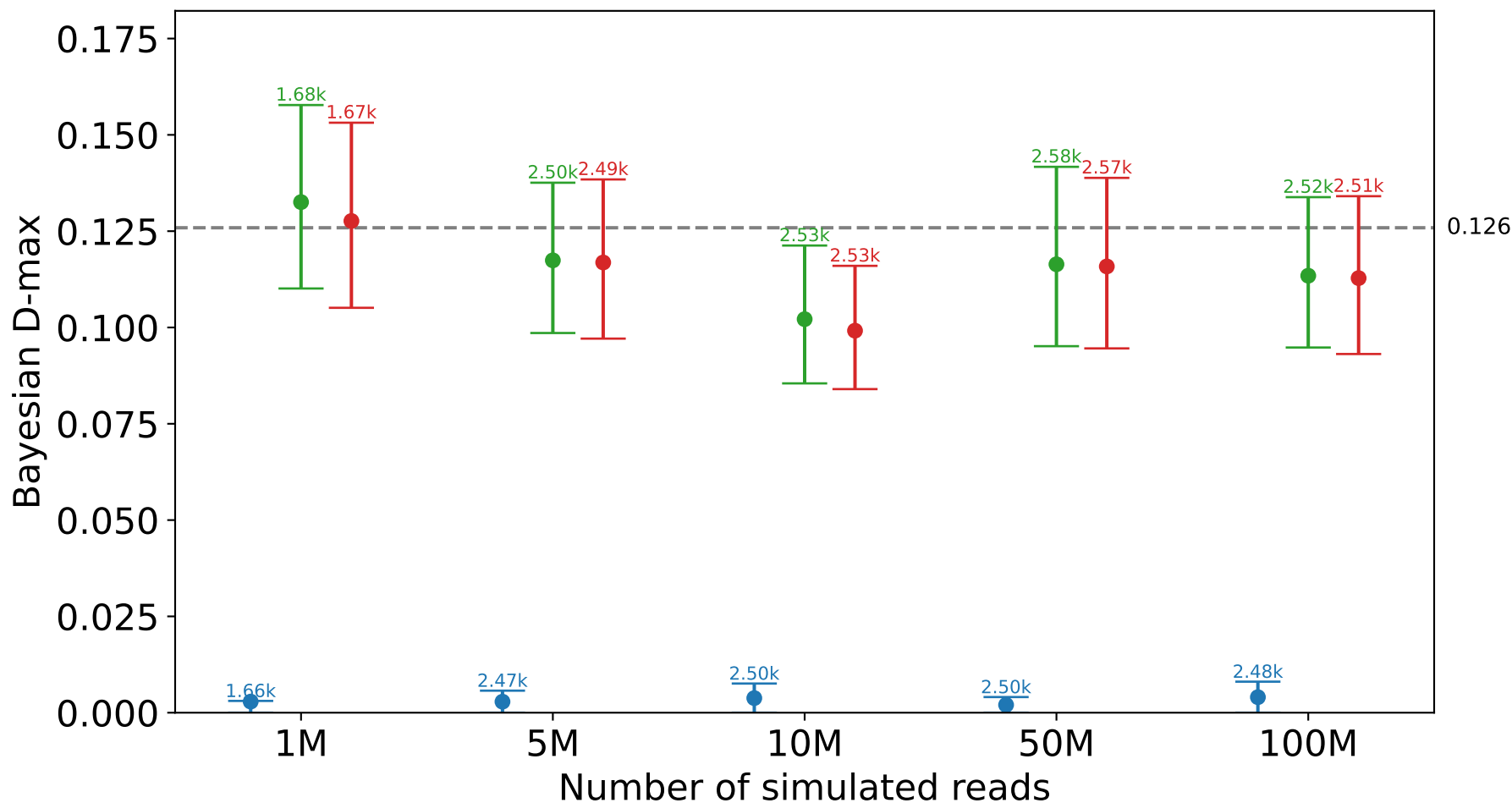
Only ancient: True

# Cave-22, Tax ID: 123520 s\_Herminiimonas fonticola



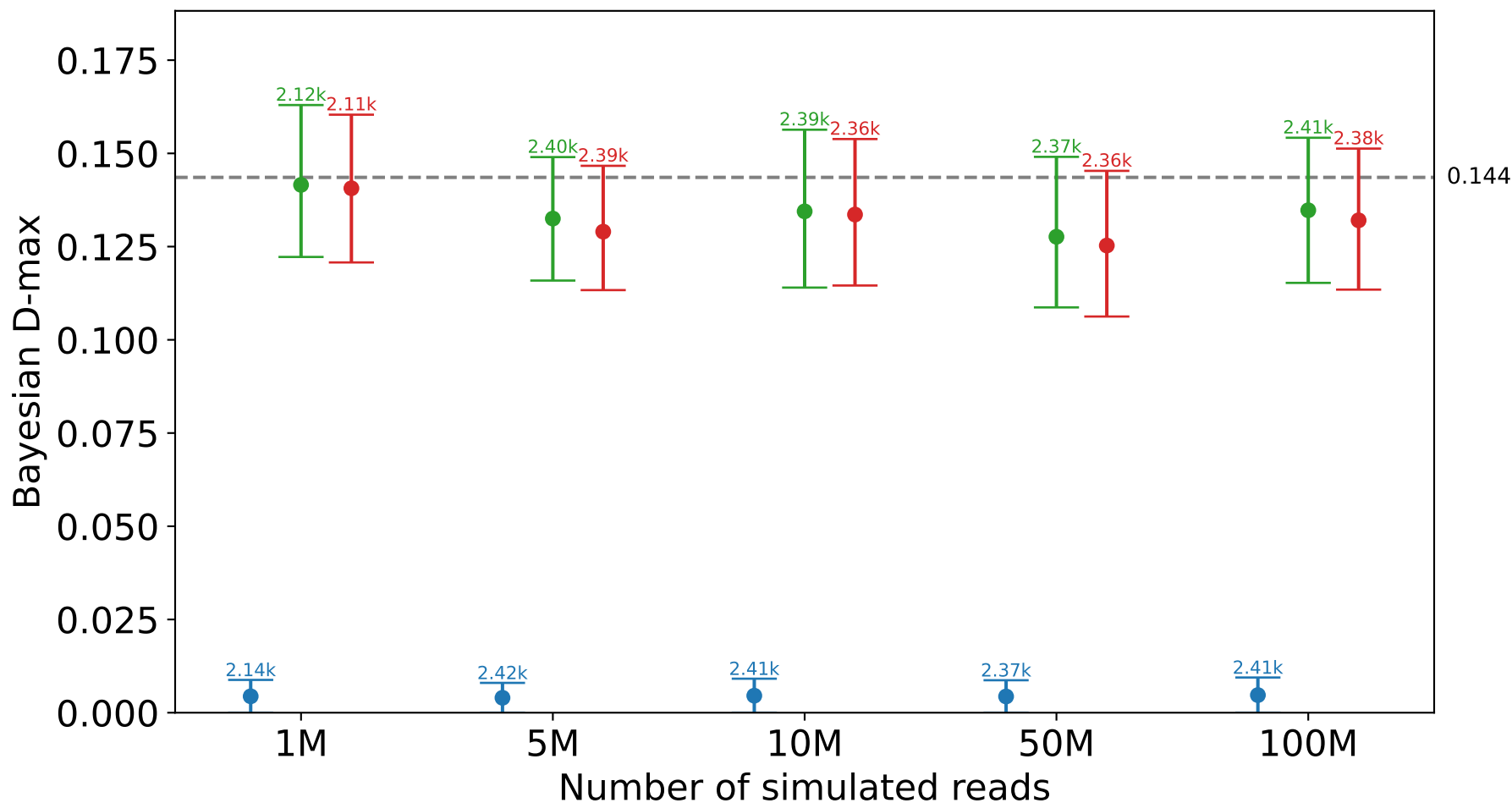
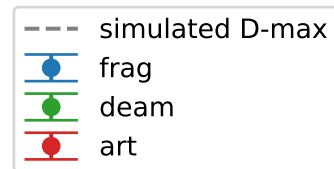
Only ancient: True

# Cave-22, Tax ID: 130261 s\_\_Sporosarcina sp014282005



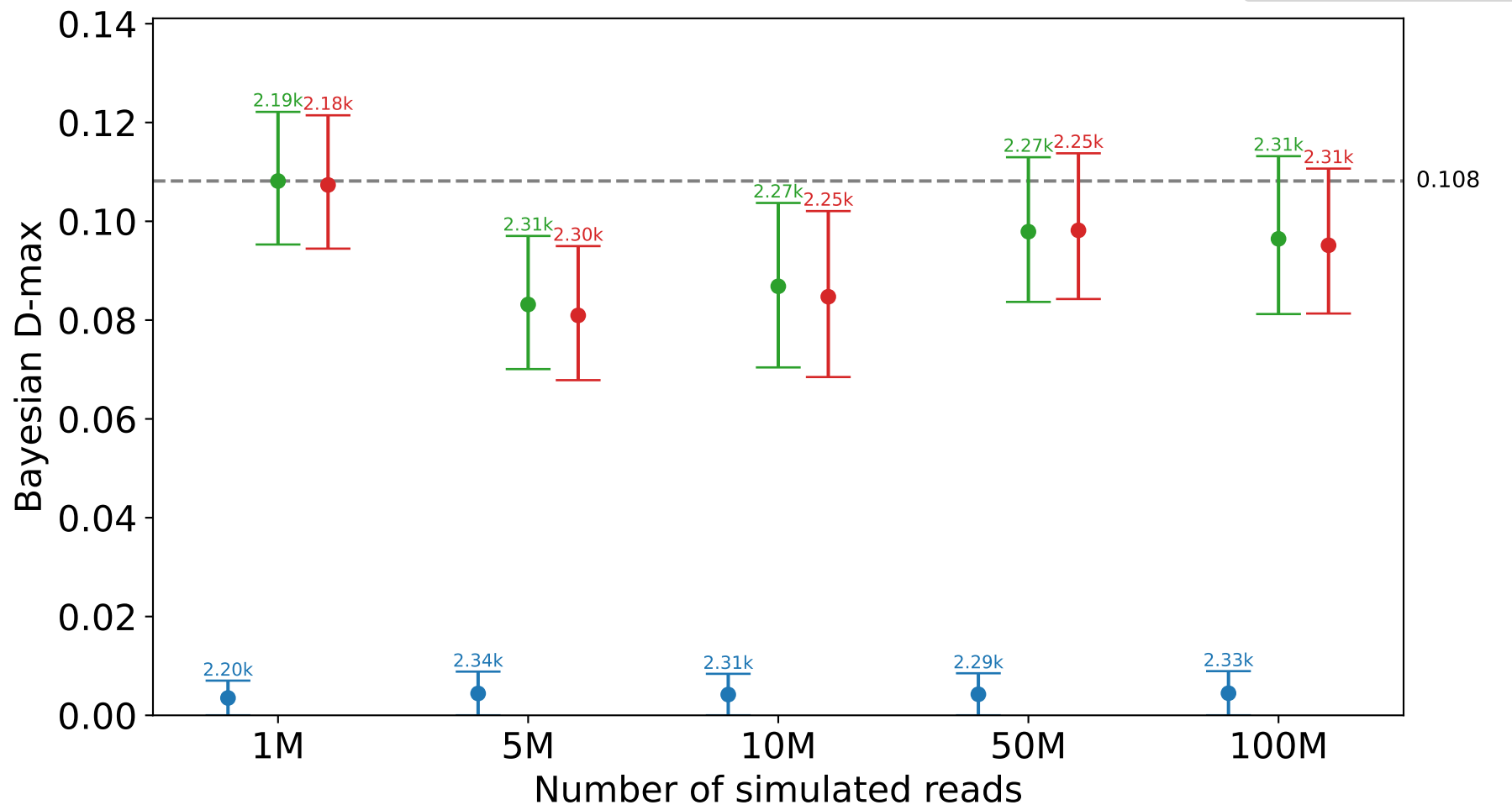
Only ancient: True

Cave-22, Tax ID: 76606  
s\_Herminiimonas sp001464355



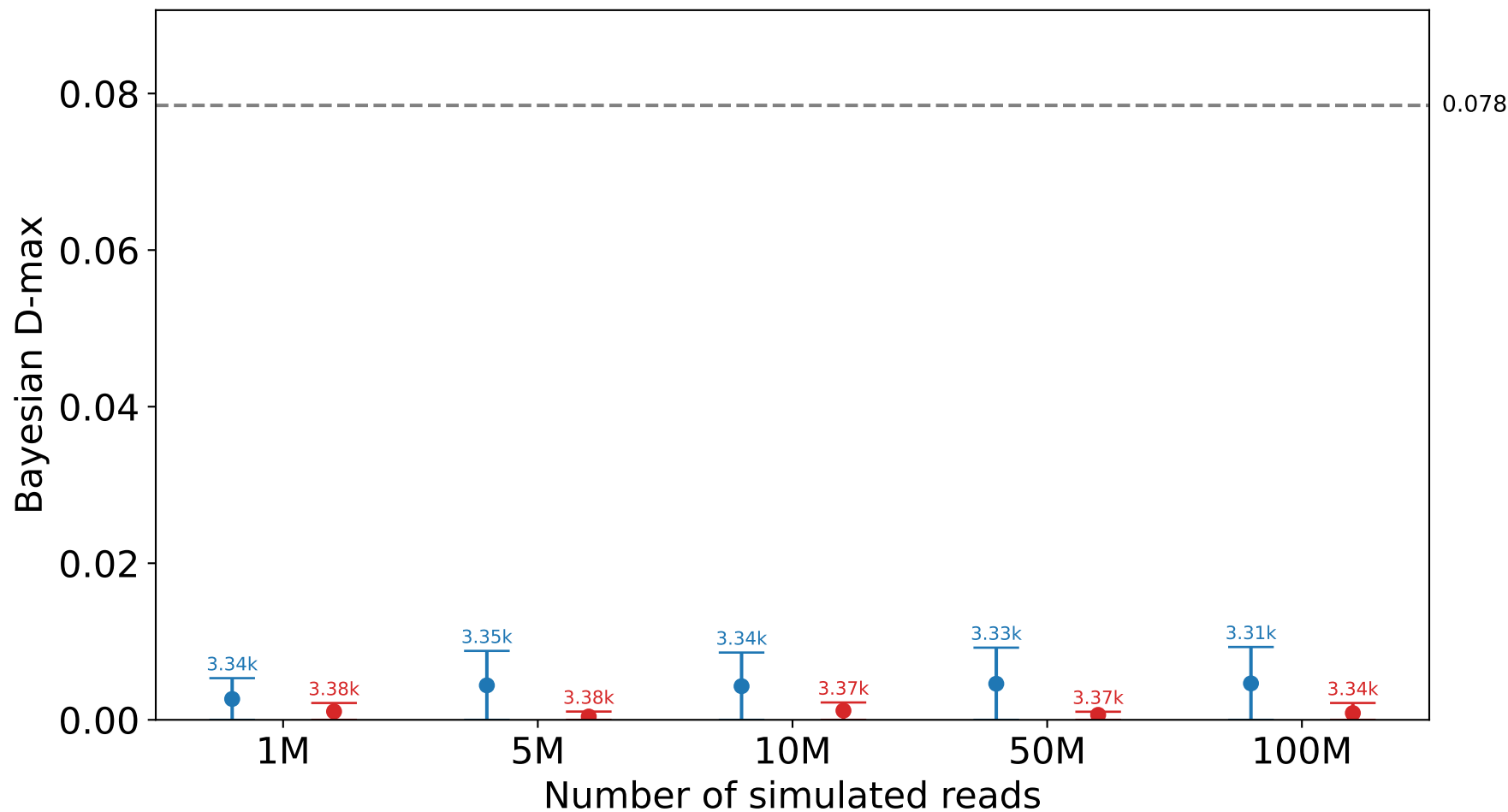
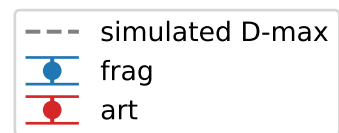
Only ancient: True

Cave-22, Tax ID: 116164  
s\_\_Arthrobacter\_D sp000520535



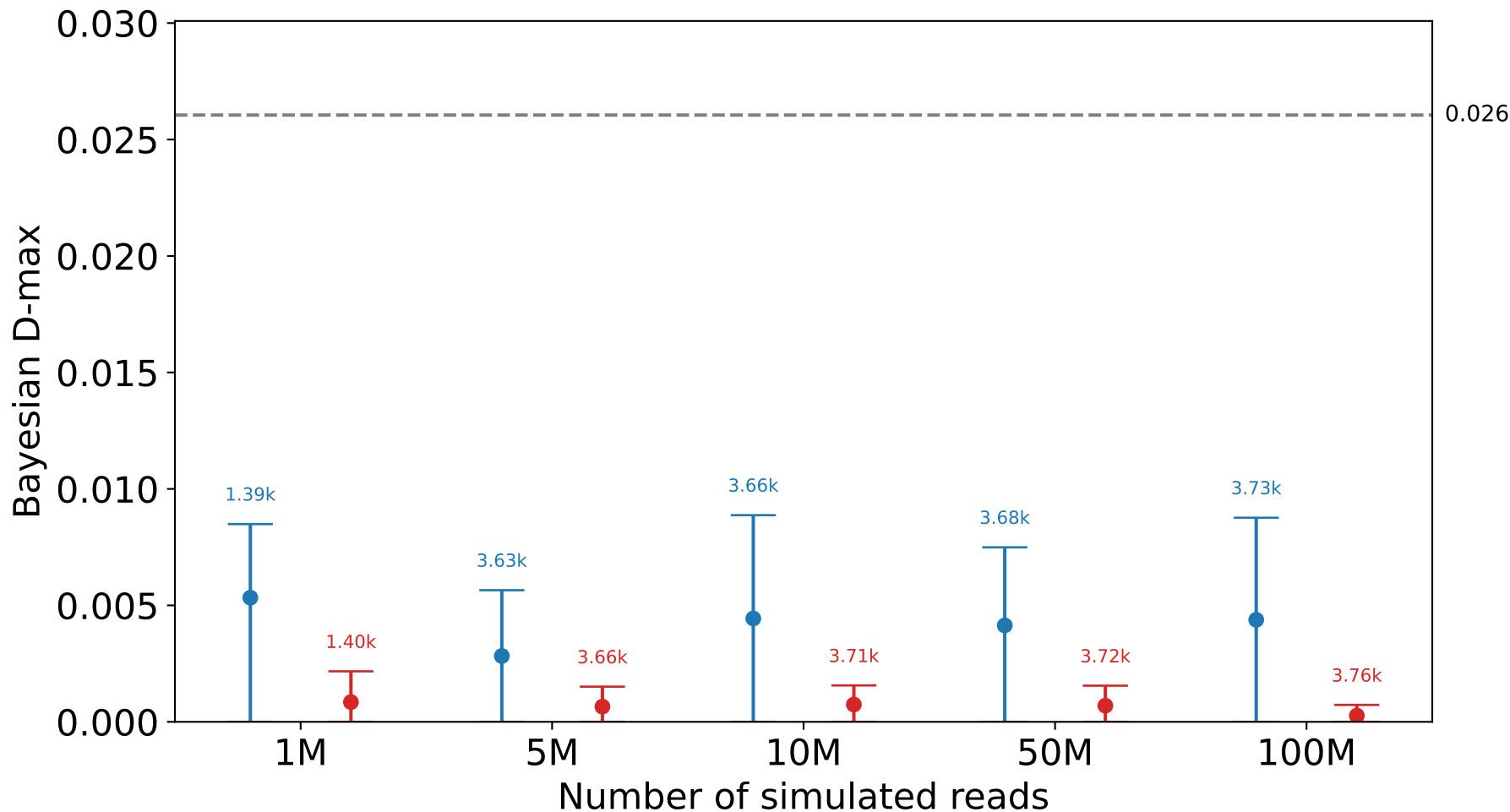
Only ancient: None

Cave-22, Tax ID: 97793  
s\_Palsa-1315 sp005877535



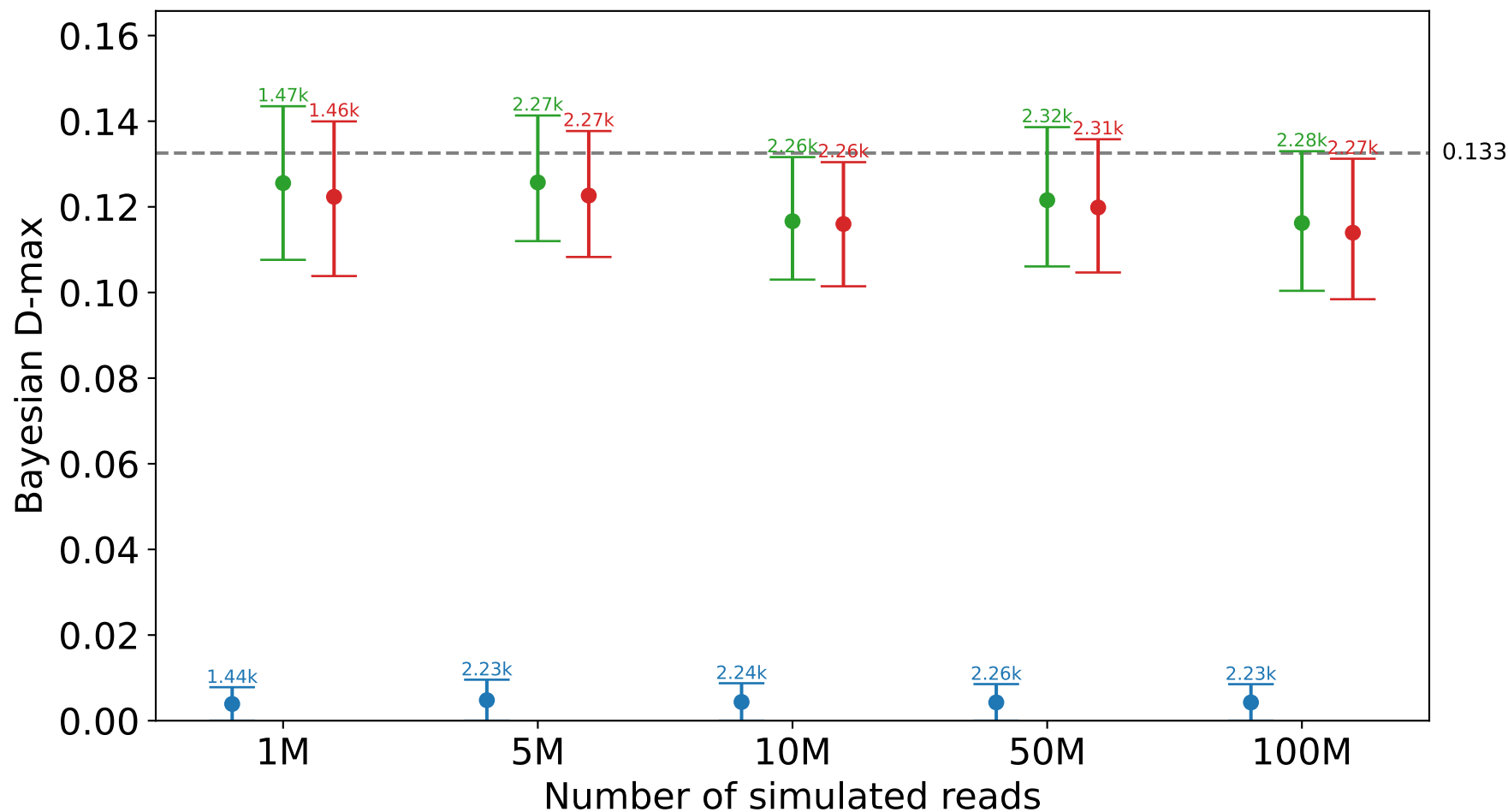
Only ancient: None

# Cave-22, Tax ID: 130131 s\_\_Streptomyces finlayi\_A



Only ancient: True

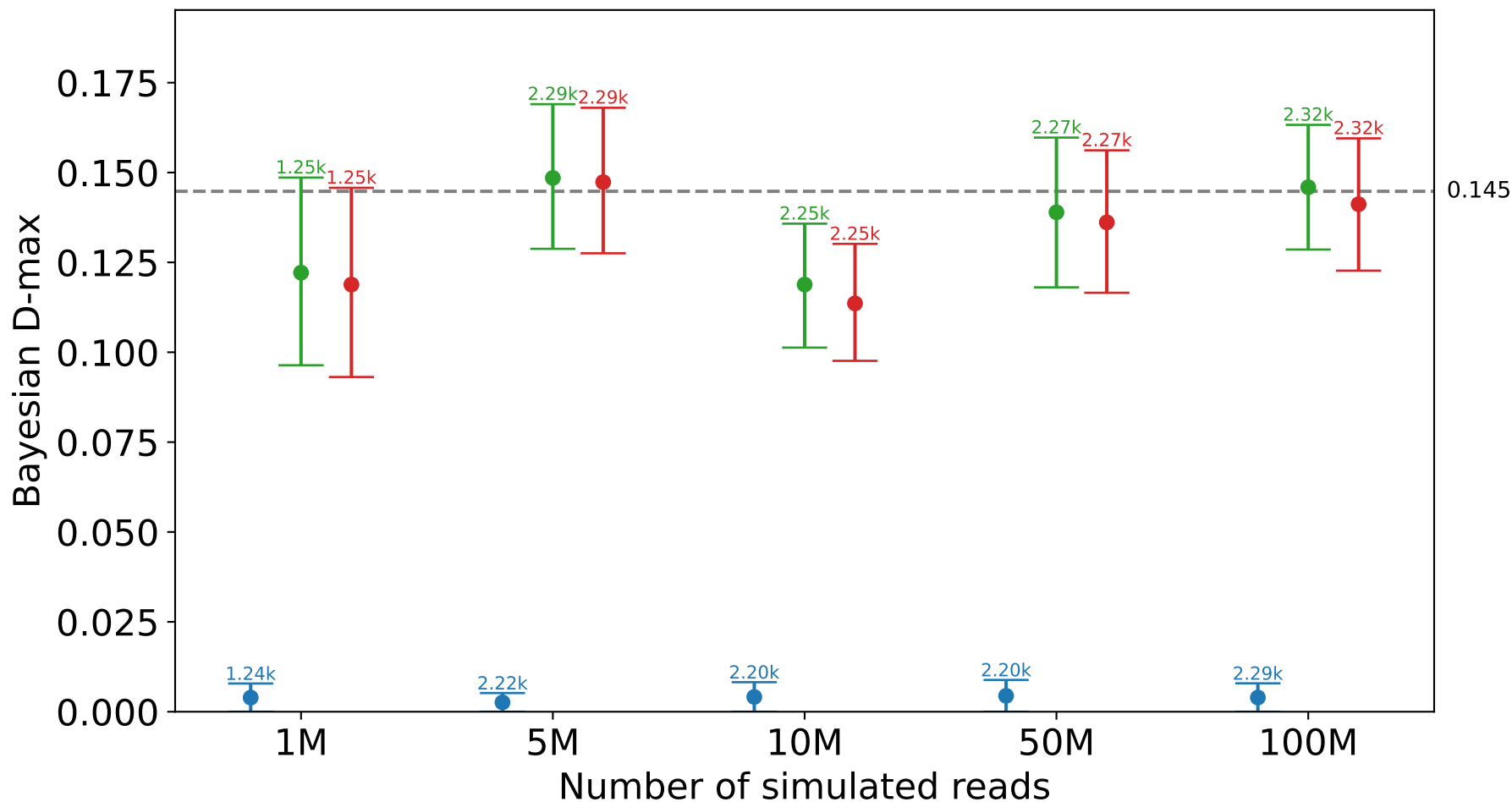
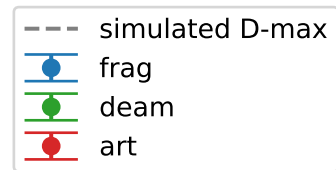
Cave-22, Tax ID: 131640  
s\_\_Brevibacterium sp900169365





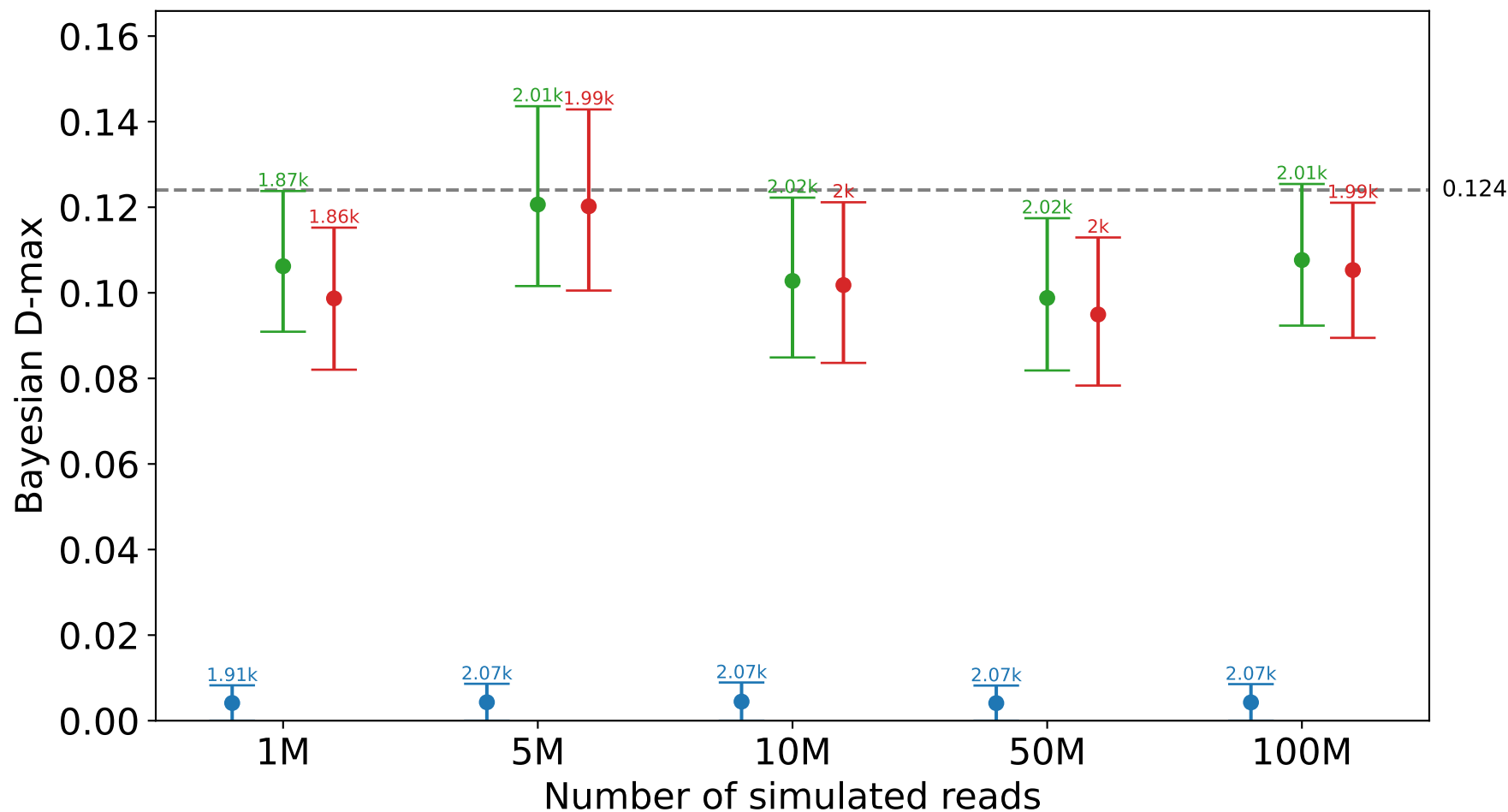
Only ancient: True

Cave-22, Tax ID: 122722  
s\_Aliterella sp003003885



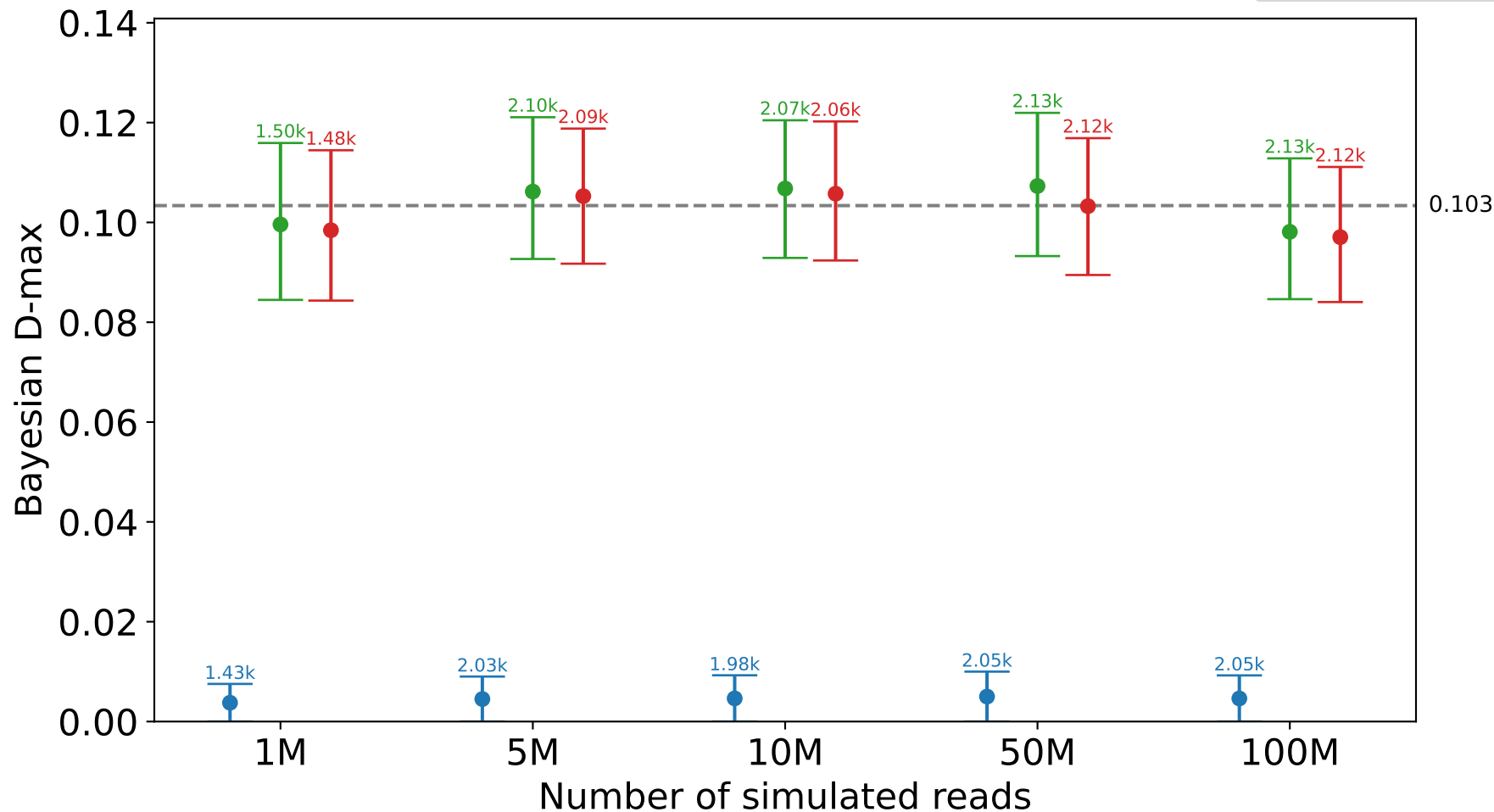
Only ancient: True

# Cave-22, Tax ID: 104111 s\_\_Nitrospira\_A sp013696305



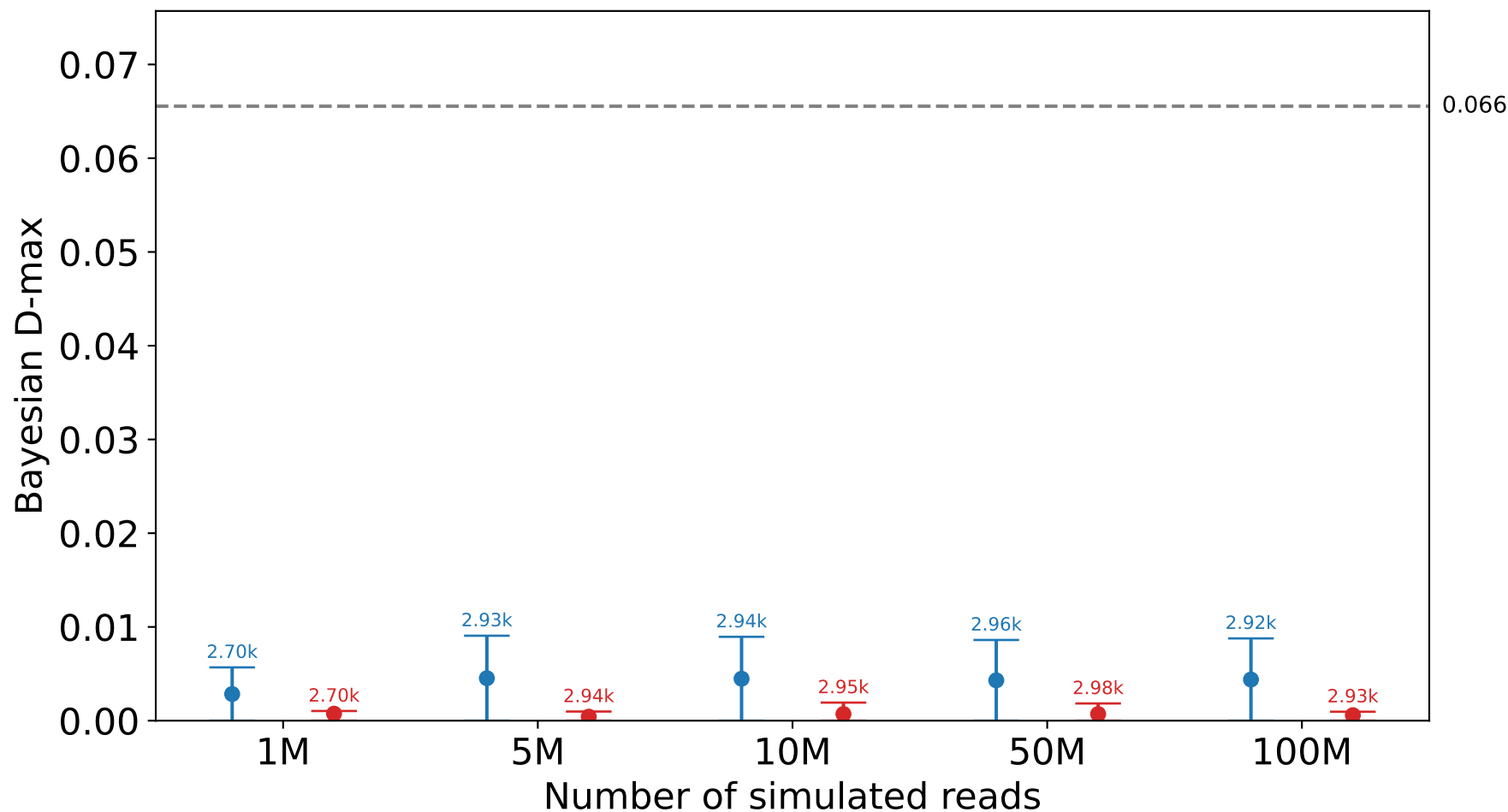
Only ancient: True

# Cave-22, Tax ID: 104293 s\_Methylibium sp013817345



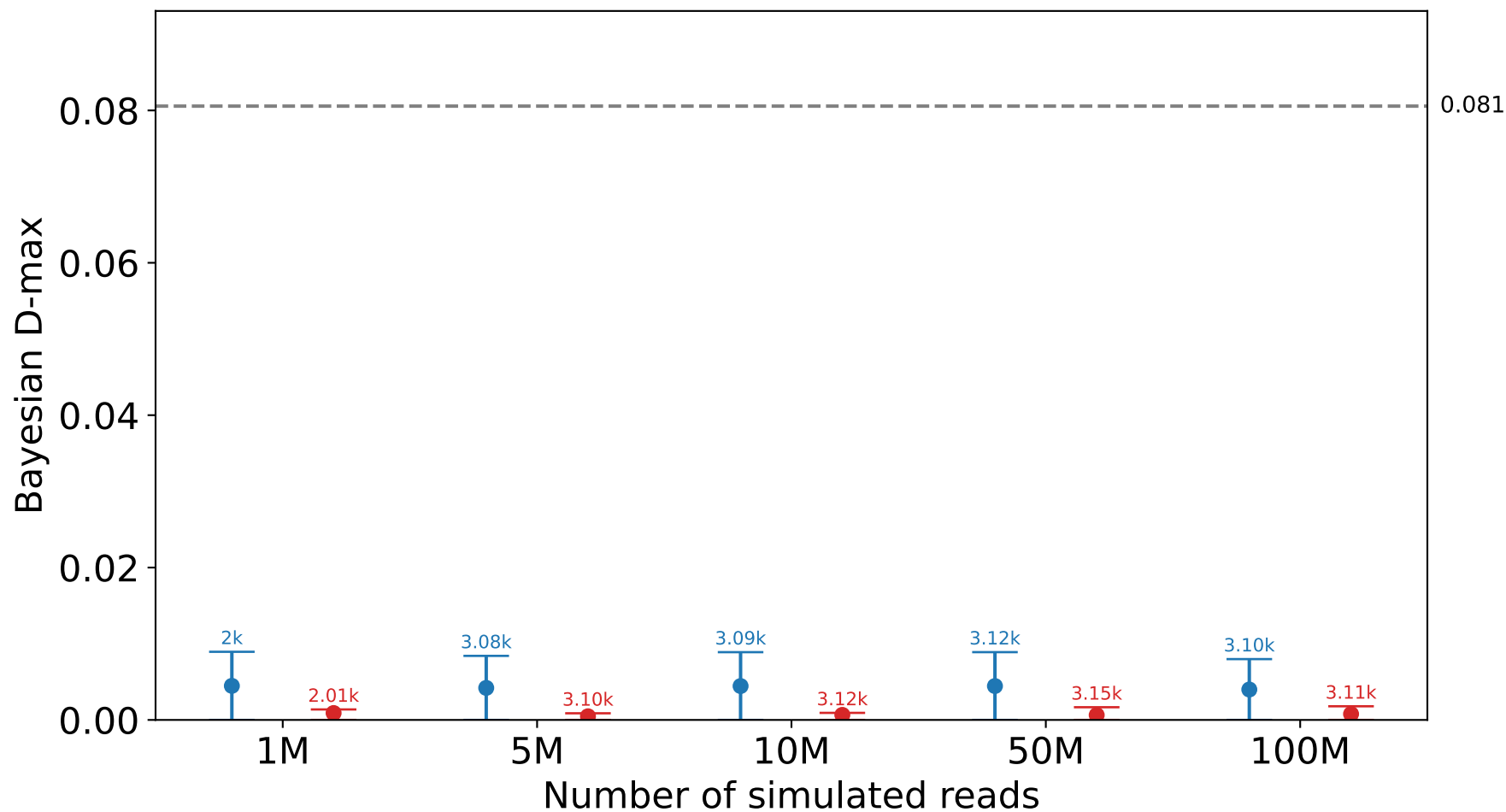
Only ancient: None

Cave-22, Tax ID: 127154  
s\_\_Aeromicrobium sp008039565



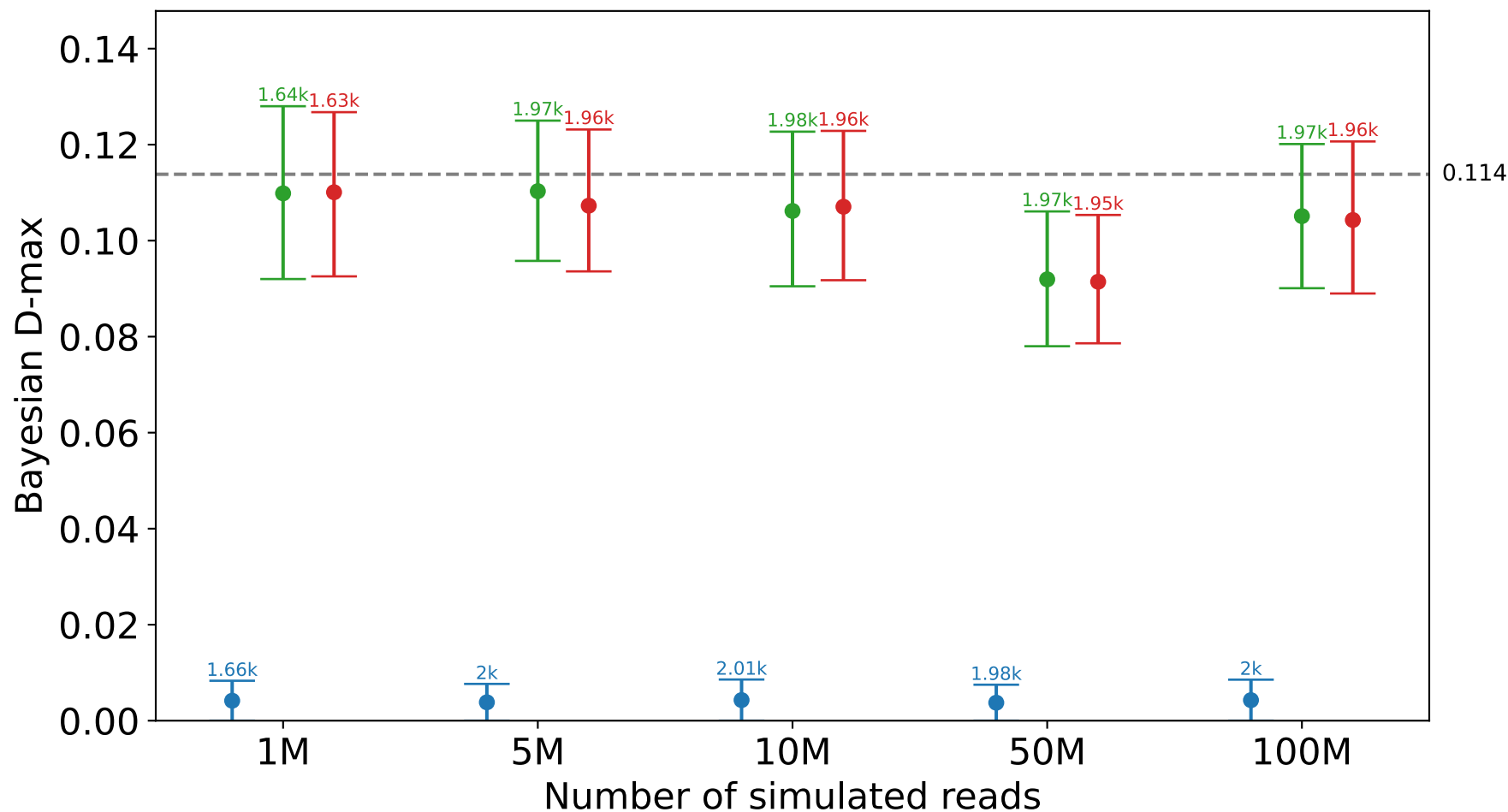
Only ancient: None

Cave-22, Tax ID: 125864  
s\_\_Blastococcus sp004570385



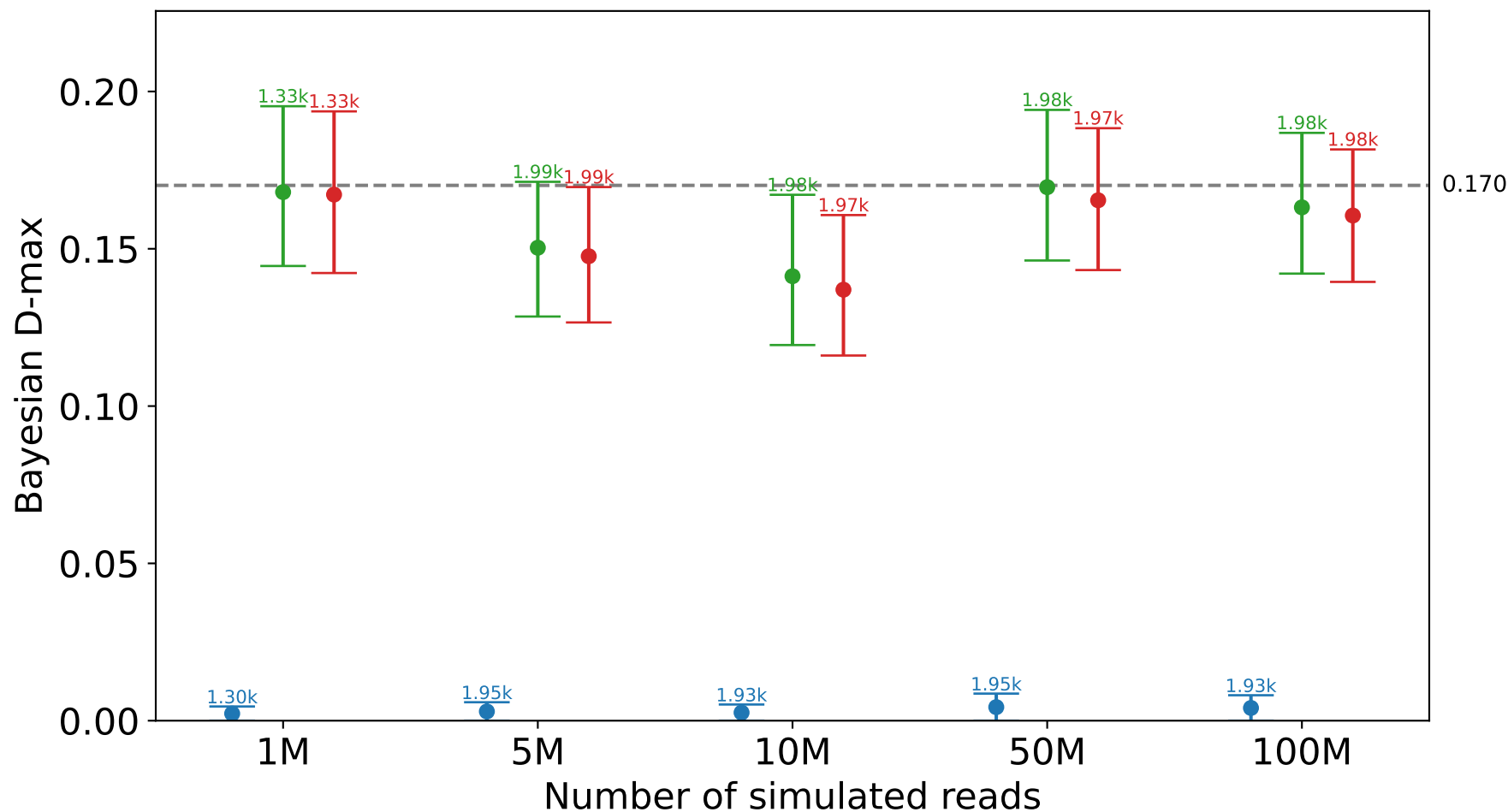
Only ancient: True

# Cave-22, Tax ID: 127516 s\_\_Arthrobacter\_B gandavensis



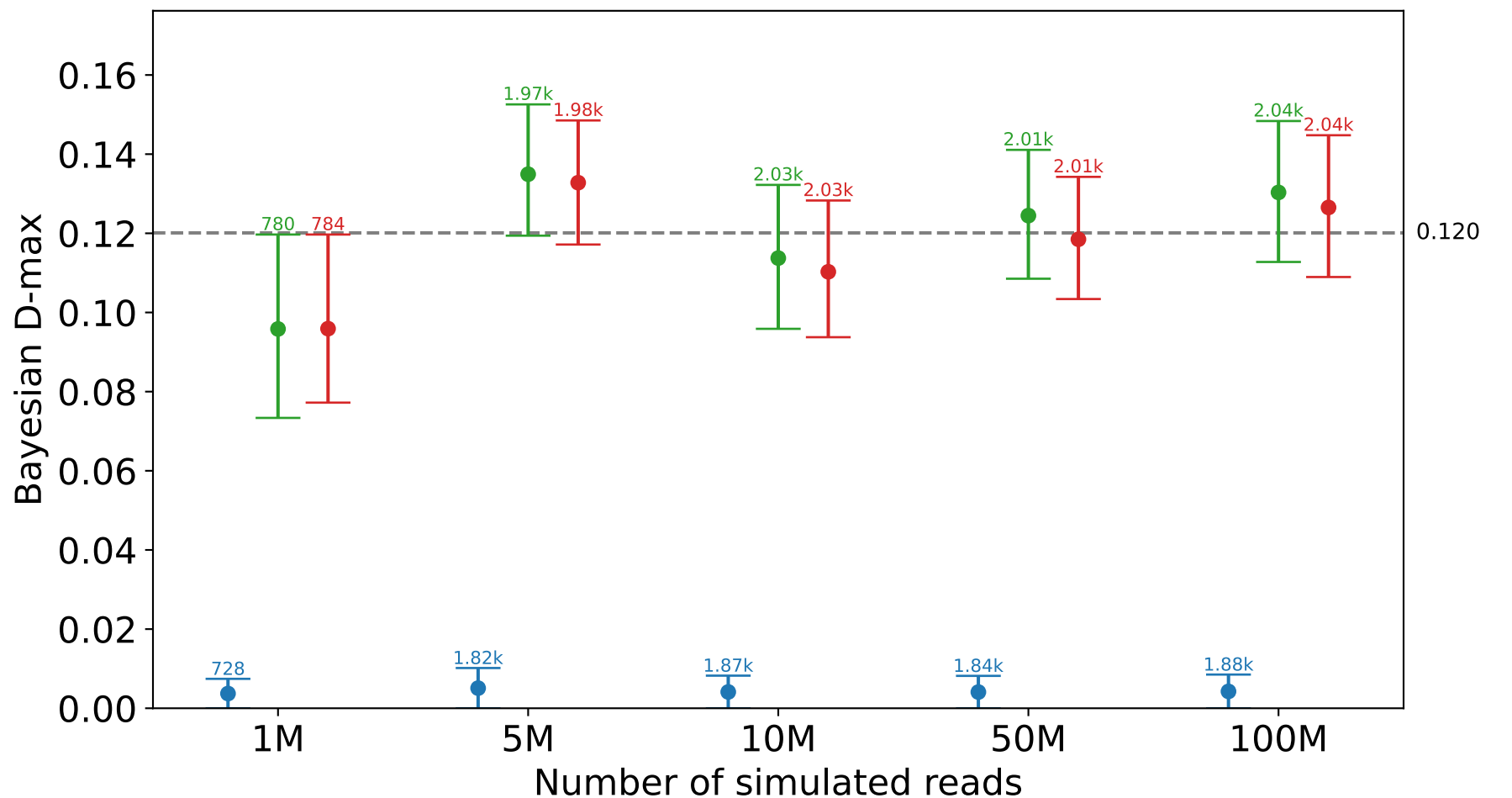
Only ancient: True

Cave-22, Tax ID: 98920  
s\_TH5896 sp009377575



Only ancient: True

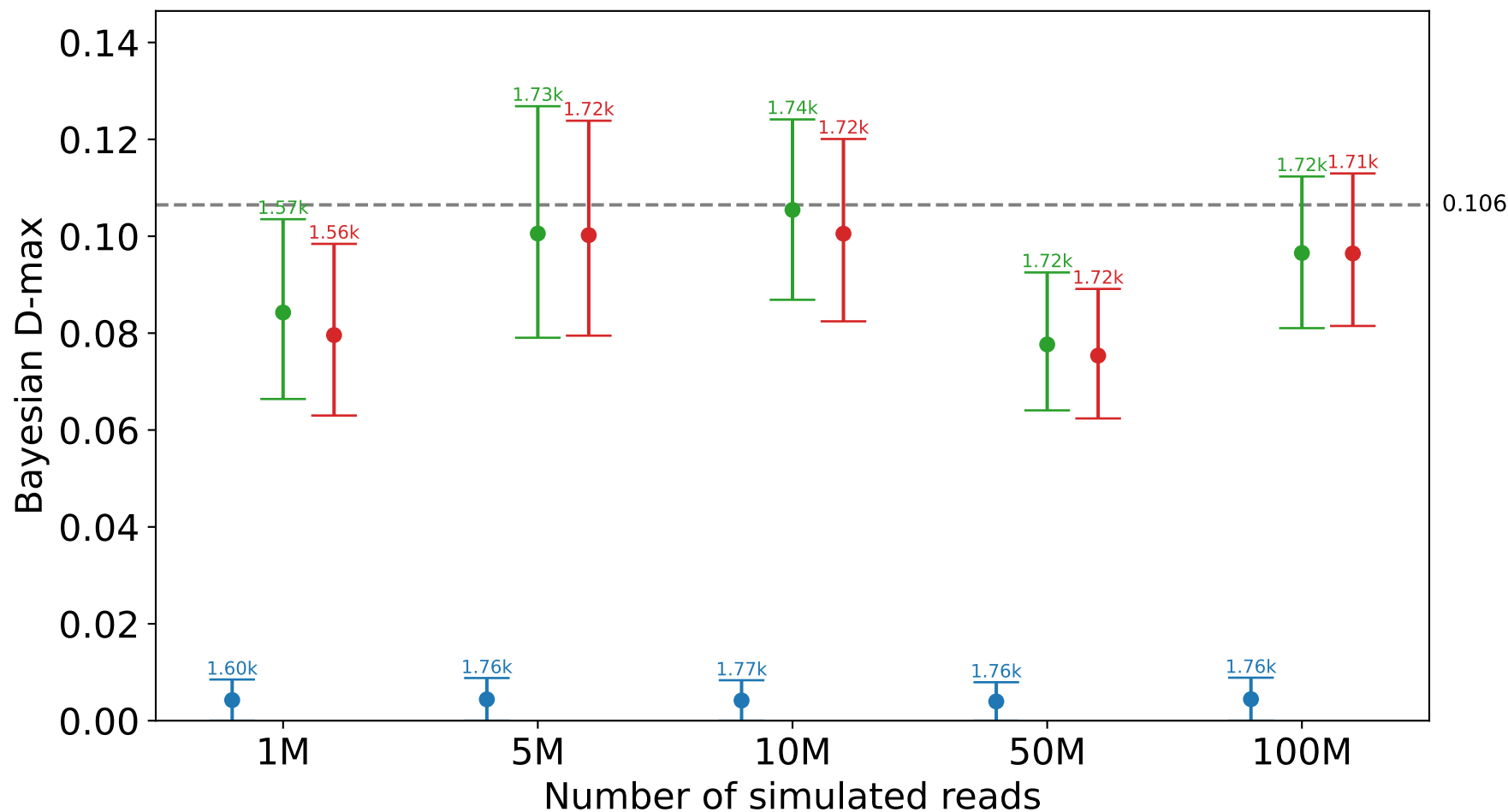
# Cave-22, Tax ID: 121693 s\_\_Rhodococcus erythropolis\_D





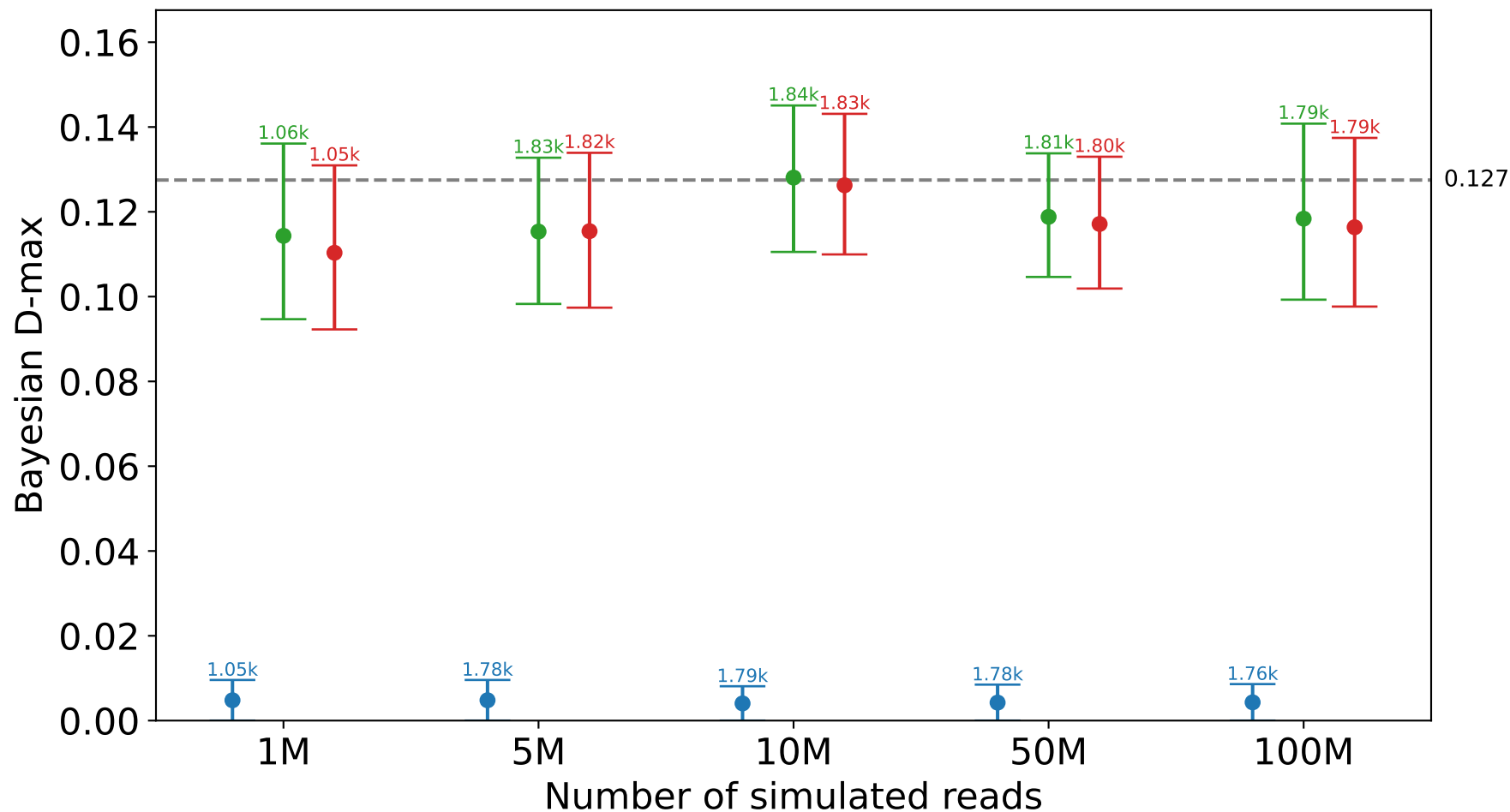
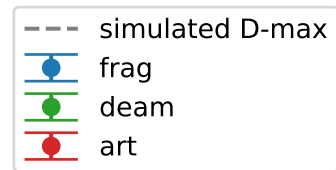
Only ancient: True

Cave-22, Tax ID: 118828  
s\_\_Arthrobacter\_D sp001428435



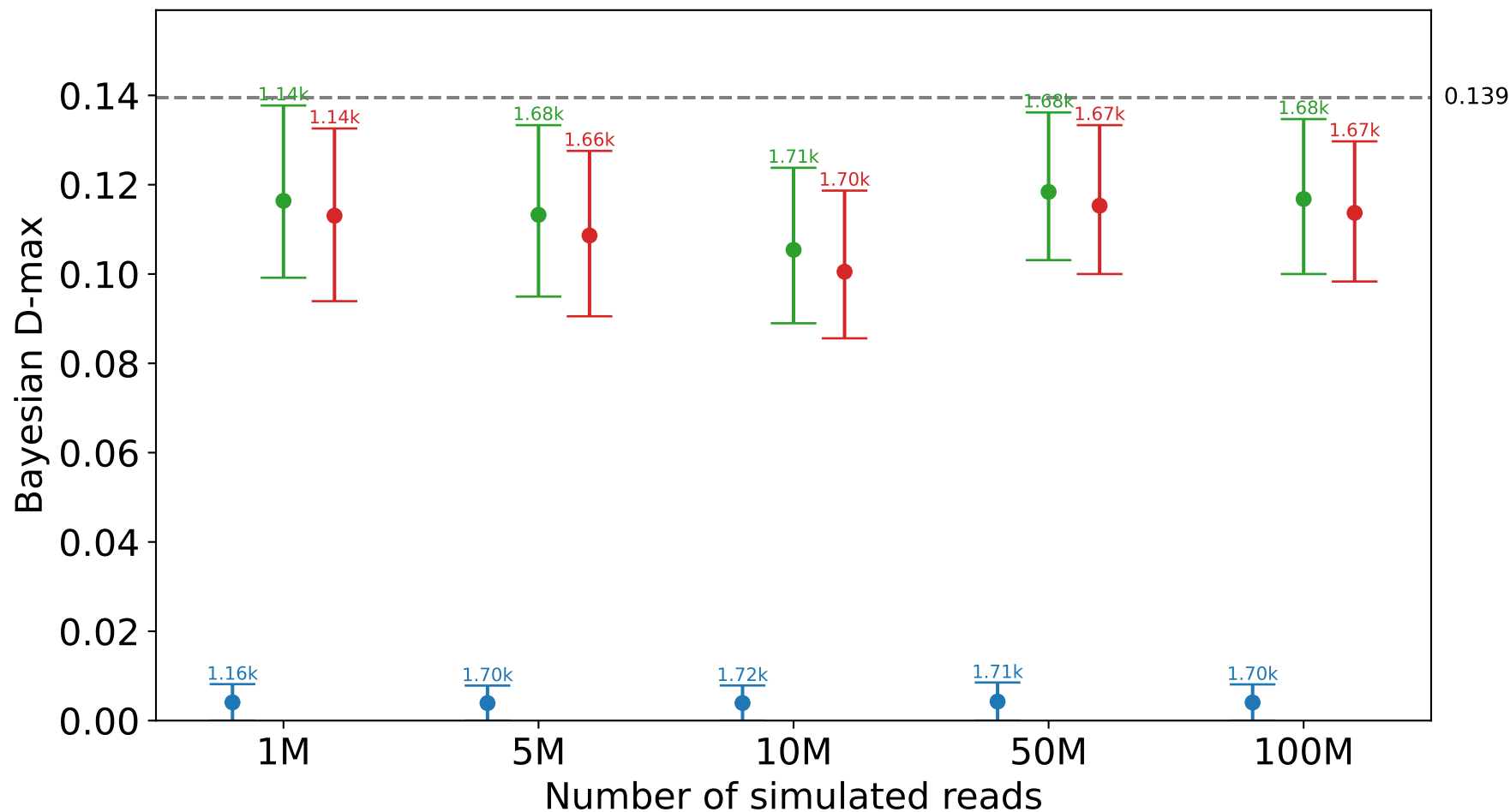
Only ancient: True

# Cave-22, Tax ID: 126768 s\_\_Brevibacterium aurantiacum\_A



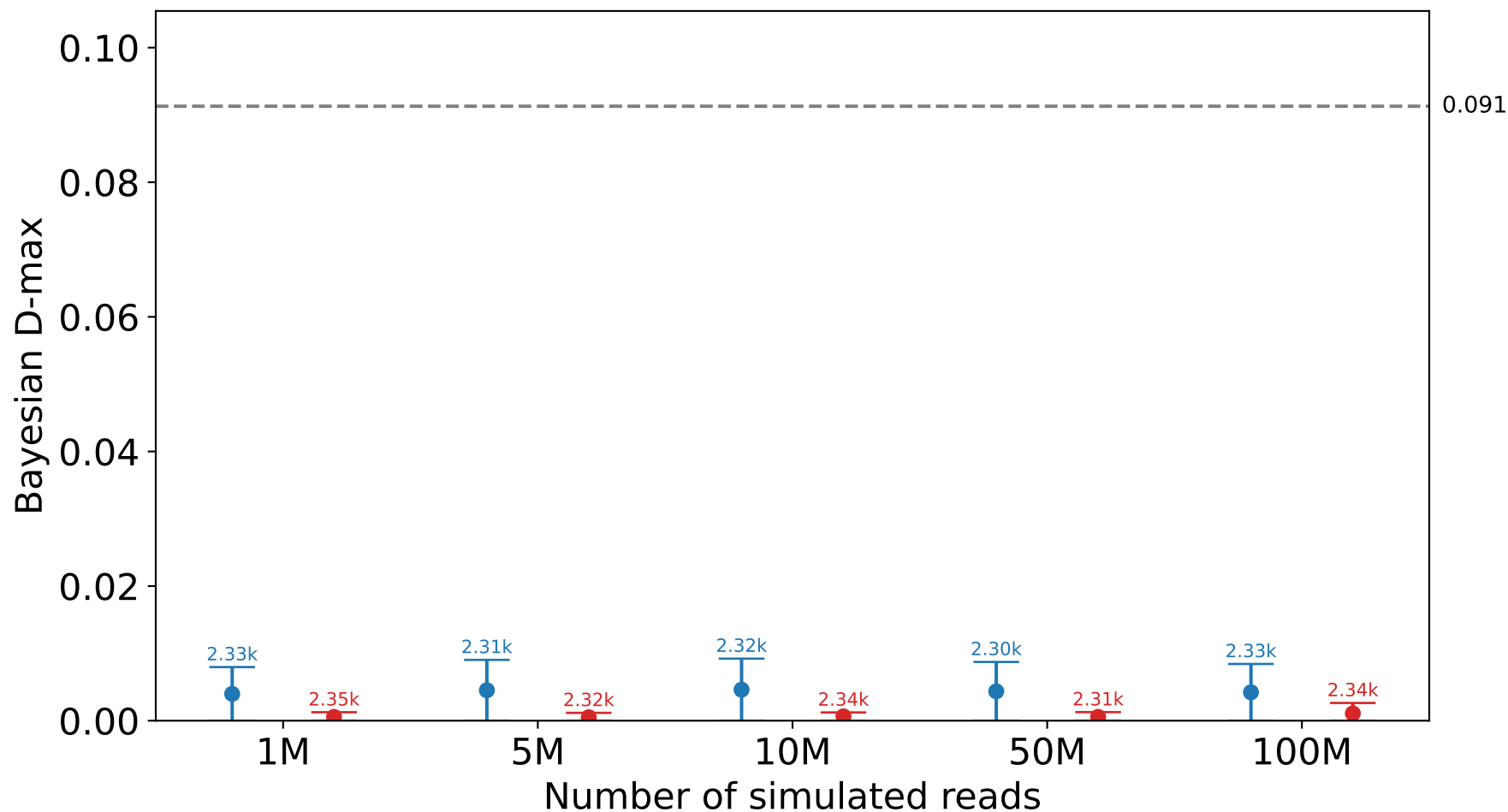
Only ancient: True

# Cave-22, Tax ID: 122410 s\_\_Arthrobacter\_A glacialis



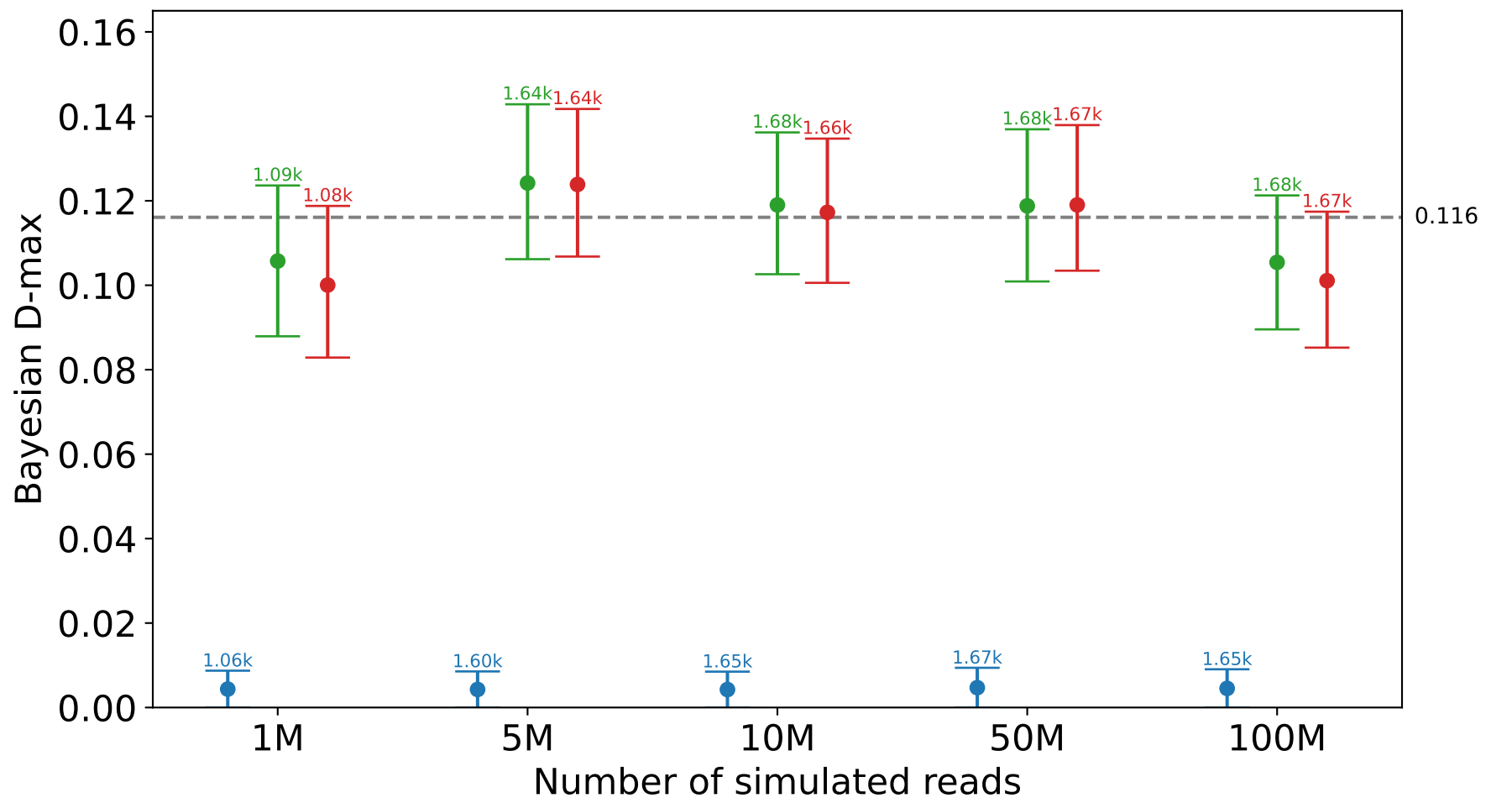
Only ancient: None

Cave-22, Tax ID: 118806  
s\_\_Brevundimonas sp001427825



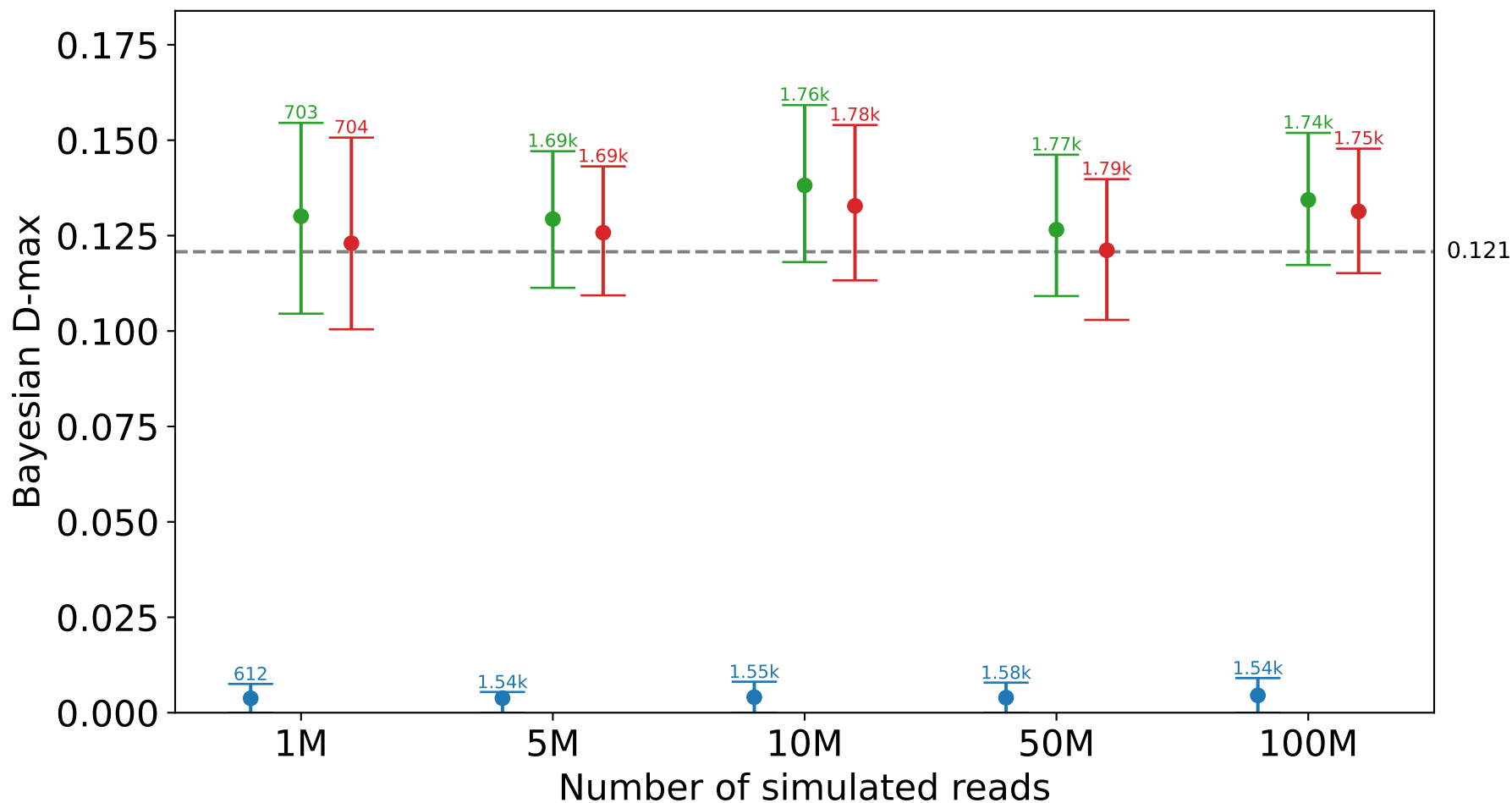
Only ancient: True

Cave-22, Tax ID: 130790  
s\_\_Brevibacterium sandarakinum



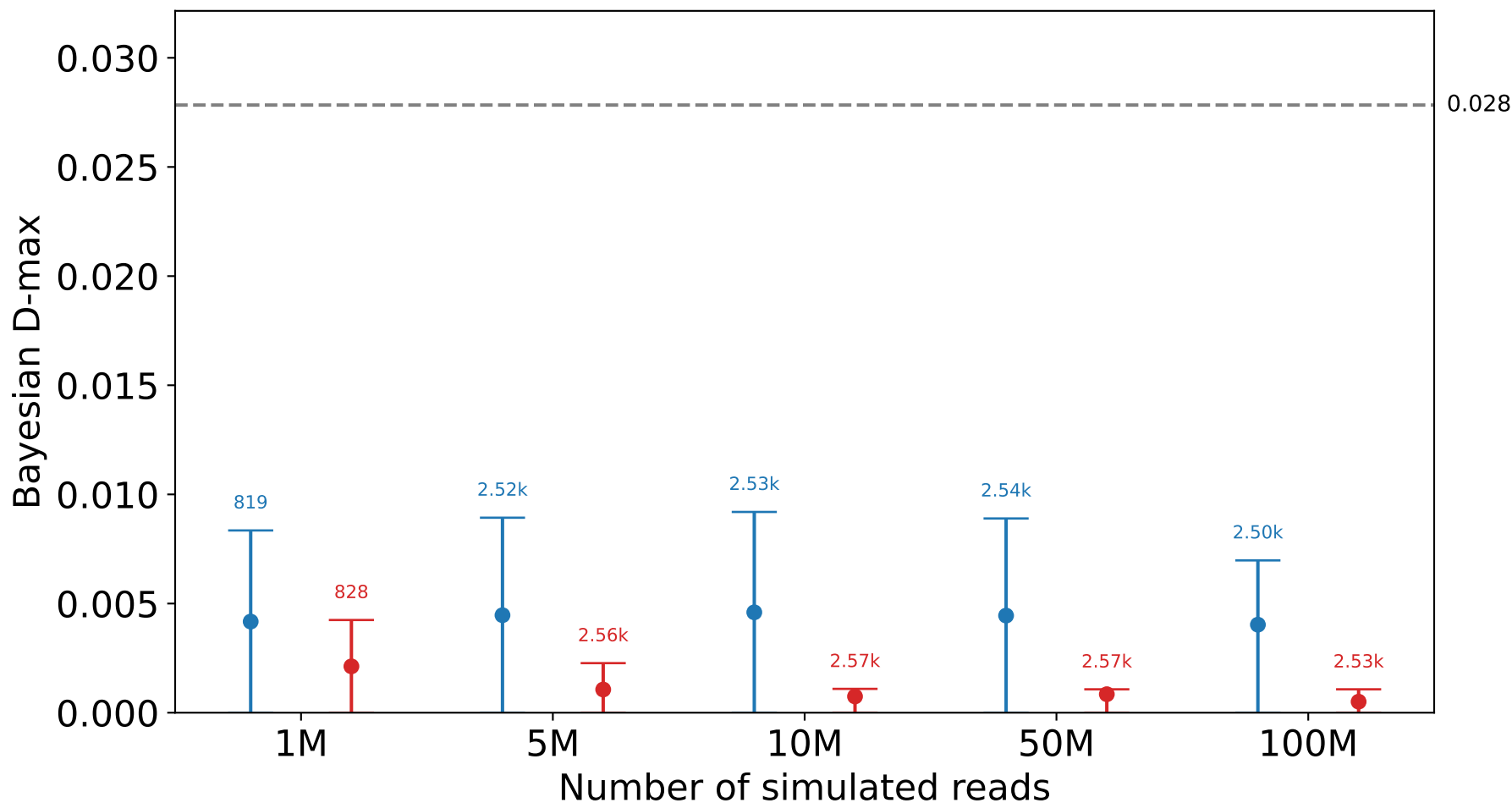
Only ancient: True

# Cave-22, Tax ID: 119813 s\_\_Rhodococcus qingshengii



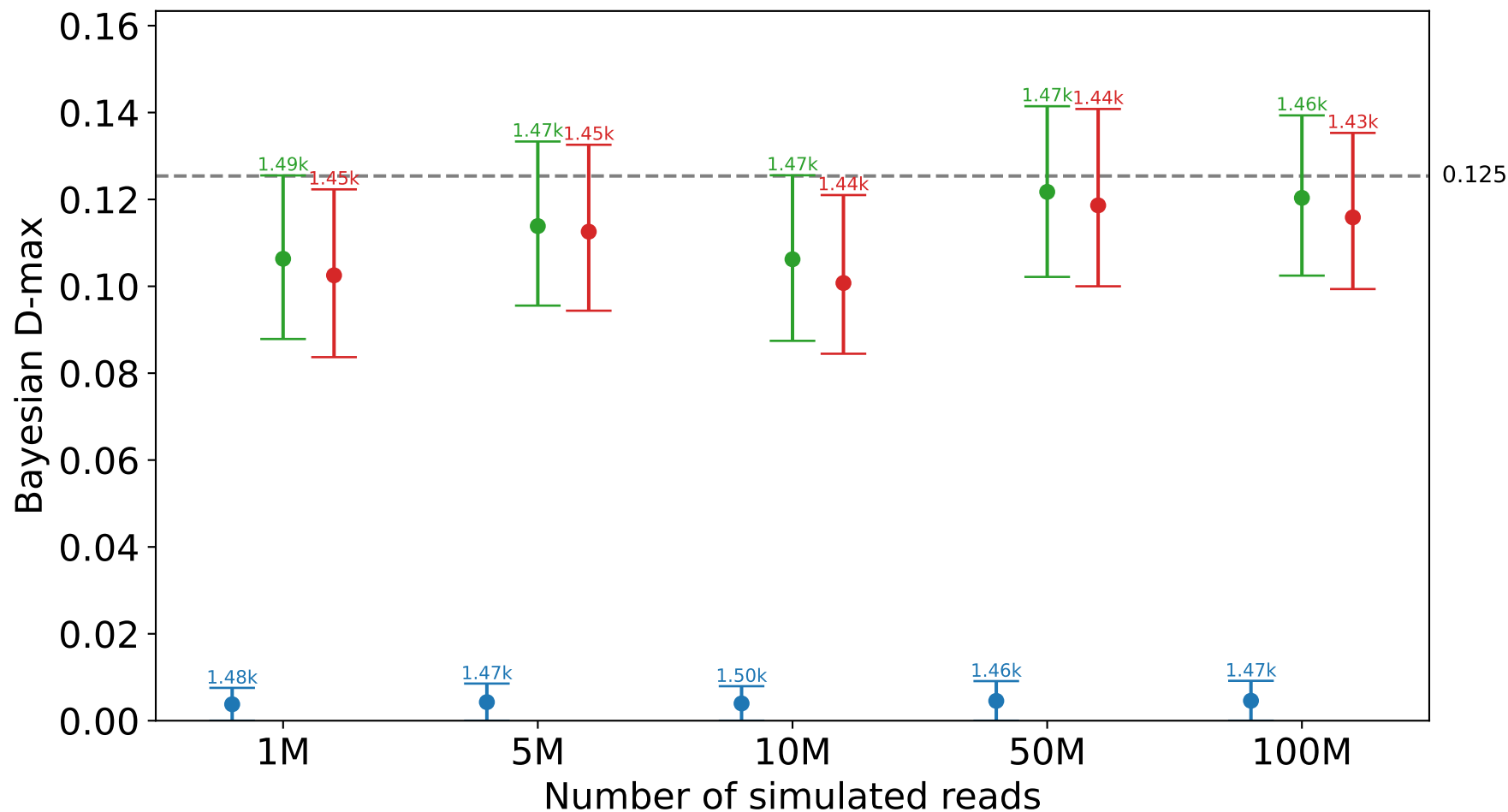
Only ancient: None

Cave-22, Tax ID: 116746  
s\_\_Actinosynnema sp000716595



Only ancient: True

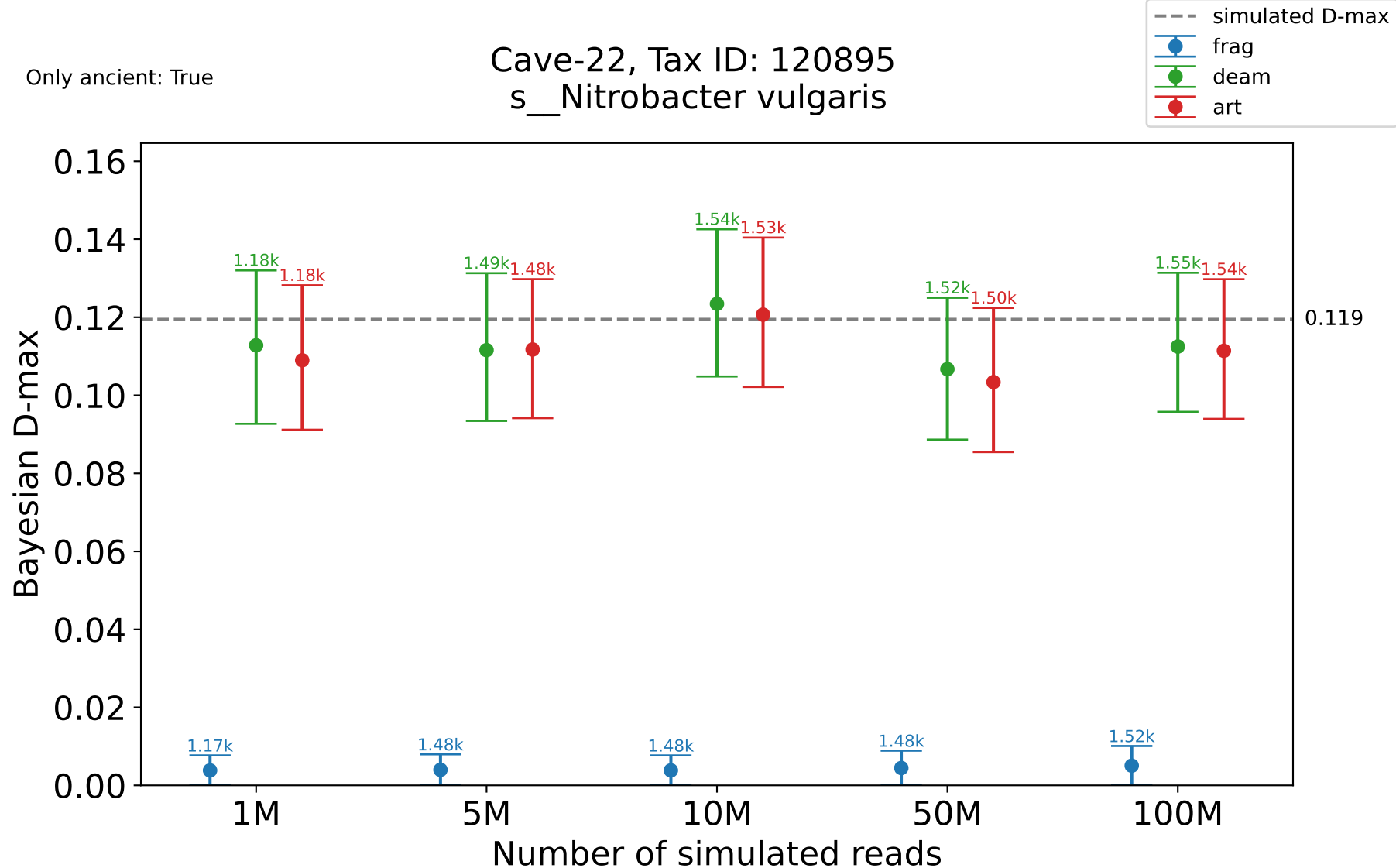
Cave-22, Tax ID: 104765  
s\_\_Methyloceanibacter sp014380485





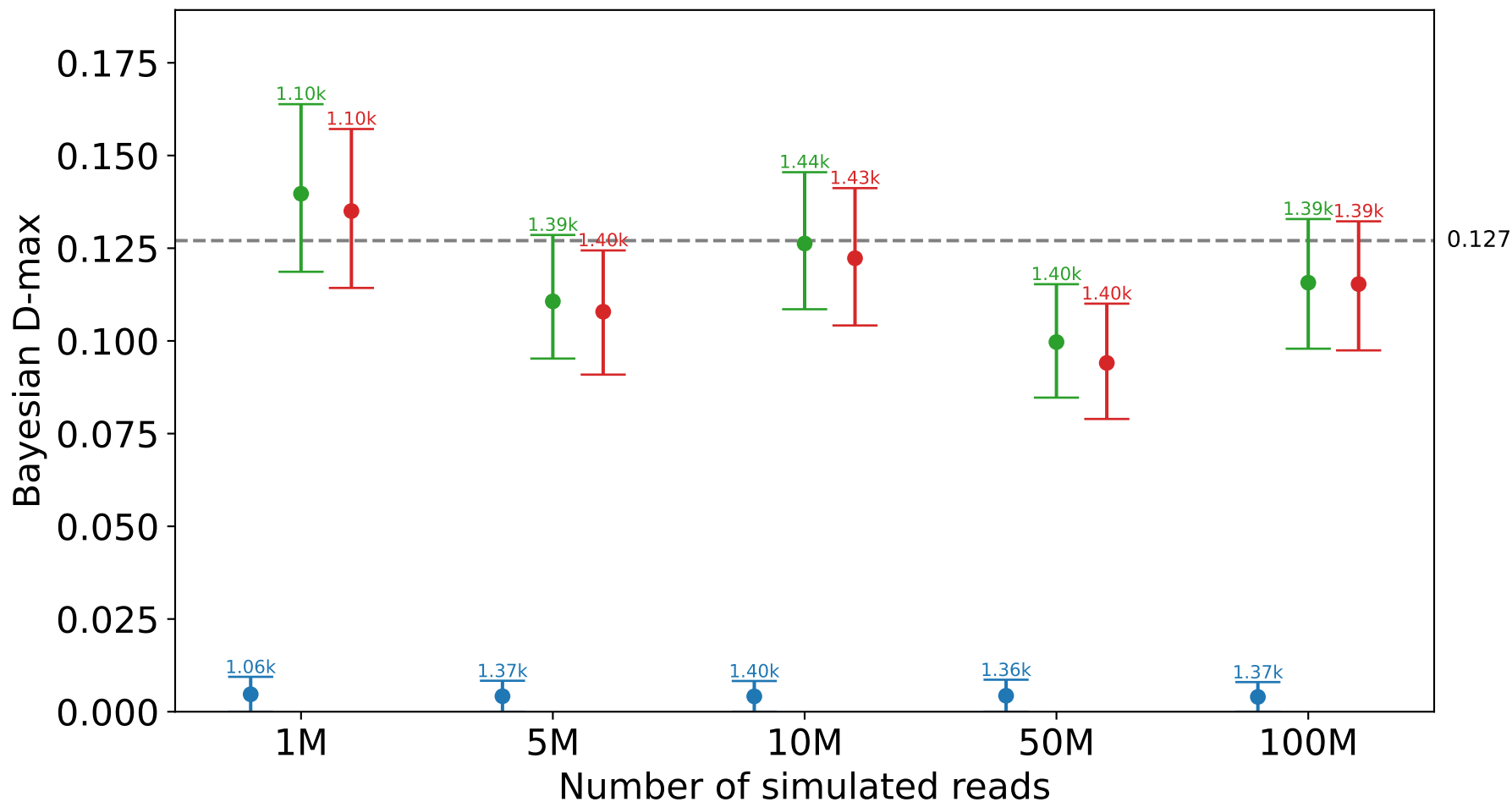
Only ancient: True

# Cave-22, Tax ID: 120895 s\_\_Nitrobacter vulgaris



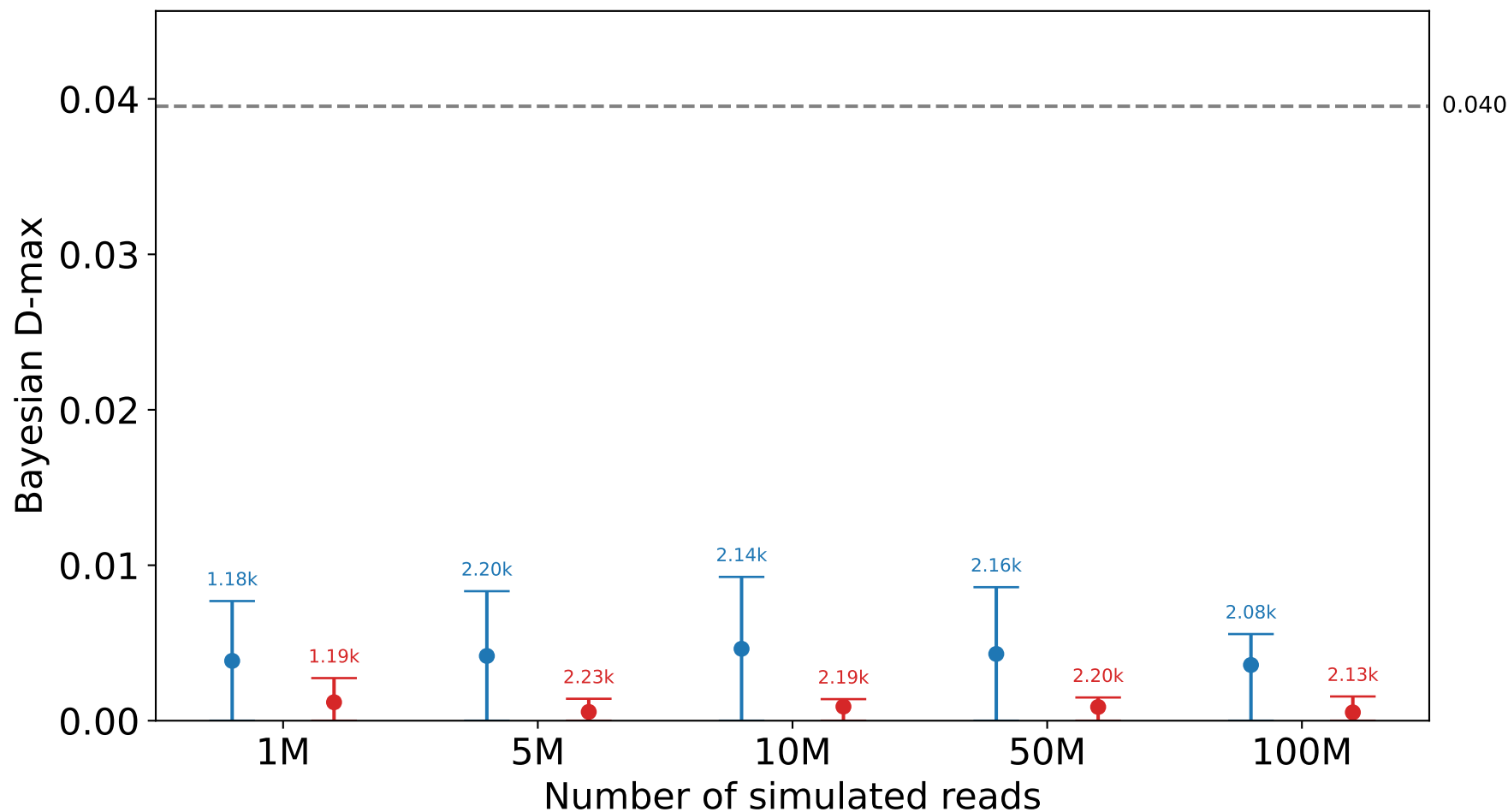
Only ancient: True

# Cave-22, Tax ID: 131637 s\_\_Brevibacterium antiquum



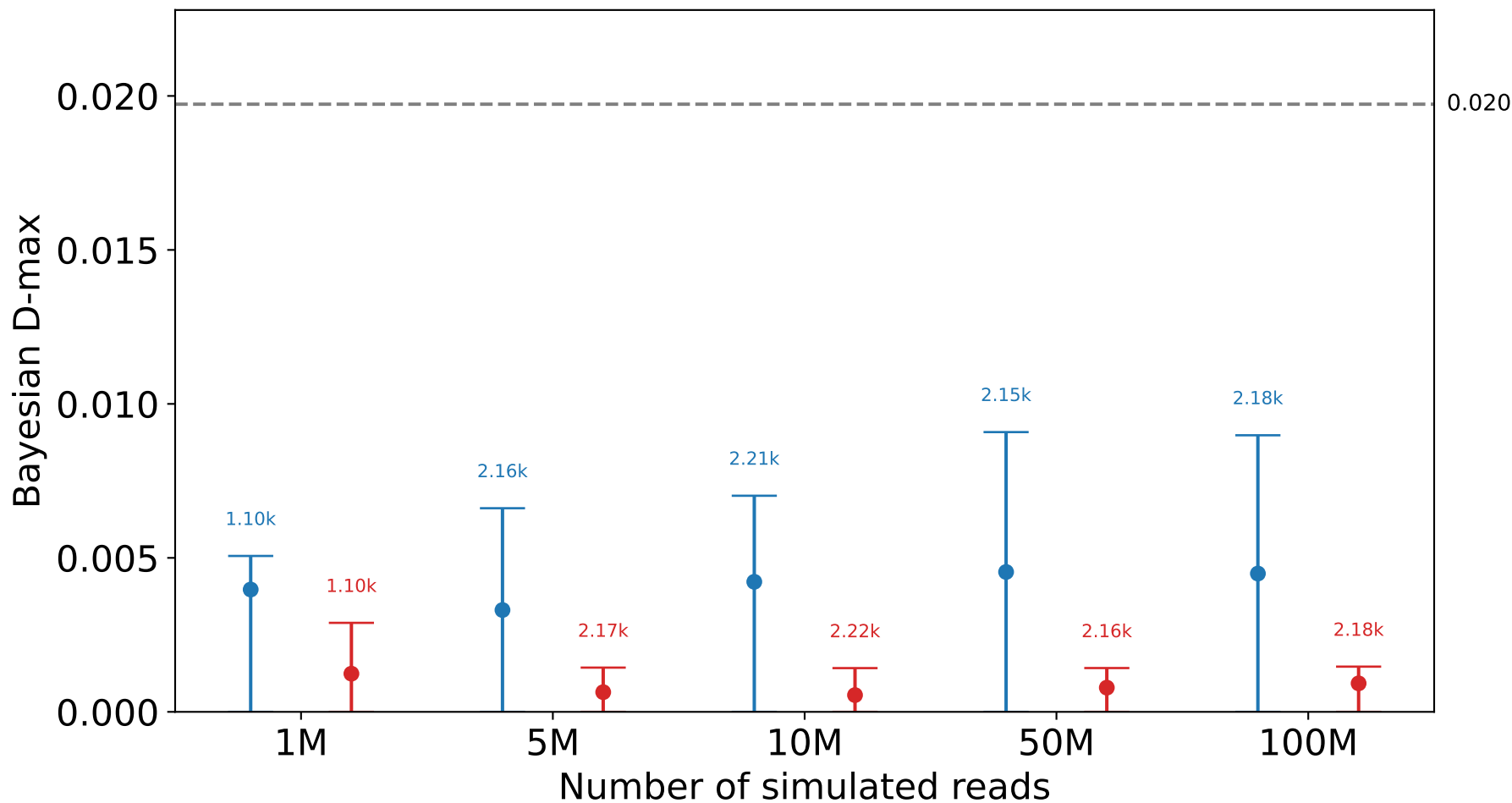
Only ancient: None

Cave-22, Tax ID: 119126  
s\_Pseudarthrobacter sulfonivorans



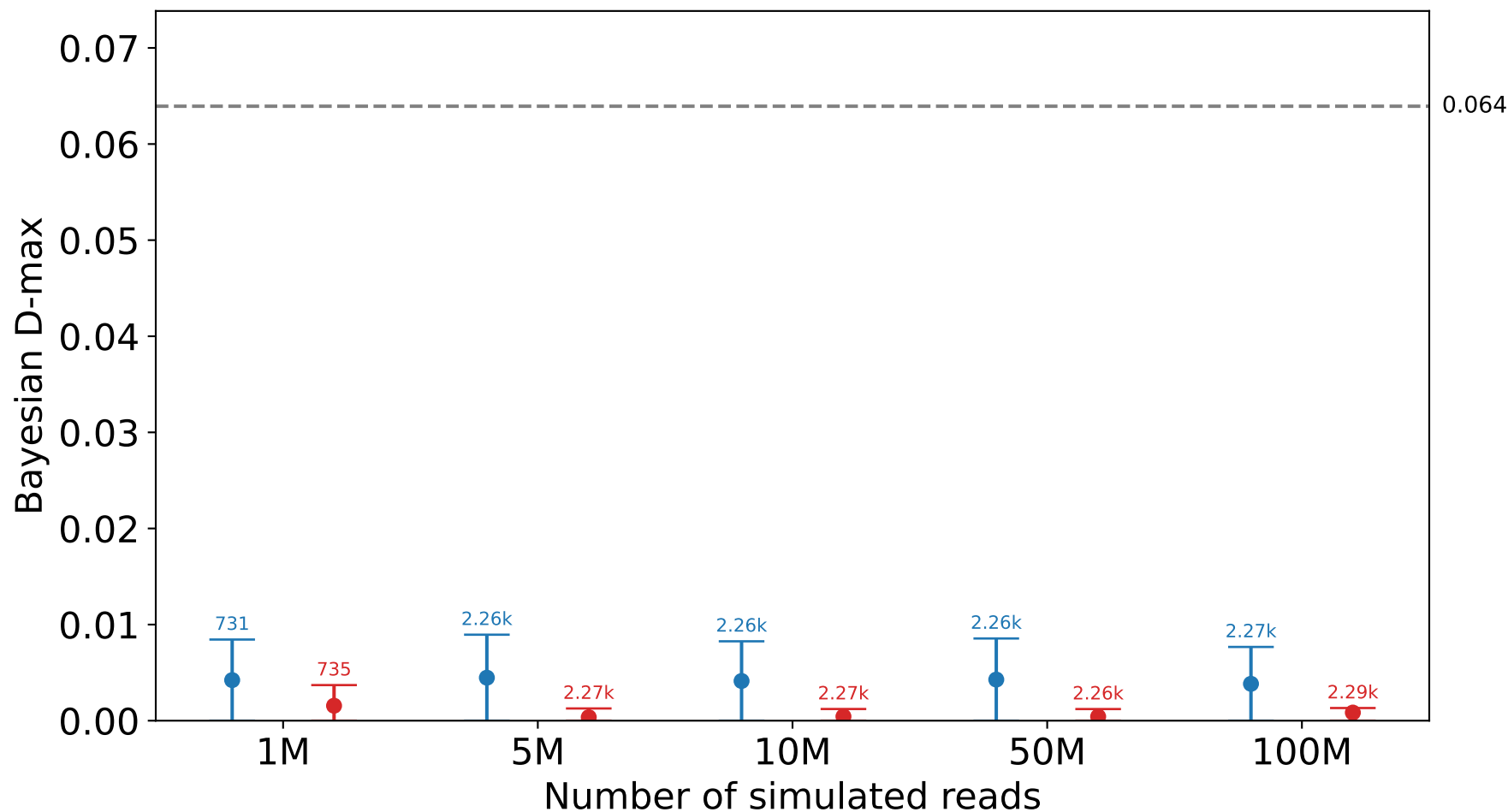
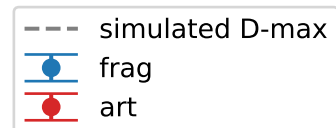
Only ancient: None

Cave-22, Tax ID: 129240  
s\_Ramlibacter sp013155545



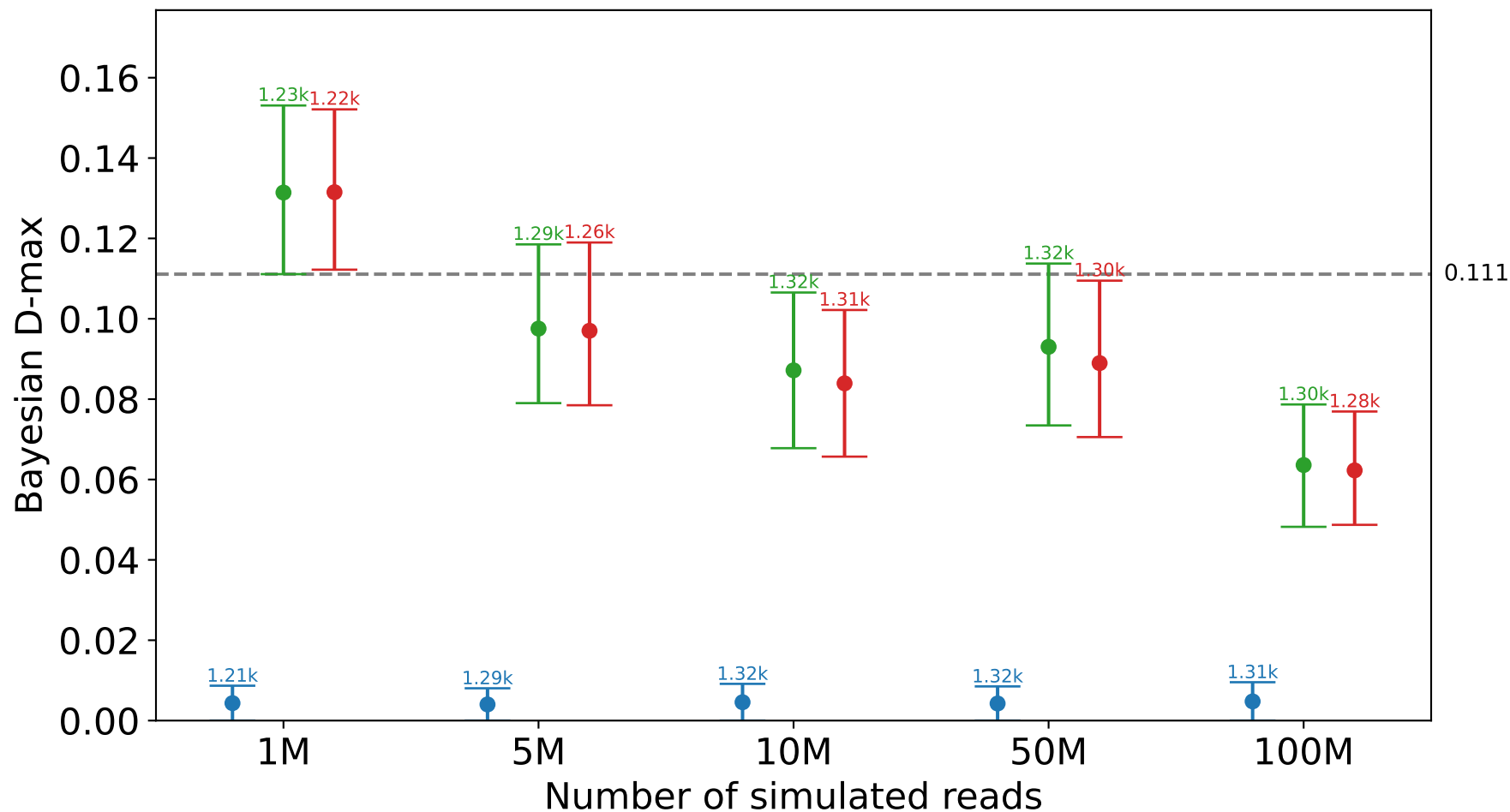
Only ancient: None

# Cave-22, Tax ID: 130084 s\_Actinoplanes digitatis



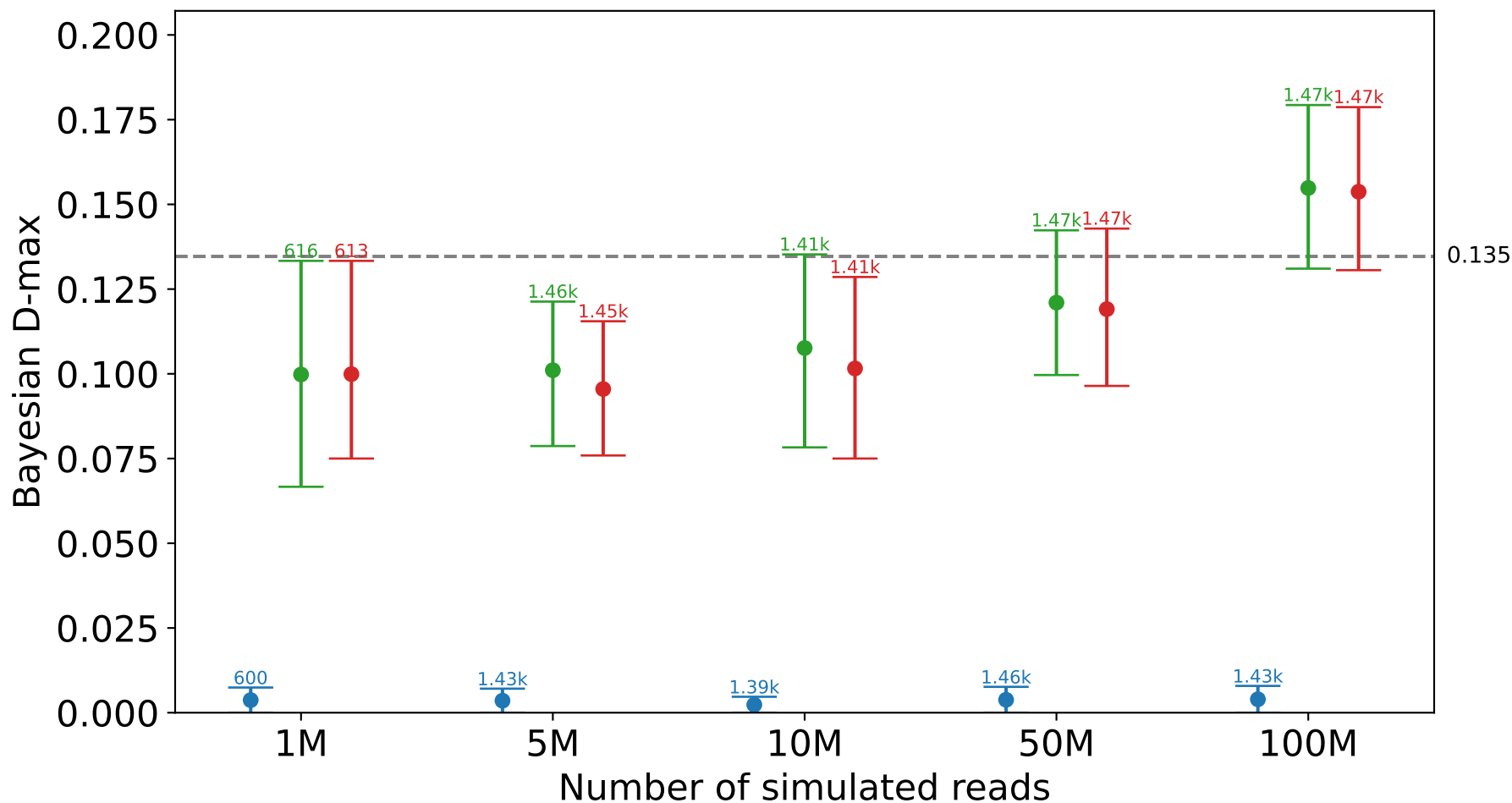
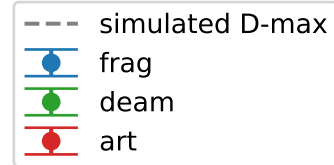
Only ancient: True

Cave-22, Tax ID: 104094  
s\_JACCYU01 sp013695765



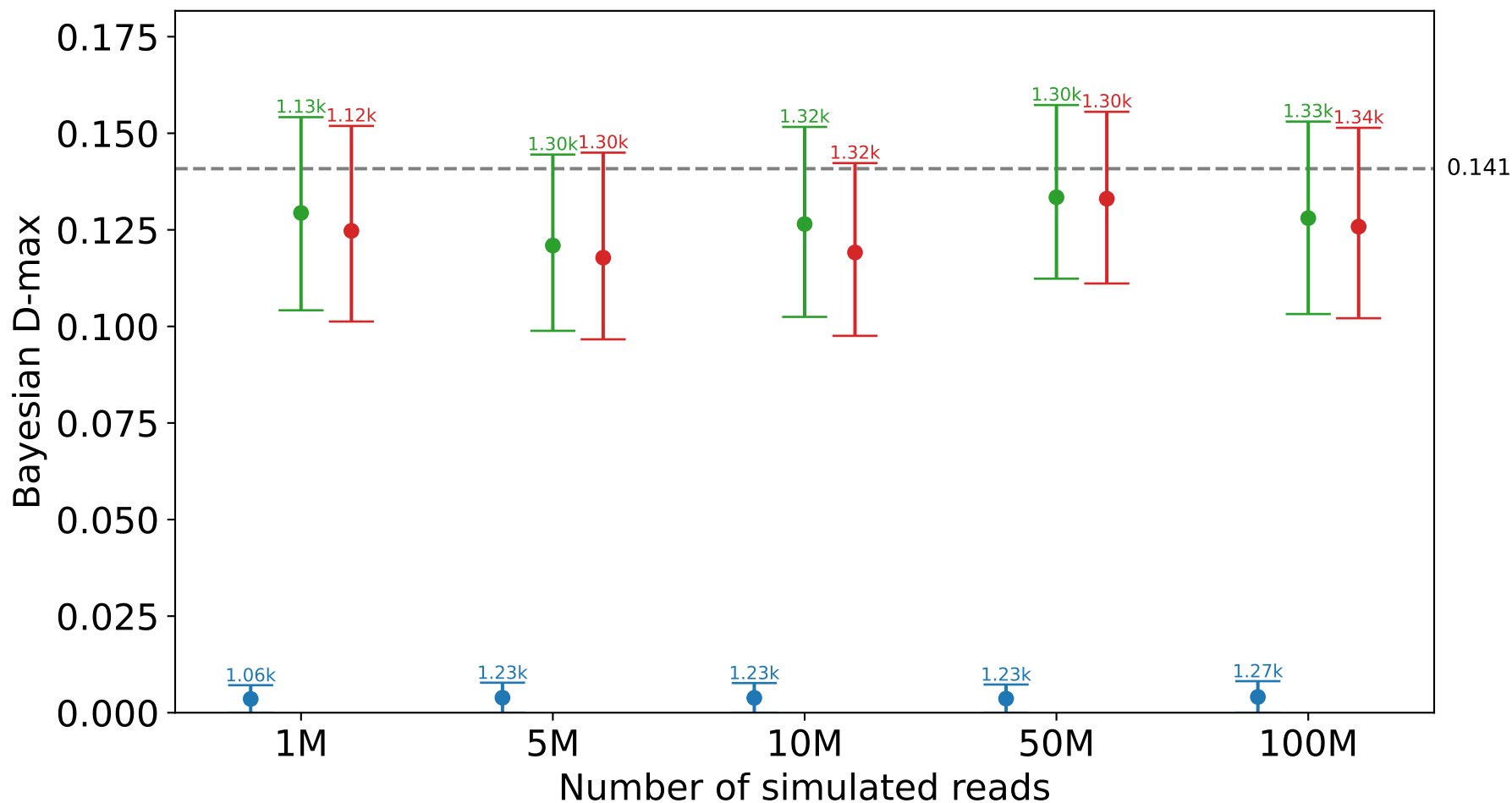
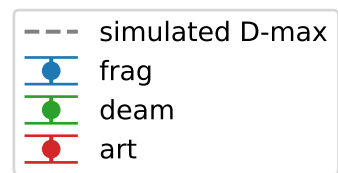
Only ancient: True

# Cave-22, Tax ID: 119749 s\_Paenibacillus glacialis



Only ancient: True

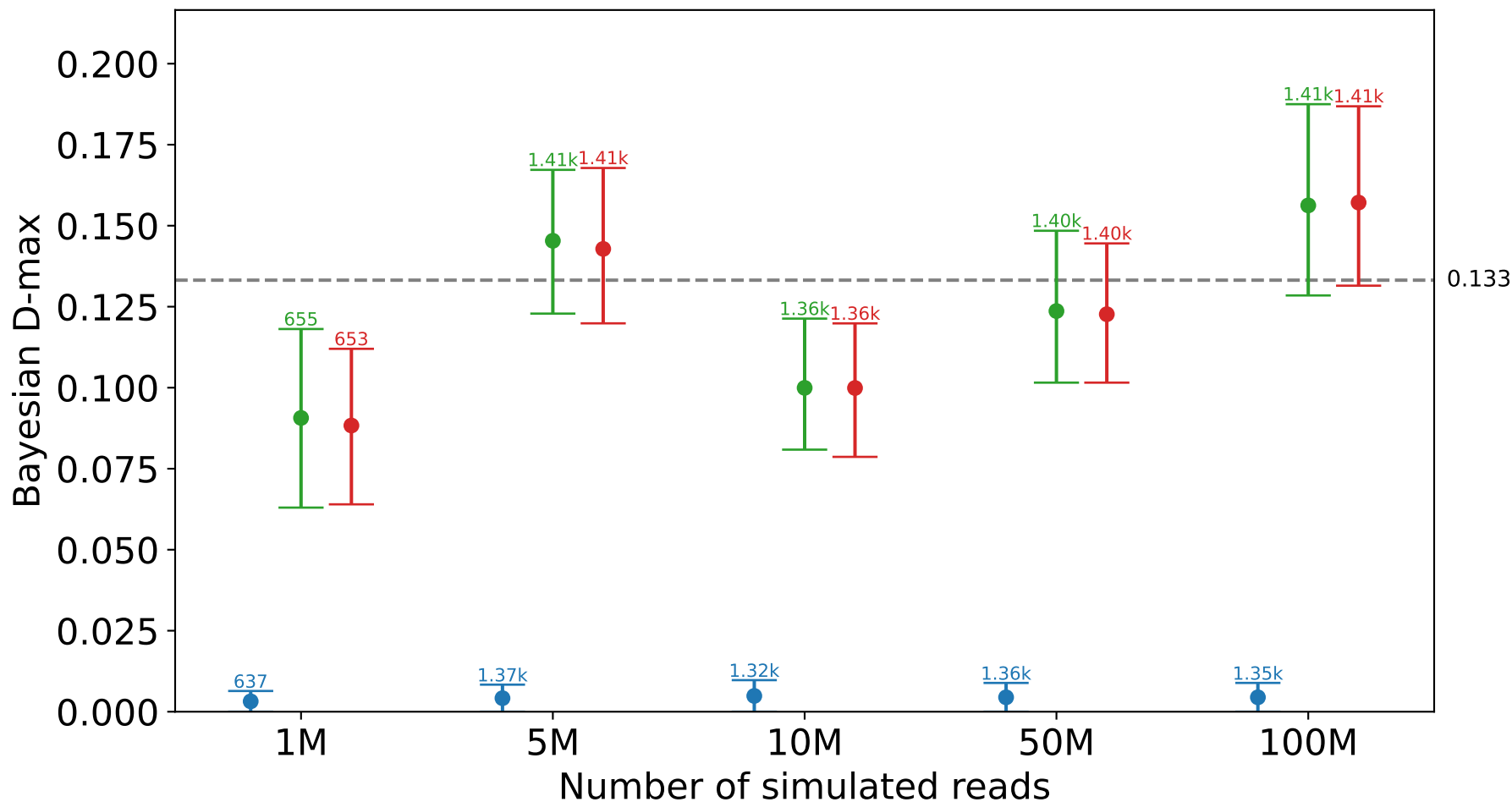
# Cave-22, Tax ID: 104165 s\_\_Aliterella sp013698215





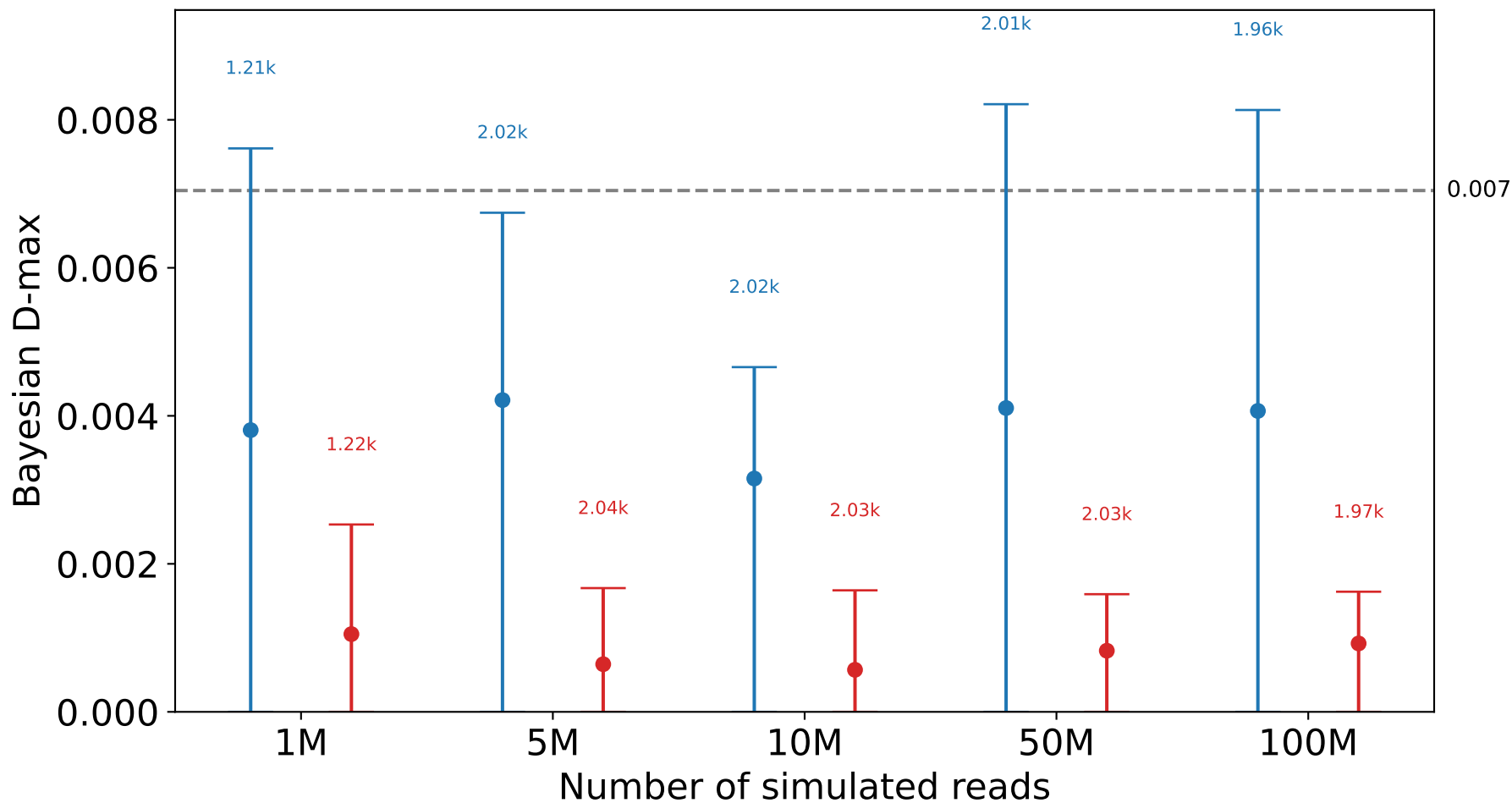
Only ancient: True

# Cave-22, Tax ID: 119750 s\_Paenibacillus antarcticus



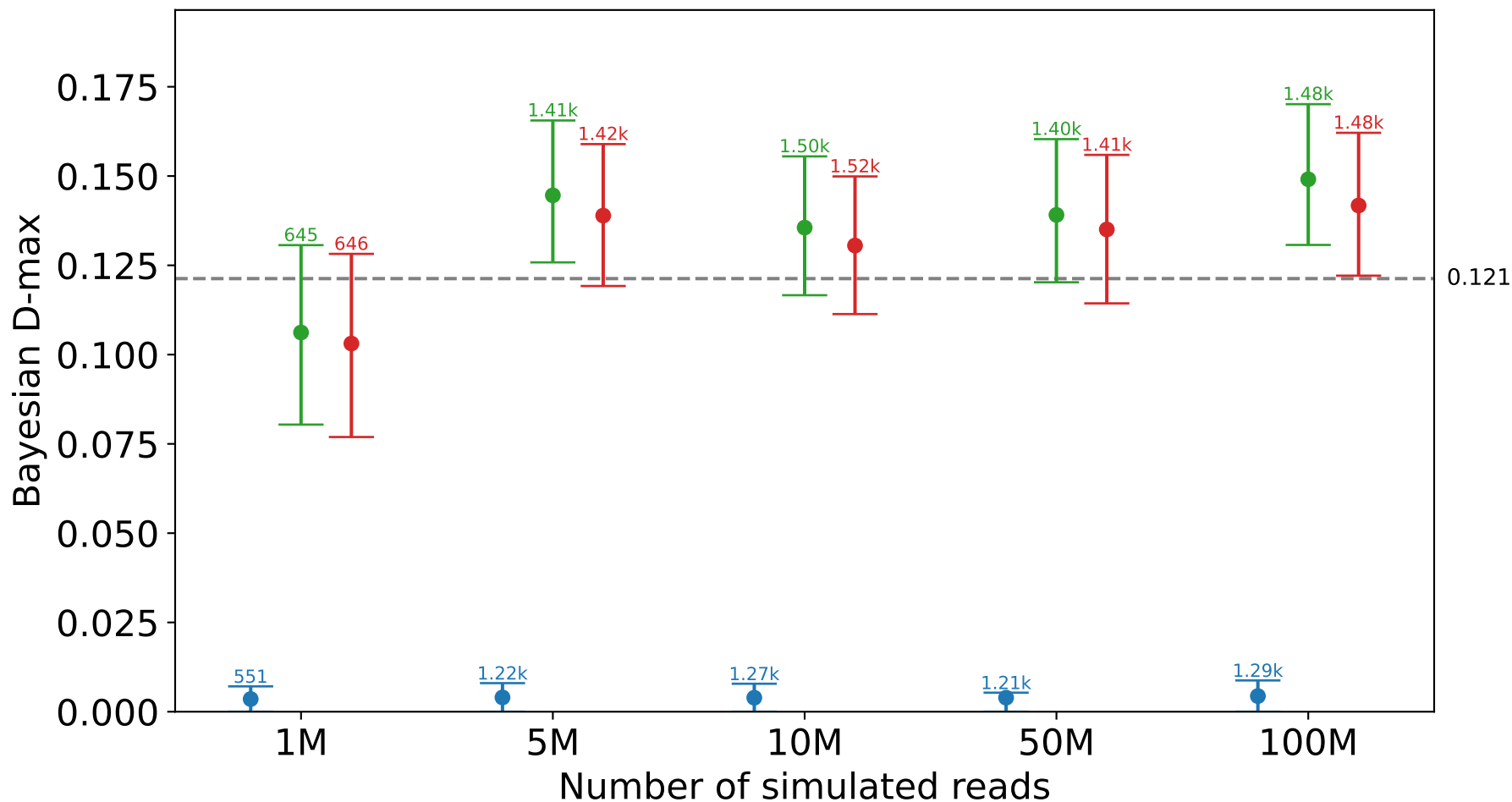
Only ancient: None

Cave-22, Tax ID: 81688  
s\_\_Pseudomonas\_E sp002354655



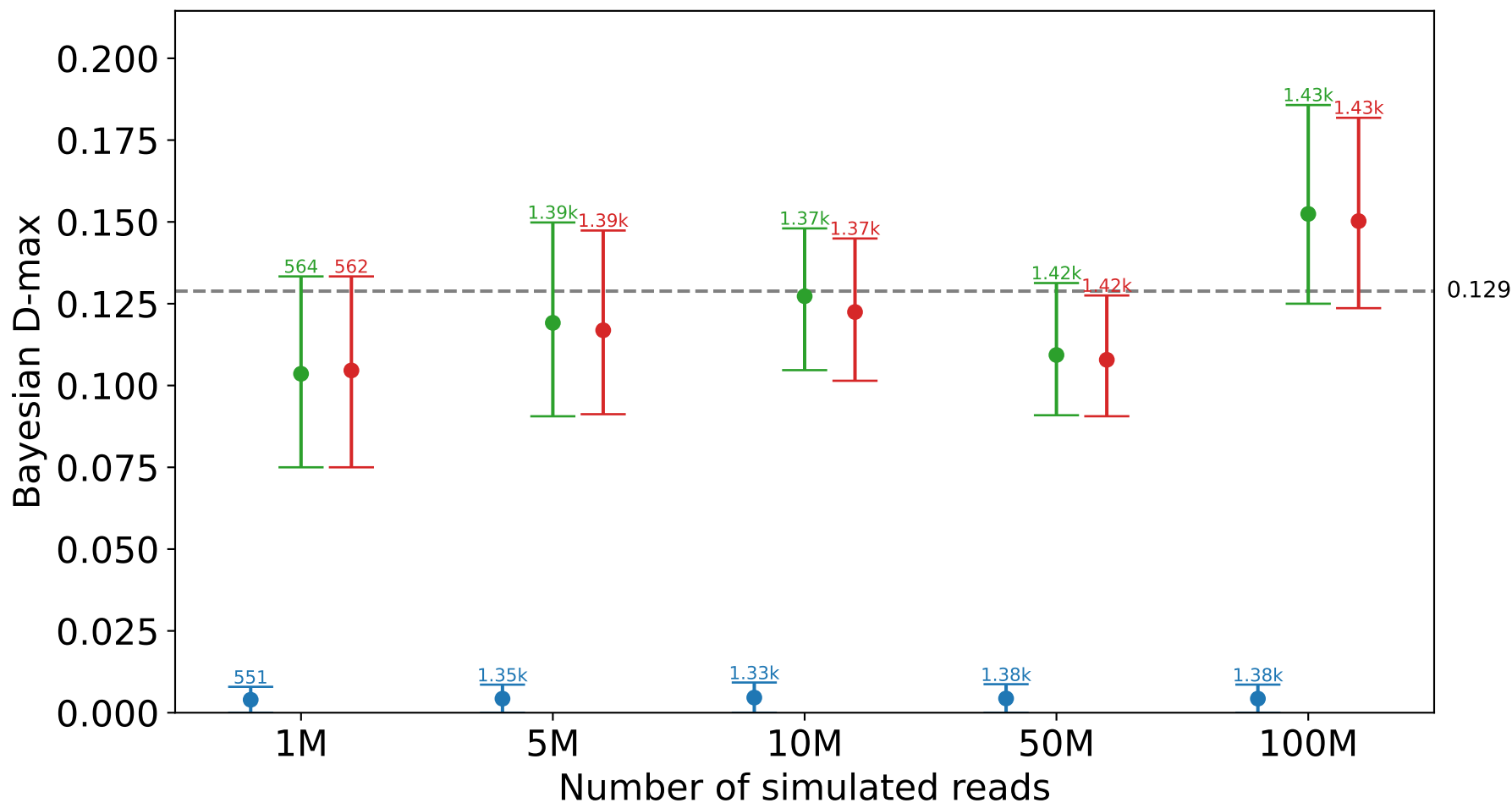
Only ancient: True

# Cave-22, Tax ID: 117599 s\_\_Rhodococcus erythropolis



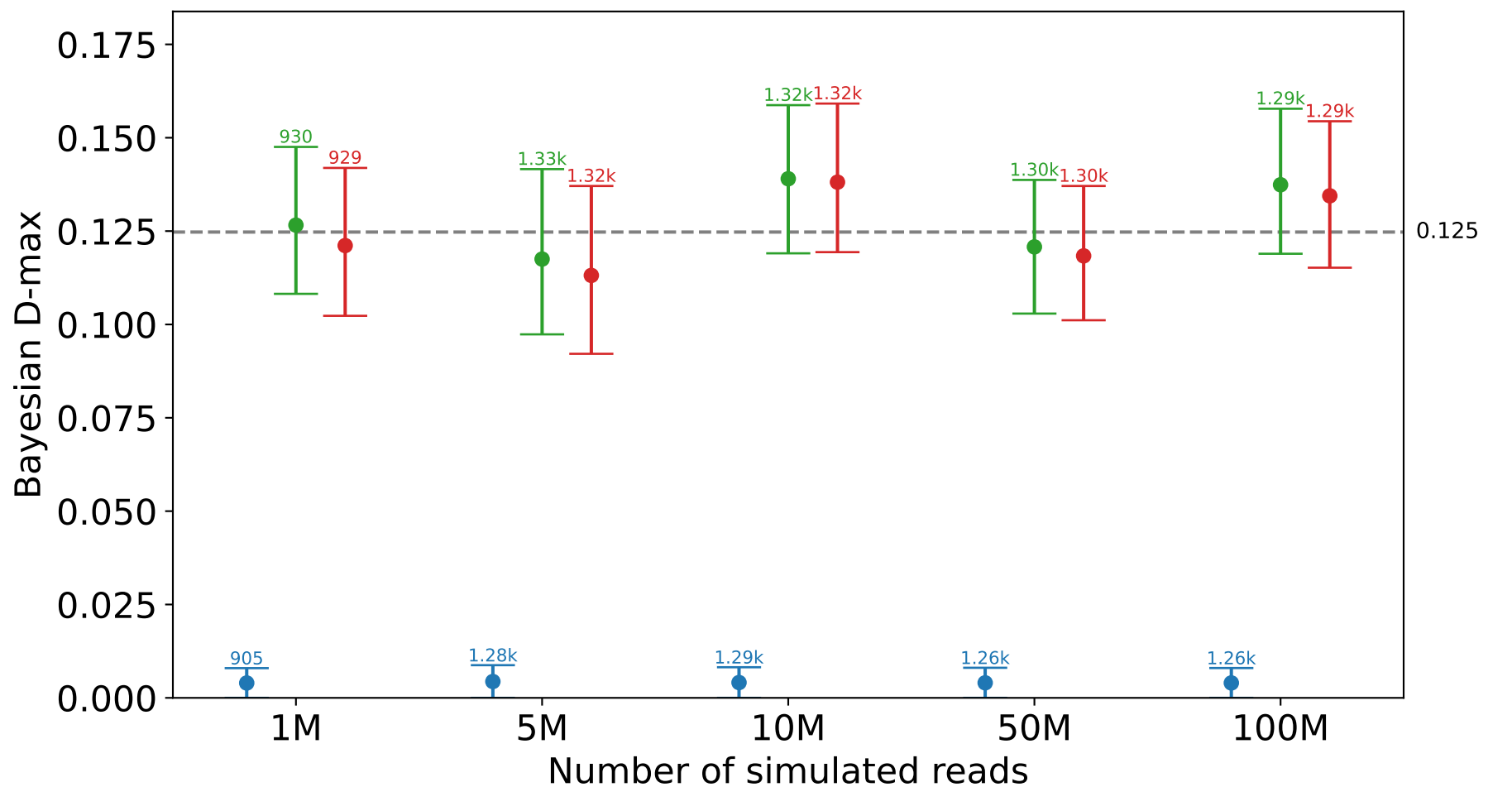
Only ancient: True

# Cave-22, Tax ID: 119747 s\_Paenibacillus macquariensis



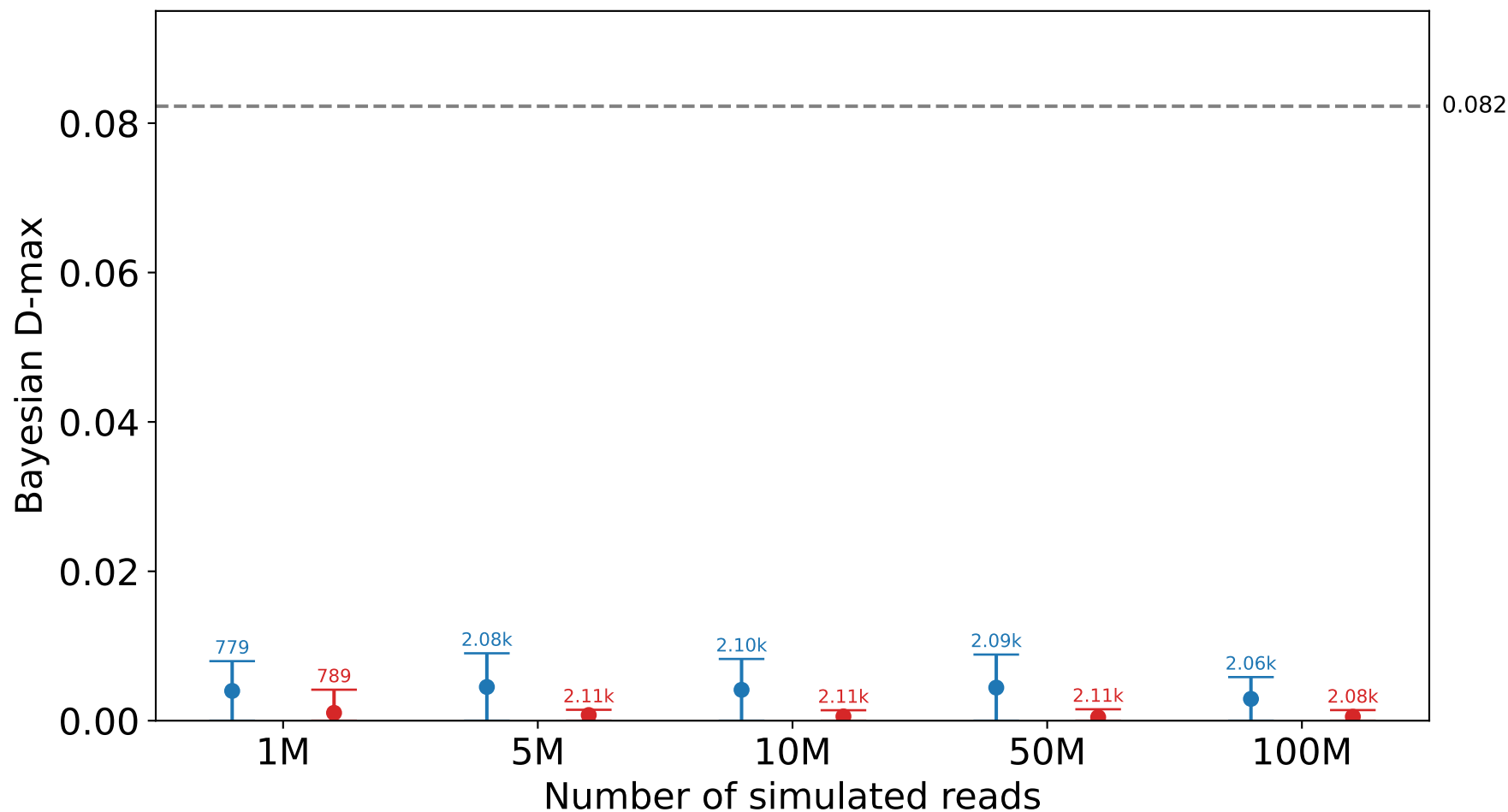
Only ancient: True

Cave-22, Tax ID: 121716  
s\_\_Brevibacterium aurantiacum



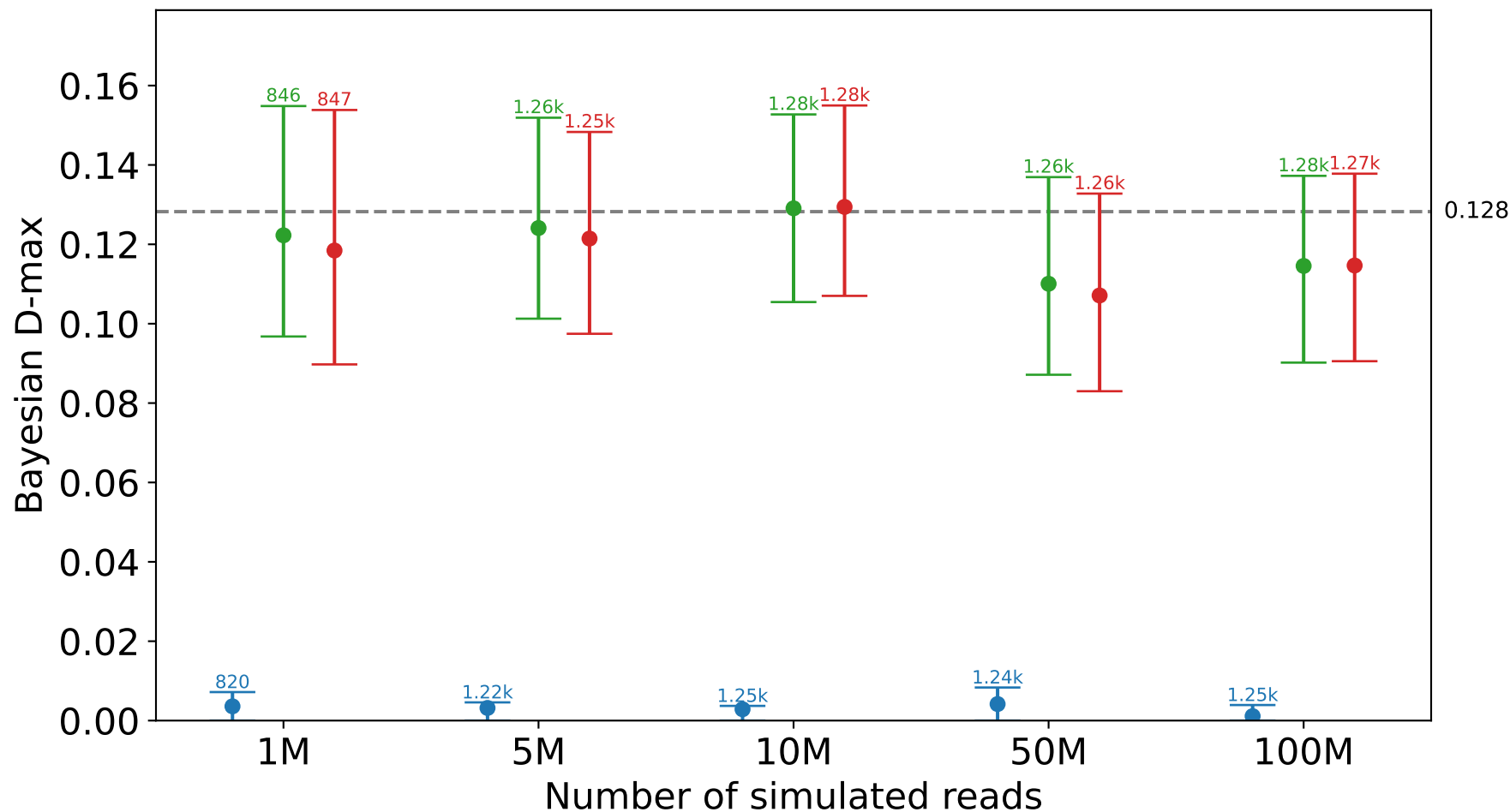
Only ancient: None

# Cave-22, Tax ID: 114122 s\_Mycobacterium tusciae\_A



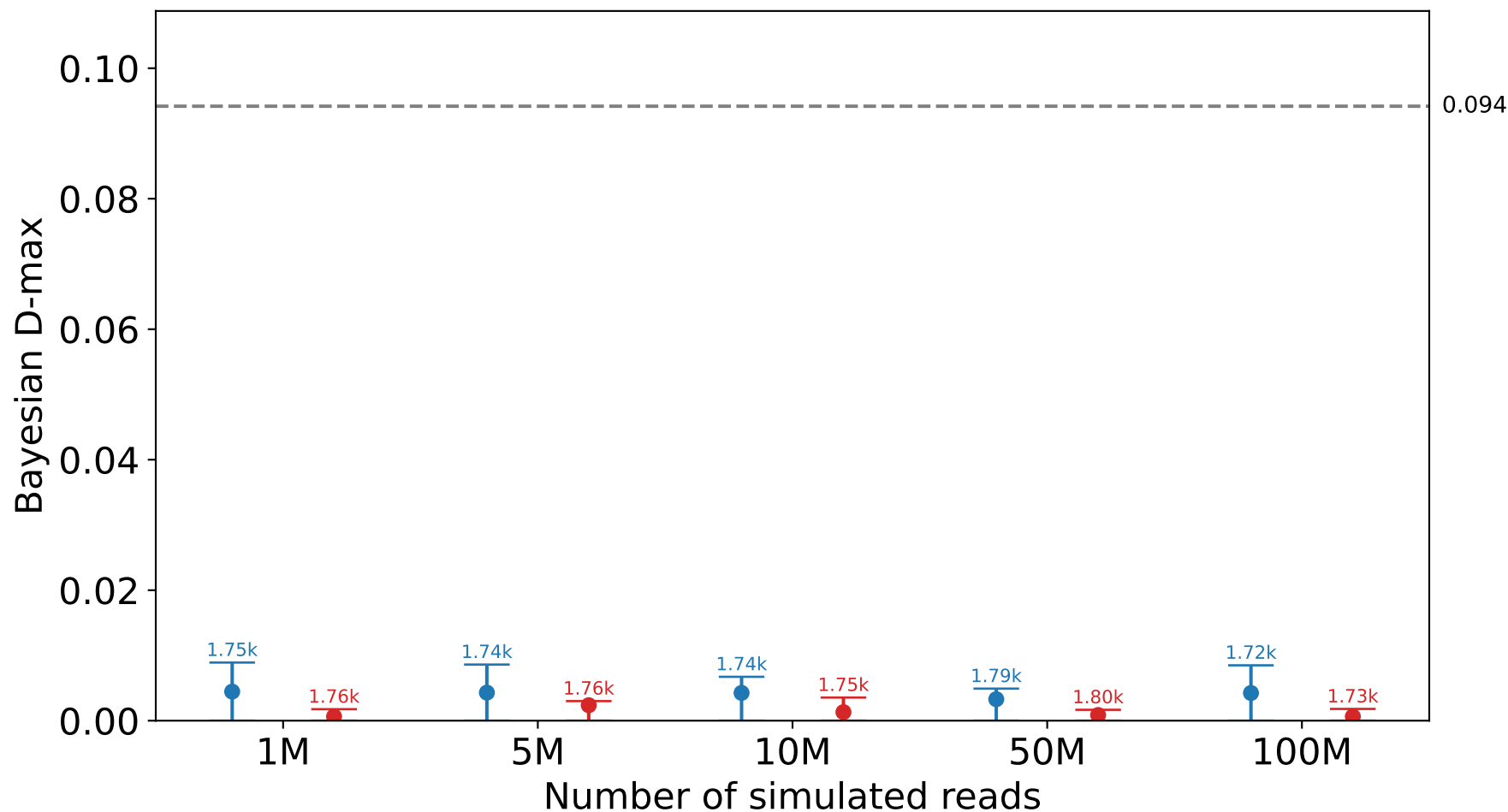
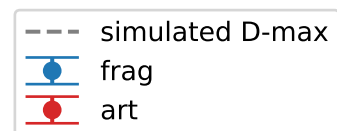
Only ancient: True

Cave-22, Tax ID: 104880  
s\_TH5896 sp014523695



Only ancient: None

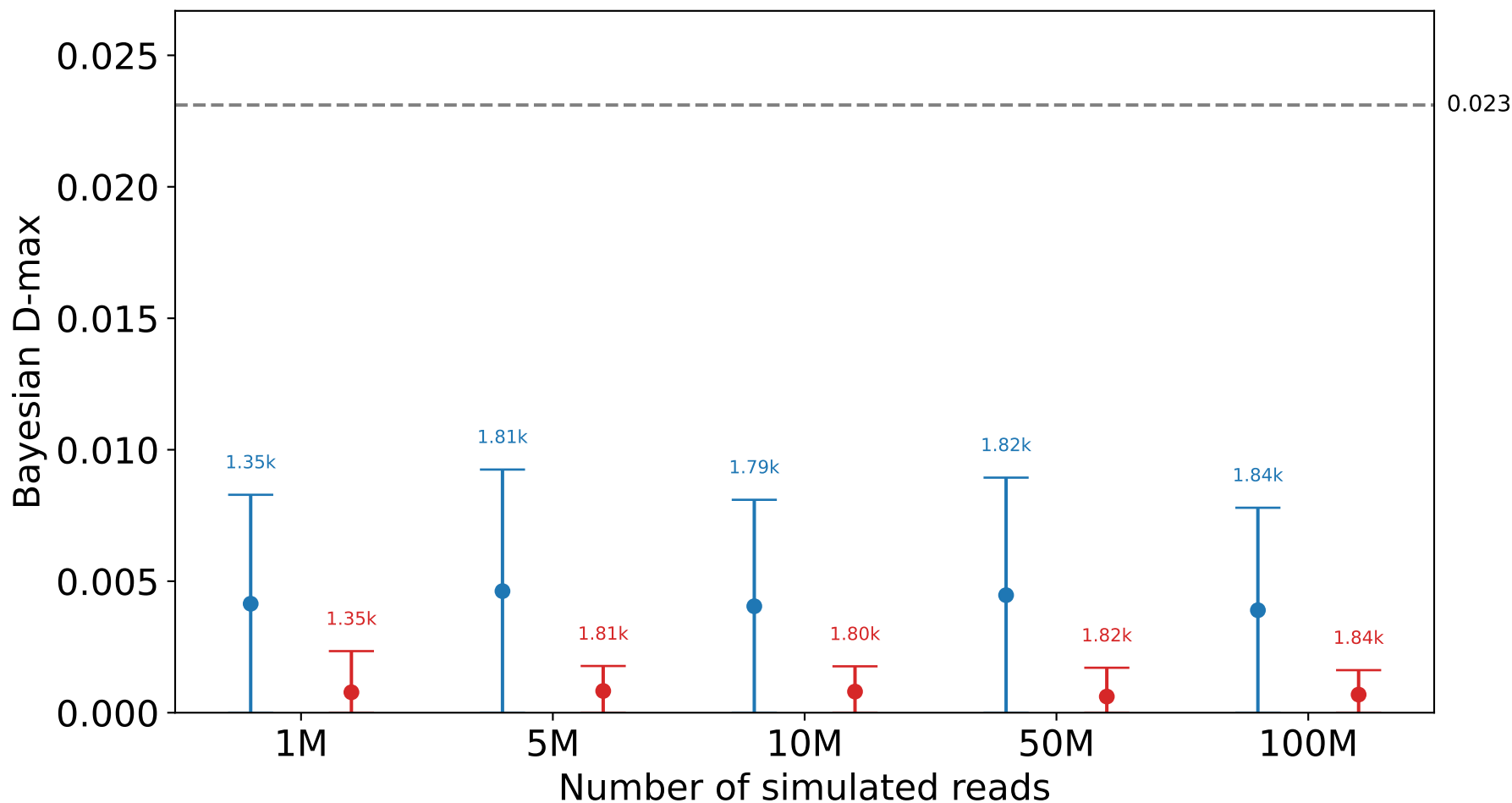
Cave-22, Tax ID: 104252  
s\_SCSIO-52909 sp013815575





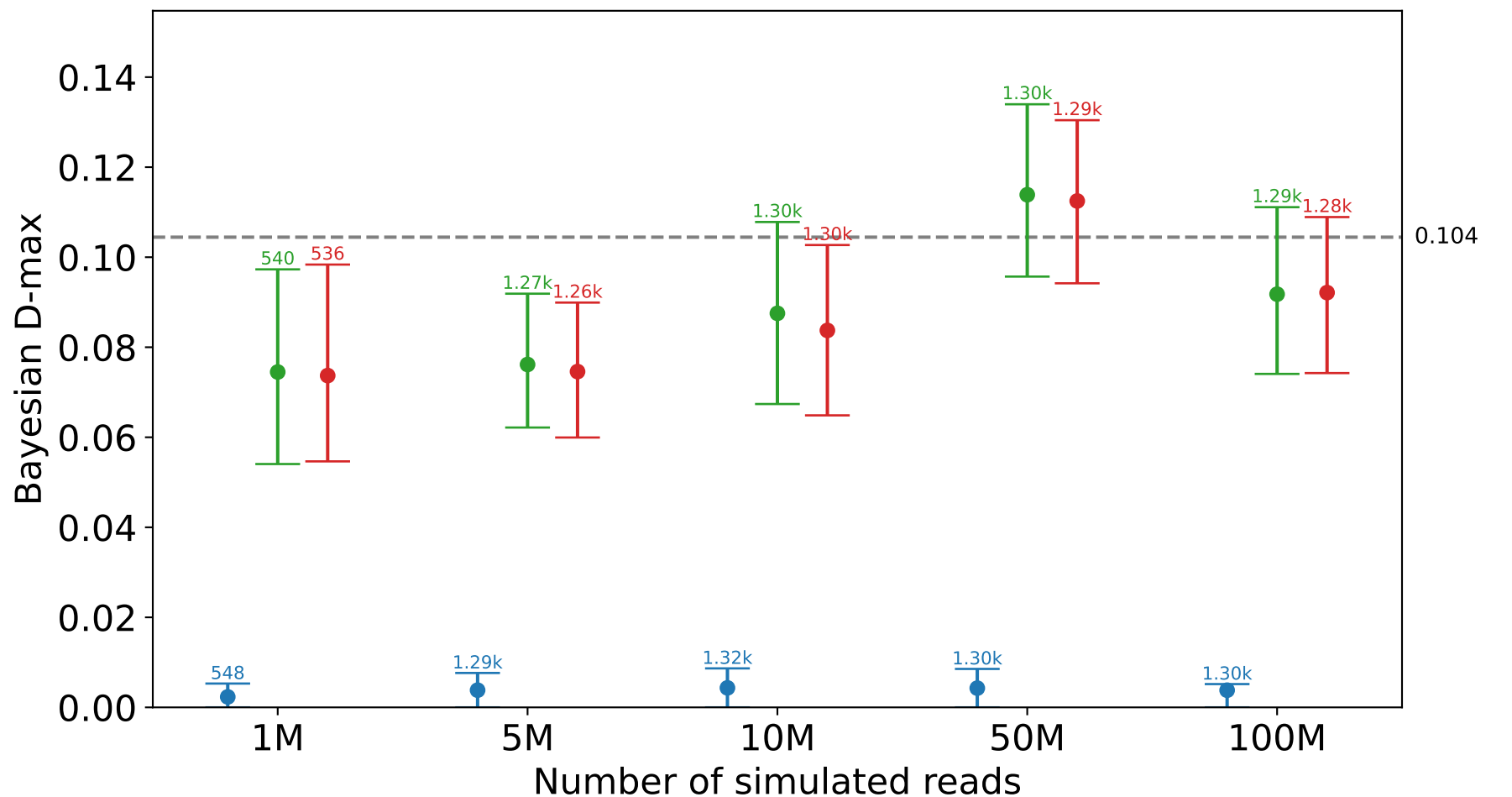
Only ancient: None

Cave-22, Tax ID: 127775  
s\_\_Novosphingobium sp009707465



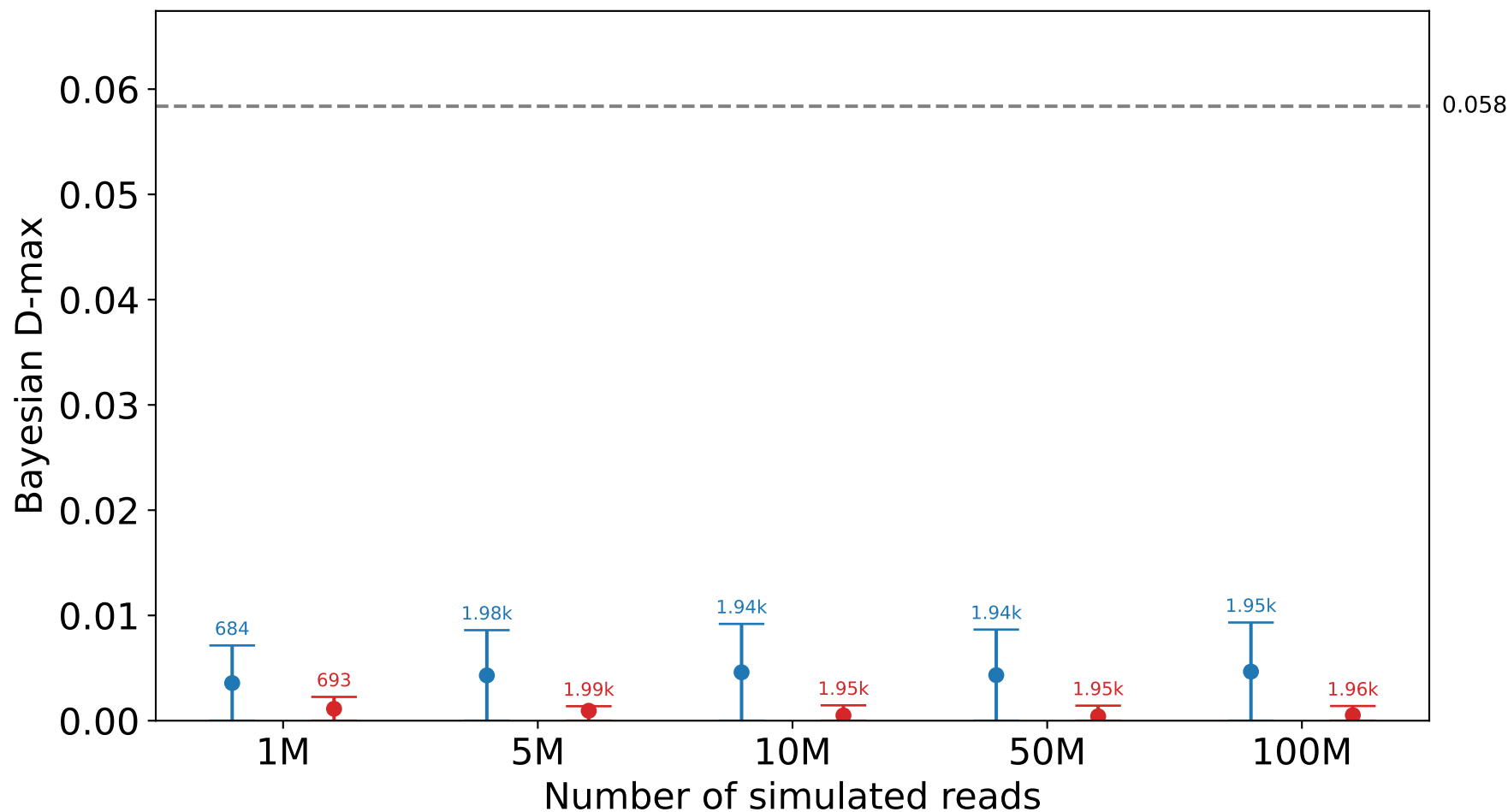
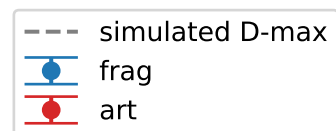
Only ancient: True

# Cave-22, Tax ID: 121515 s\_Rhodococcus sp002245895



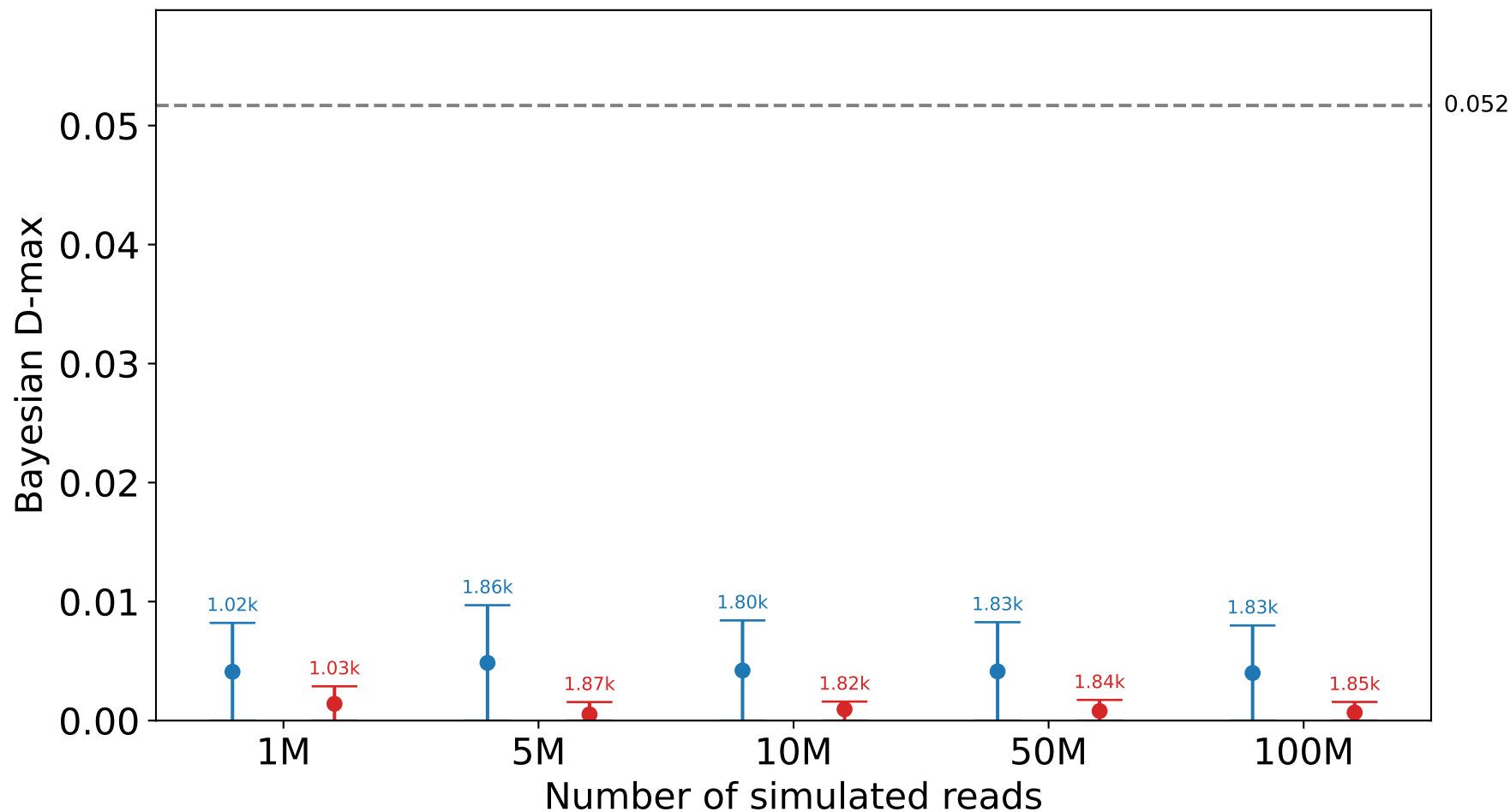
Only ancient: None

# Cave-22, Tax ID: 121000 s\_\_Nonomuraea rubra\_A



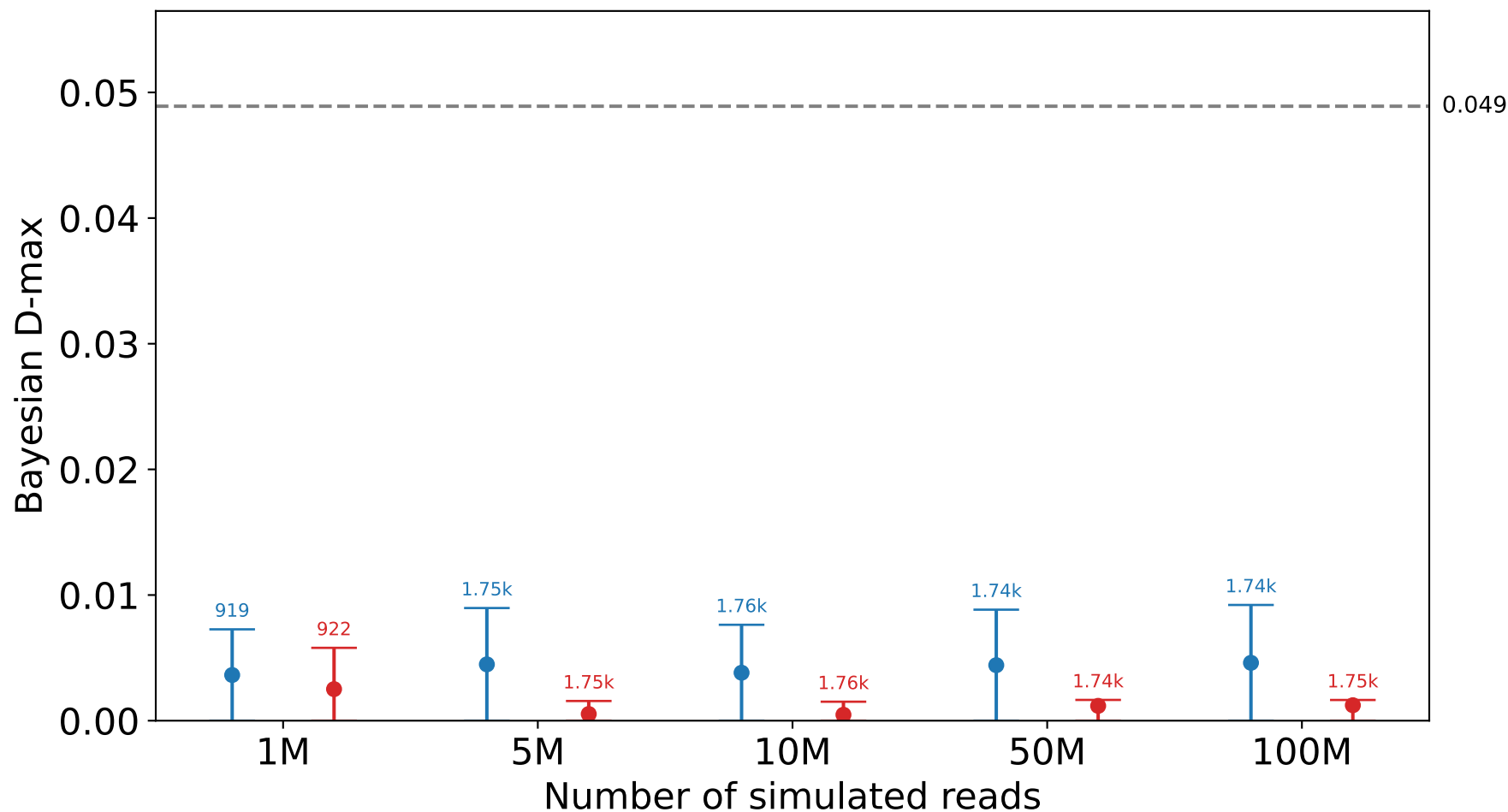
Only ancient: None

Cave-22, Tax ID: 96407  
s\_Reyranella sp004296935



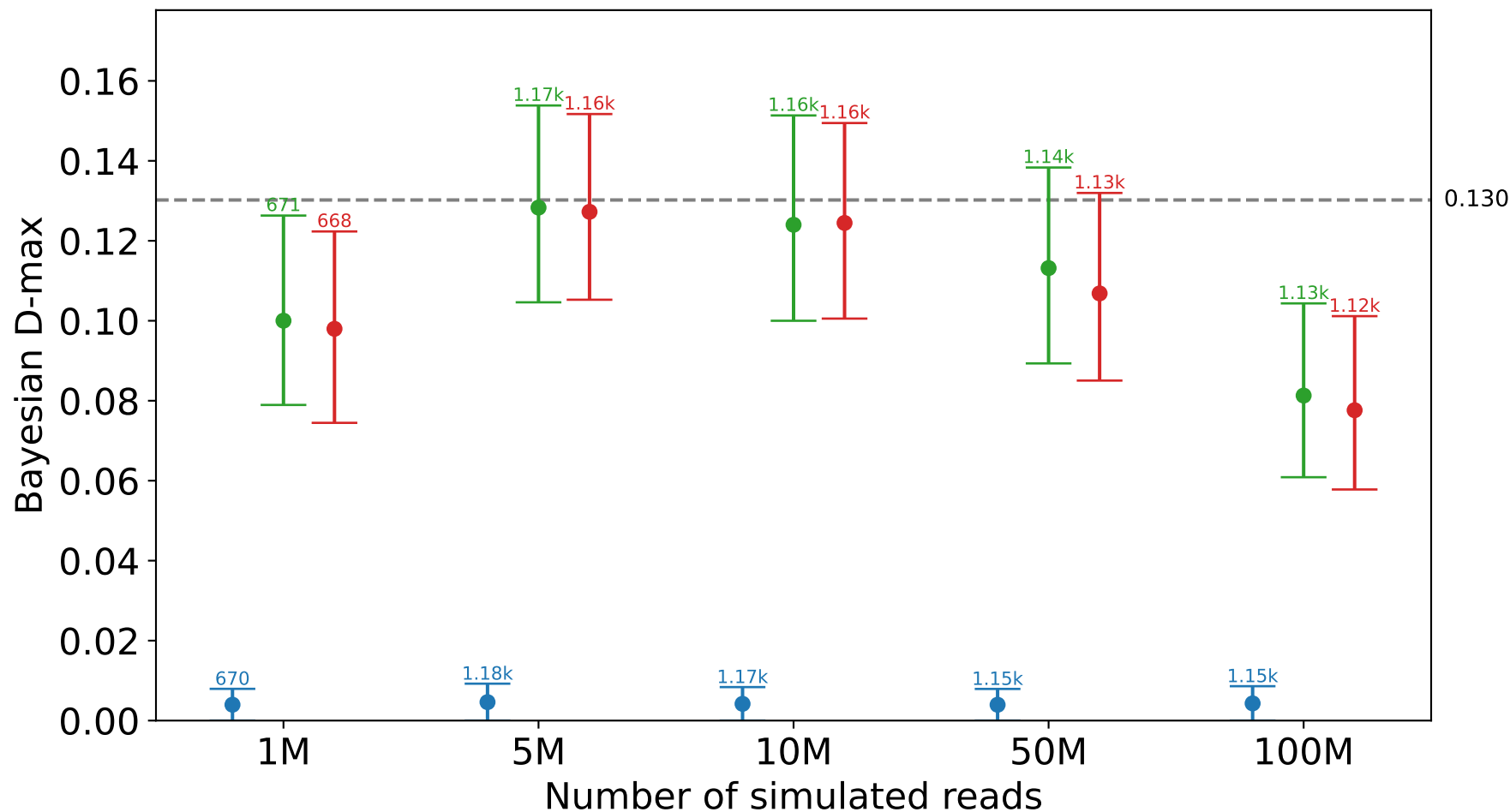
Only ancient: None

Cave-22, Tax ID: 130857  
s\_\_Micromonospora pattaloongensis



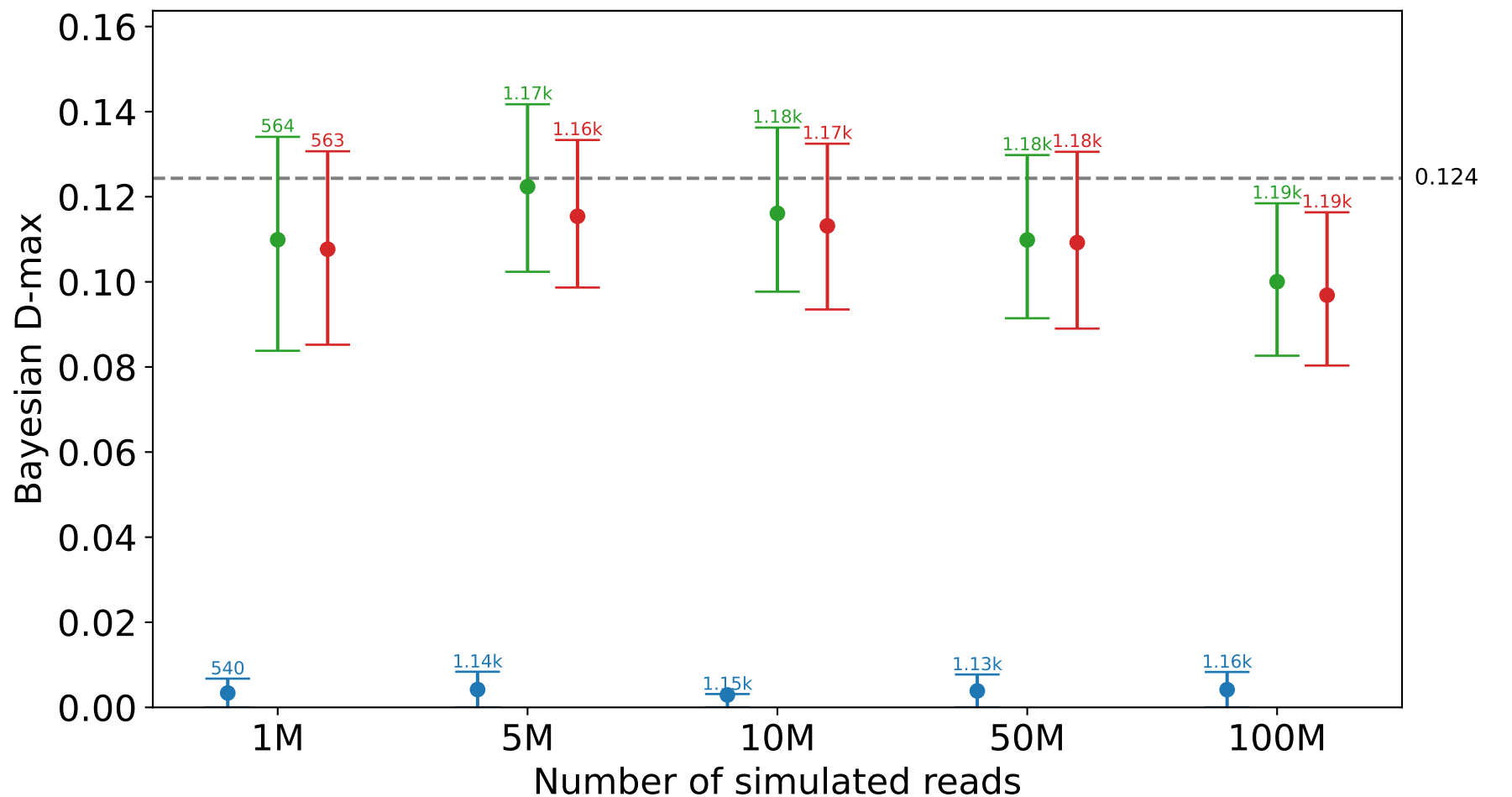
Only ancient: True

# Cave-22, Tax ID: 117147 s\_\_Arthrobacter\_A alpinus



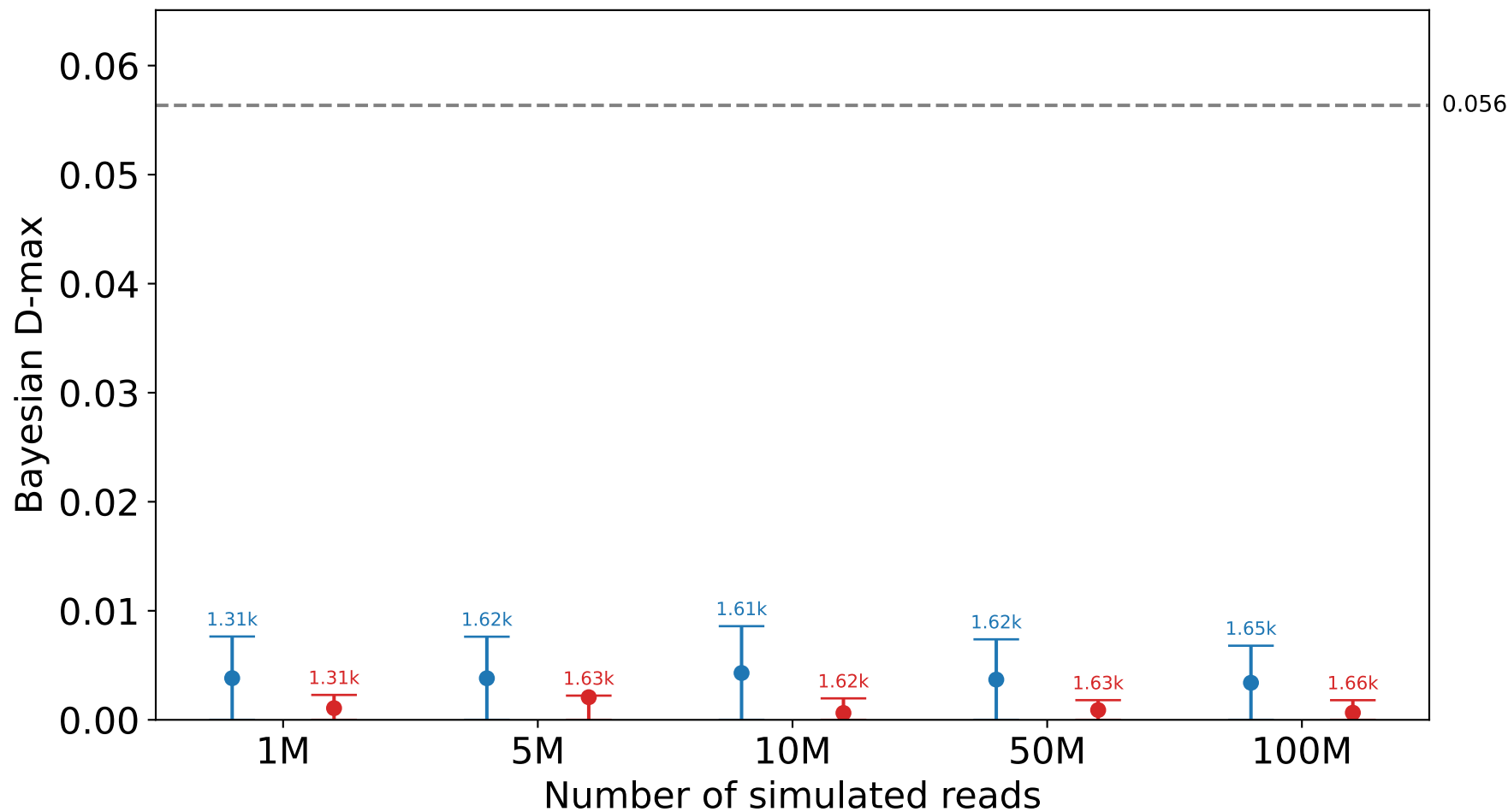
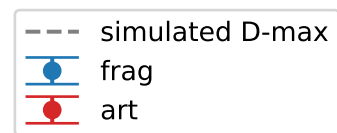
Only ancient: True

# Cave-22, Tax ID: 96147 s\_Rhodococcus globerula



Only ancient: None

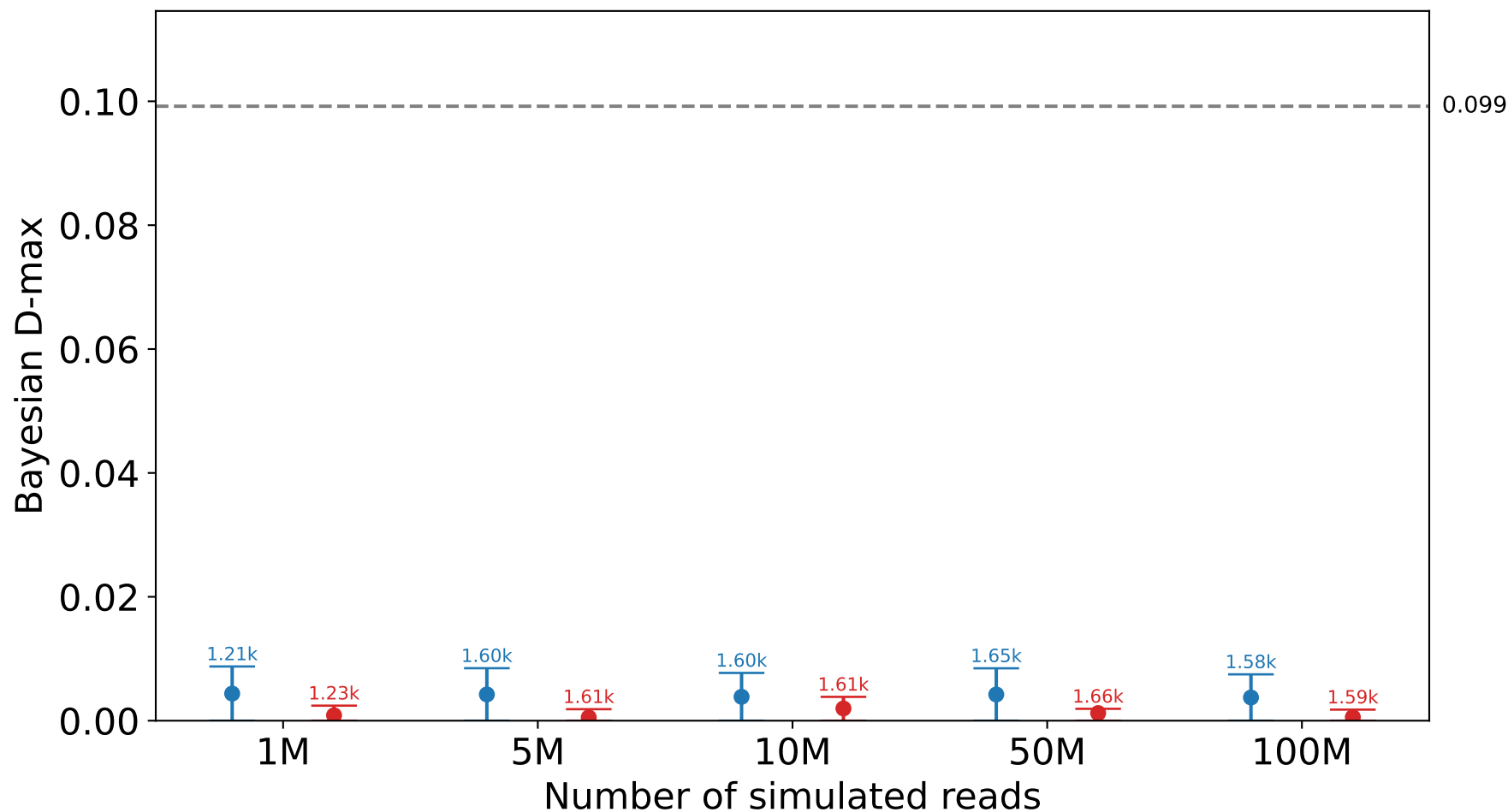
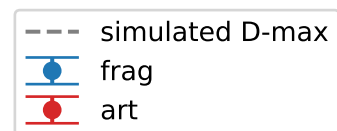
# Cave-22, Tax ID: 124001 s\_Sphingomonas gilva





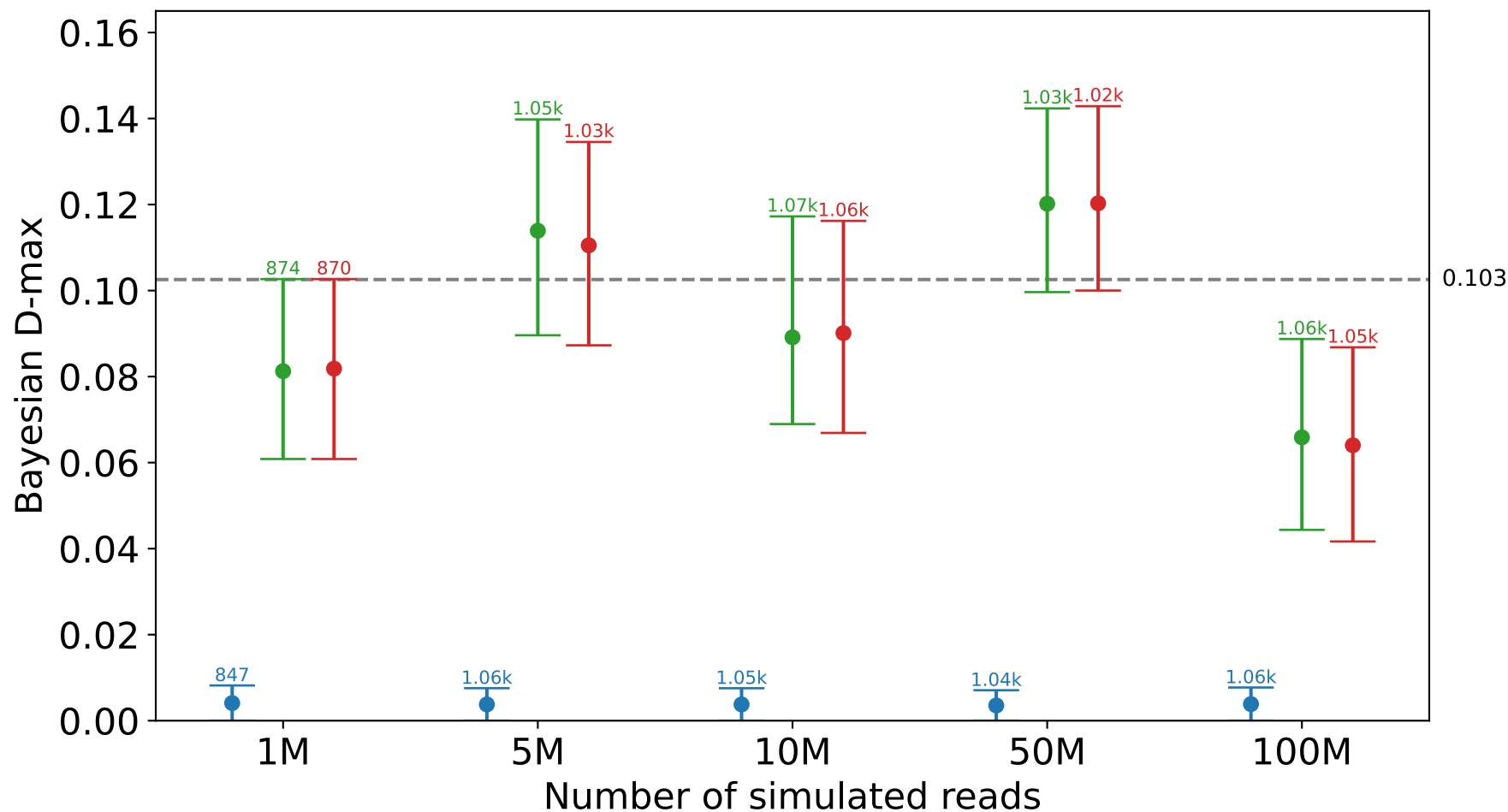
Only ancient: None

# Cave-22, Tax ID: 104921 s\_Microbacterium murale



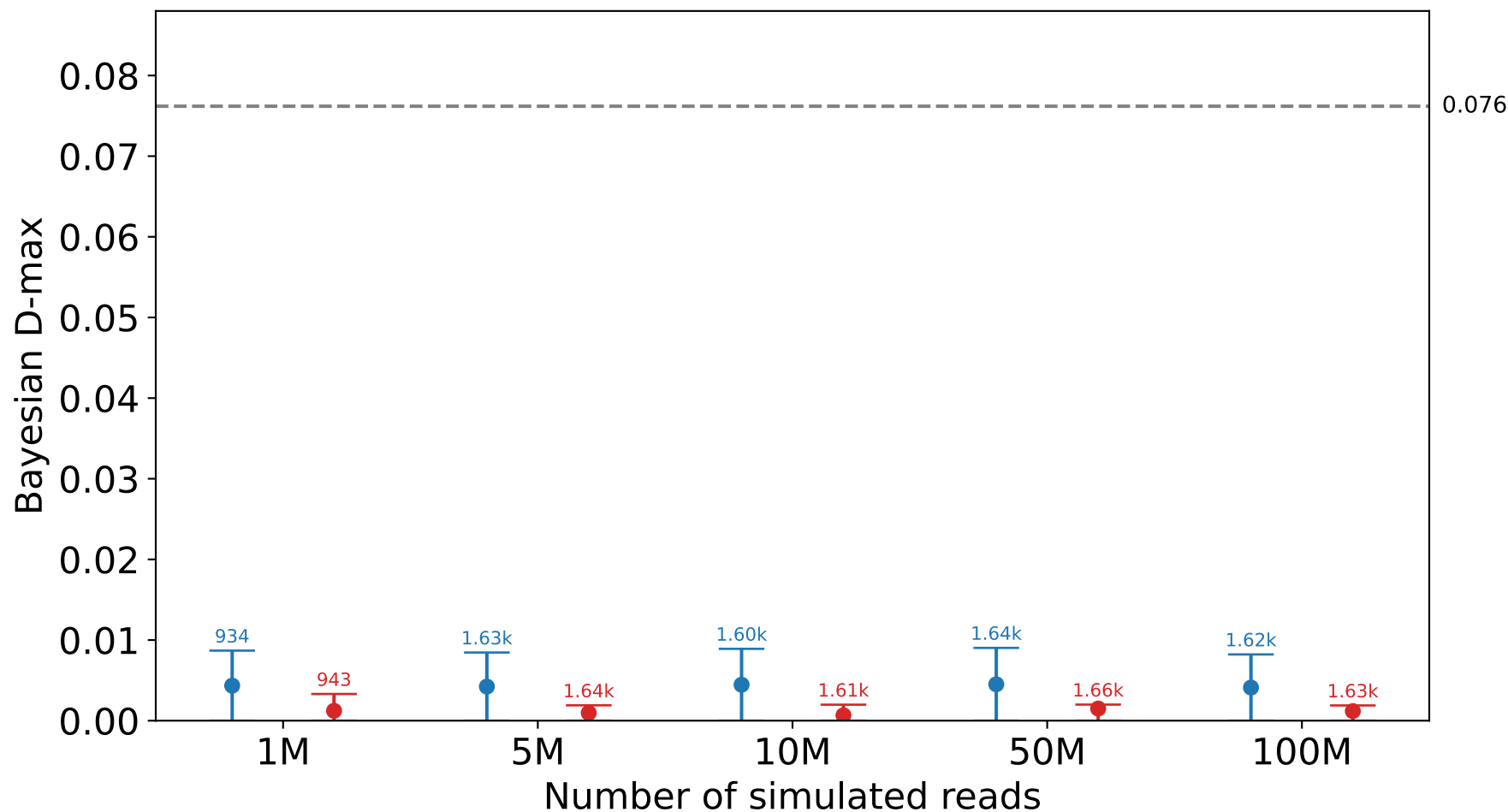
Only ancient: True

# Cave-22, Tax ID: 113209 s\_Herminiimonas arsenicoxydans



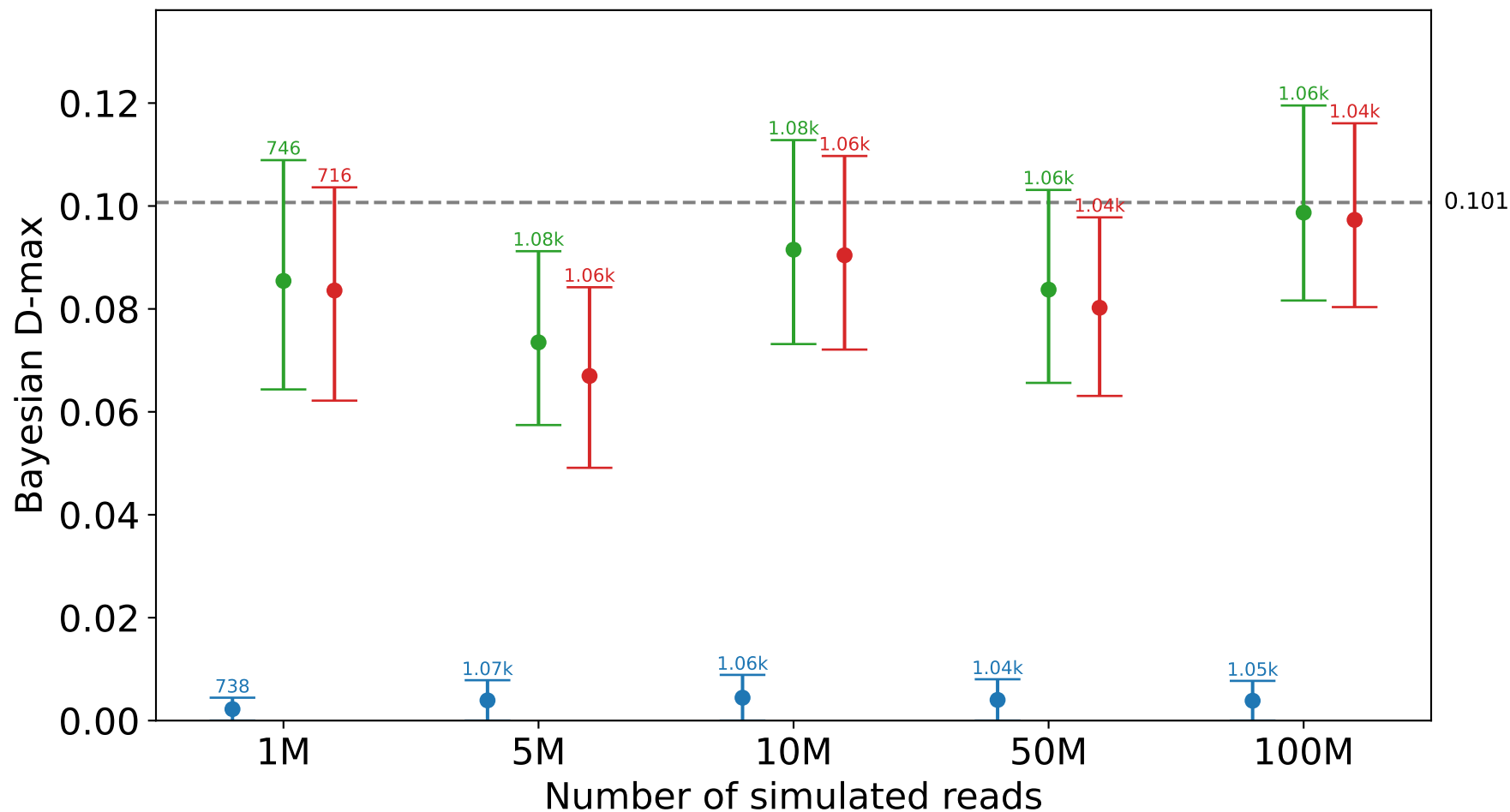
Only ancient: None

Cave-22, Tax ID: 76591  
s\_\_Bradyrhizobium sp001464035



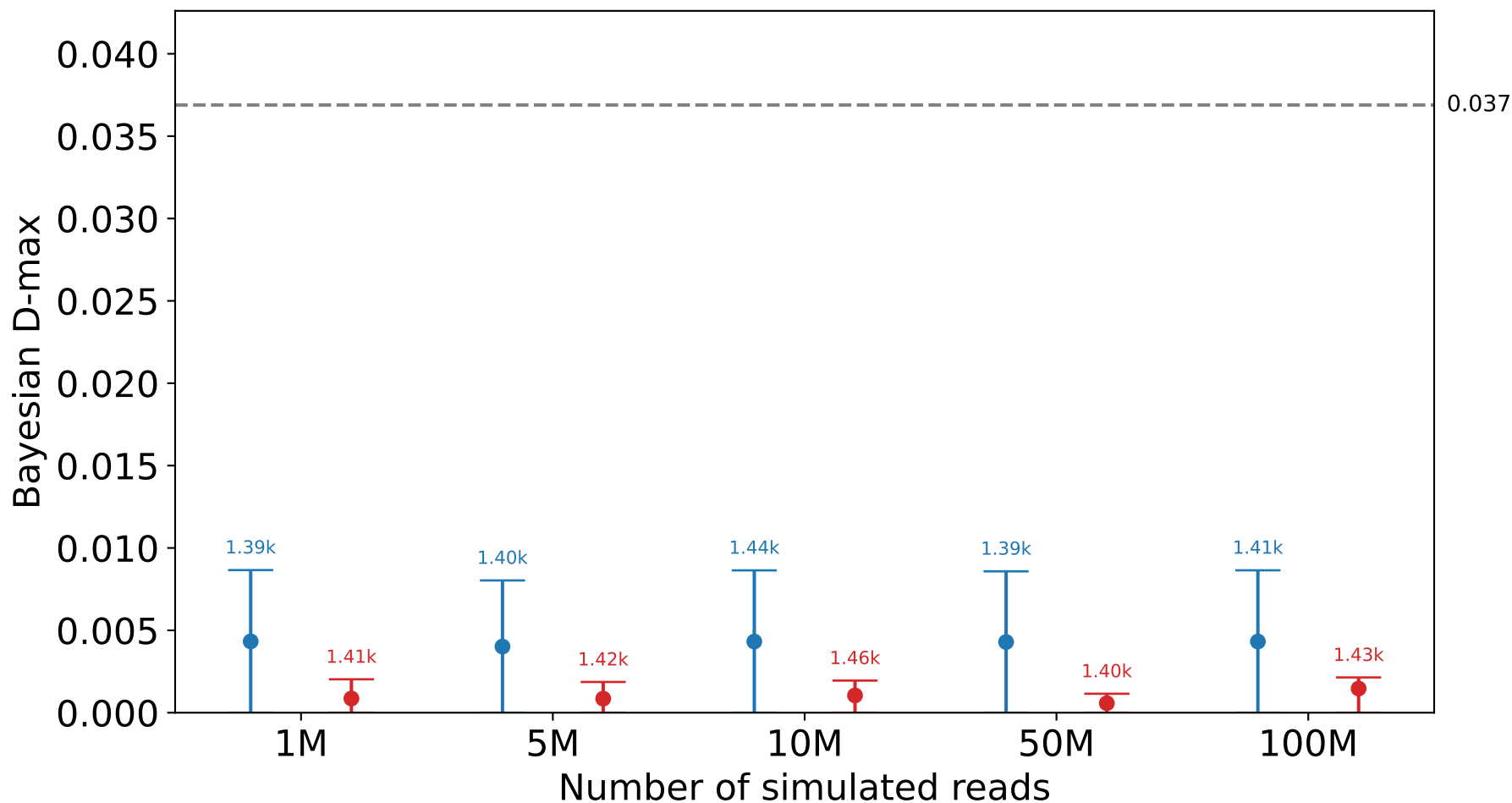
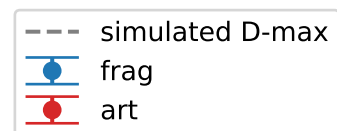
Only ancient: True

# Cave-22, Tax ID: 117831 s\_\_Devosia psychrophila



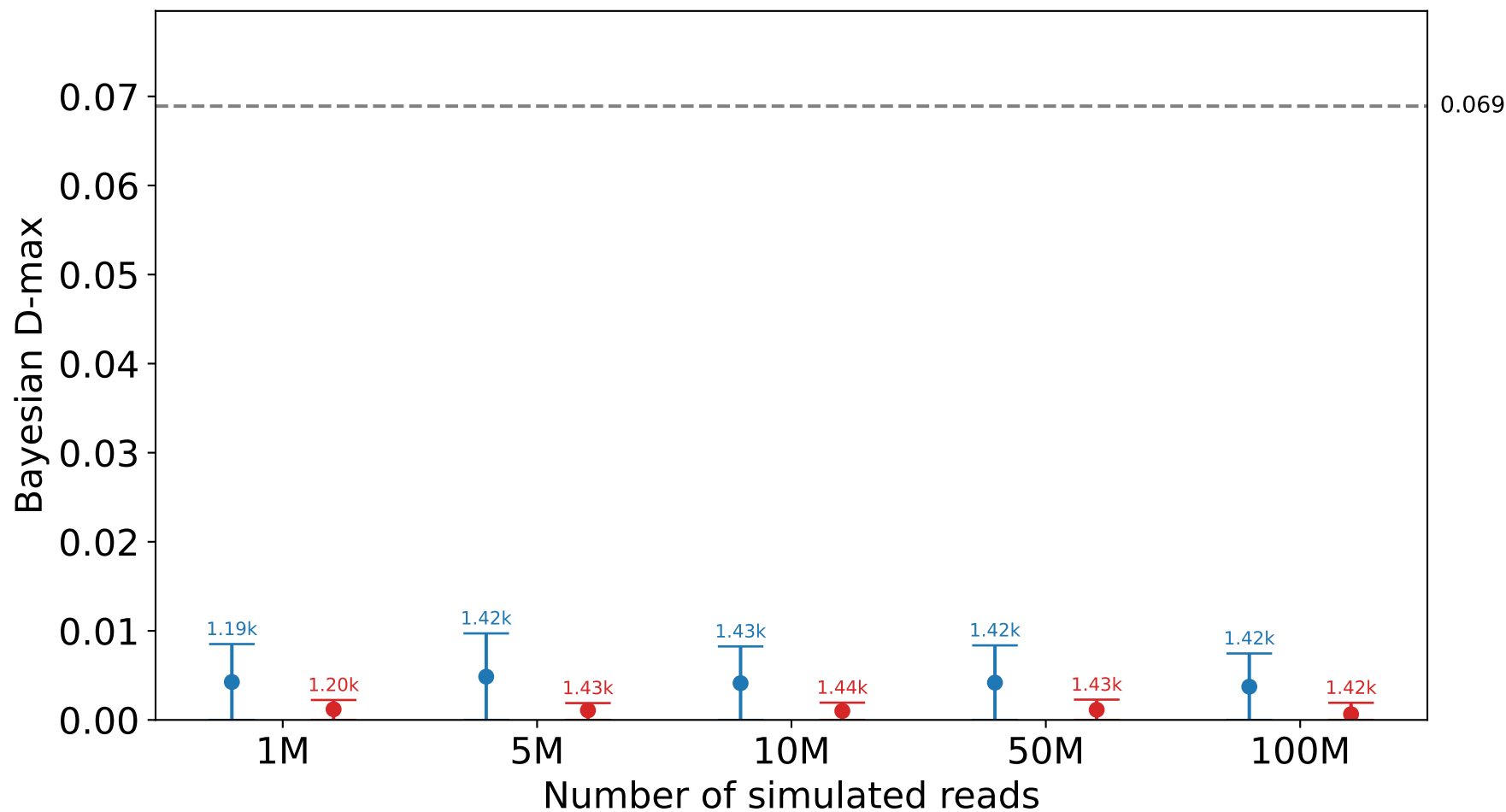
Only ancient: None

# Cave-22, Tax ID: 125617 s\_\_Luteimonas arsenica



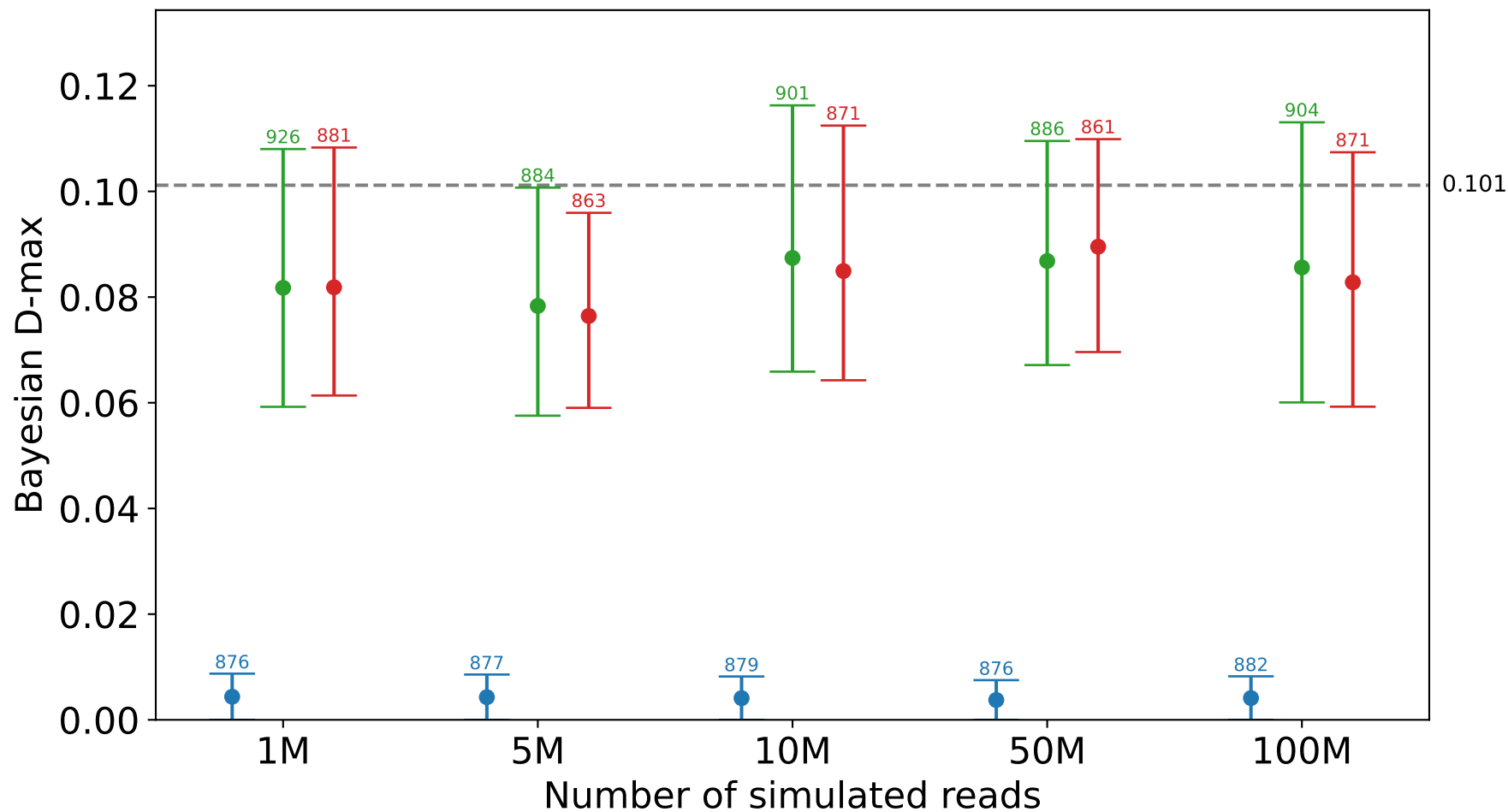
Only ancient: None

# Cave-22, Tax ID: 129117 s\_Cellulomonas fimi\_A



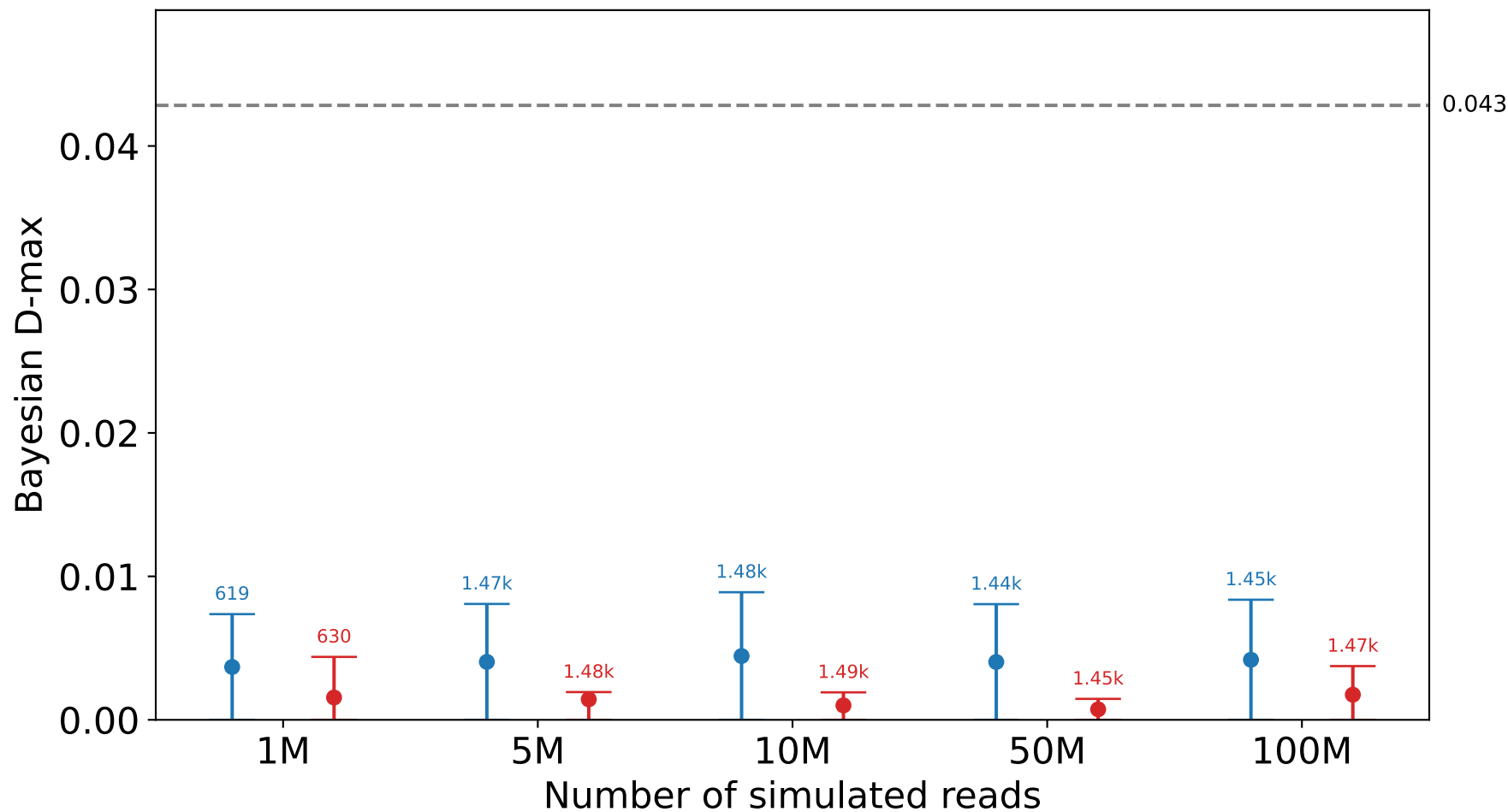
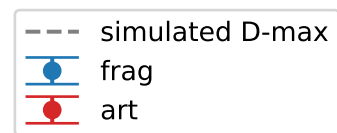
Only ancient: True

Cave-22, Tax ID: 104273  
s\_\_Allosphingosinicella sp013816585



Only ancient: None

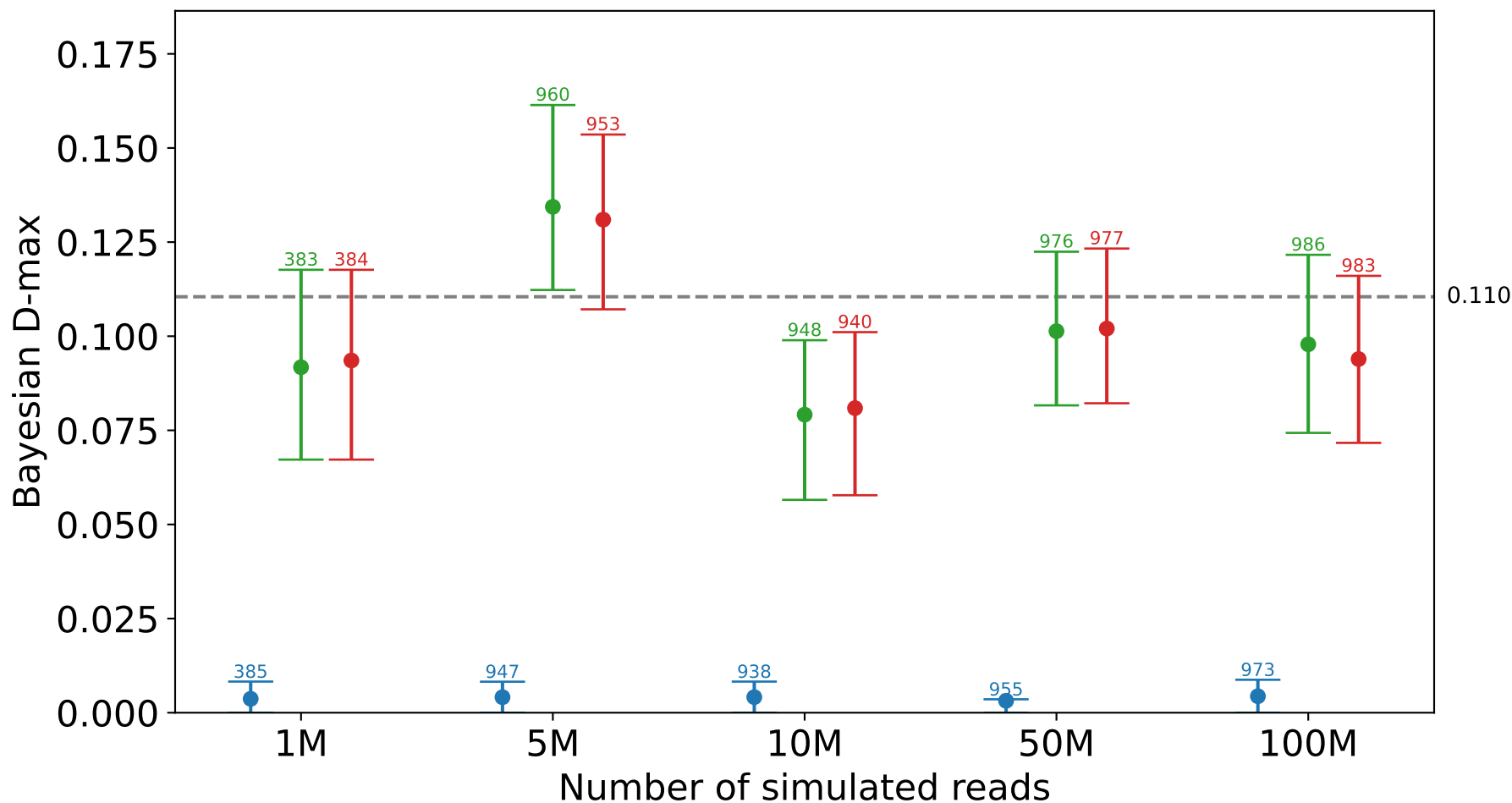
# Cave-22, Tax ID: 126632 s\_Spirillospora hallensis





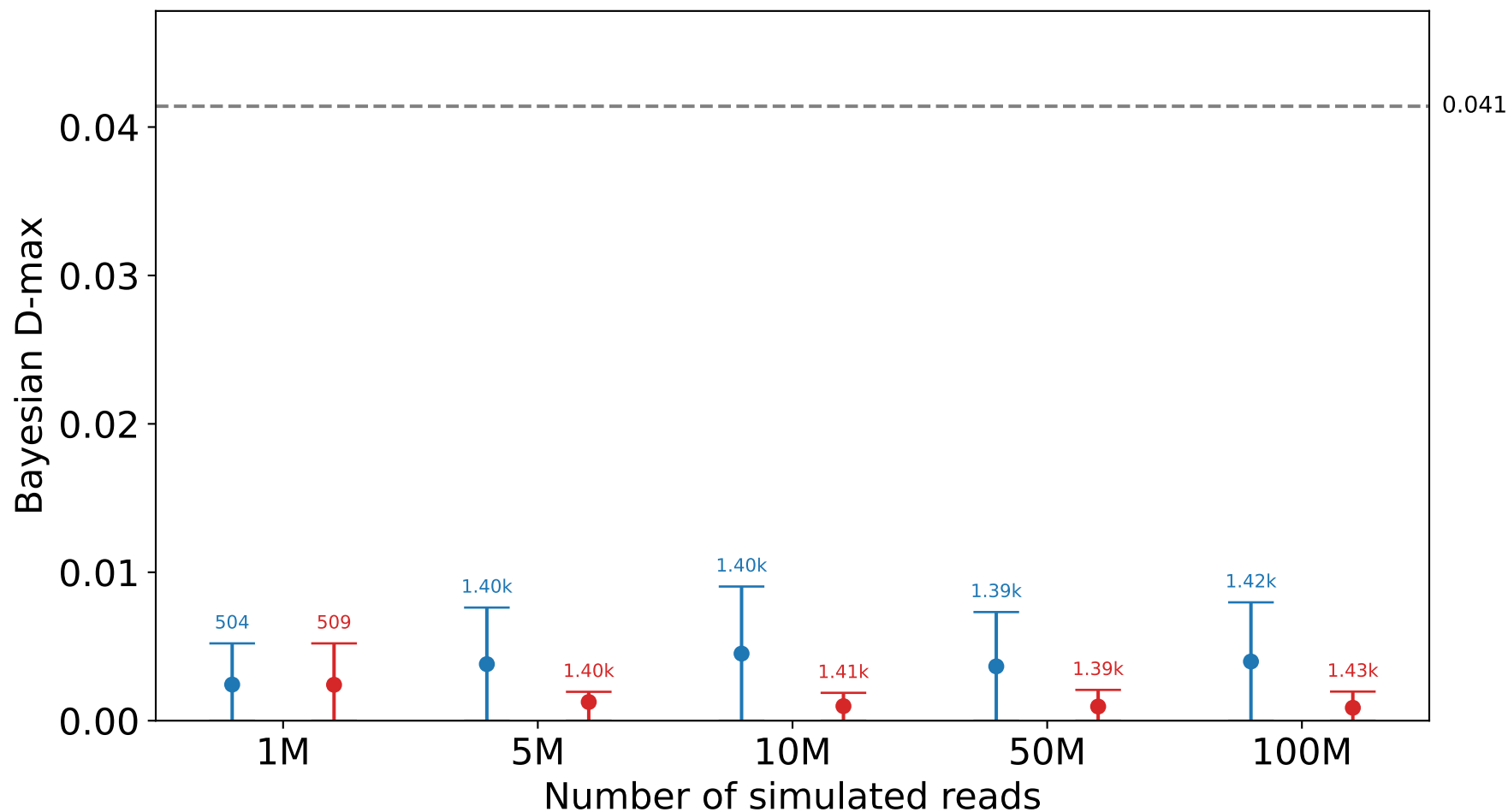
Only ancient: True

Cave-22, Tax ID: 126382  
s\_\_Rhodococcus sp005938745



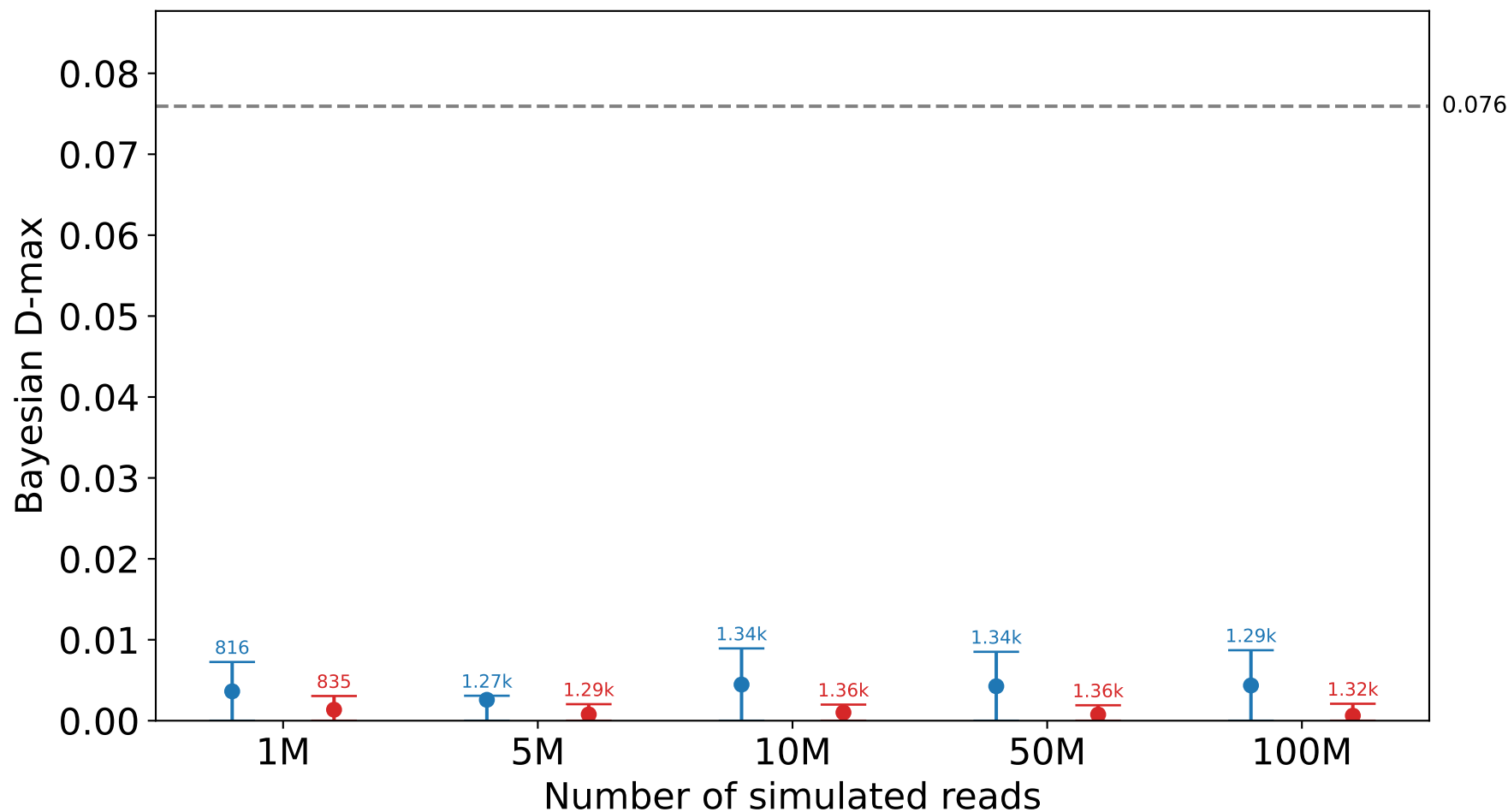
Only ancient: None

Cave-22, Tax ID: 126900  
s\_Kitasatospora atroaurantiaca



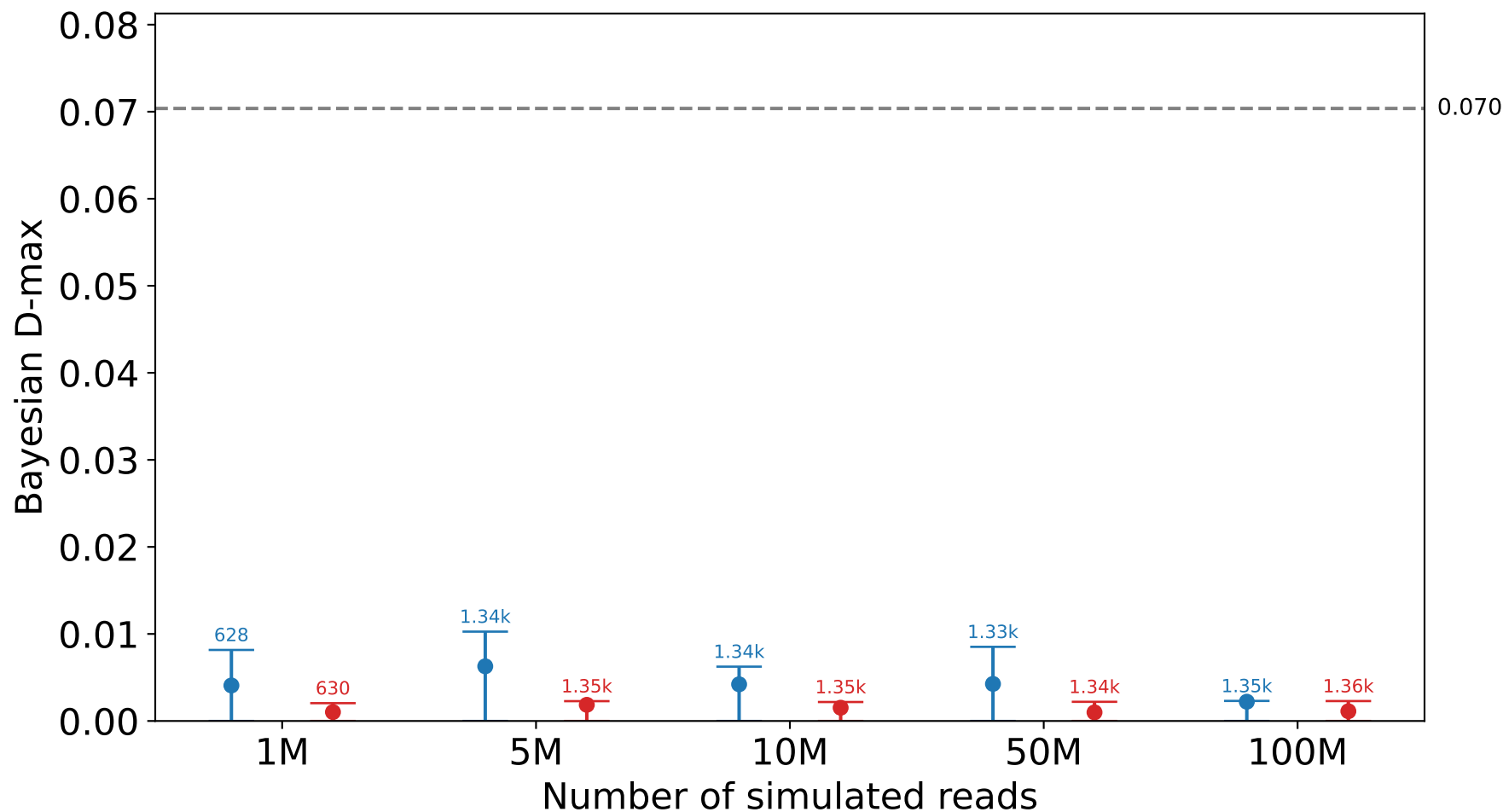
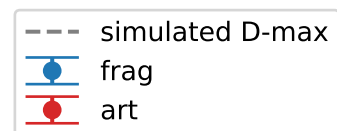
Only ancient: None

Cave-22, Tax ID: 131231  
s\_\_Geodermatophilus dictyosporus



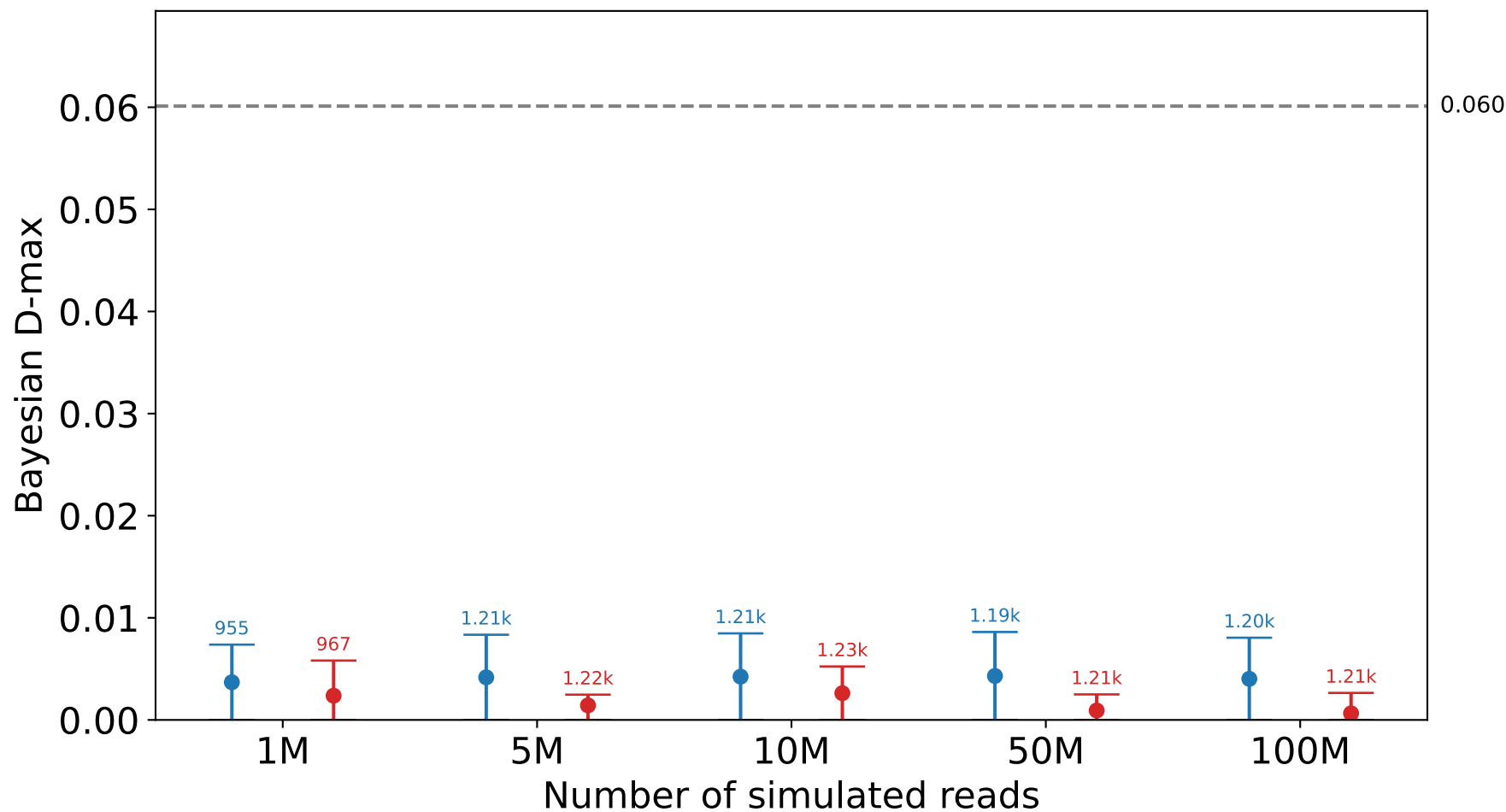
Only ancient: None

# Cave-22, Tax ID: 123721 s\_Bosea caraganae



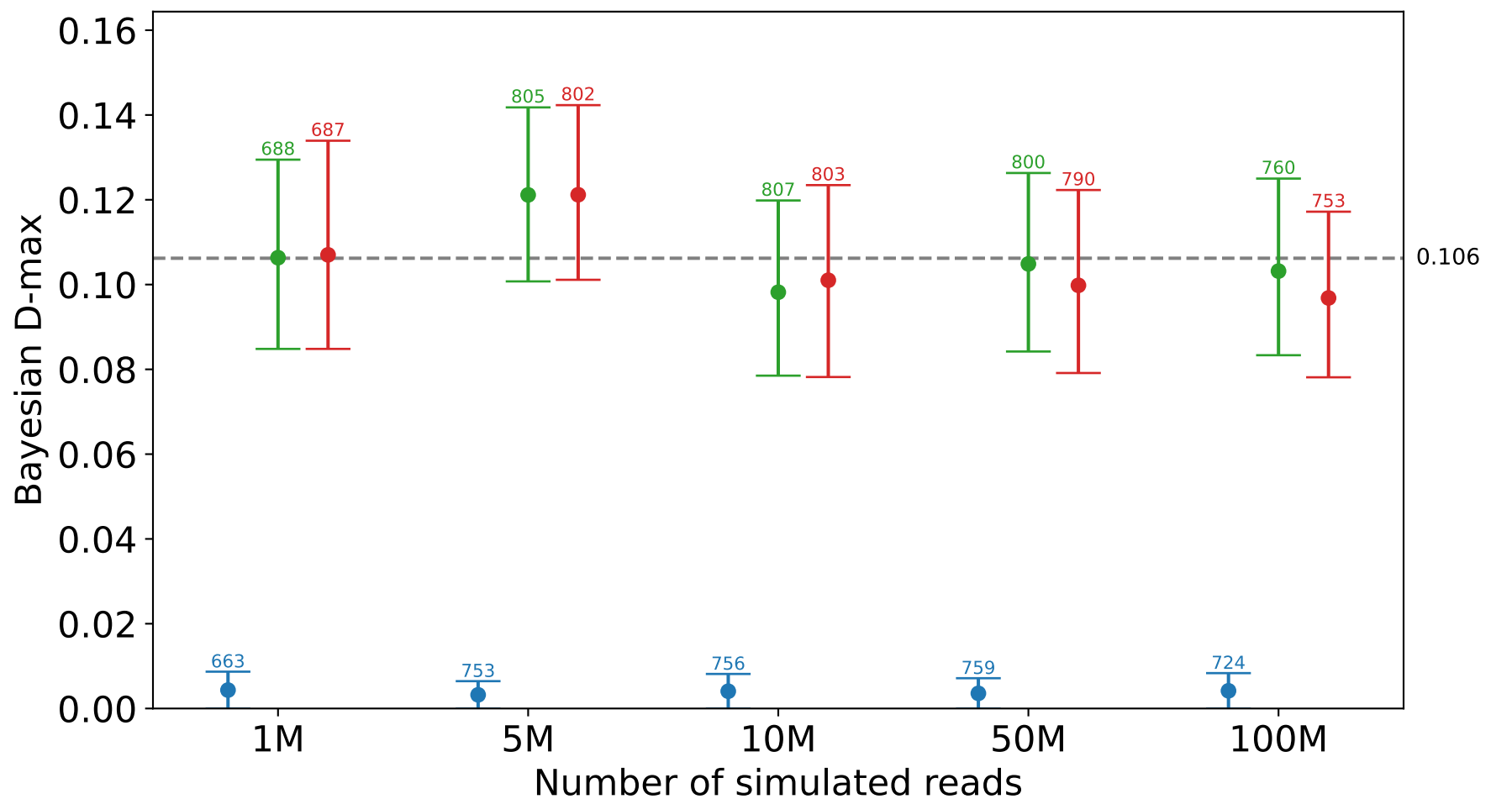
Only ancient: None

Cave-22, Tax ID: 126965  
s\_\_Arthrobacter\_I sp007858535



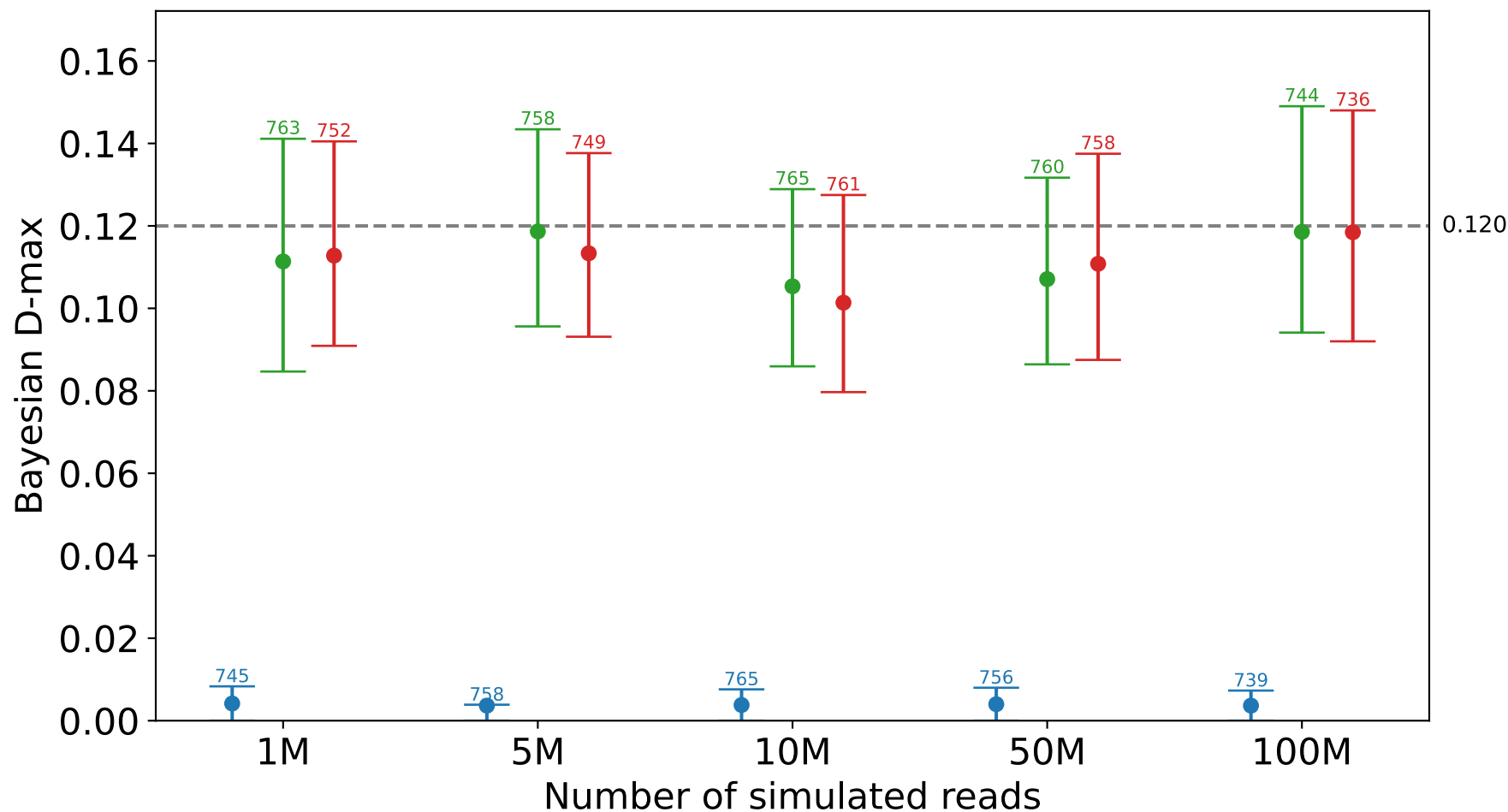
Only ancient: True

Cave-22, Tax ID: 122634  
s\_\_Brevundimonas sp002979535



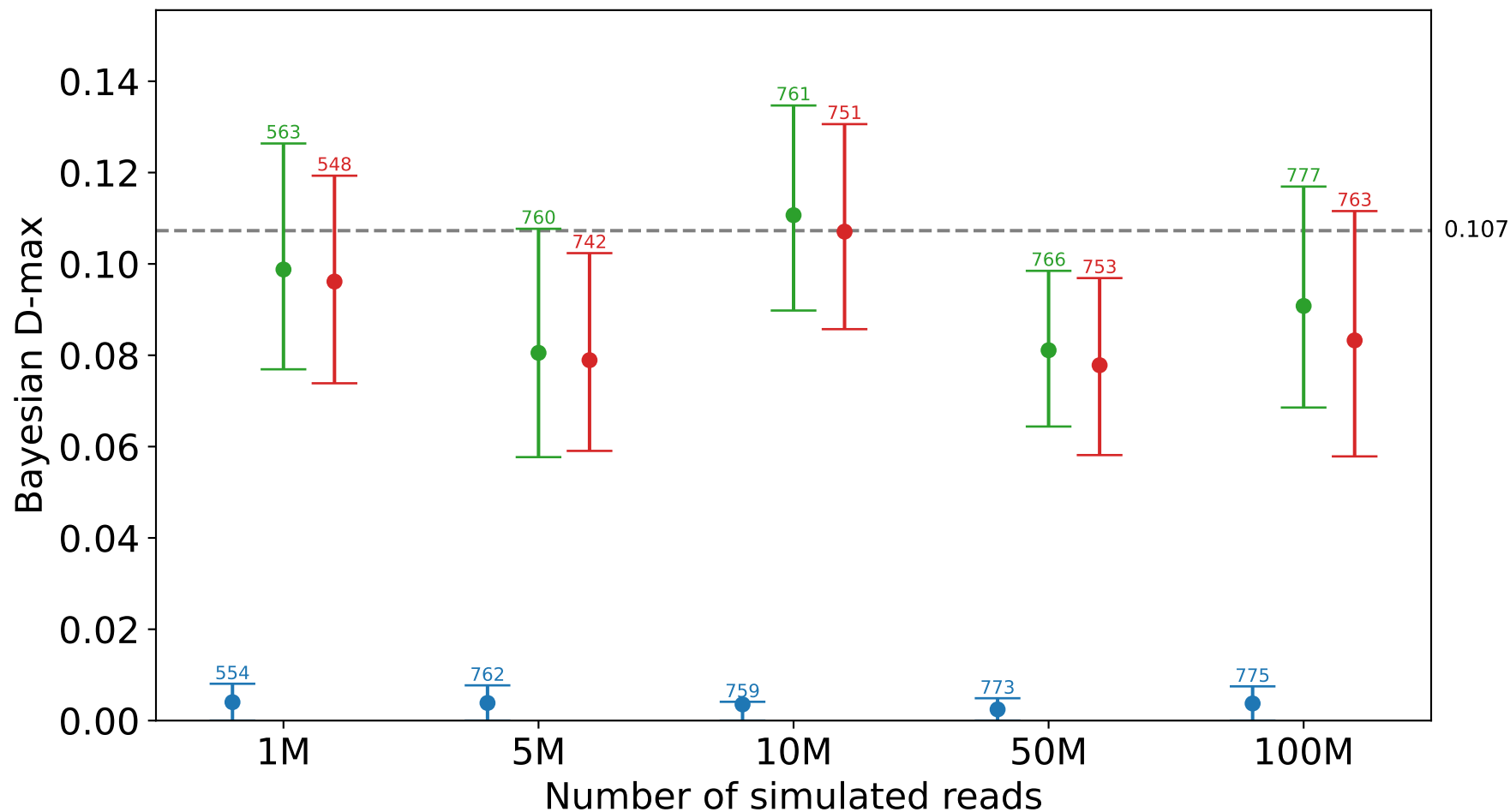
Only ancient: True

Cave-22, Tax ID: 90341  
s\_\_Brevundimonas sp003241825



Only ancient: True

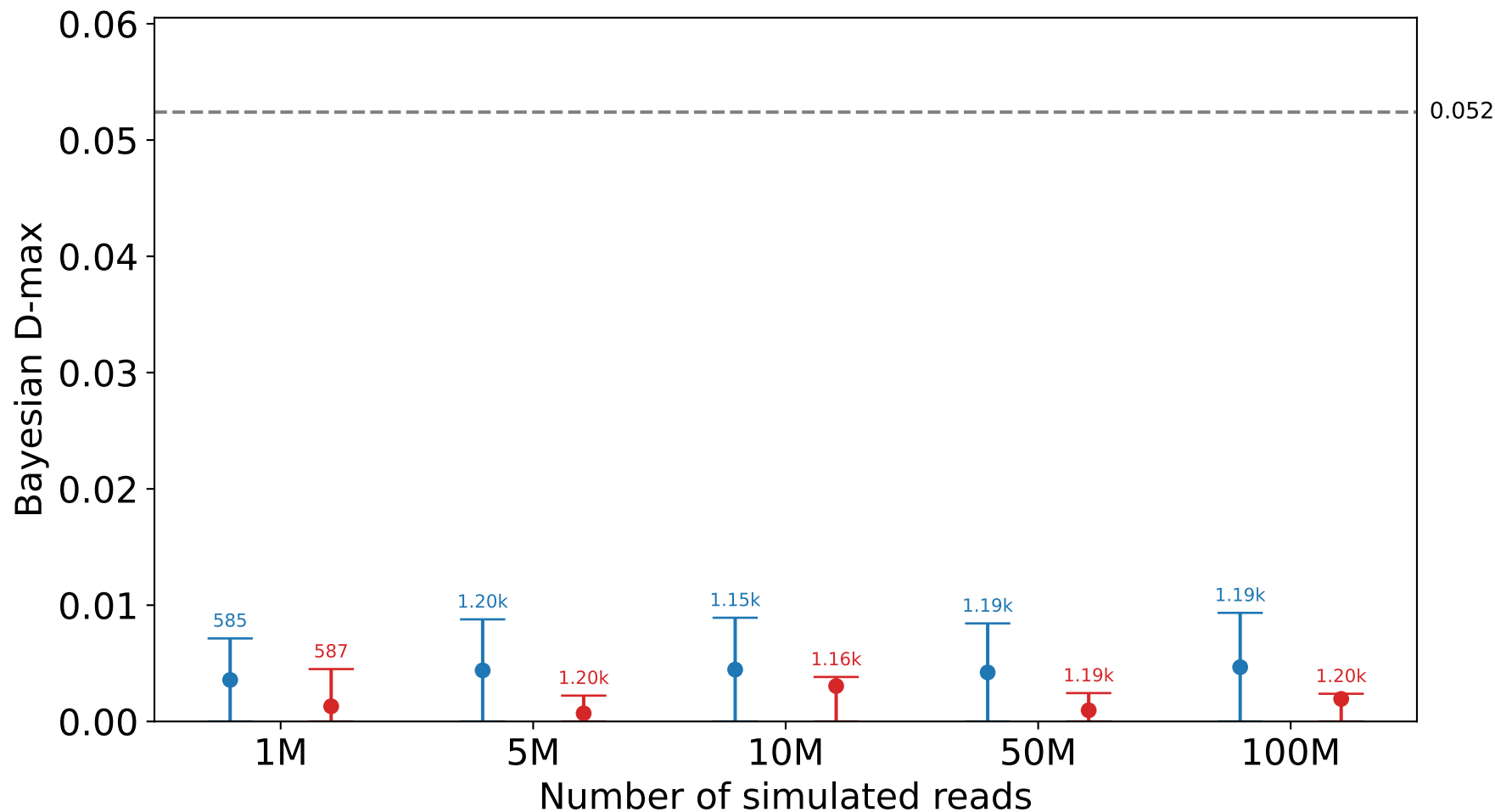
Cave-22, Tax ID: 129526  
s\_Halobaculum sp013402875





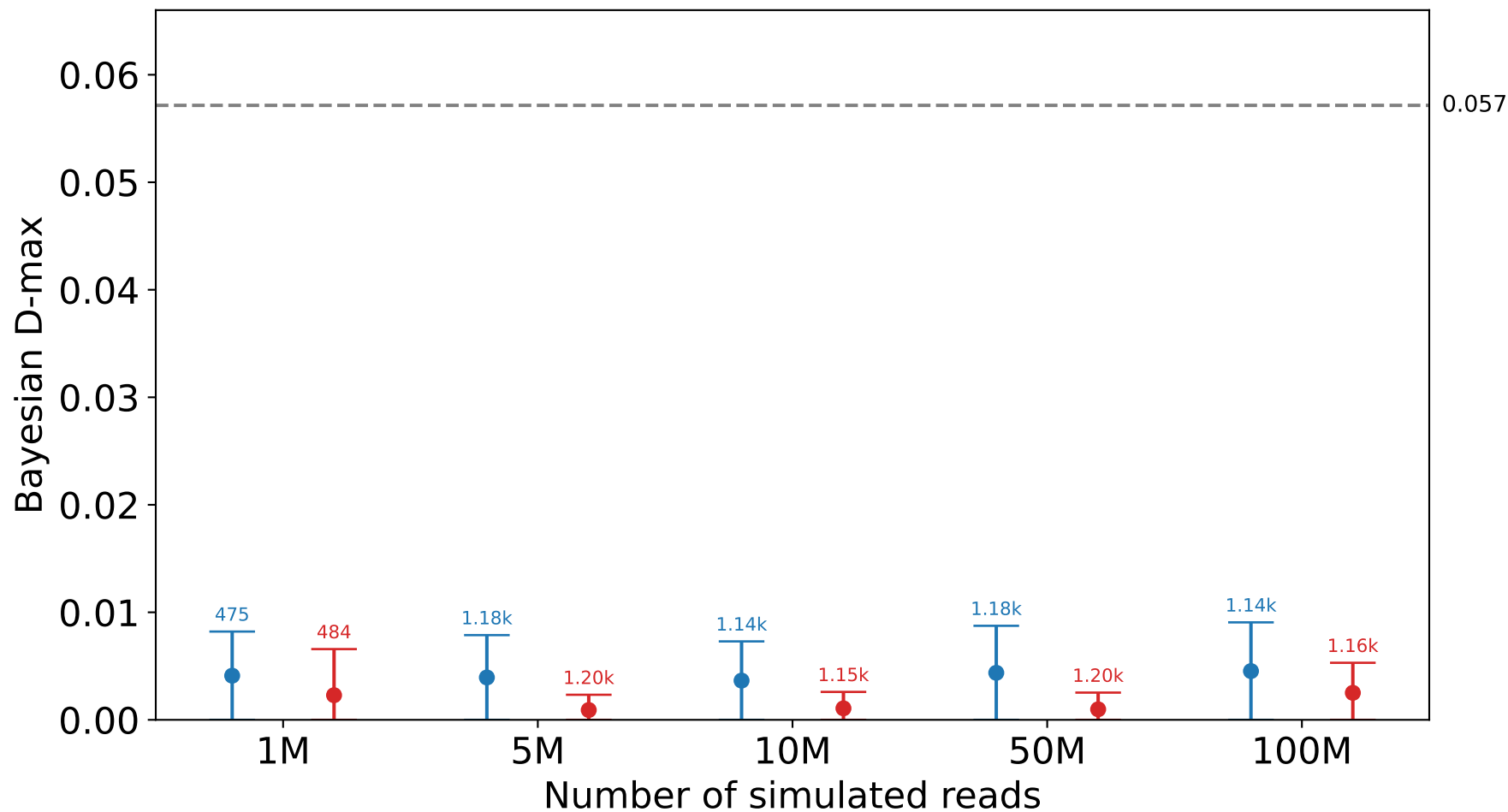
Only ancient: None

# Cave-22, Tax ID: 119643 s\_\_Nocardia harenae



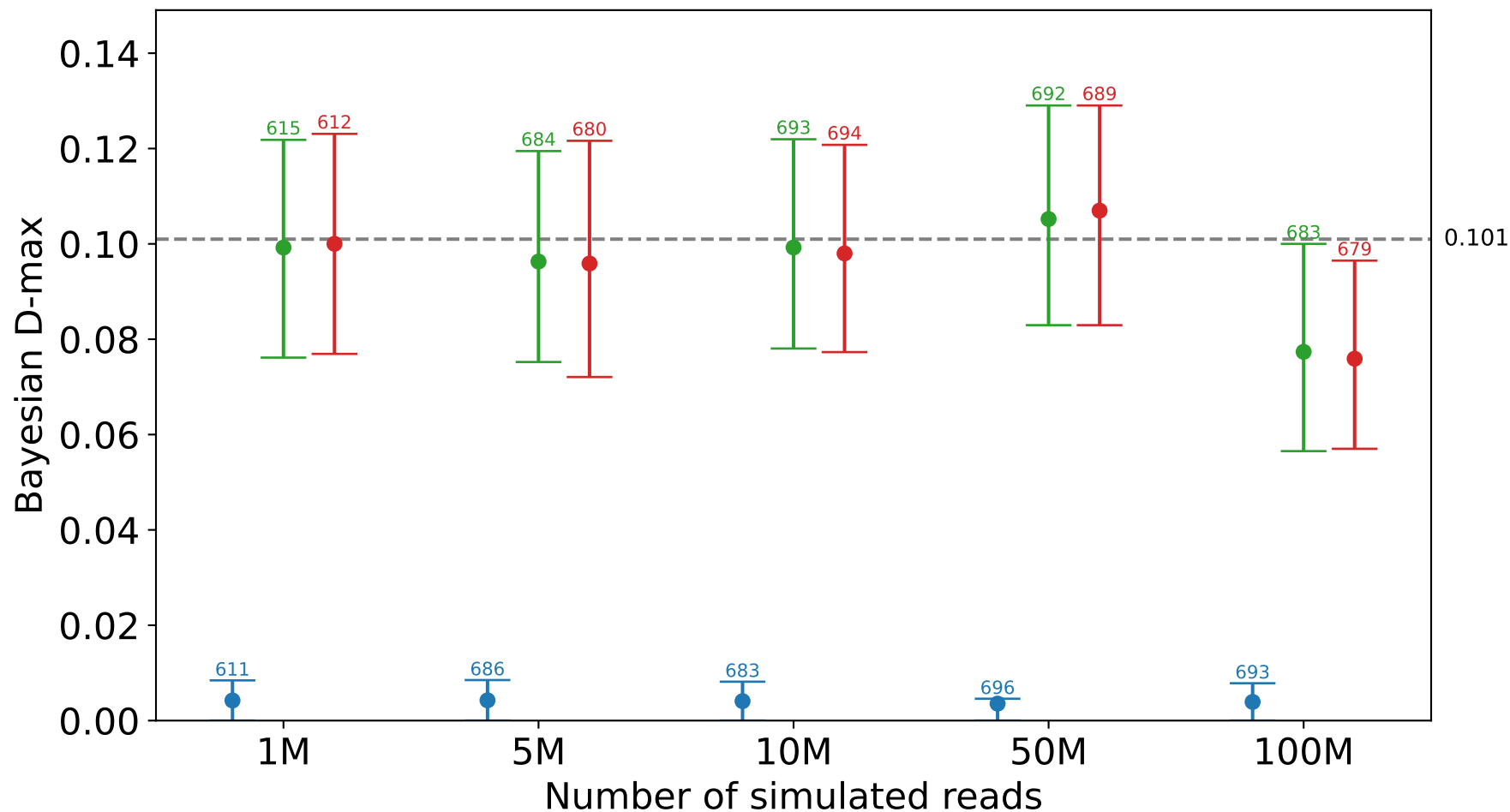
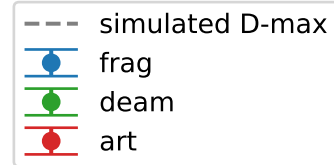
Only ancient: None

# Cave-22, Tax ID: 130639 s\_Variovorax sp900101545



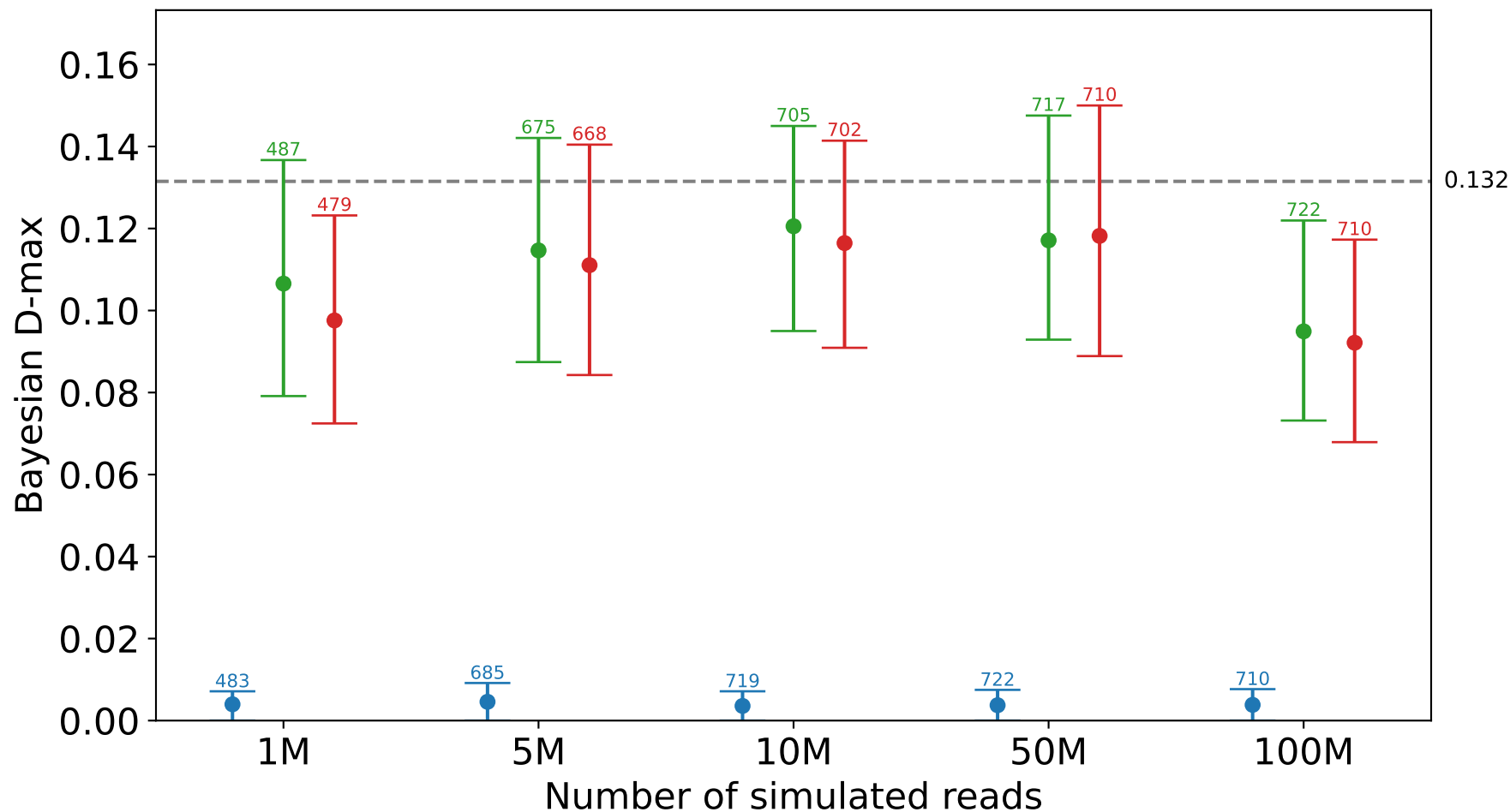
Only ancient: True

Cave-22, Tax ID: 116517  
s\_\_Microbacterium sp000685355



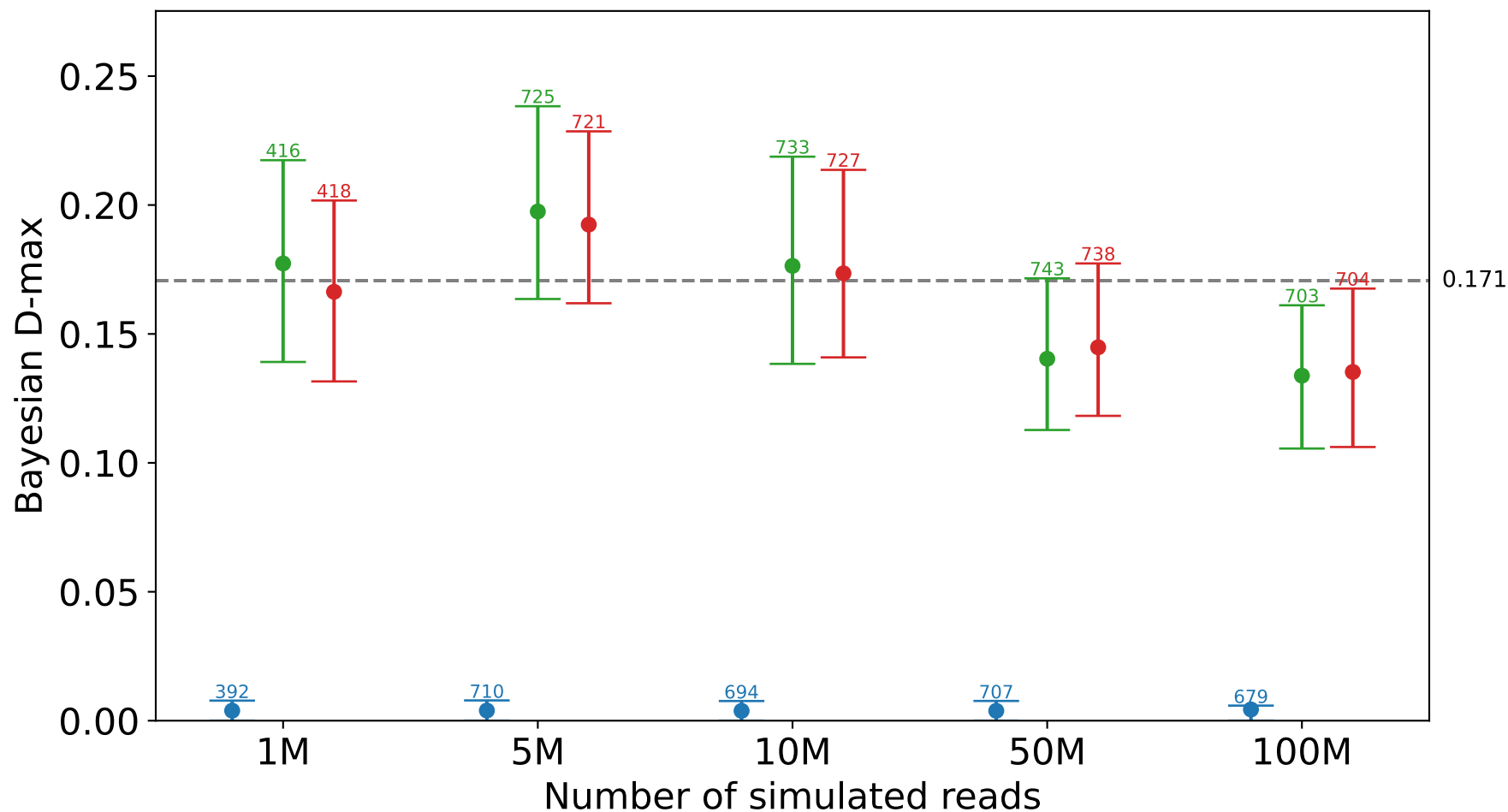
Only ancient: True

Cave-22, Tax ID: 112929  
s\_Herminiimonas sp000013625



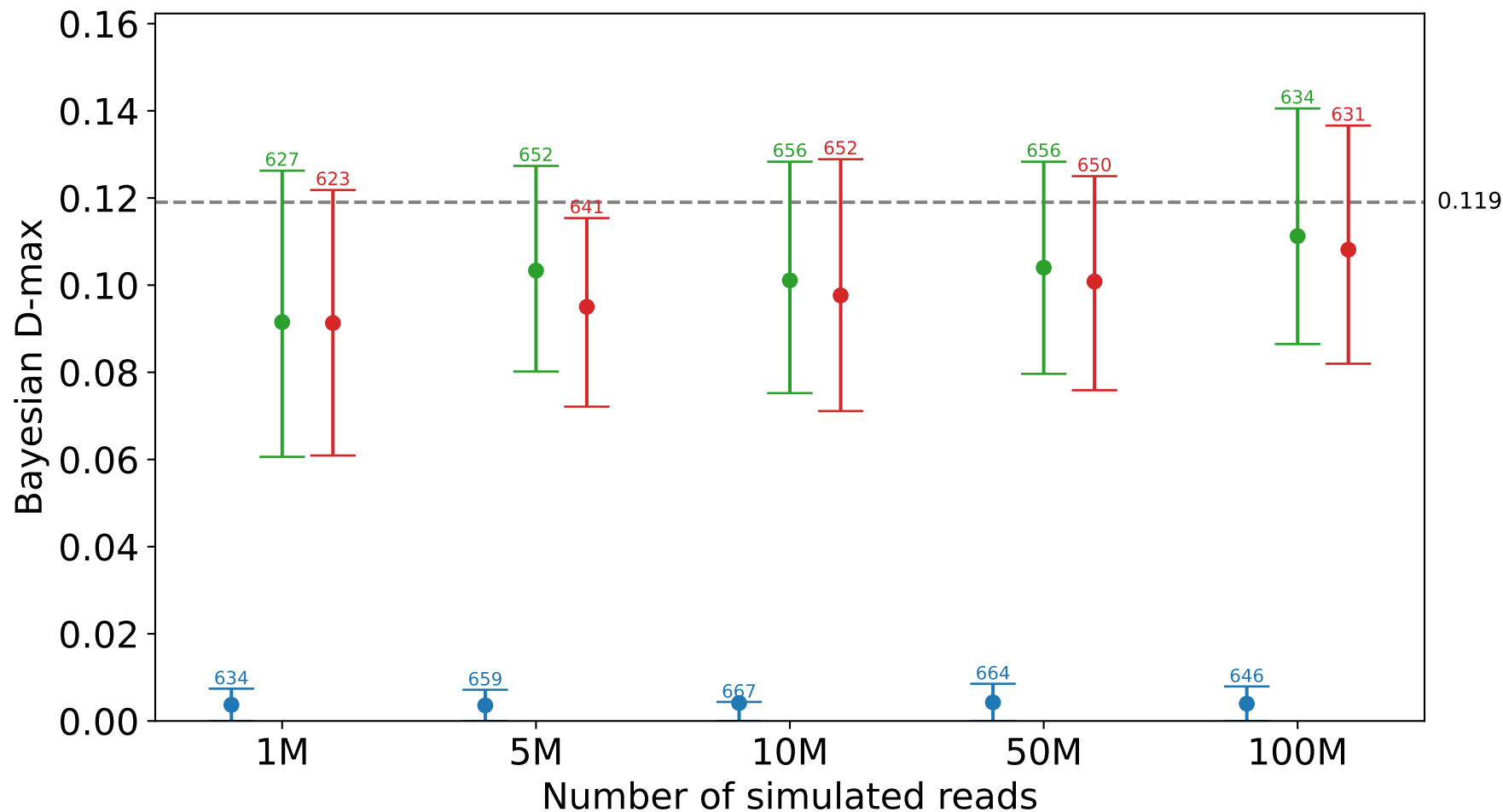
Only ancient: True

# Cave-22, Tax ID: 127636 s\_\_Pseudomonas\_E helleri\_A



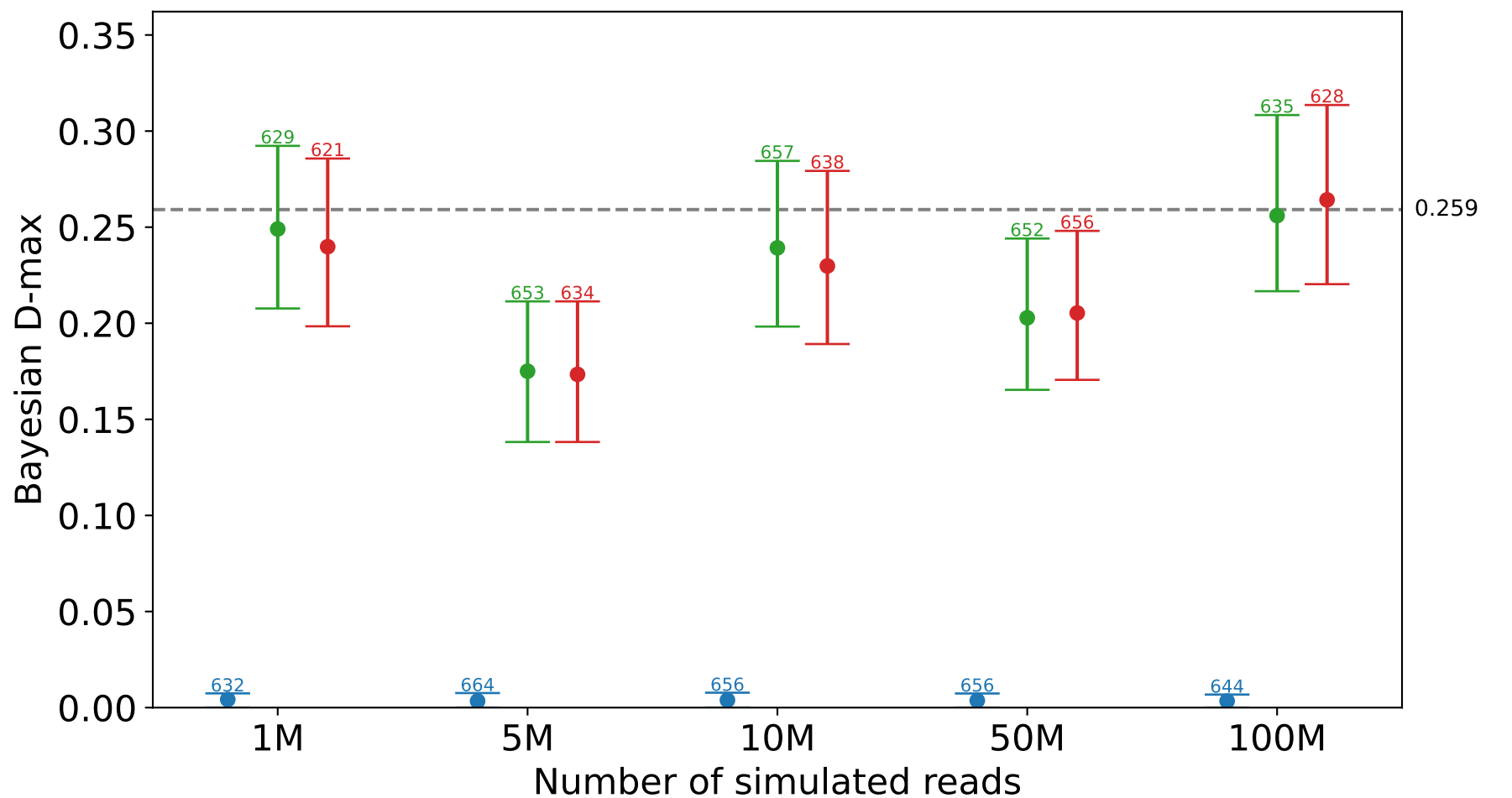
Only ancient: True

Cave-22, Tax ID: 122974  
s\_Mycetocola\_A sp003065425



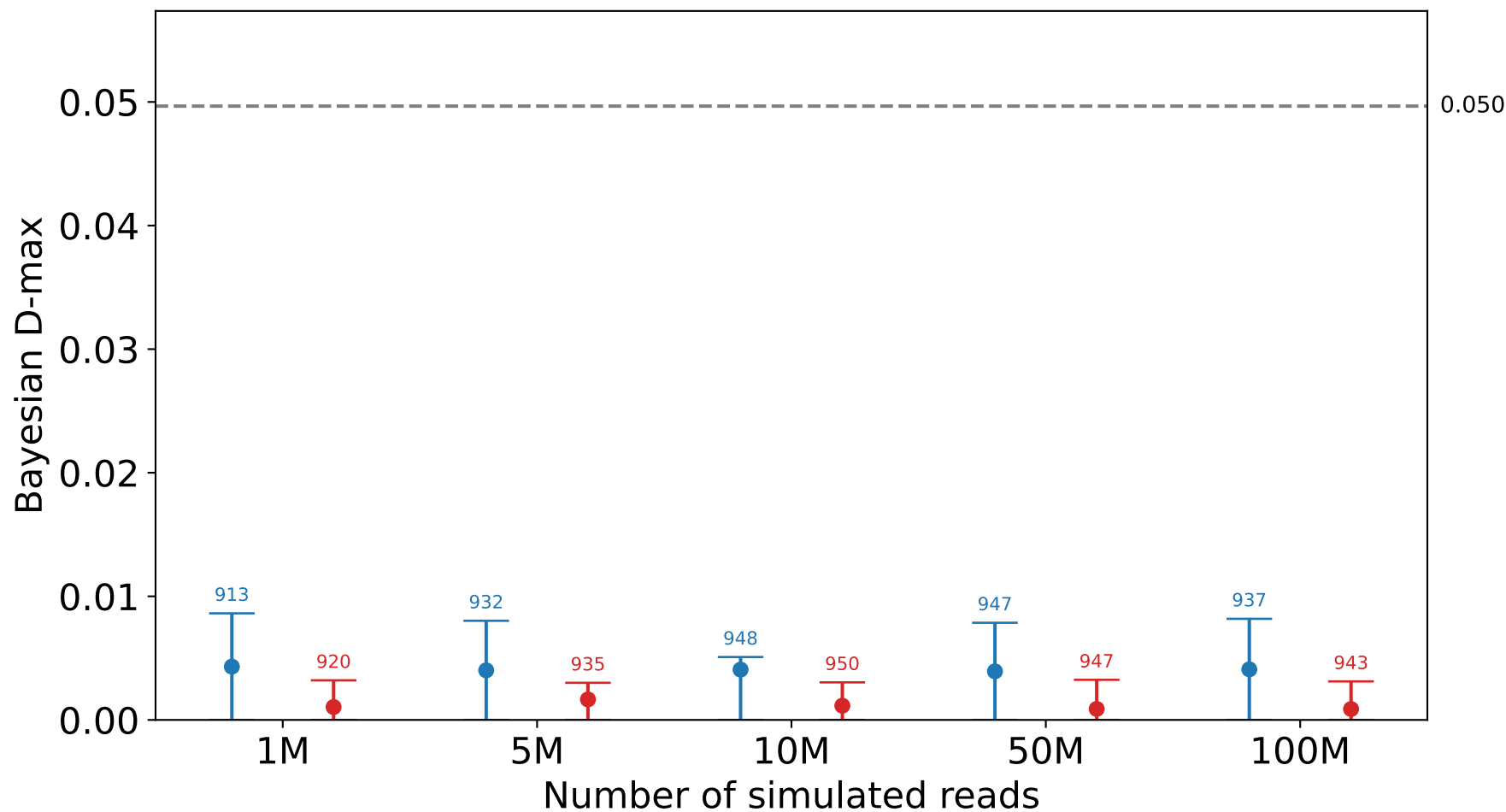
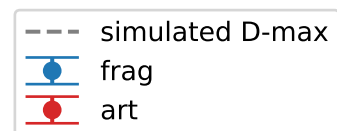
Only ancient: True

# Cave-22, Tax ID: 117955 s\_Moellerella wisconsensis



Only ancient: None

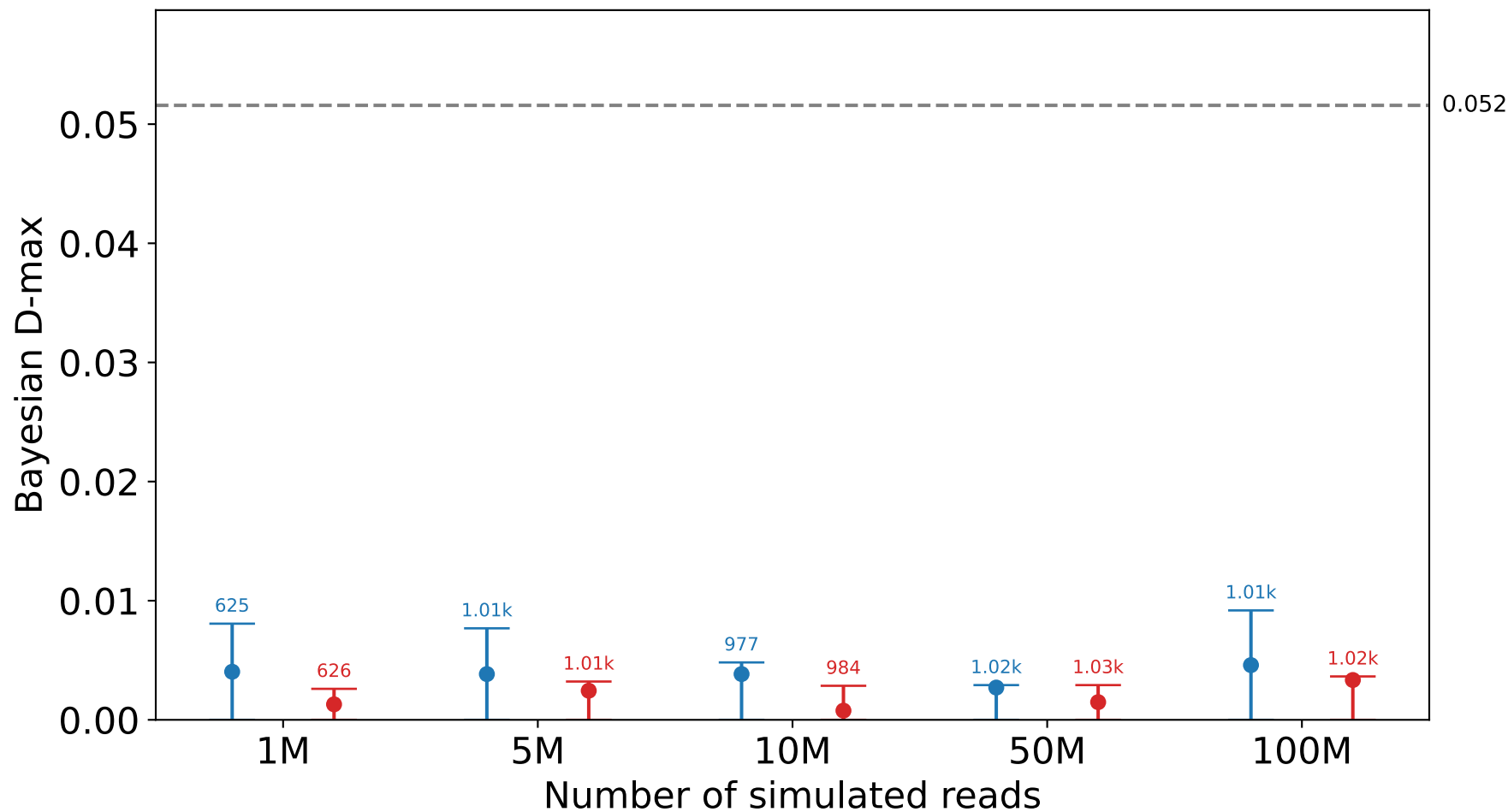
Cave-22, Tax ID: 100617  
s\_\_Sphingomicrobium sp011053295





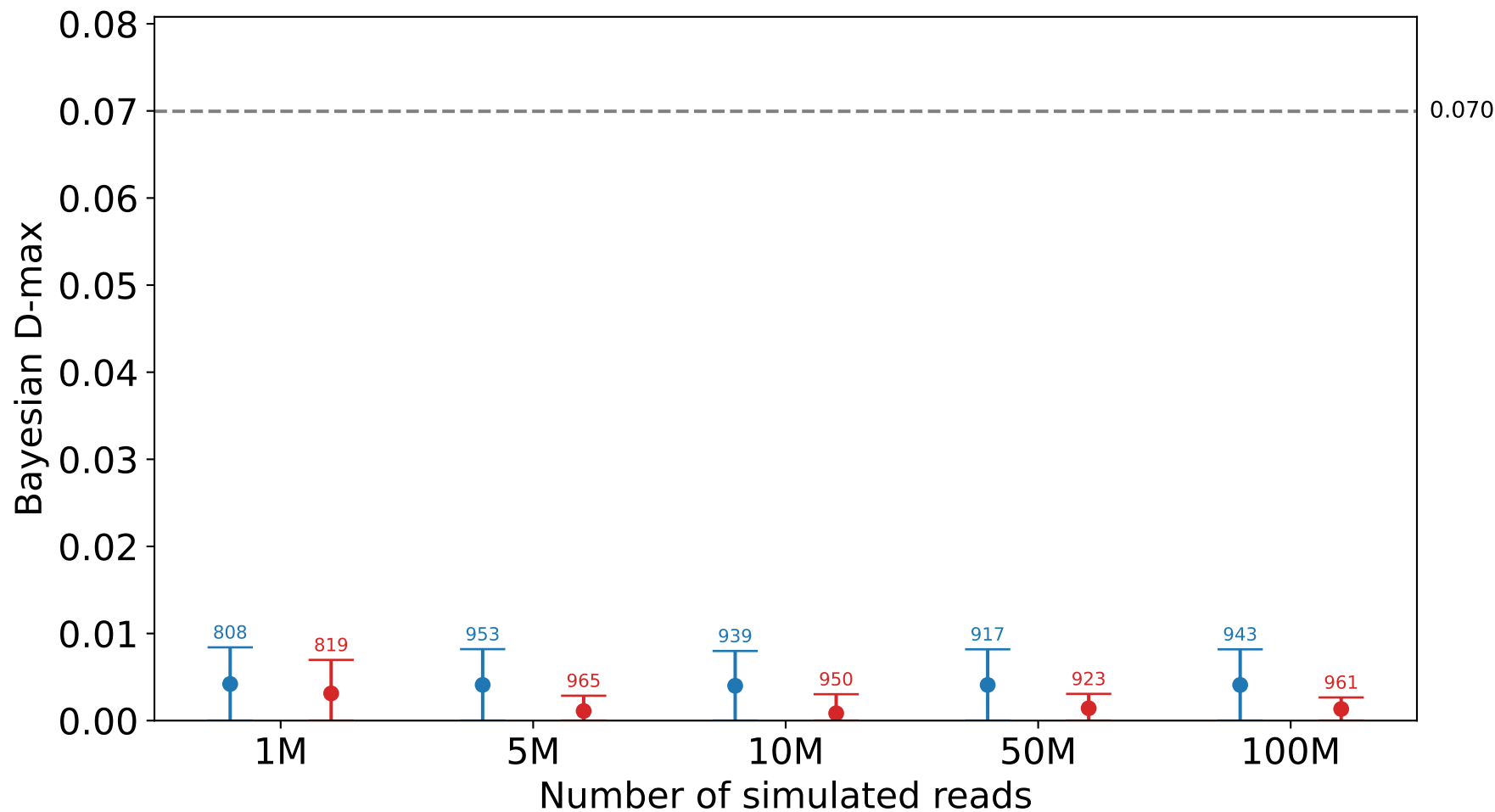
Only ancient: None

Cave-22, Tax ID: 126019  
s\_Mesorhizobium composti



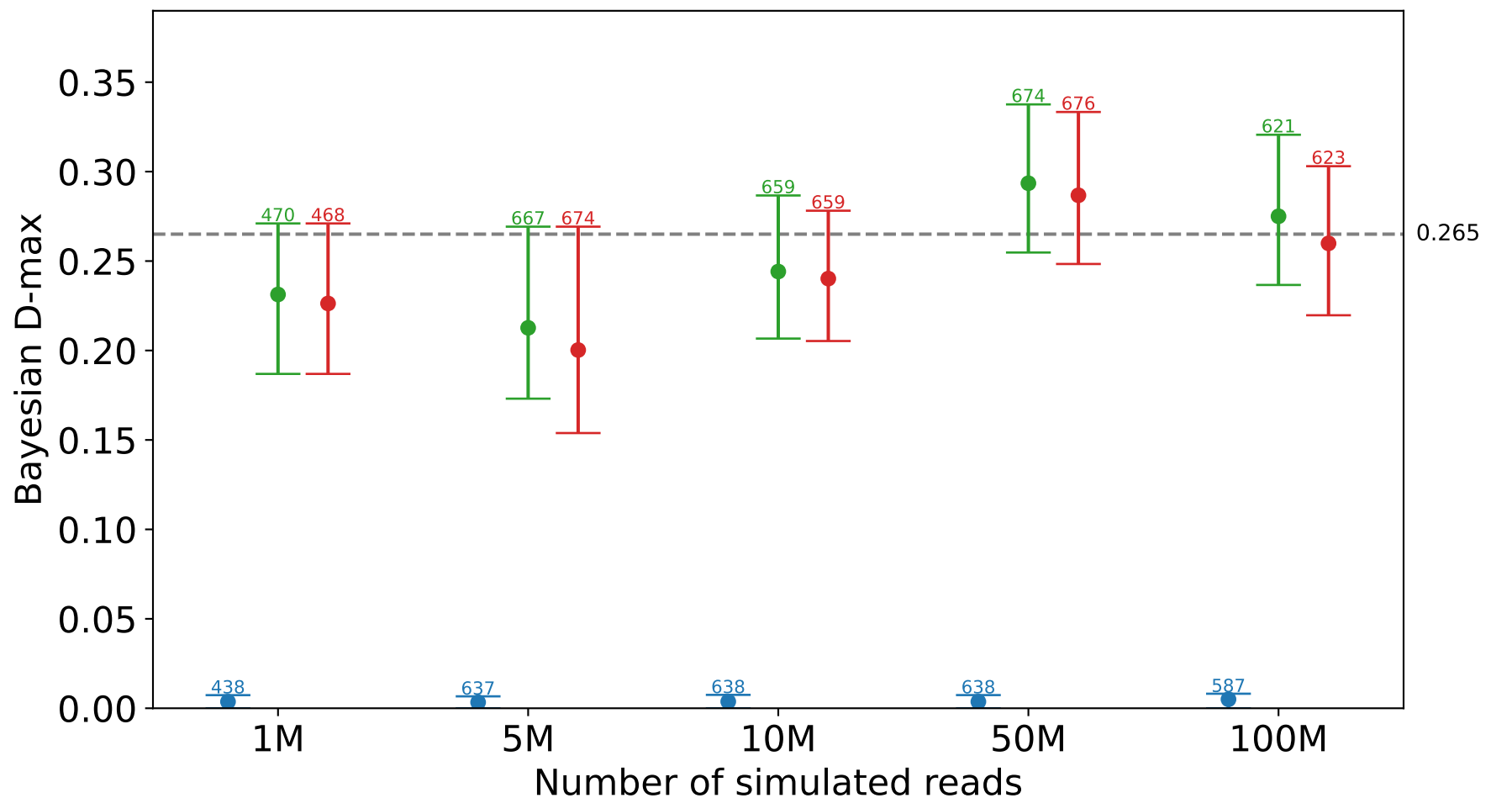
Only ancient: None

Cave-22, Tax ID: 117489  
s\_\_Arthrobacter\_D sp000816565



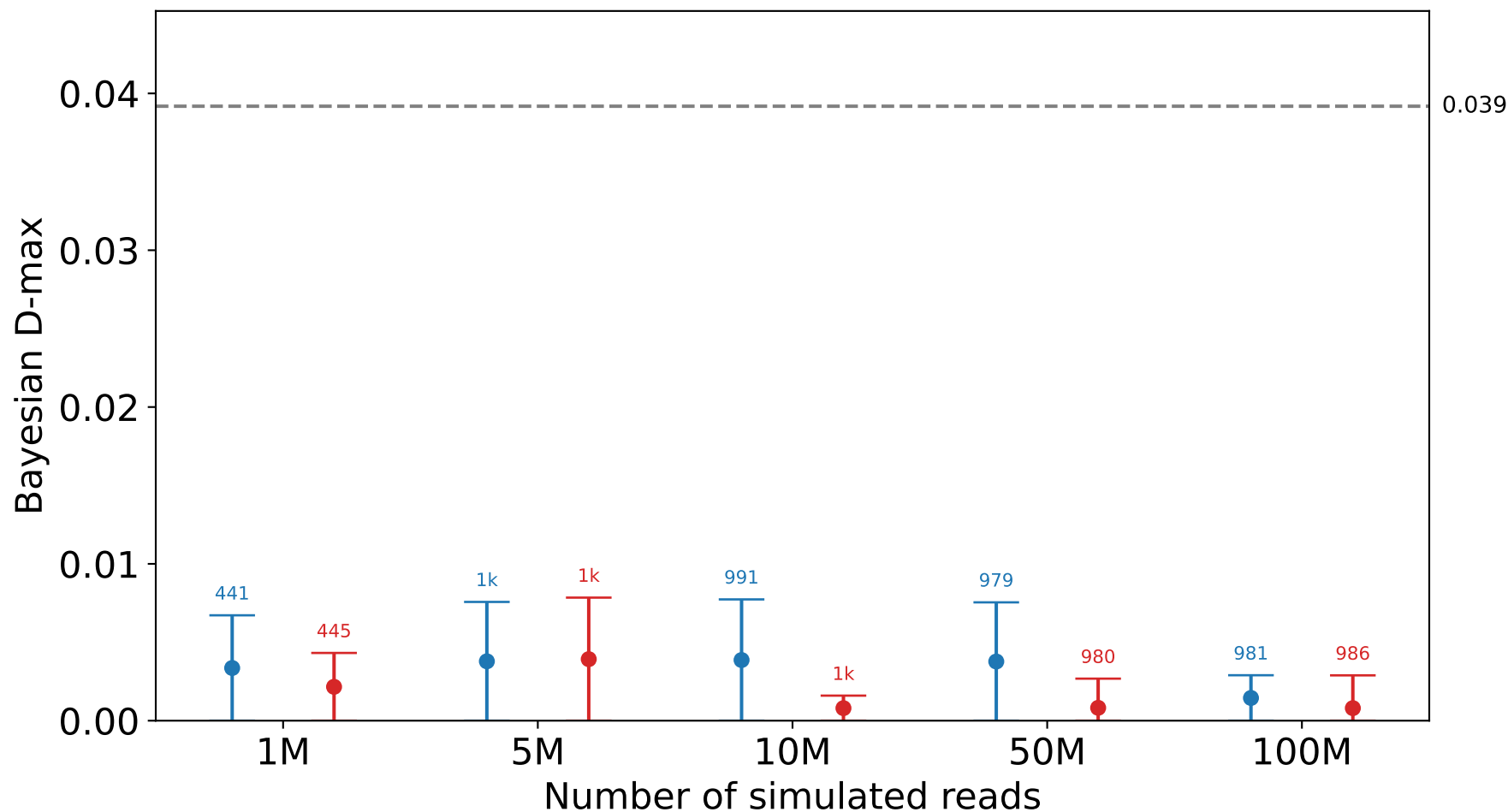
Only ancient: True

Cave-22, Tax ID: 82765  
s\_\_Enterococcus\_D sp002850555



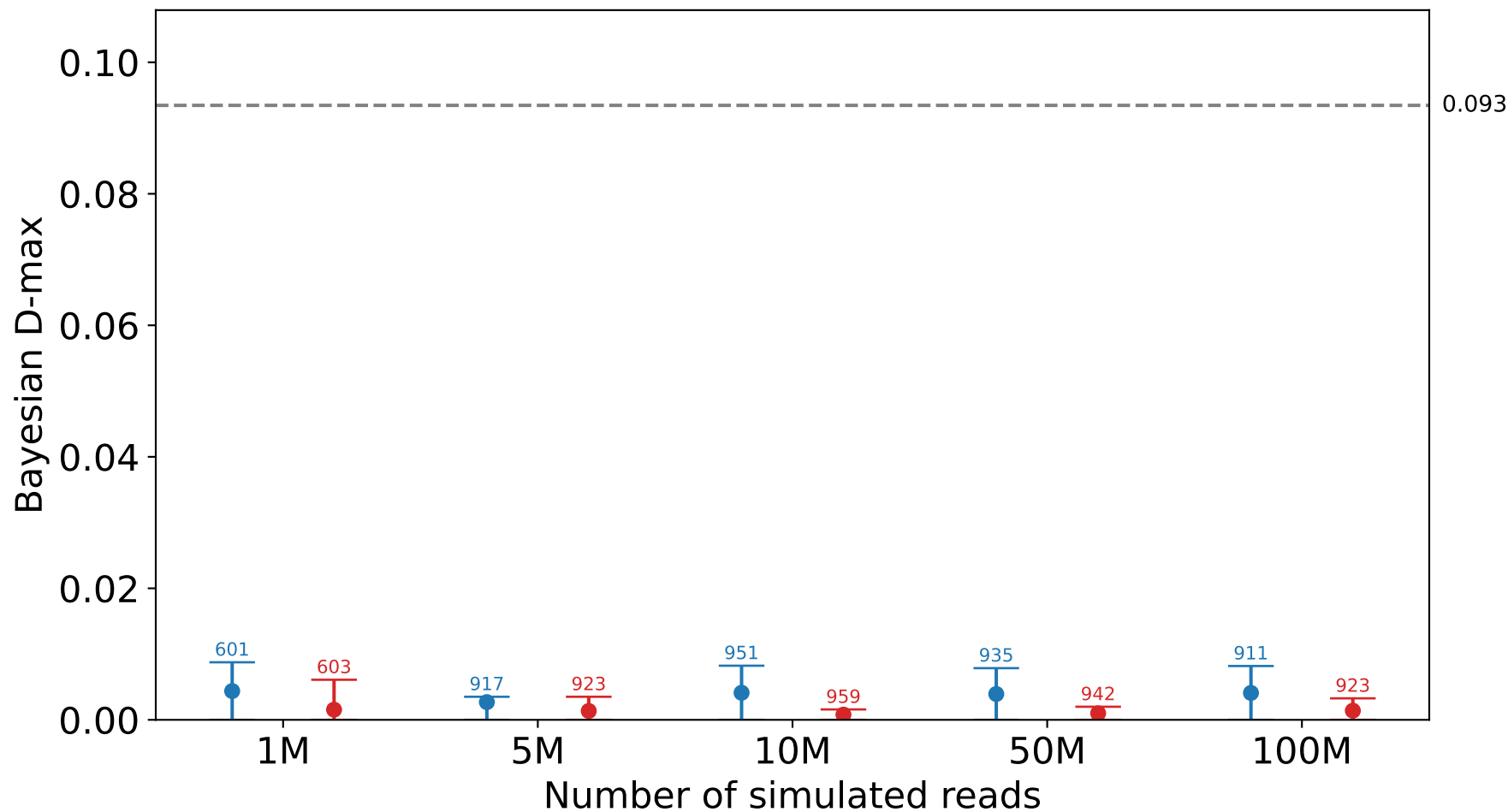
Only ancient: None

Cave-22, Tax ID: 125033  
s\_\_Methylobacterium sp004004555



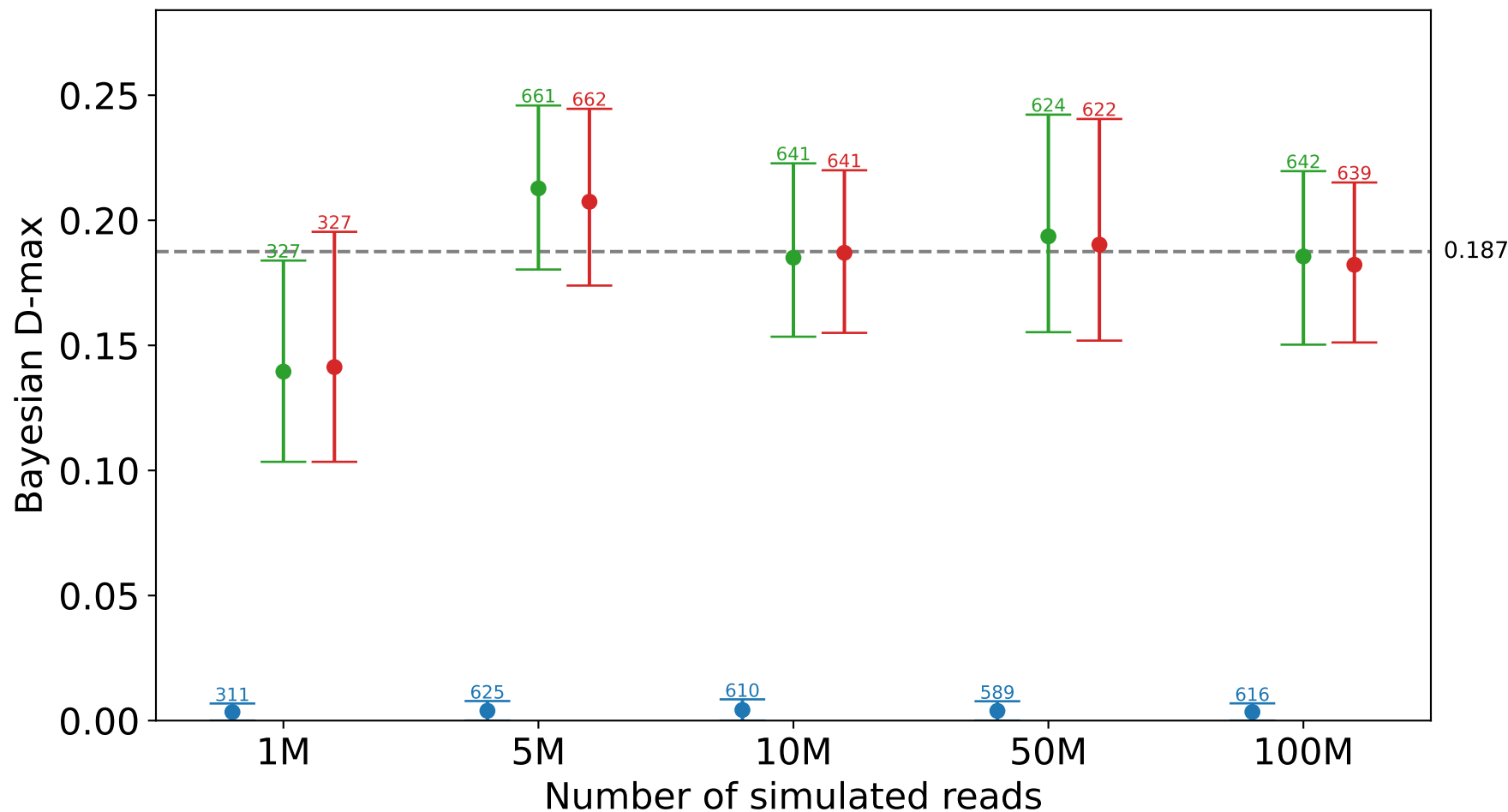
Only ancient: None

Cave-22, Tax ID: 129075  
s\_Massilia sp012927275



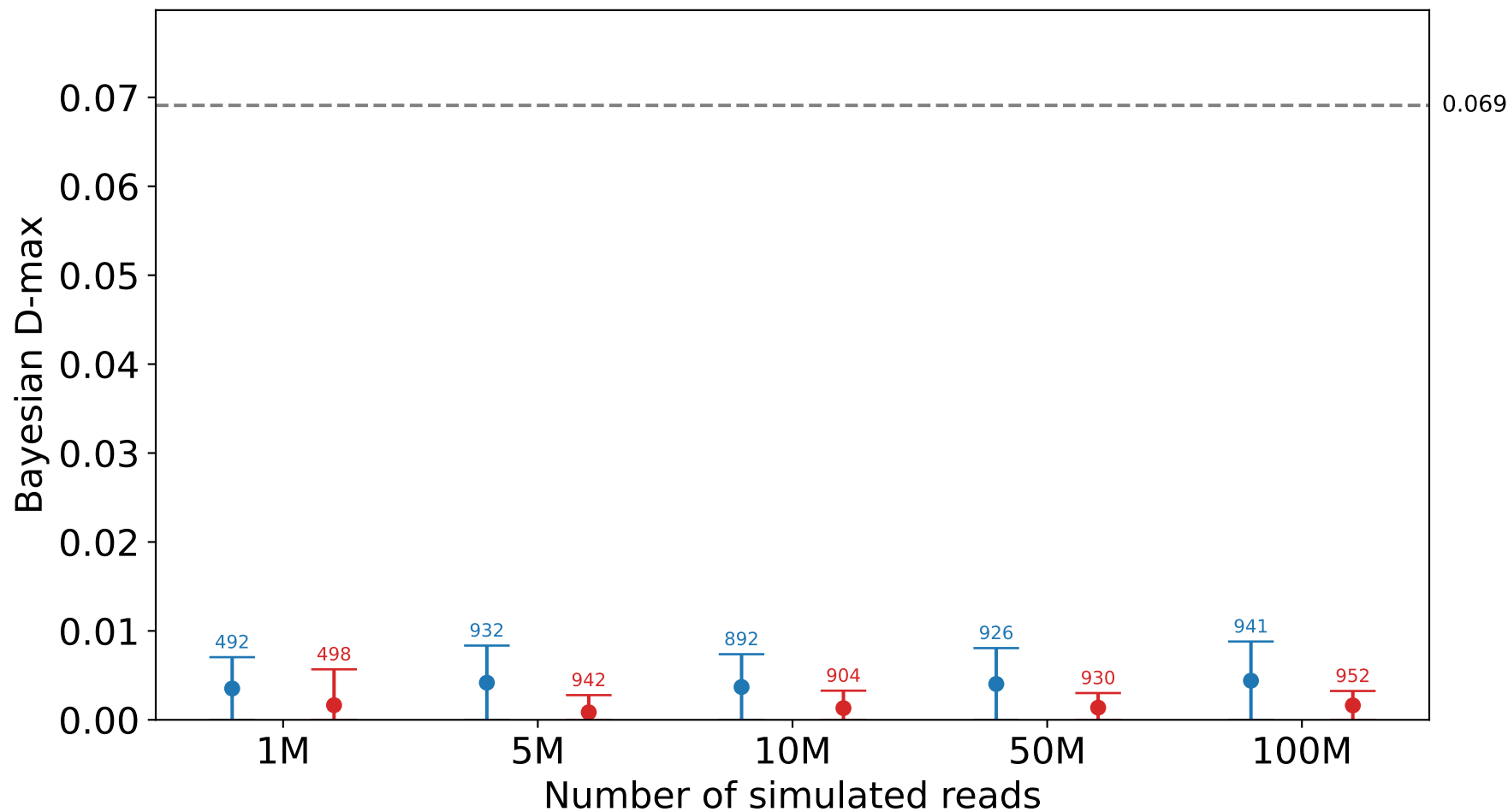
Only ancient: True

Cave-22, Tax ID: 127777  
s\_\_Pseudomonas\_E sp009707515



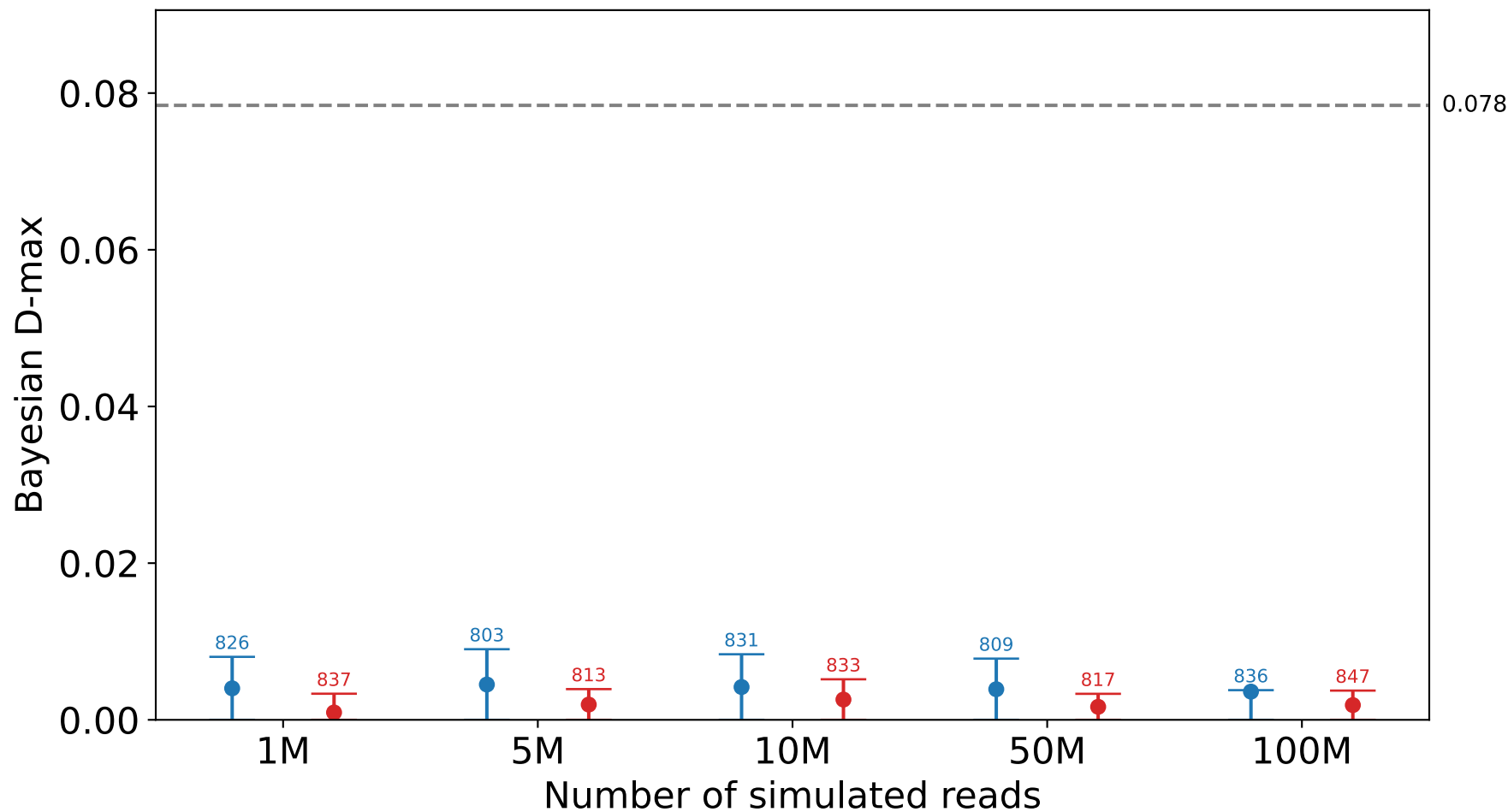
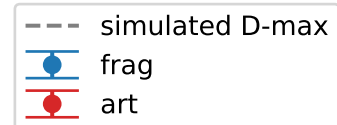
Only ancient: None

# Cave-22, Tax ID: 114877 s\_\_Rhodococcus ruber



Only ancient: None

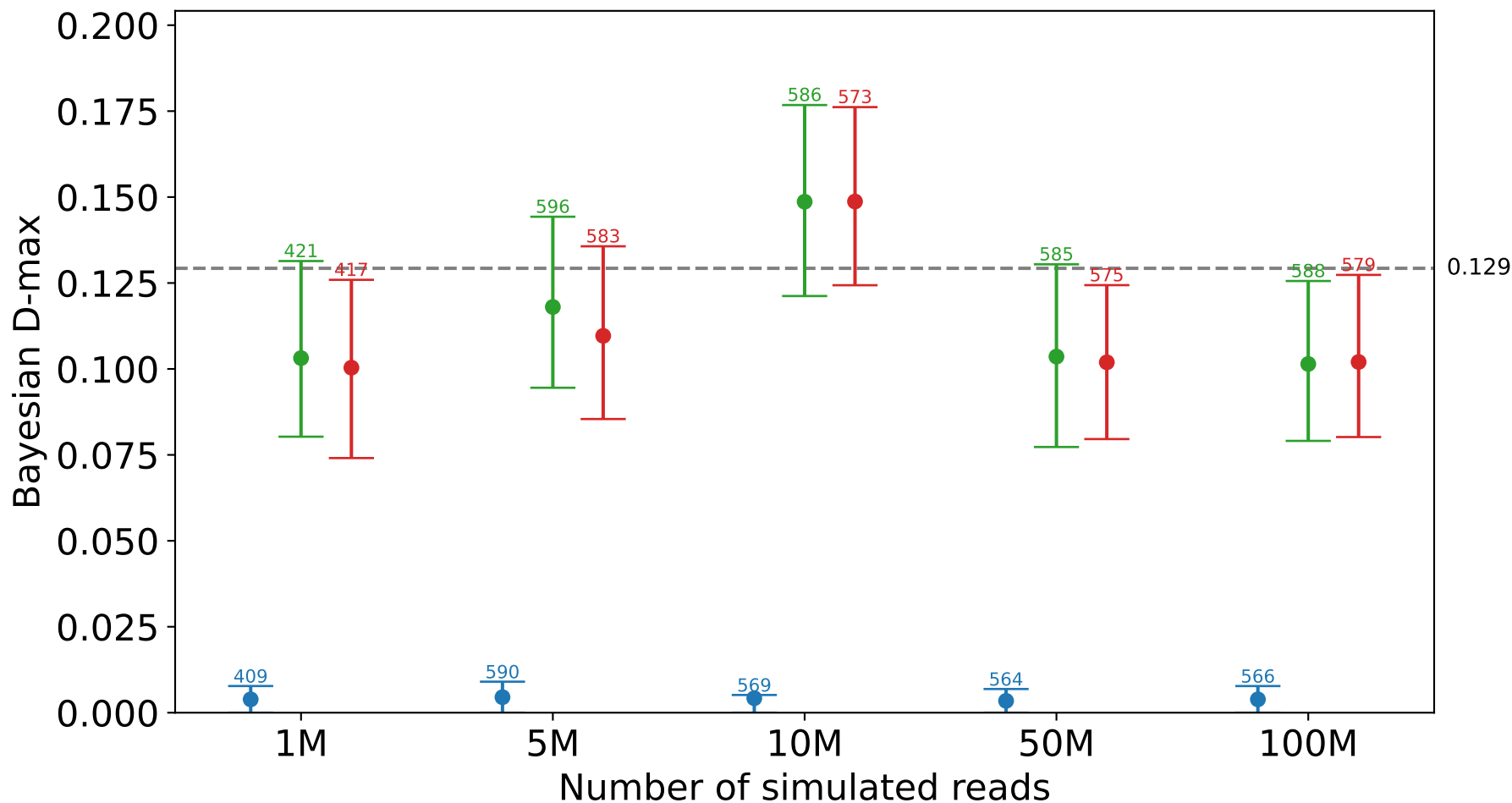
Cave-22, Tax ID: 122980  
s\_\_Agromyces sp003070885





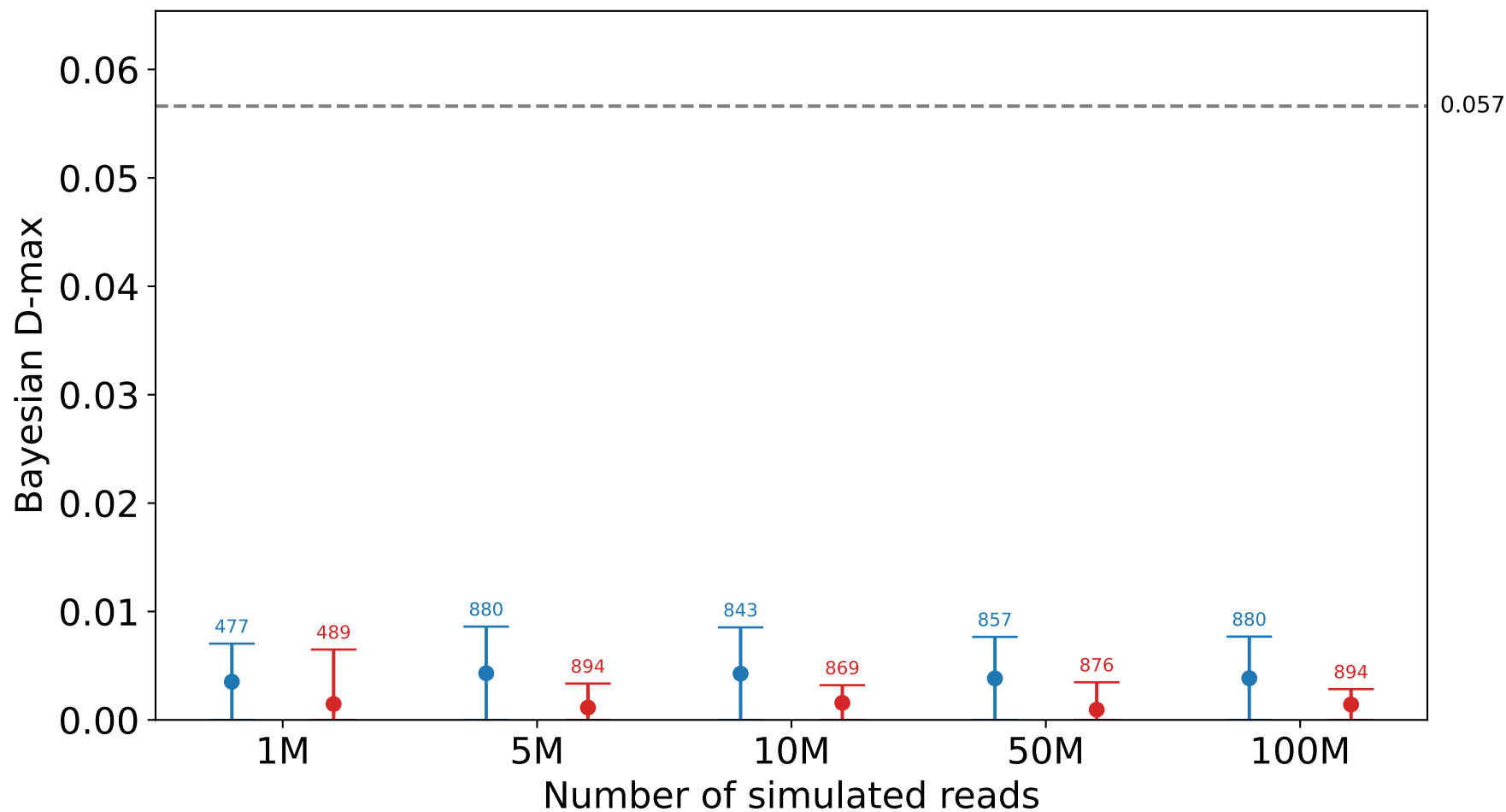
Only ancient: True

Cave-22, Tax ID: 129523  
s\_Halobaculum sp013401515



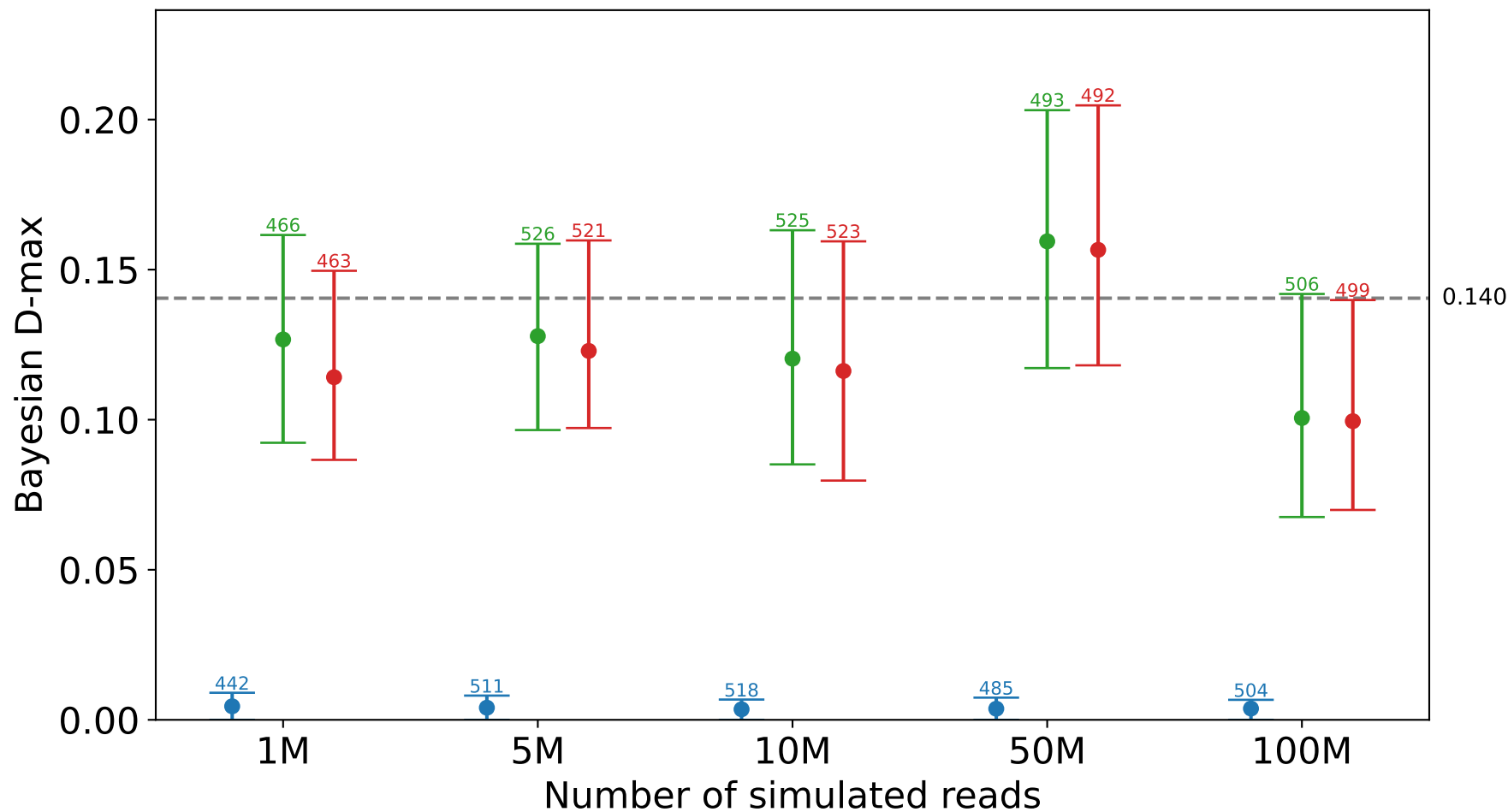
Only ancient: None

Cave-22, Tax ID: 126904  
s\_\_Xanthomonas translucens\_A



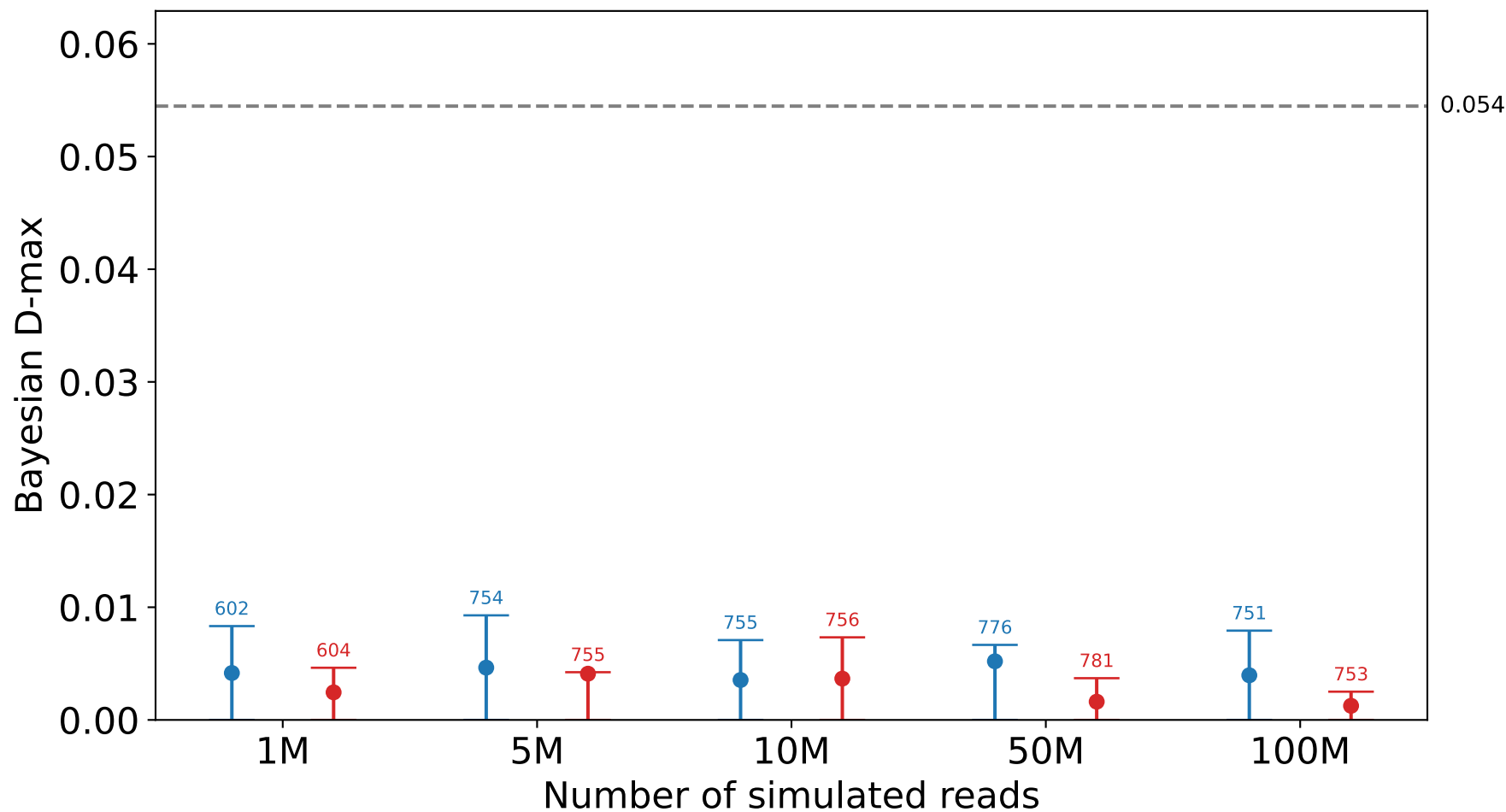
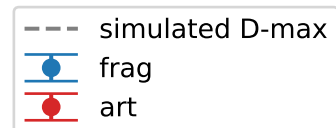
Only ancient: True

Cave-22, Tax ID: 132863  
s\_Herminiimonas sp903993245



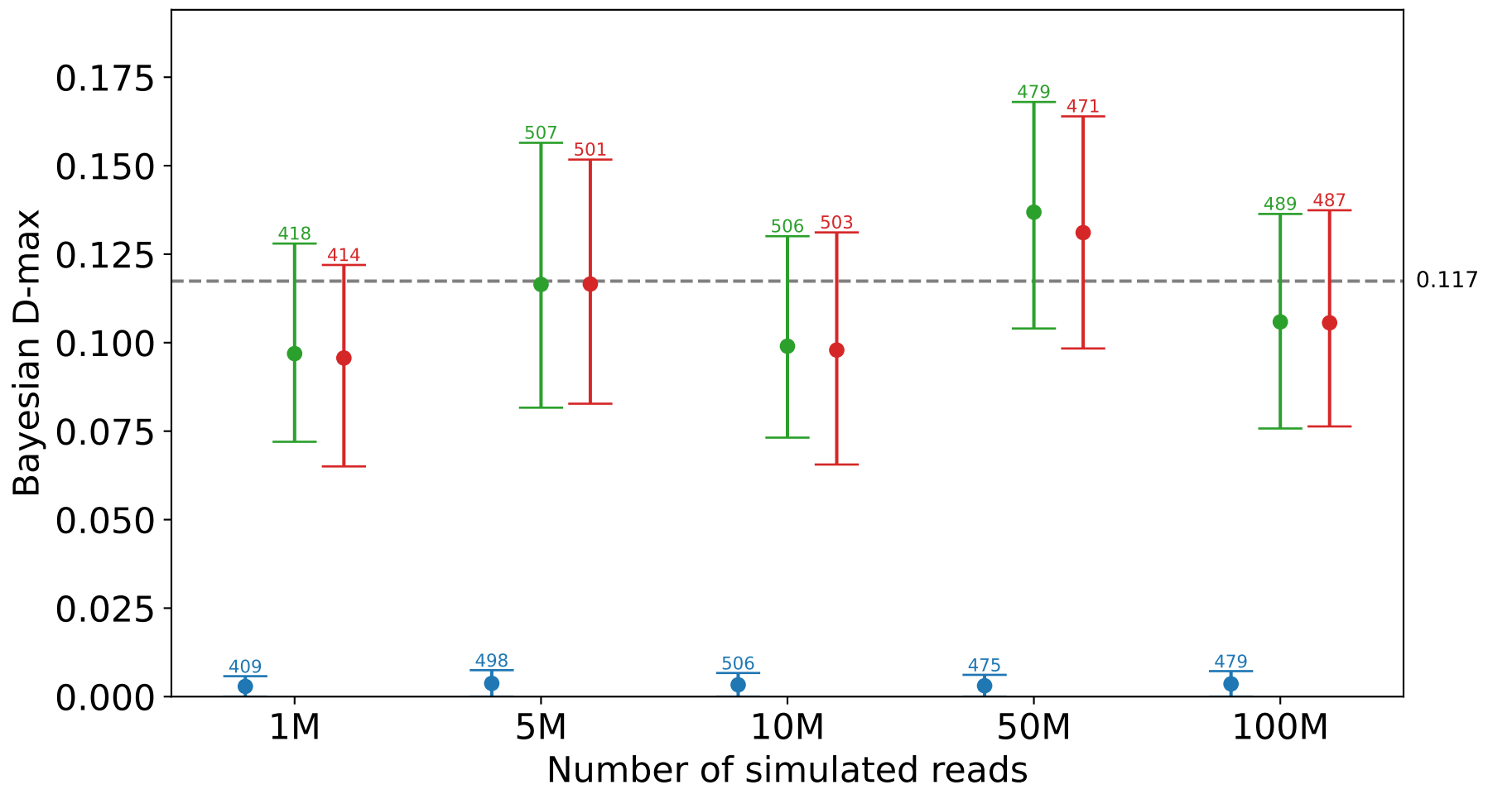
Only ancient: None

Cave-22, Tax ID: 94732  
s\_\_Gordonia sanguinis



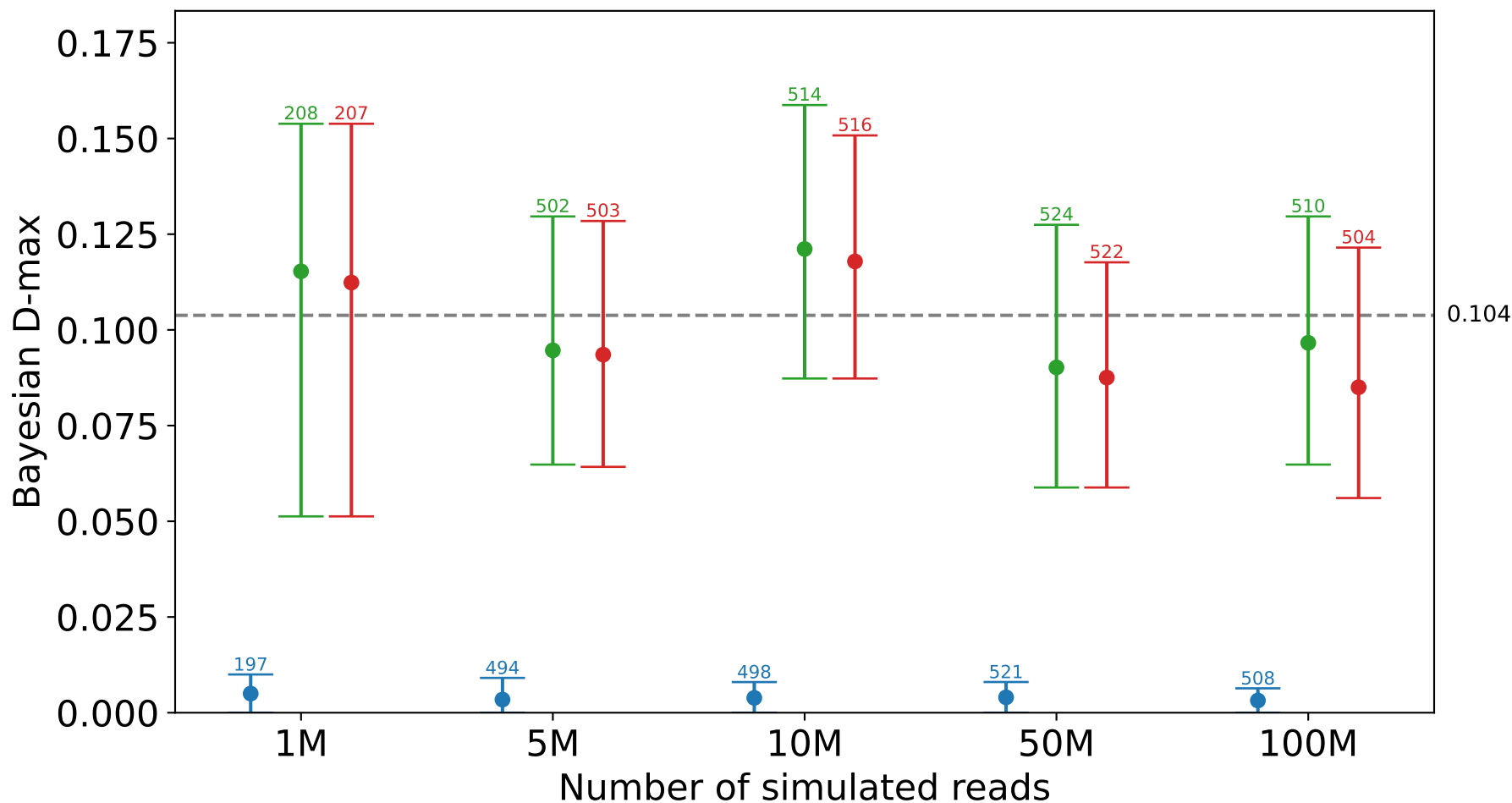
Only ancient: True

Cave-22, Tax ID: 124654  
s\_Herminiimonas sp003852535



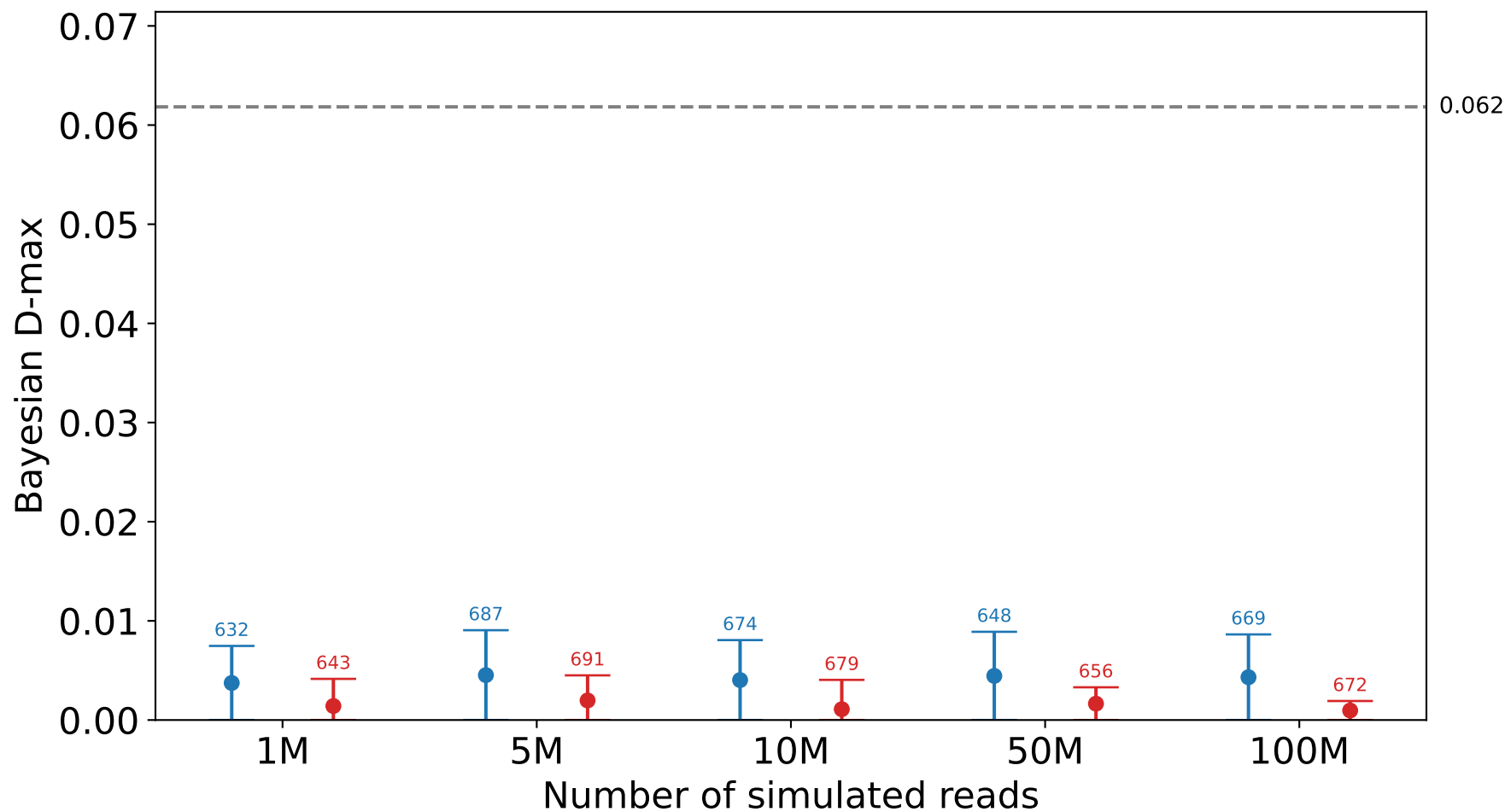
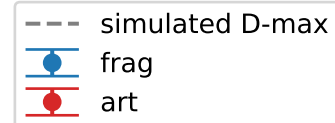
Only ancient: True

Cave-22, Tax ID: 118356  
s\_\_Paenibacillus\_C sp001280845



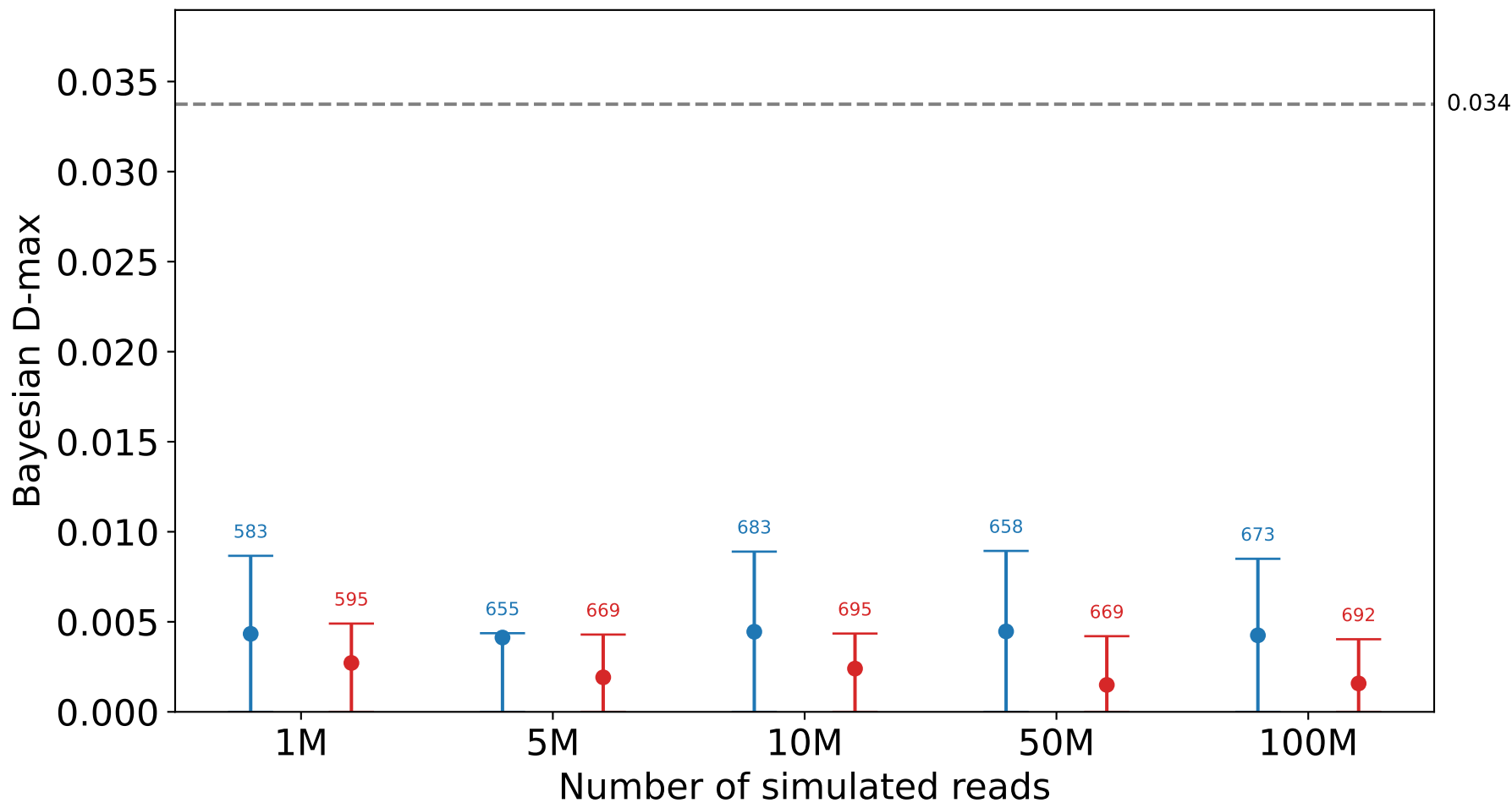
Only ancient: None

Cave-22, Tax ID: 125808  
s\_\_Cryobacterium psychrotolerans



Only ancient: None

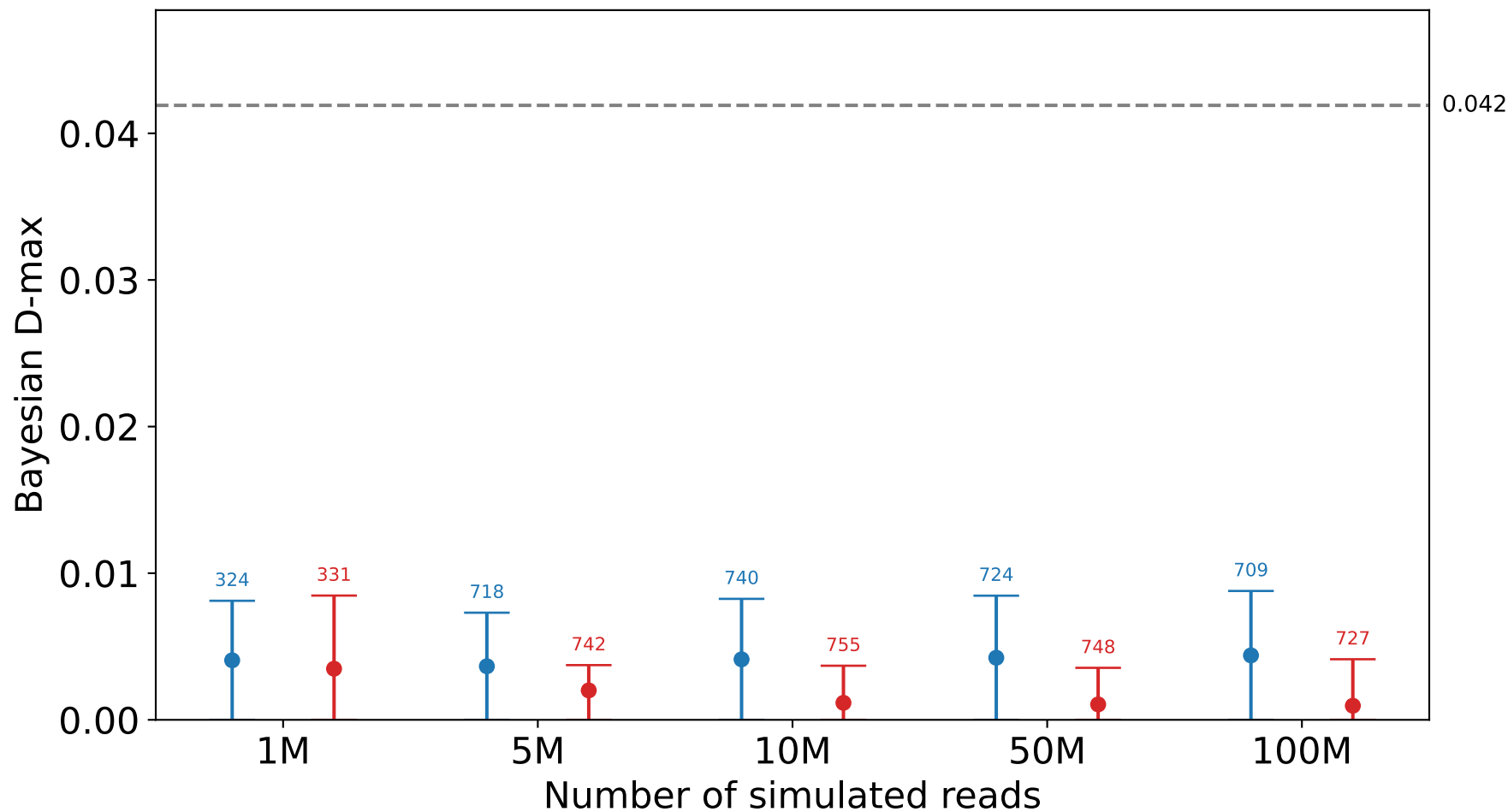
Cave-22, Tax ID: 118869  
s\_\_Stenotrophomonas daejeonensis





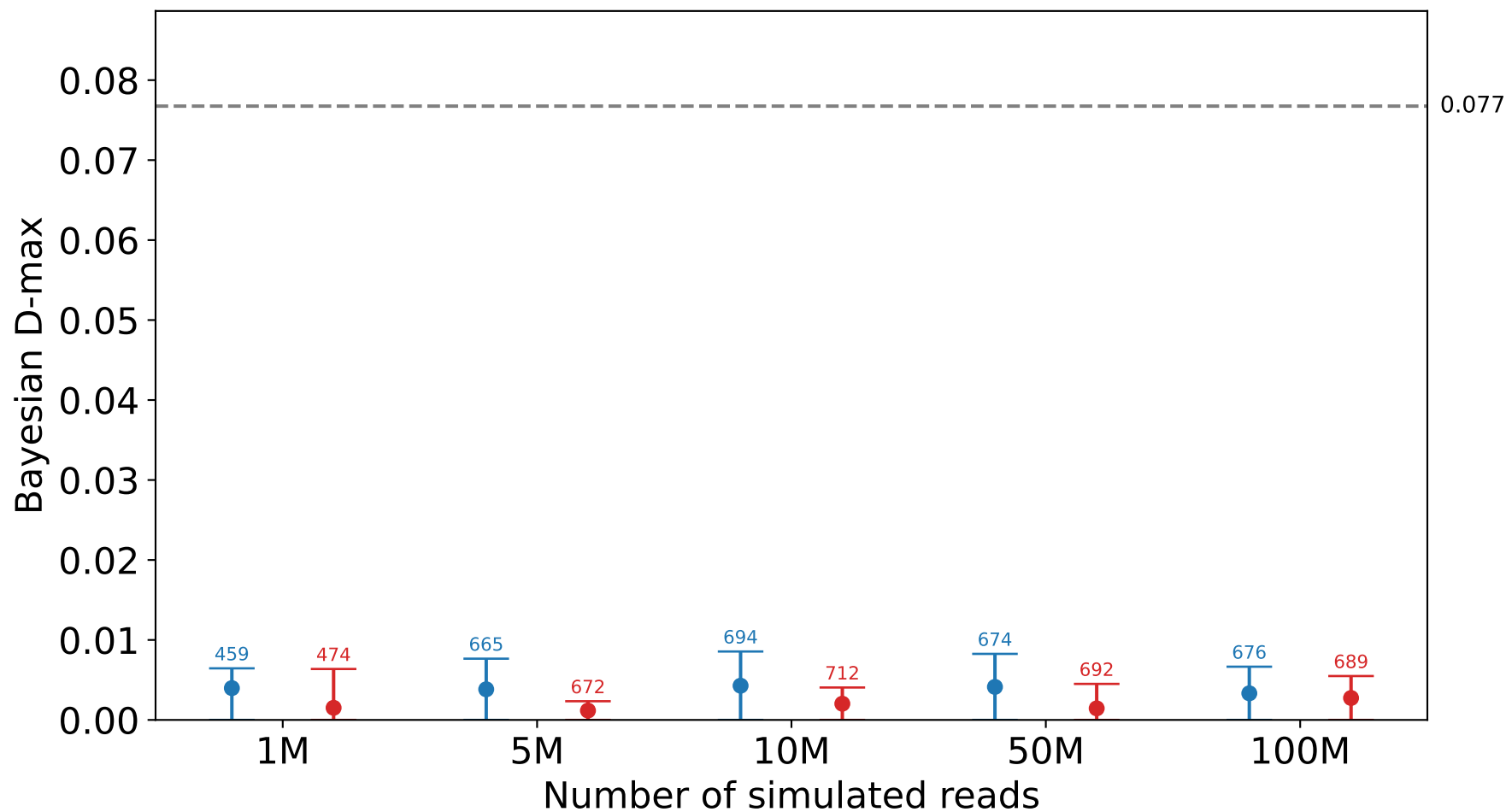
Only ancient: None

# Cave-22, Tax ID: 128774 s\_\_Amycolatopsis viridis



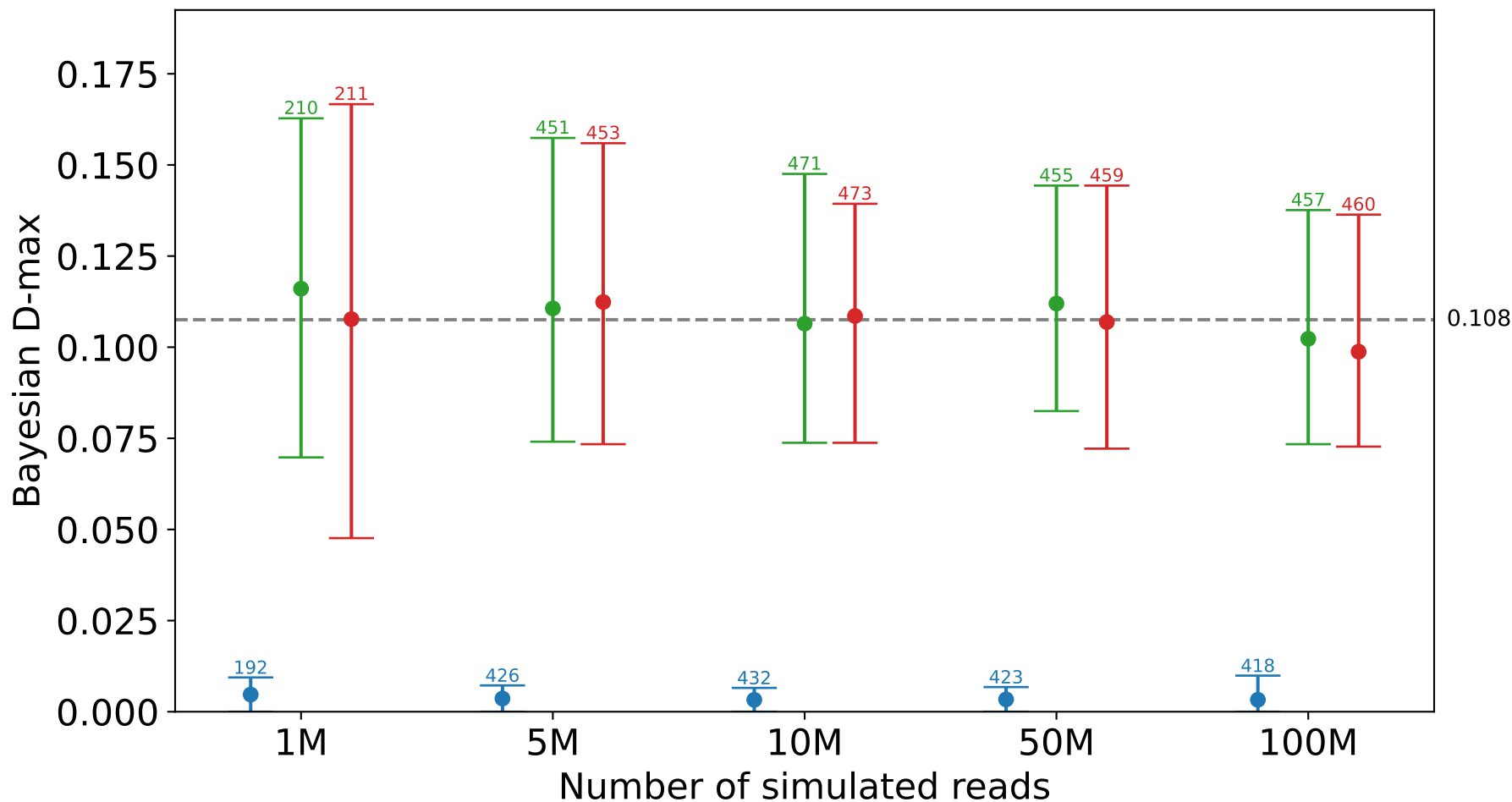
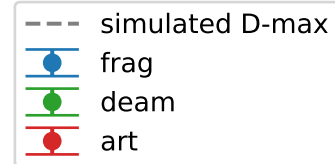
Only ancient: None

Cave-22, Tax ID: 117150  
s\_Sphingopyxis sp000756375



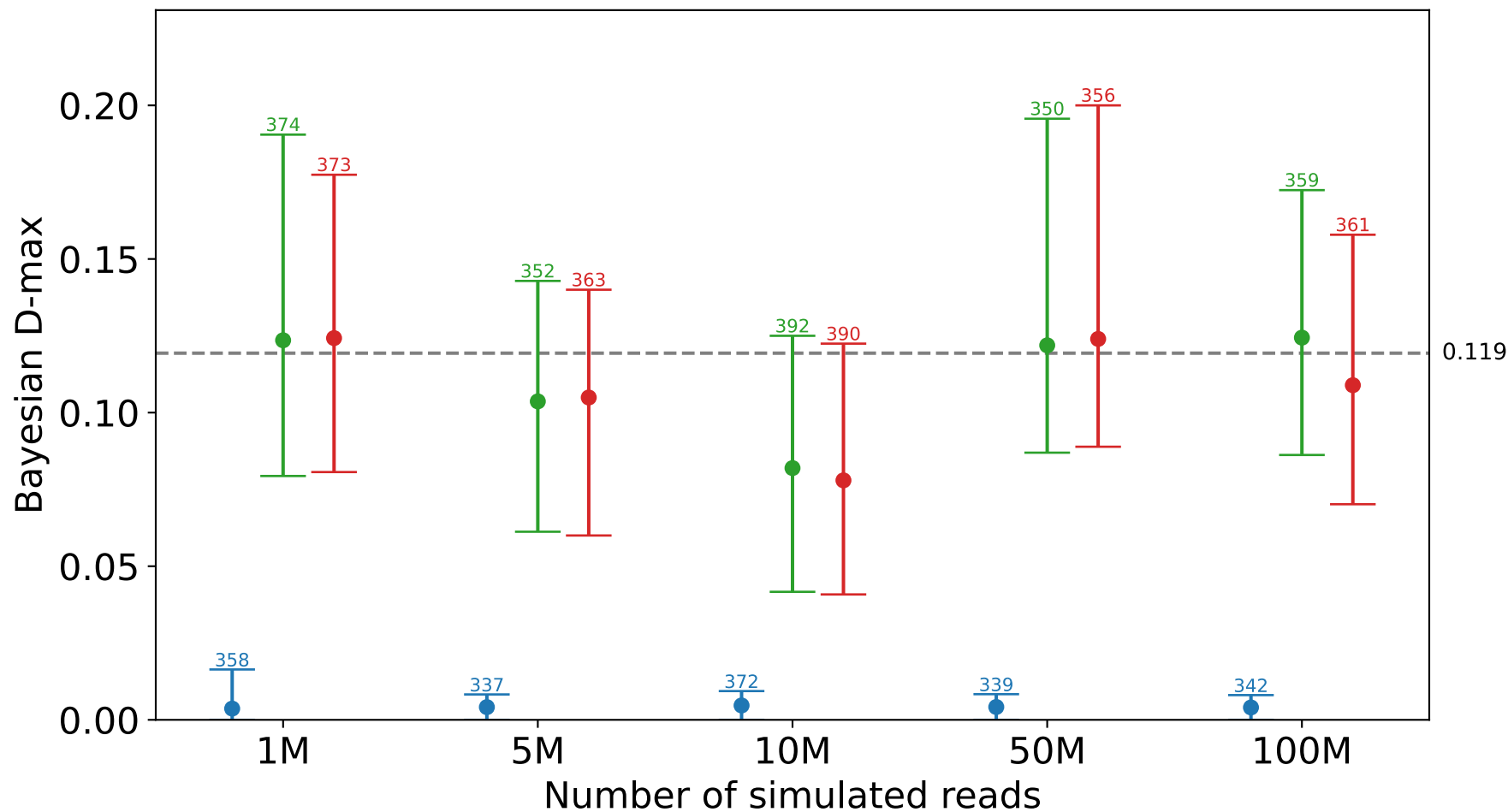
Only ancient: True

# Cave-22, Tax ID: 113853 s\_\_Microcoleus vaginatus



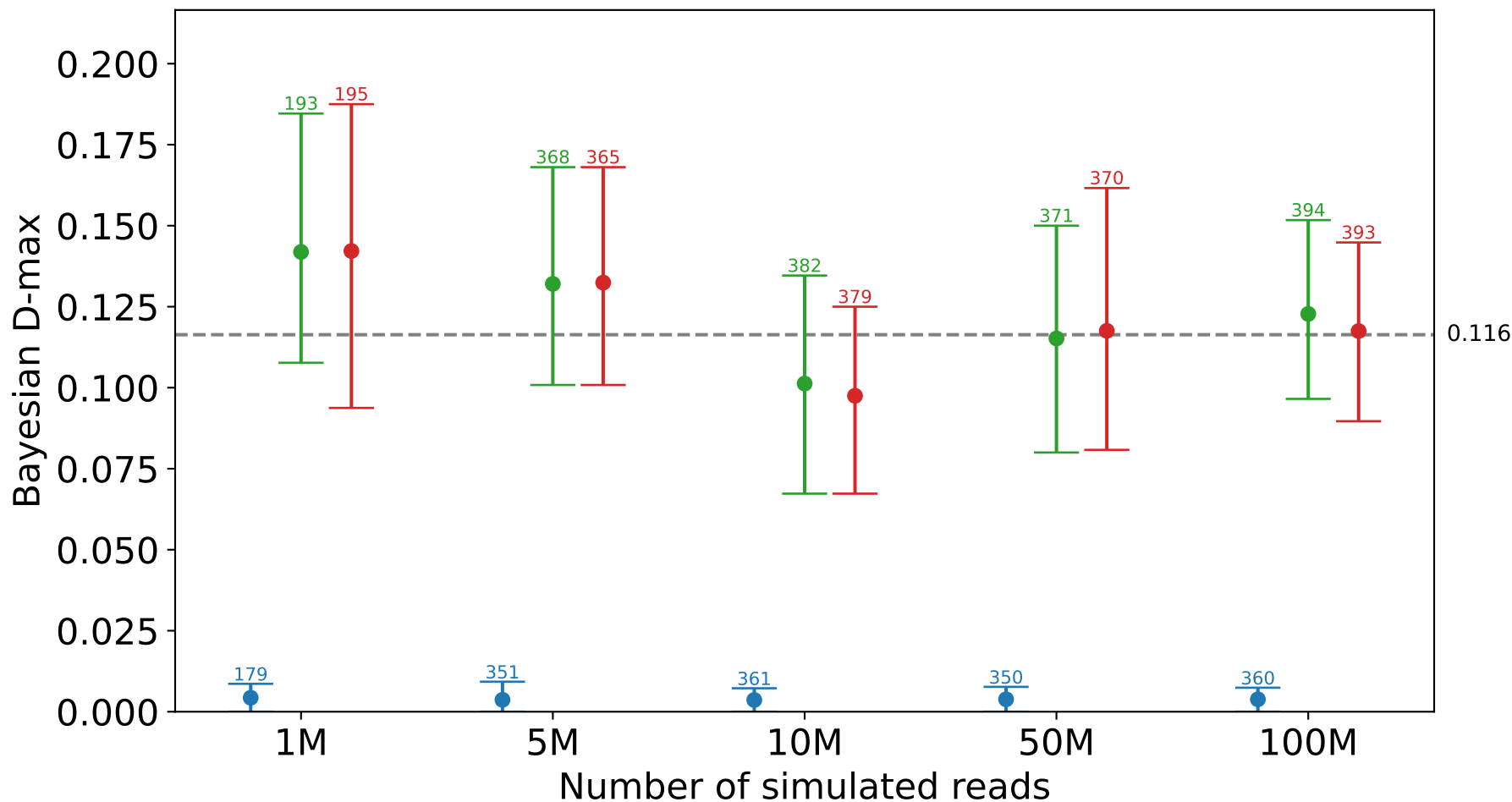
Only ancient: True

# Cave-22, Tax ID: 150551 s\_\_Urtica lobatifolia



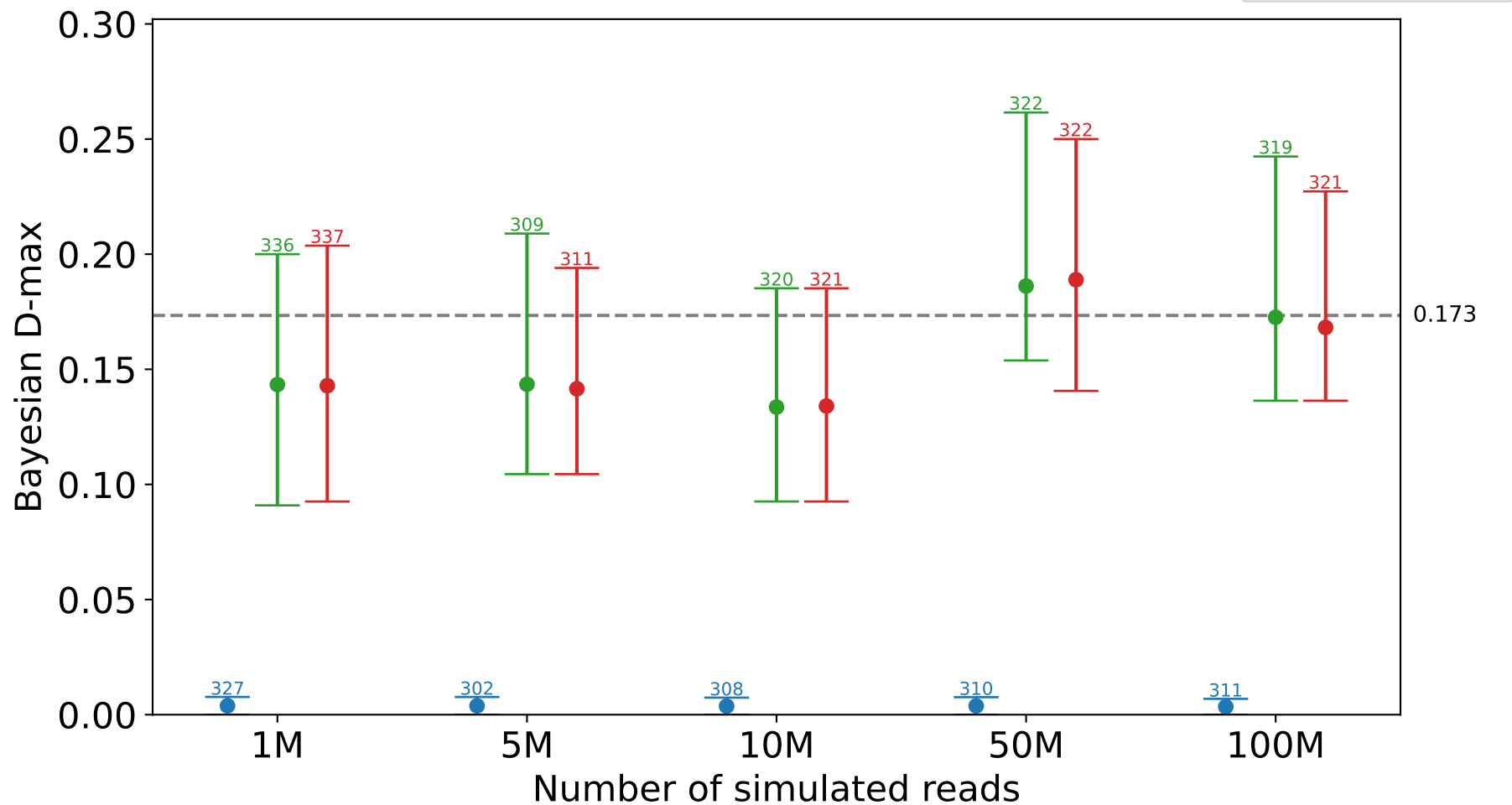
Only ancient: True

Cave-22, Tax ID: 117680  
s\_\_Pseudomonas\_E sp000952175



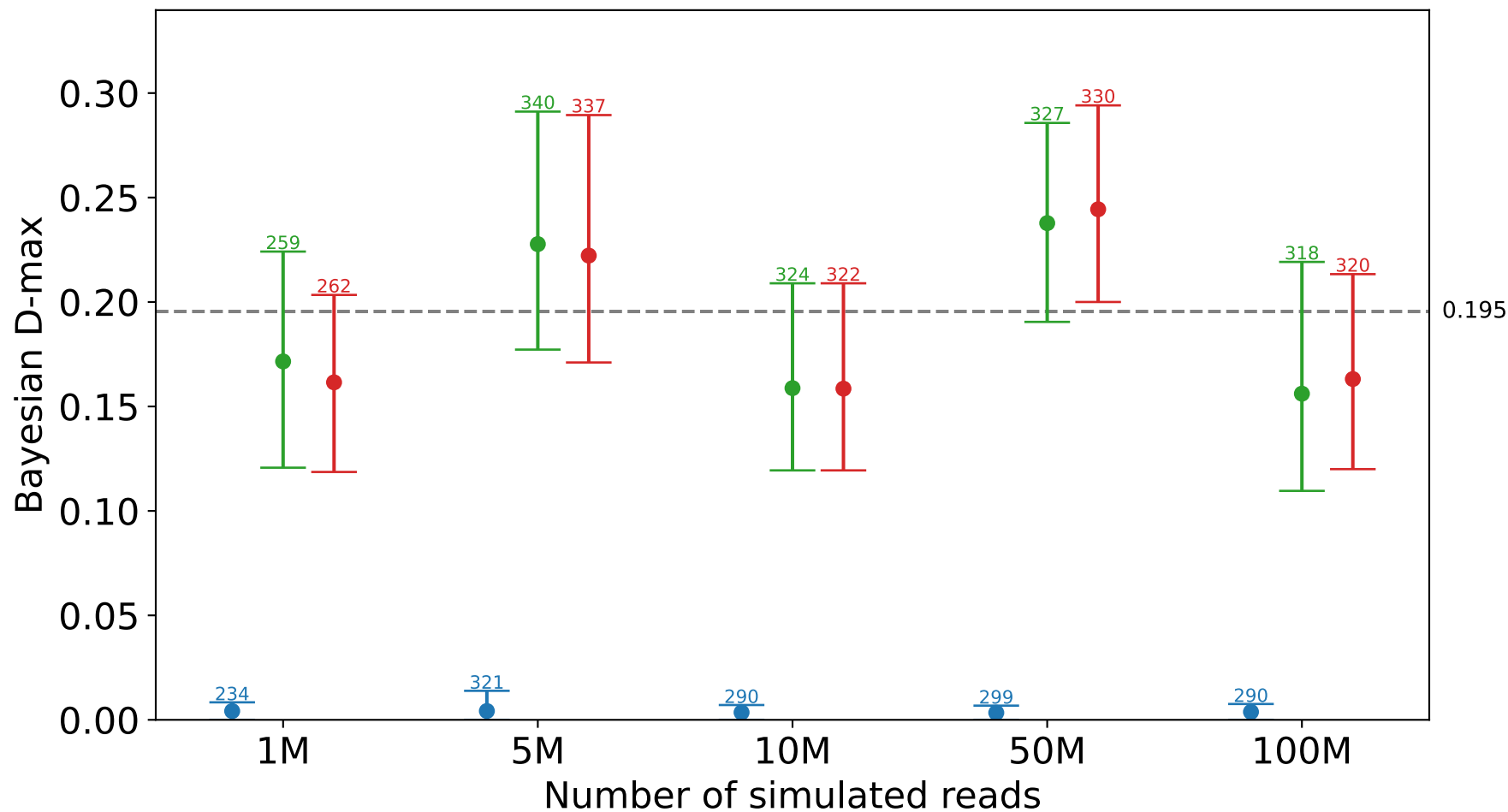
Only ancient: True

# Cave-22, Tax ID: 140409 s\_\_Eleusine indica



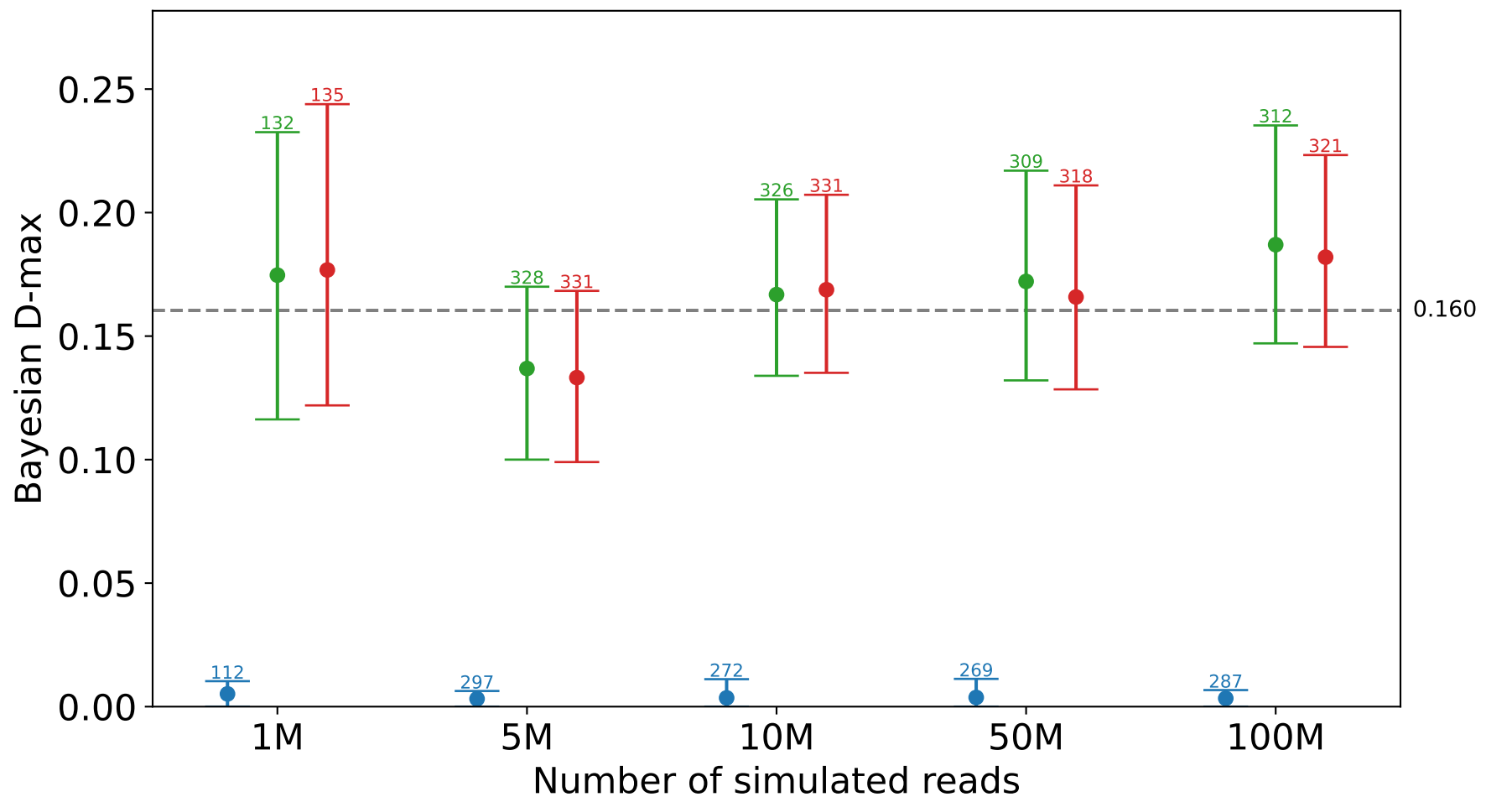
Only ancient: True

Cave-22, Tax ID: 81238  
s\_\_Enterococcus\_D casseliflavus



Only ancient: True

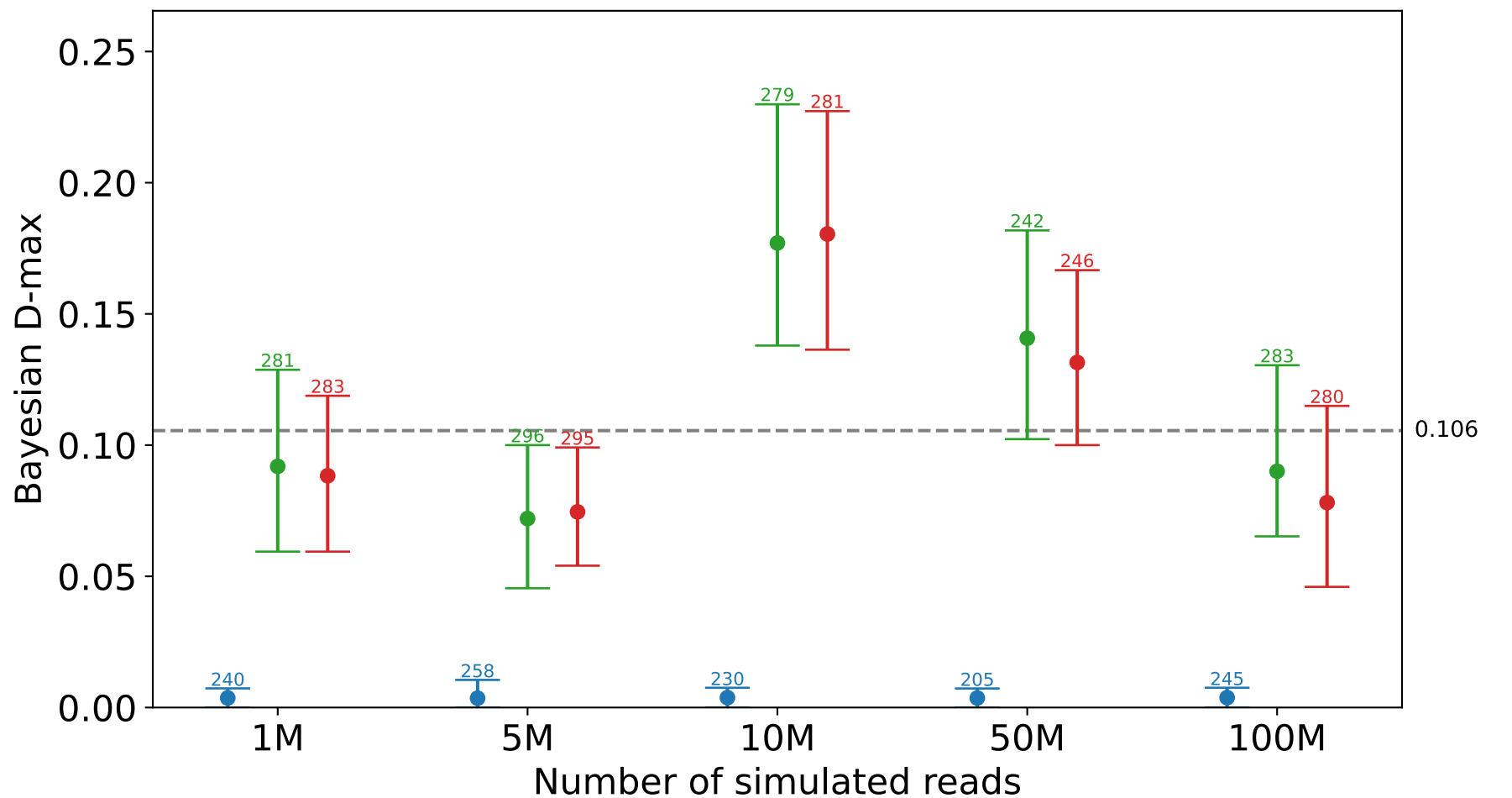
Cave-22, Tax ID: 124268  
s\_\_Pseudomonas\_E fluorescens\_BA





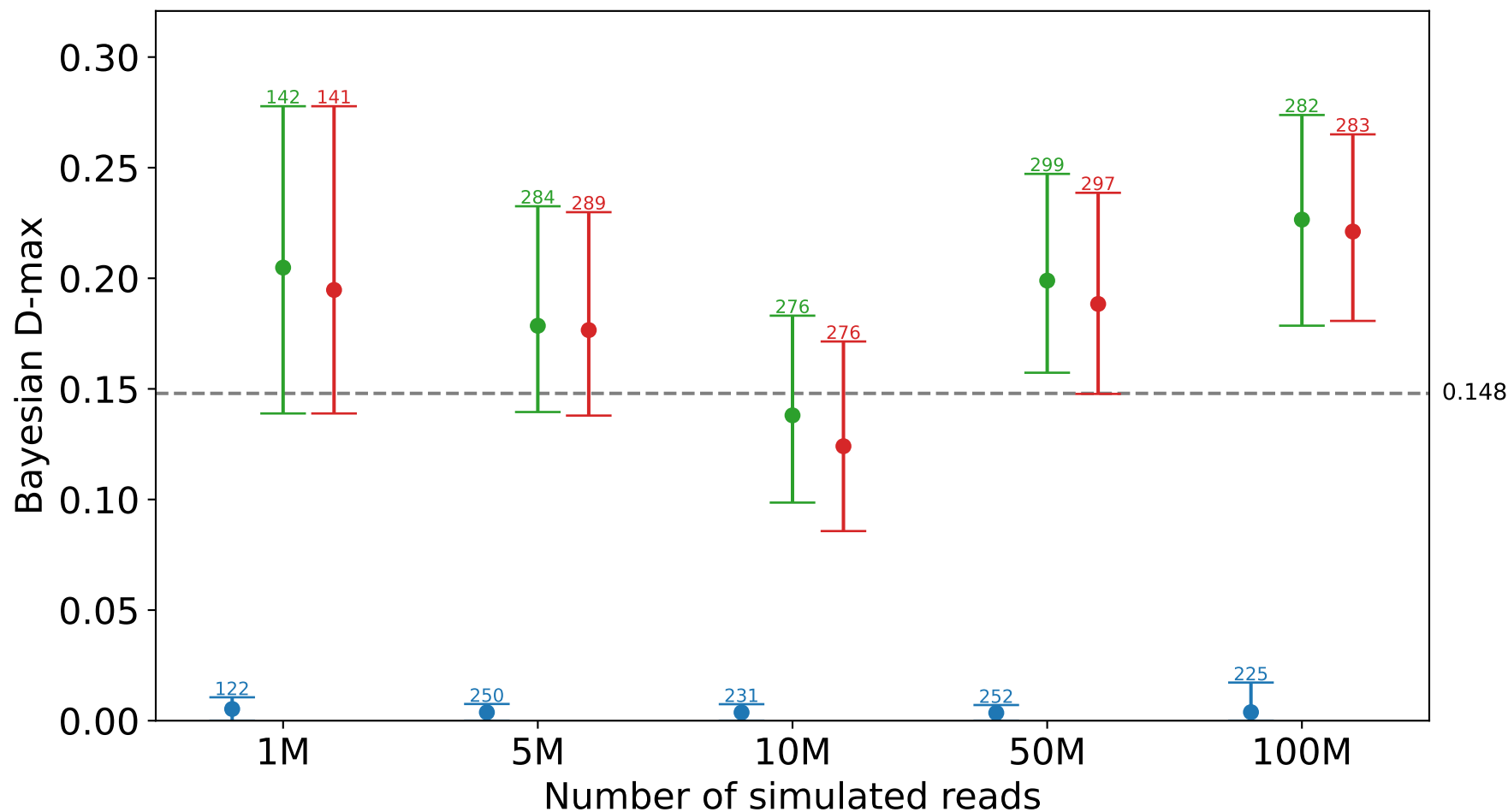
Only ancient: True

# Cave-22, Tax ID: 119567 s\_\_Brevundimonas vesicularis



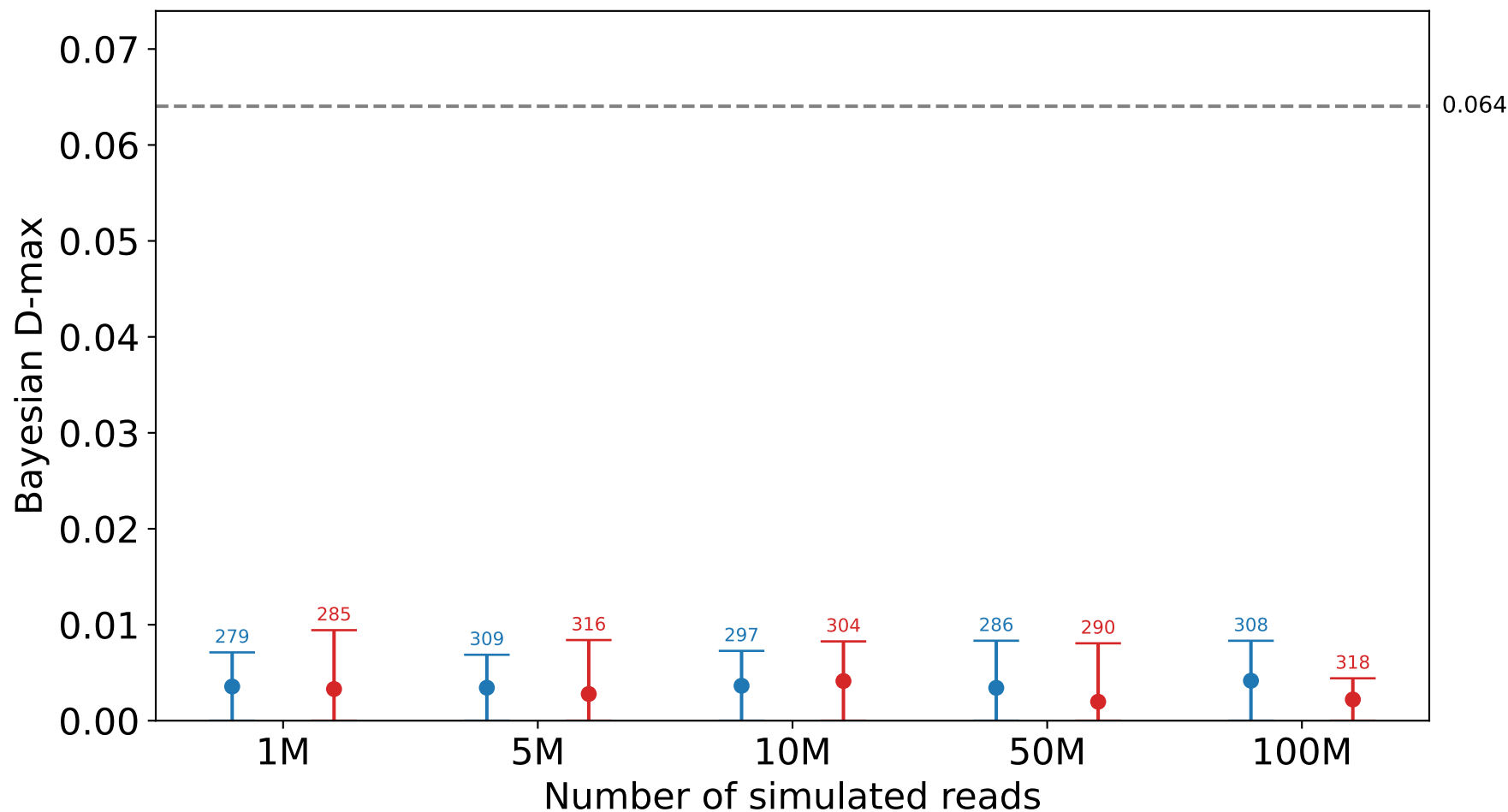
Only ancient: True

# Cave-22, Tax ID: 132615 s\_\_Pseudomonas\_E fluorescens\_BL



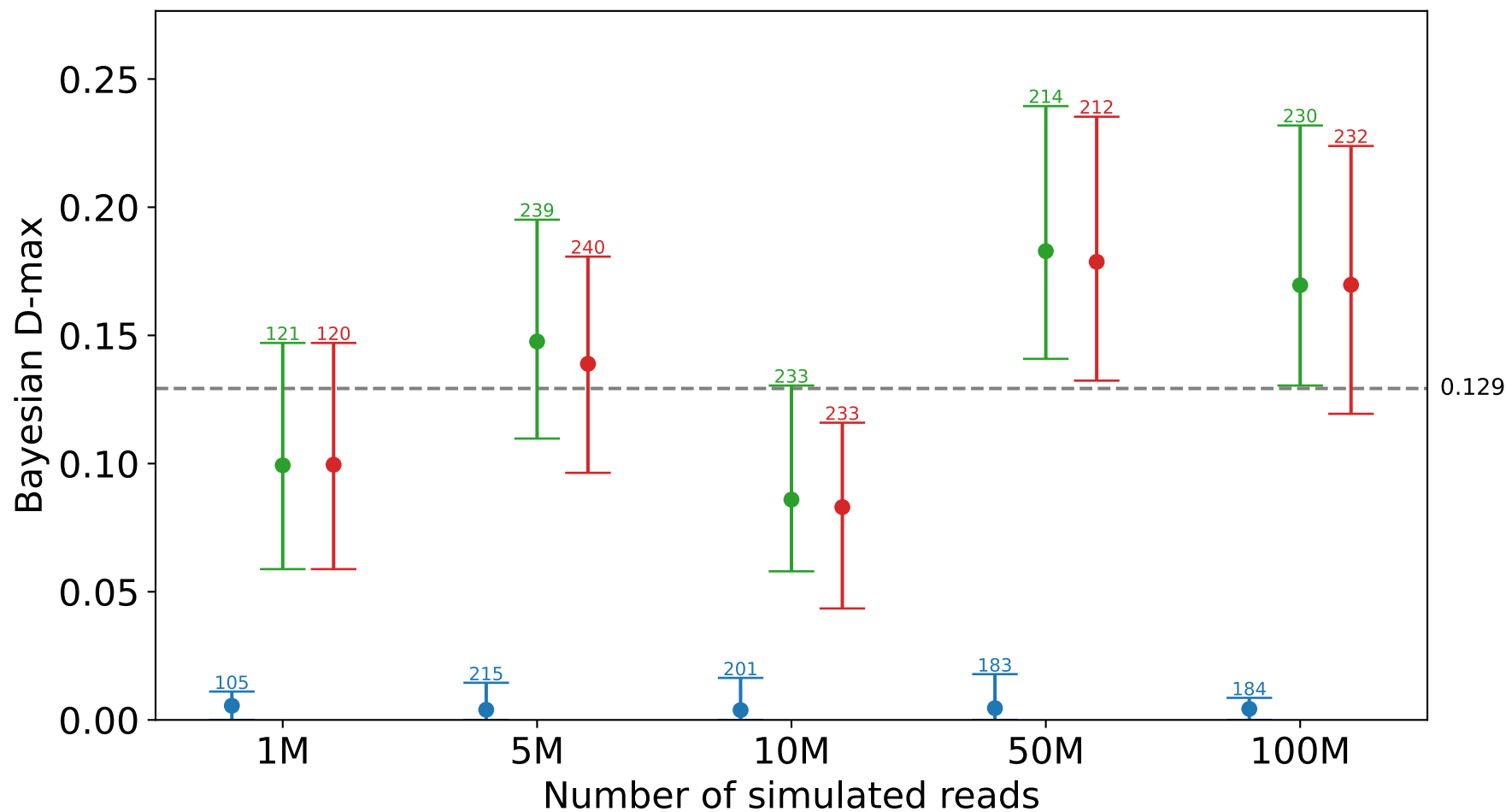
Only ancient: None

Cave-22, Tax ID: 124957  
s\_\_Curtobacterium sp003989515



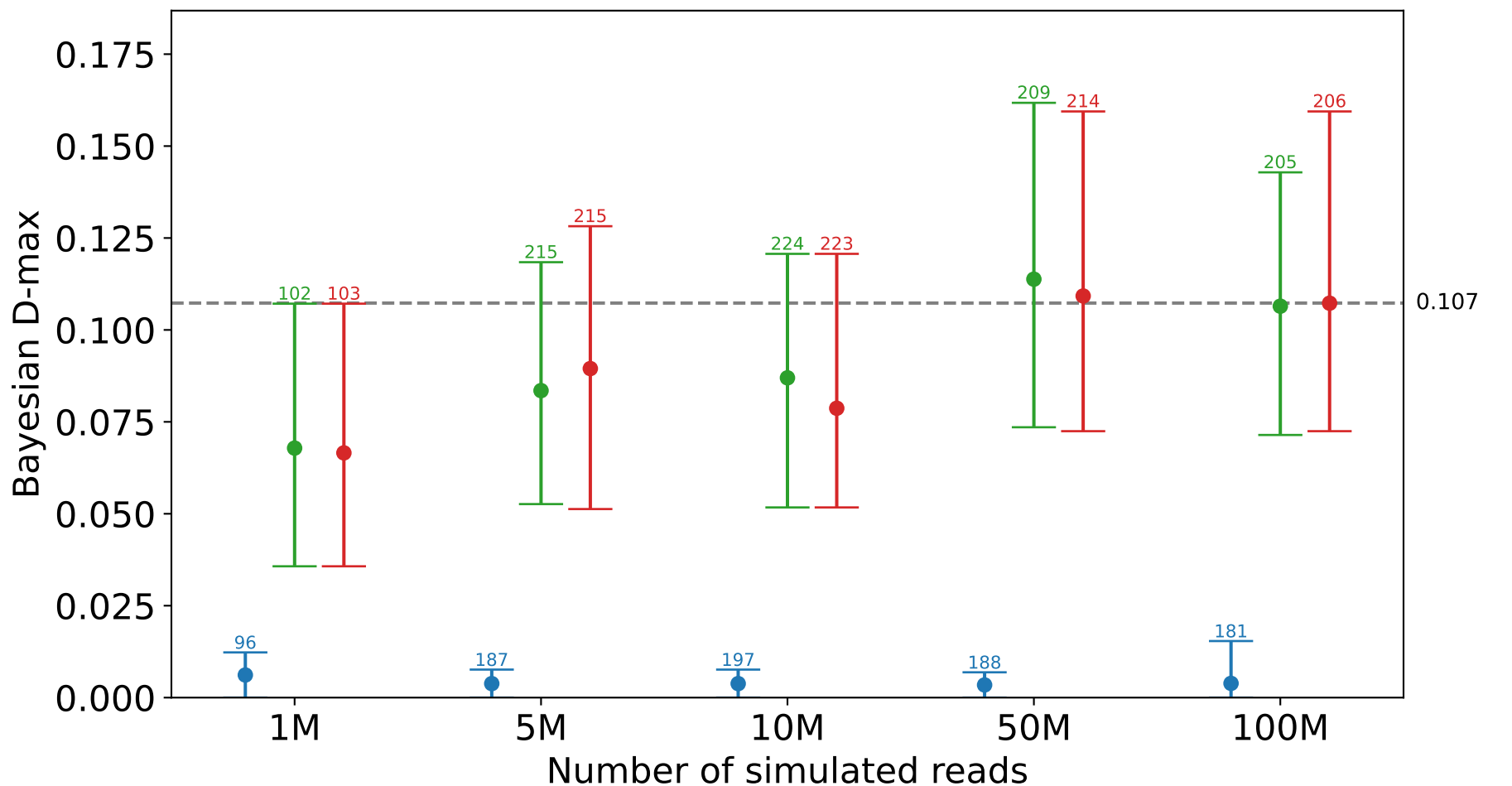
Only ancient: True

Cave-22, Tax ID: 123176  
s\_\_Pseudomonas\_E sp003151075



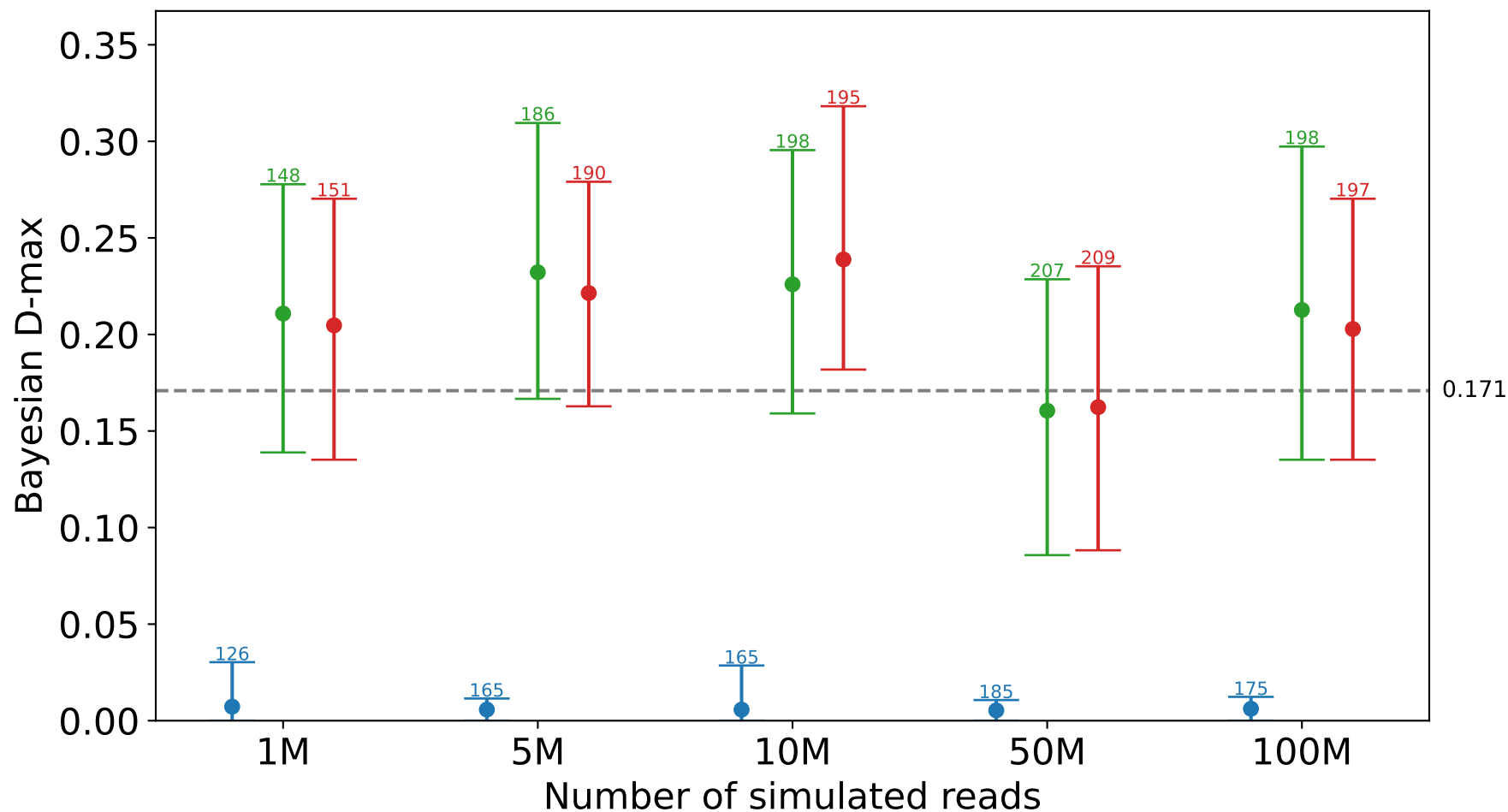
Only ancient: True

# Cave-22, Tax ID: 126958 s\_\_Pseudomonas\_E proteolytica



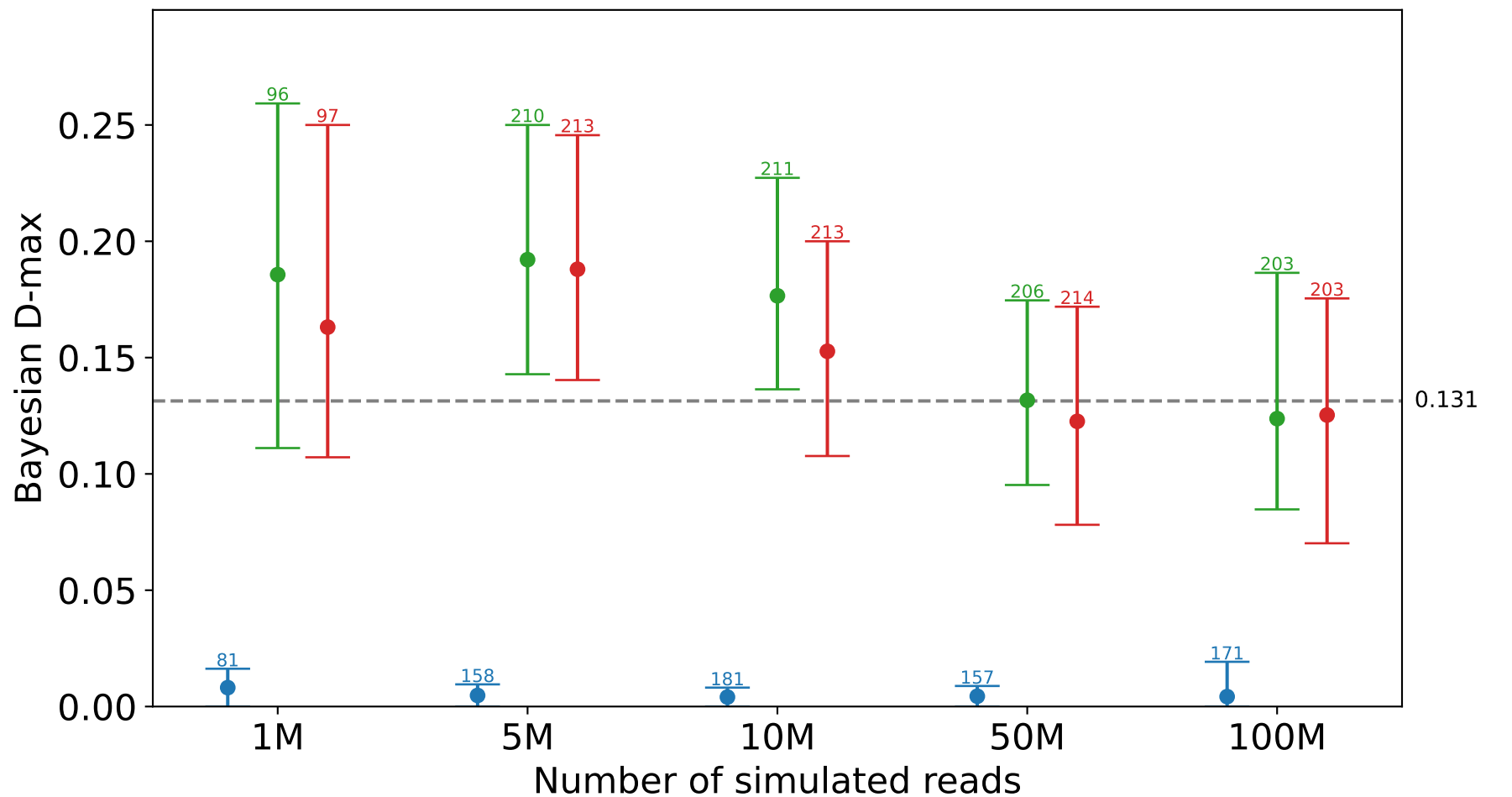
Only ancient: True

# Cave-22, Tax ID: 122124 s\_\_Enterococcus\_B mundtii



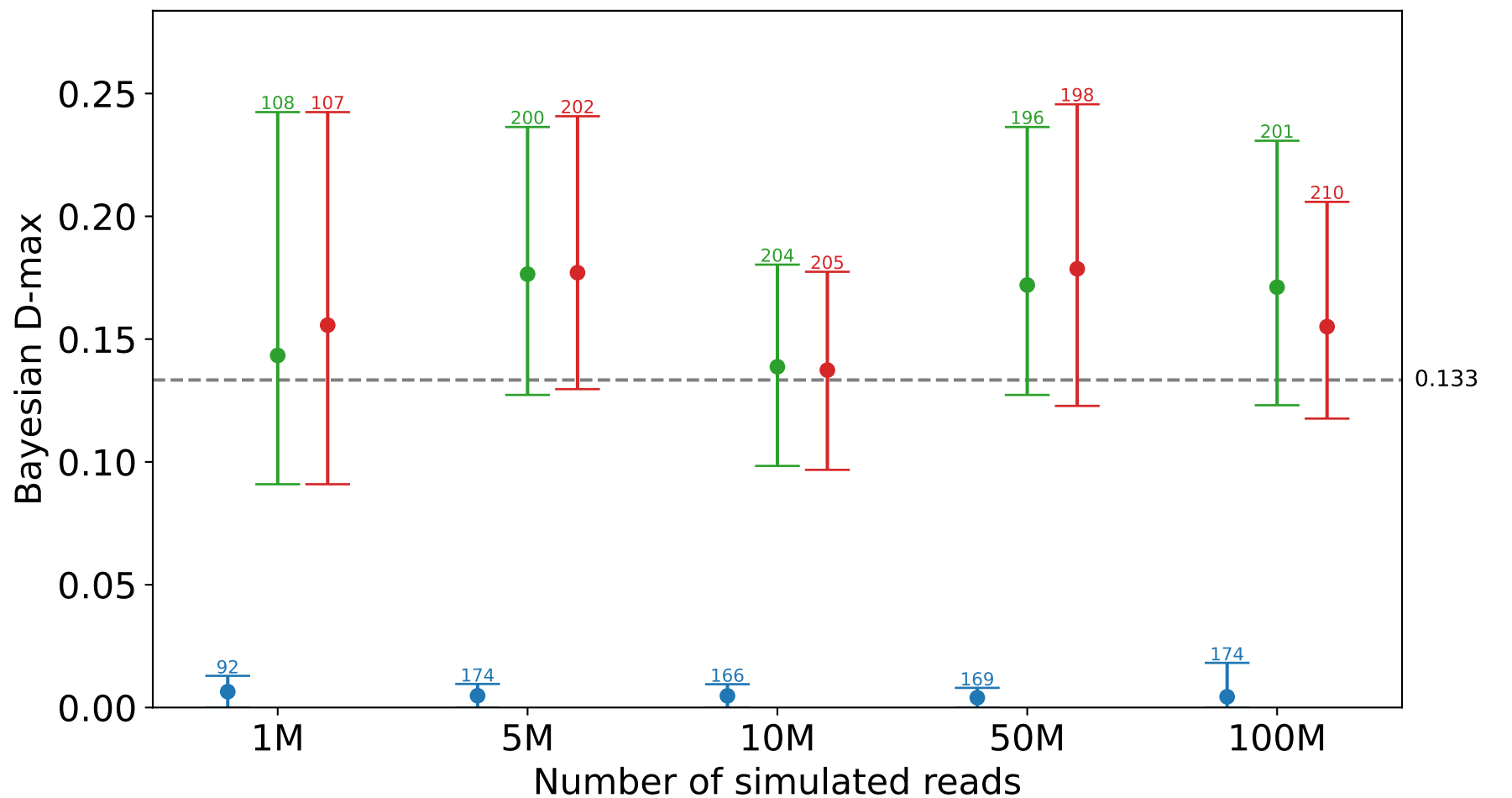
Only ancient: True

# Cave-22, Tax ID: 126479 s\_\_Pseudomonas\_E mandelii\_C



Only ancient: True

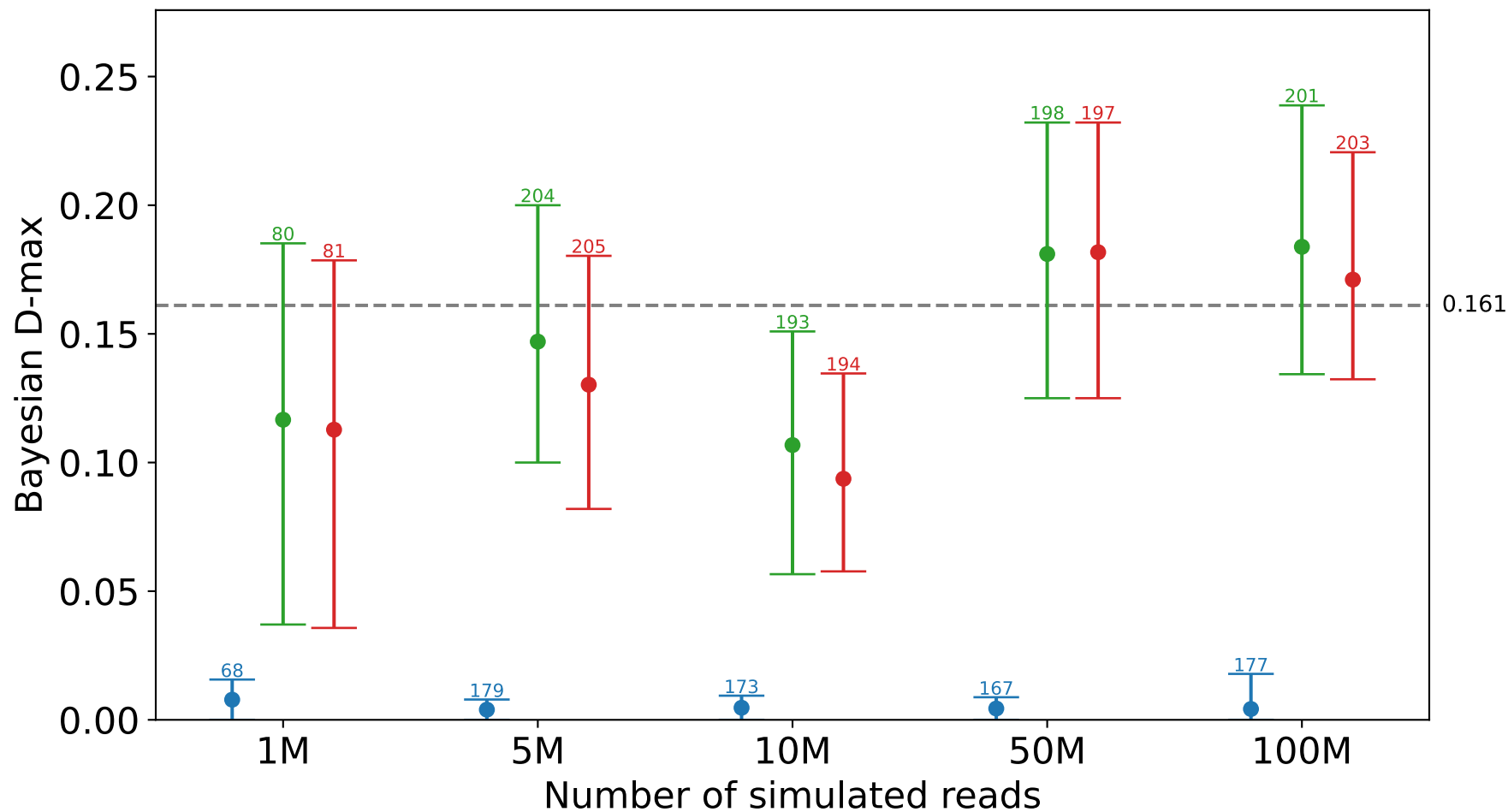
Cave-22, Tax ID: 130805  
s\_\_Pseudomonas\_E frederiksbergensis\_E





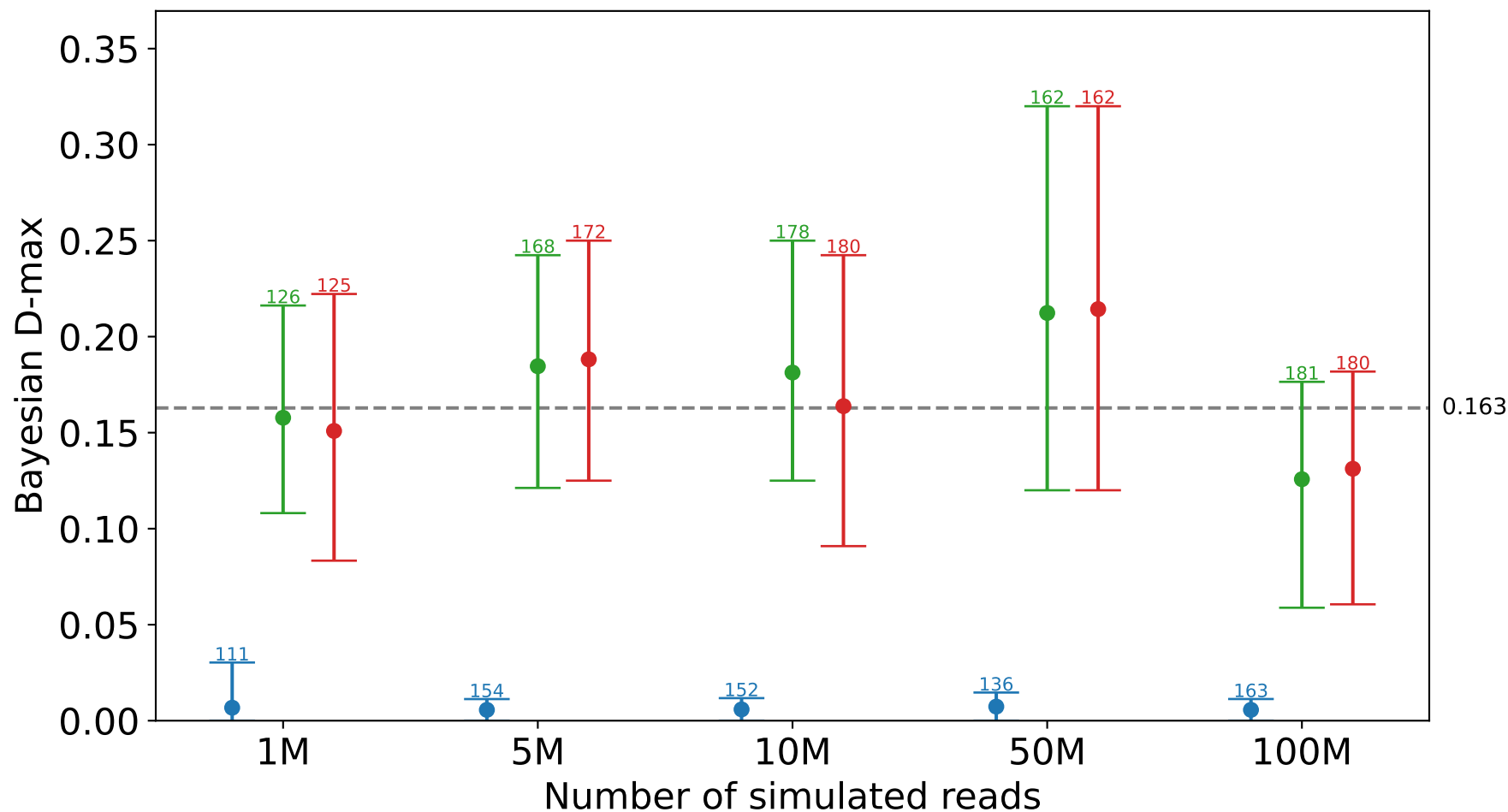
Only ancient: True

Cave-22, Tax ID: 117958  
s\_\_Pseudomonas\_E fluorescens\_N



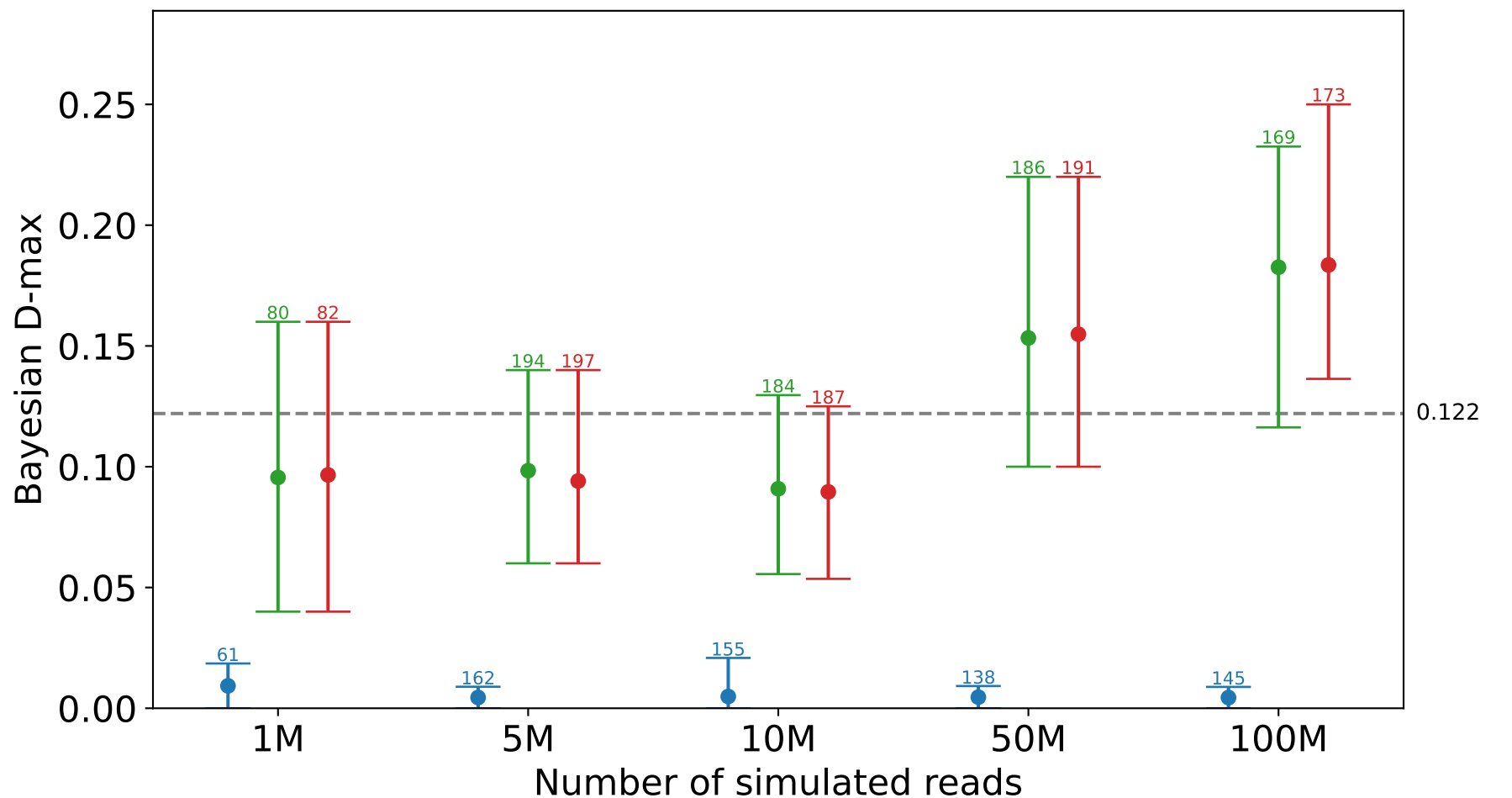
Only ancient: True

# Cave-22, Tax ID: 120001 s\_\_Enterococcus\_B pernyi



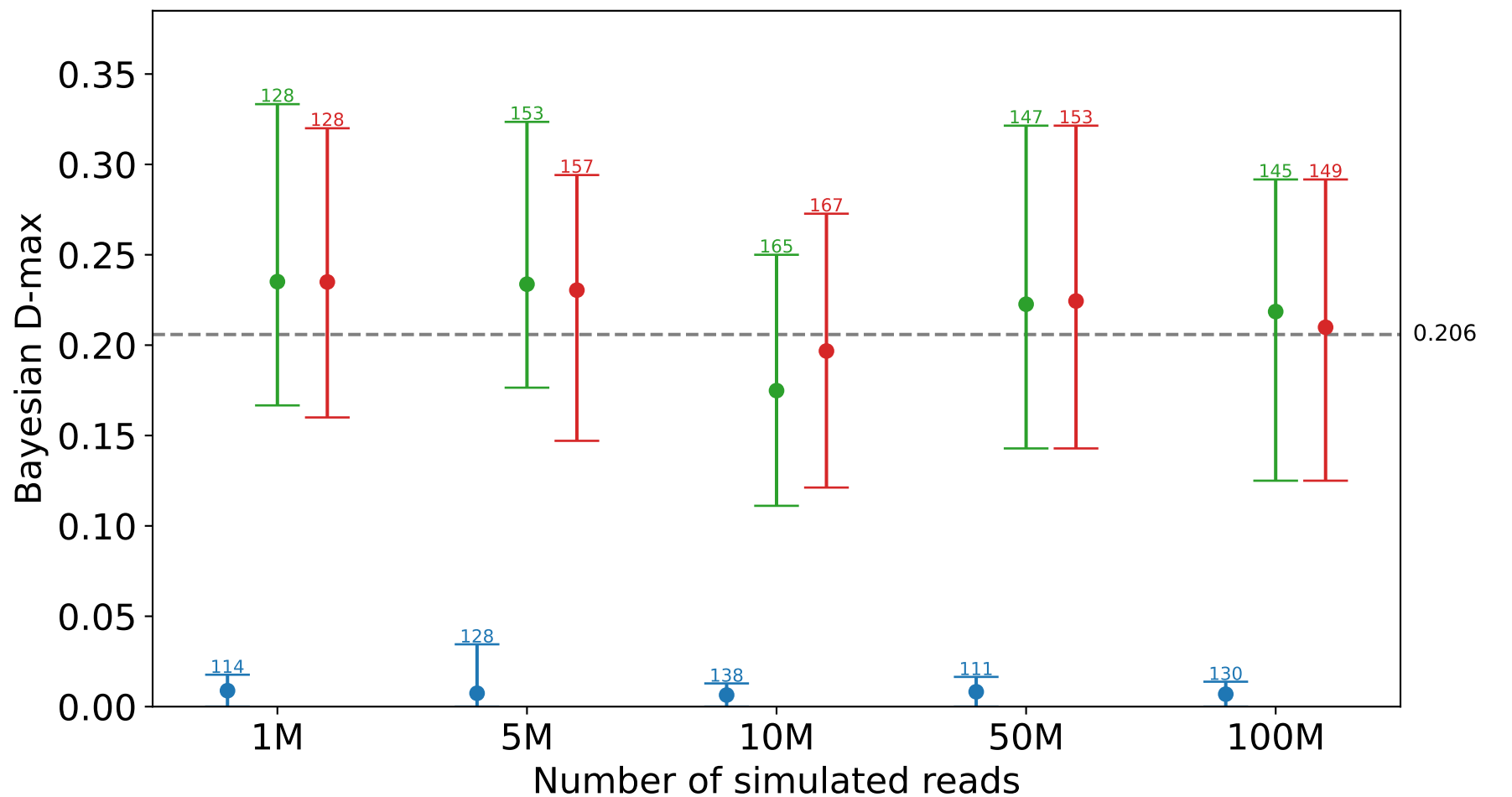
Only ancient: True

Cave-22, Tax ID: 117783  
s\_\_Pseudomonas\_E sp900187425



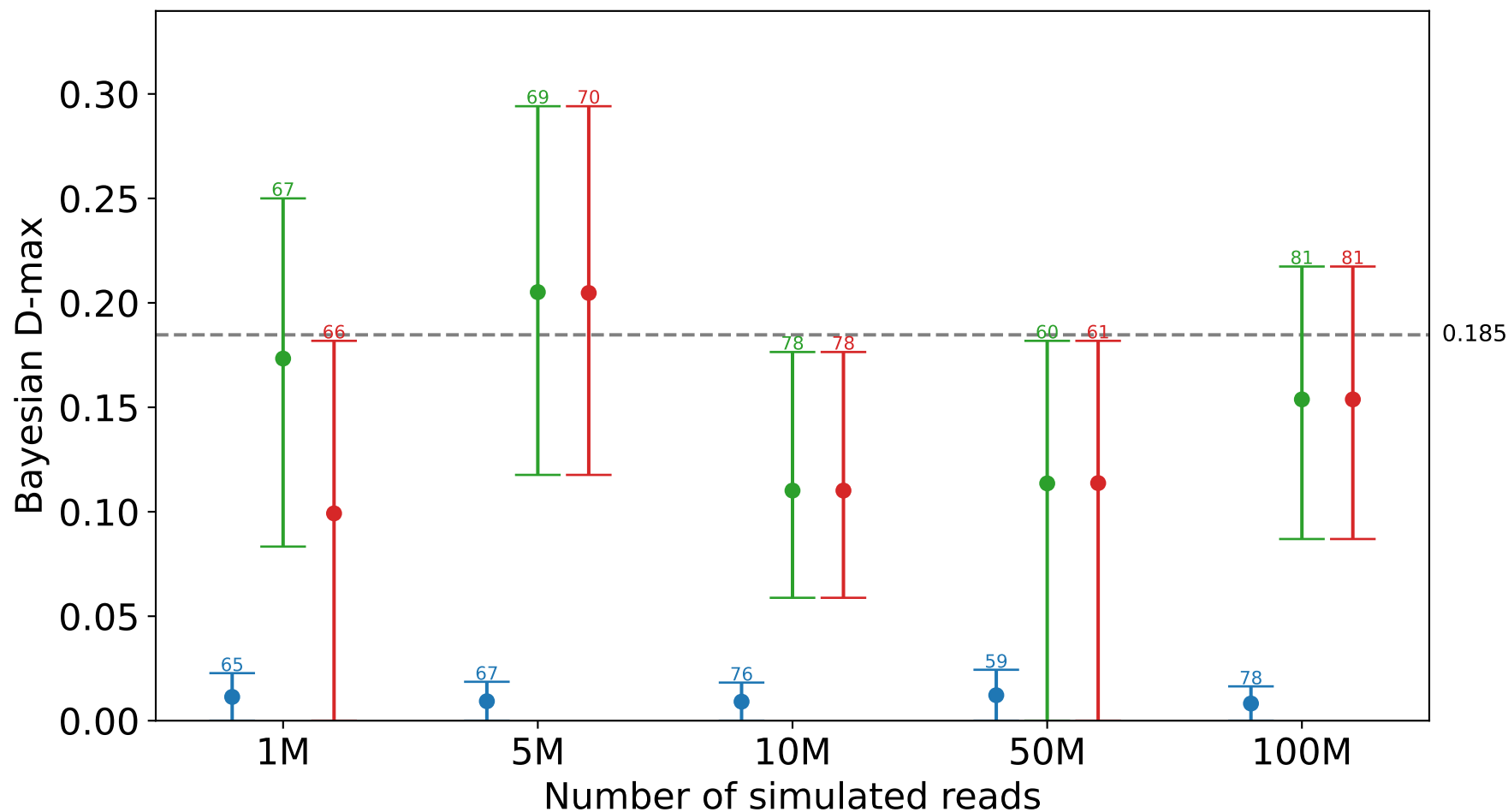
Only ancient: True

# Cave-22, Tax ID: 116333 s\_\_Enterococcus\_B mundtii\_C



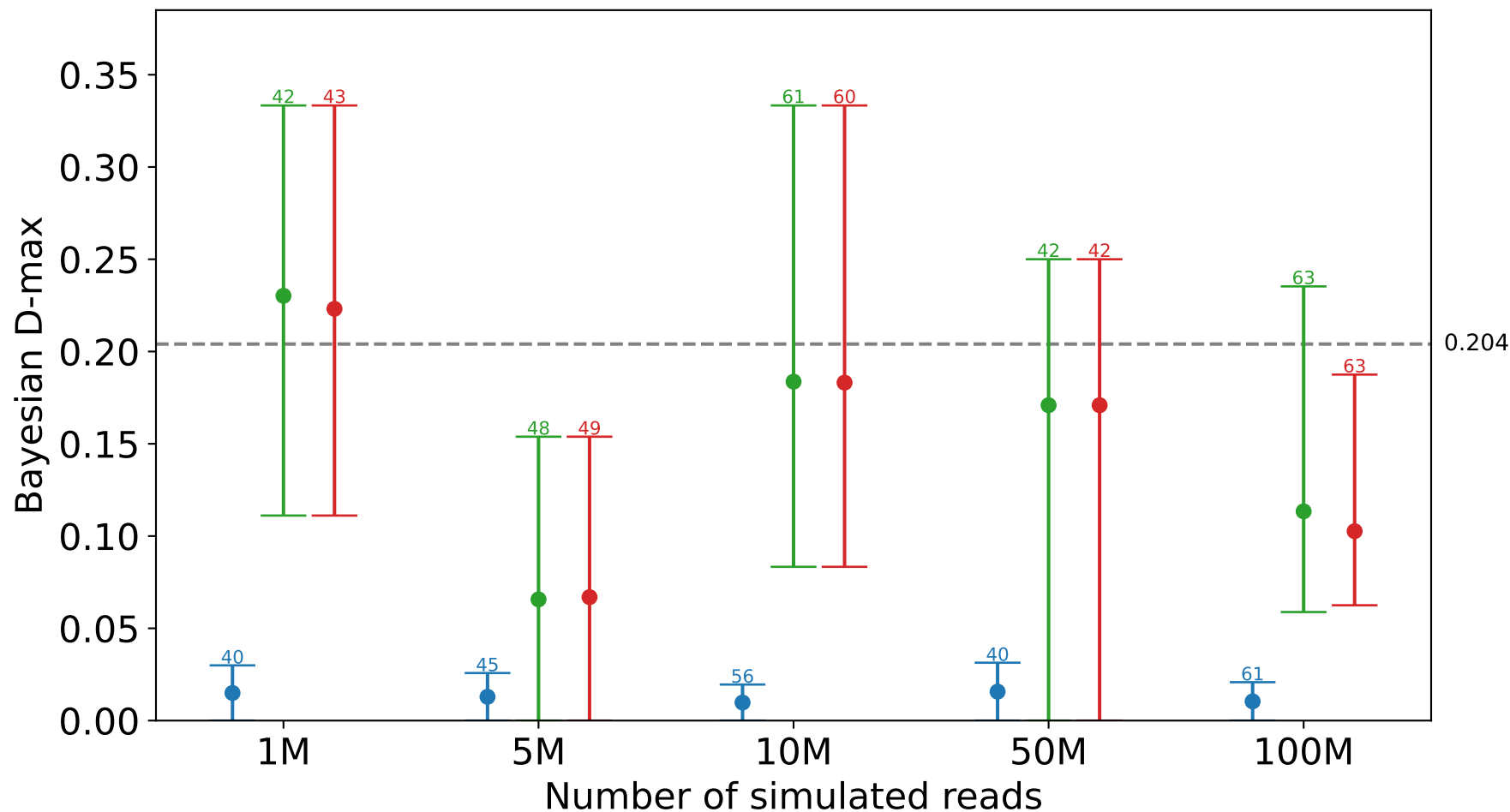
Only ancient: True

# Cave-22, Tax ID: 136710 s\_\_Aegilops speltoides



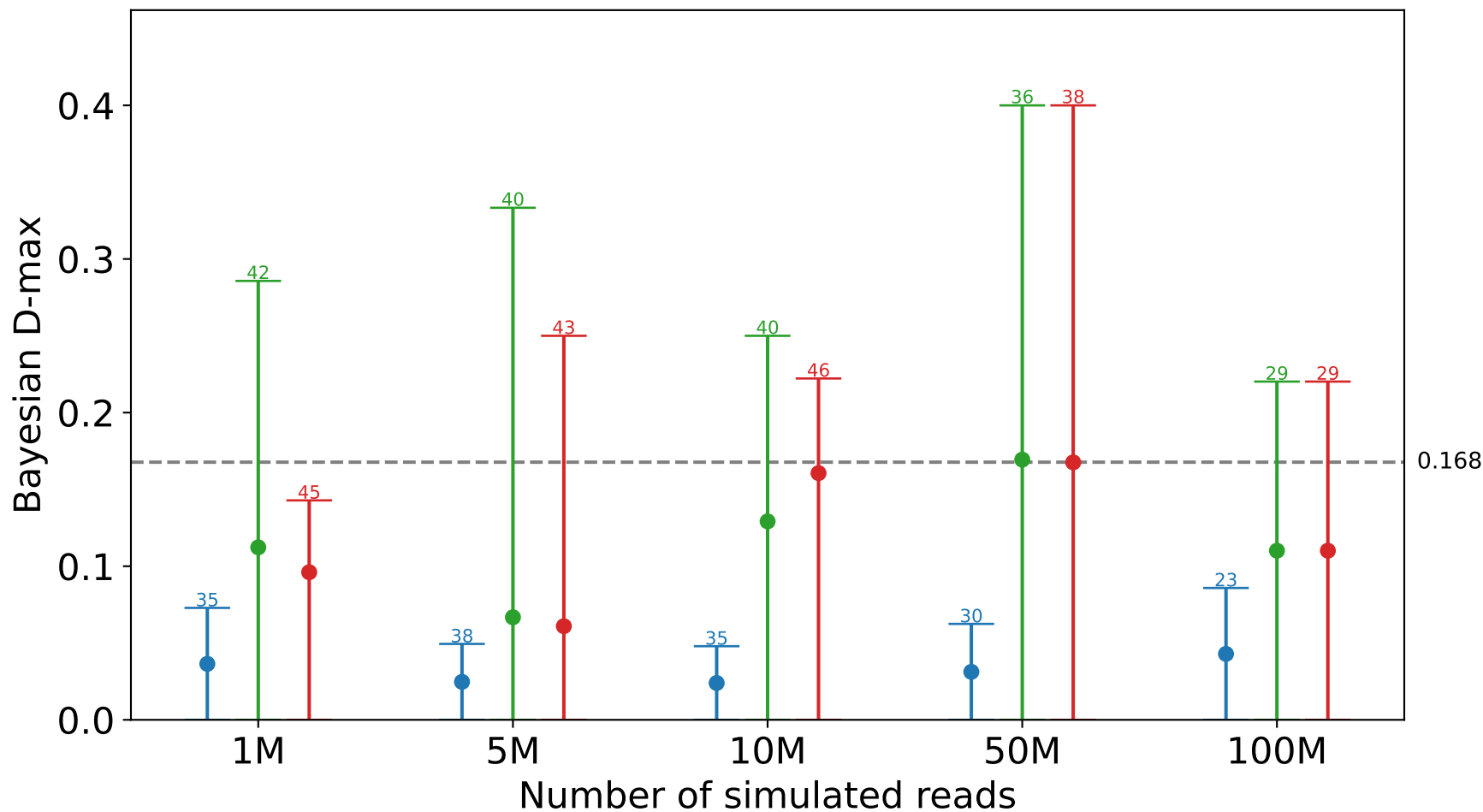
Only ancient: True

# Cave-22, Tax ID: 133056 s\_\_Triticum aestivum



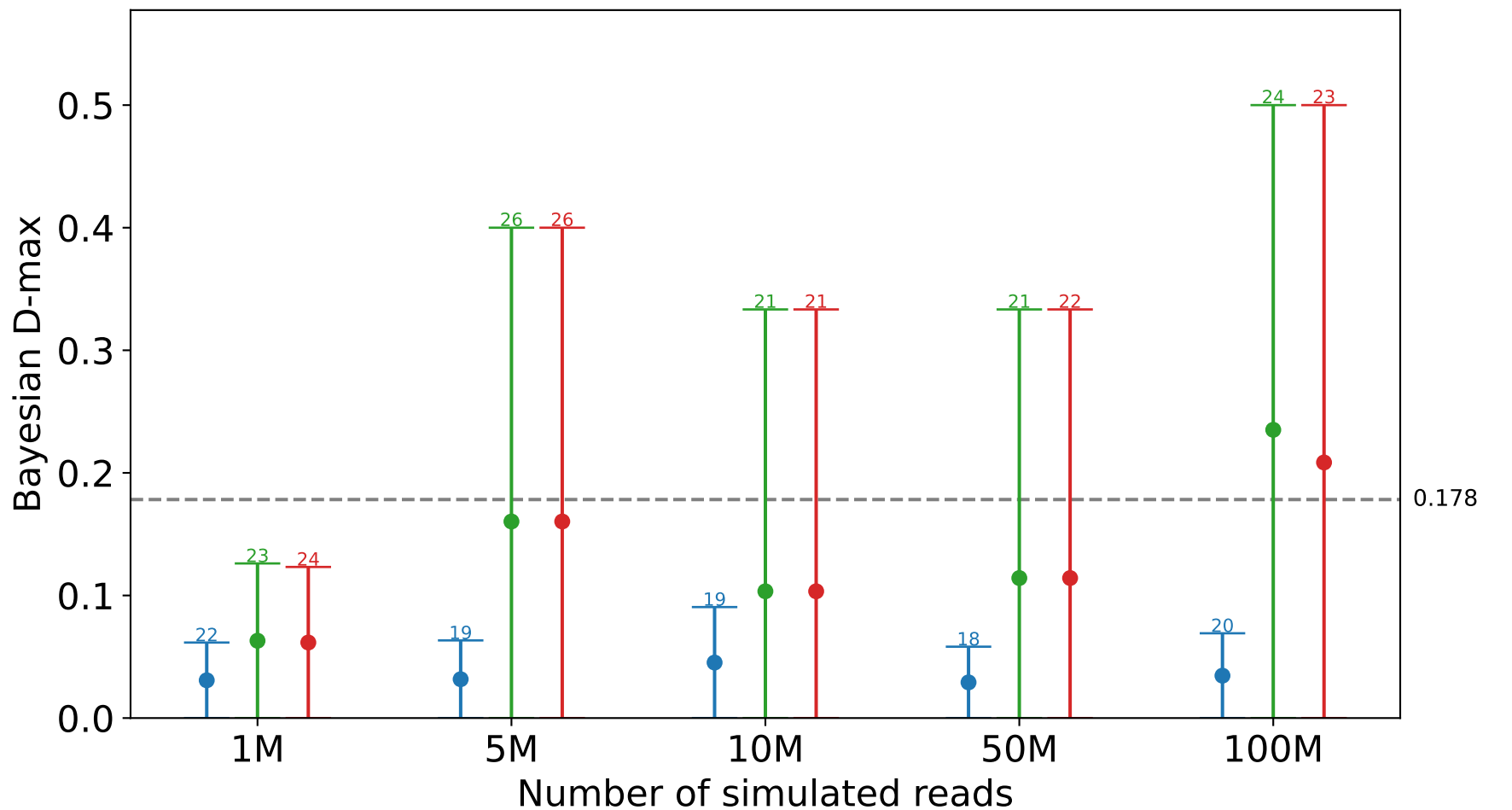
Only ancient: True

# Cave-22, Tax ID: 137430 s\_Juniperus monosperma



Only ancient: True

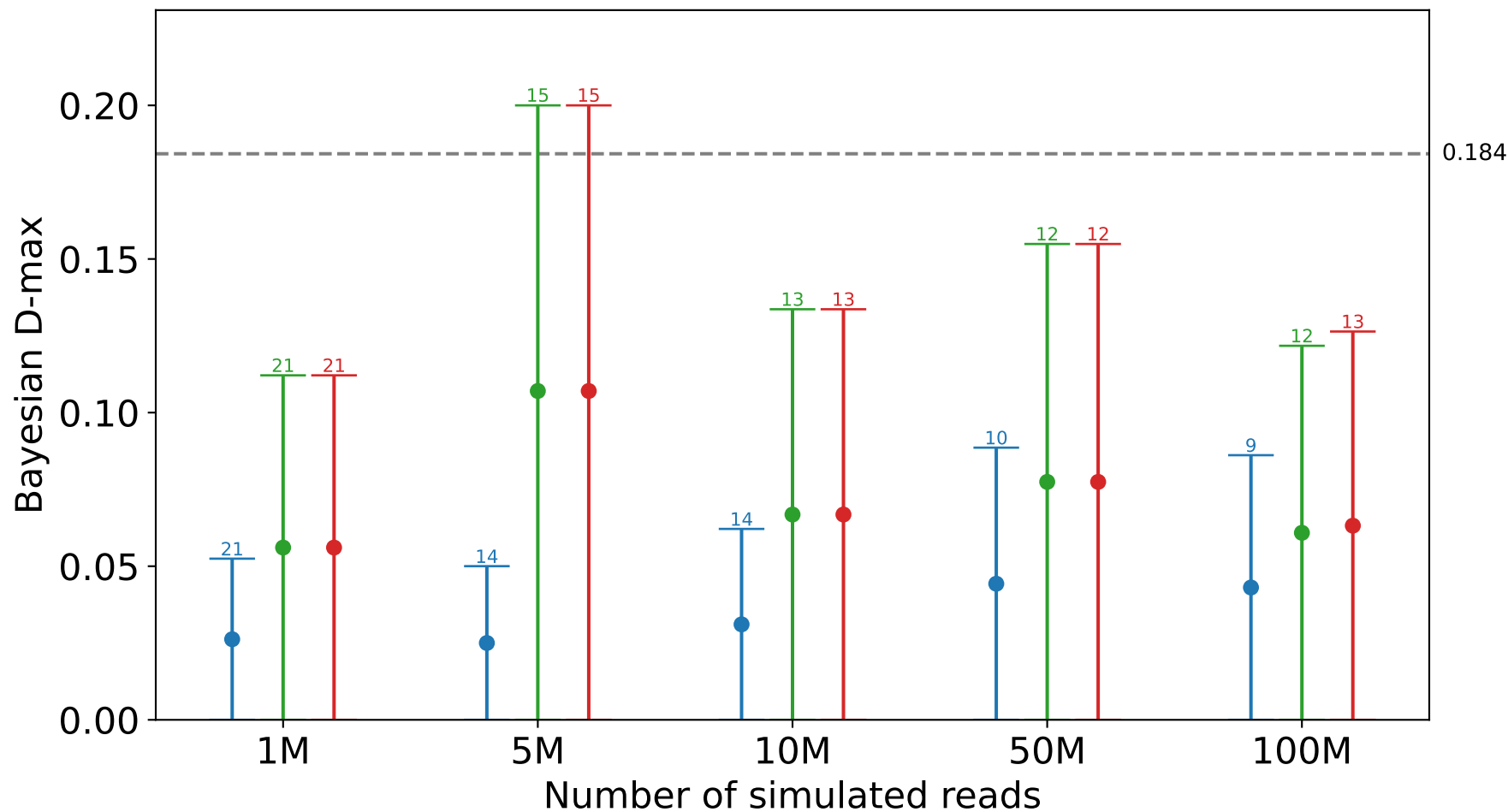
# Cave-22, Tax ID: 139370 s\_Juniperus cedrus





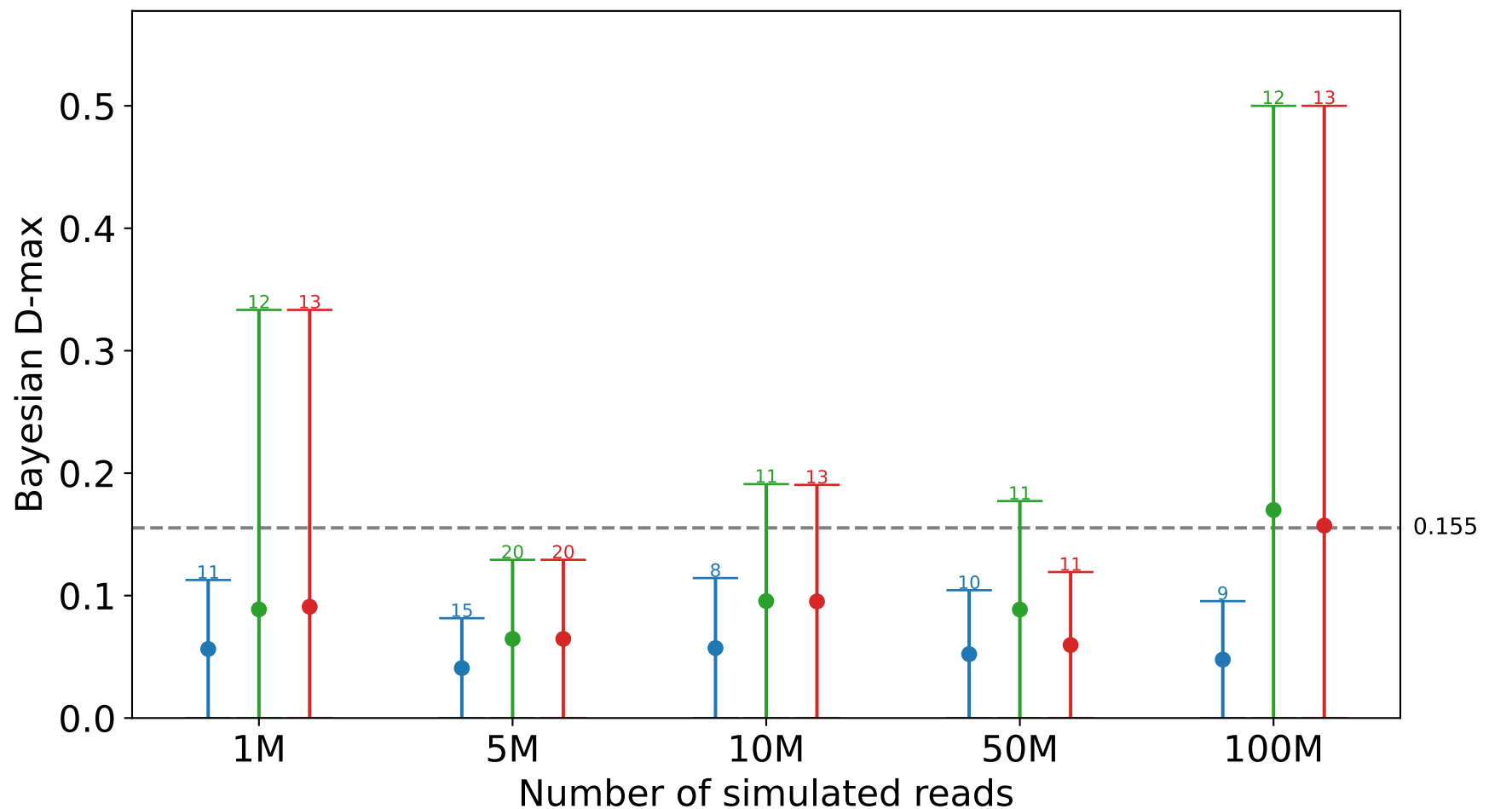
Only ancient: True

# Cave-22, Tax ID: 136940 s\_\_Triticum timopheevii



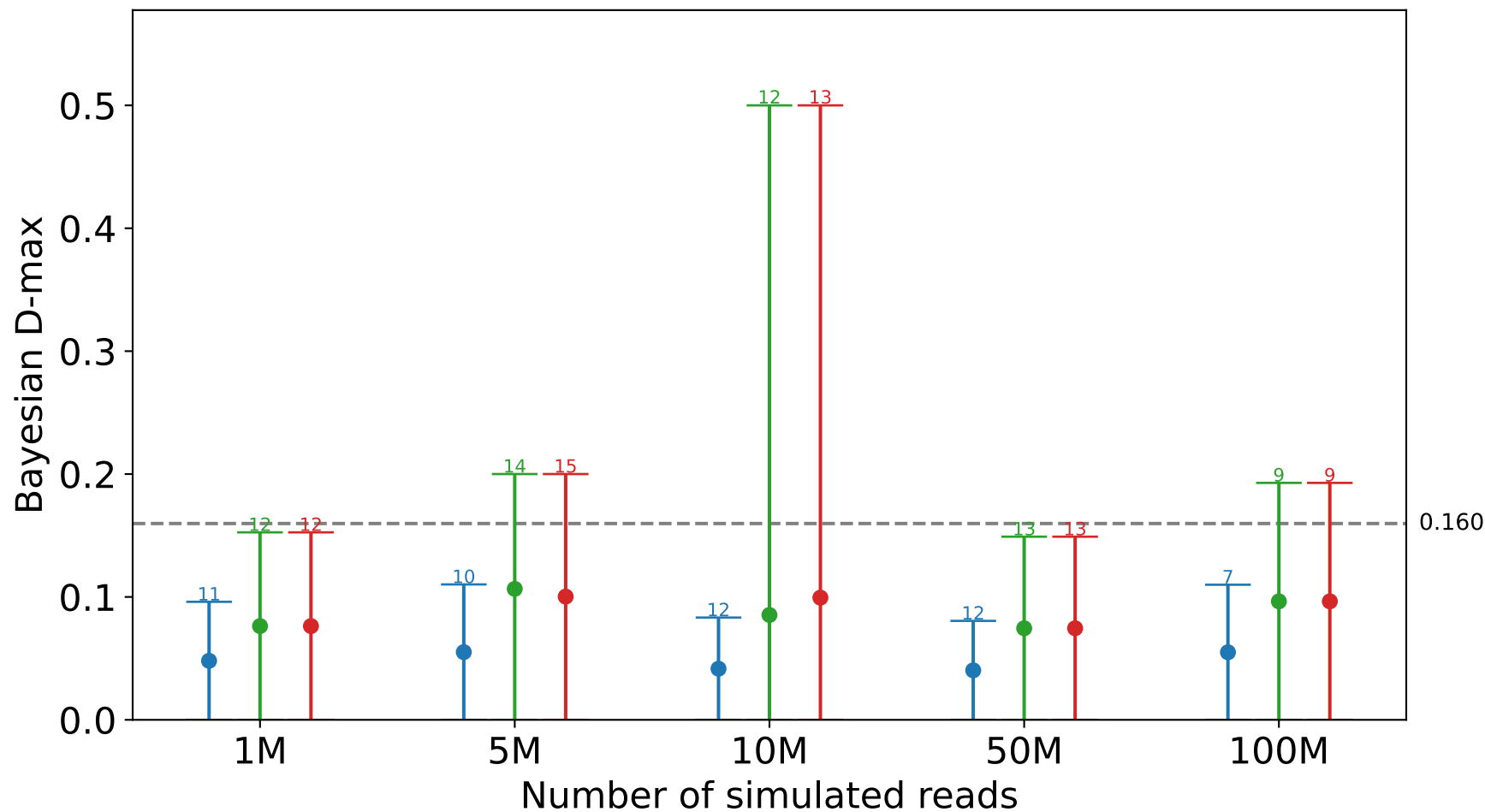
Only ancient: True

# Cave-22, Tax ID: 145310 s\_Juniperus tibetica



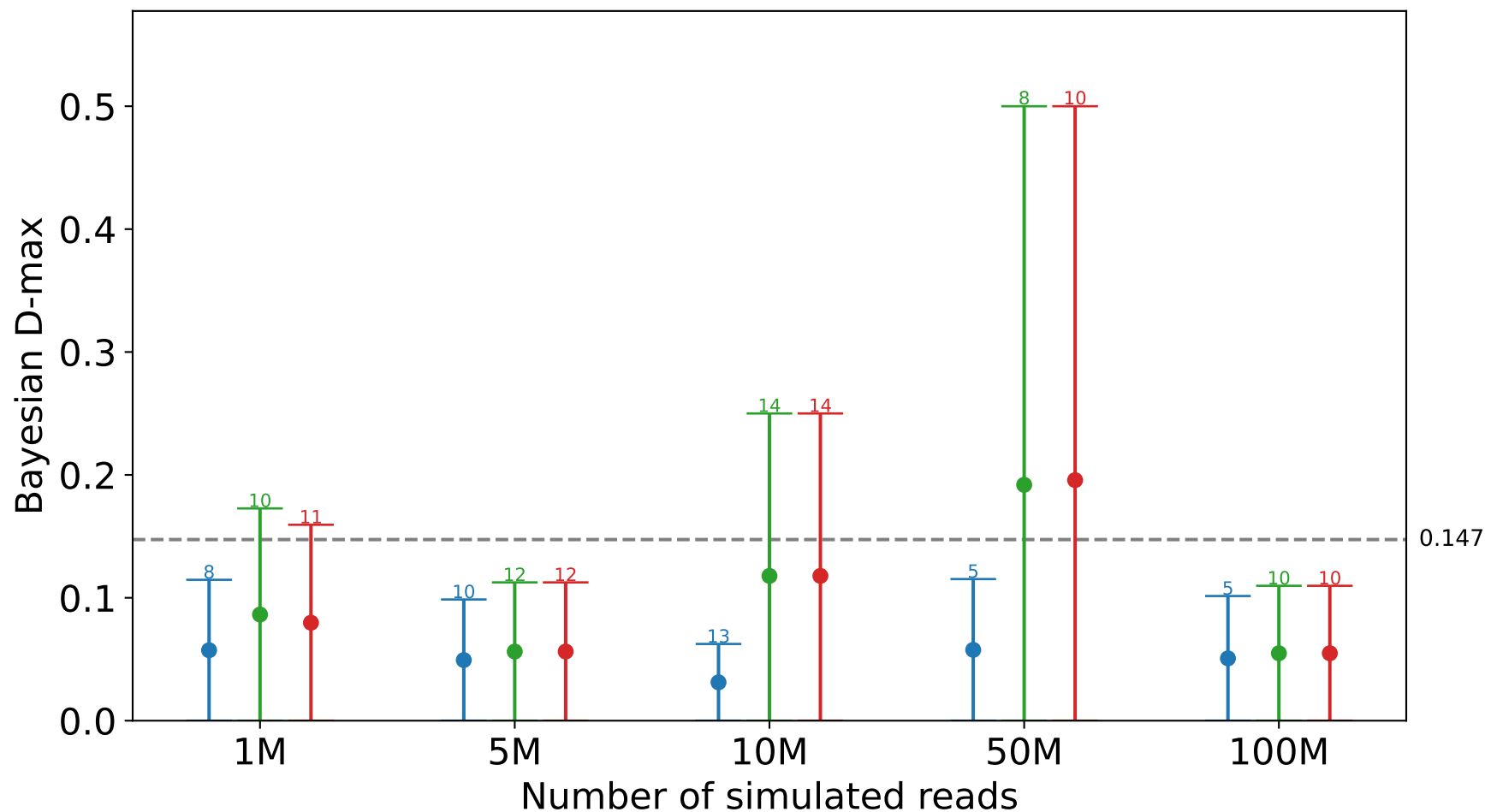
Only ancient: True

# Cave-22, Tax ID: 144455 s\_Juniperus sabina



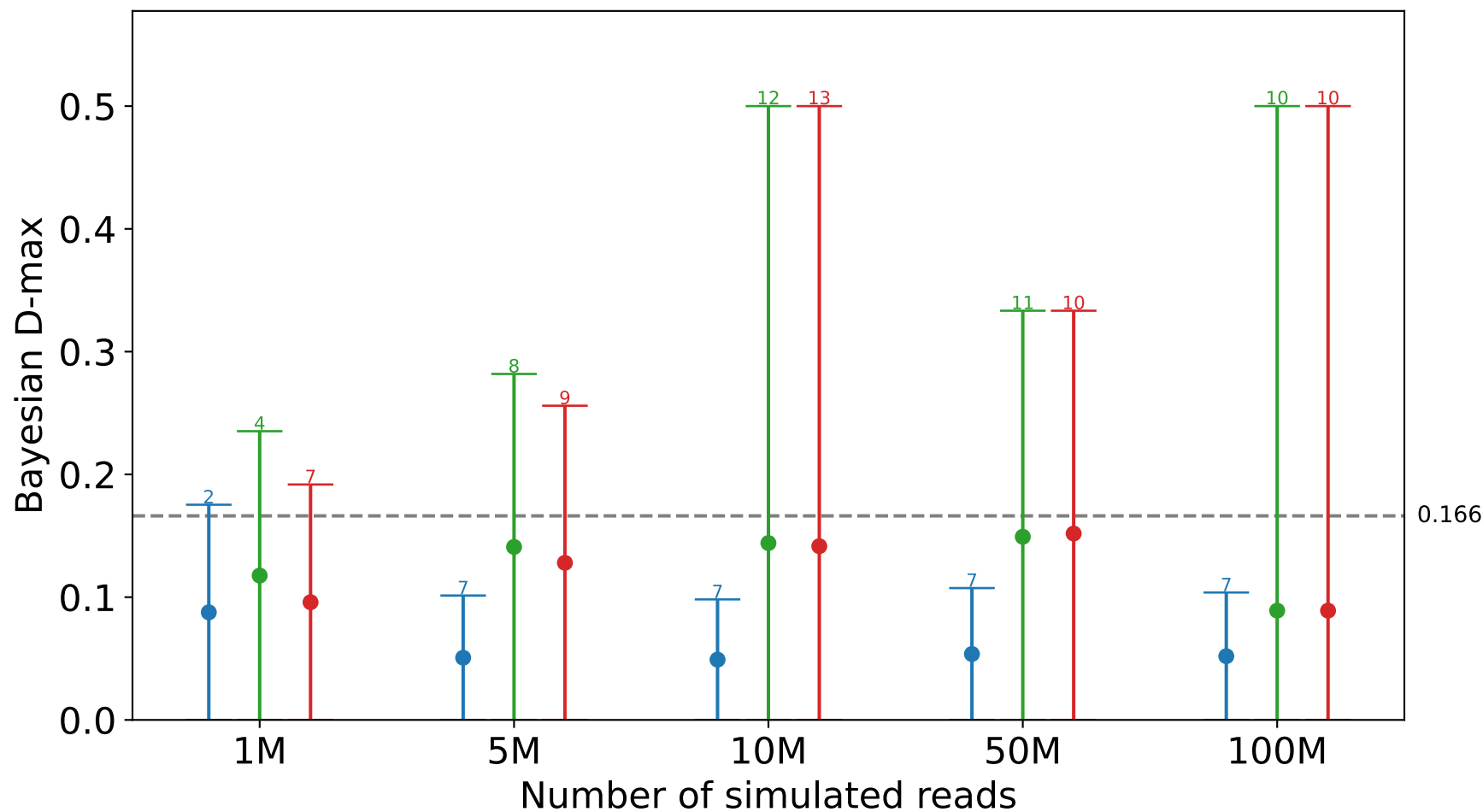
Only ancient: True

# Cave-22, Tax ID: 145834 s\_Juniperus recurva



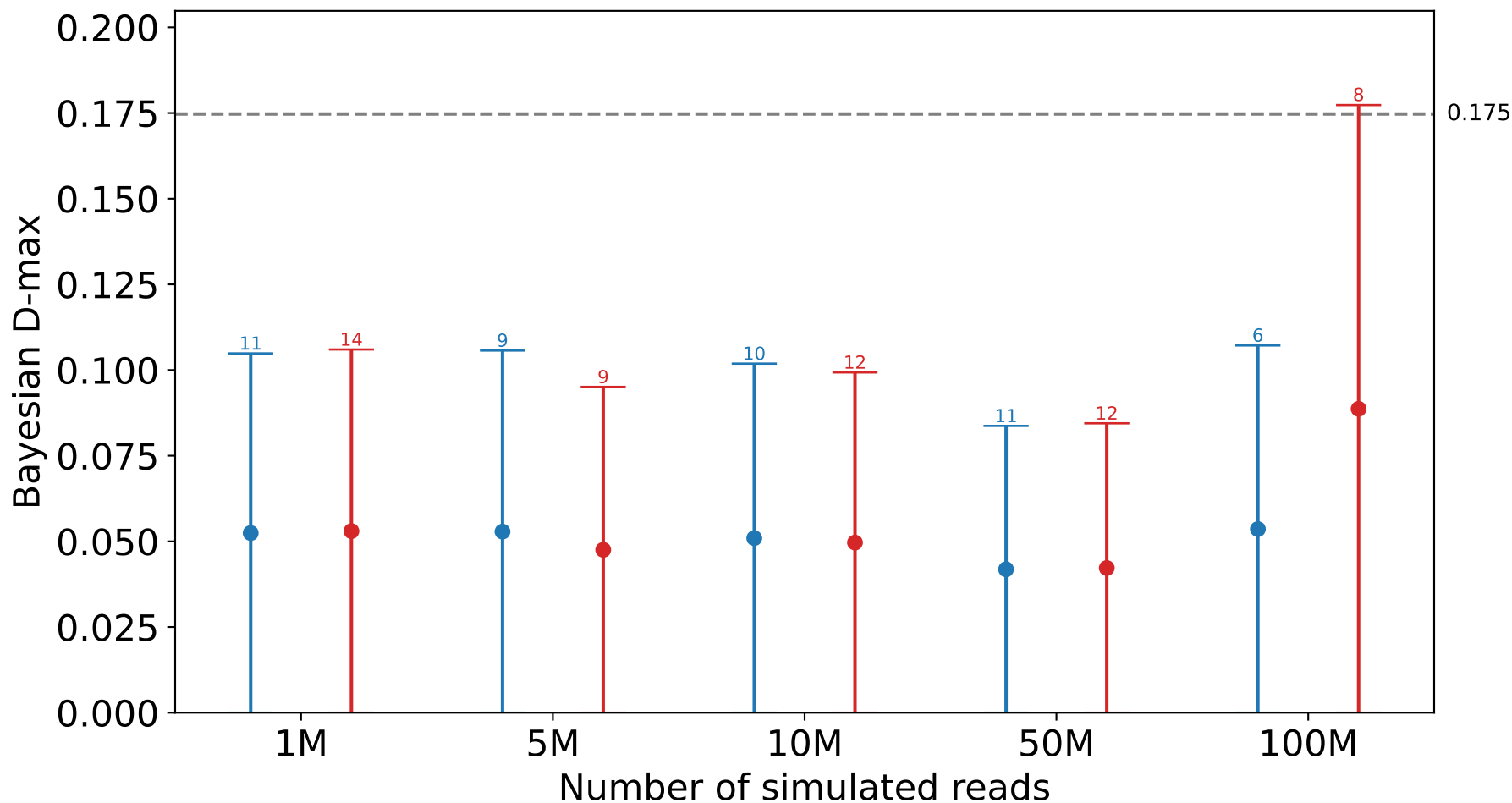
Only ancient: True

# Cave-22, Tax ID: 146203 s\_Juniperus squamata



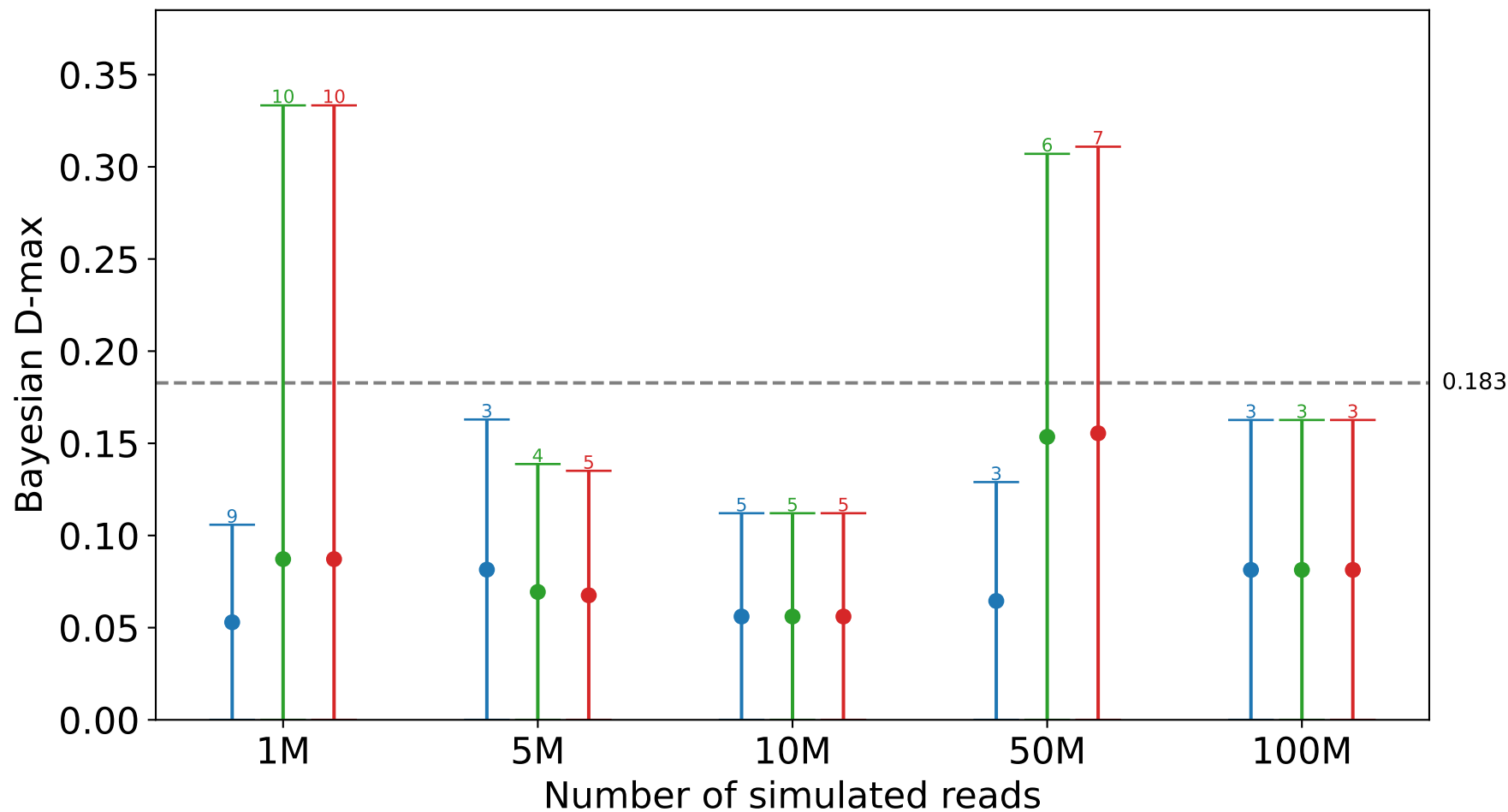
Only ancient: None

# Cave-22, Tax ID: 143591 s\_Juniperus microsperma



Only ancient: True

# Cave-22, Tax ID: 137431 s\_Juniperus scopulorum



Only ancient: True

# Cave-22, Tax ID: 137432 s\_Juniperus virginiana

