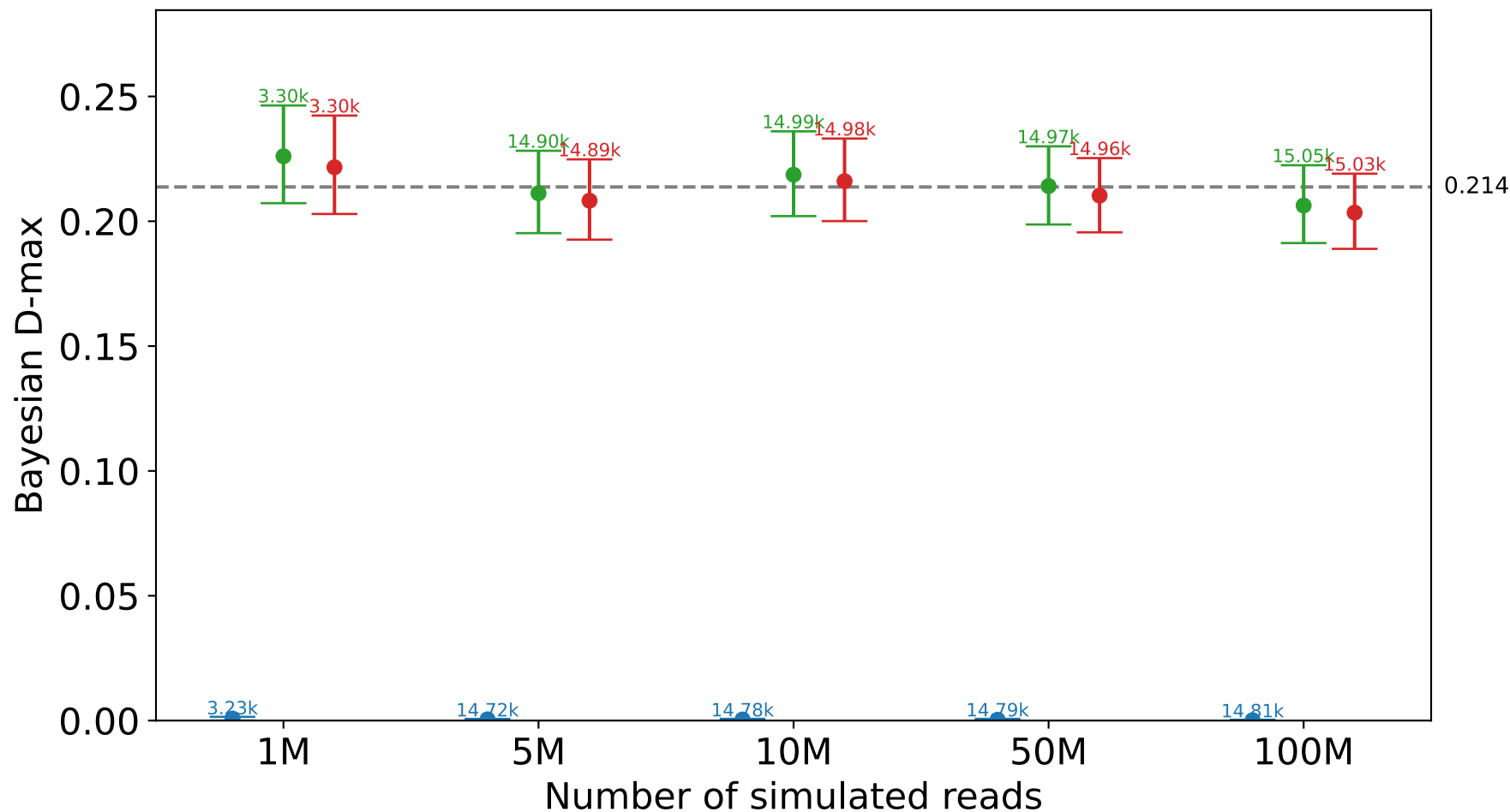


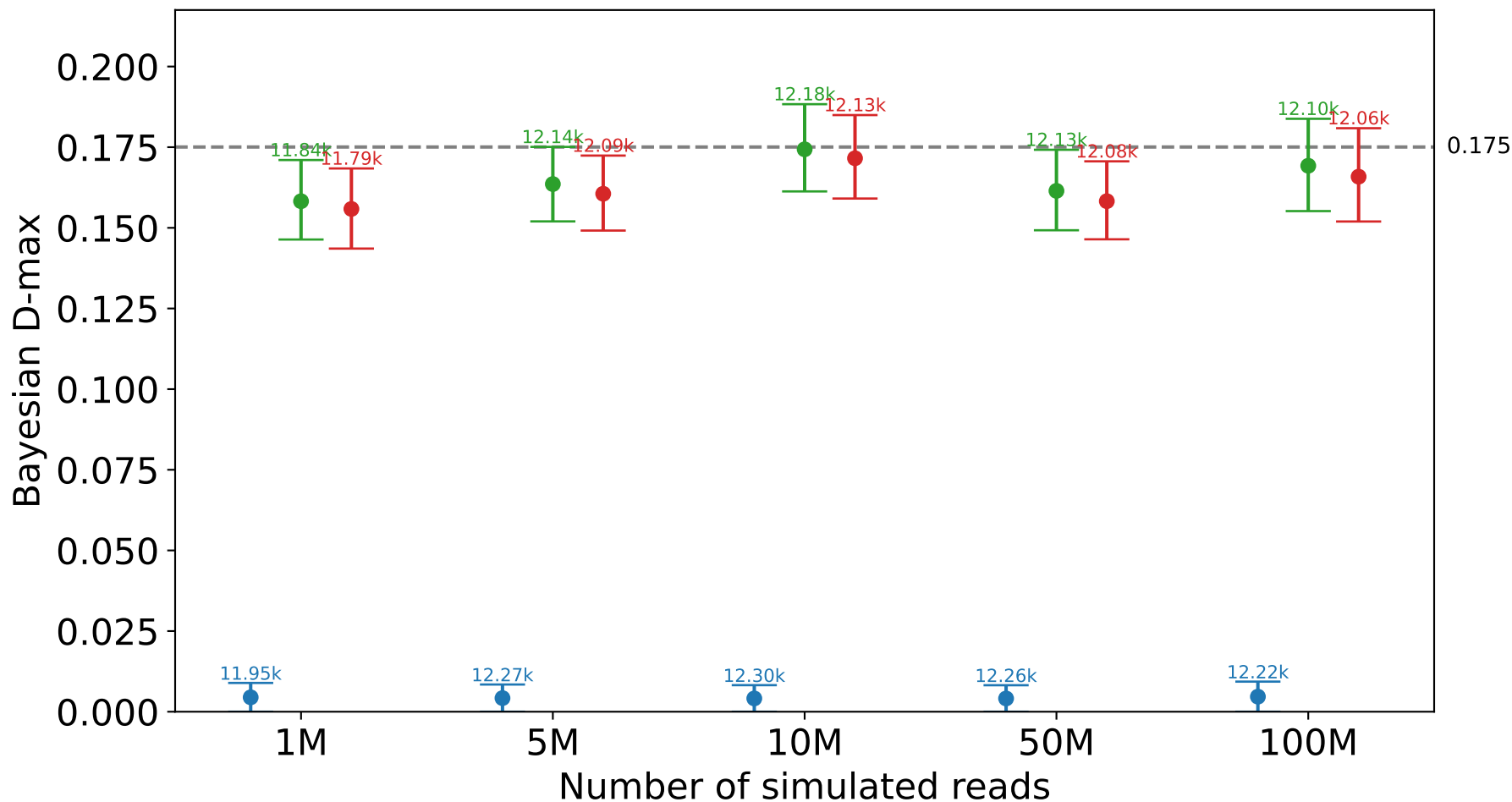
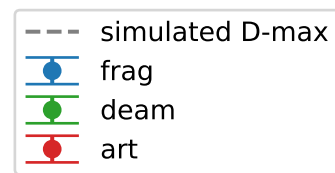
Only ancient: True

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



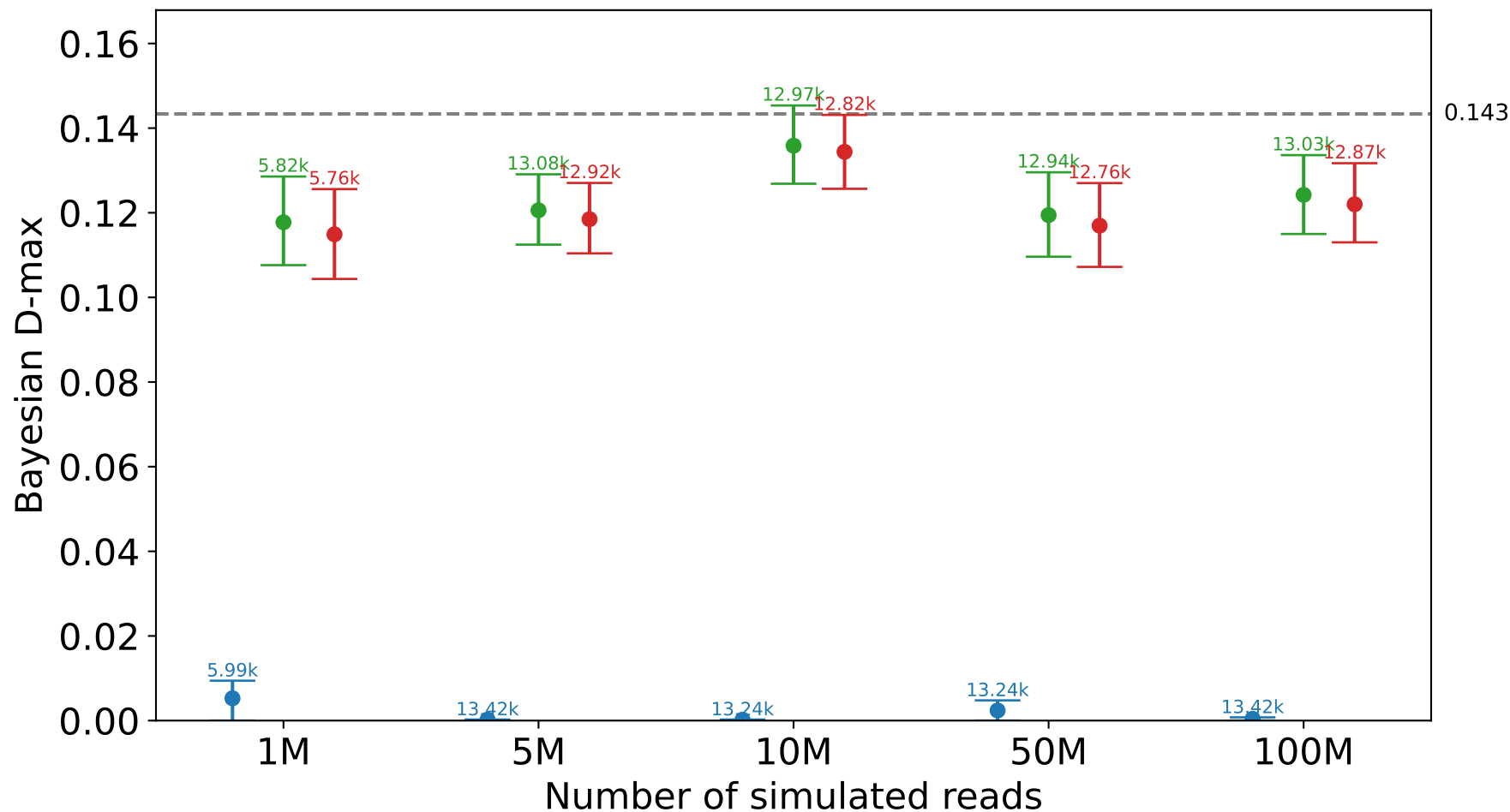
Only ancient: True

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



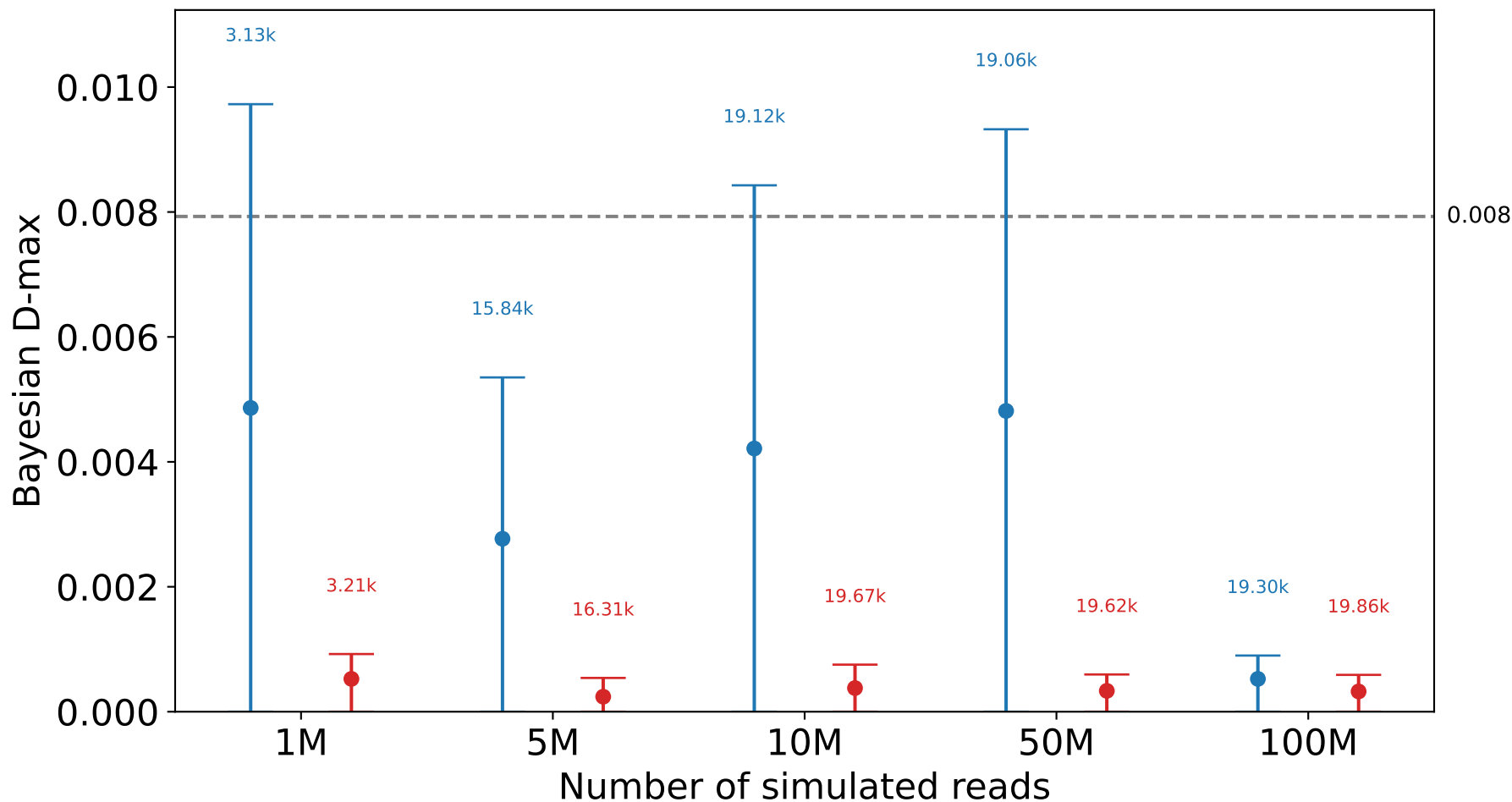
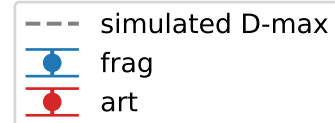
Only ancient: True

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



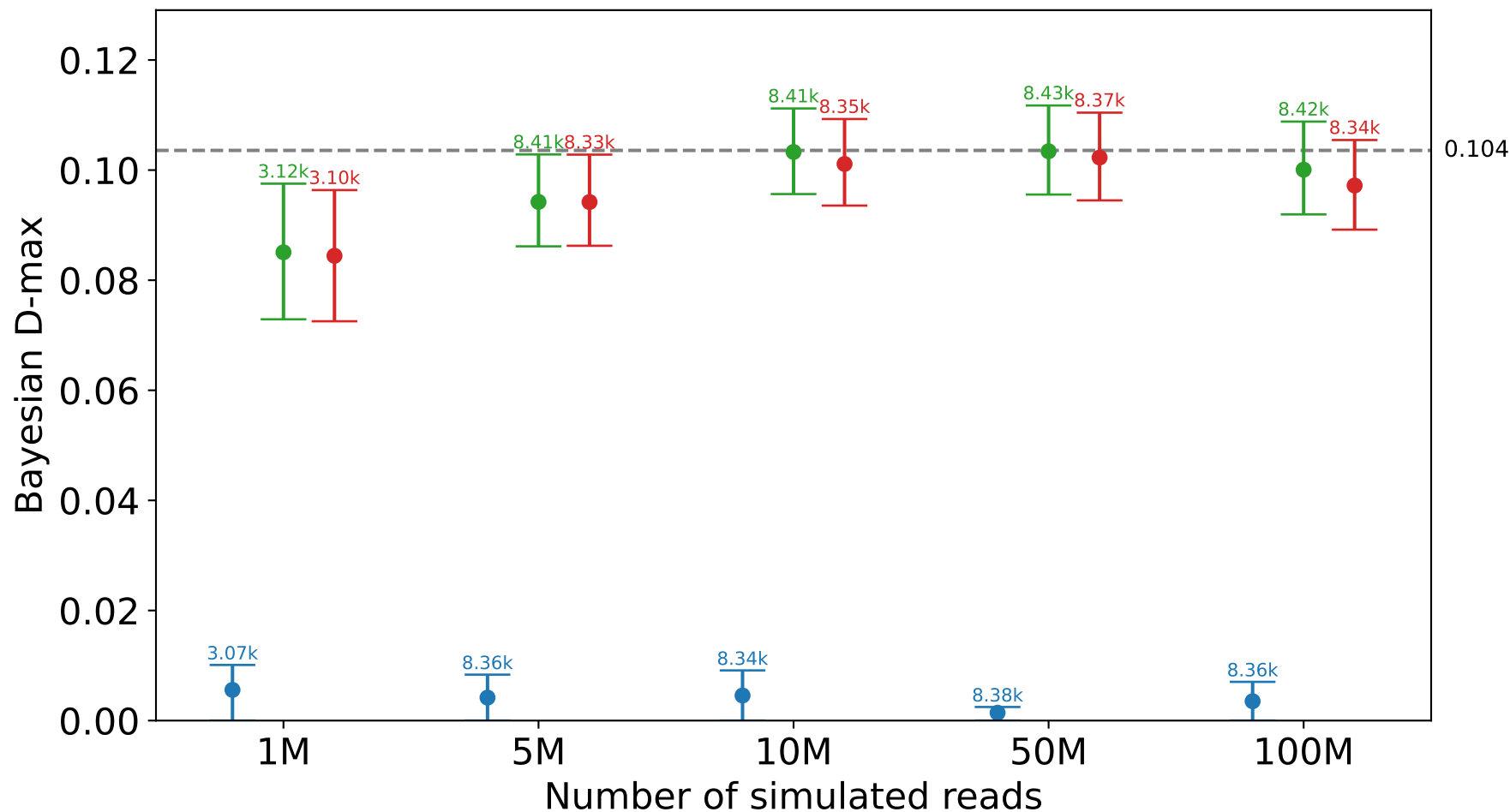
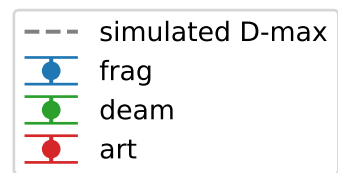
Only ancient: None

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



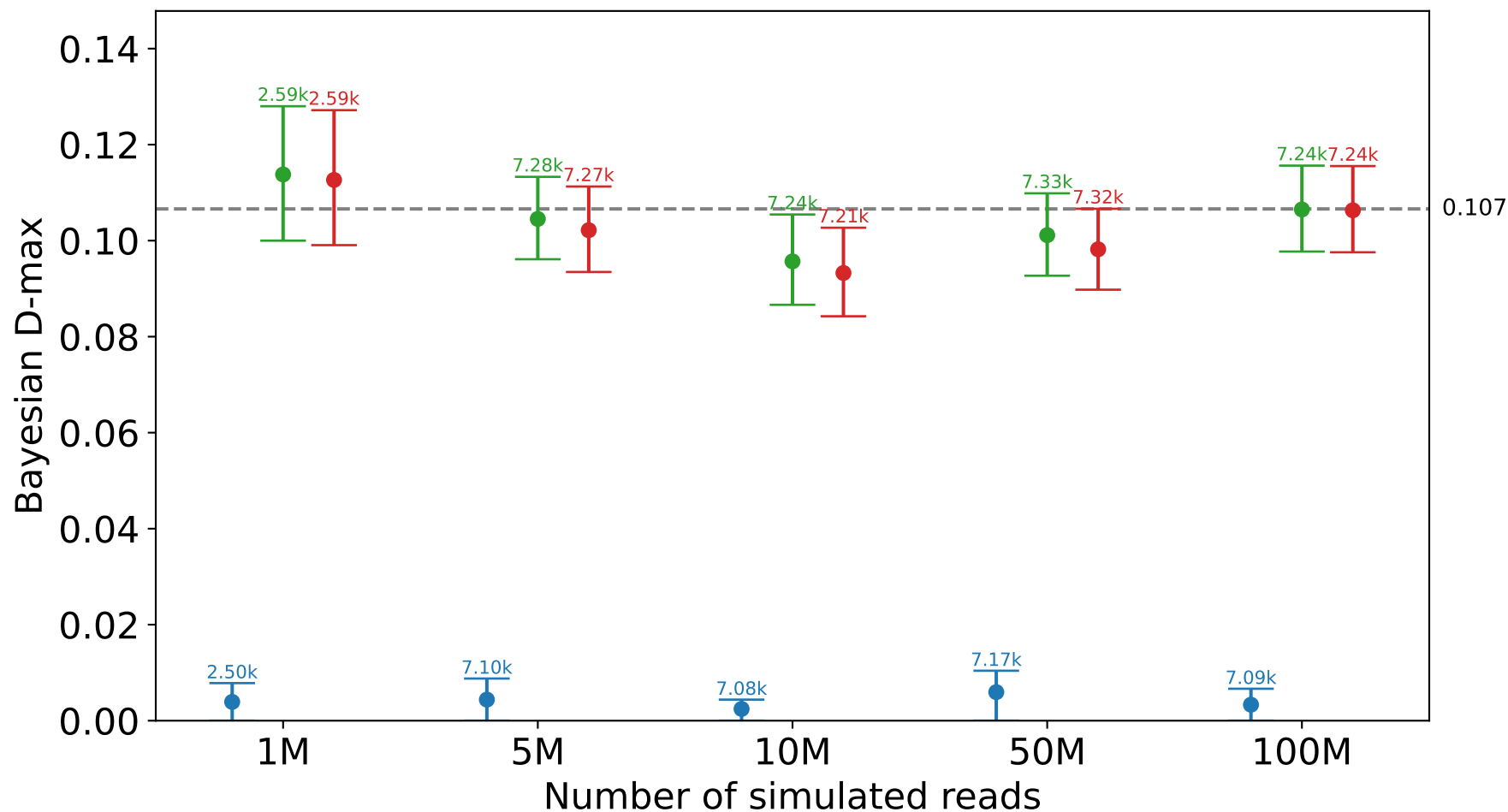
Only ancient: True

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



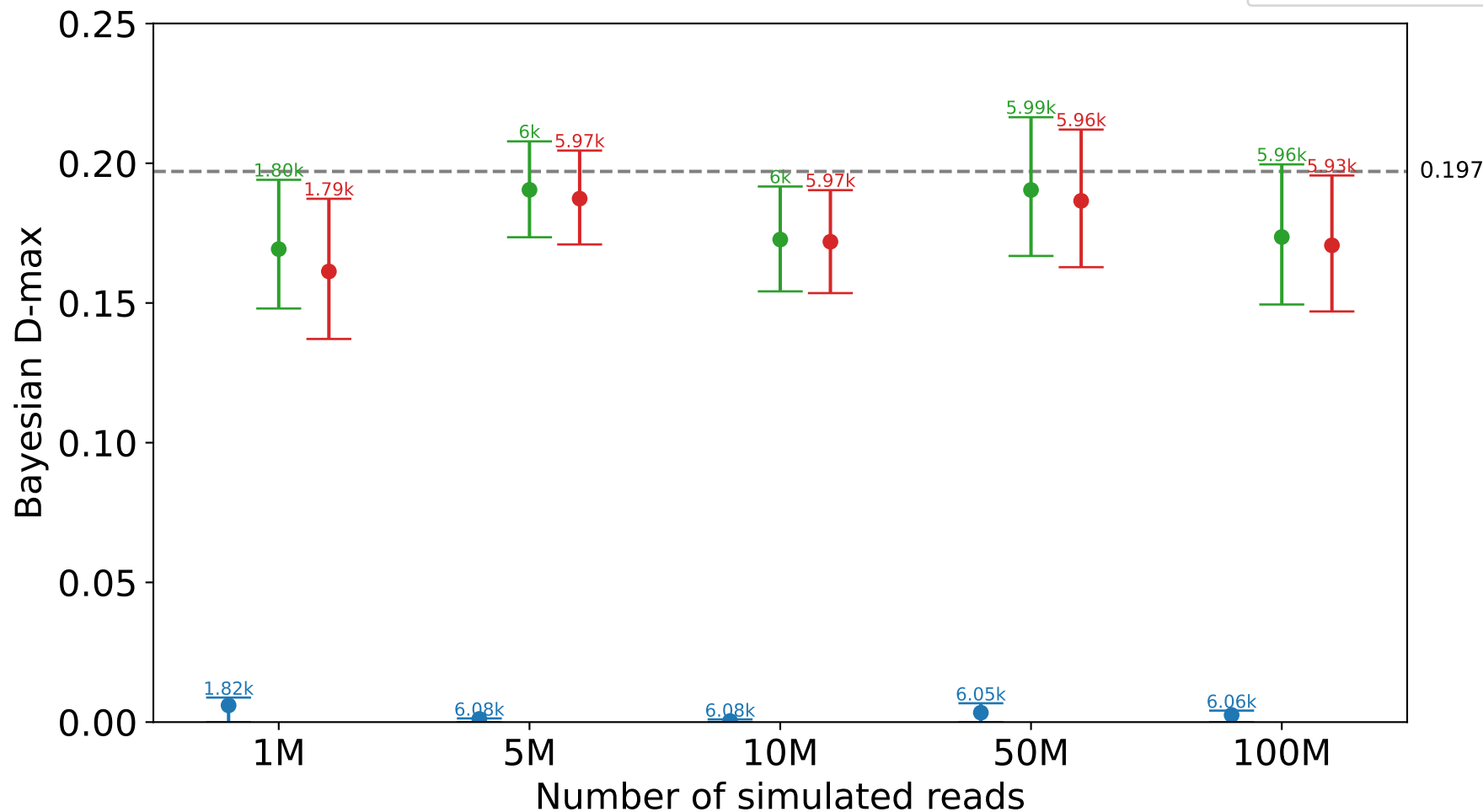
Only ancient: True

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



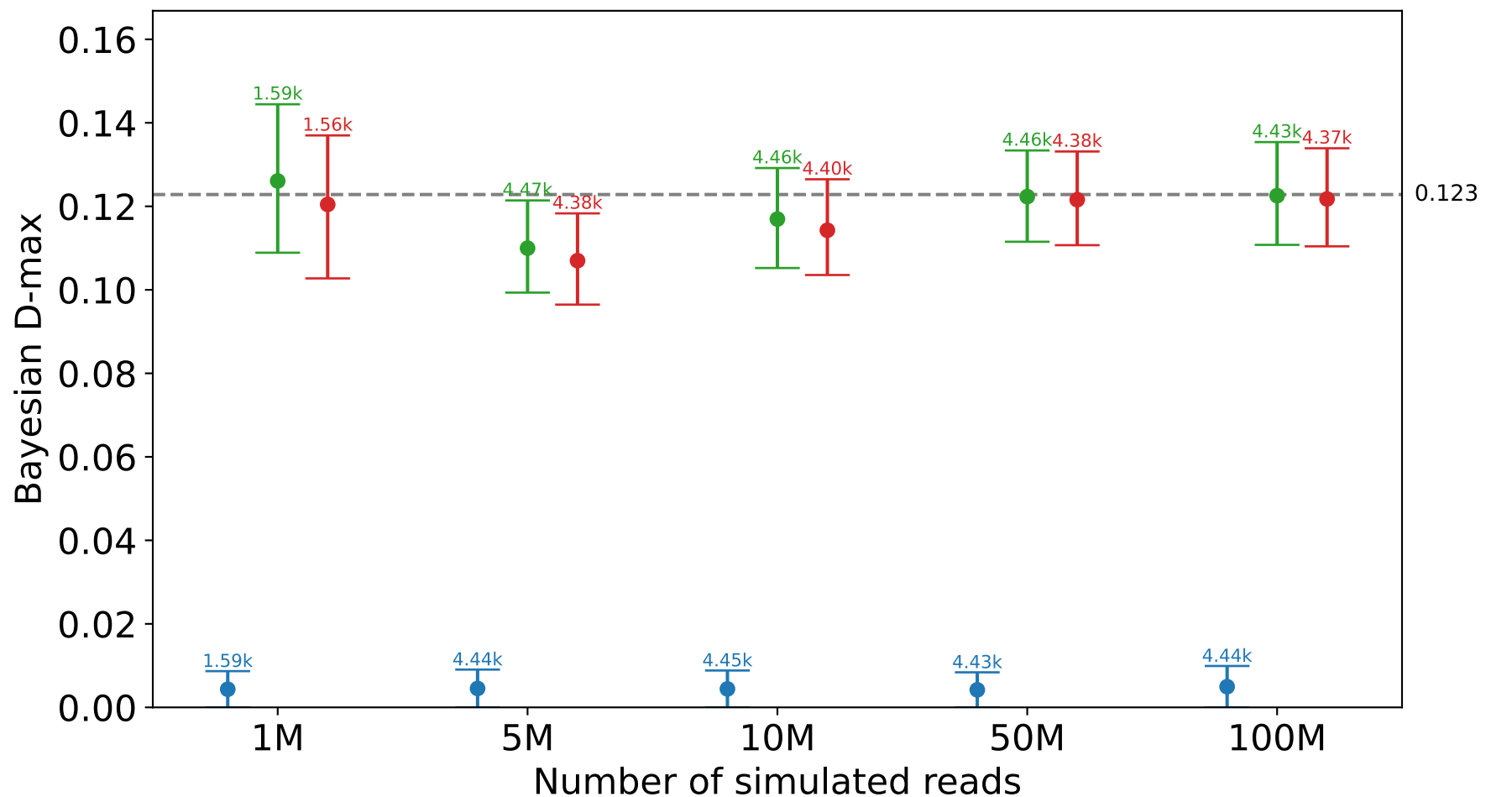
Only ancient: True

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



Only ancient: True

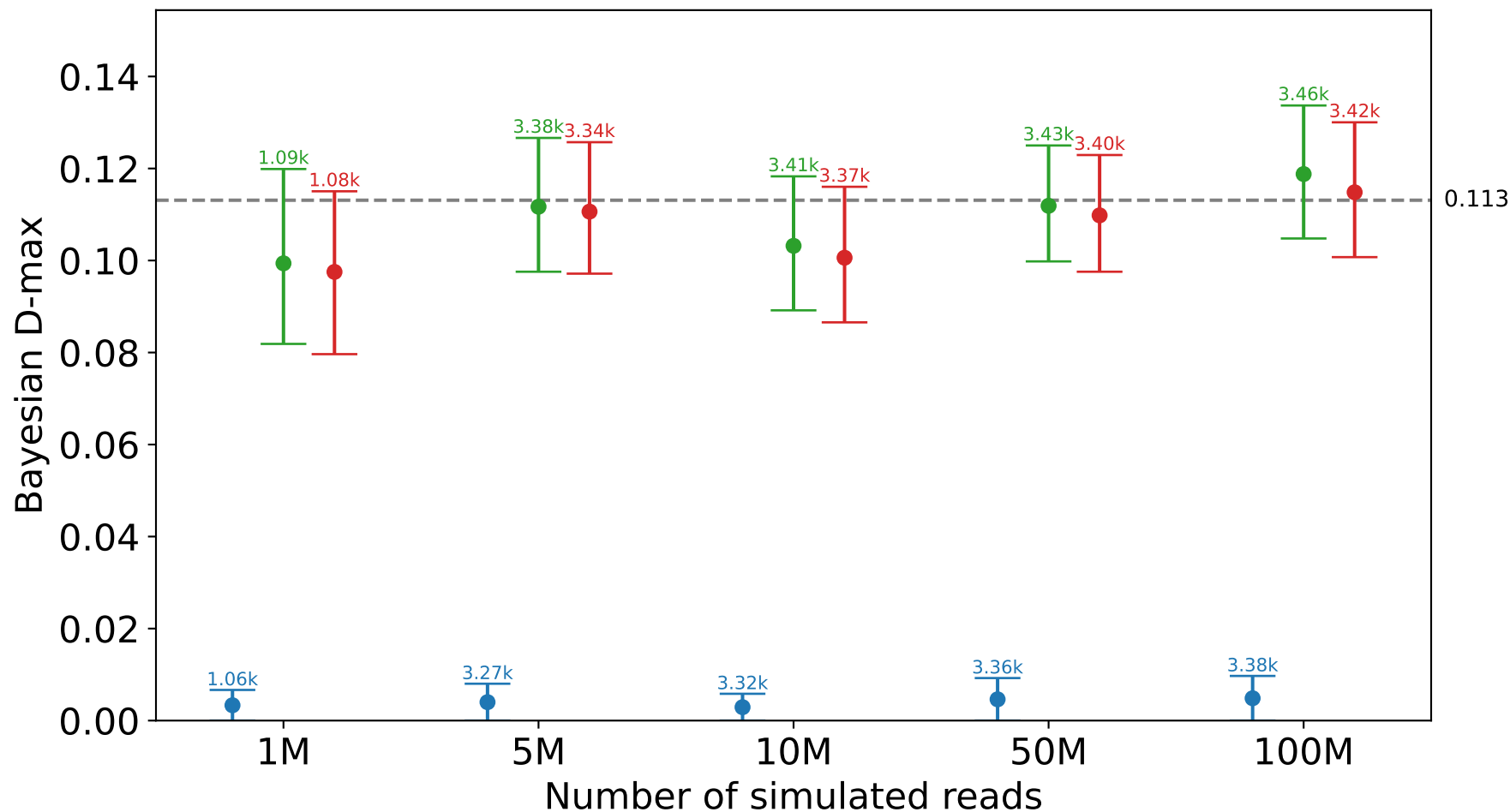
Cave-22, Tax ID: 80222  
s\_Paeniglutamicibacter sp002224445





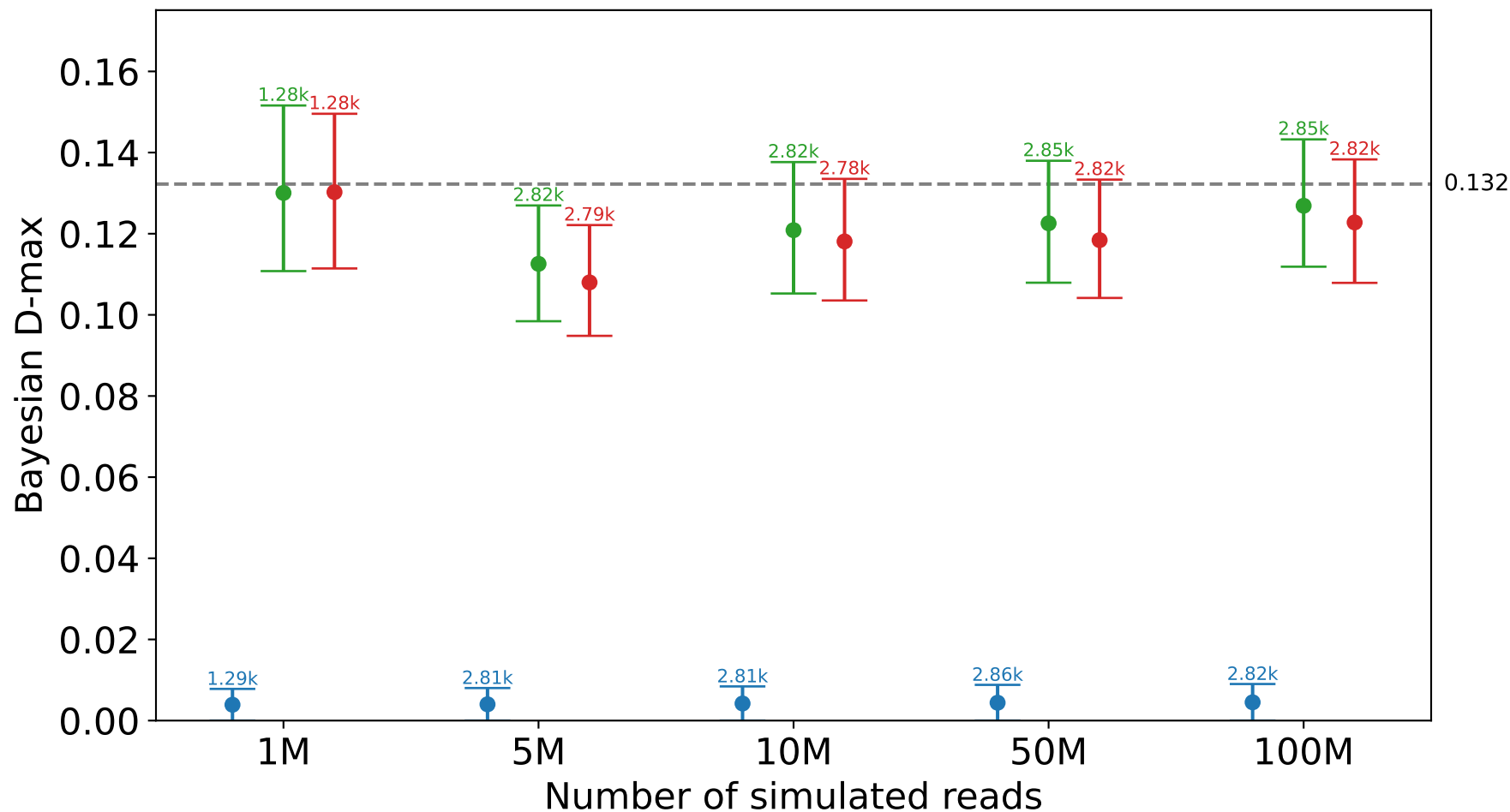
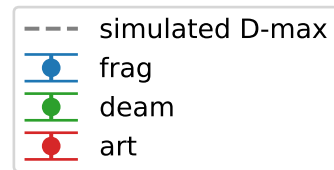
Only ancient: True

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



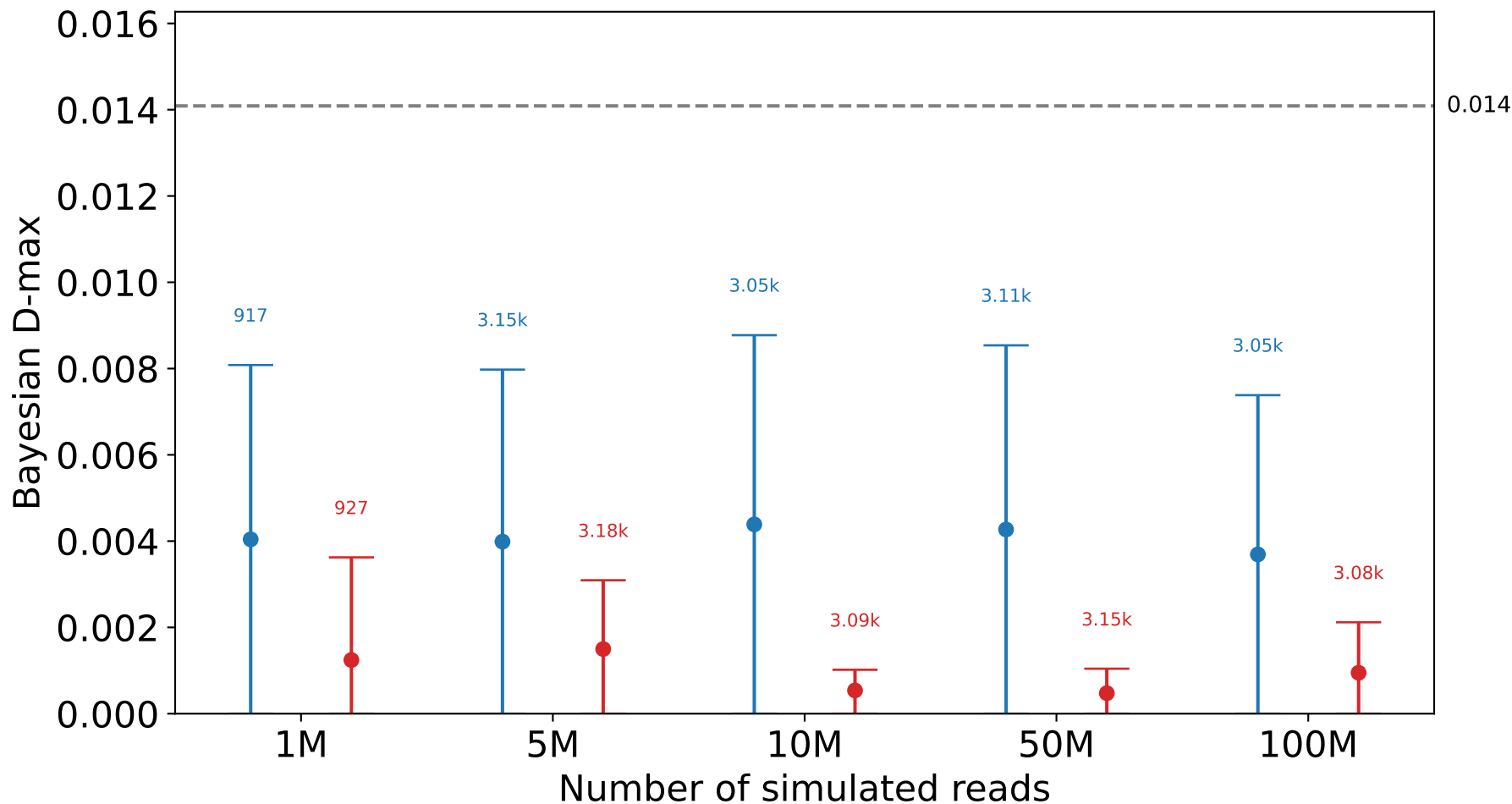
Only ancient: True

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



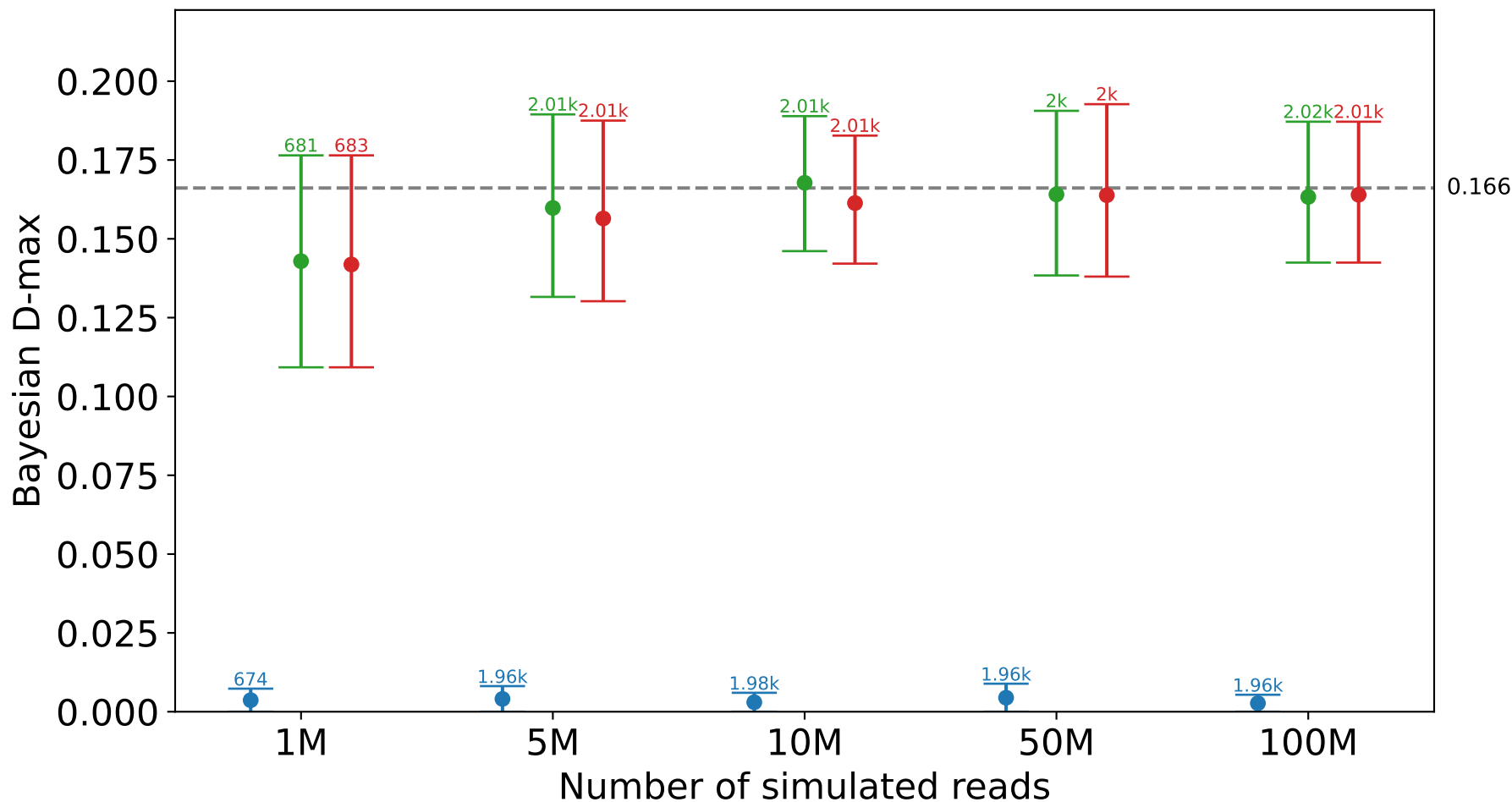
Only ancient: None

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



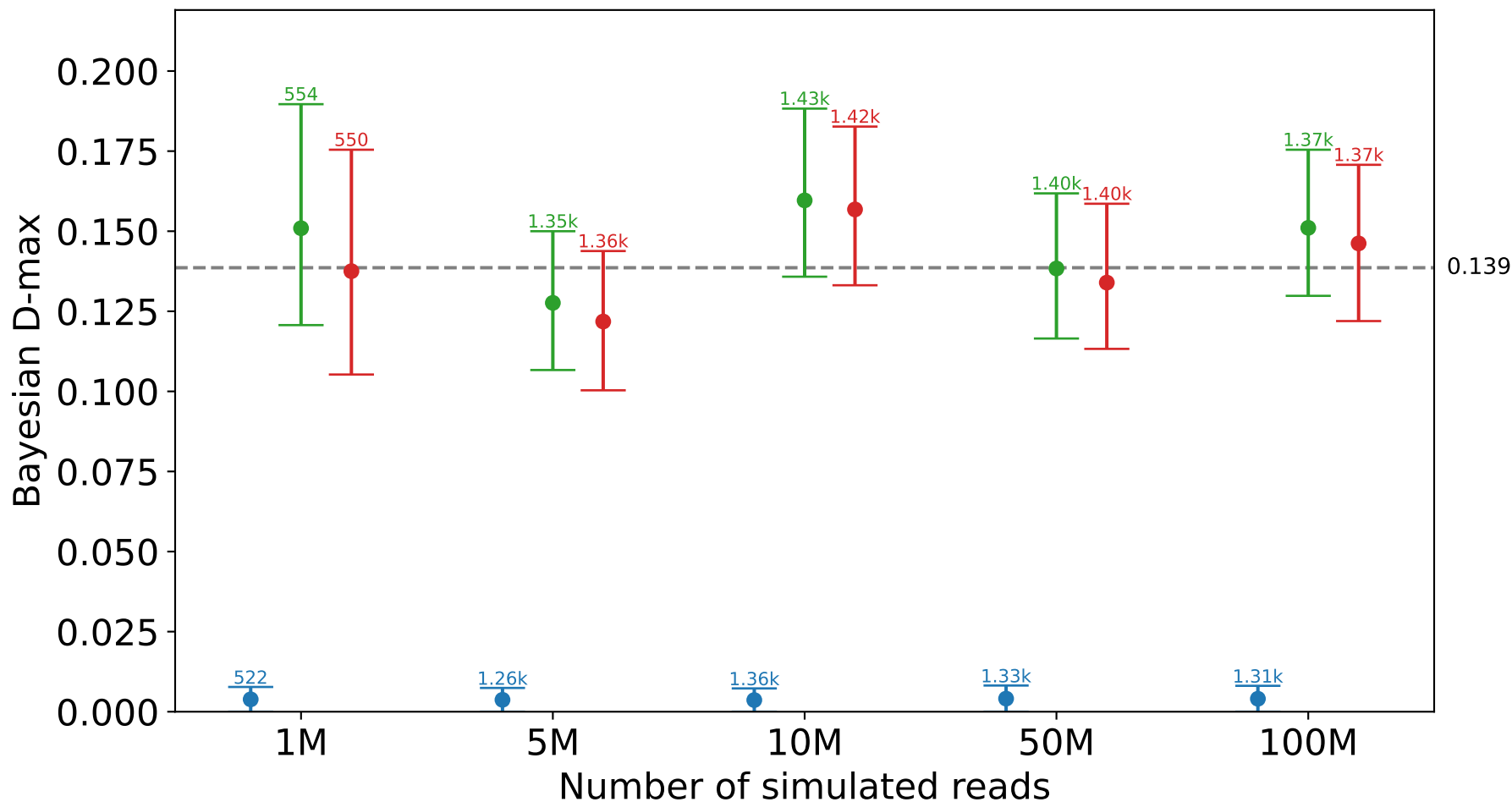
Only ancient: True

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



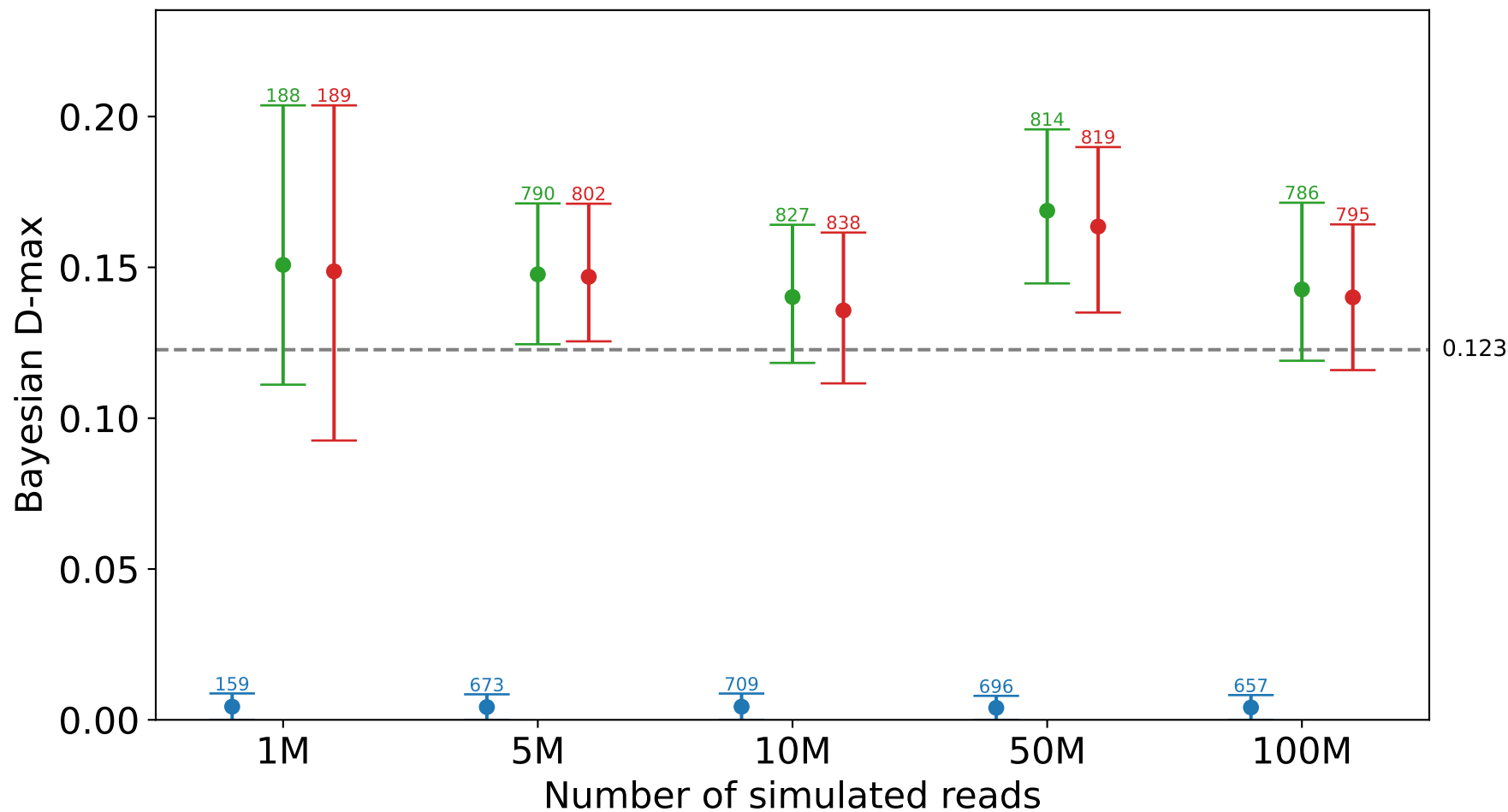
Only ancient: True

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



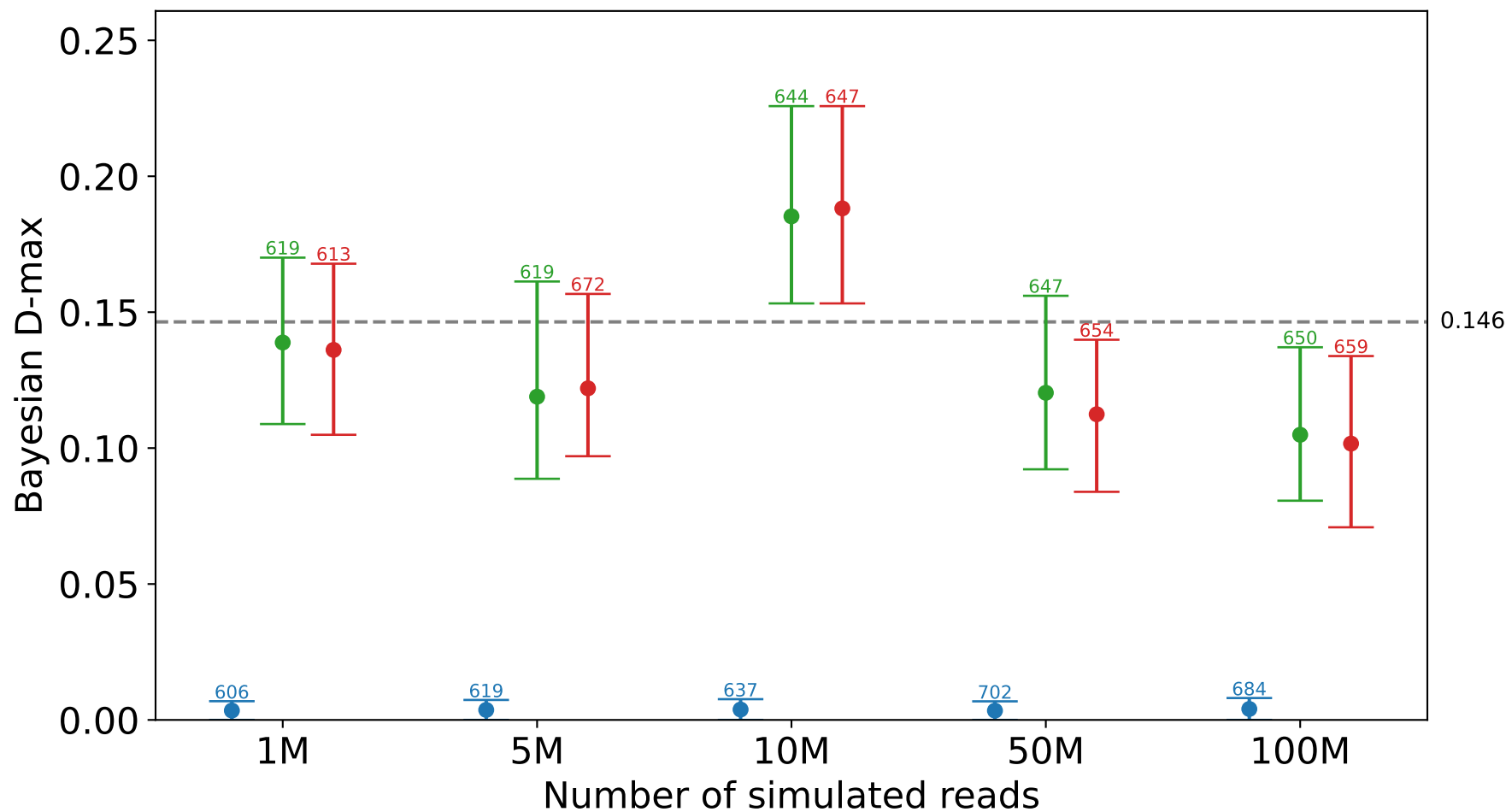
Only ancient: True

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



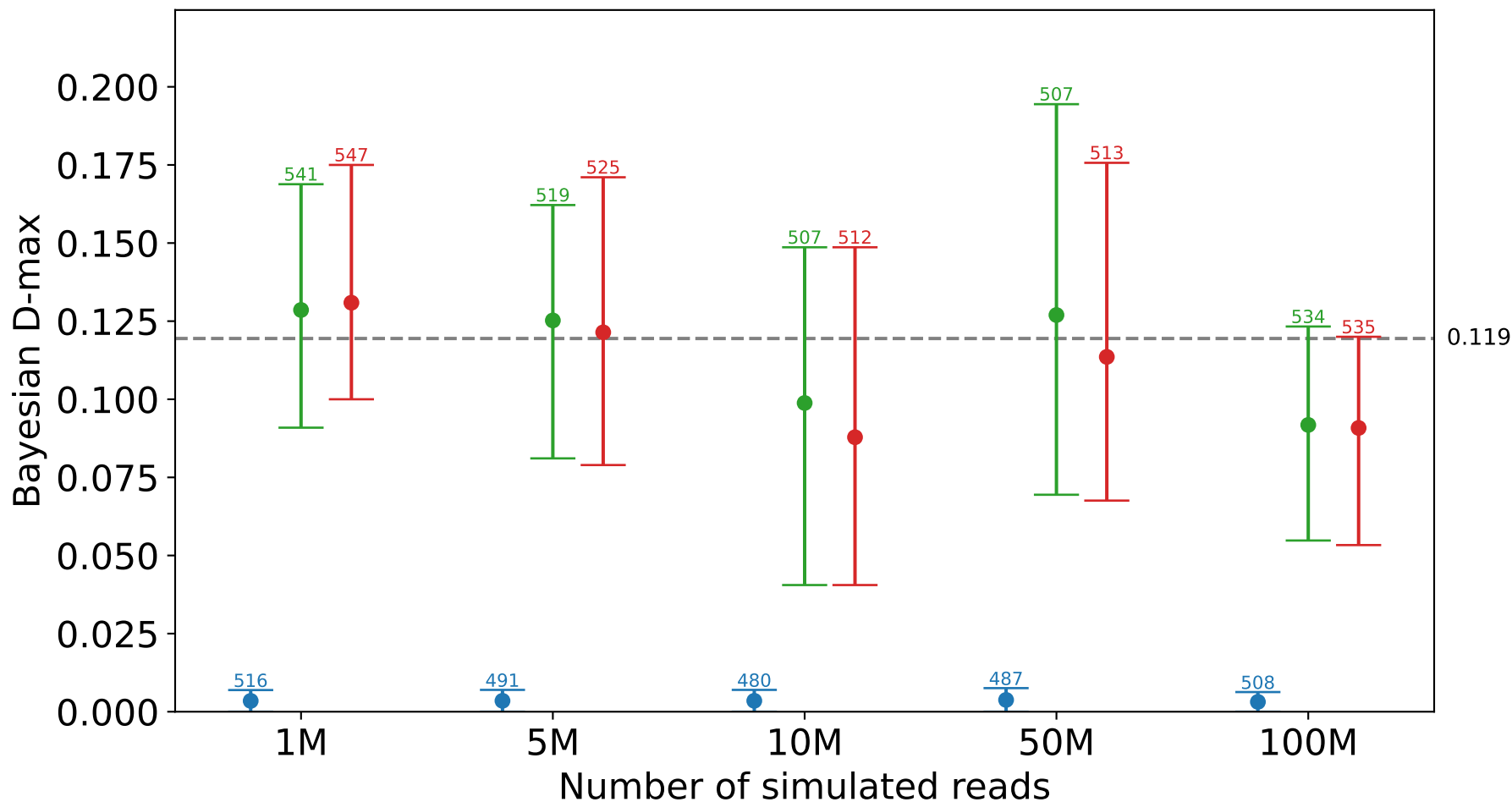
Only ancient: True

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



Only ancient: True

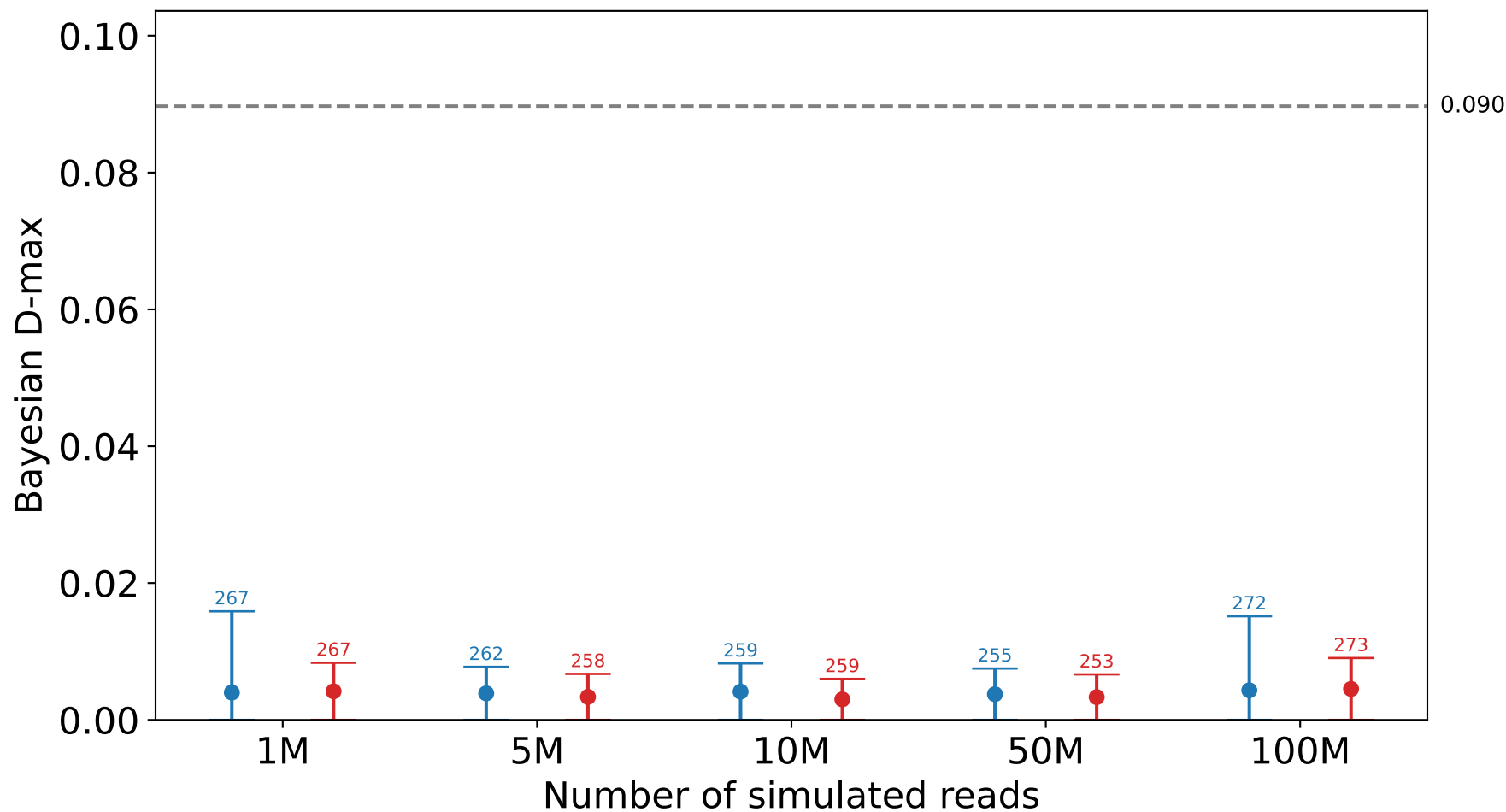
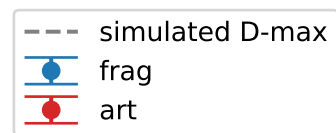
# Cave-22, Tax ID: 150551 s\_\_Urtica lobatifolia





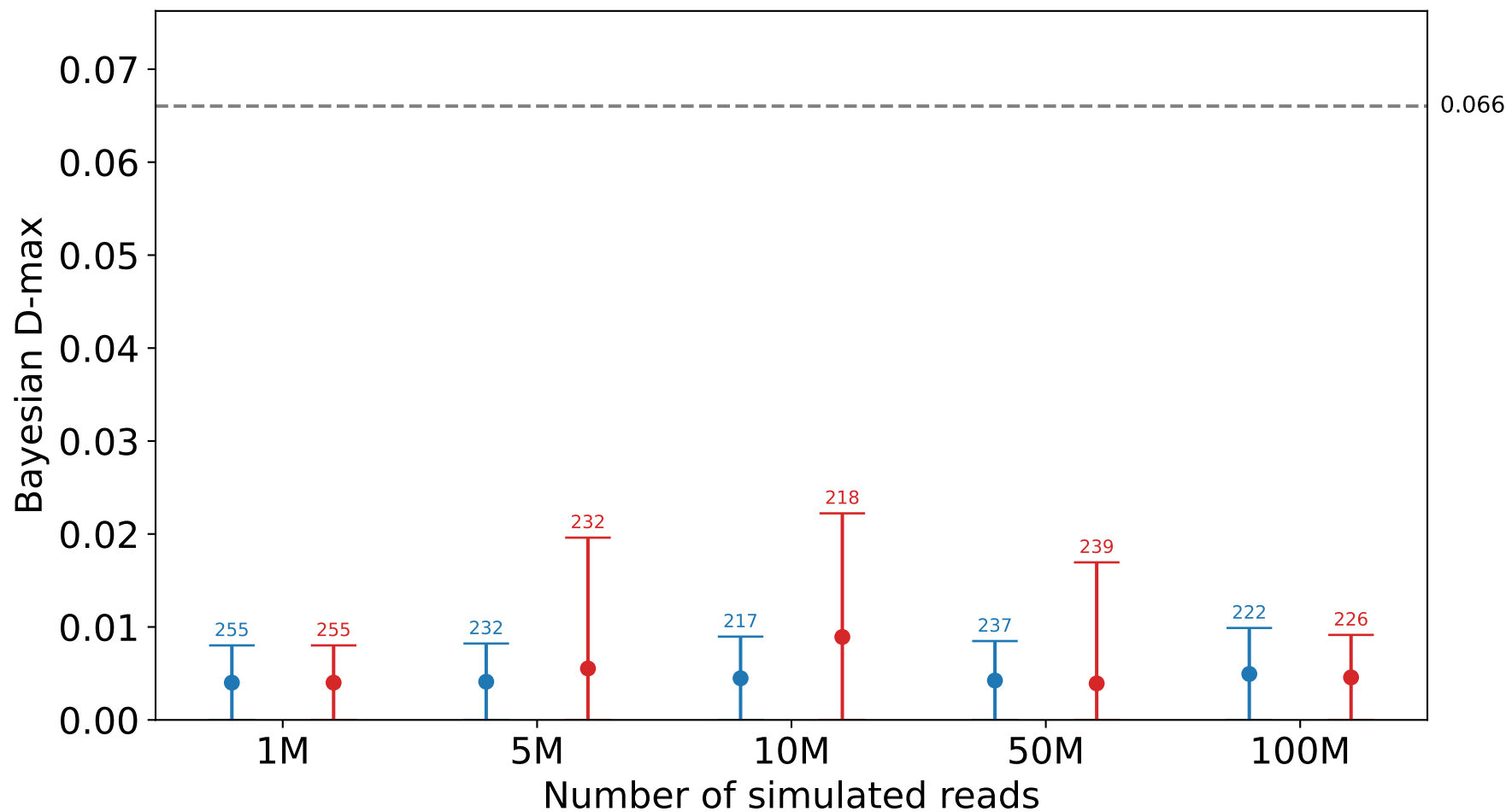
Only ancient: None

# Cave-22, Tax ID: 137845 s\_\_Allium cepa



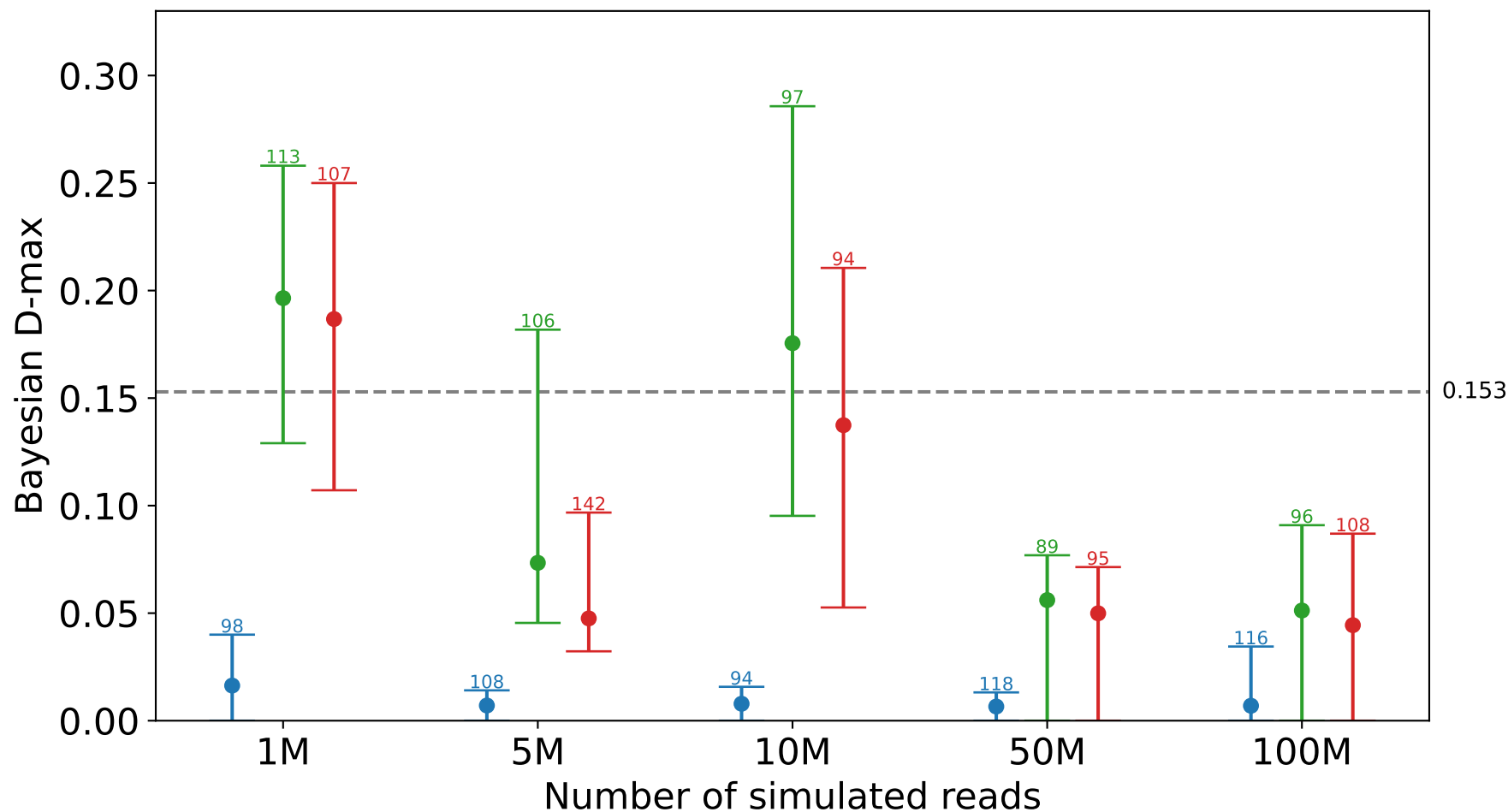
Only ancient: None

# Cave-22, Tax ID: 135107 s\_Eucalyptus grandis



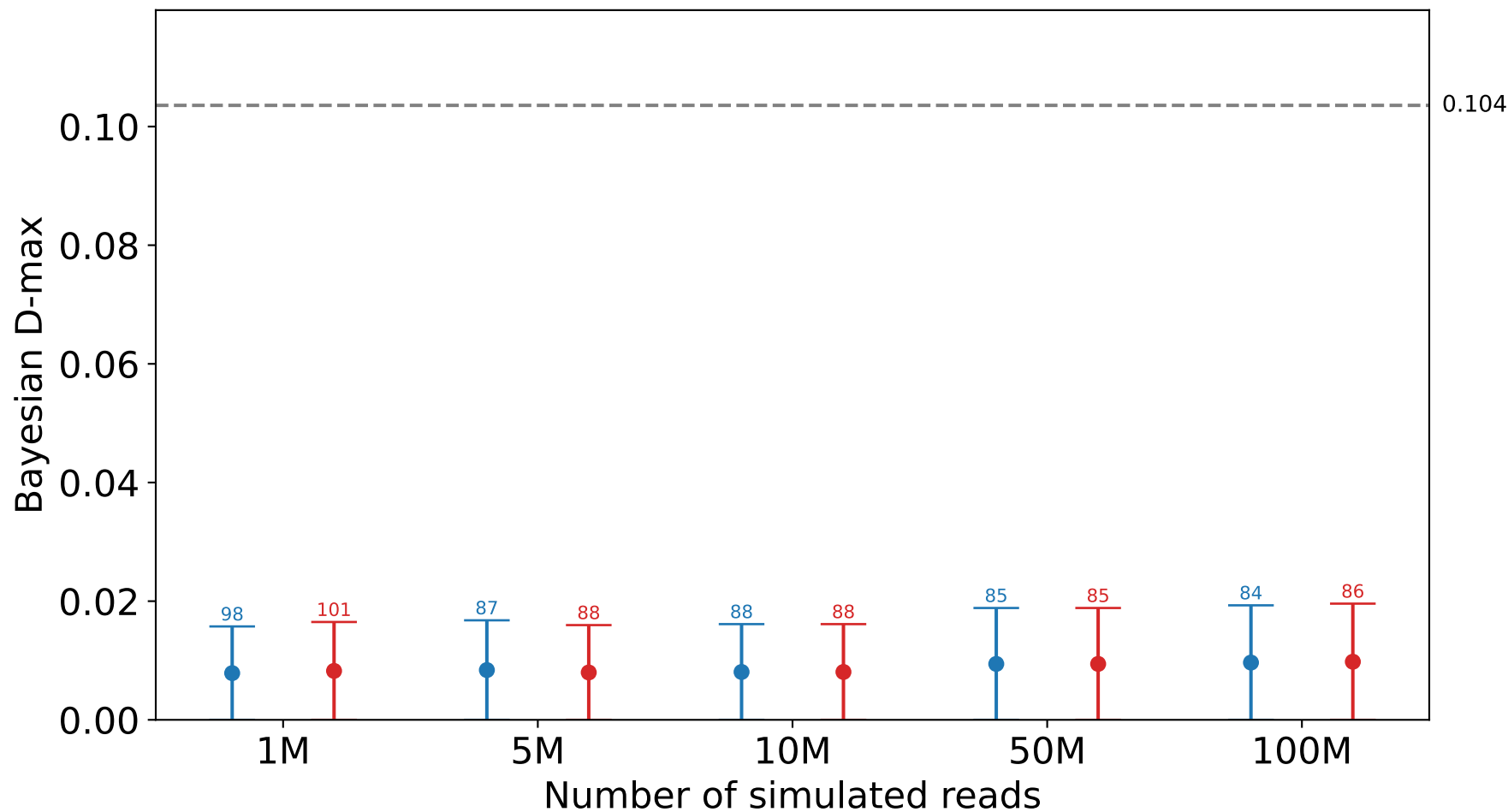
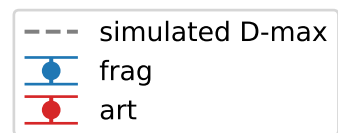
Only ancient: True

# Cave-22, Tax ID: 132938 s\_Zea mays



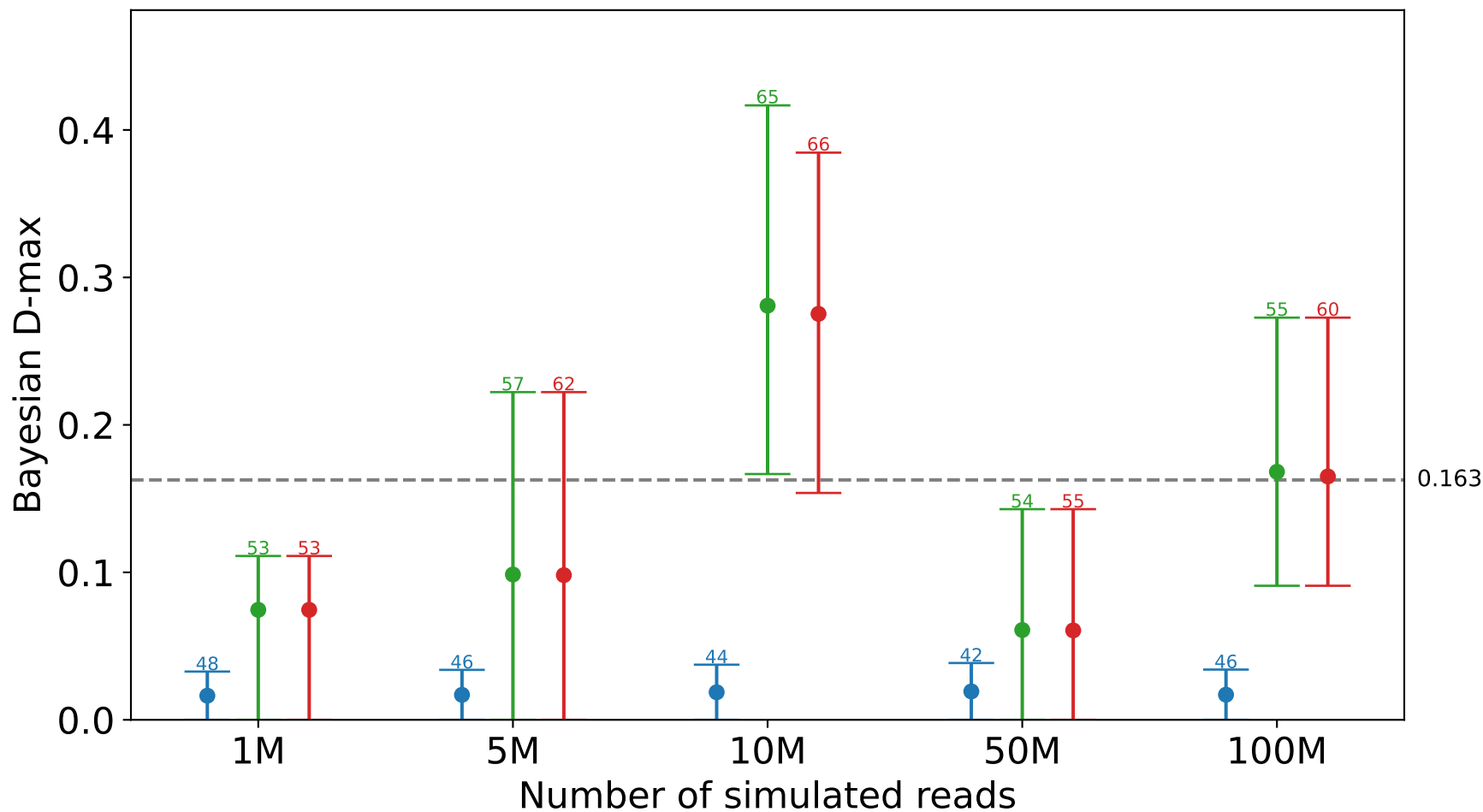
Only ancient: None

Cave-22, Tax ID: 141703  
s\_*Diplostephium hartwegii*



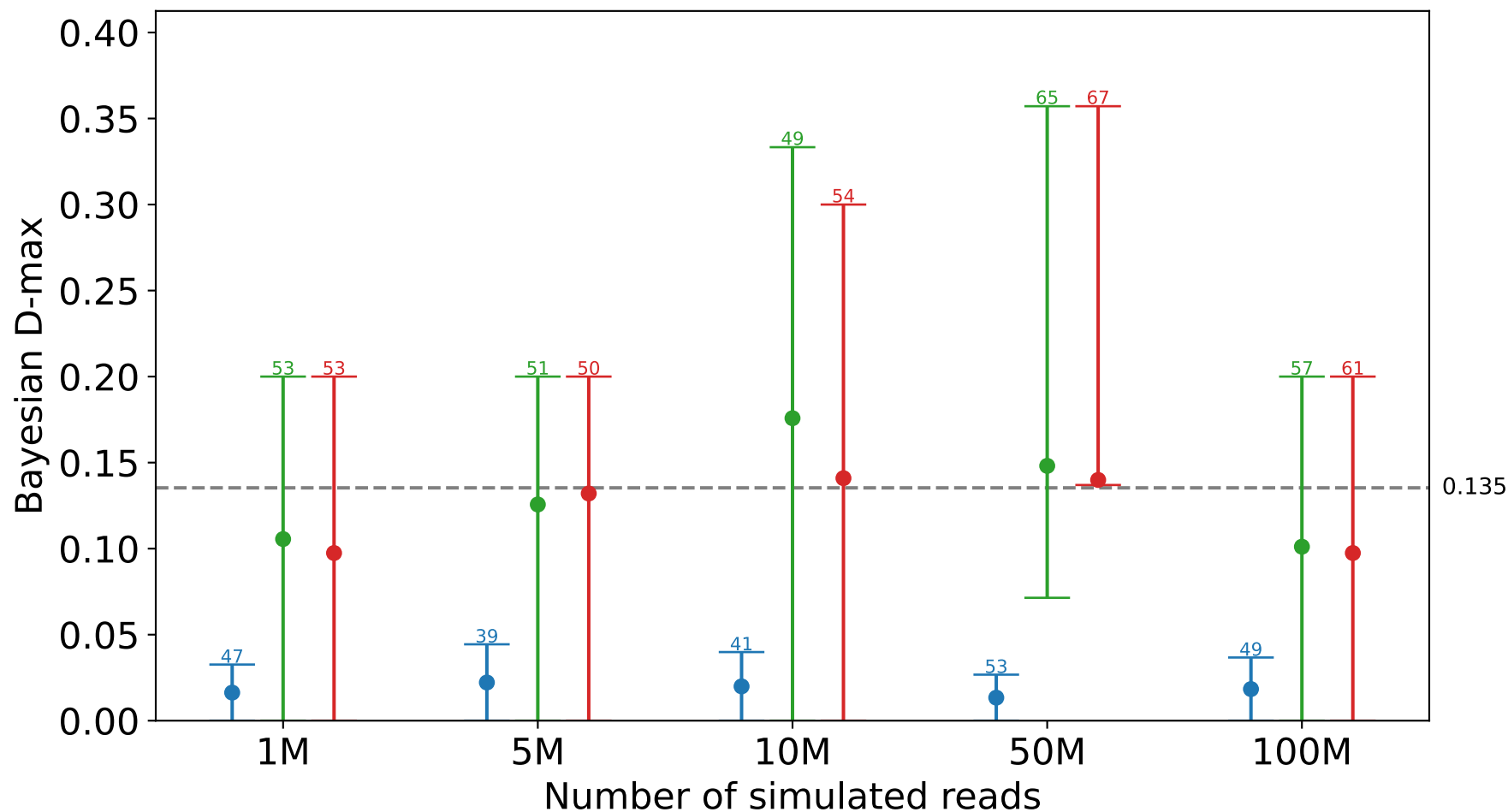
Only ancient: True

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



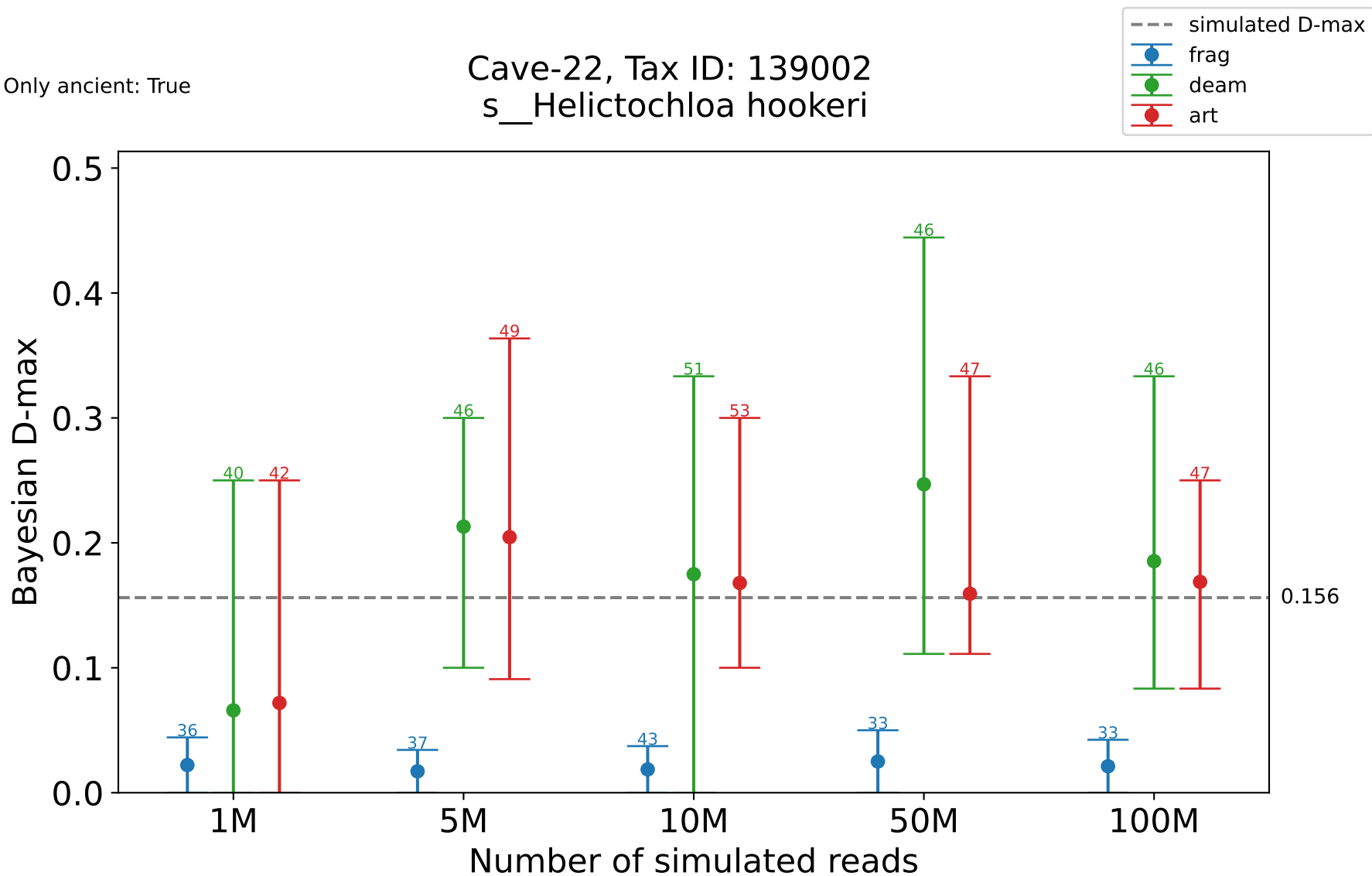
Only ancient: True

# Cave-22, Tax ID: 145776 s\_\_Ammochloa palaestina



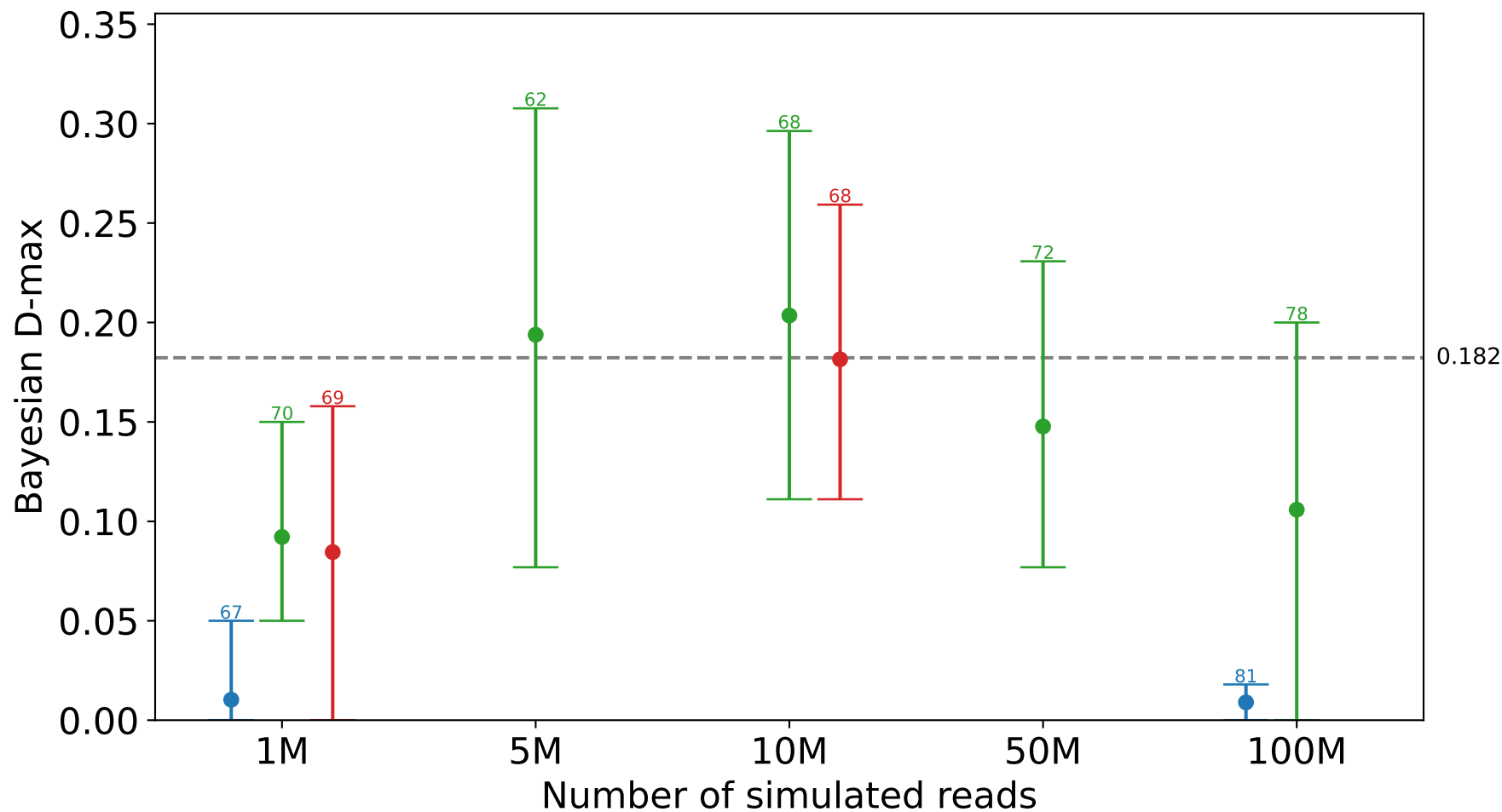
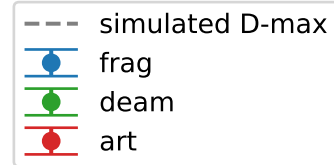
Only ancient: True

# Cave-22, Tax ID: 139002 s\_Helictochloa hookeri



Only ancient: True

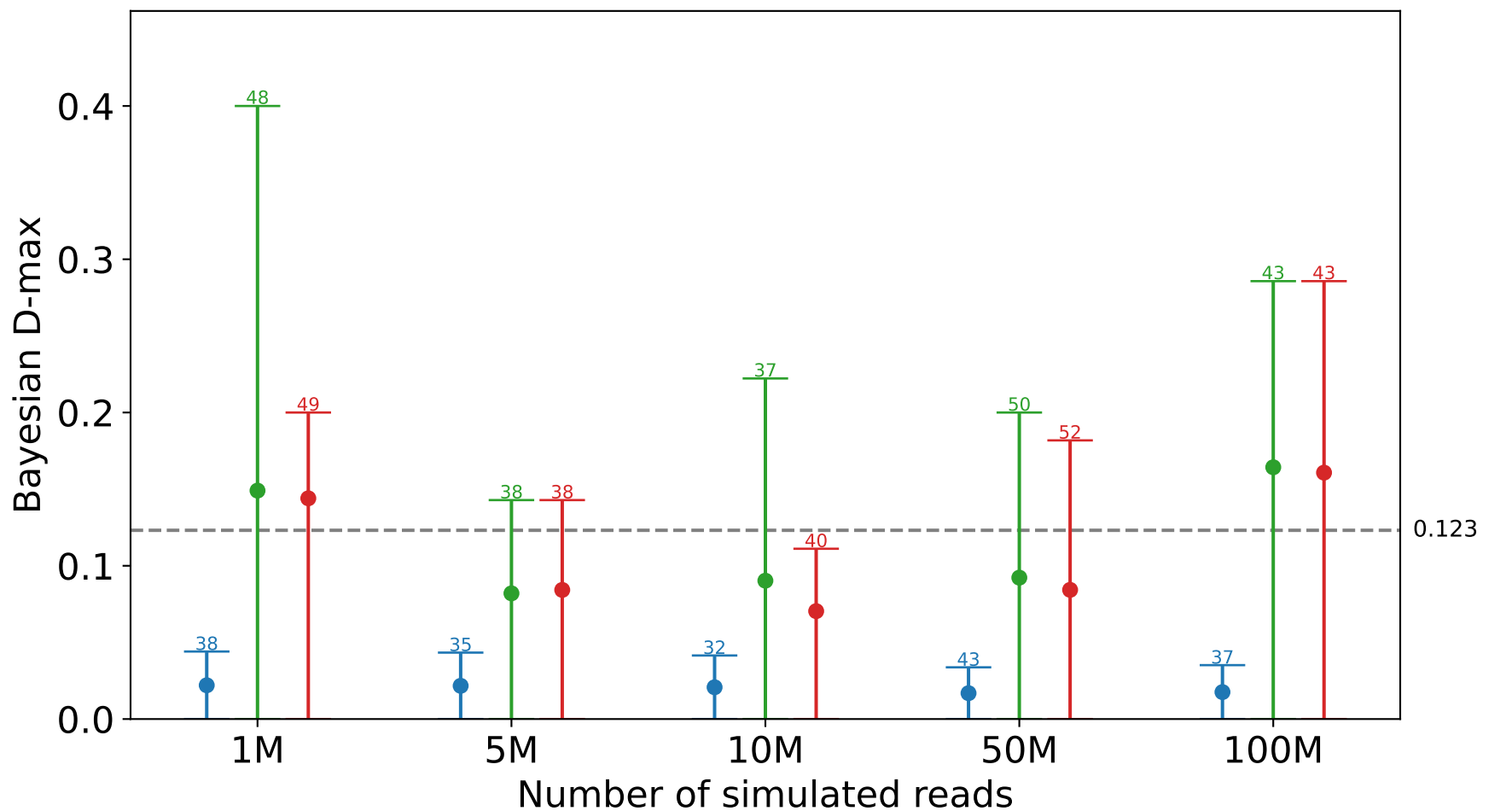
# Cave-22, Tax ID: 132906 s\_\_Oryza sativa





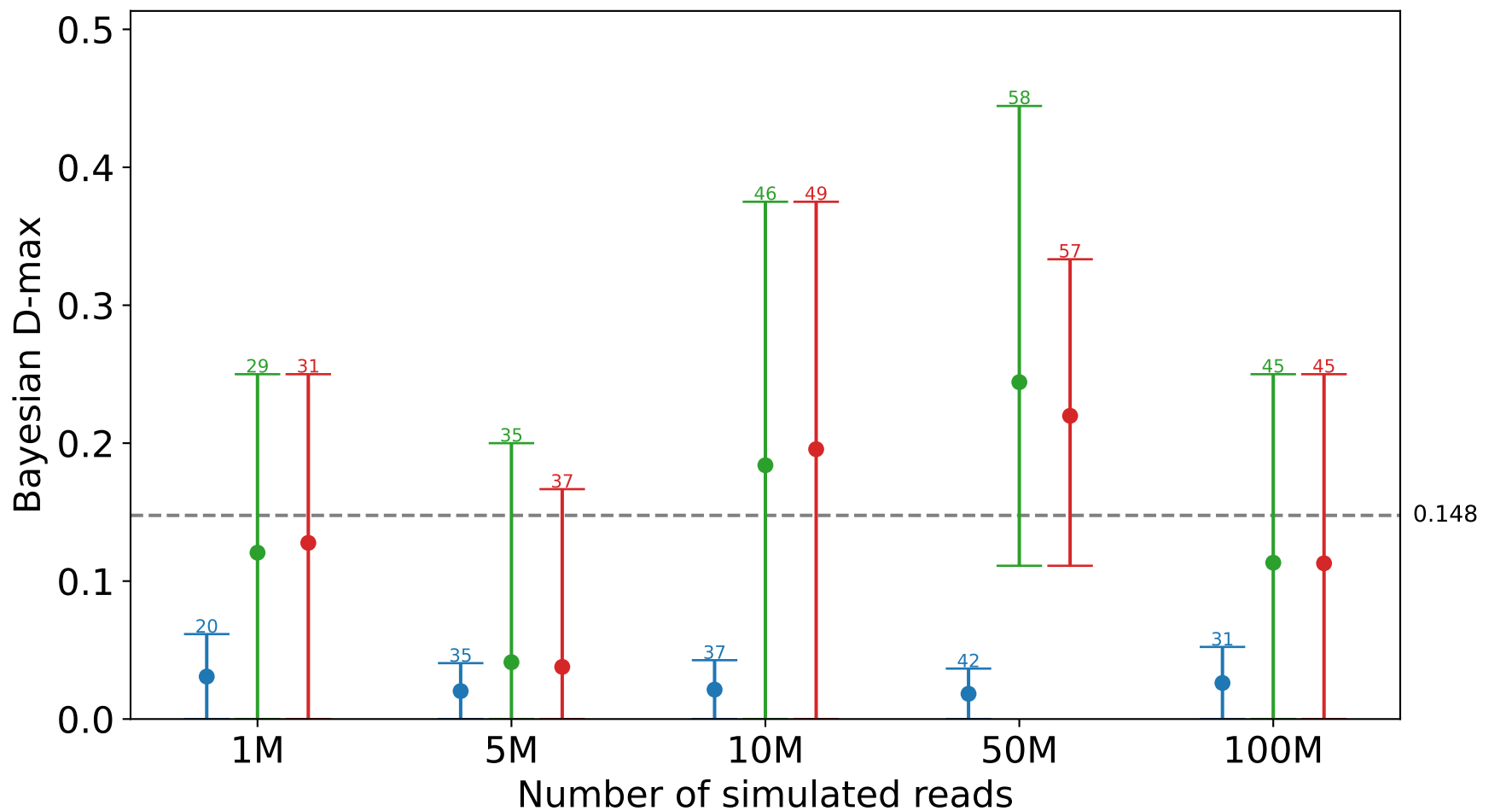
Only ancient: True

Cave-22, Tax ID: 139000  
s\_Anthoxanthum odoratum



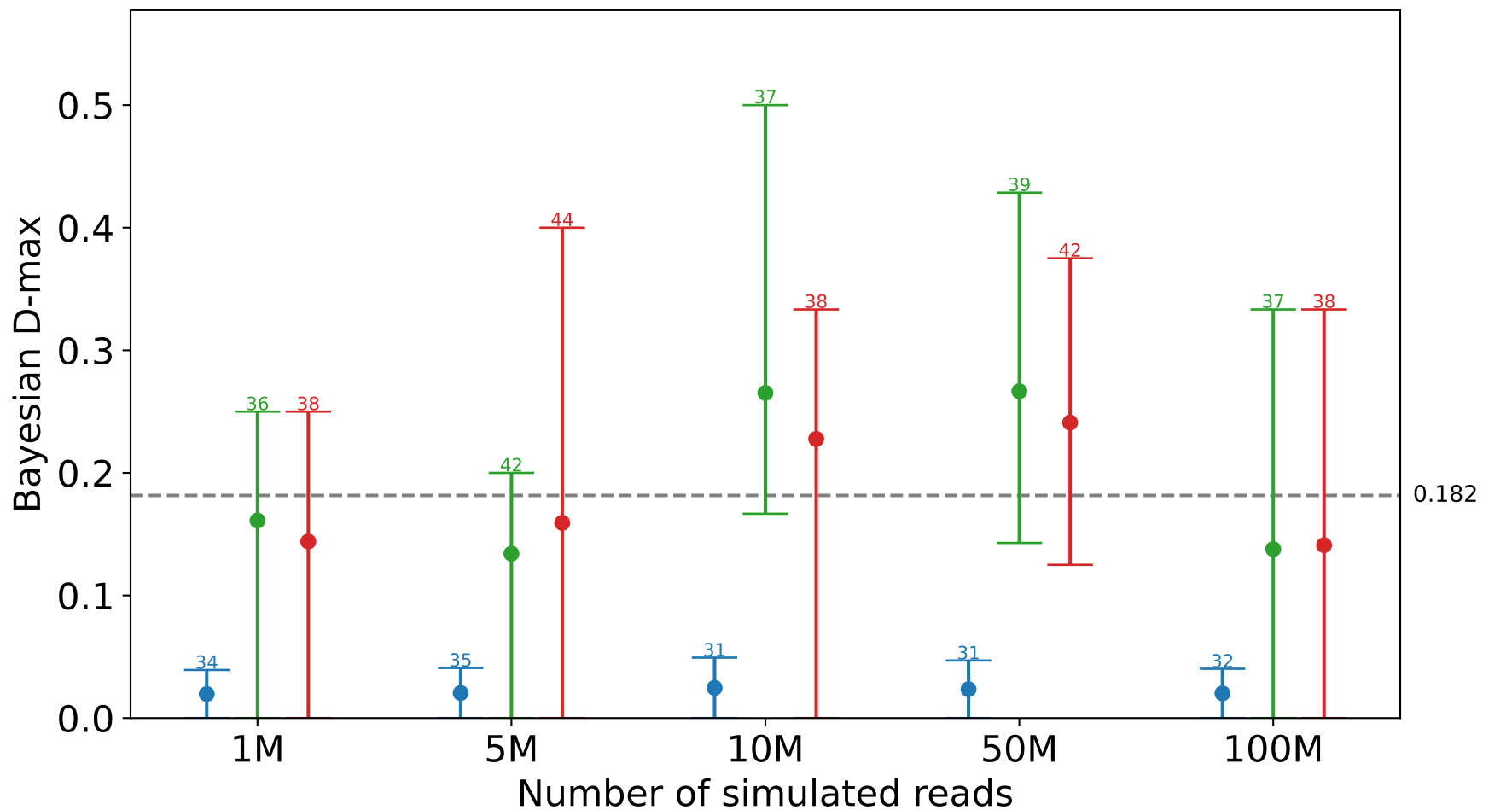
Only ancient: True

Cave-22, Tax ID: 143441  
s\_Zingeria biebersteiniana



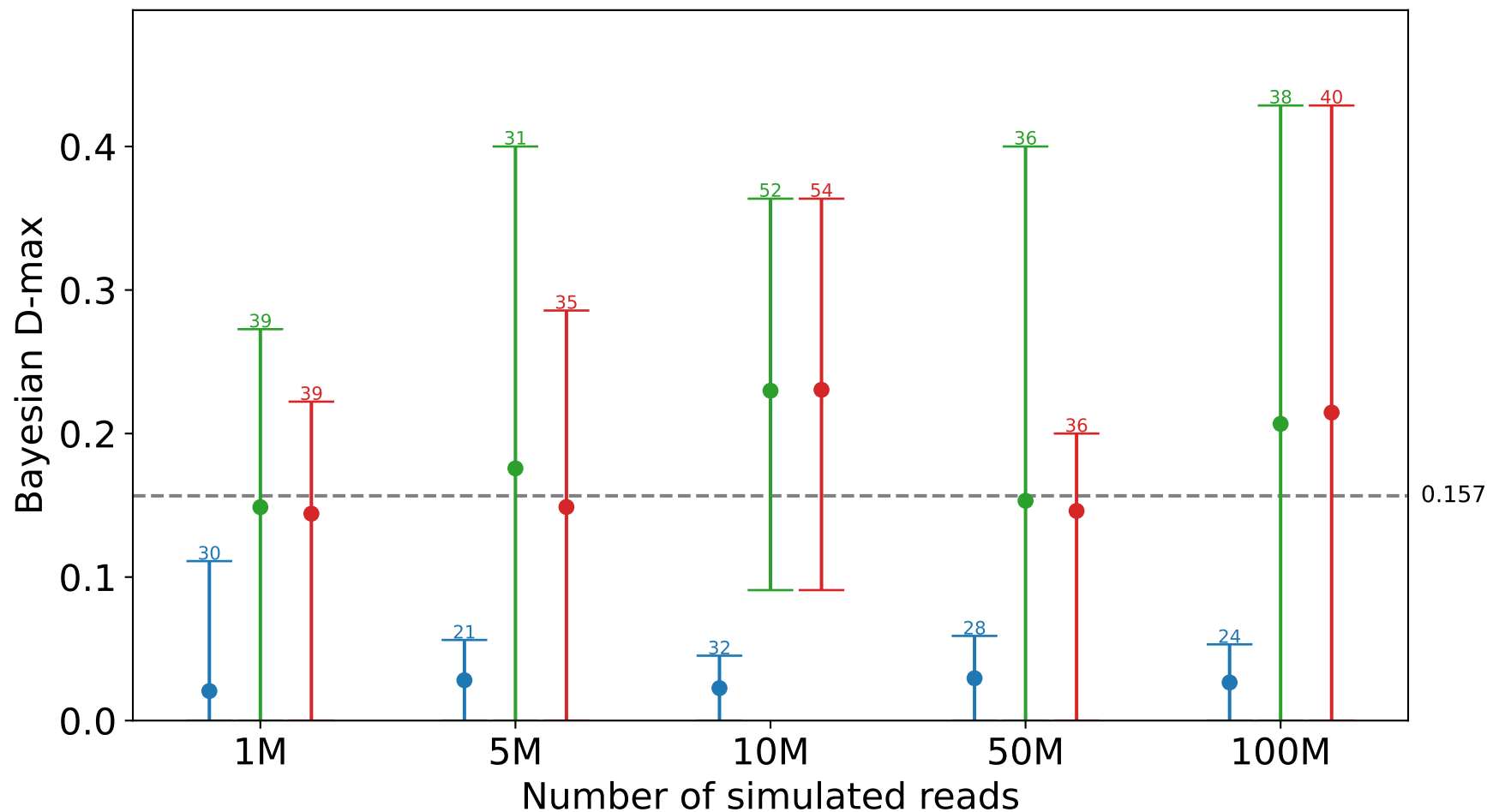
Only ancient: True

# Cave-22, Tax ID: 151872 s\_Milium effusum



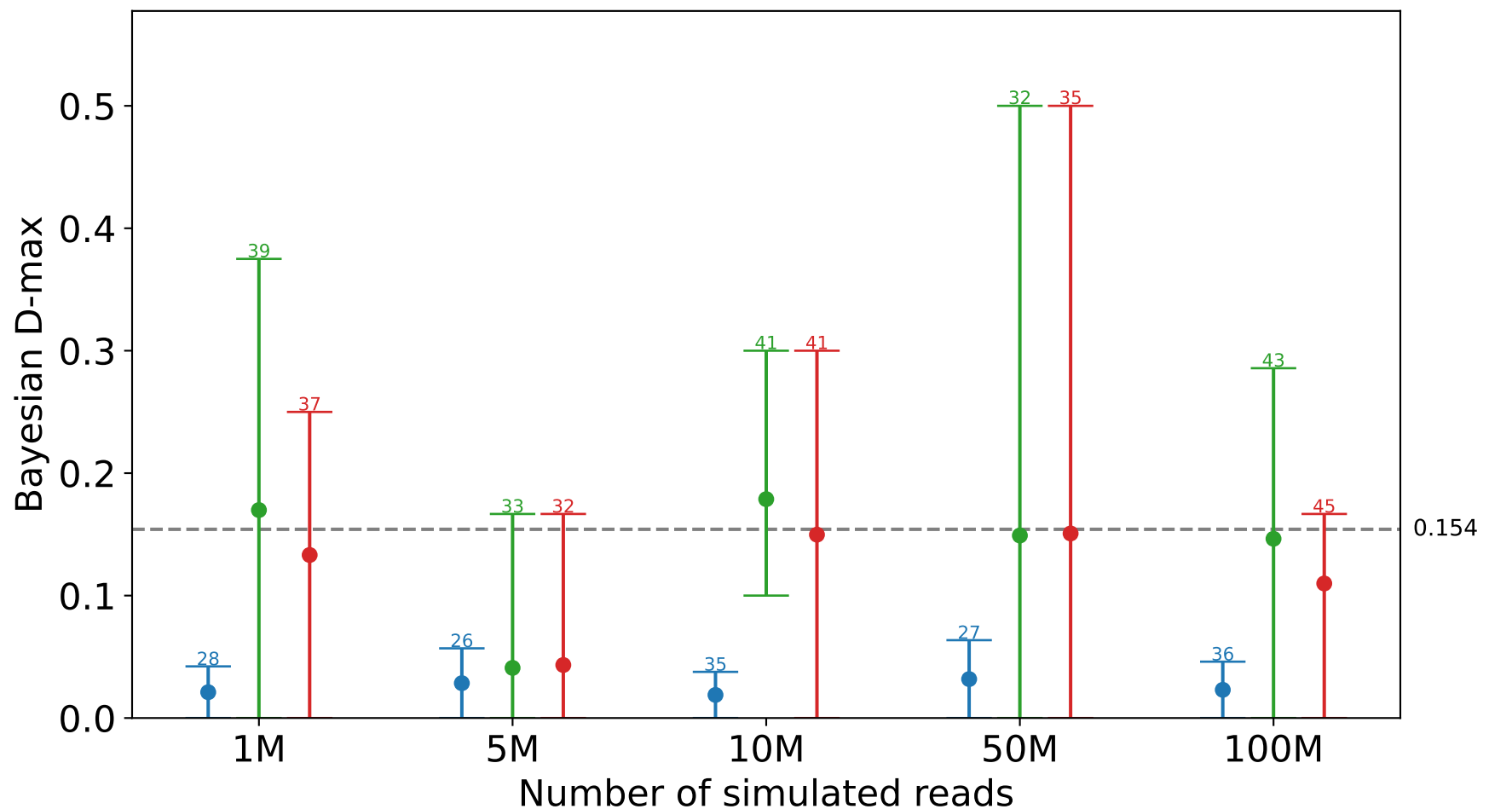
Only ancient: True

# Cave-22, Tax ID: 143152 s\_Holcus lanatus



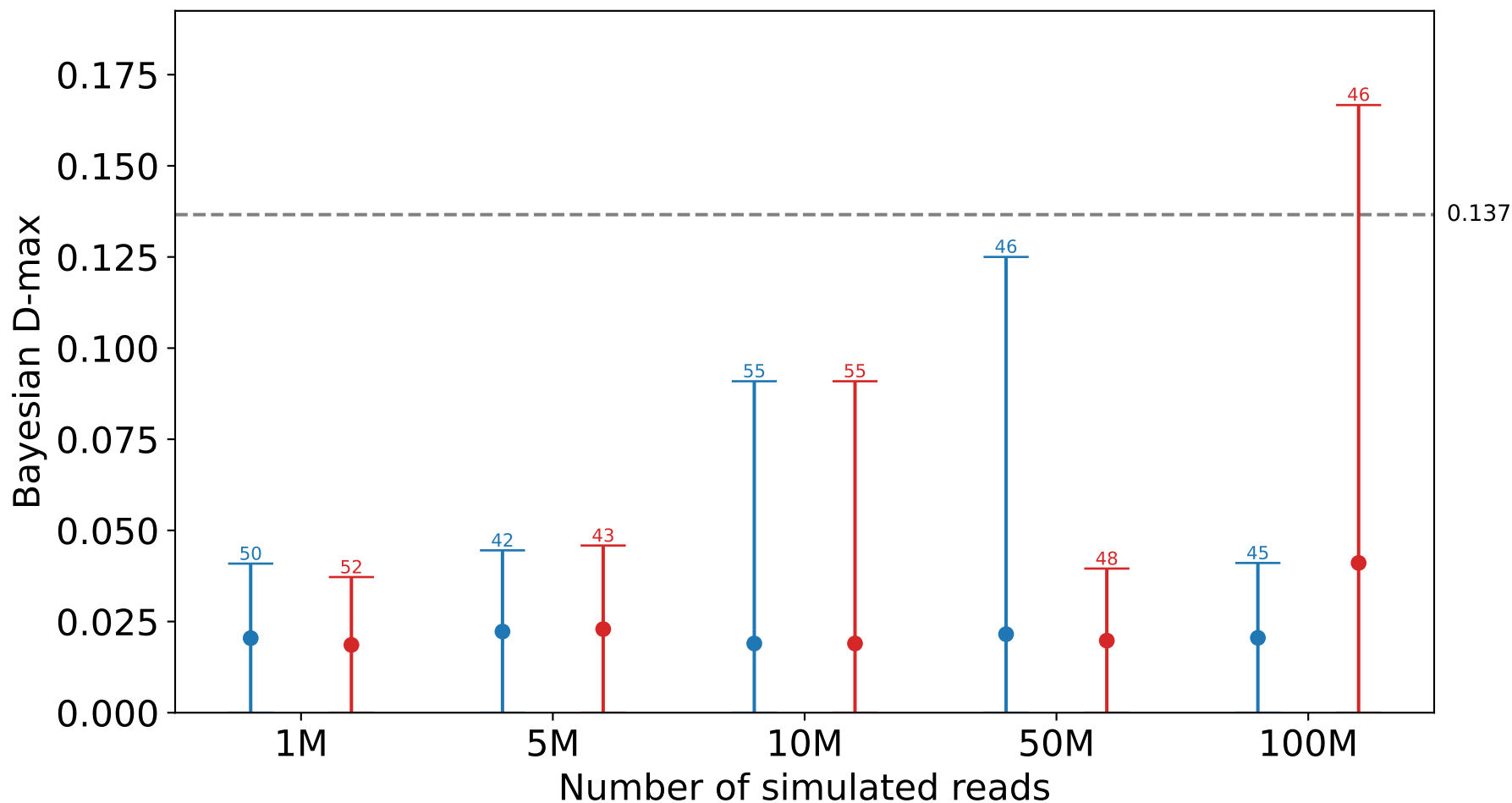
Only ancient: True

# Cave-22, Tax ID: 139004 s\_\_Briza maxima



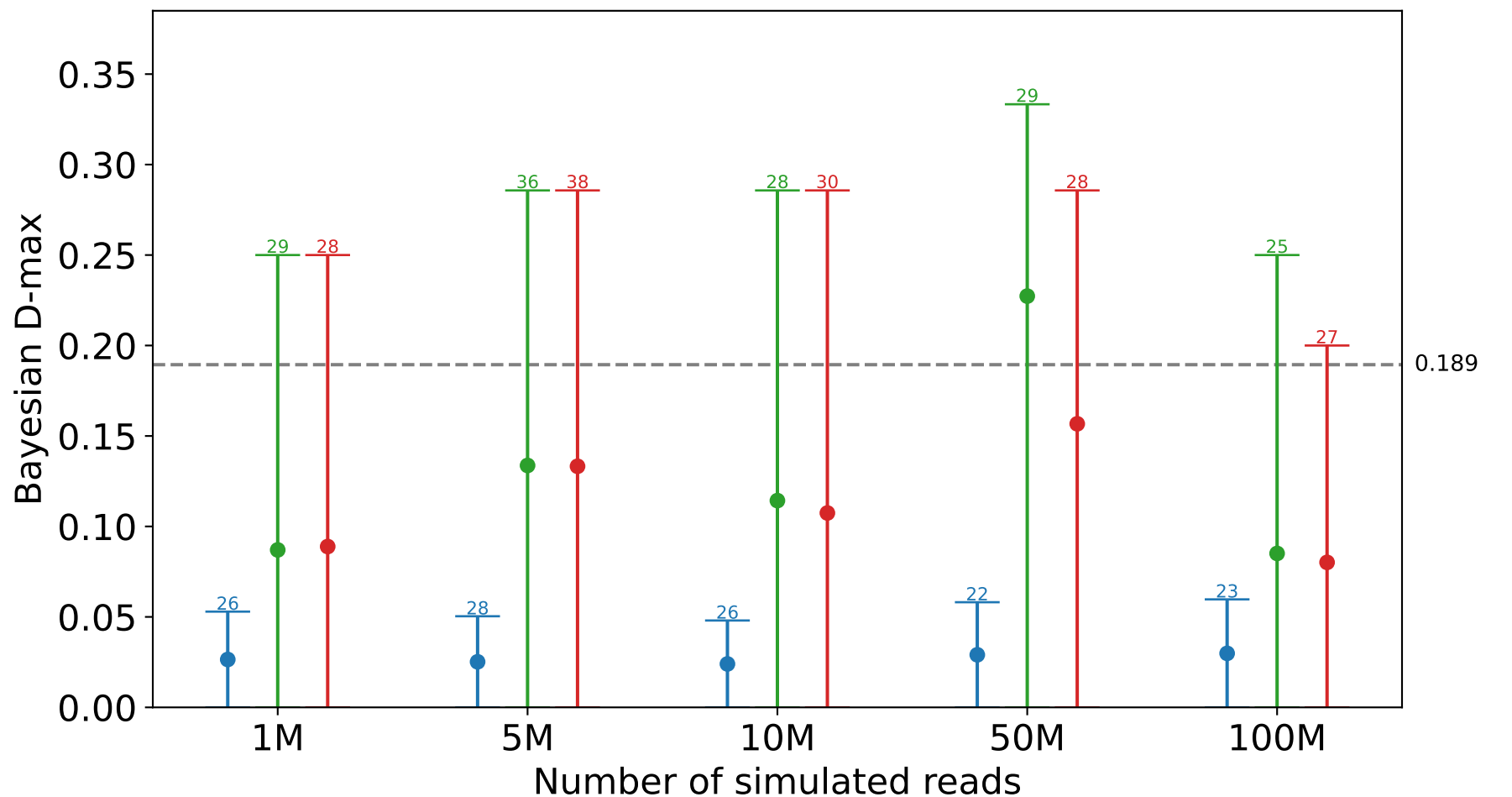
Only ancient: None

# Cave-22, Tax ID: 142117 s\_Juniperus communis



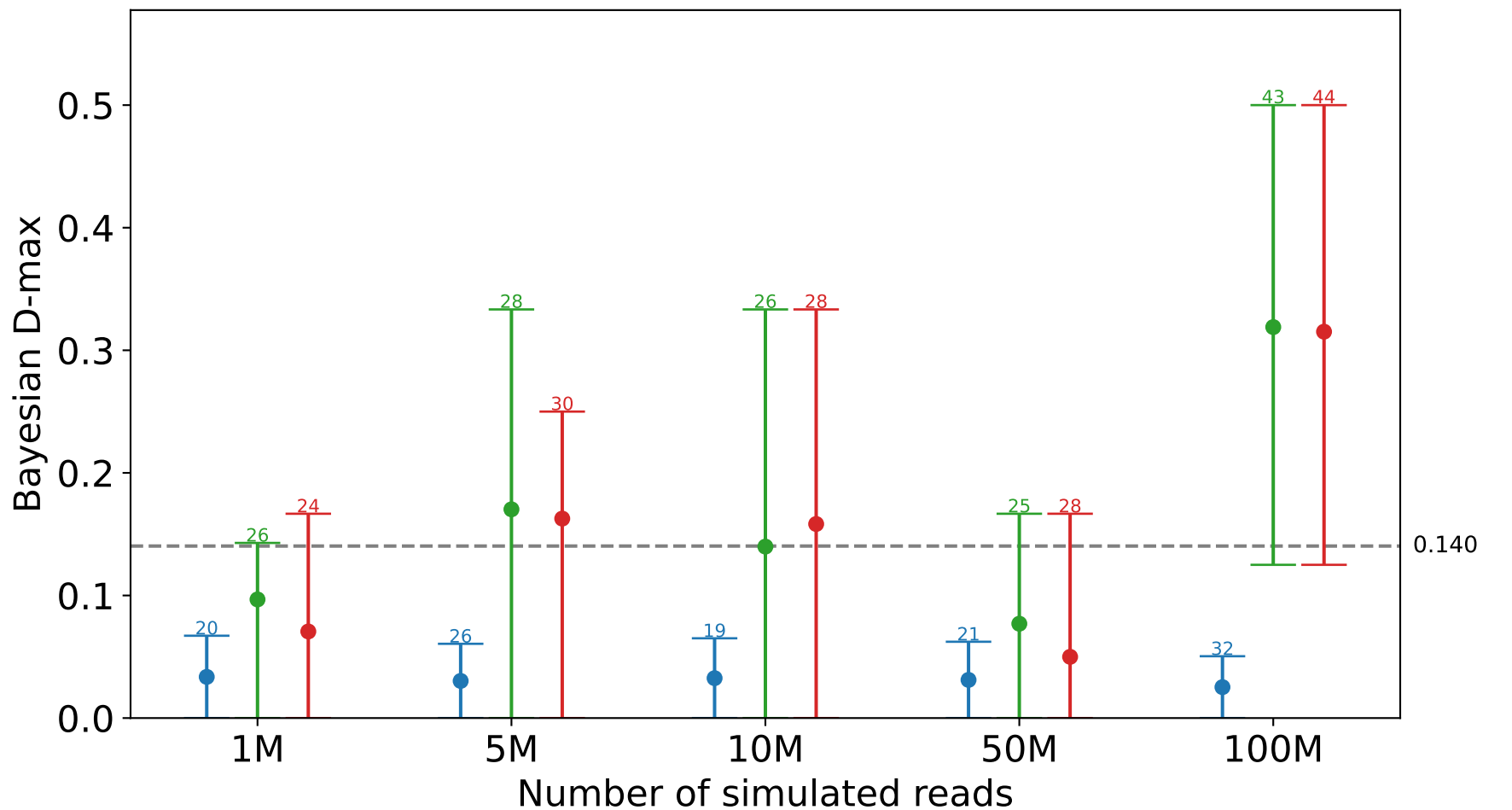
Only ancient: True

# Cave-22, Tax ID: 143154 s\_\_Humbertochloa bambusiuscula



Only ancient: True

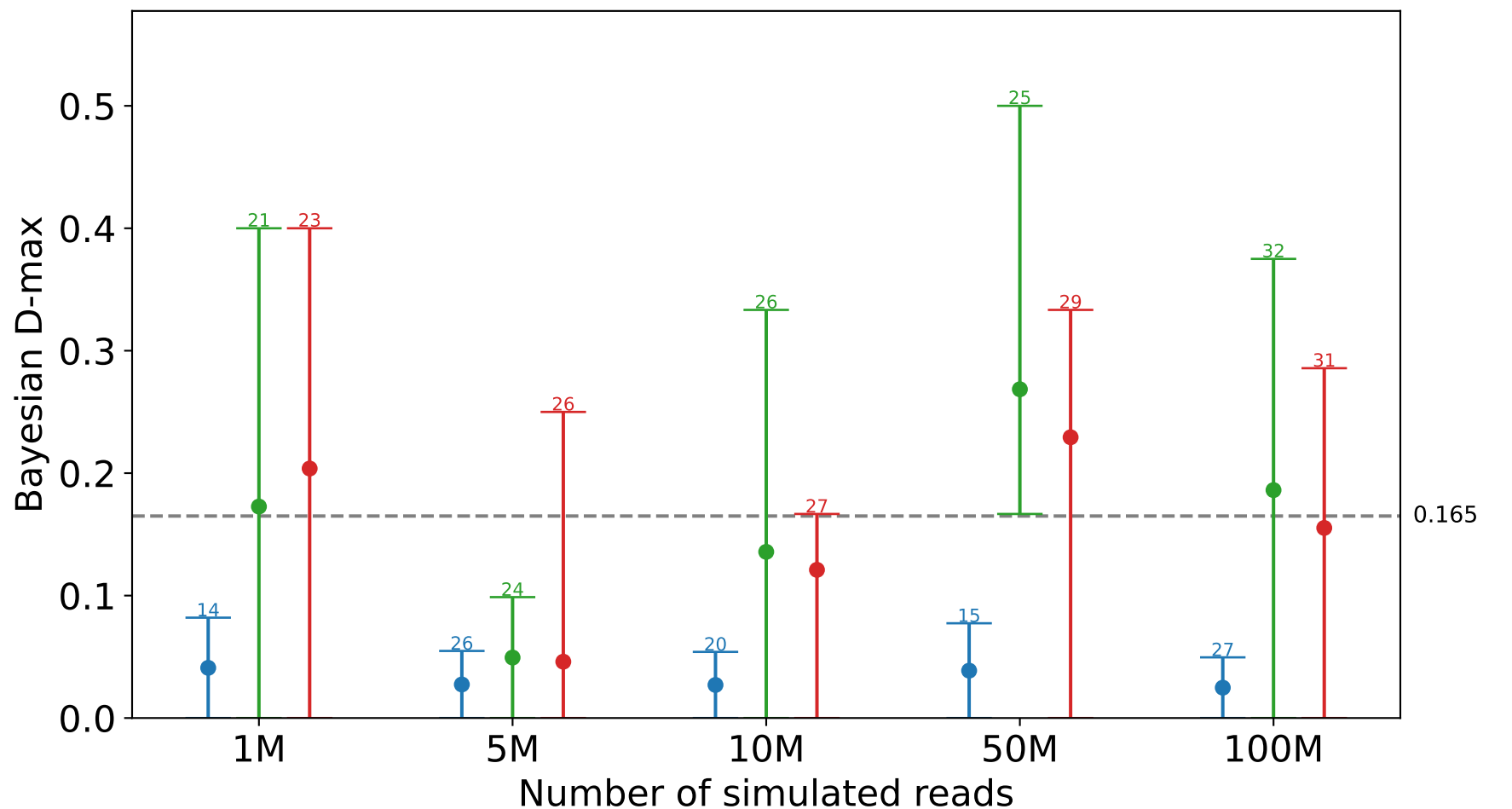
# Cave-22, Tax ID: 145777 s\_\_Castellia tuberculosa





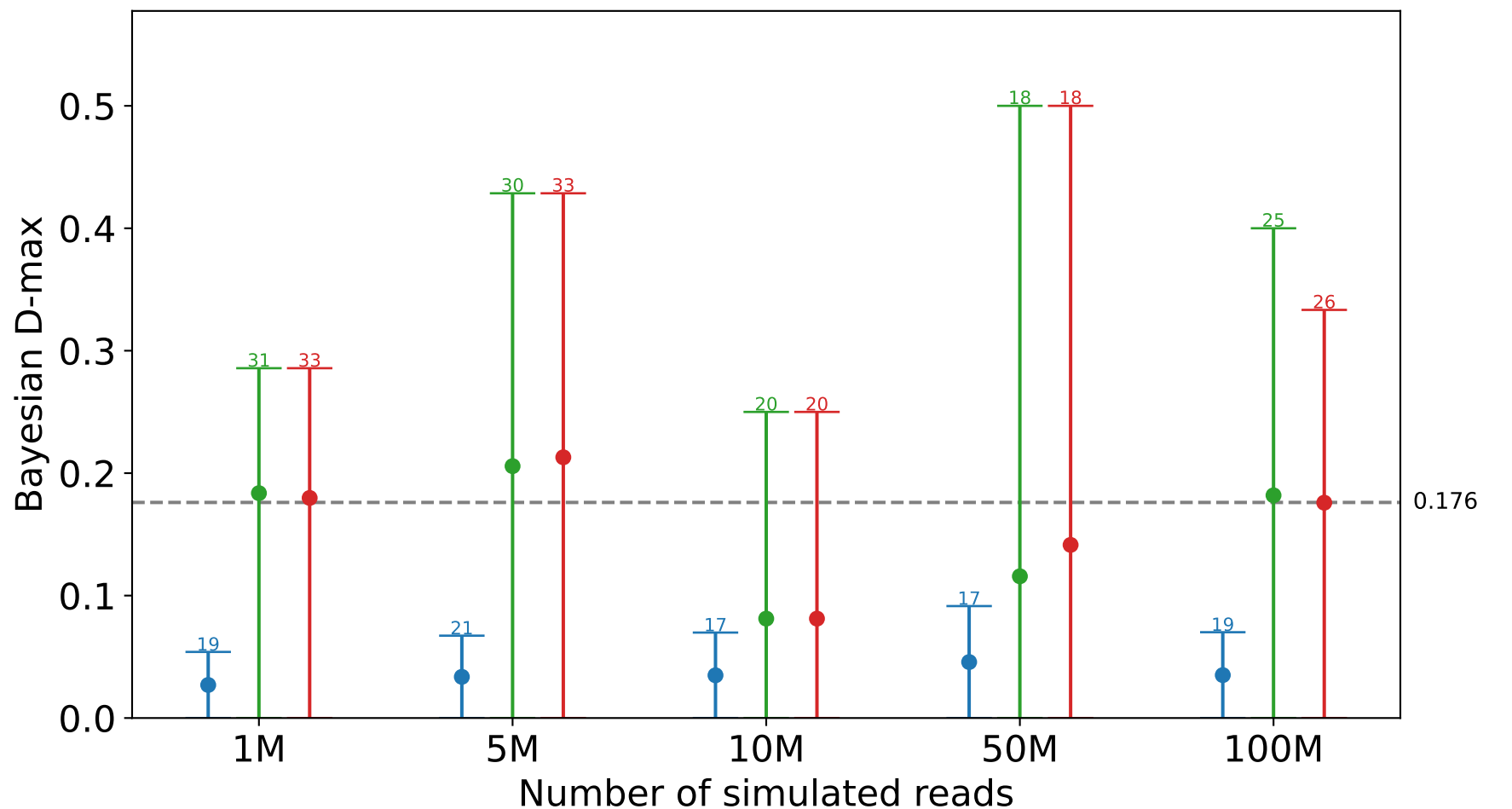
Only ancient: True

# Cave-22, Tax ID: 139015 s\_\_Phleum alpinum



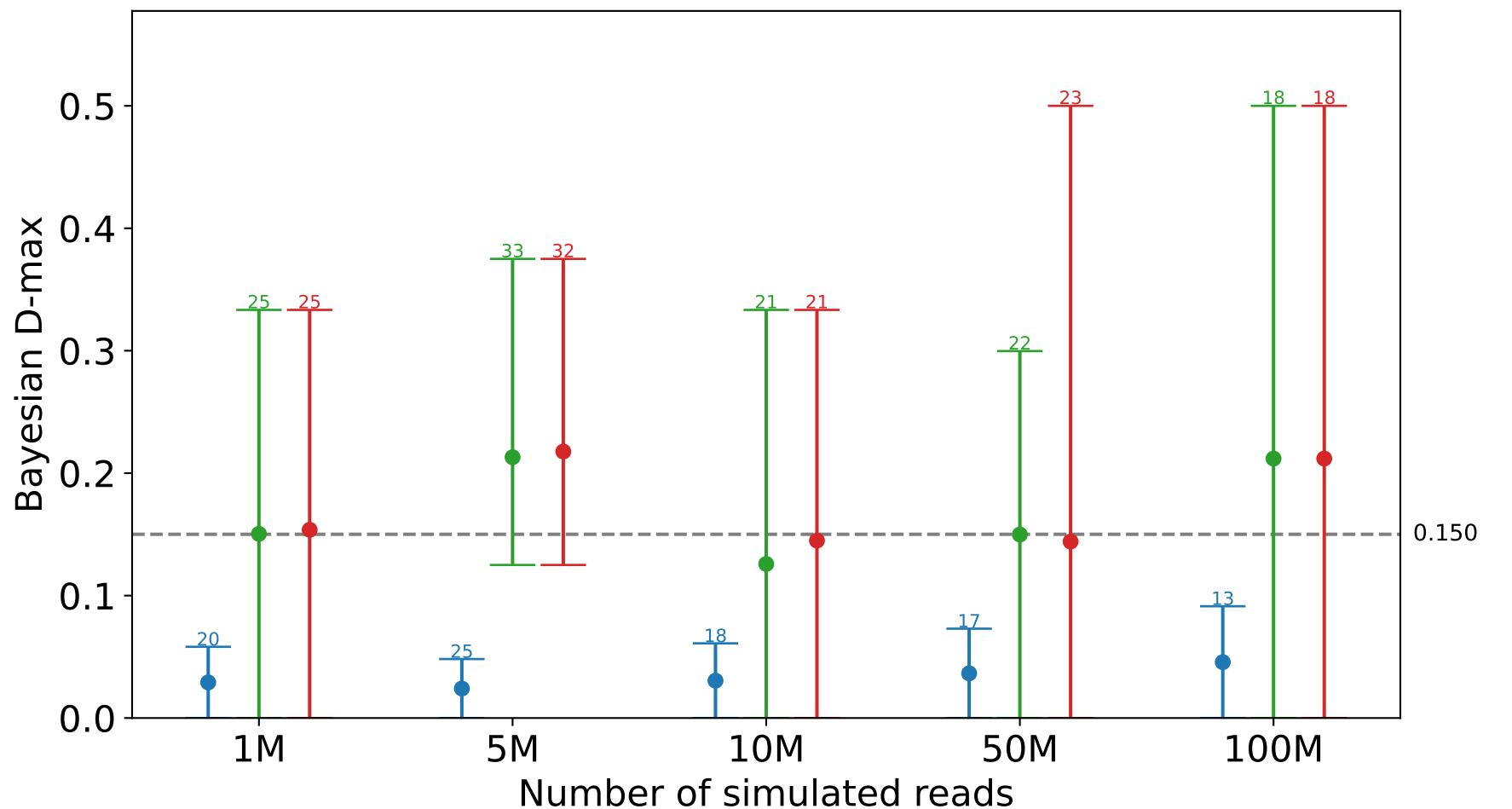
Only ancient: True

# Cave-22, Tax ID: 150172 s\_\_Bromus catharticus



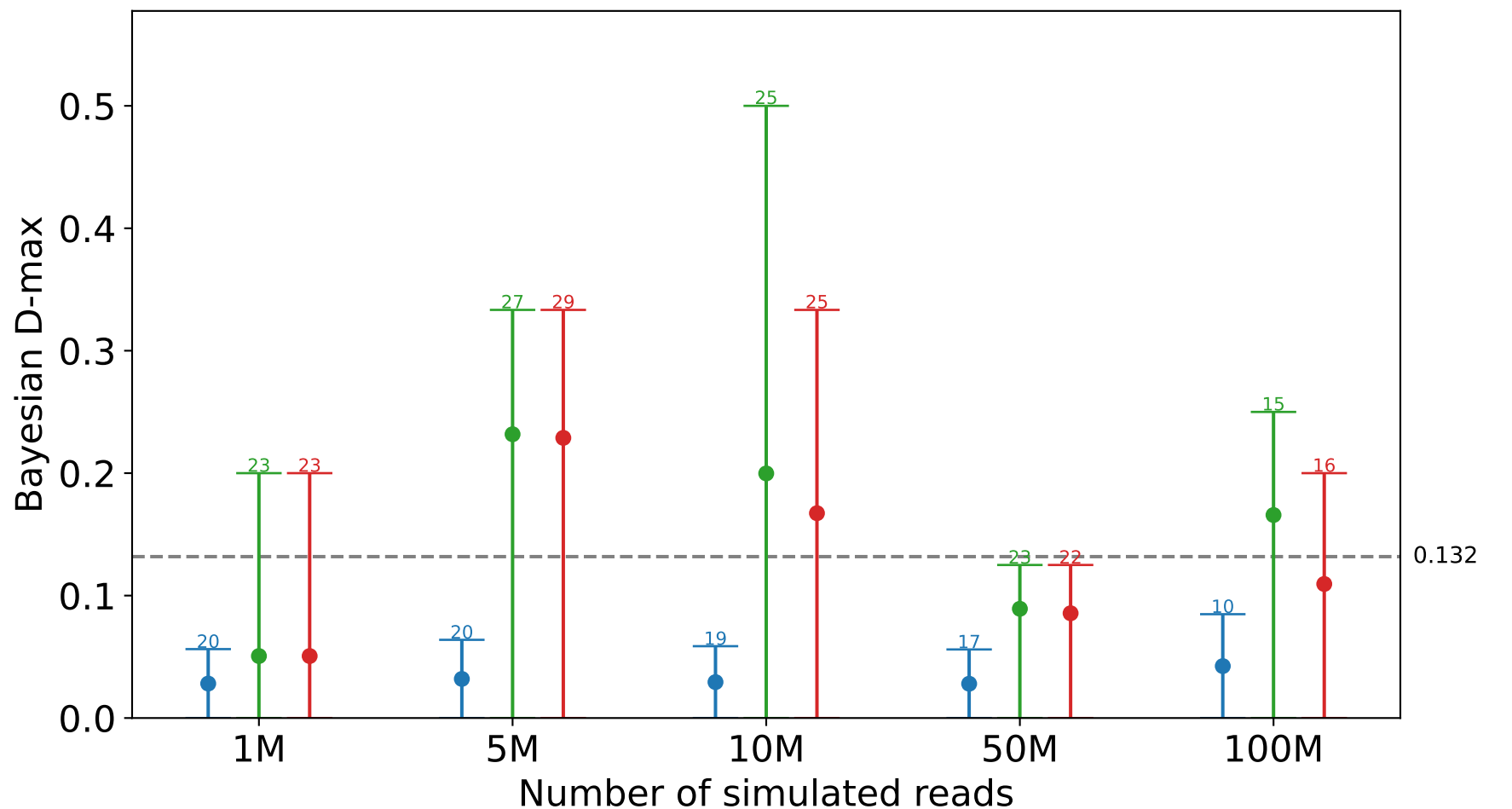
Only ancient: True

# Cave-22, Tax ID: 137228 s\_Puelia olyriformis



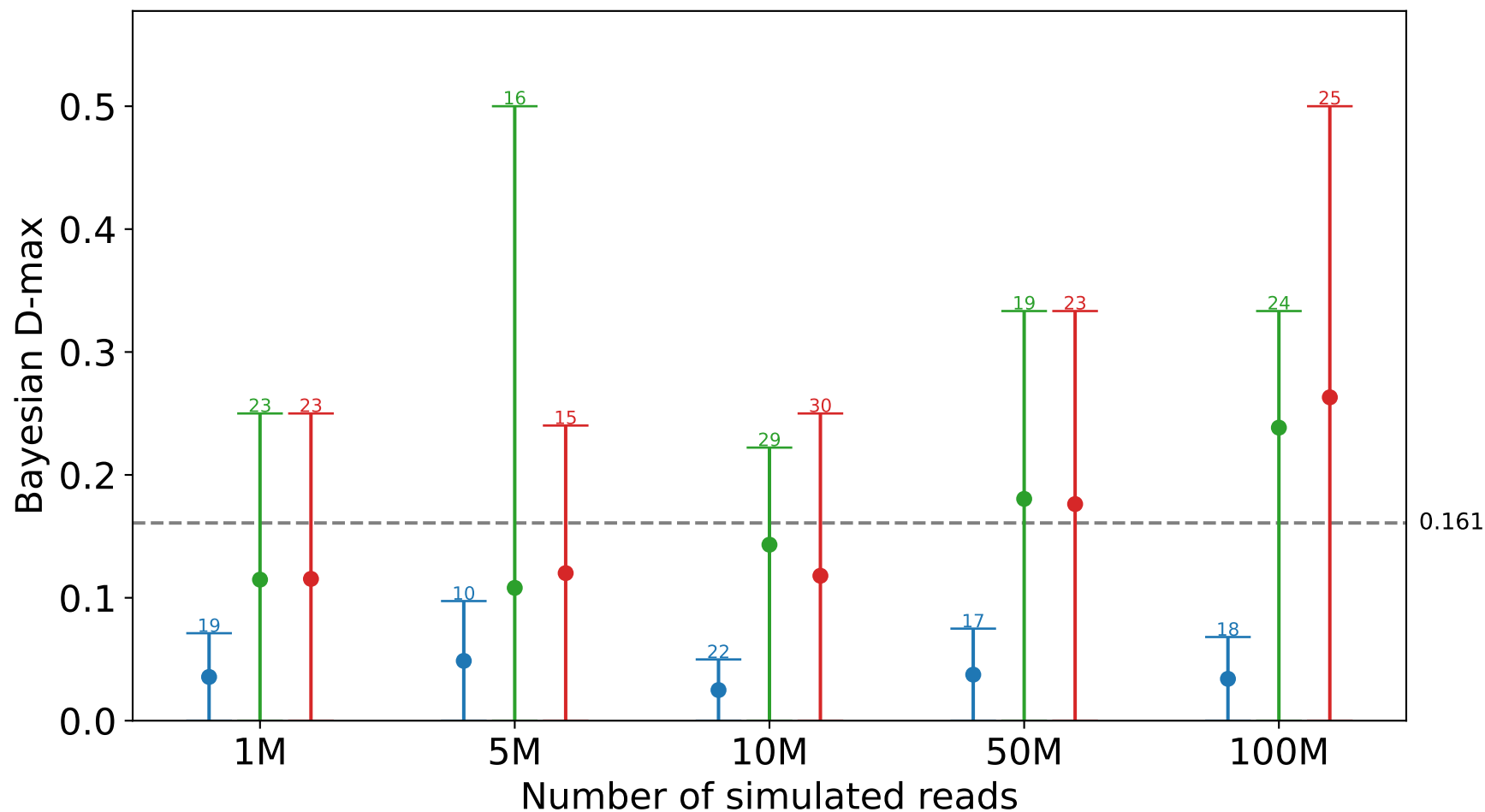
Only ancient: True

# Cave-22, Tax ID: 145778 s\_\_Desmazeria sicula



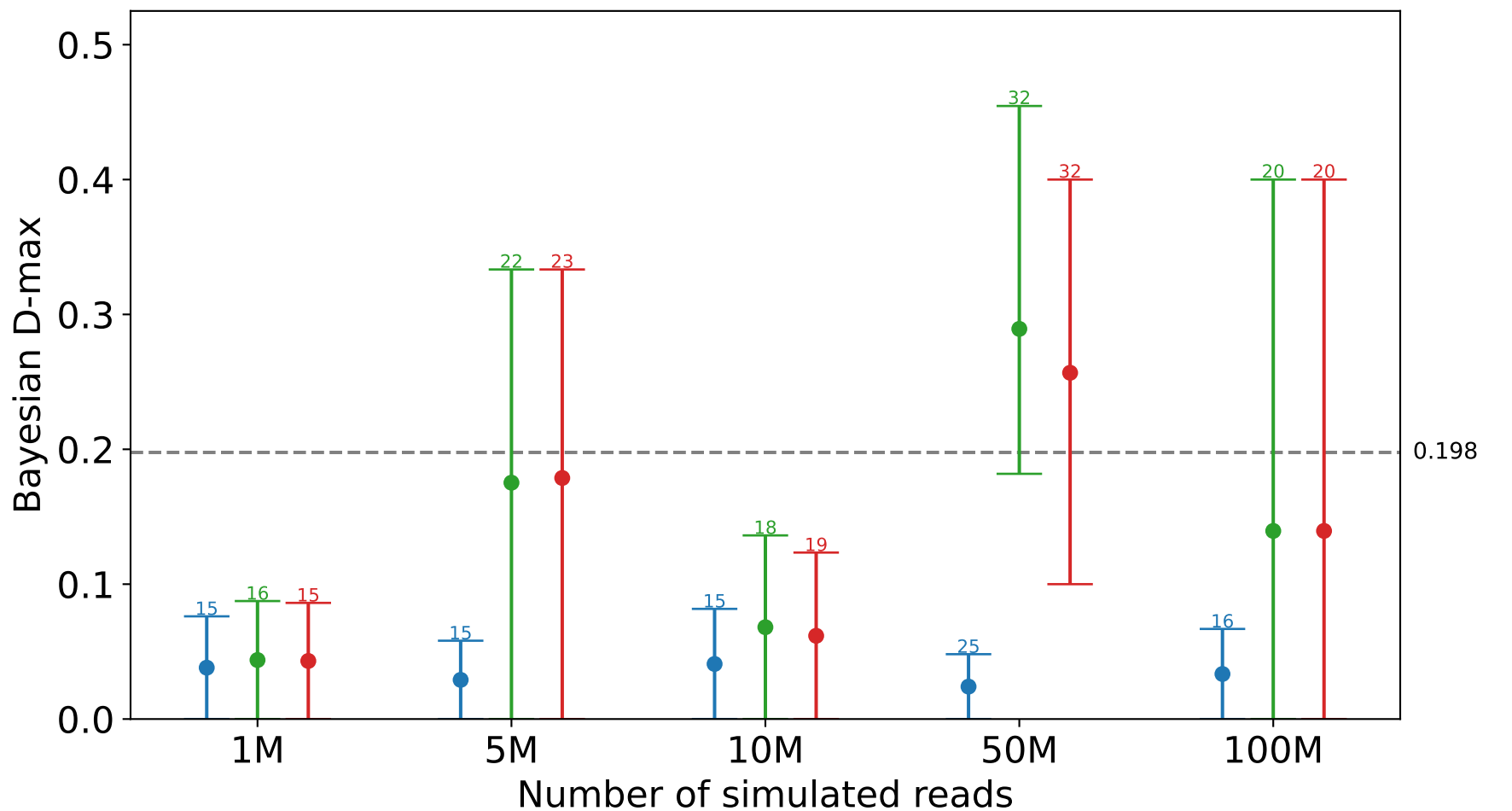
Only ancient: True

# Cave-22, Tax ID: 145785 s\_Gaudinopsis macra



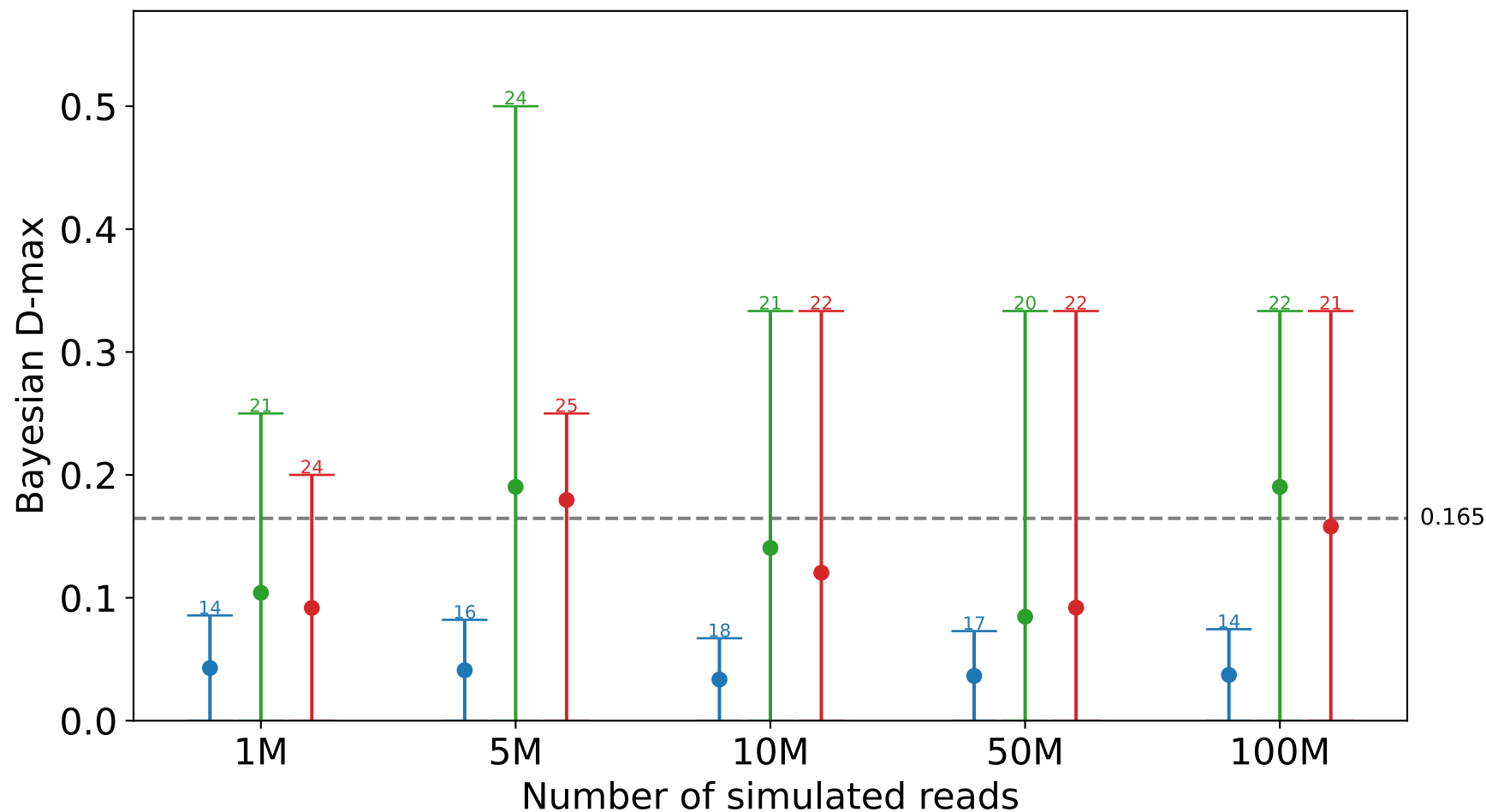
Only ancient: True

Cave-22, Tax ID: 143161  
s\_Phyllorachis sagittata



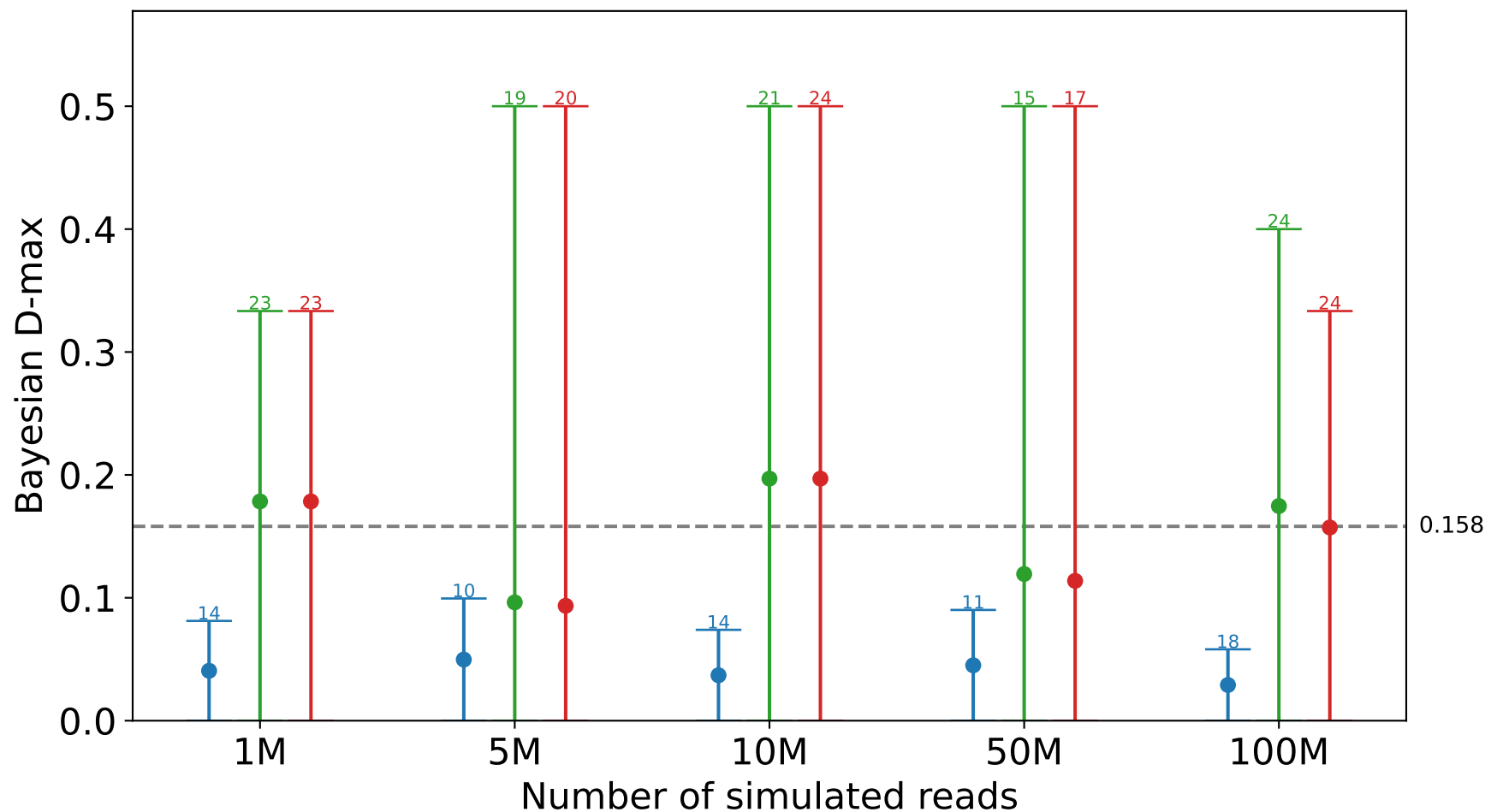
Only ancient: True

# Cave-22, Tax ID: 139014 s\_\_Phalaris arundinacea



Only ancient: True

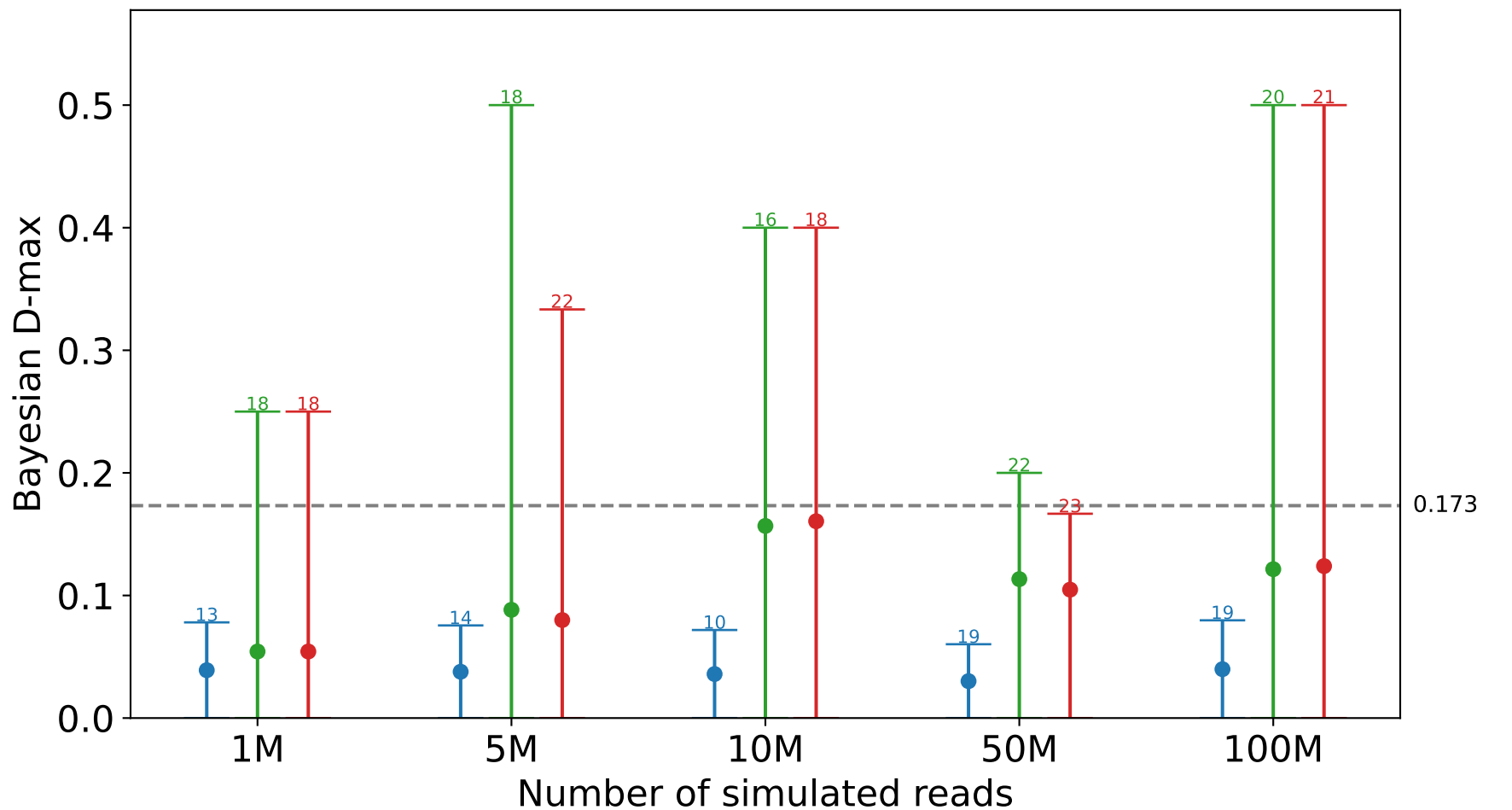
# Cave-22, Tax ID: 145638 s\_Koeleria nitidula





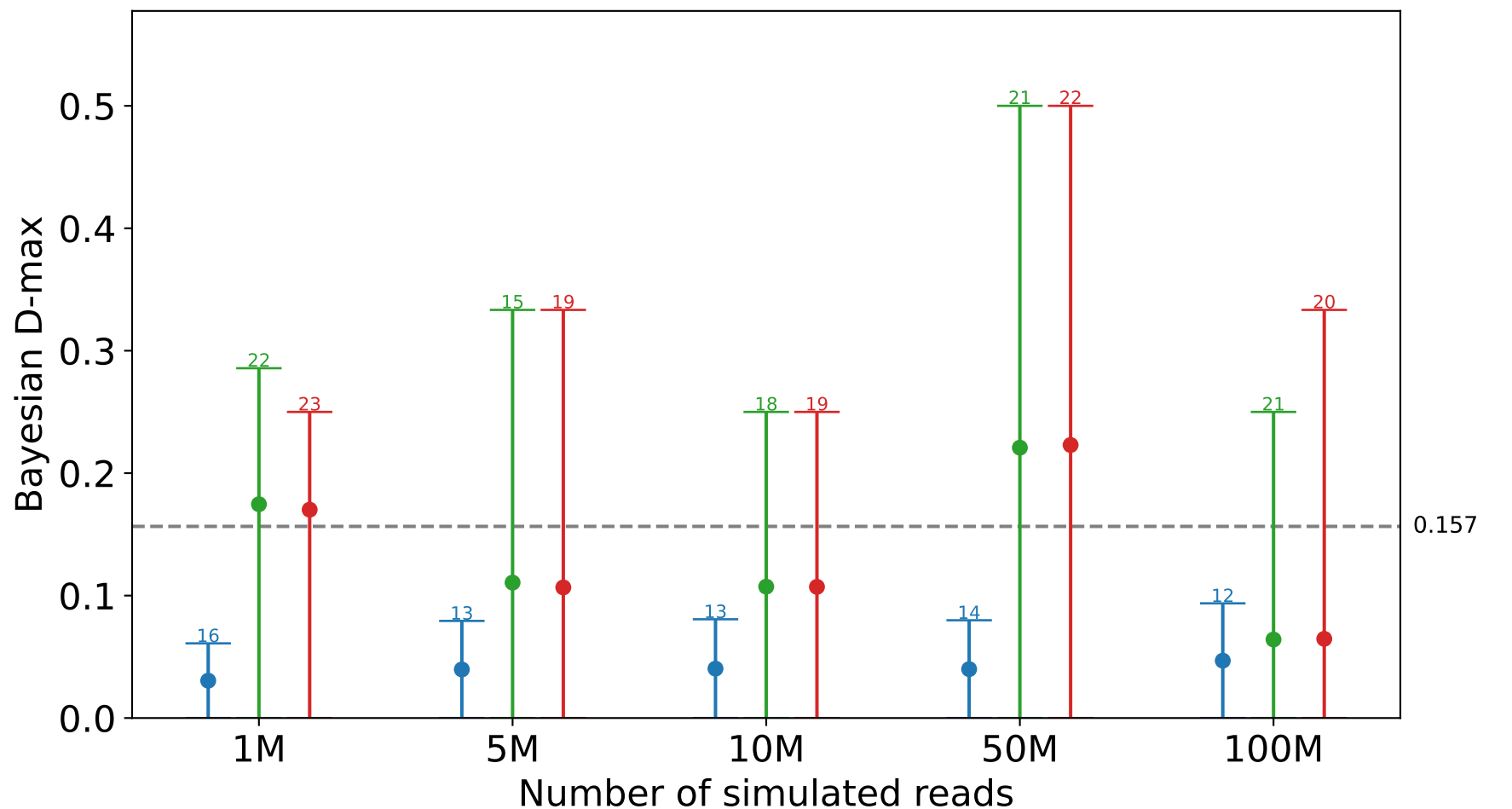
Only ancient: True

Cave-22, Tax ID: 143434  
s\_*Alopecurus arundinaceus*



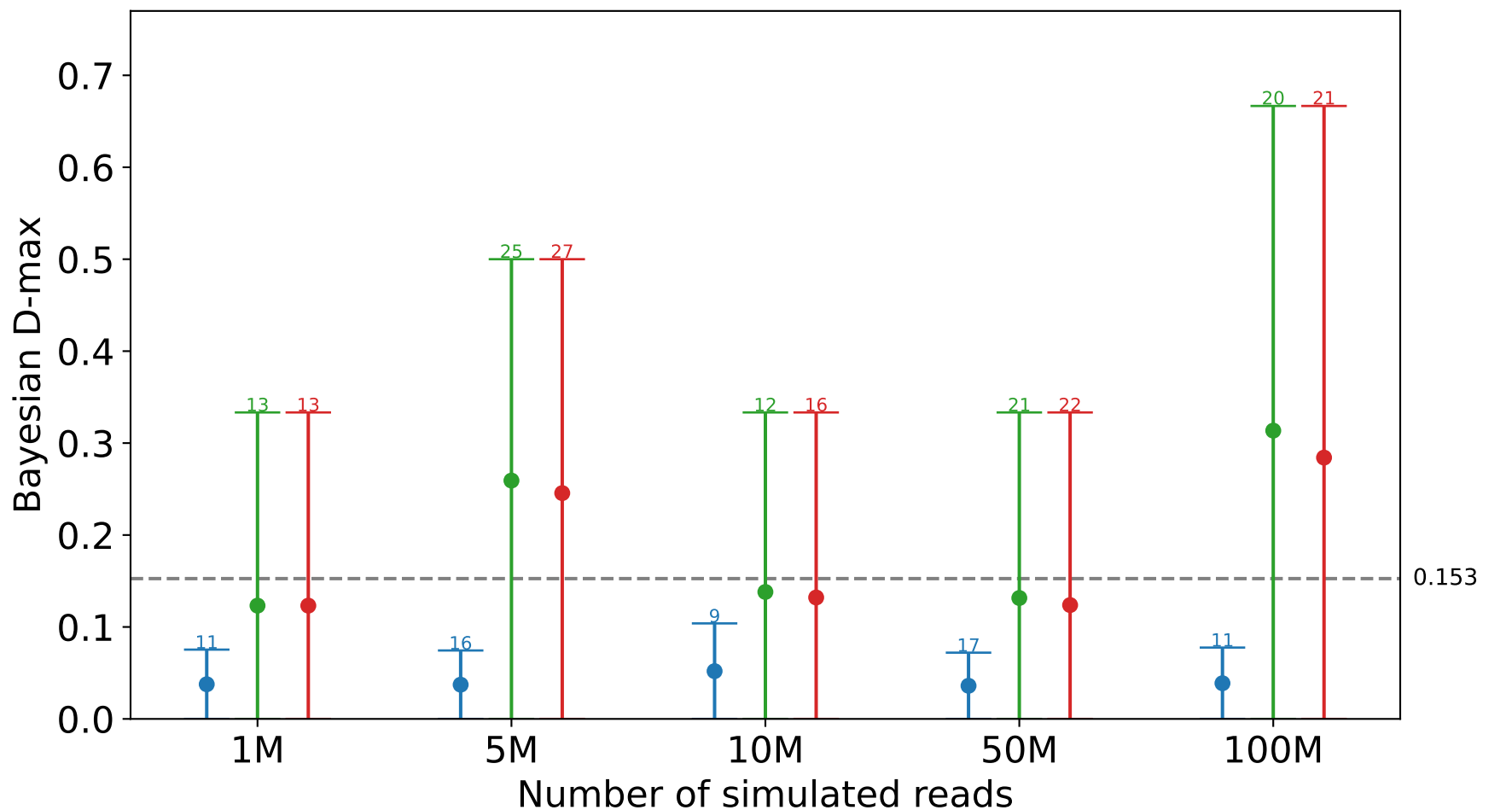
Only ancient: True

Cave-22, Tax ID: 143162  
s\_Piptatherum songaricum



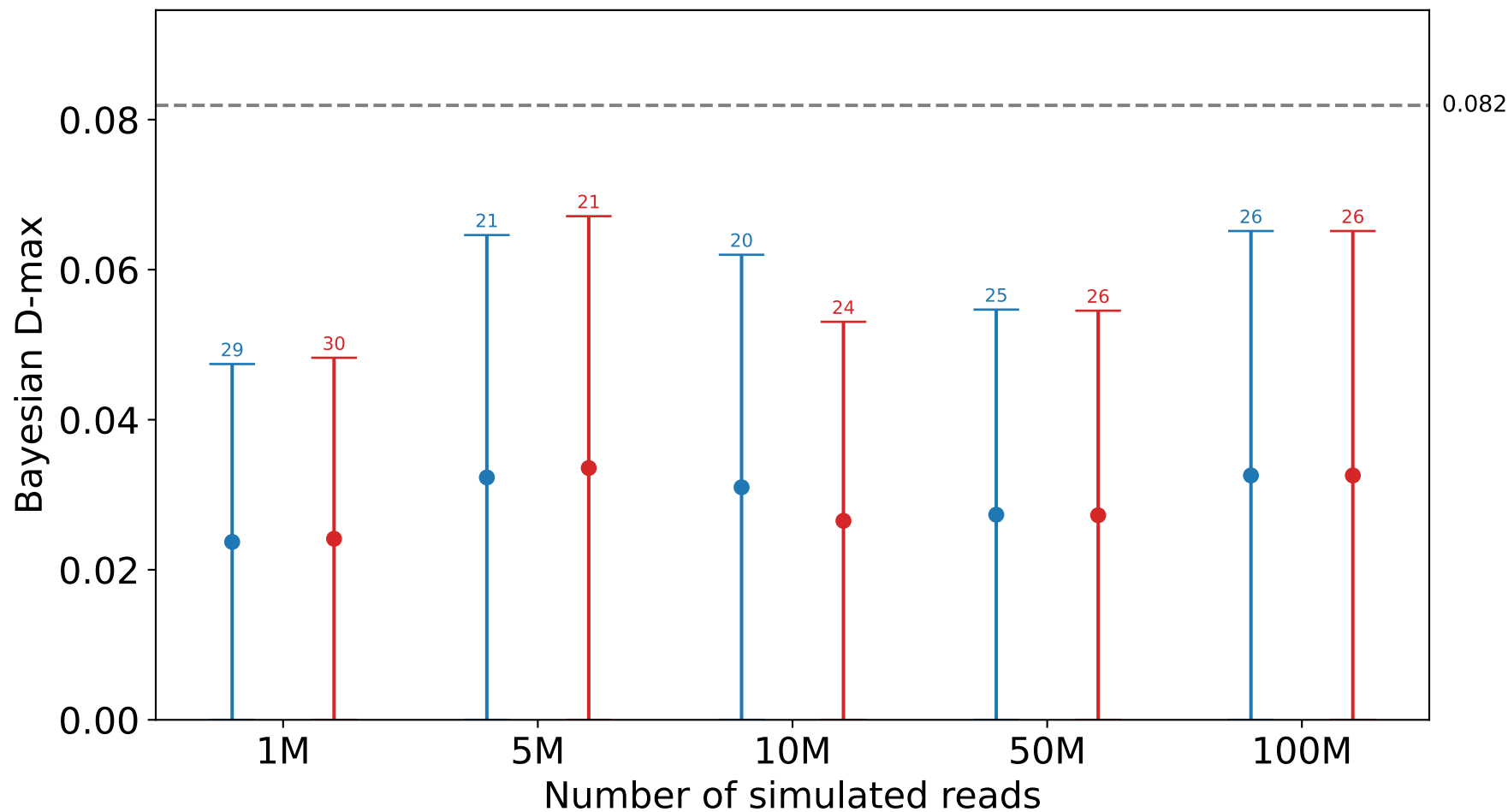
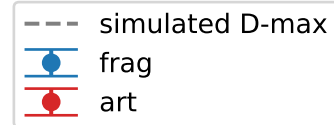
Only ancient: True

Cave-22, Tax ID: 145639  
*s\_Nephelochloa orientalis*



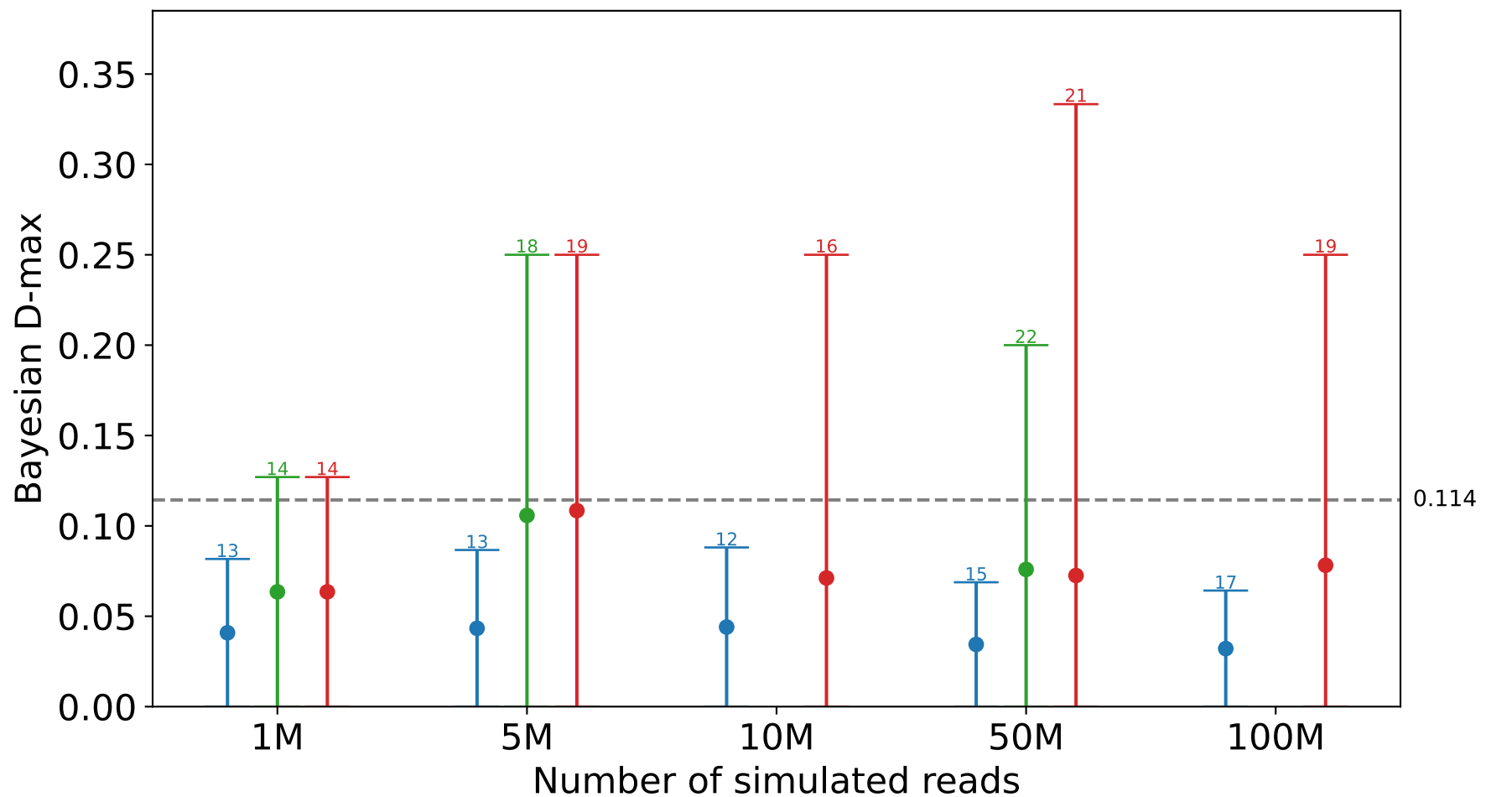
Only ancient: None

# Cave-22, Tax ID: 148009 s\_Thuja koraiensis



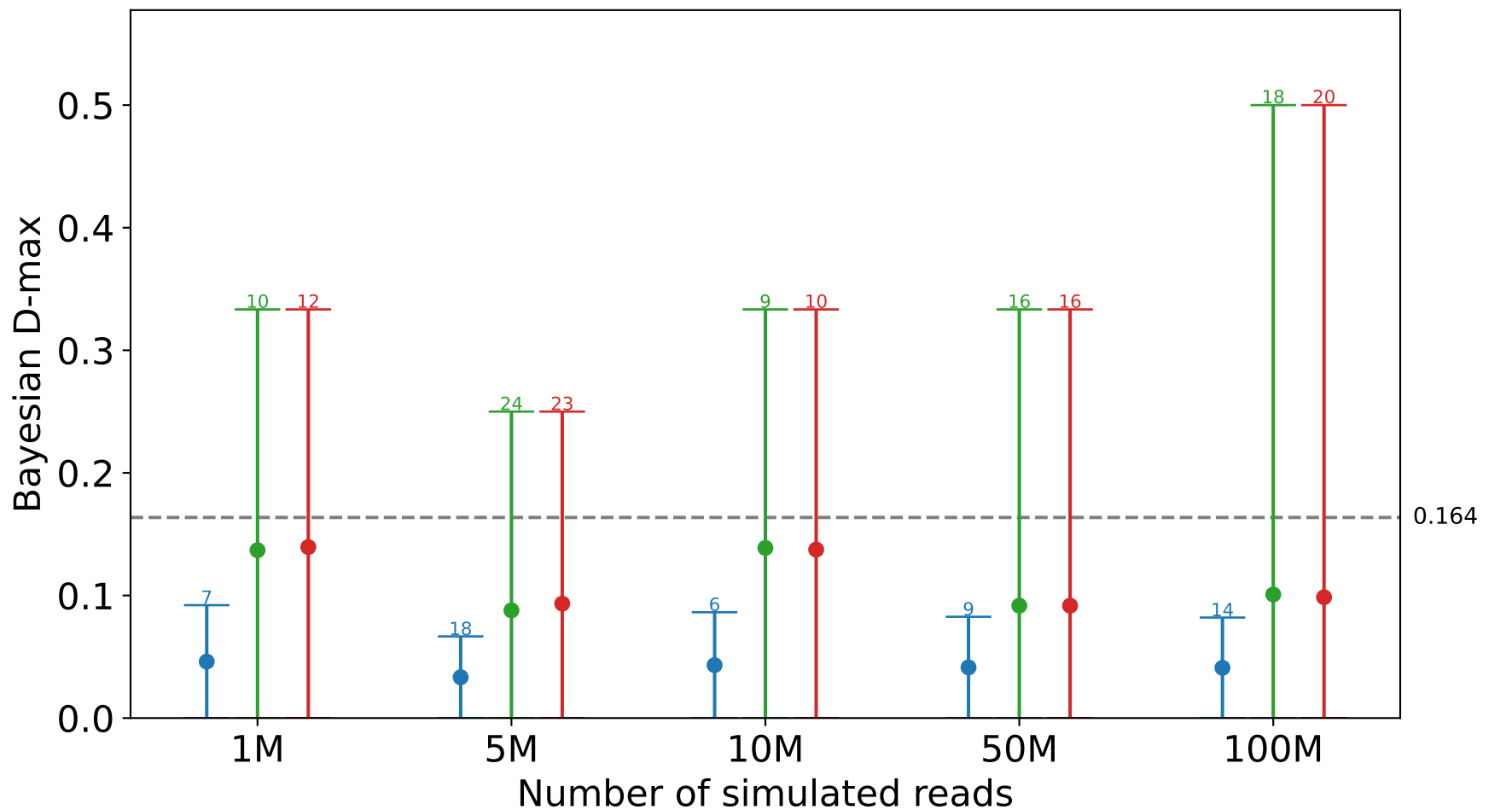
Only ancient: True

# Cave-22, Tax ID: 140413 s\_\_Oncorachis ramosa



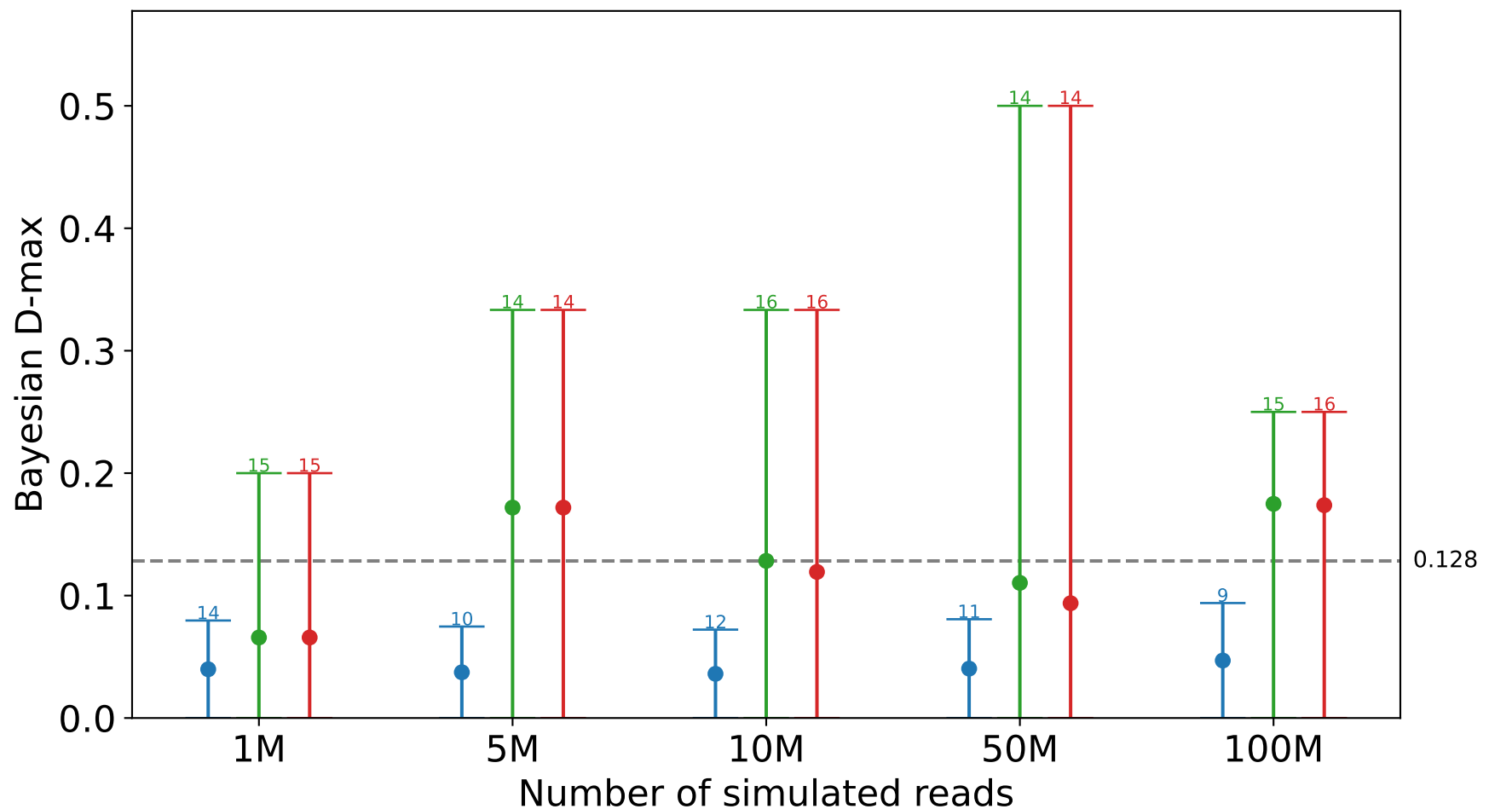
Only ancient: True

Cave-22, Tax ID: 148625  
s\_\_Beckmannia syzigachne



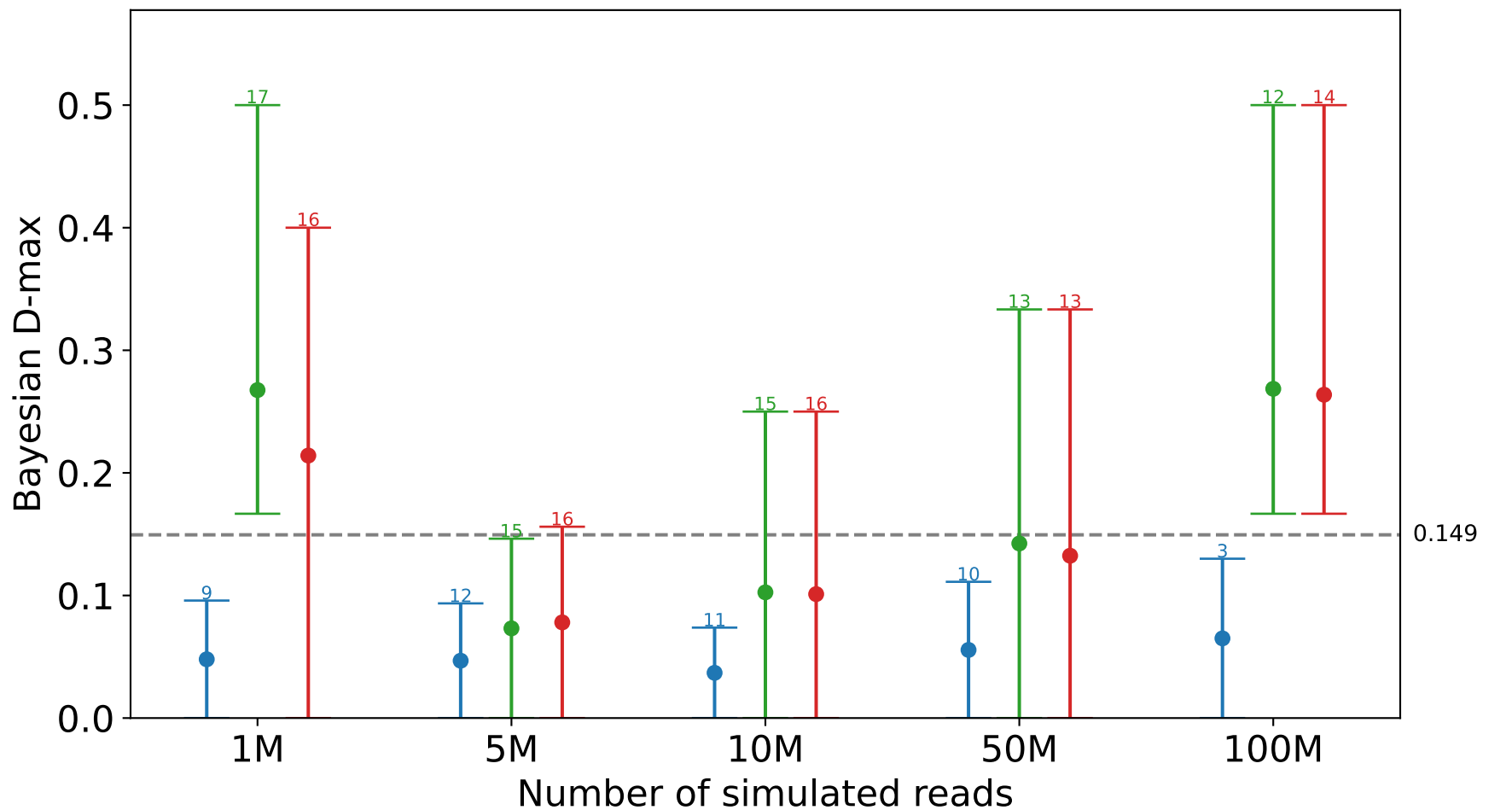
Only ancient: True

Cave-22, Tax ID: 148633  
s\_\_Schizachne purpurascens



Only ancient: True

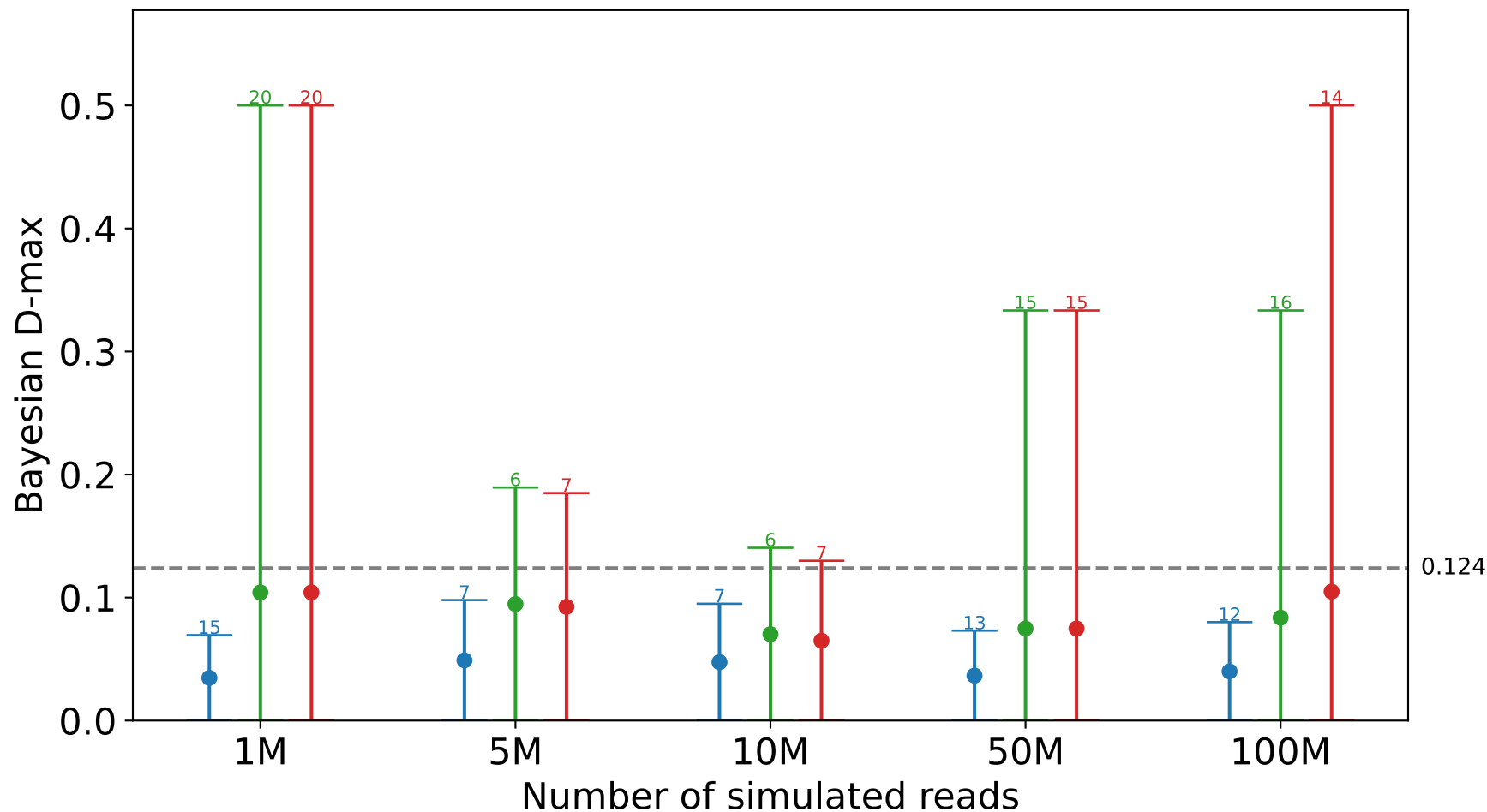
Cave-22, Tax ID: 136036  
s\_Festuca altissima





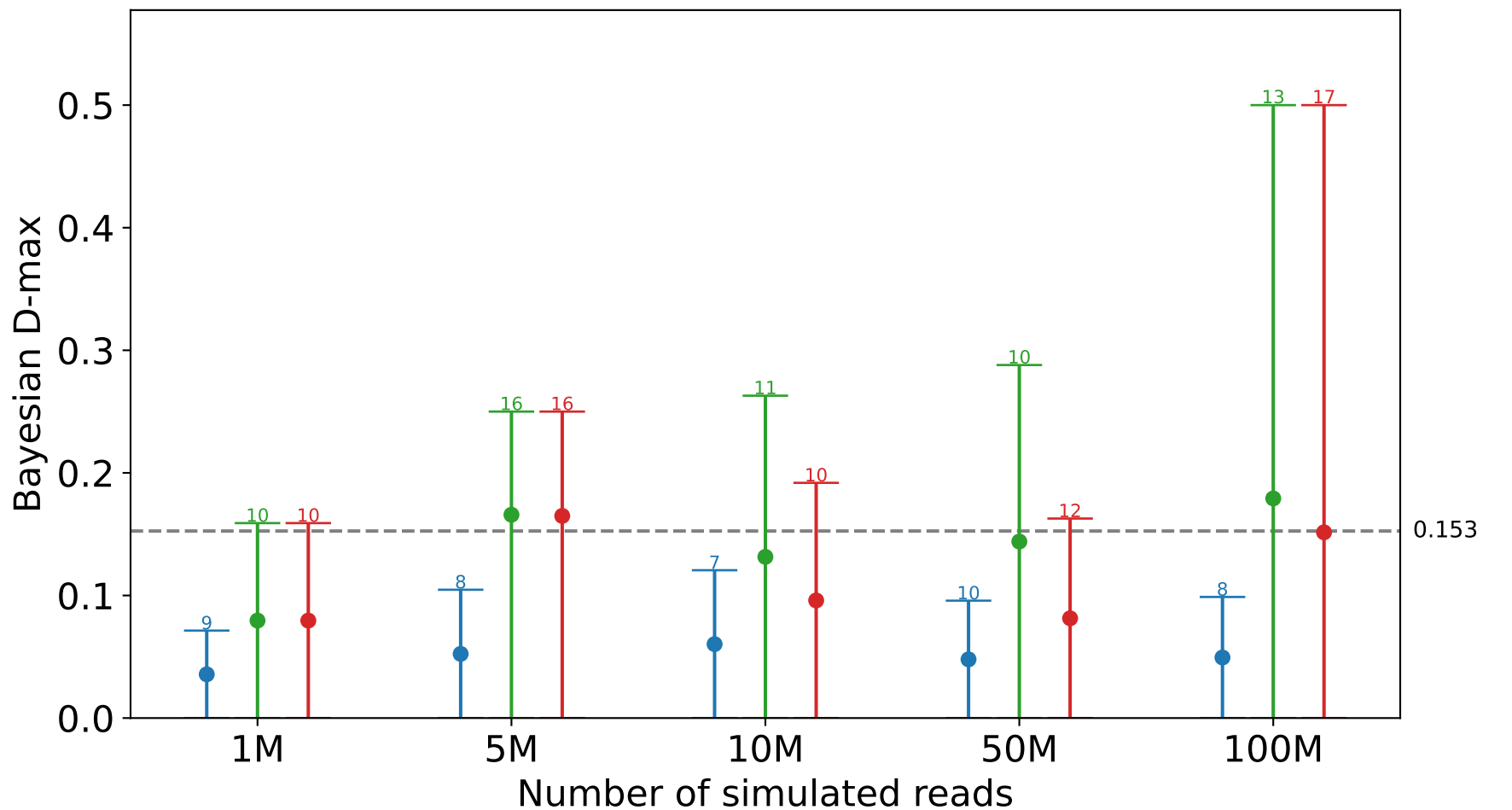
Only ancient: True

Cave-22, Tax ID: 138746  
s\_\_Diandrolyra sp. Clark 1301



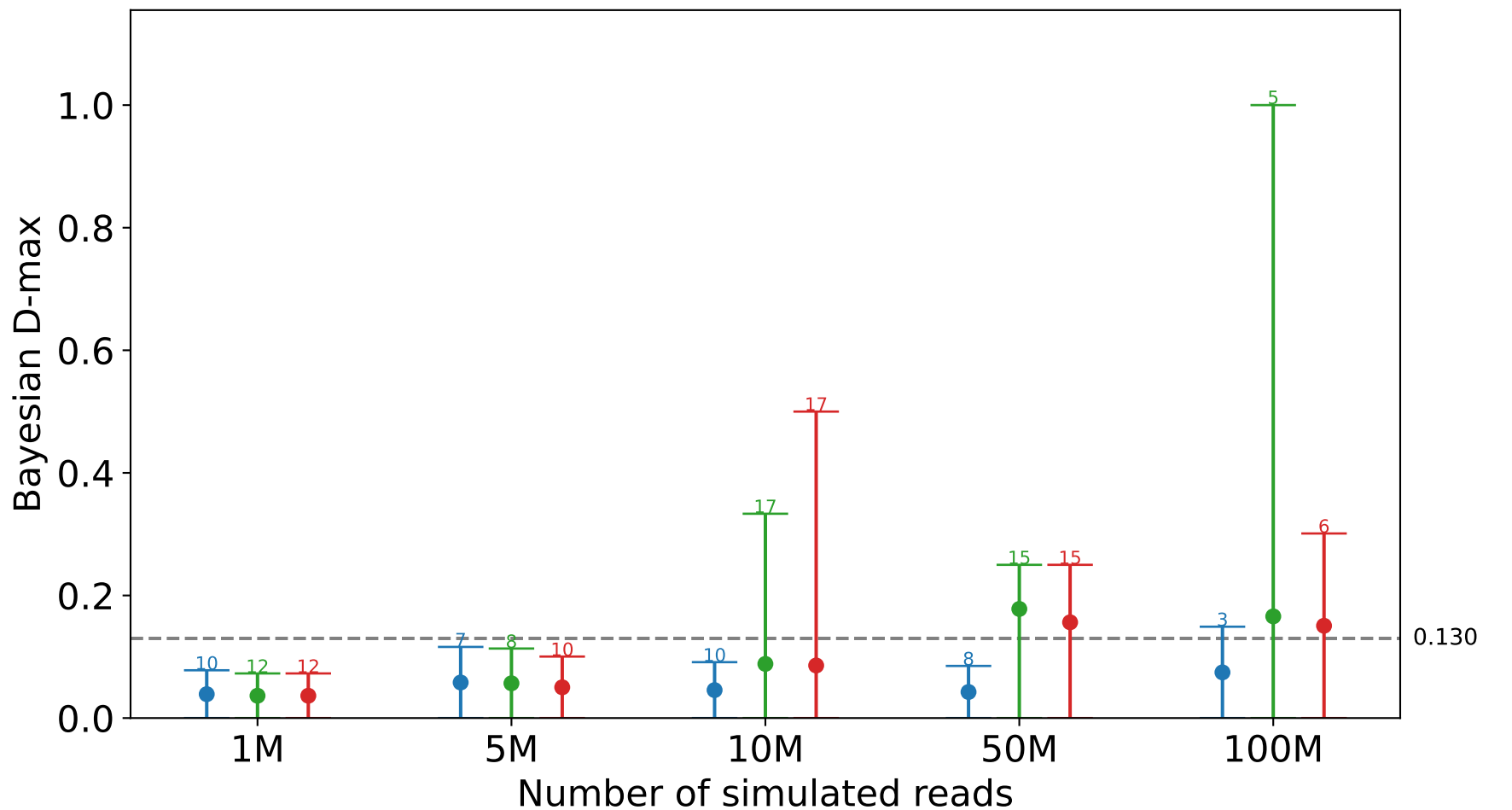
Only ancient: True

Cave-22, Tax ID: 139008  
s\_Hierochloe odorata



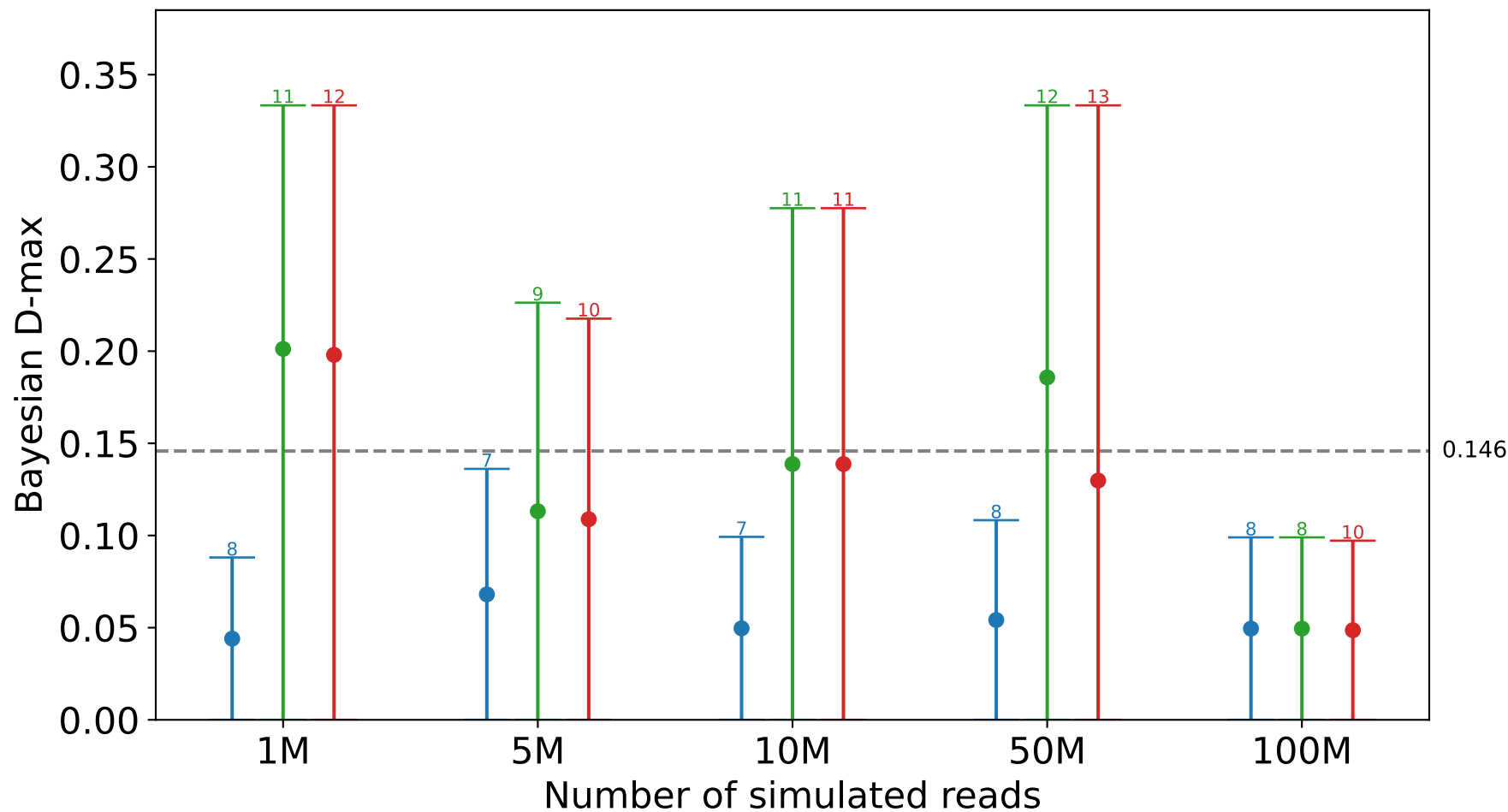
Only ancient: True

Cave-22, Tax ID: 139007  
s\_Diarrhena obovata



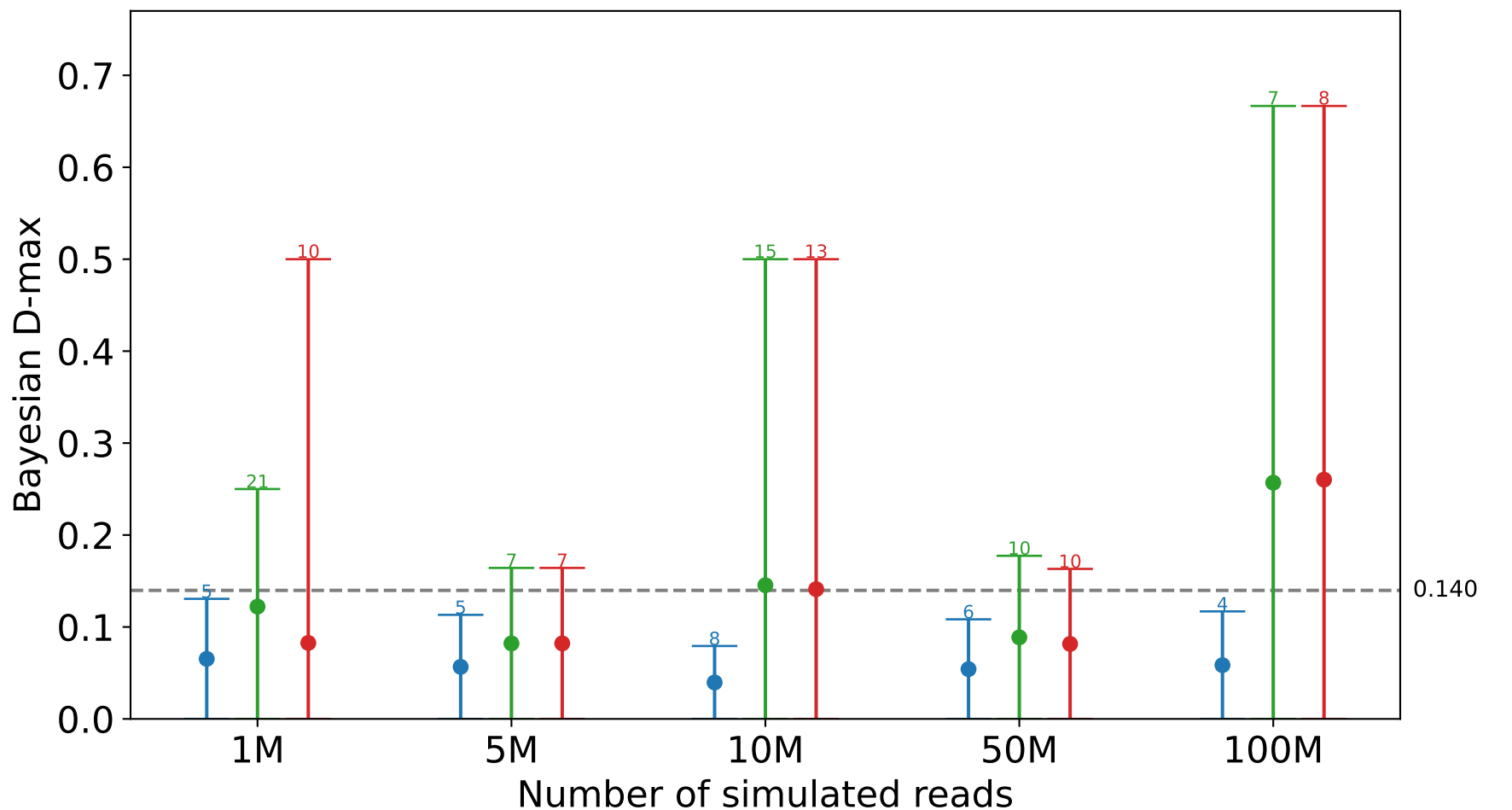
Only ancient: True

# Cave-22, Tax ID: 136657 s\_\_Secale cereale



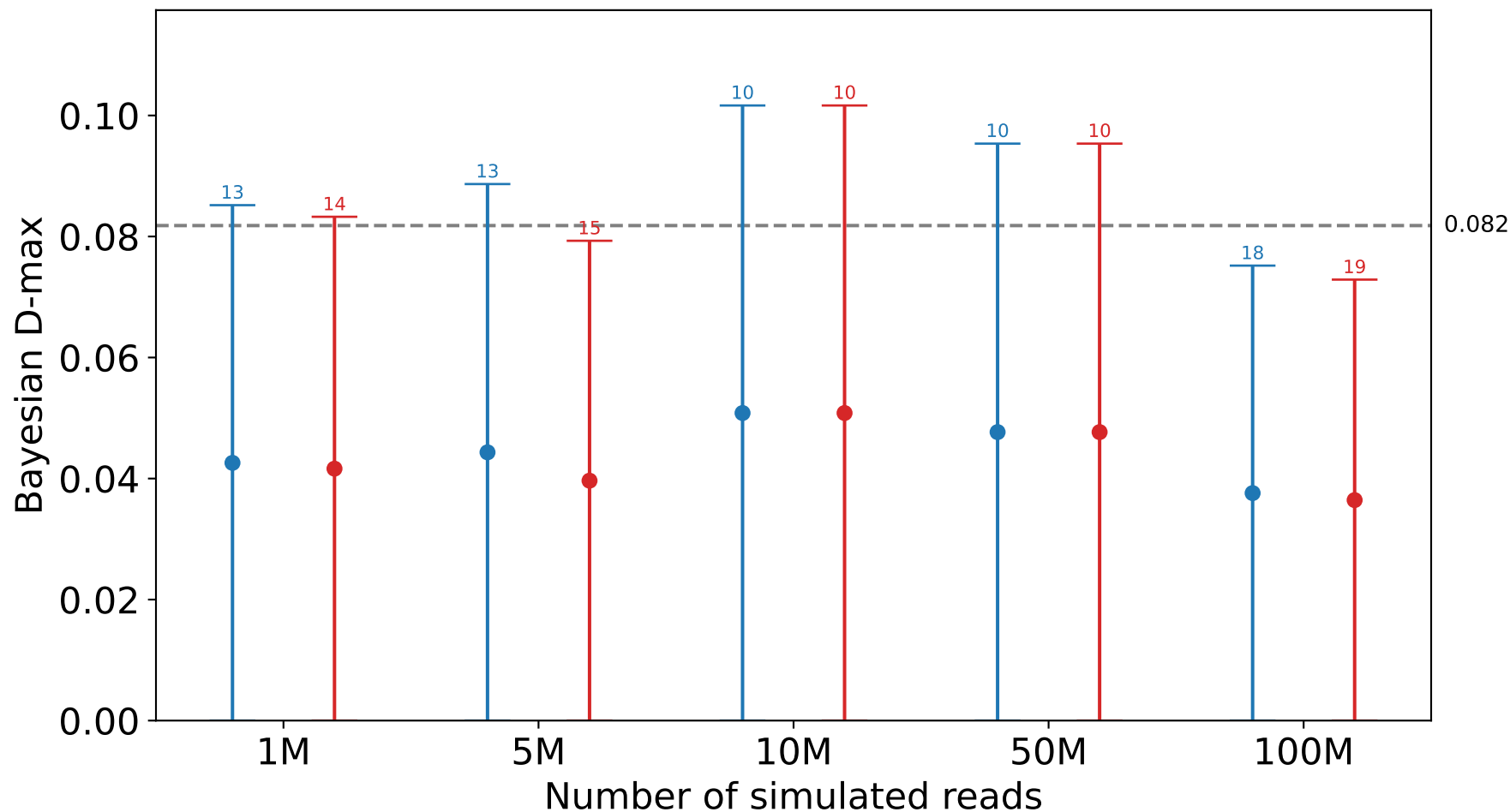
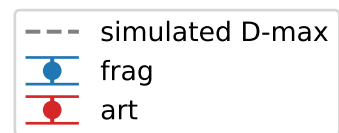
Only ancient: True

# Cave-22, Tax ID: 145558 s\_\_Urochondra setulosa



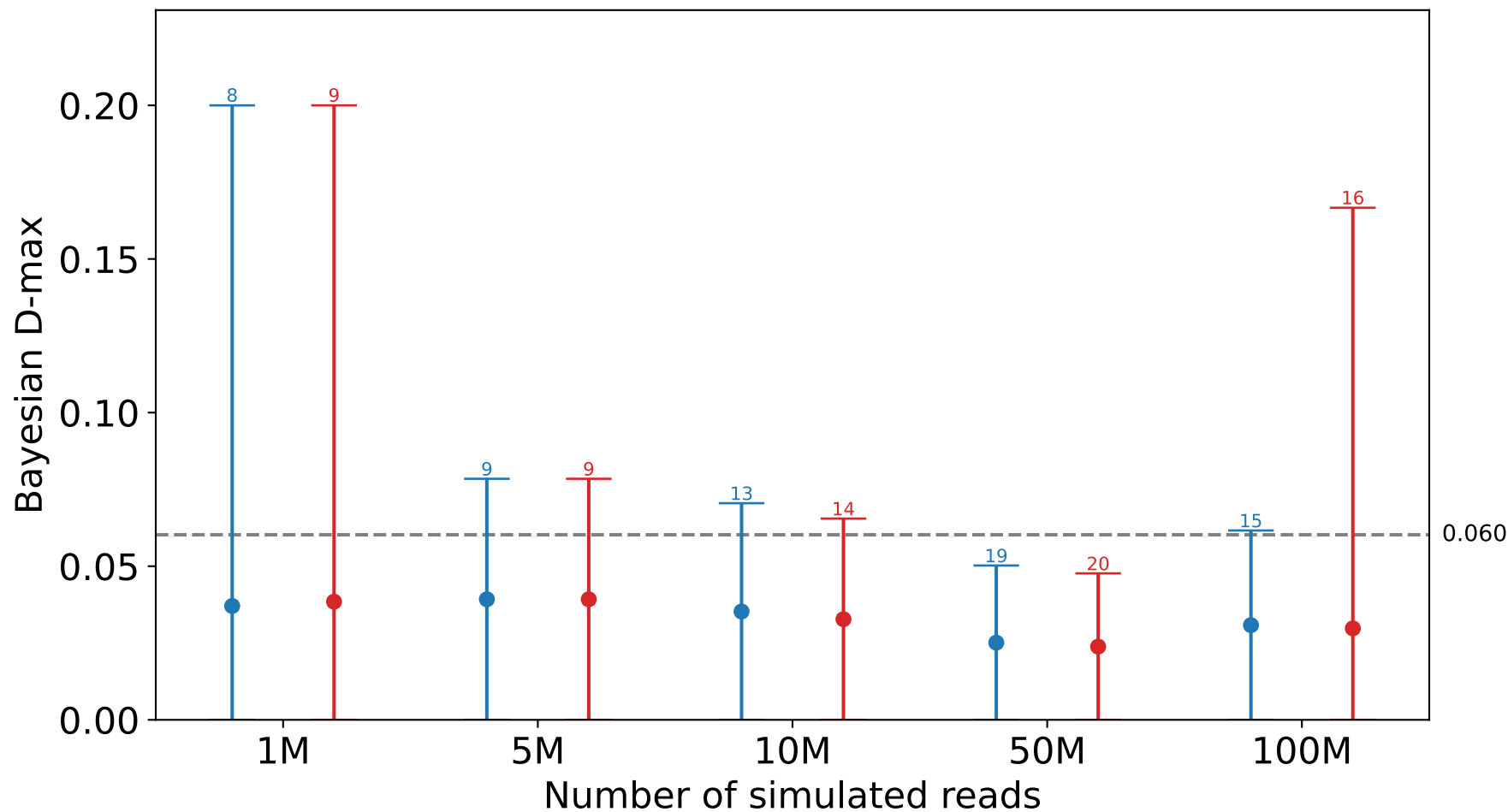
Only ancient: None

# Cave-22, Tax ID: 150301 s\_Pilea cadierei



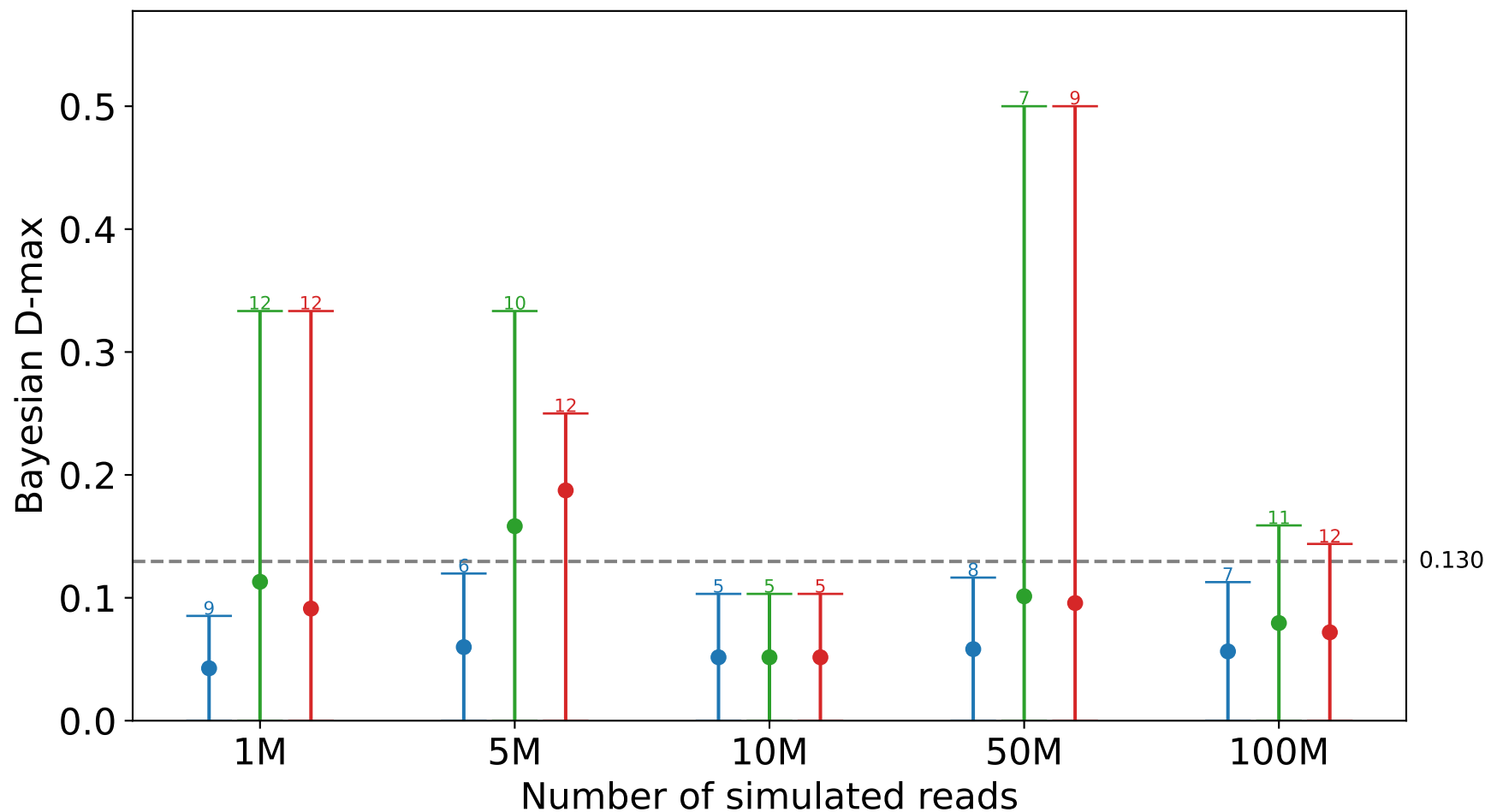
Only ancient: None

# Cave-22, Tax ID: 134315 s\_Picea sitchensis



Only ancient: True

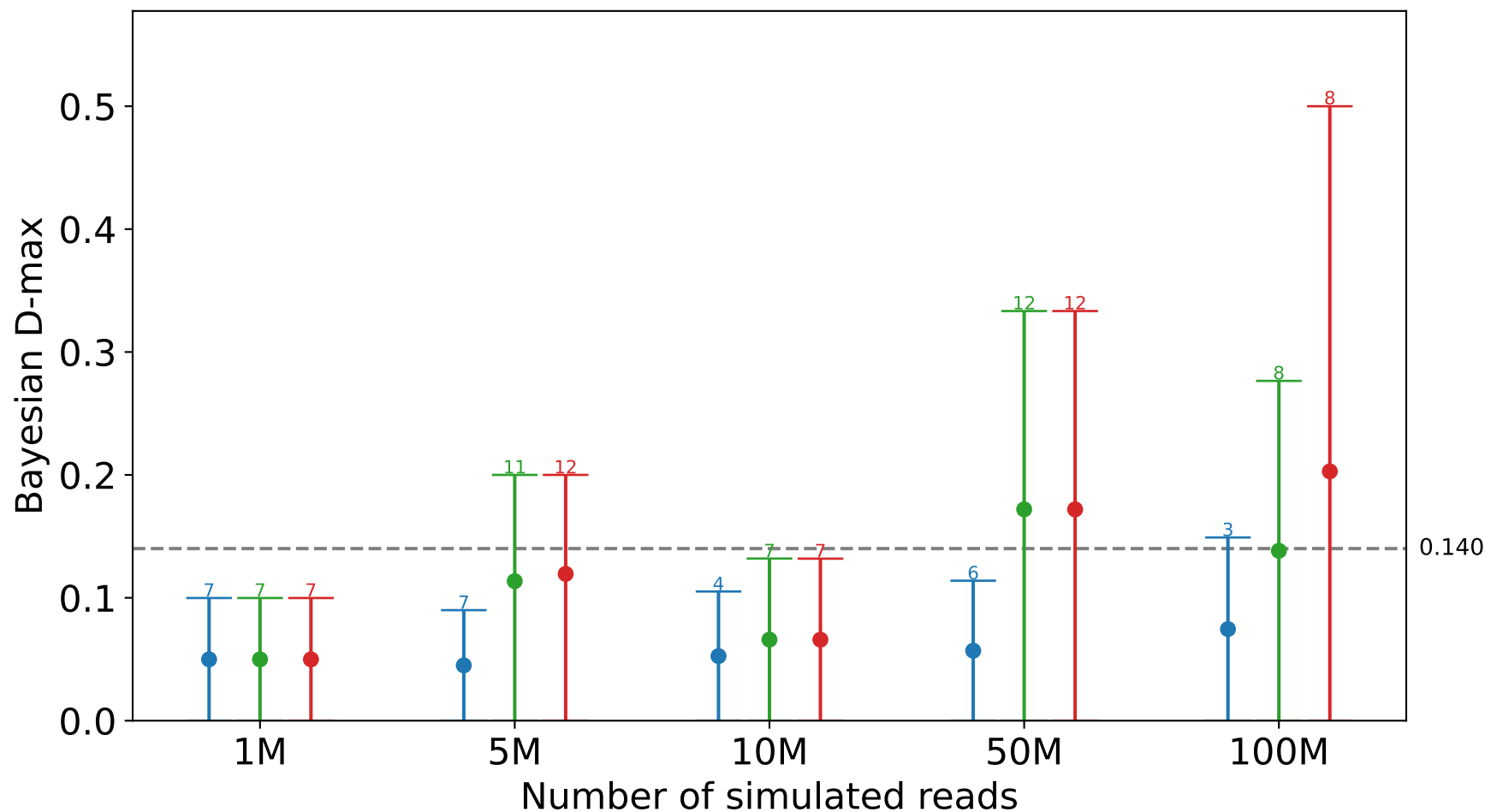
# Cave-22, Tax ID: 144746 s\_Rehia nervata





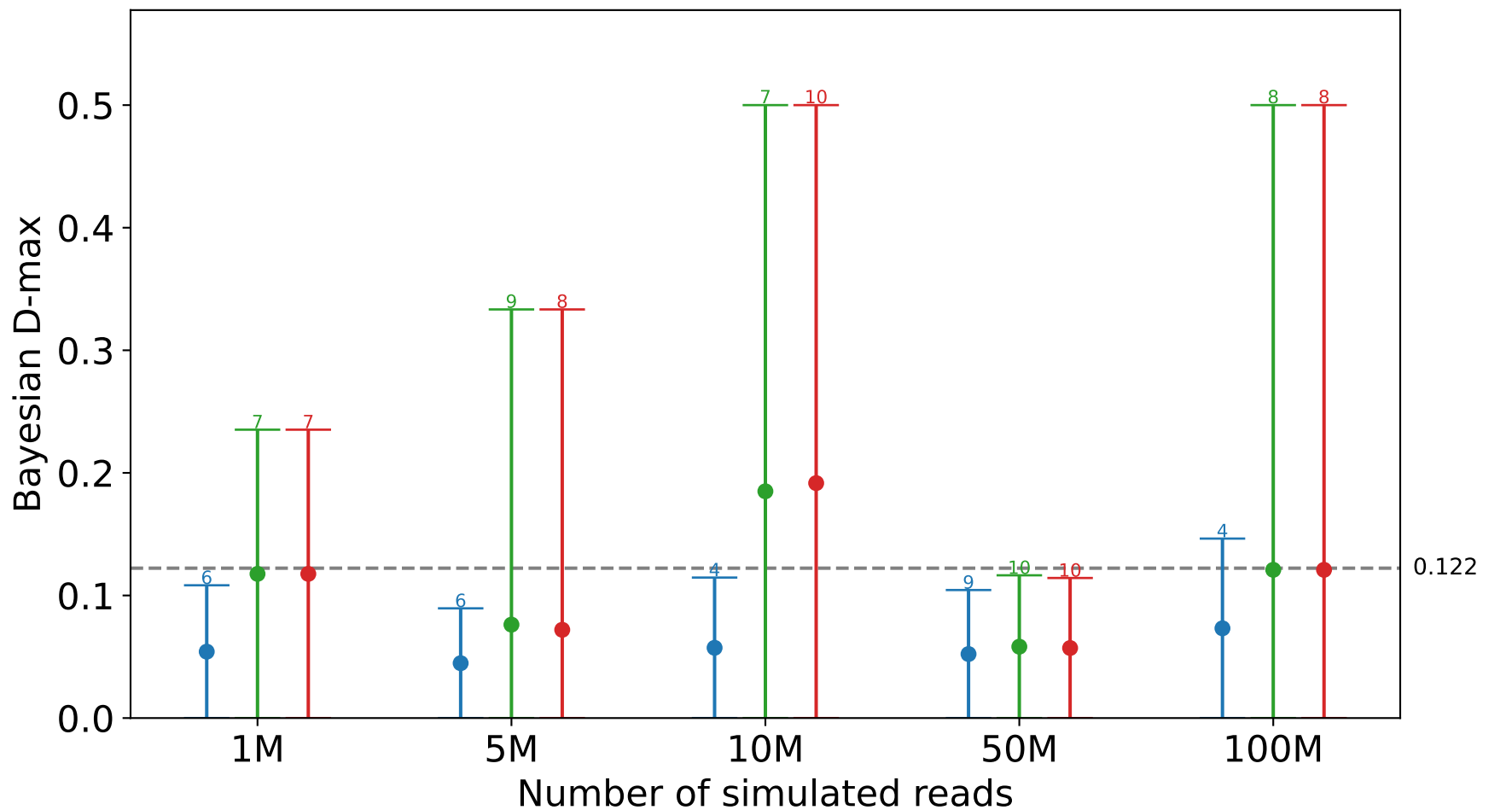
Only ancient: True

# Cave-22, Tax ID: 139012 s\_\_Oryzopsis asperifolia



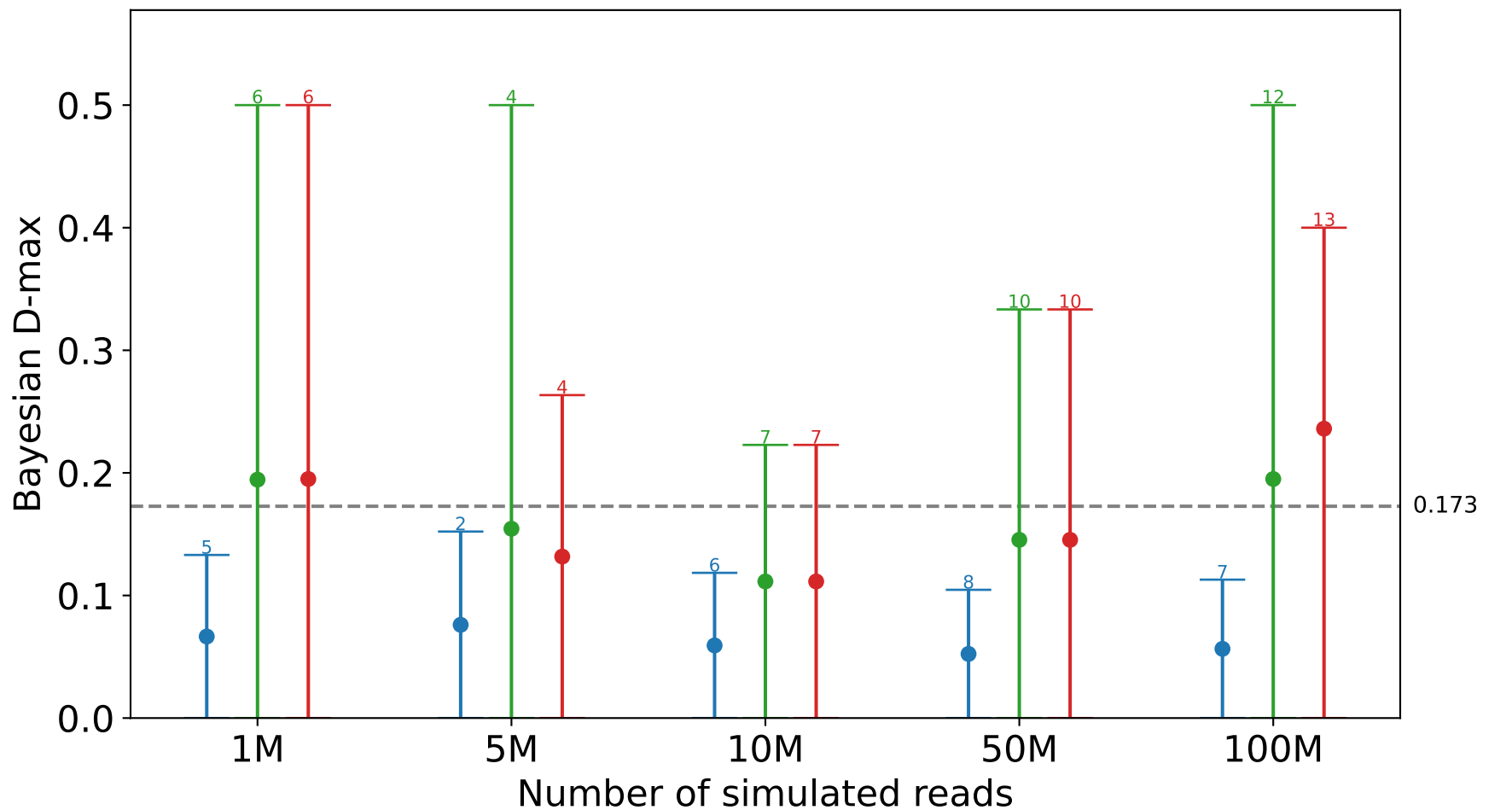
Only ancient: True

Cave-22, Tax ID: 145779  
s\_*Dichelachne crinita*



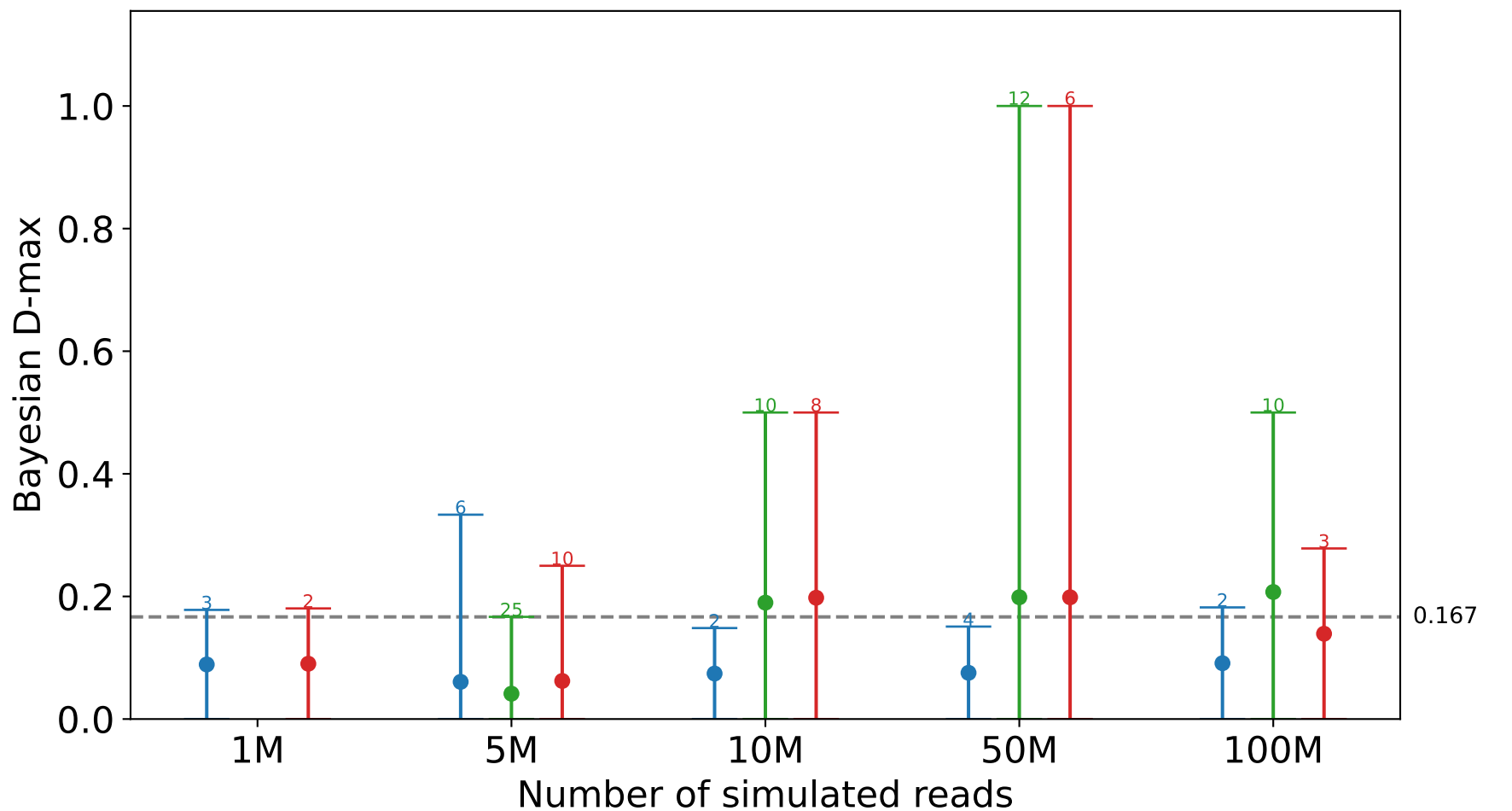
Only ancient: True

# Cave-22, Tax ID: 139009 s\_\_Hordeum jubatum



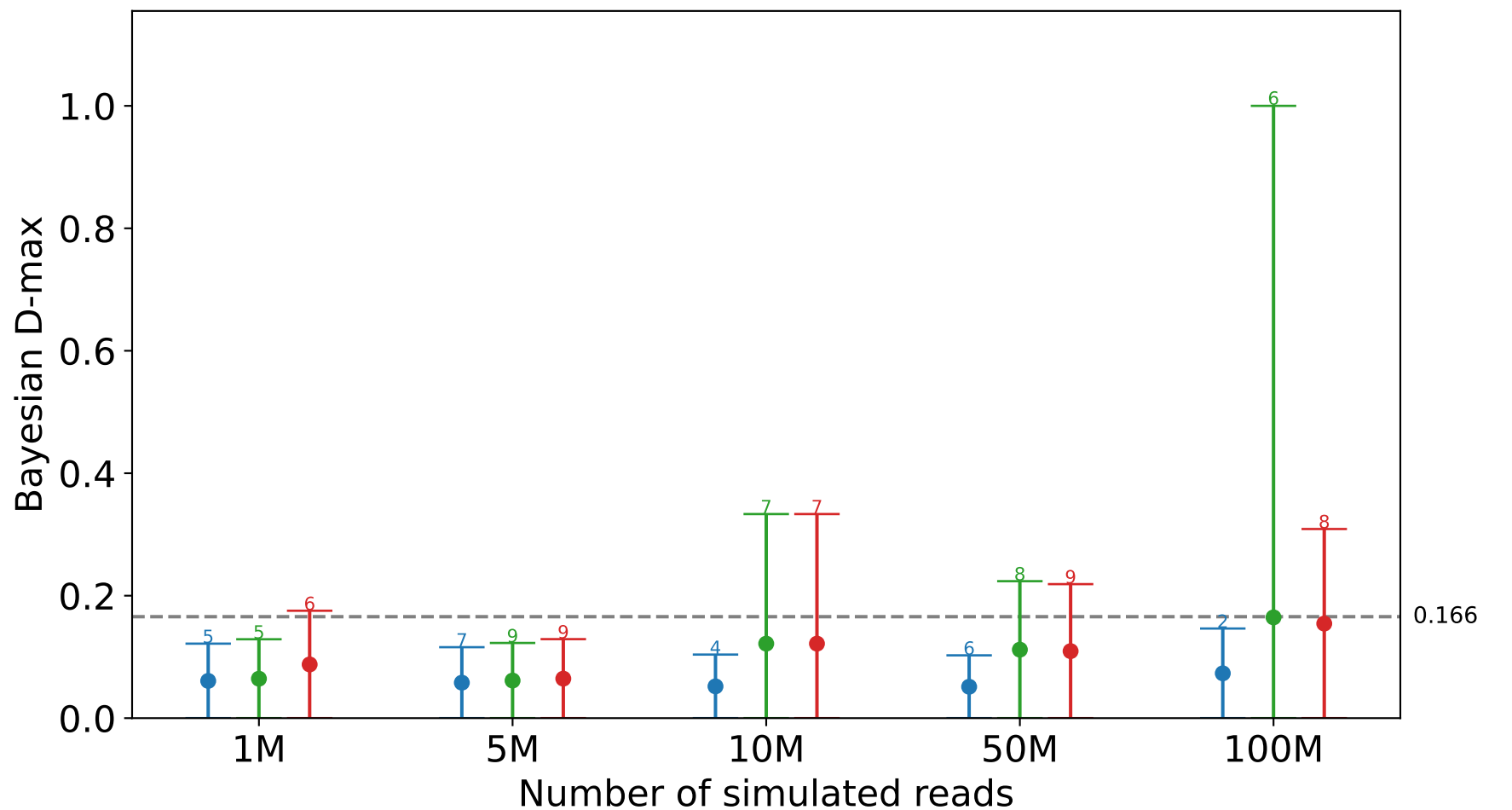
Only ancient: True

Cave-22, Tax ID: 142871  
*s\_Aristida rufescens*



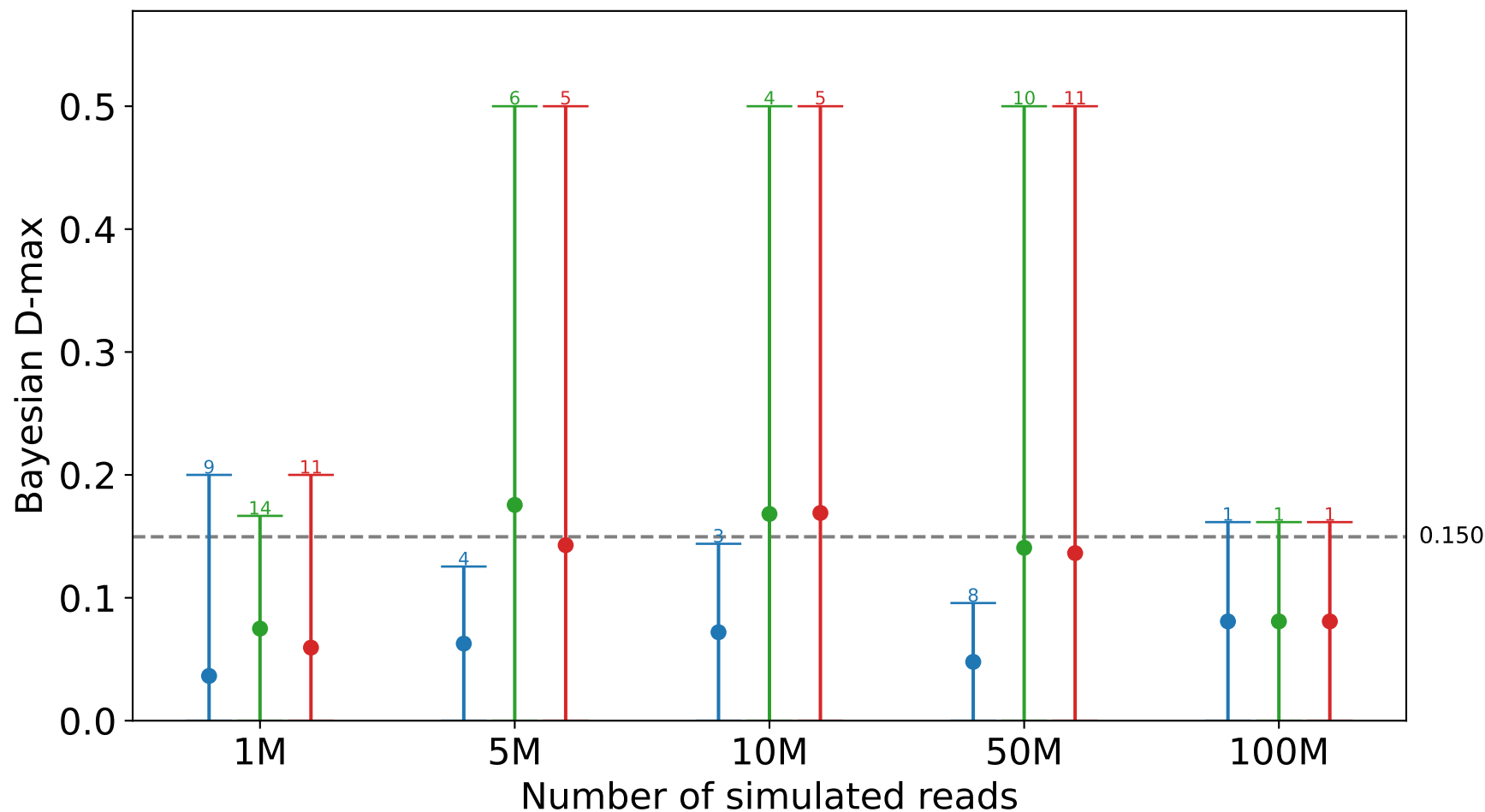
Only ancient: True

Cave-22, Tax ID: 146090  
s\_\_Australopyrum retrofractum



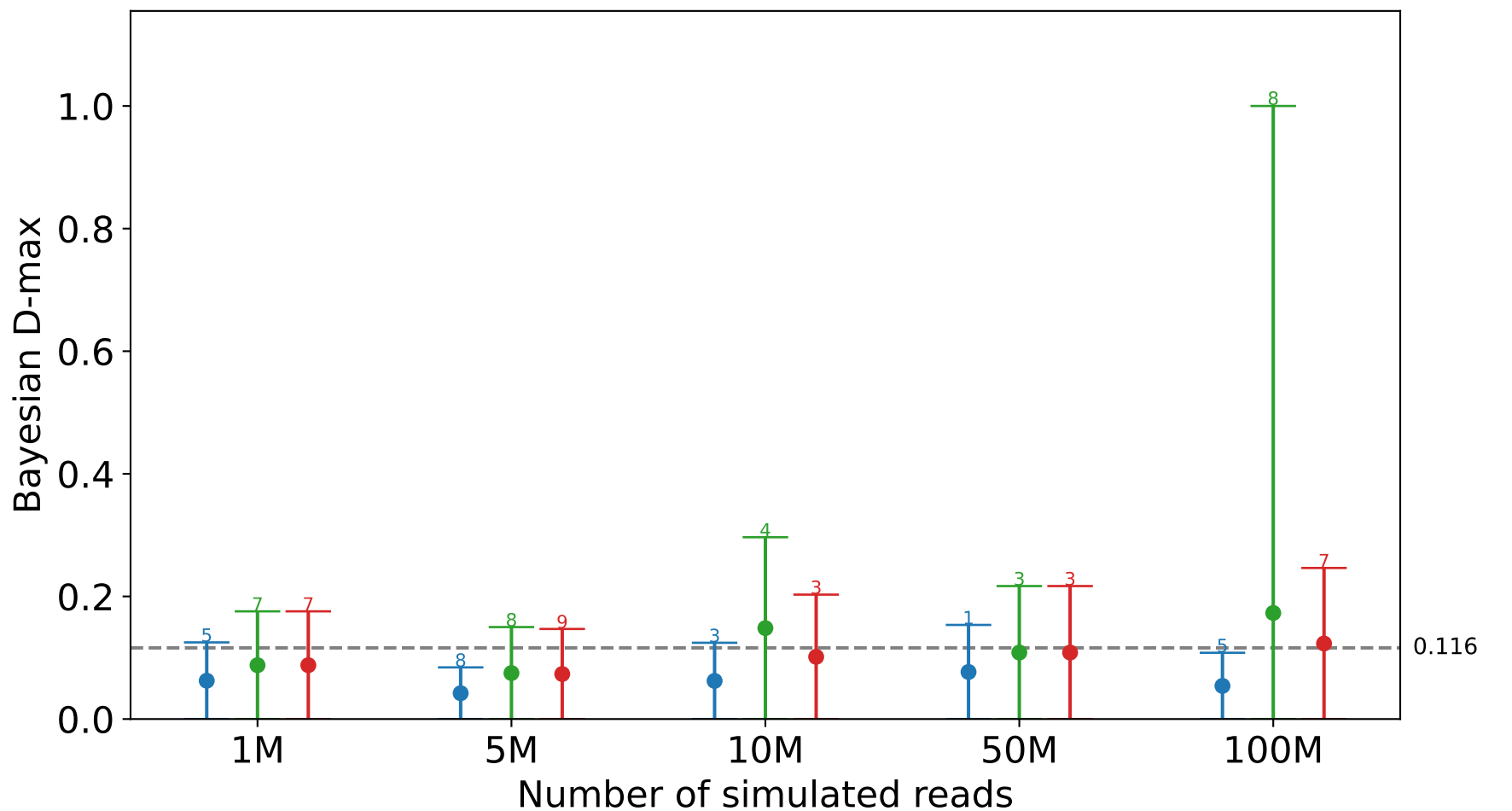
Only ancient: True

# Cave-22, Tax ID: 145901 s\_Eragrostis setifolia



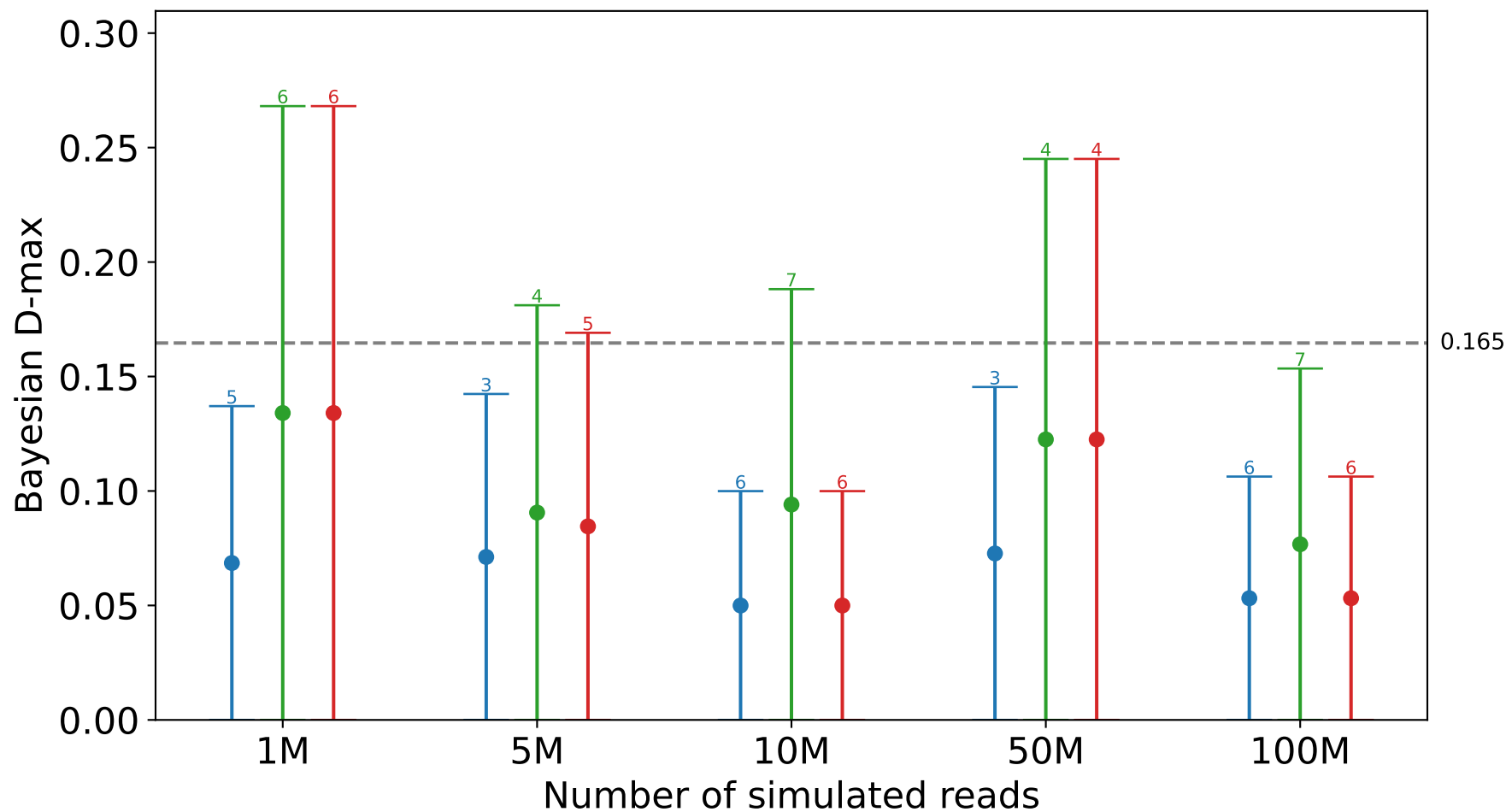
Only ancient: True

Cave-22, Tax ID: 145782  
s\_\_Polypogon fugax



Only ancient: True

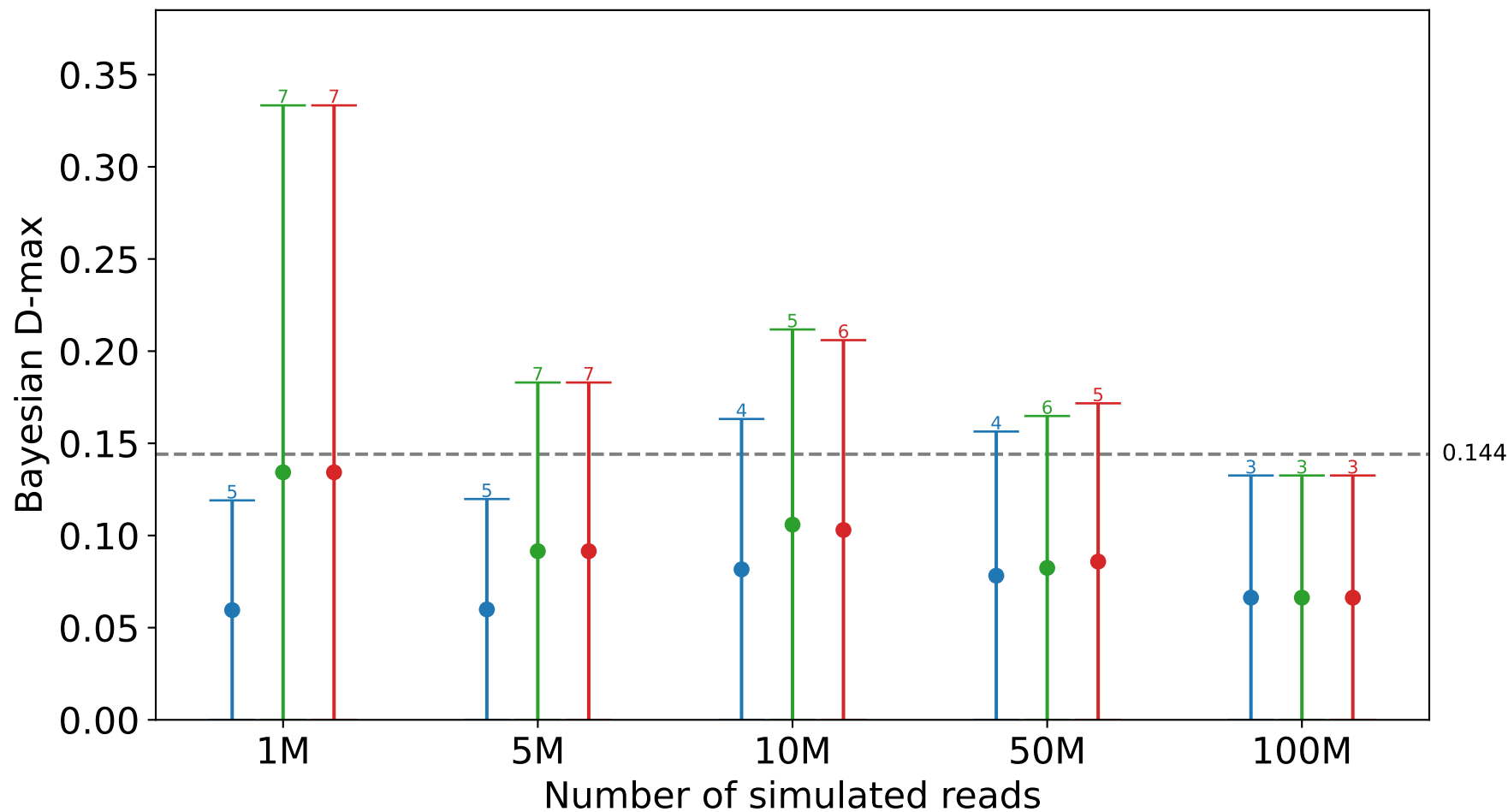
Cave-22, Tax ID: 147037  
s\_Psathyrostachys huashanica





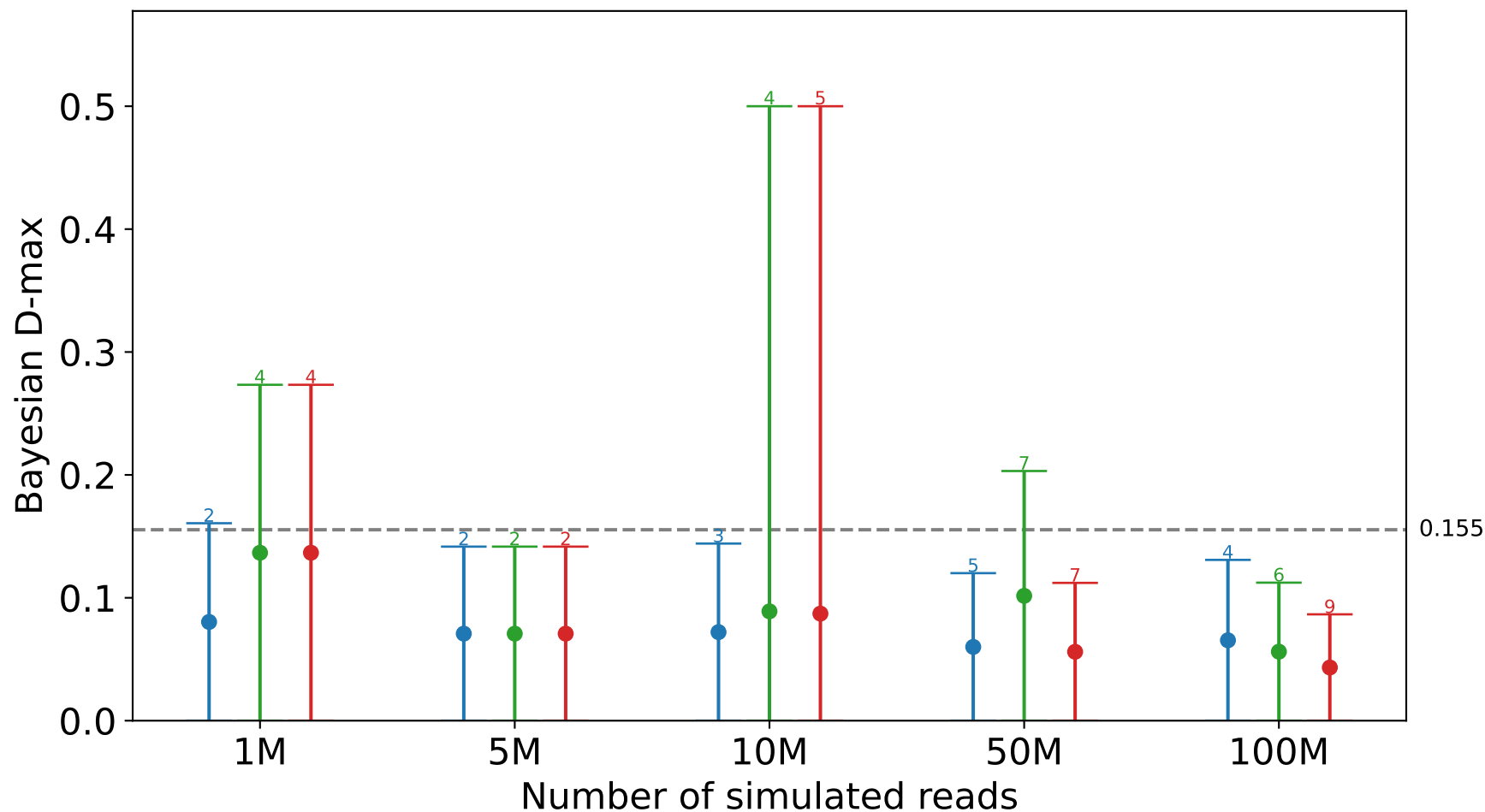
Only ancient: True

Cave-22, Tax ID: 144982  
*s\_Deschampsia cespitosa*



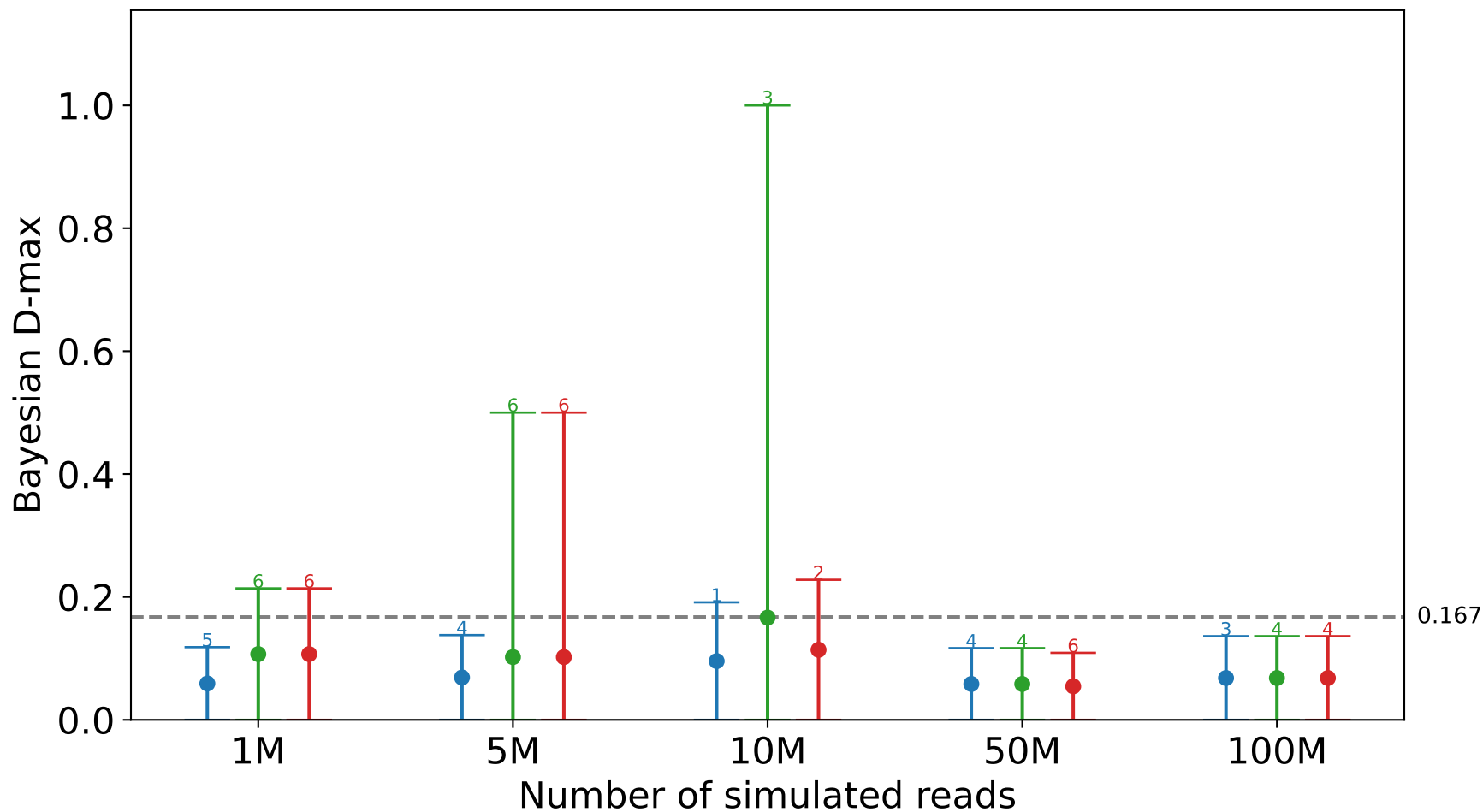
Only ancient: True

# Cave-22, Tax ID: 143250 s\_Kuruna debilis



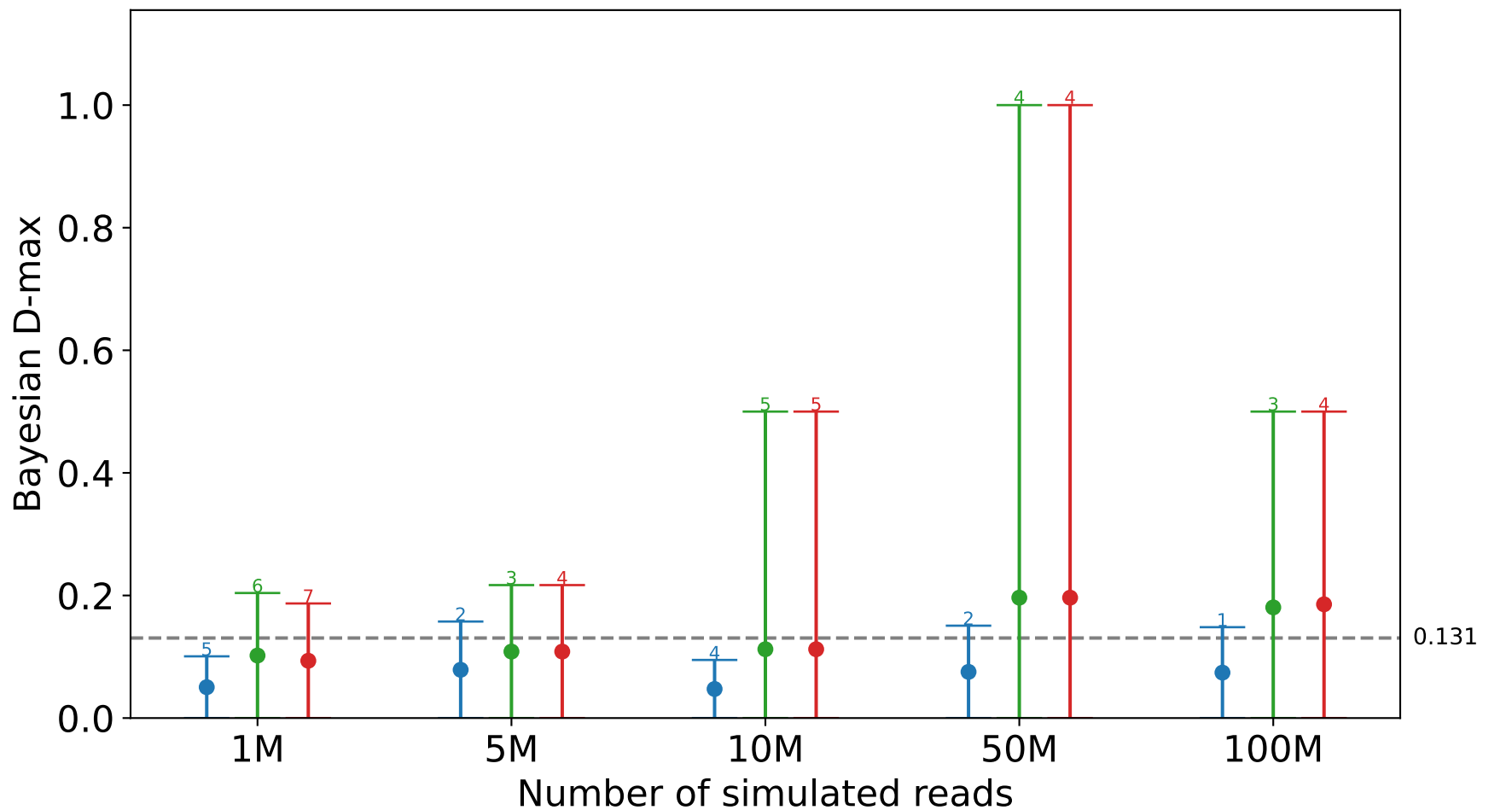
Only ancient: True

Cave-22, Tax ID: 145783  
s\_\_Scolochloa festucacea



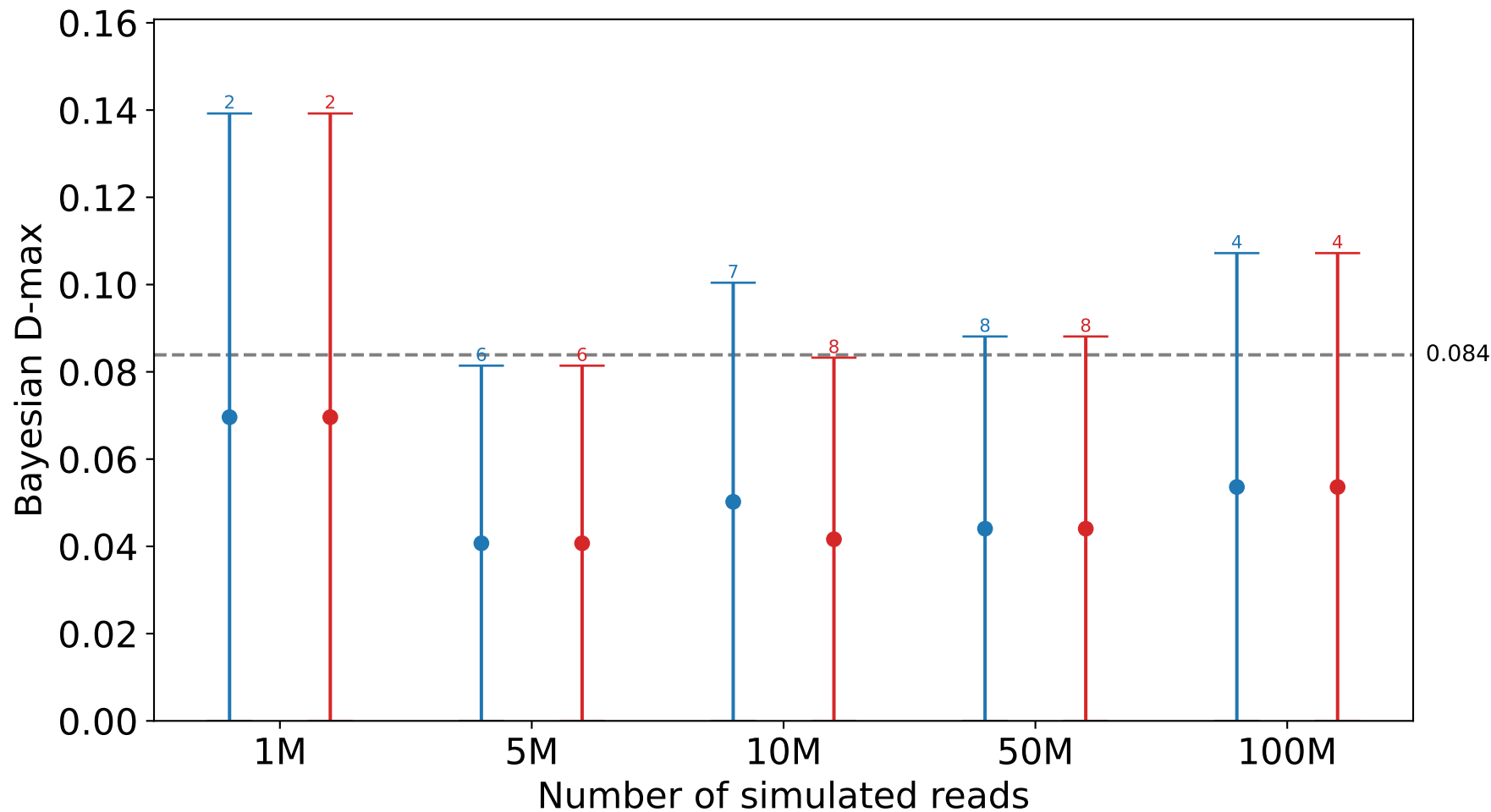
Only ancient: True

Cave-22, Tax ID: 143433  
*s\_Agrostis gigantea*



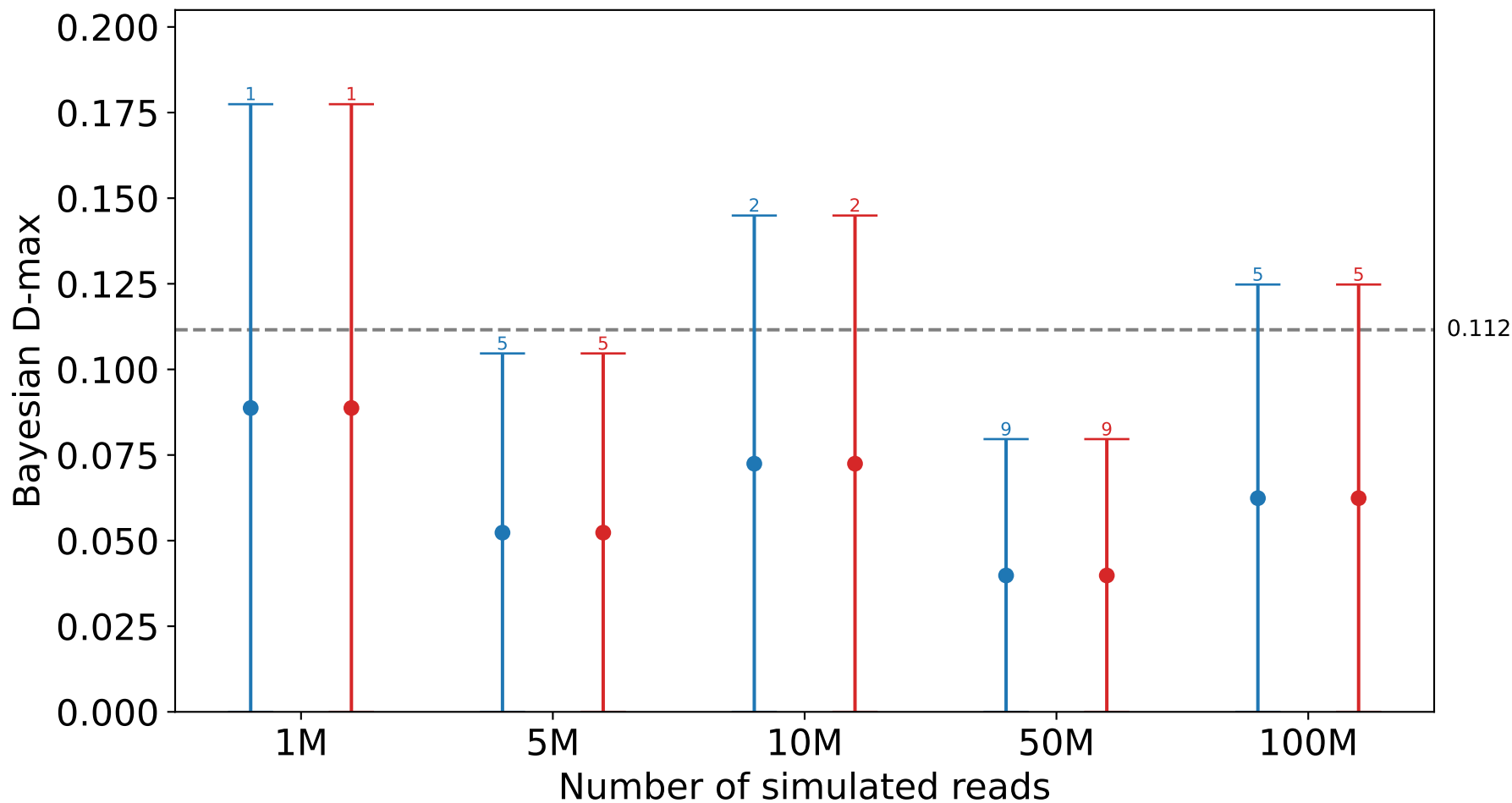
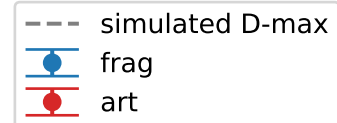
Only ancient: None

Cave-22, Tax ID: 137094  
s\_Helianthus grosseserratus



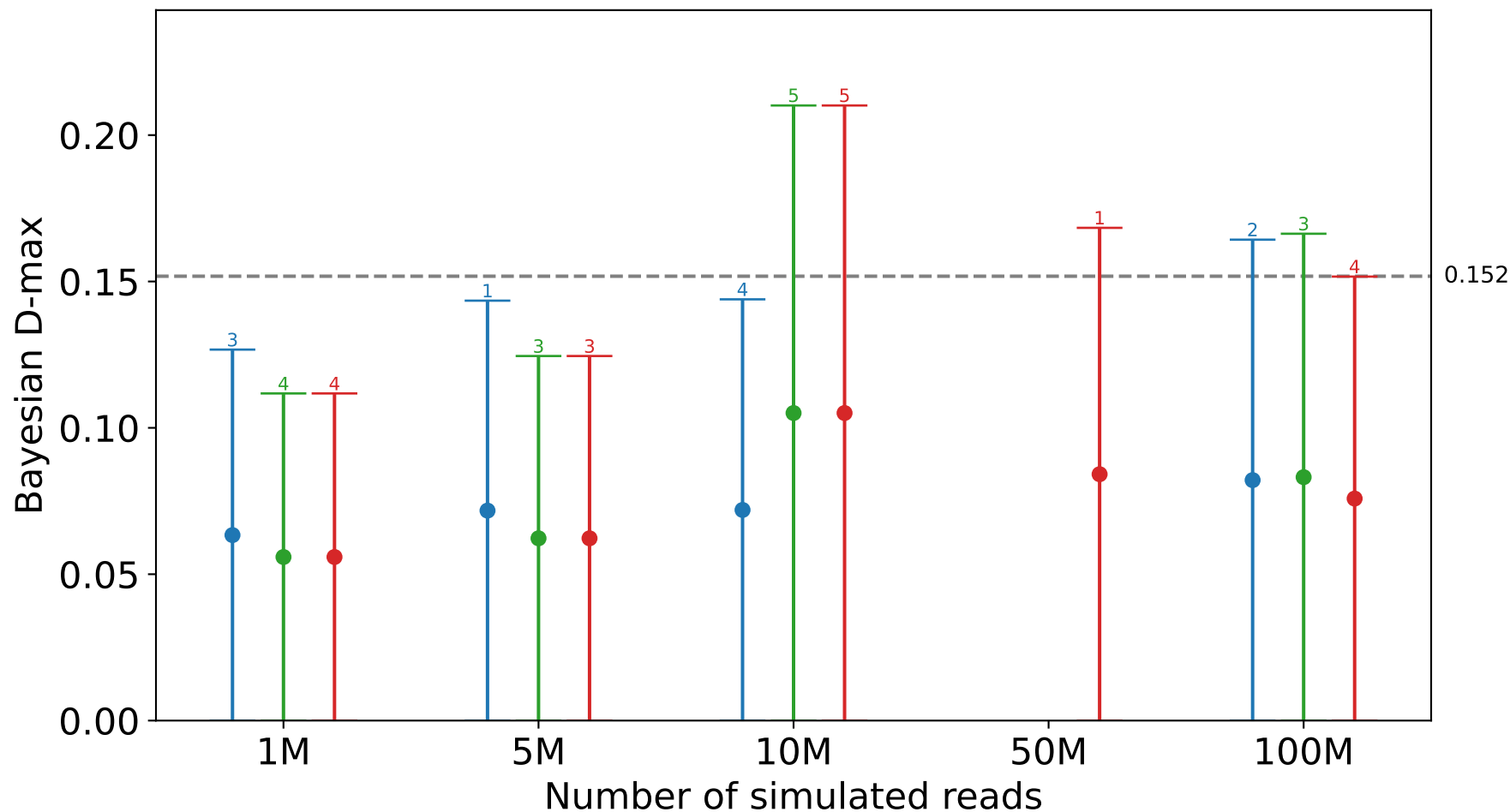
Only ancient: None

# Cave-22, Tax ID: 144398 s\_\_Pinus pinceana



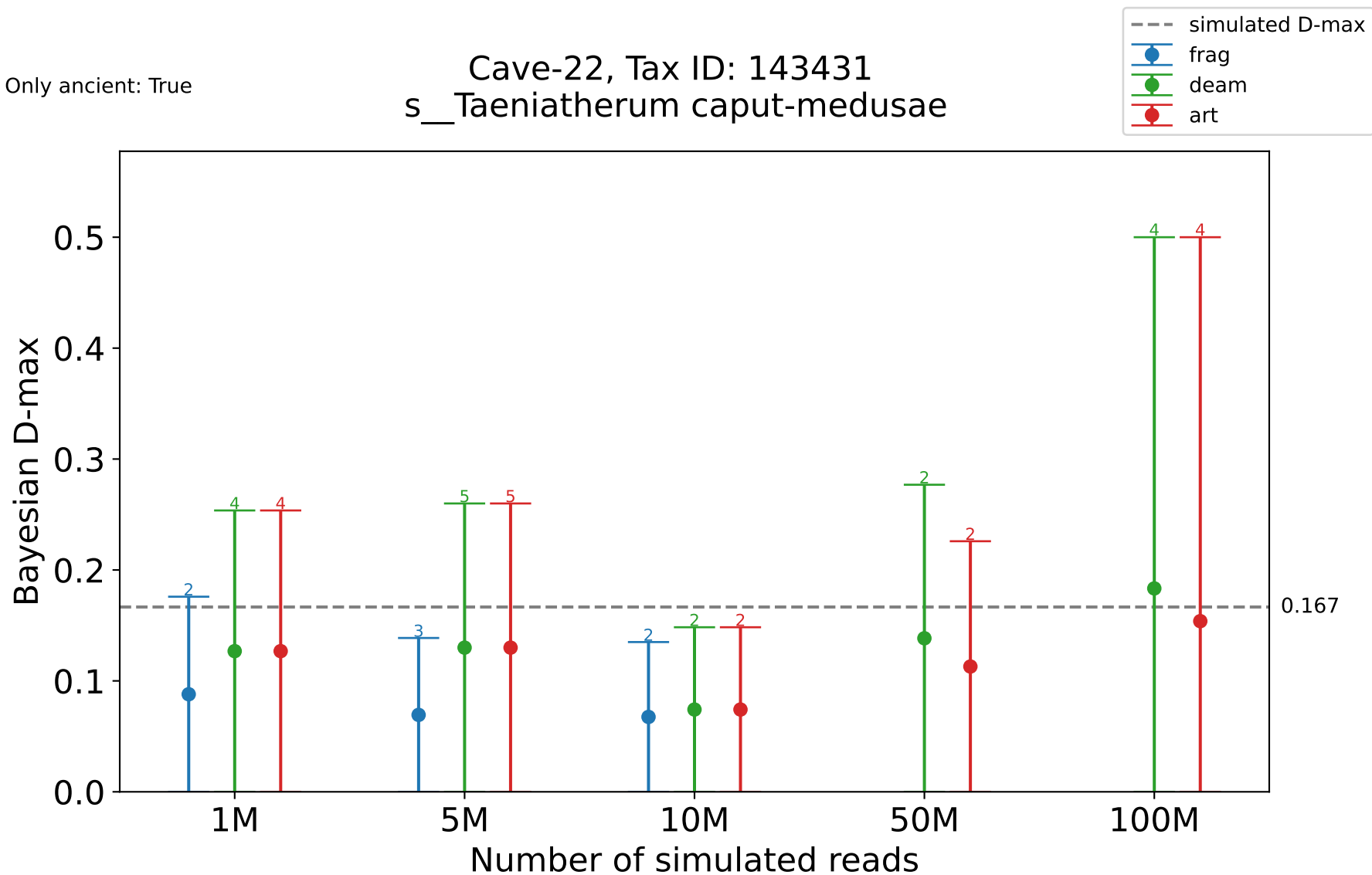
Only ancient: True

# Cave-22, Tax ID: 150239 s\_Puccinellia distans



Only ancient: True

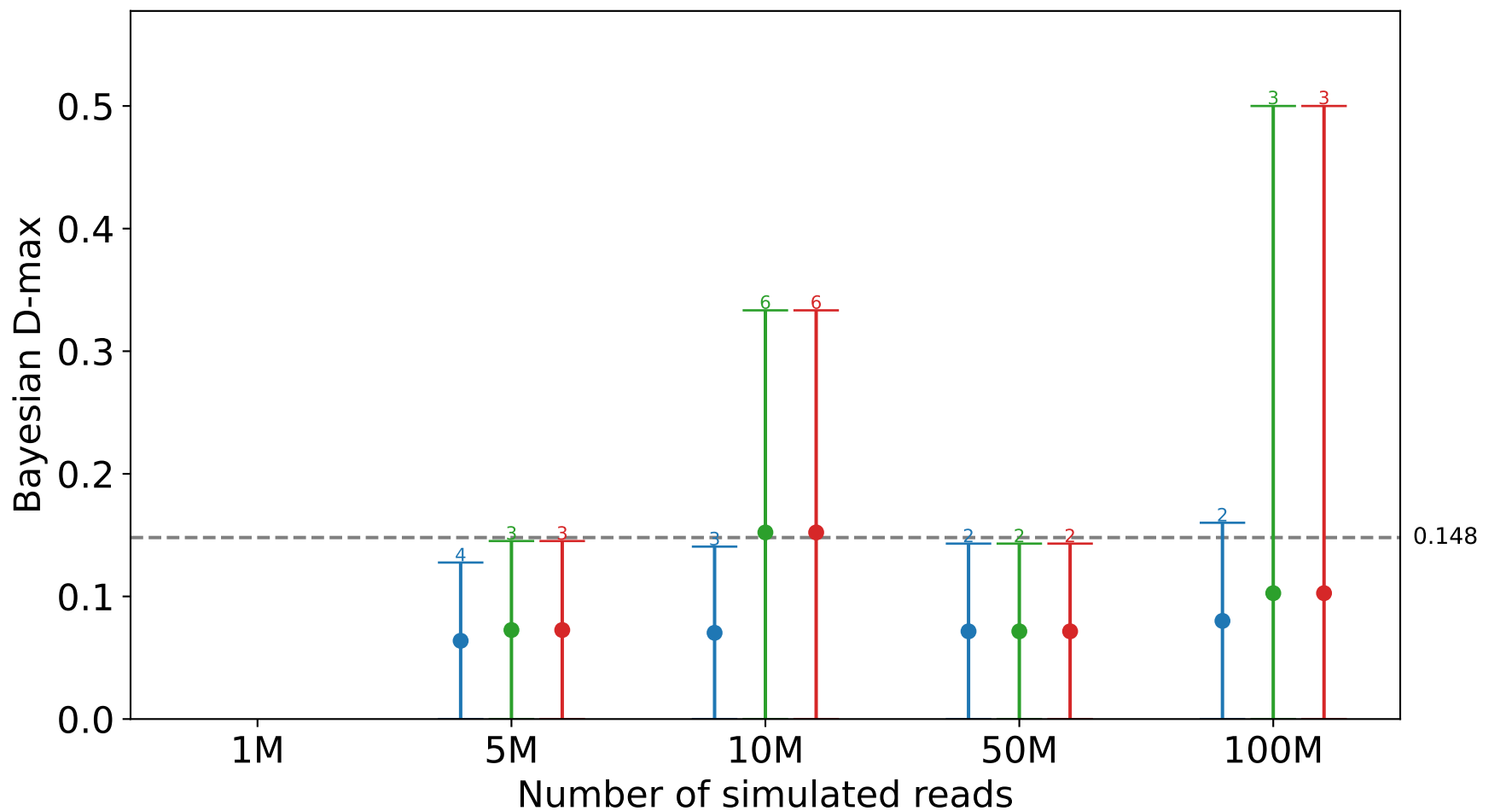
Cave-22, Tax ID: 143431  
s\_\_Taeniatherum caput-medusae





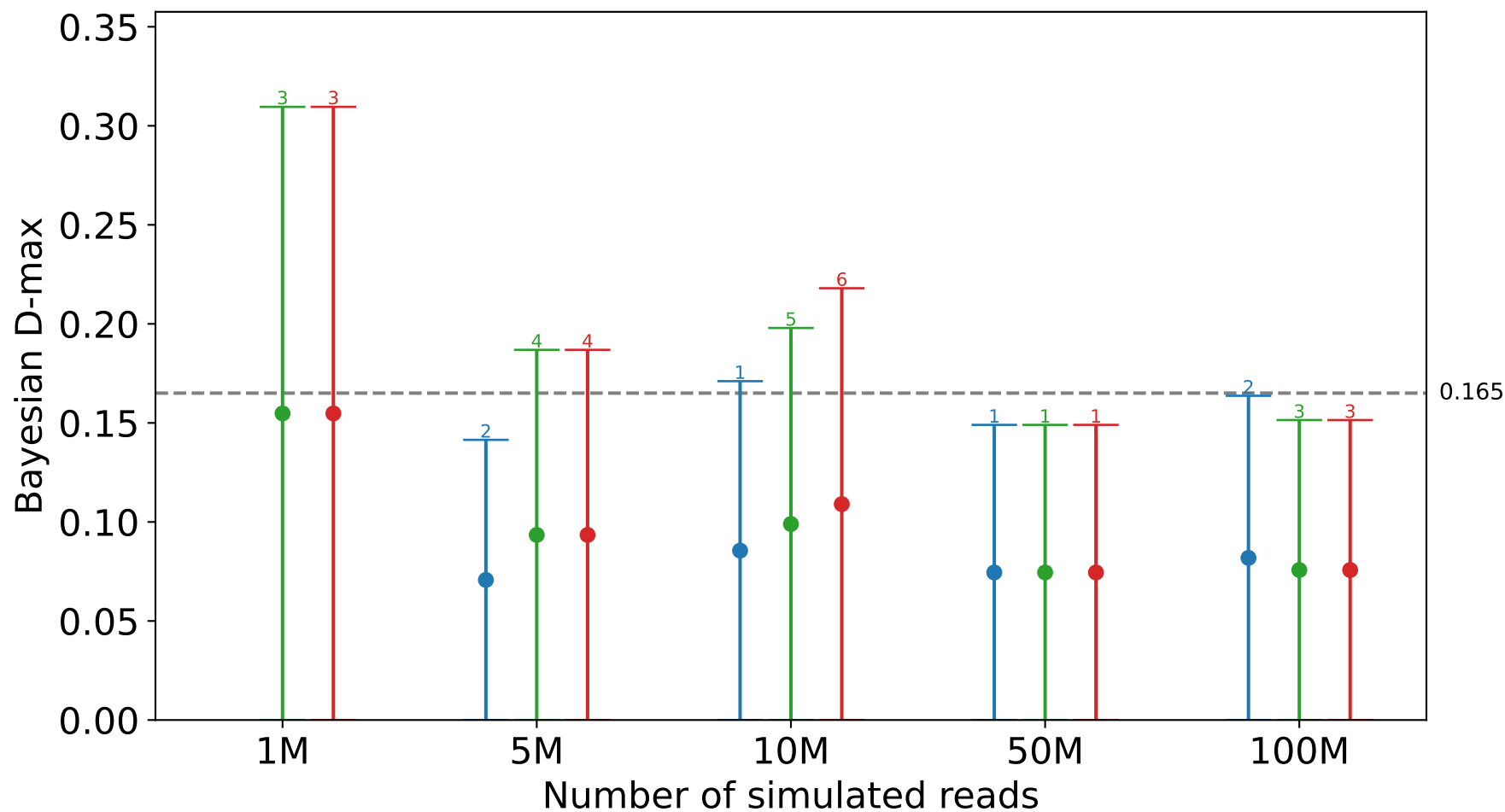
Only ancient: True

# Cave-22, Tax ID: 148709 s\_\_Bonia saxatilis



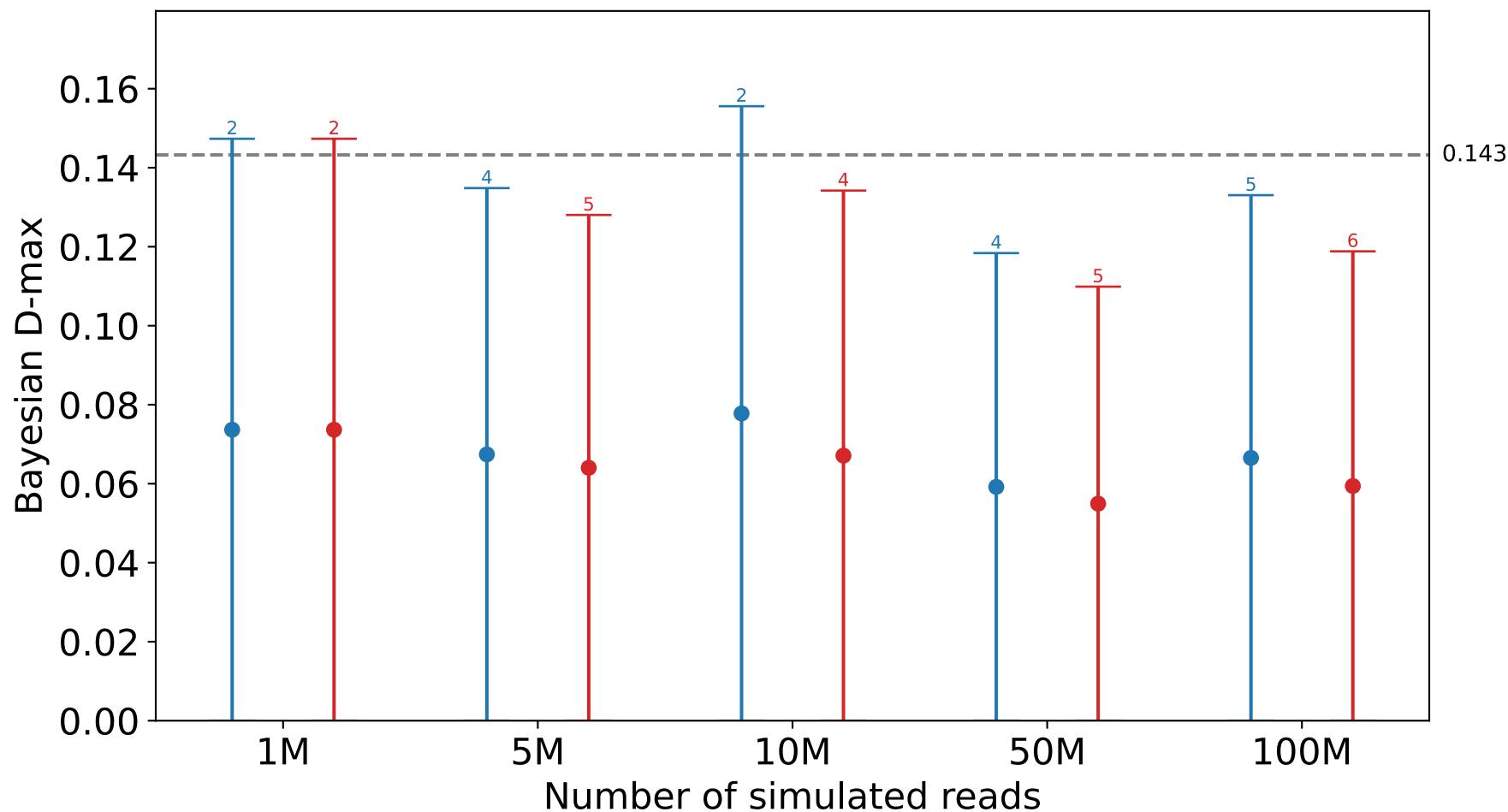
Only ancient: True

Cave-22, Tax ID: 143149  
s\_\_Gastridium ventricosum



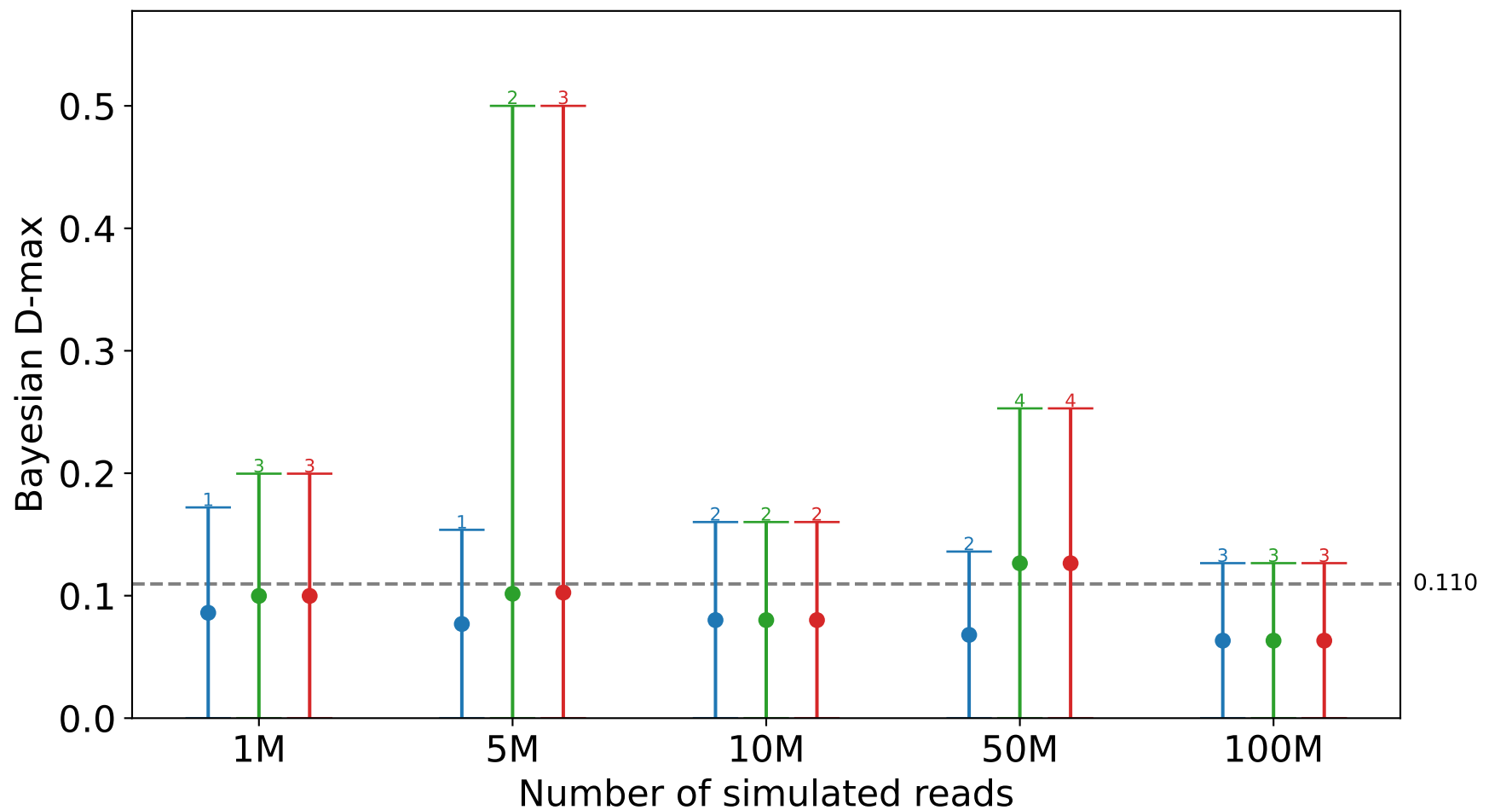
Only ancient: None

# Cave-22, Tax ID: 140419 s\_Paspalum glaziovii



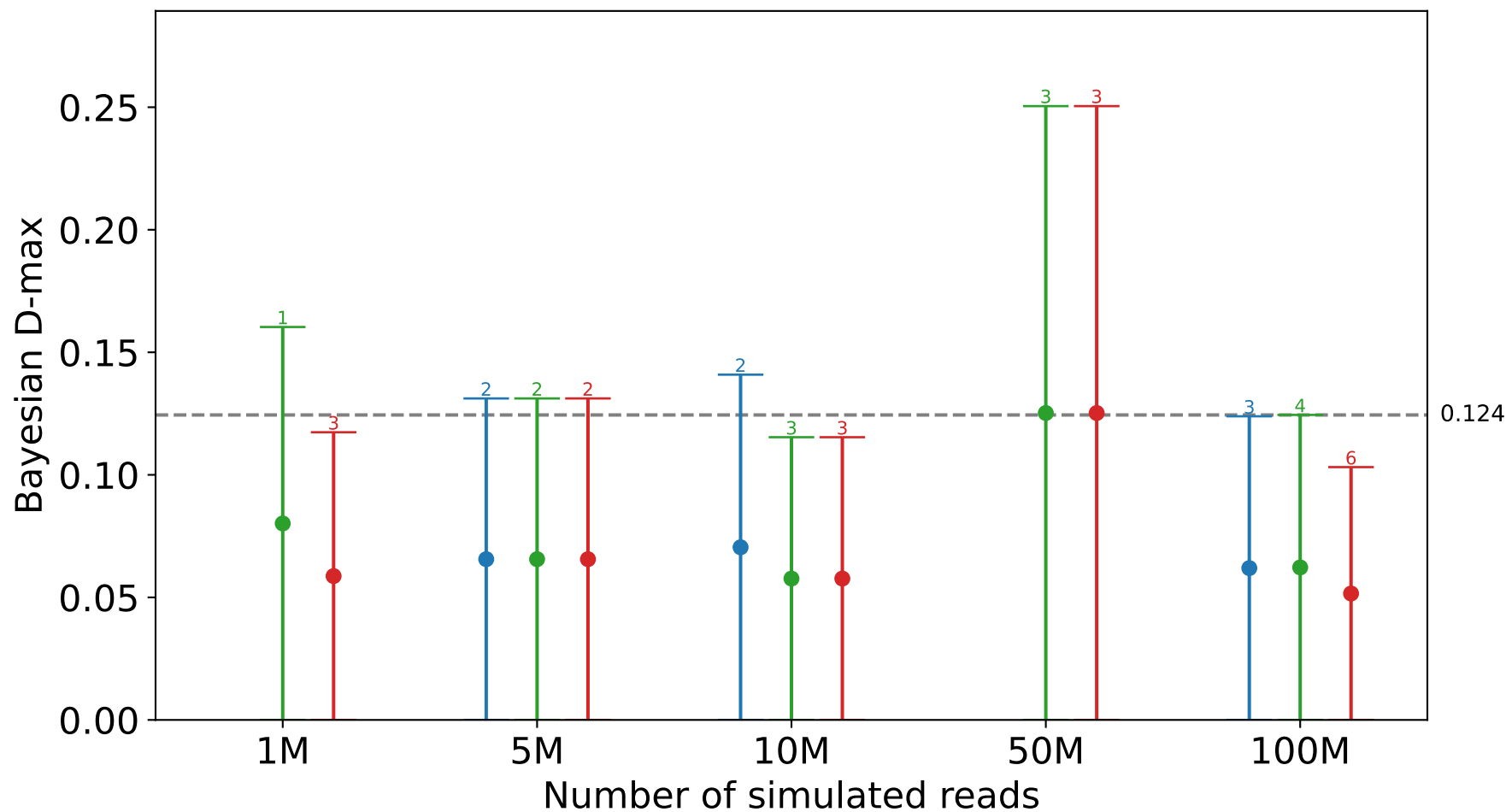
Only ancient: True

# Cave-22, Tax ID: 138758 s\_\_Pariana radiciflora



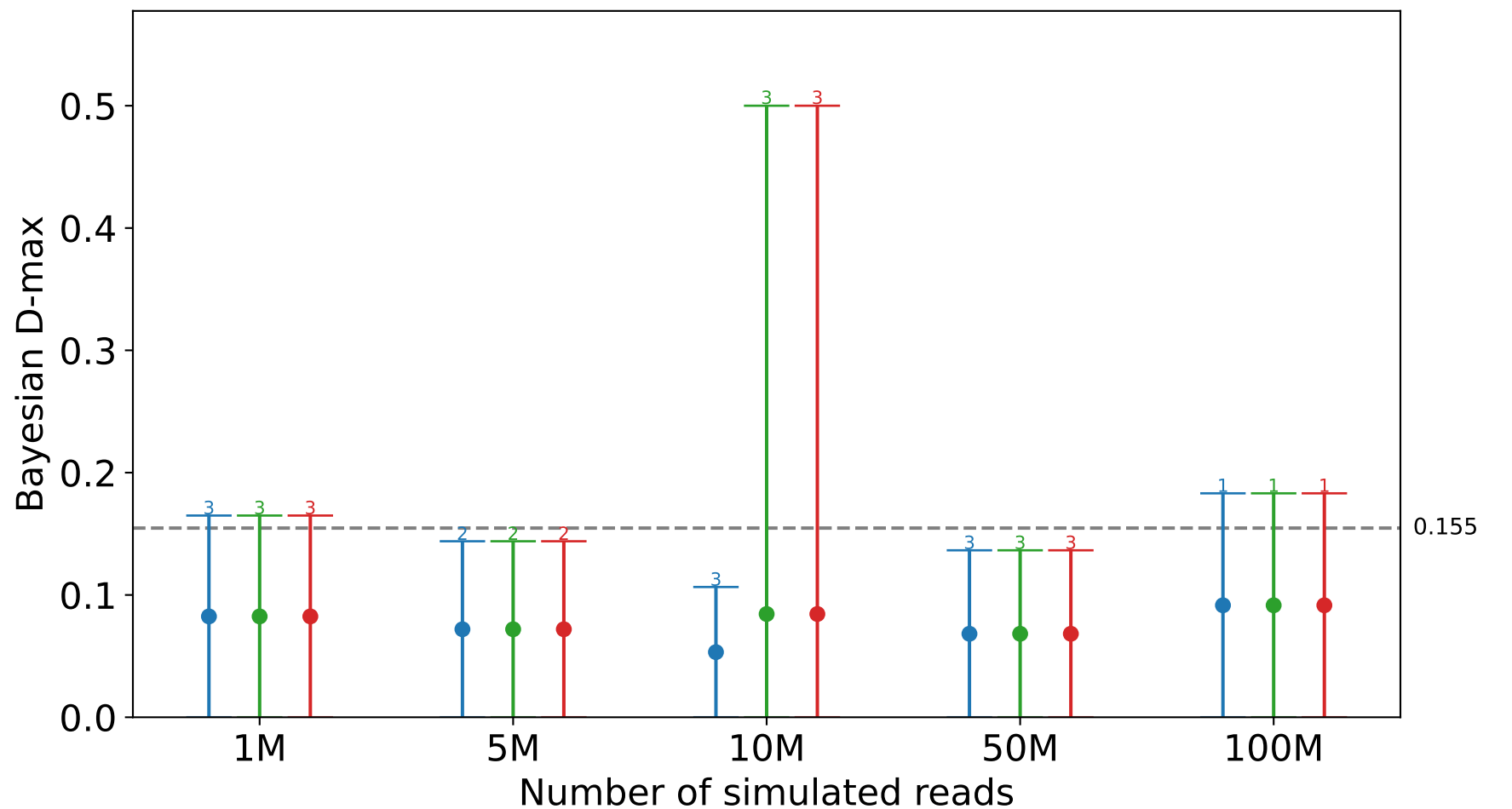
Only ancient: True

# Cave-22, Tax ID: 139653 s\_\_Otatea glauca



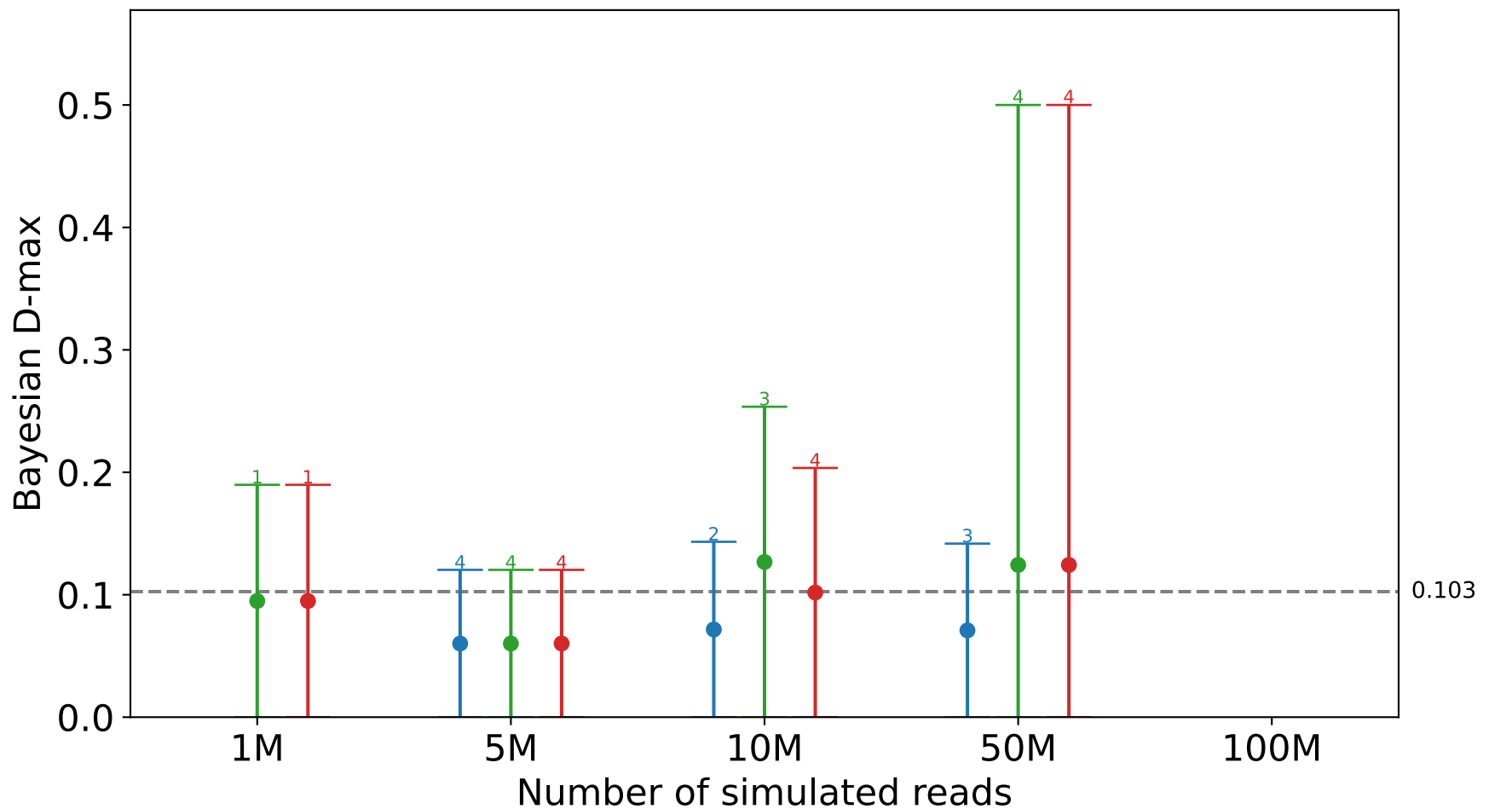
Only ancient: True

# Cave-22, Tax ID: 151739 s\_Elymus repens



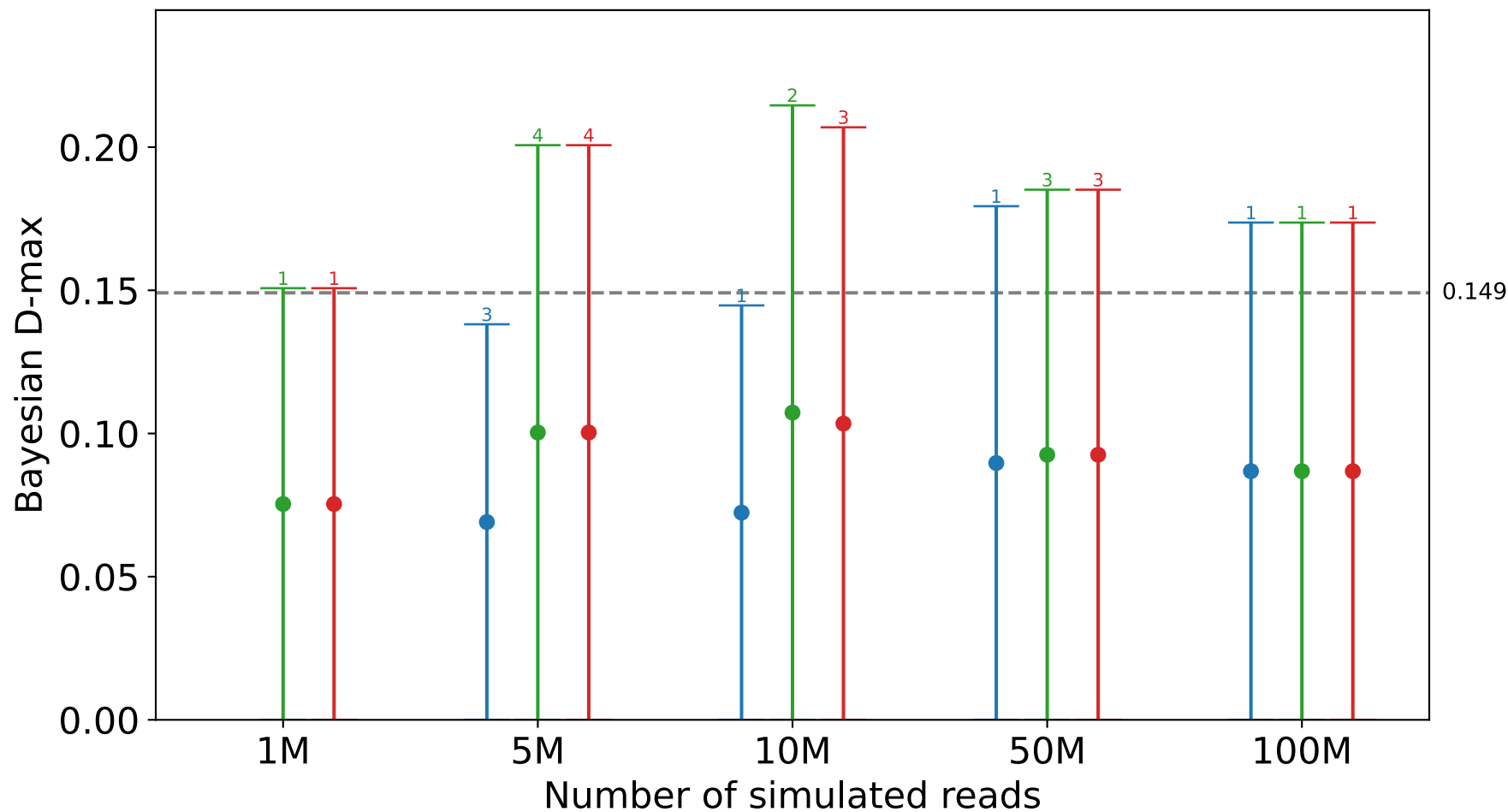
Only ancient: True

Cave-22, Tax ID: 142682  
s\_\_Echinacanthus lofouensis



Only ancient: True

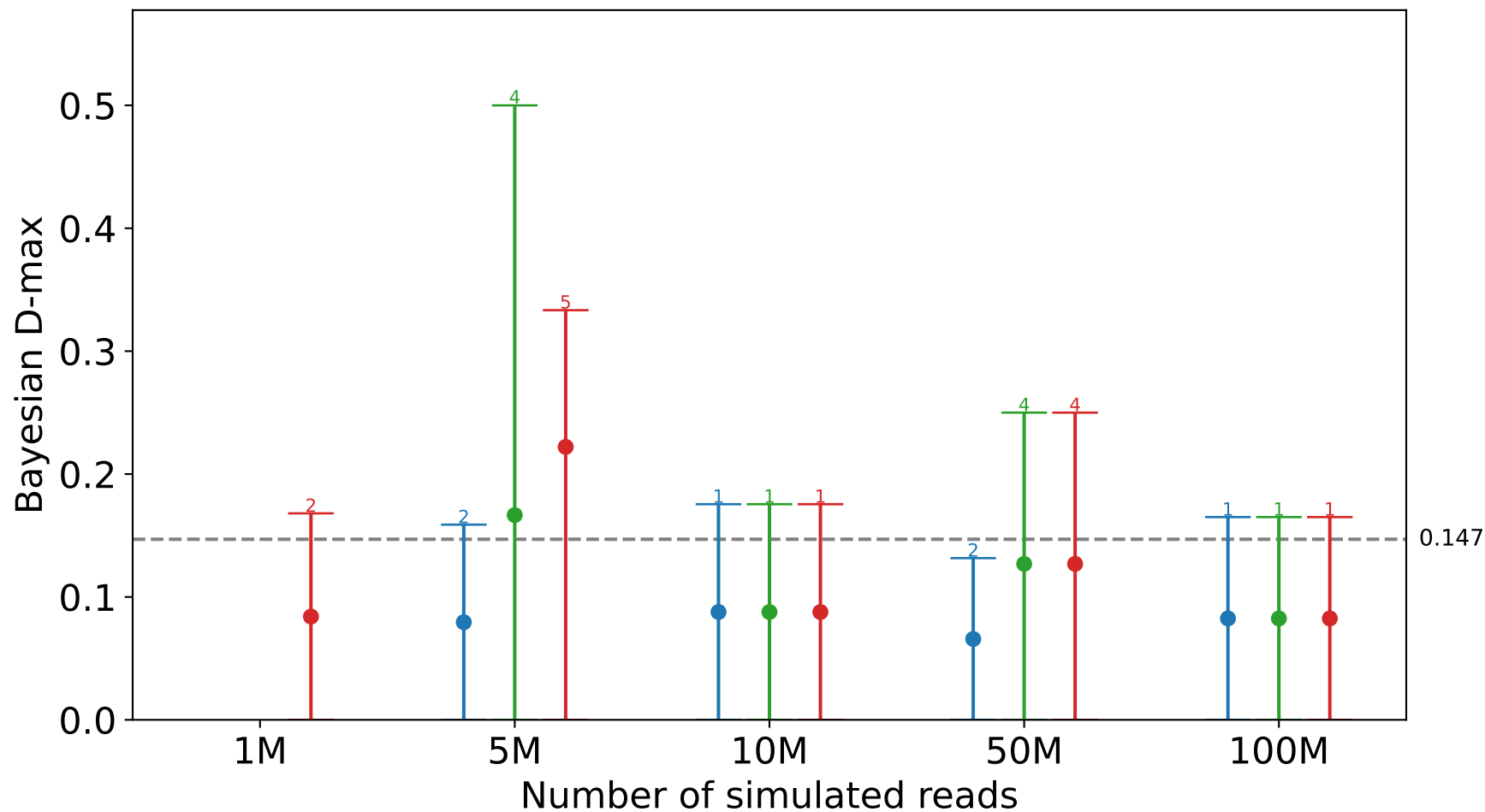
# Cave-22, Tax ID: 145637 s\_\_Catapodium marinum





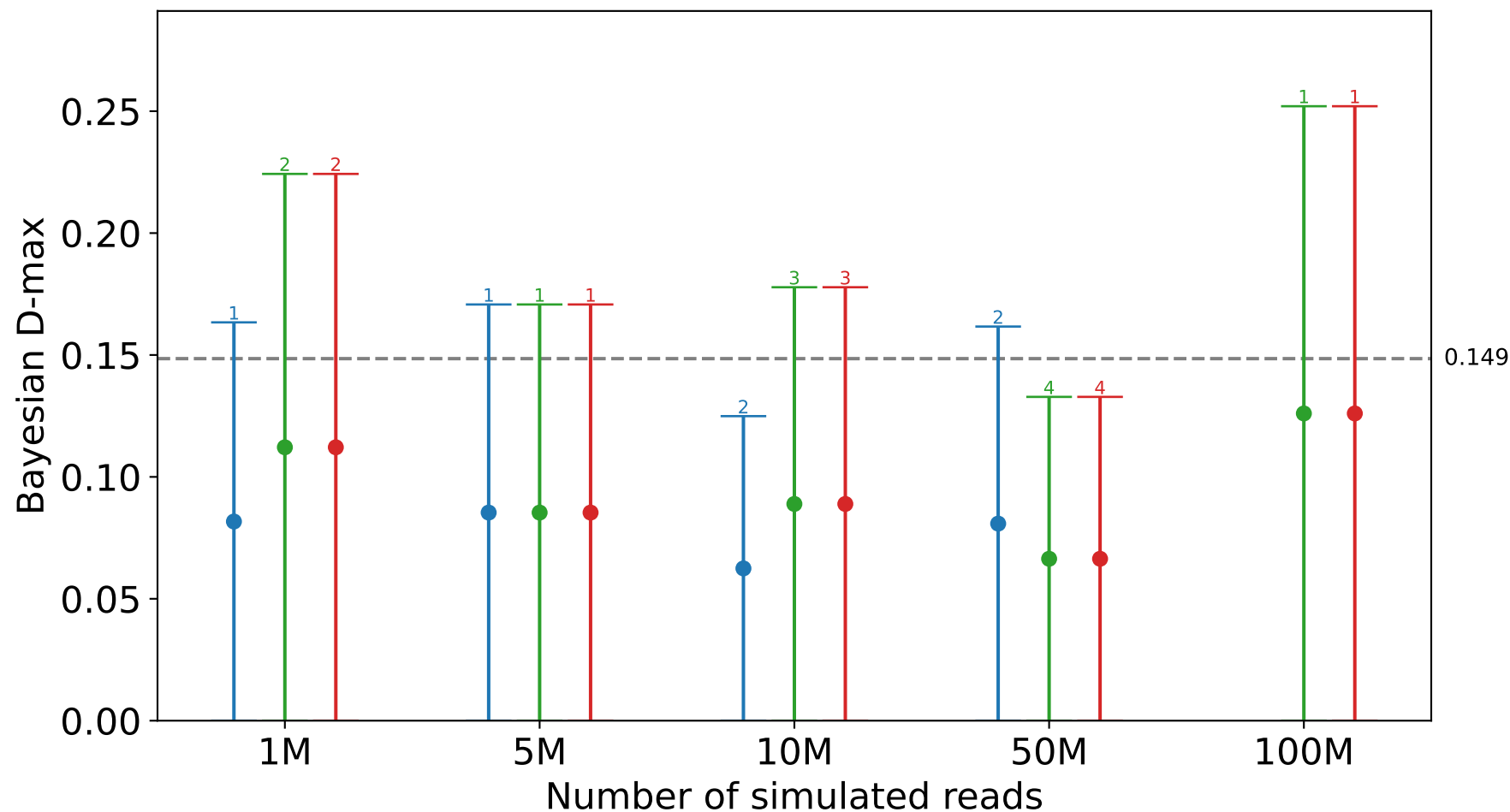
Only ancient: True

# Cave-22, Tax ID: 145784 s\_Triplachne nitens



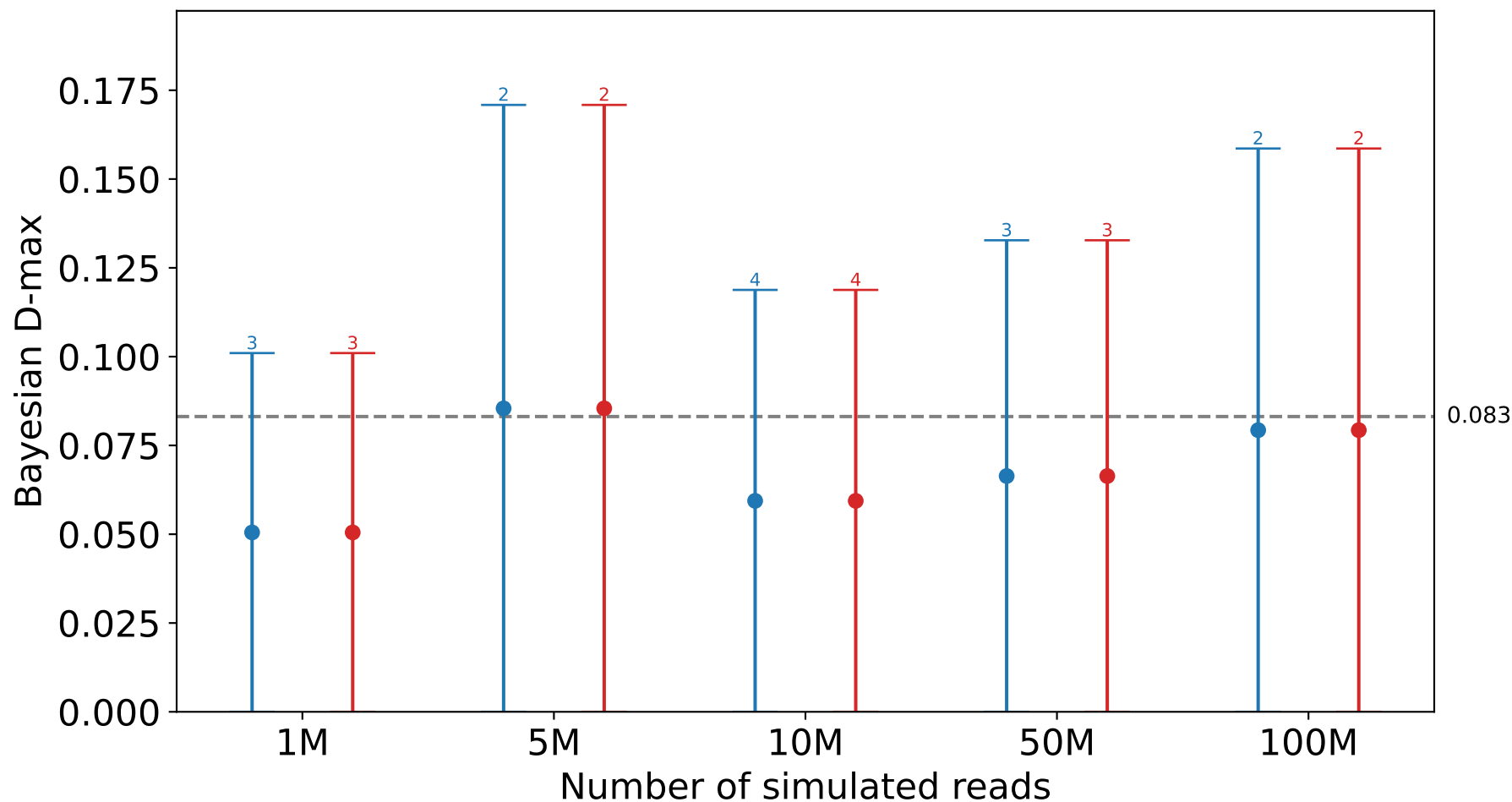
Only ancient: True

Cave-22, Tax ID: 136656  
s\_\_Triticum monococcum



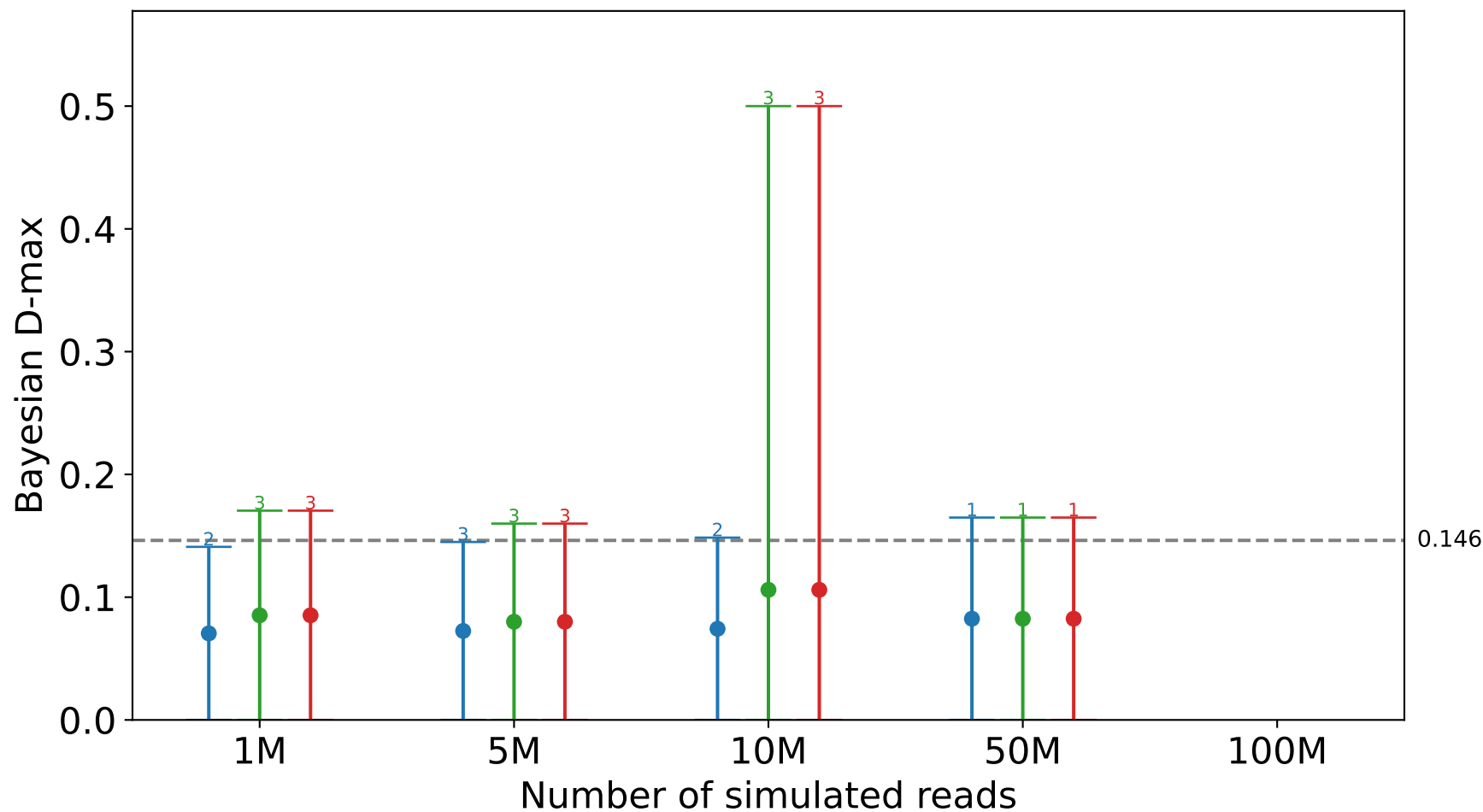
Only ancient: None

# Cave-22, Tax ID: 146071 s\_Passiflora misera



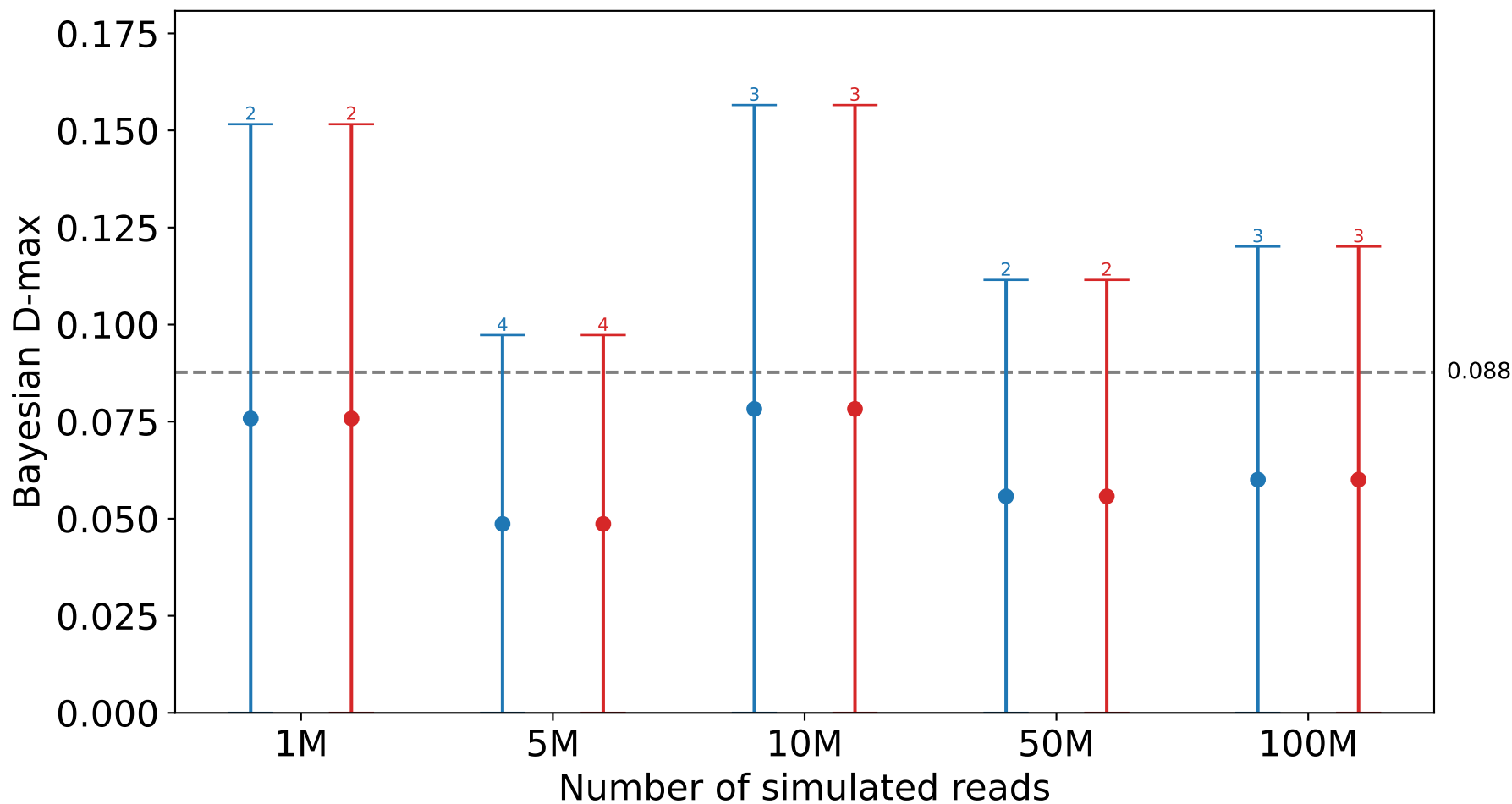
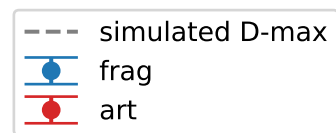
Only ancient: True

Cave-22, Tax ID: 143436  
s\_Connorocholea tenuis



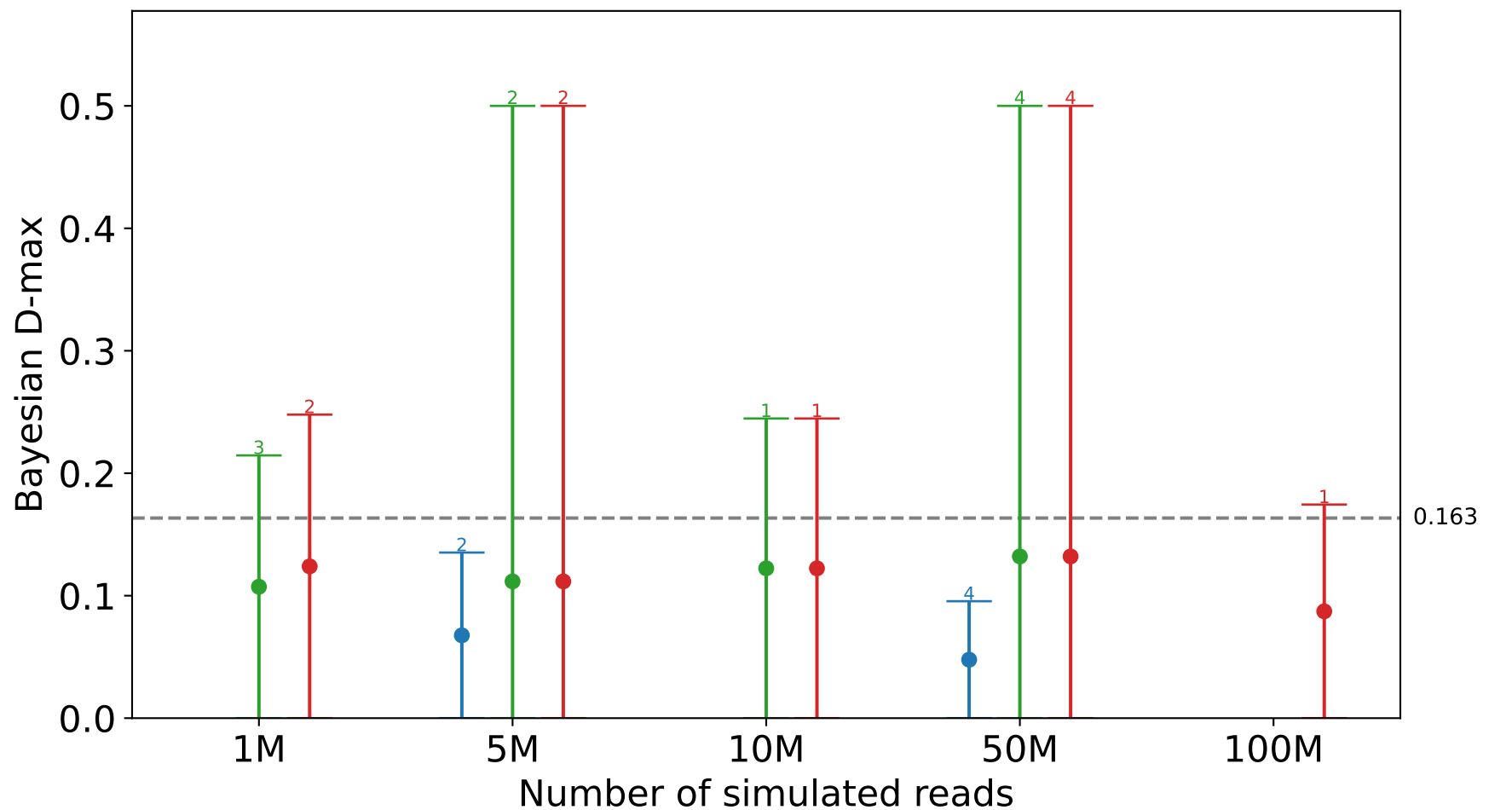
Only ancient: None

Cave-22, Tax ID: 142573  
s\_\_*Solanum pennellii*



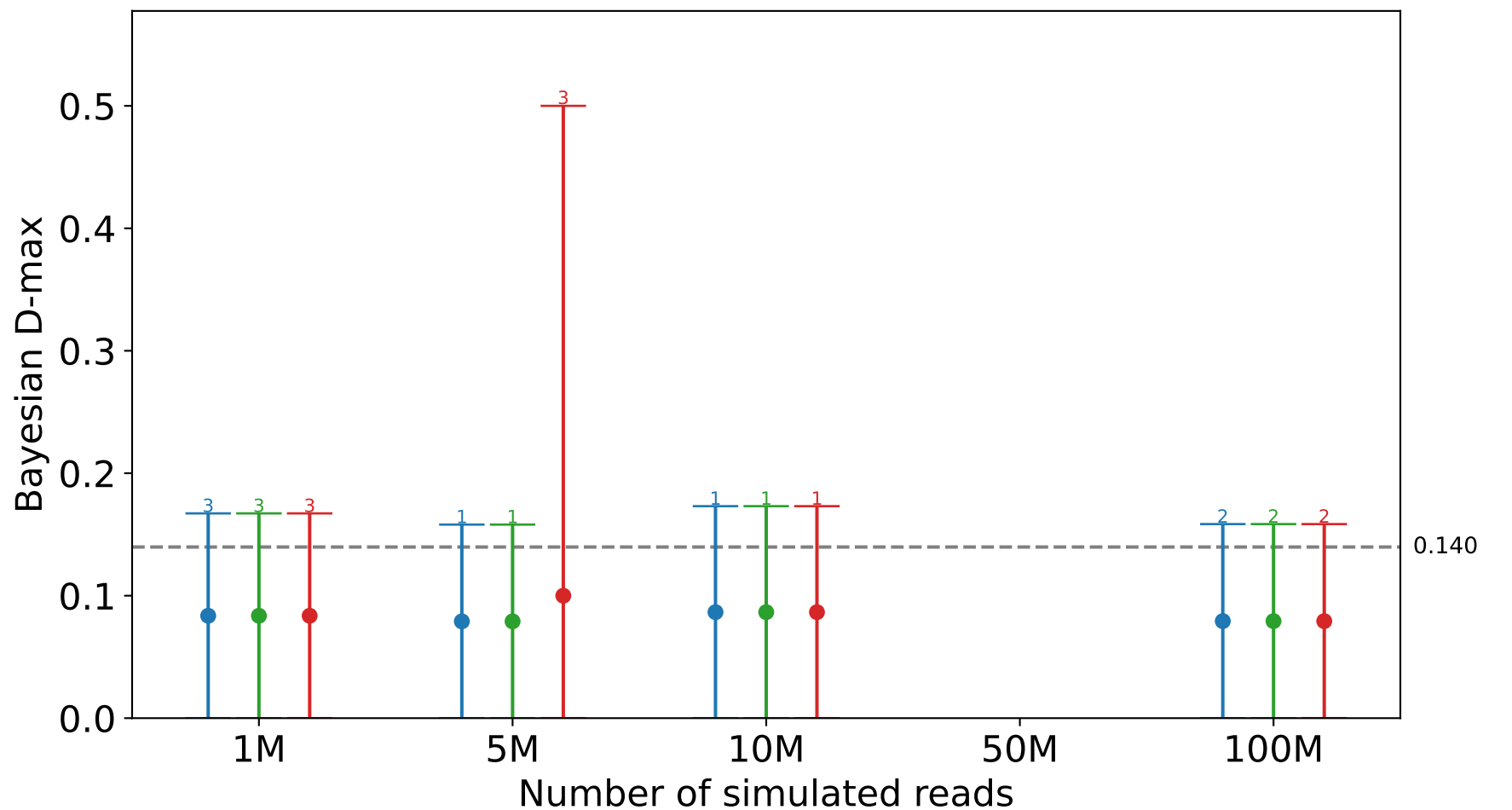
Only ancient: True

# Cave-22, Tax ID: 143311 s\_Poa nemoralis



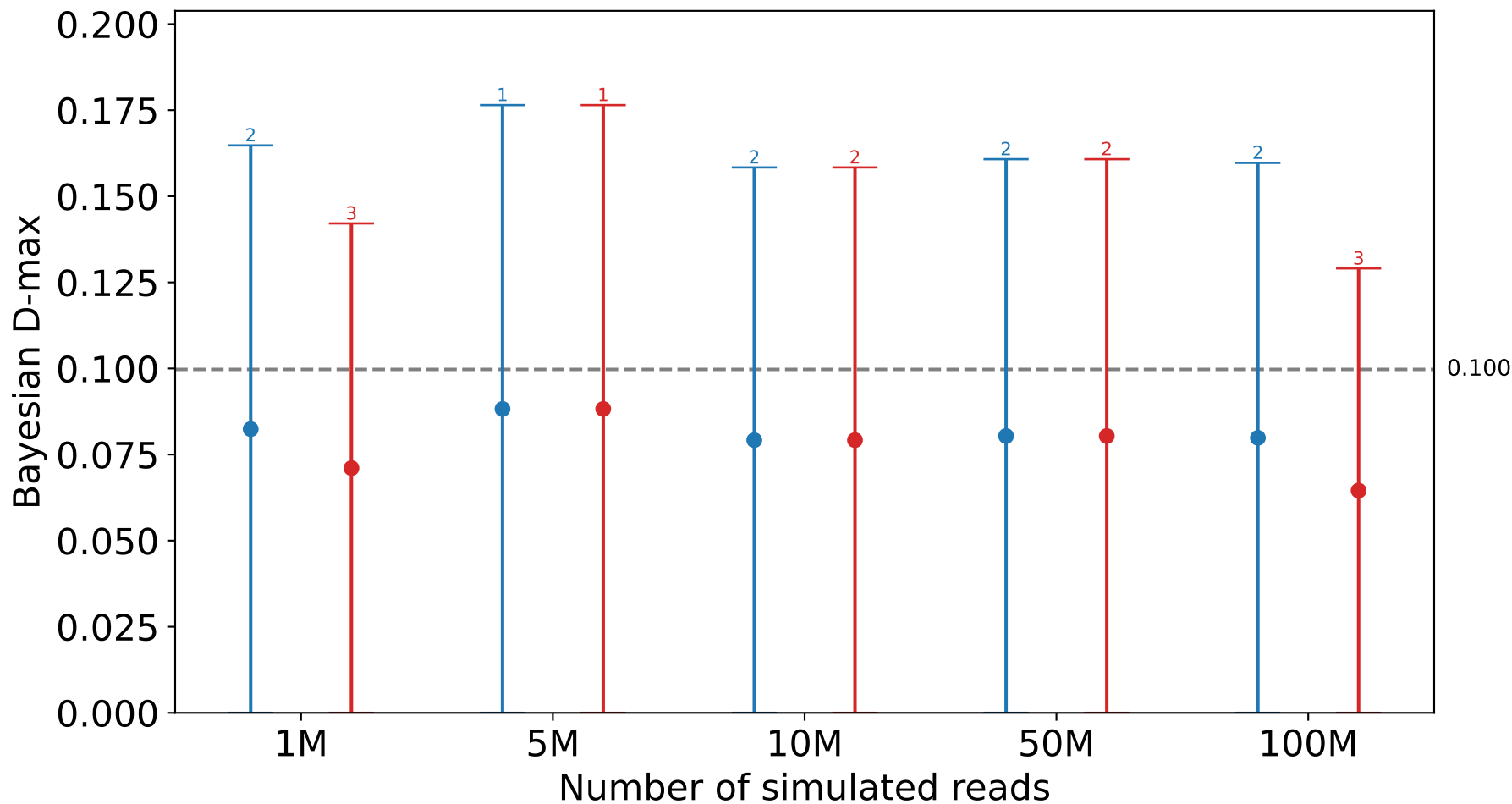
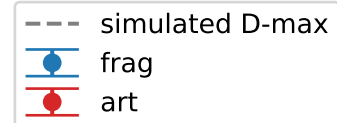
Only ancient: True

# Cave-22, Tax ID: 136039 s\_Lolium multiflorum



Only ancient: None

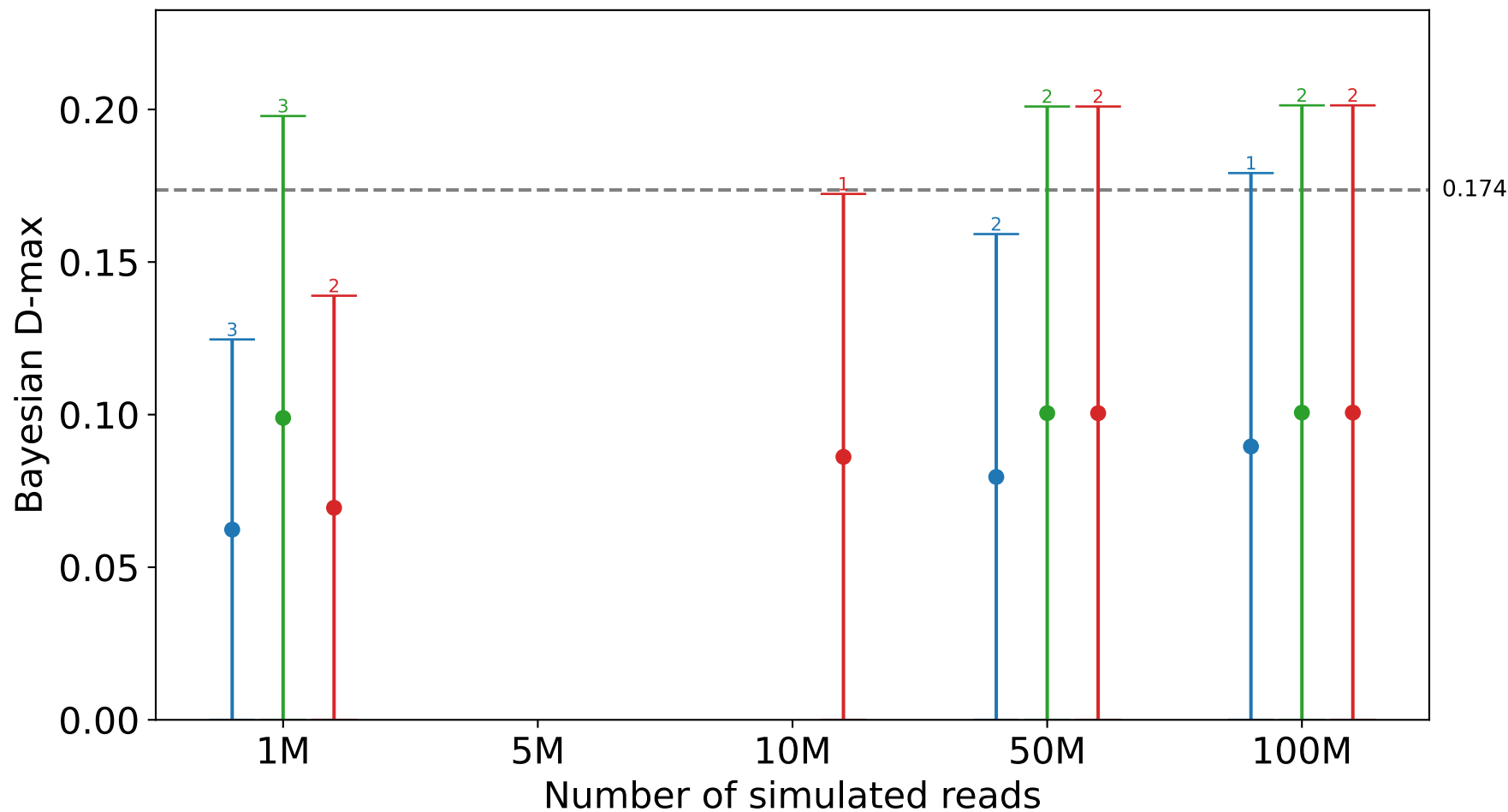
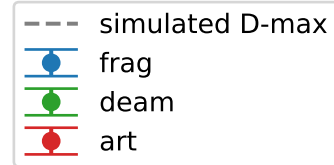
# Cave-22, Tax ID: 144392 s\_\_Abies concolor





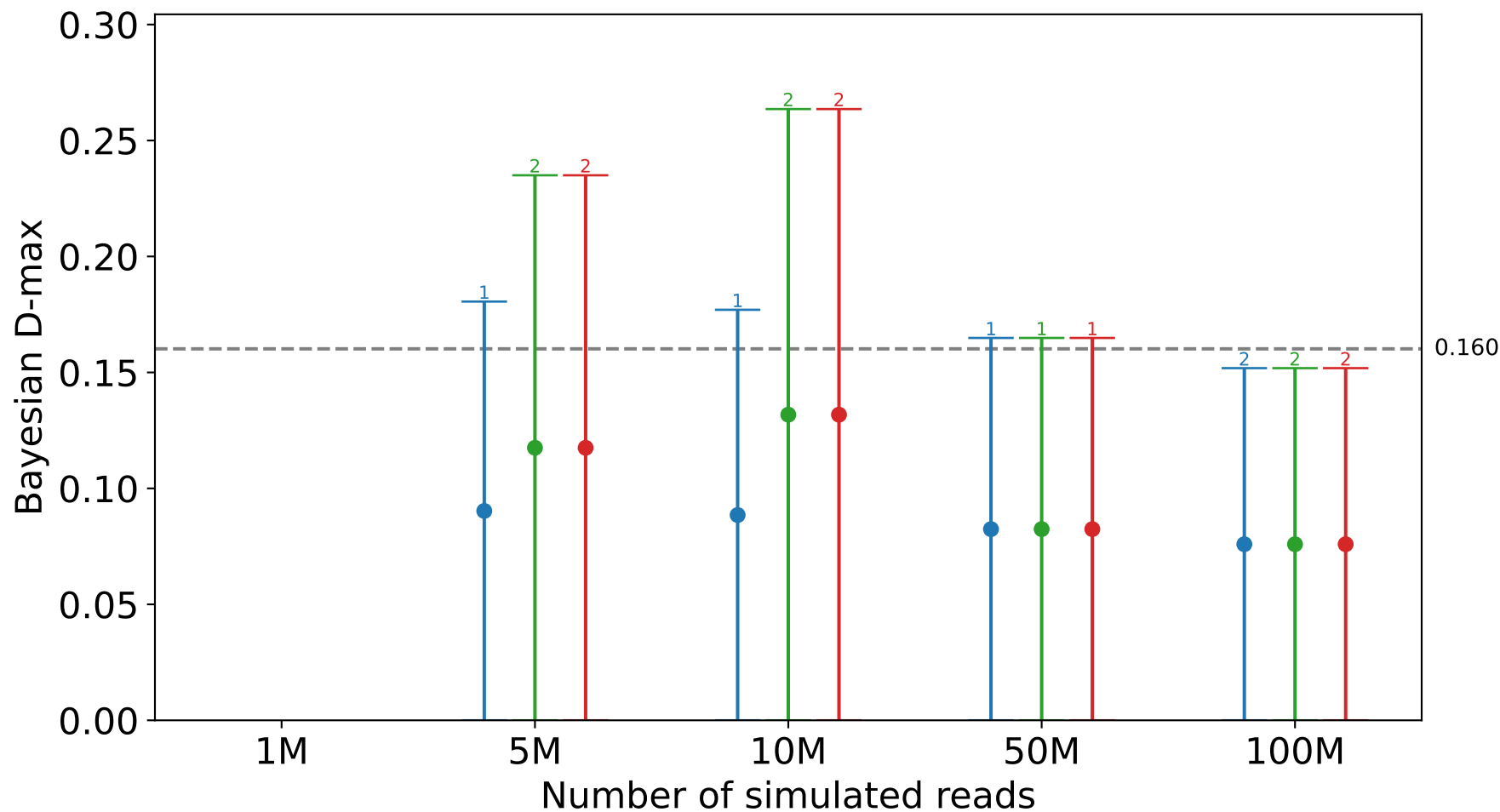
Only ancient: True

Cave-22, Tax ID: 136708  
s\_\_Aegilops tauschii



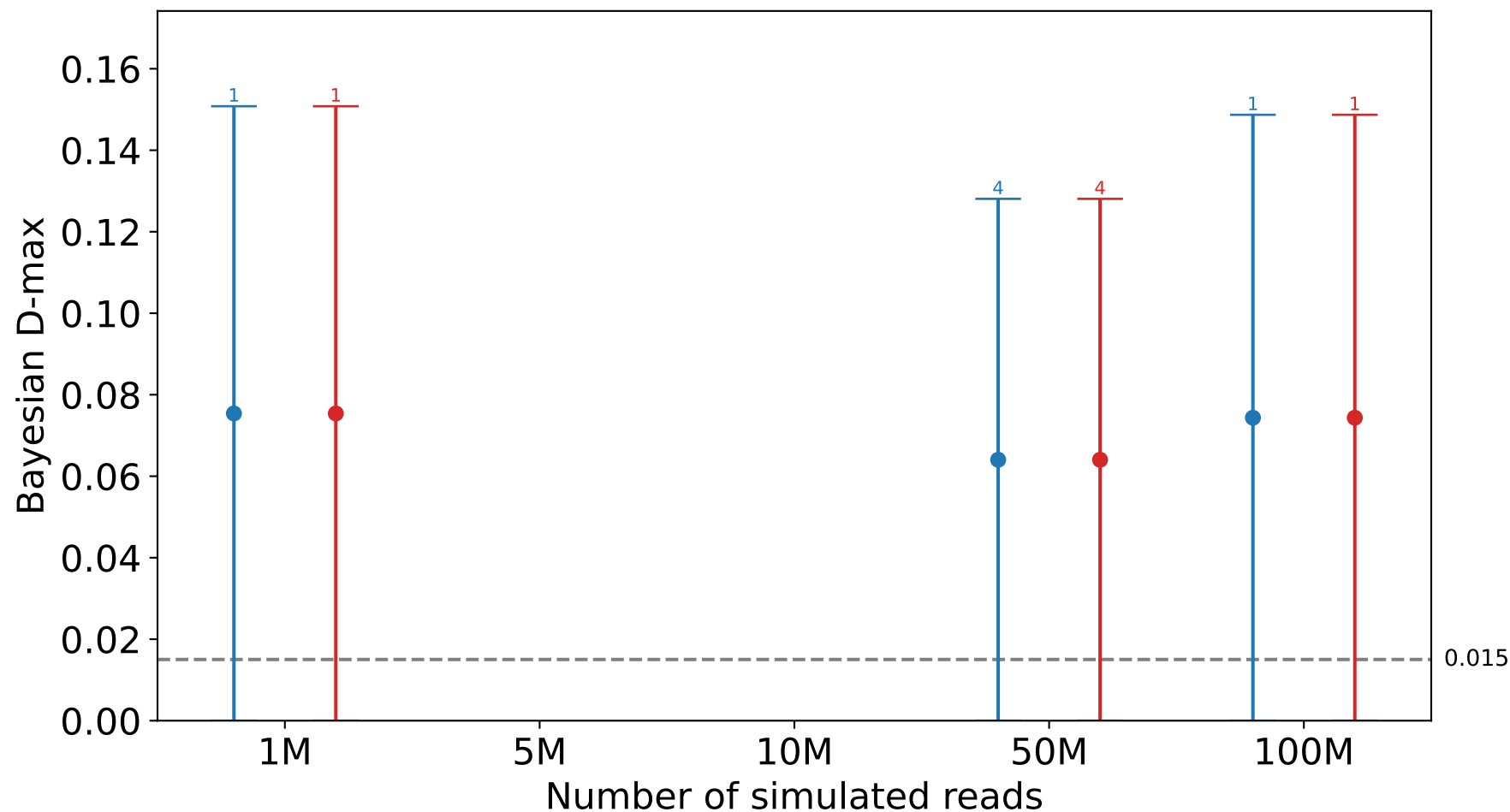
Only ancient: True

Cave-22, Tax ID: 138998  
s\_\_Calamagrostis breviligulata



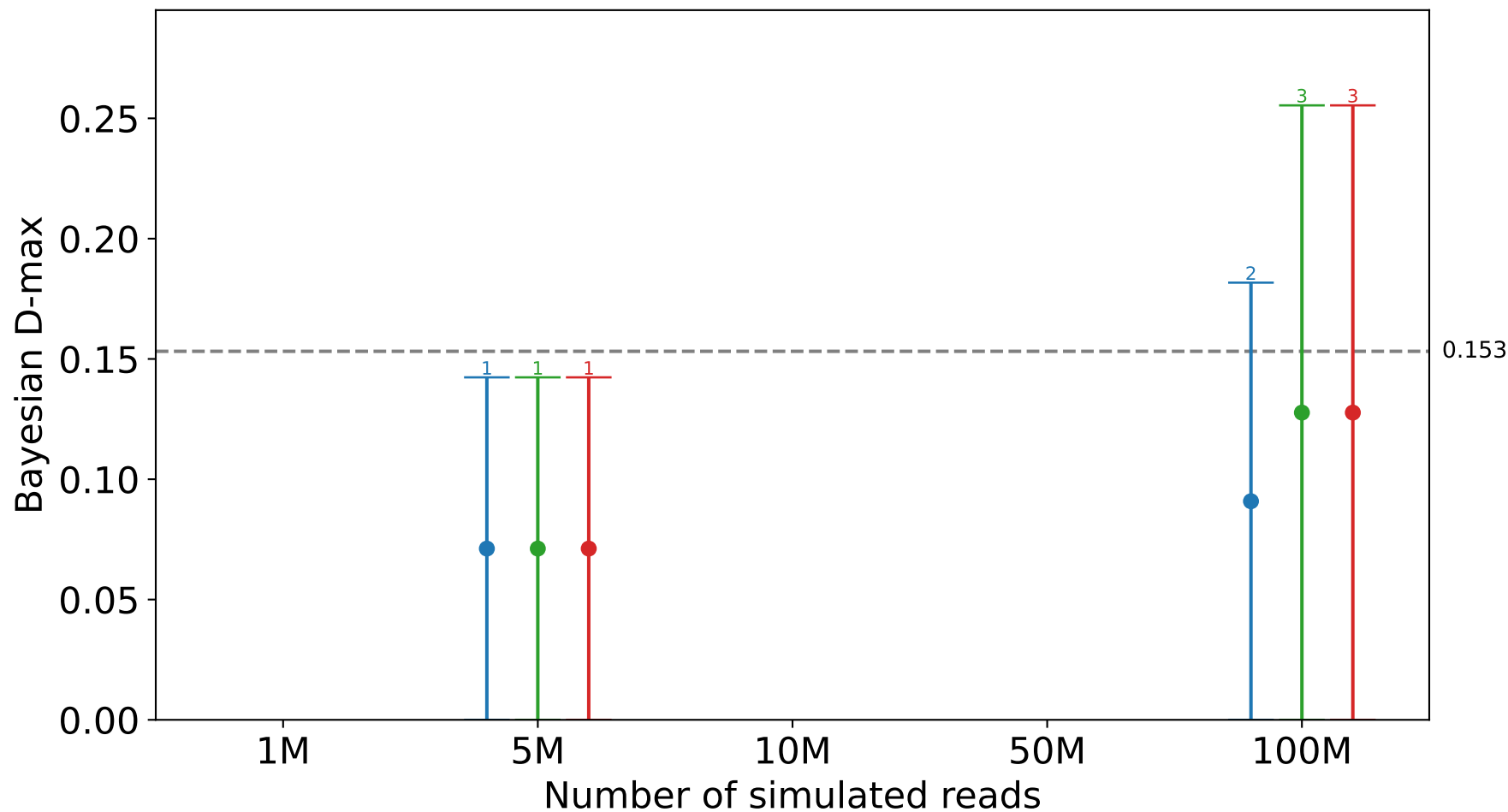
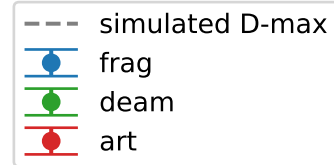
Only ancient: None

Cave-22, Tax ID: 149730  
s\_\_Primula atrodentata



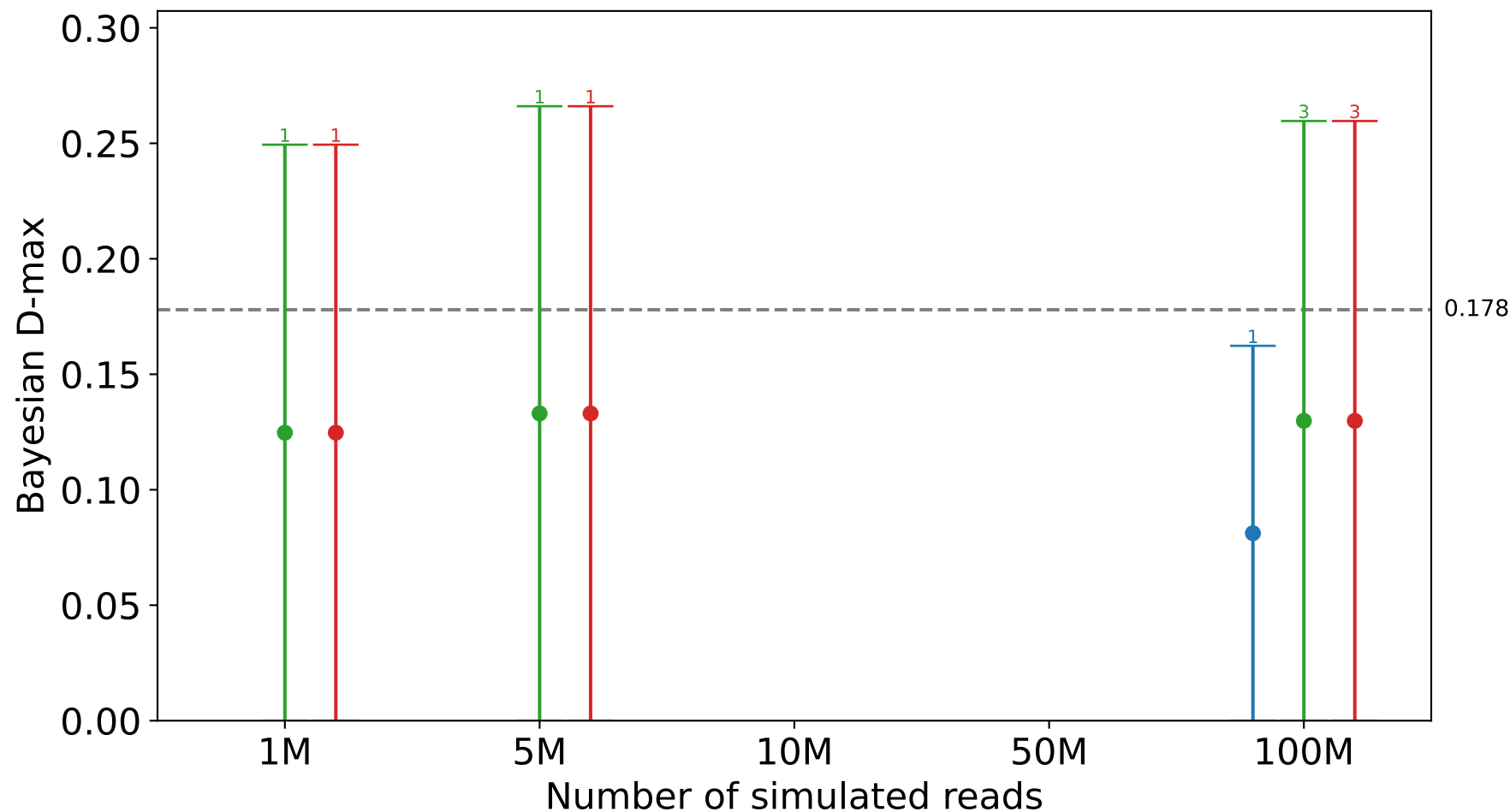
Only ancient: True

Cave-22, Tax ID: 148225  
s\_\_Campeiosstachys dahurica



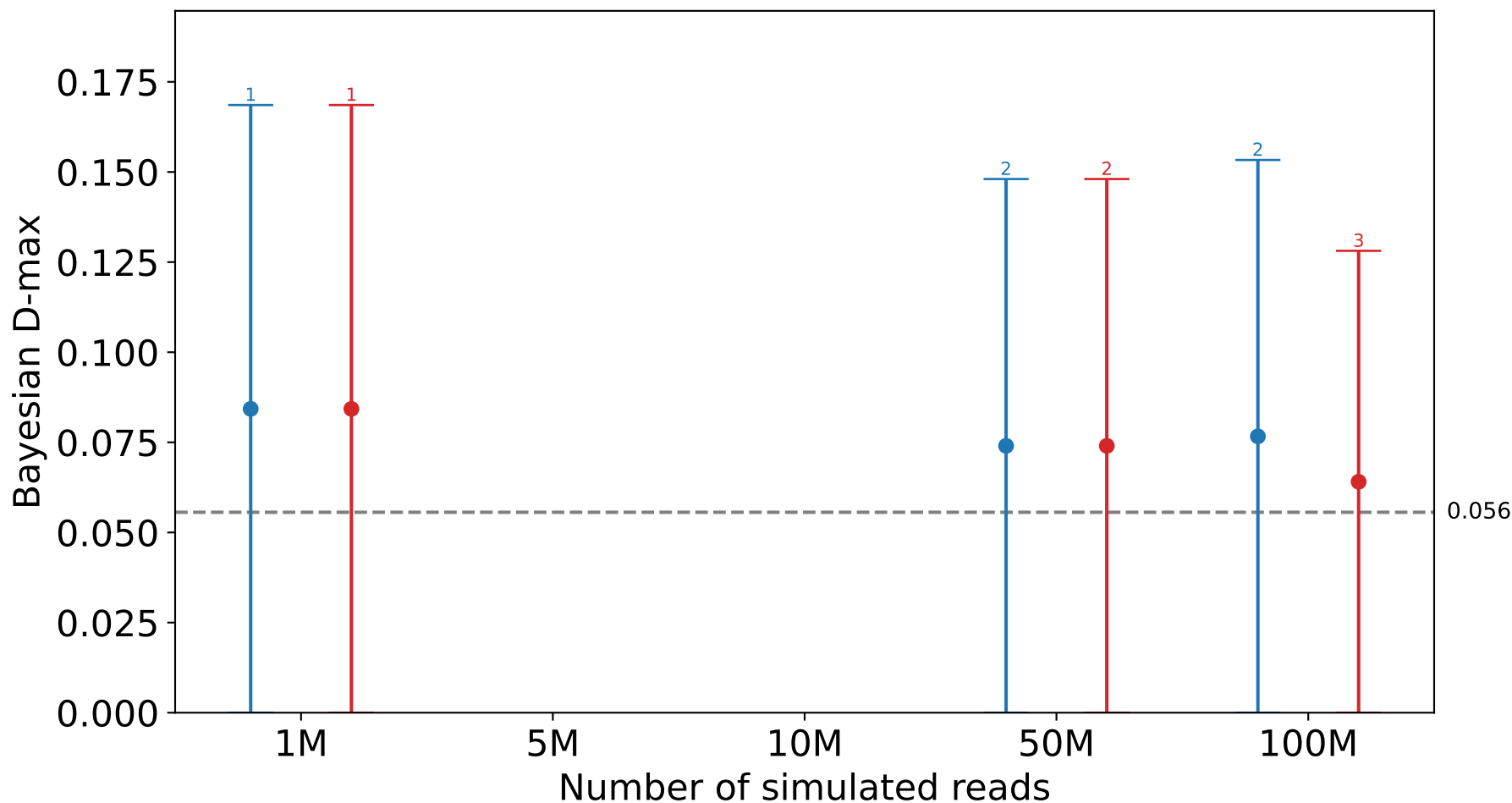
Only ancient: True

# Cave-22, Tax ID: 151871 s\_Nicoraepoa erinacea



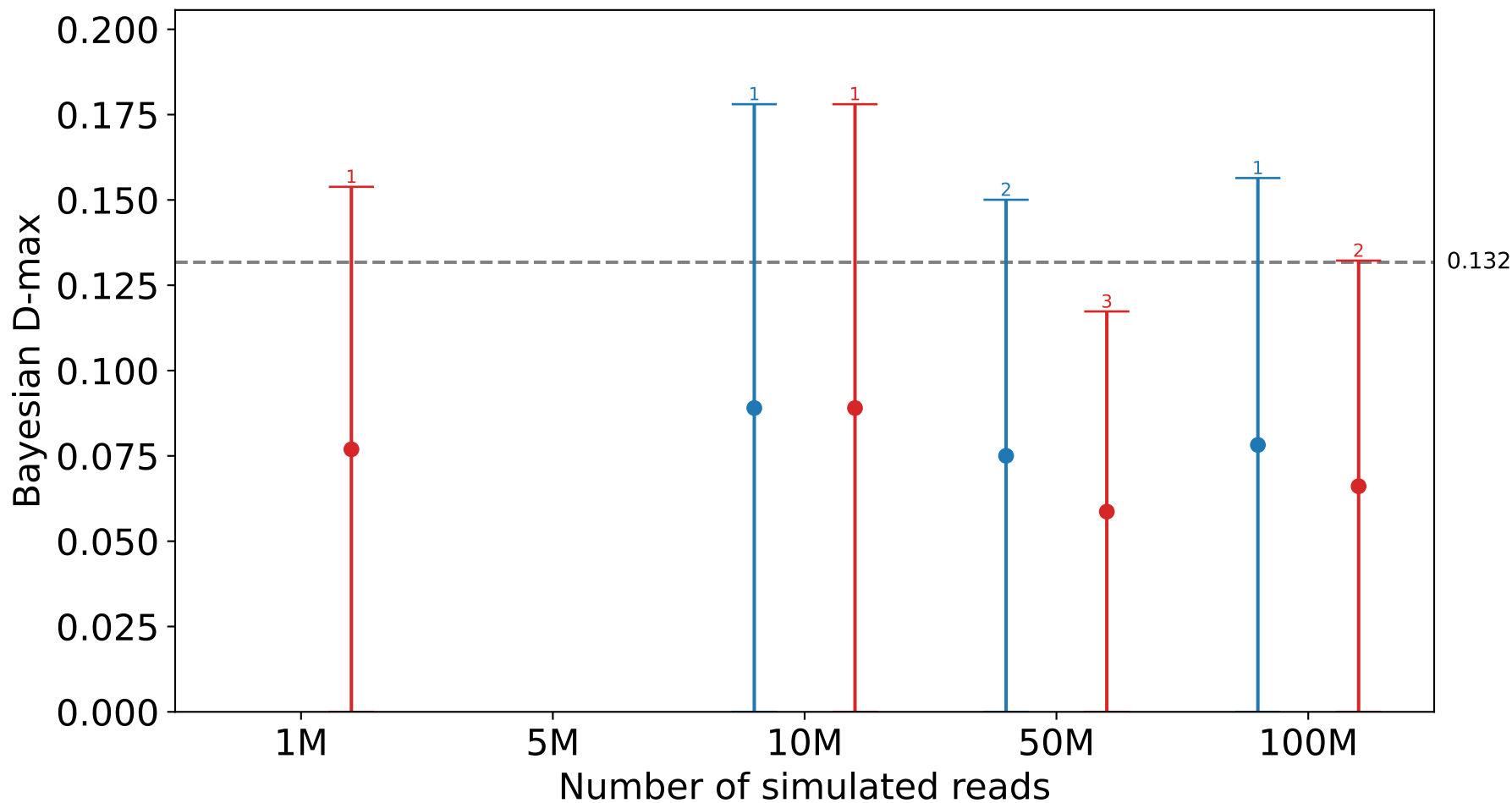
Only ancient: None

Cave-22, Tax ID: 135640  
s\_Gossypium mustelinum



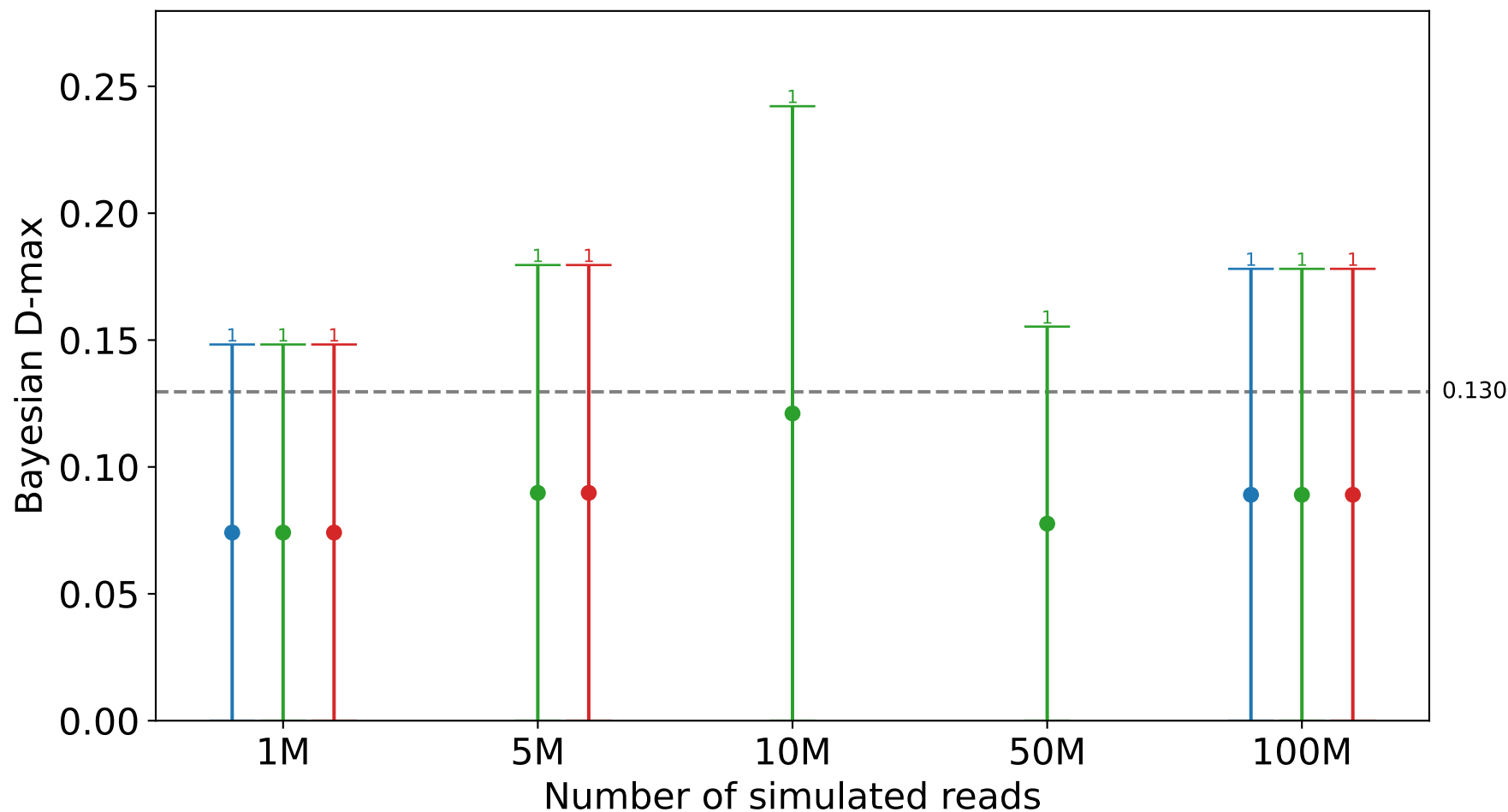
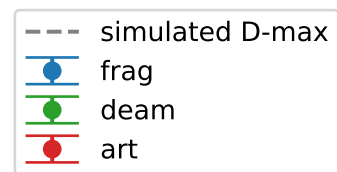
Only ancient: None

# Cave-22, Tax ID: 138743 s\_\_Bambusa bambos



Only ancient: True

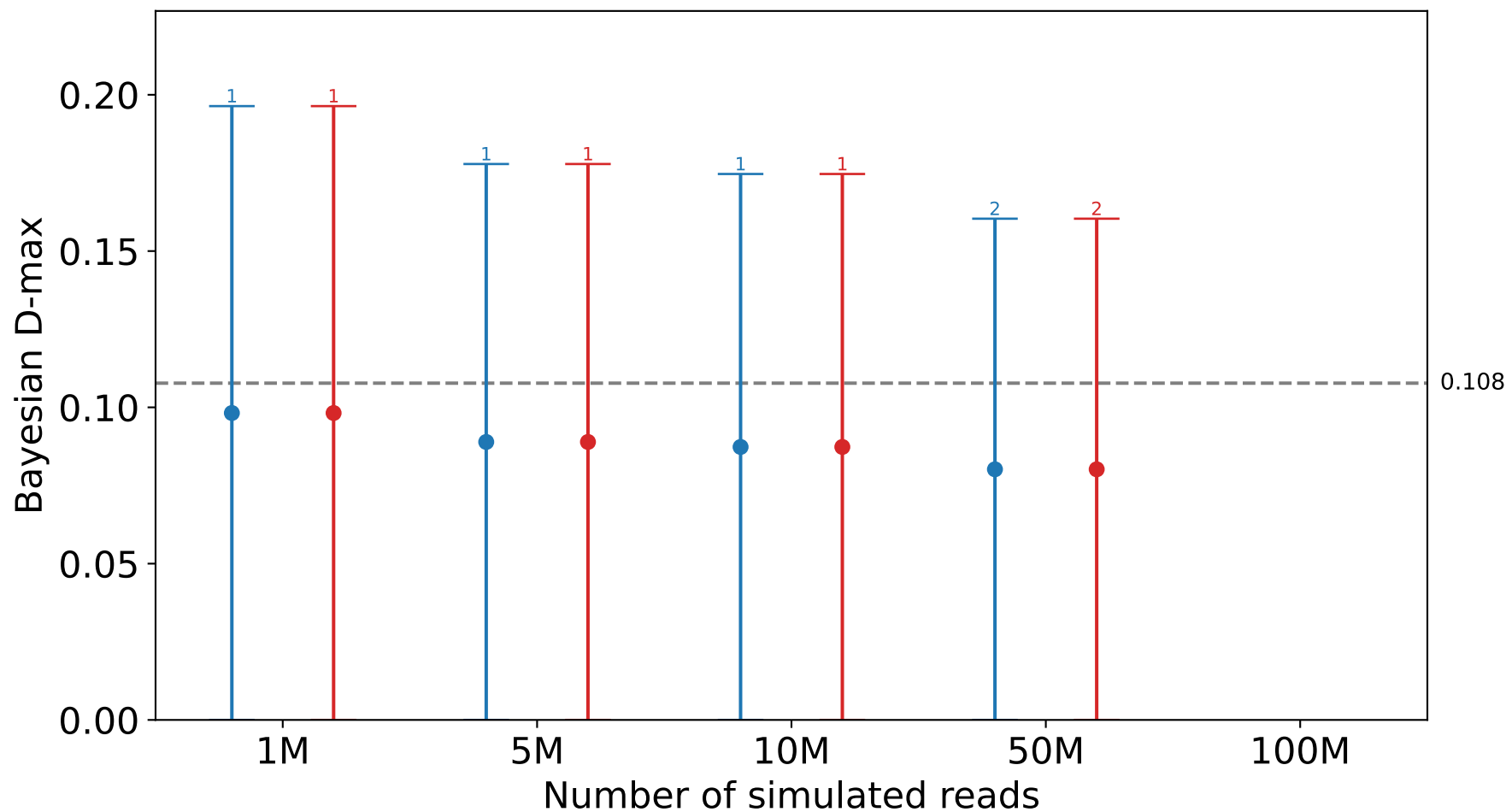
Cave-22, Tax ID: 142859  
s\_*Saccharum hildebrandtii*





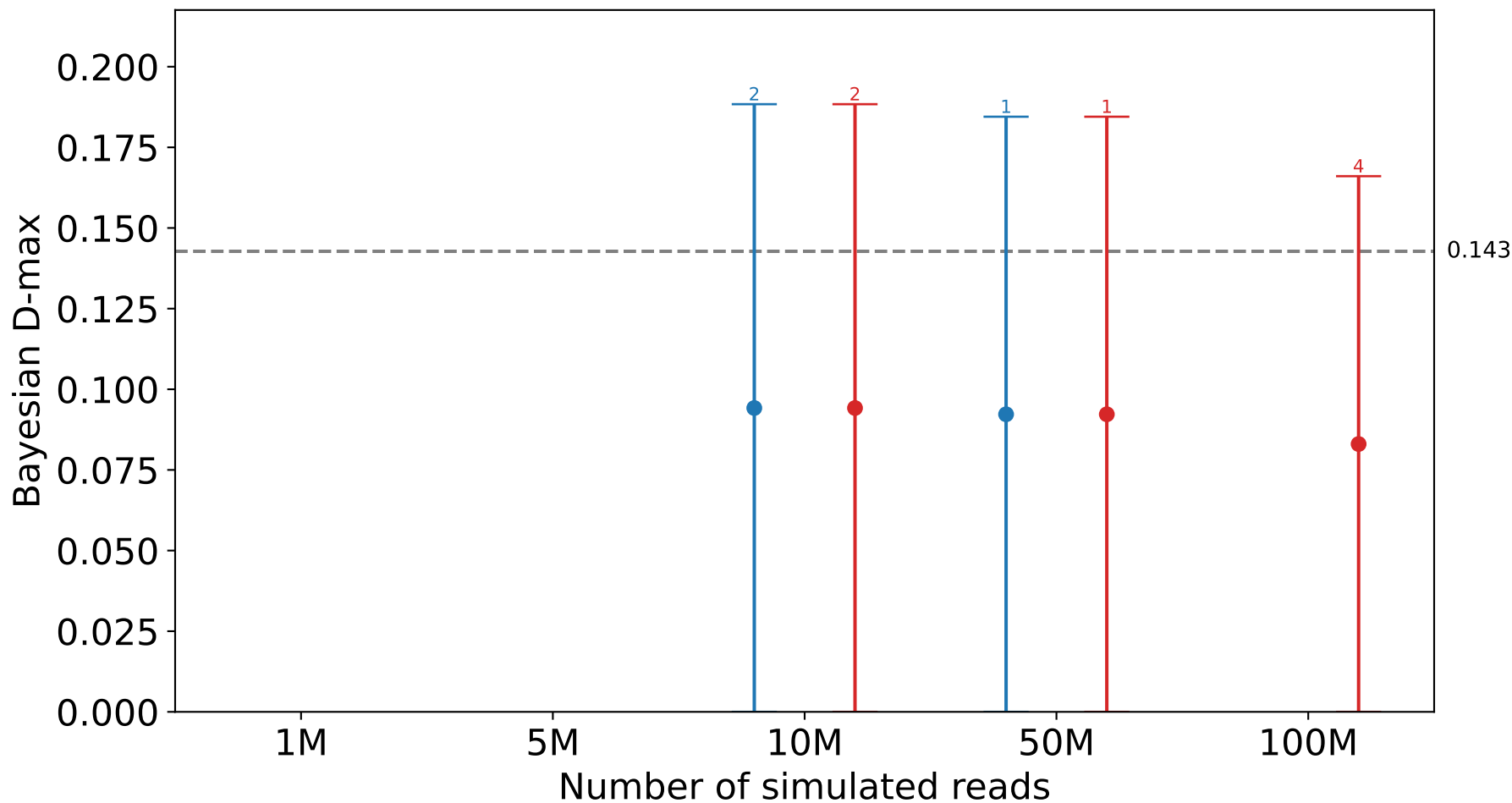
Only ancient: None

# Cave-22, Tax ID: 150771 s\_\_Rubus pectinarius



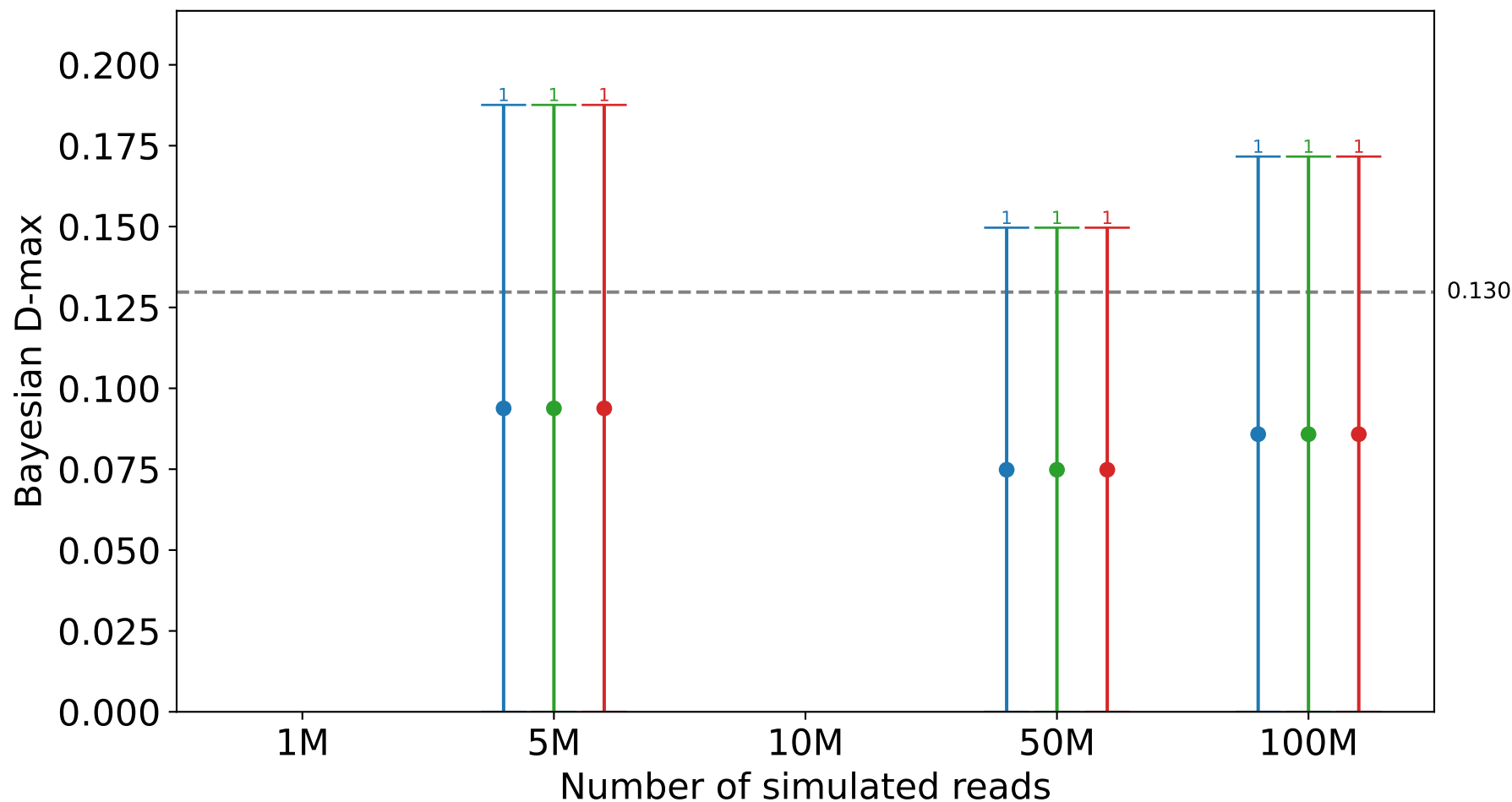
Only ancient: None

Cave-22, Tax ID: 144376  
s\_Hesperocyparis benthamii



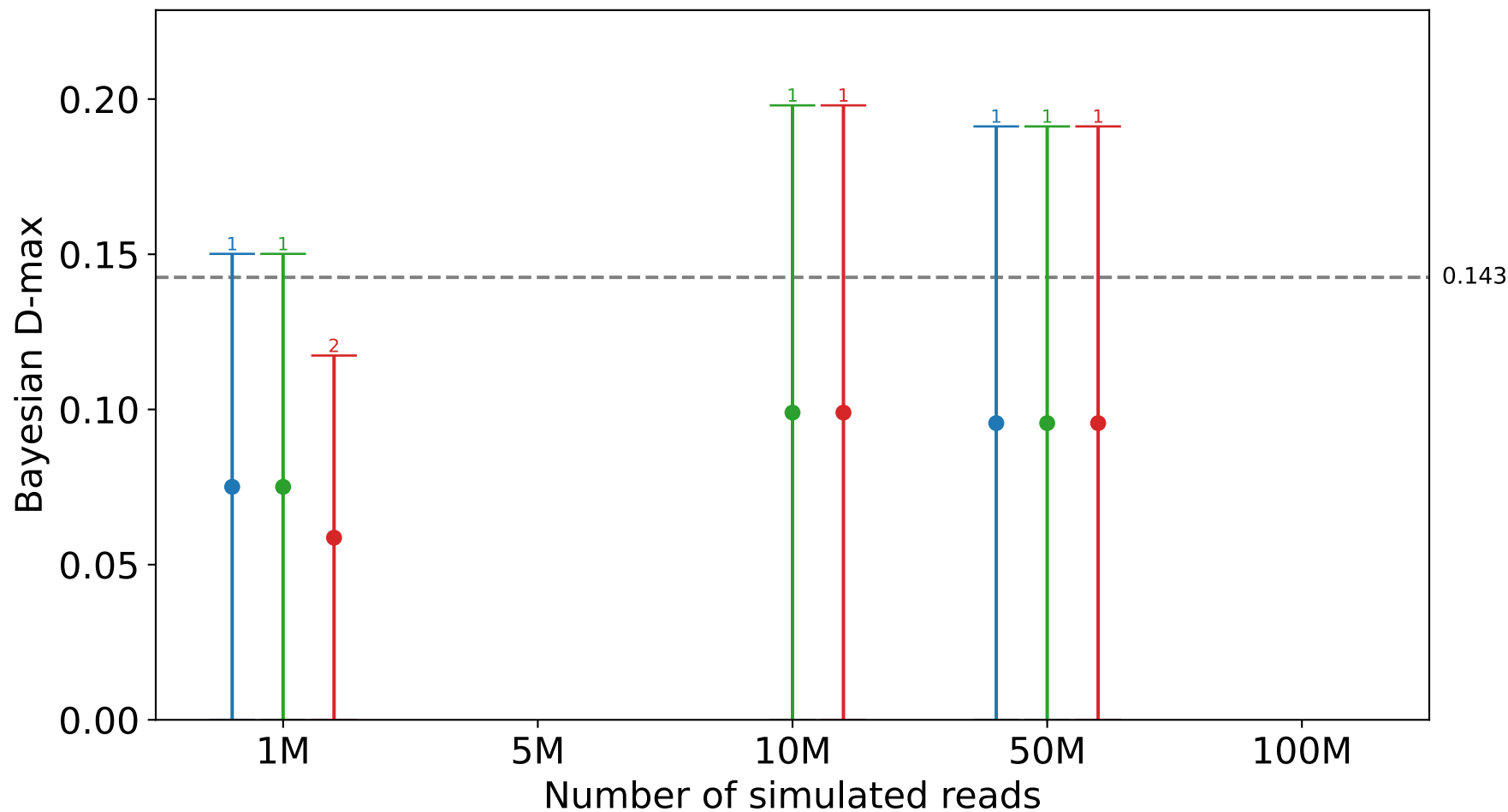
Only ancient: True

# Cave-22, Tax ID: 146141 s\_Pleioblastus amarus



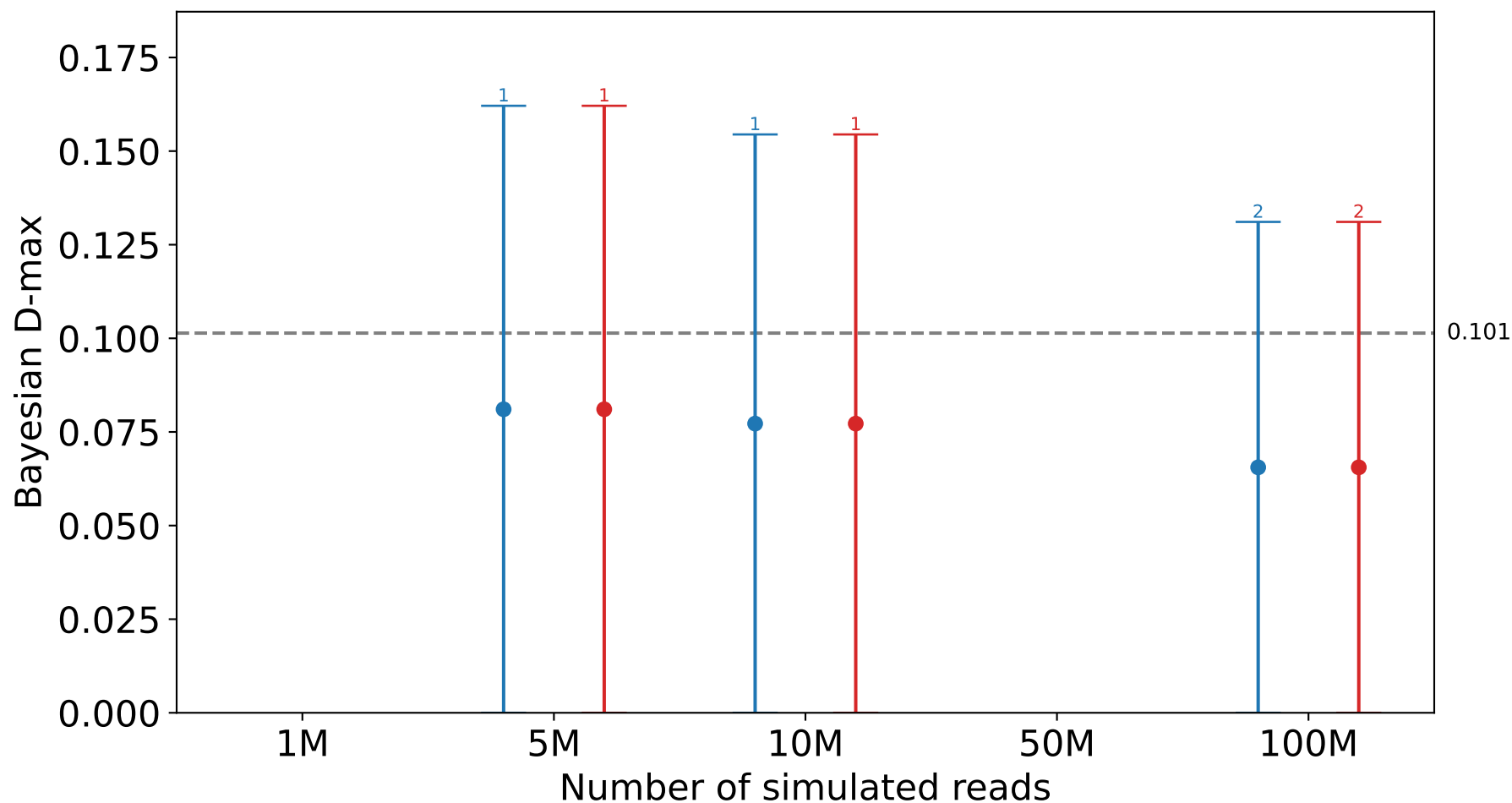
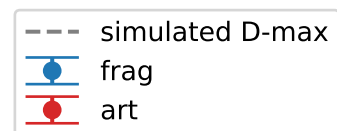
Only ancient: True

Cave-22, Tax ID: 151766  
s\_Kengyilia grandiglumis



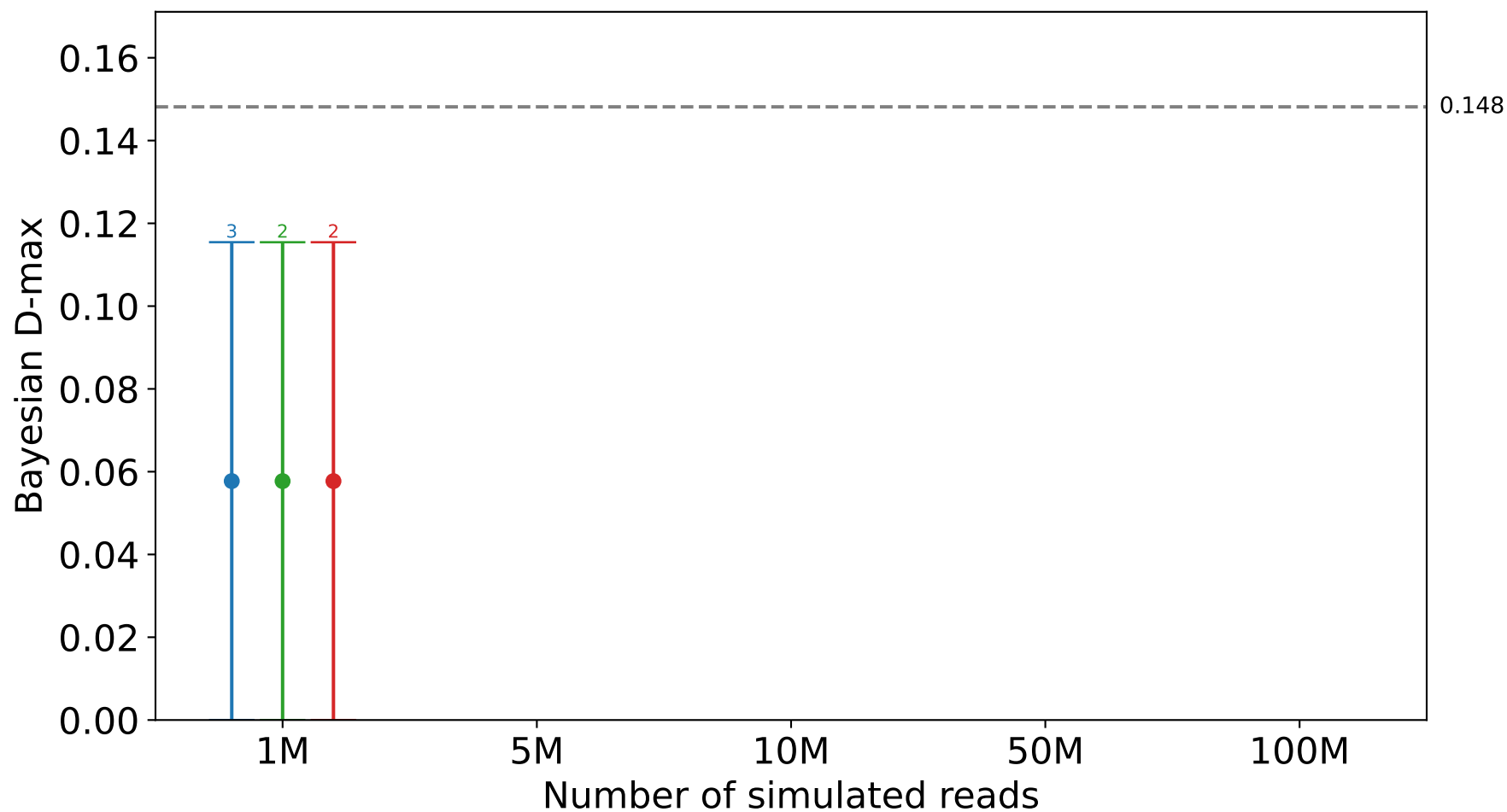
Only ancient: None

# Cave-22, Tax ID: 151073 s\_\_Magnolia dupperreana



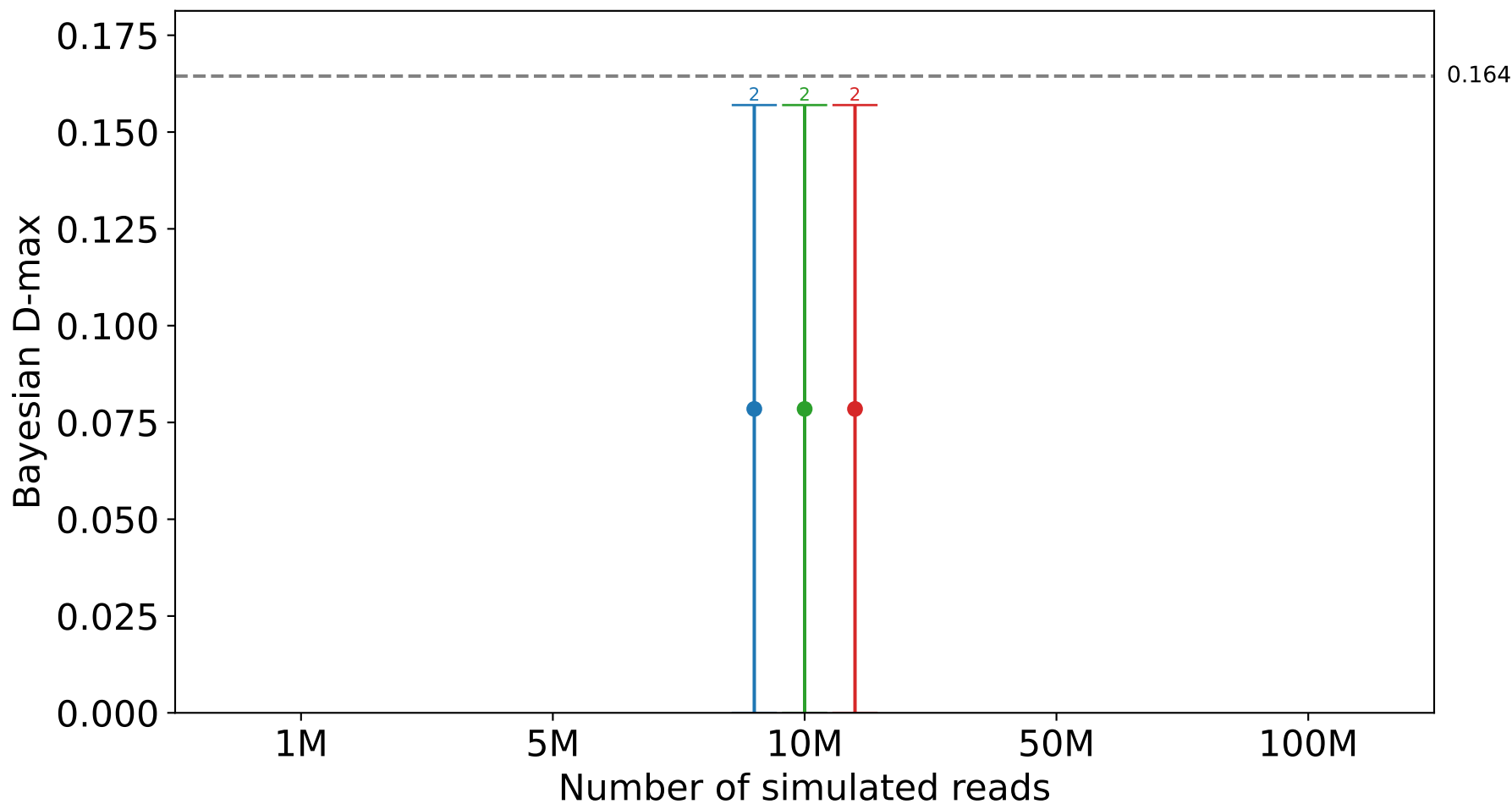
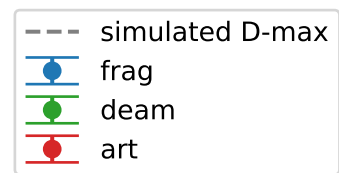
Only ancient: True

# Cave-22, Tax ID: 142077 s\_Eremochloa ciliaris



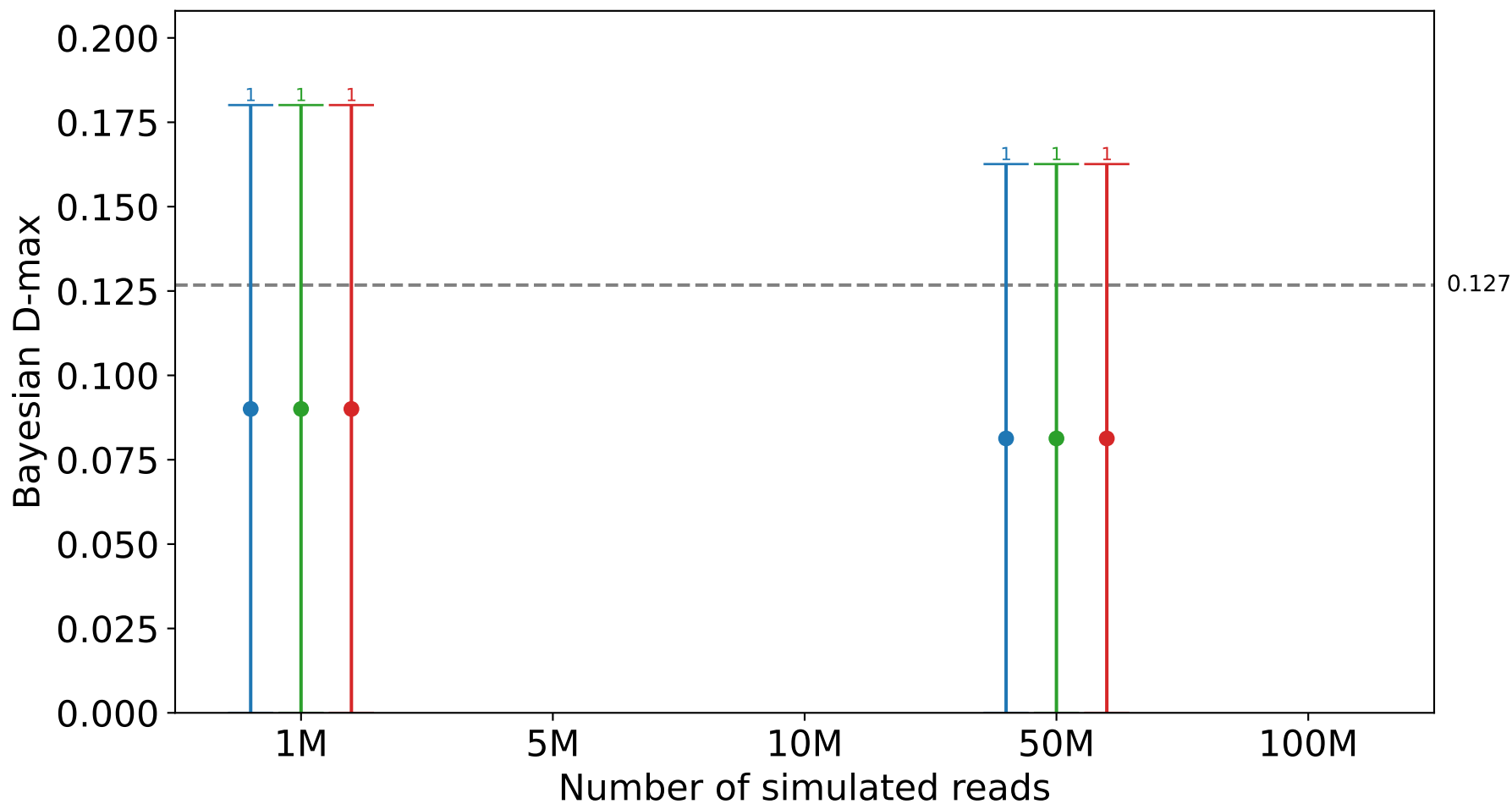
Only ancient: True

Cave-22, Tax ID: 151426  
s\_\_Bambusa stenoaurita



Only ancient: True

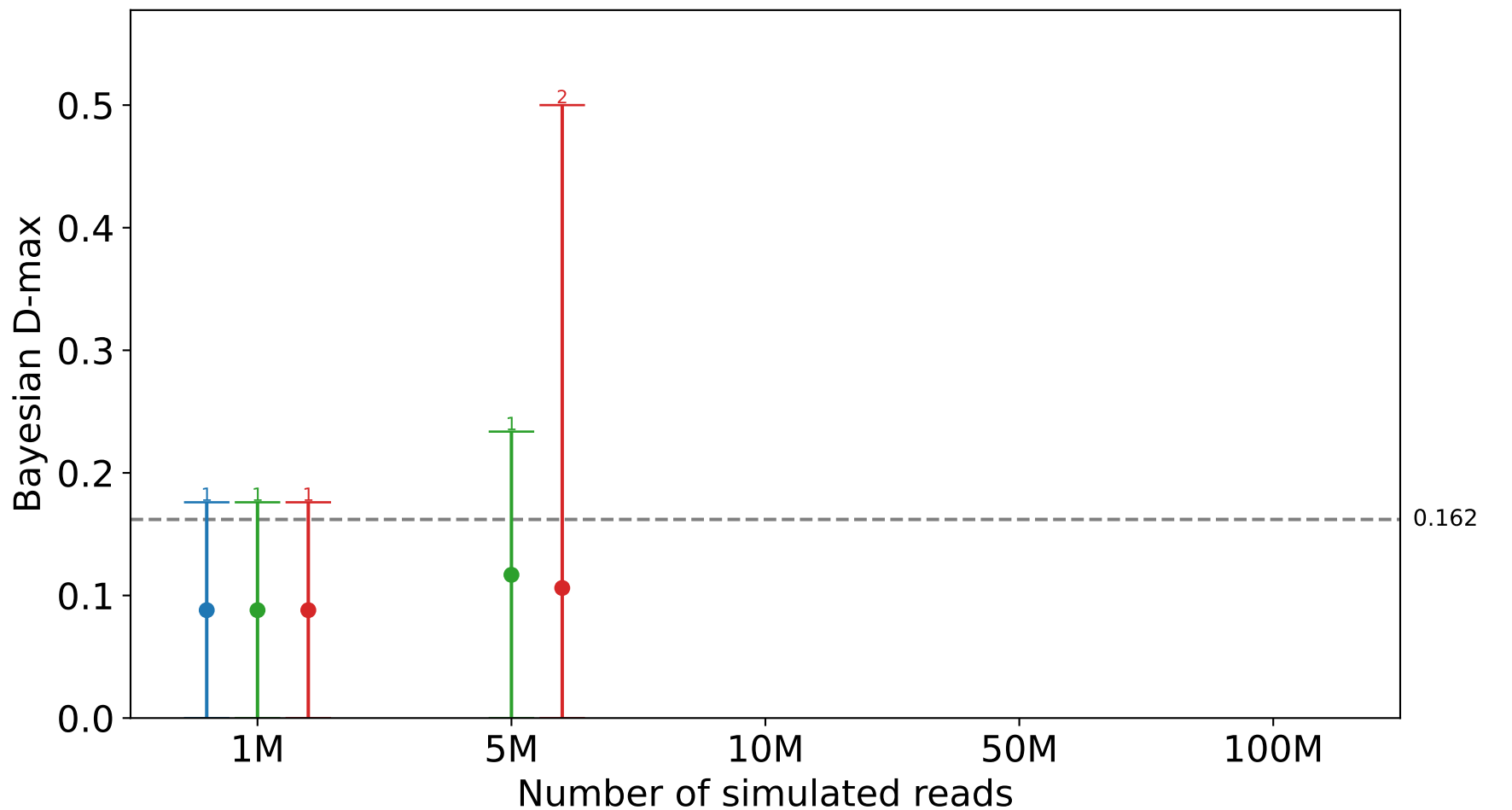
Cave-22, Tax ID: 146143  
s\_Yushania brevipaniculata





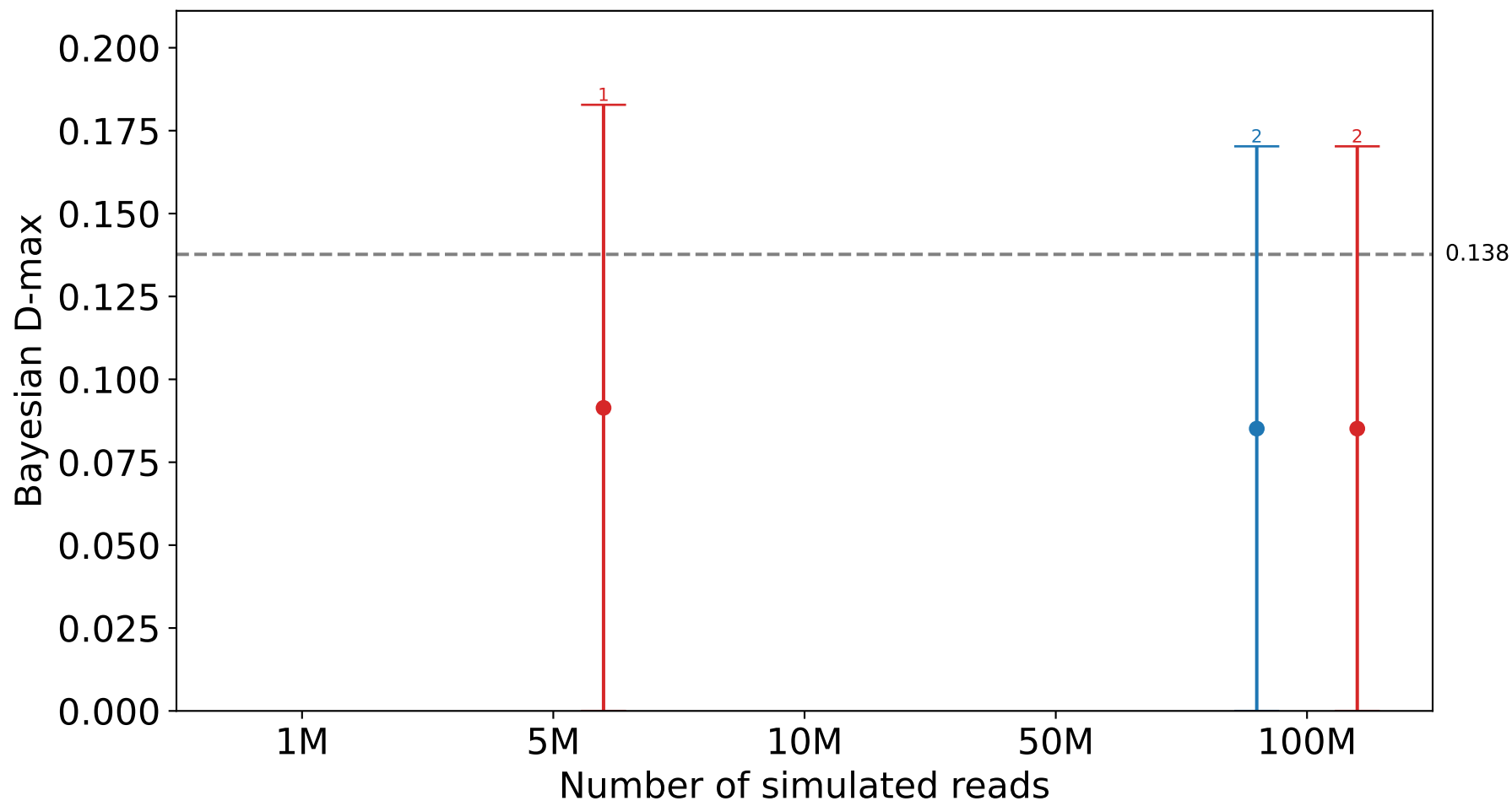
Only ancient: True

Cave-22, Tax ID: 148220  
s\_Thinopyrum intermedium



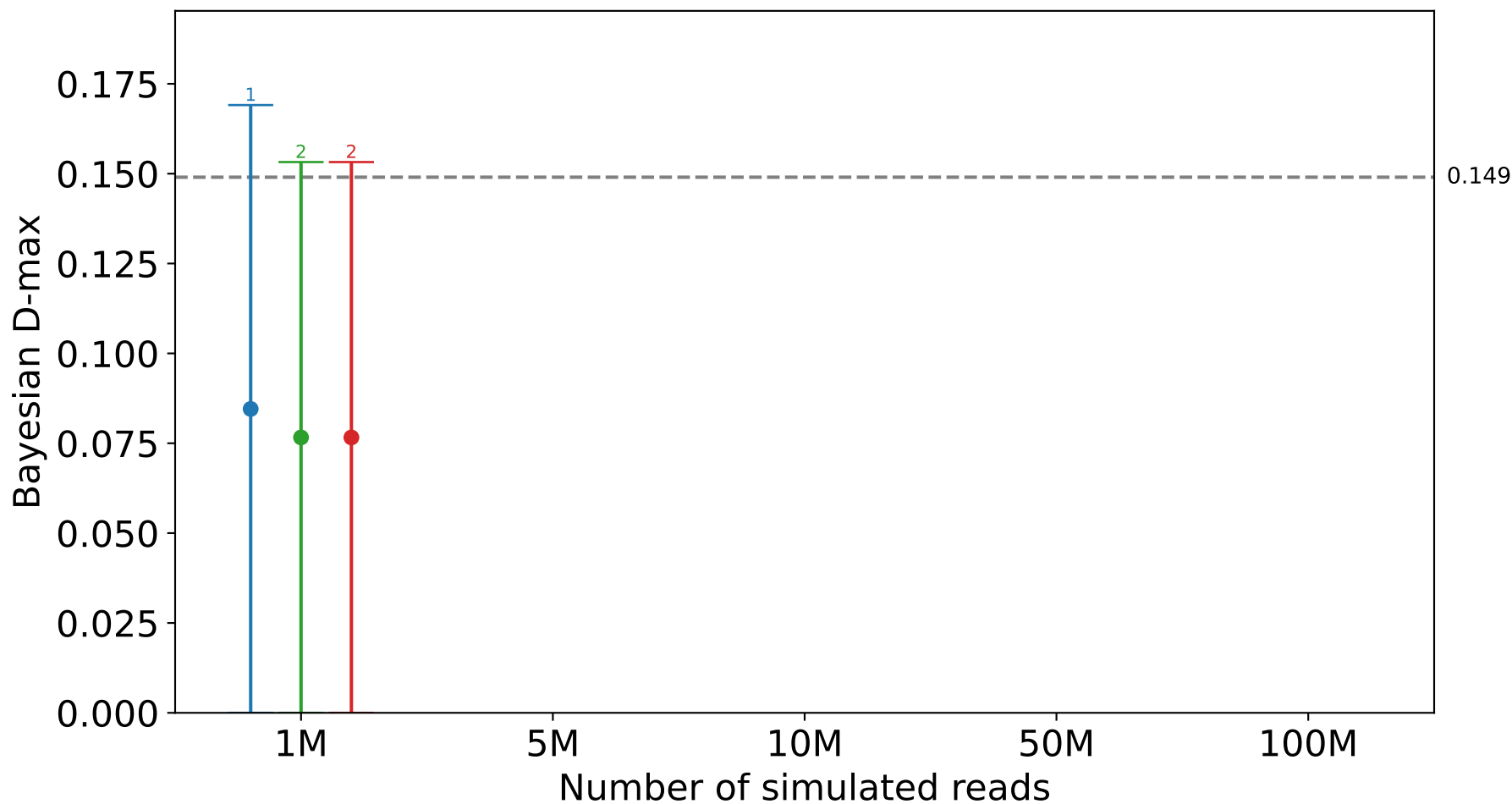
Only ancient: None

# Cave-22, Tax ID: 147518 s\_Rosa laevigata



Only ancient: True

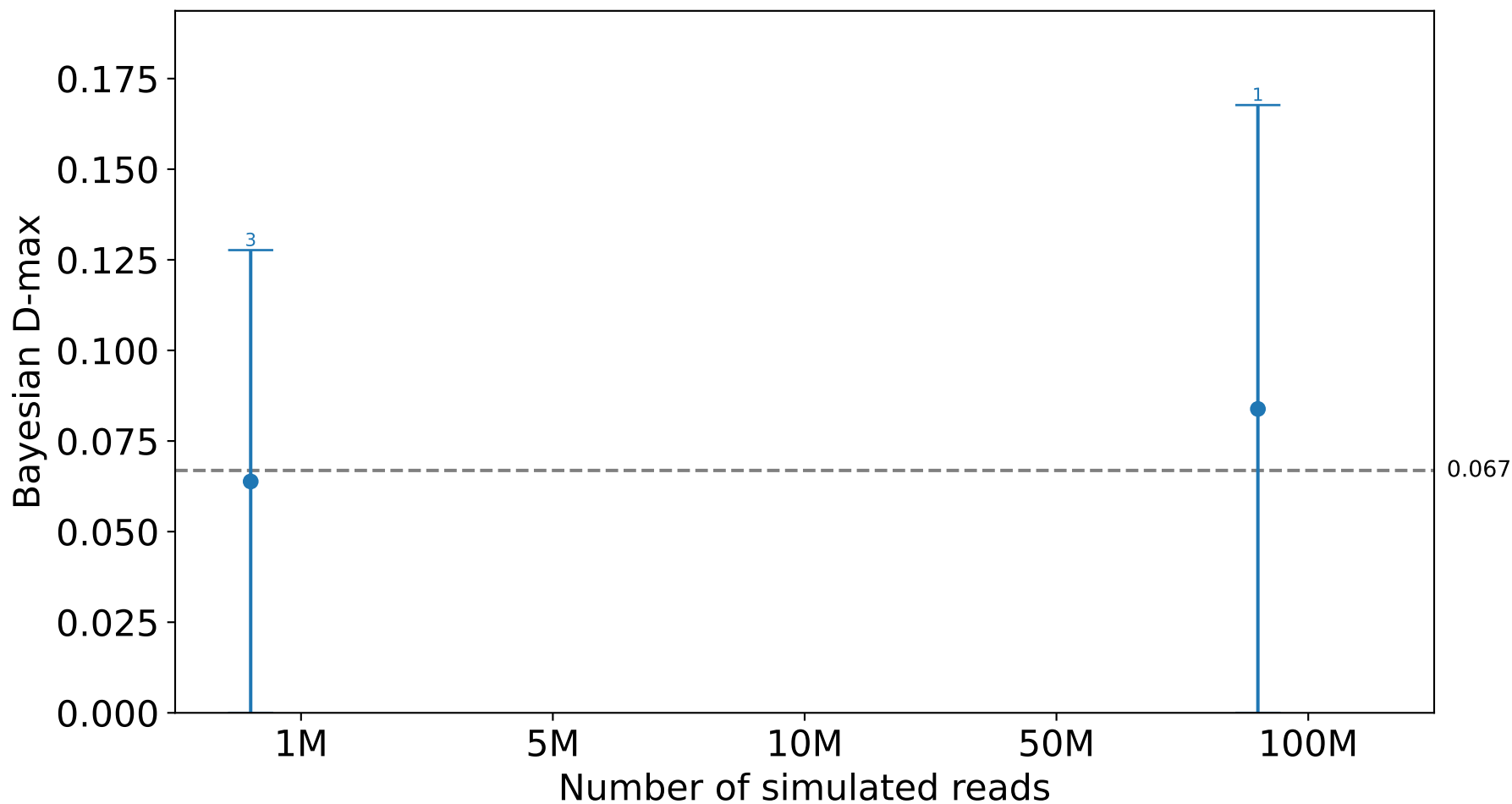
# Cave-22, Tax ID: 146649 s\_\_Leymus chinensis



Only ancient: None

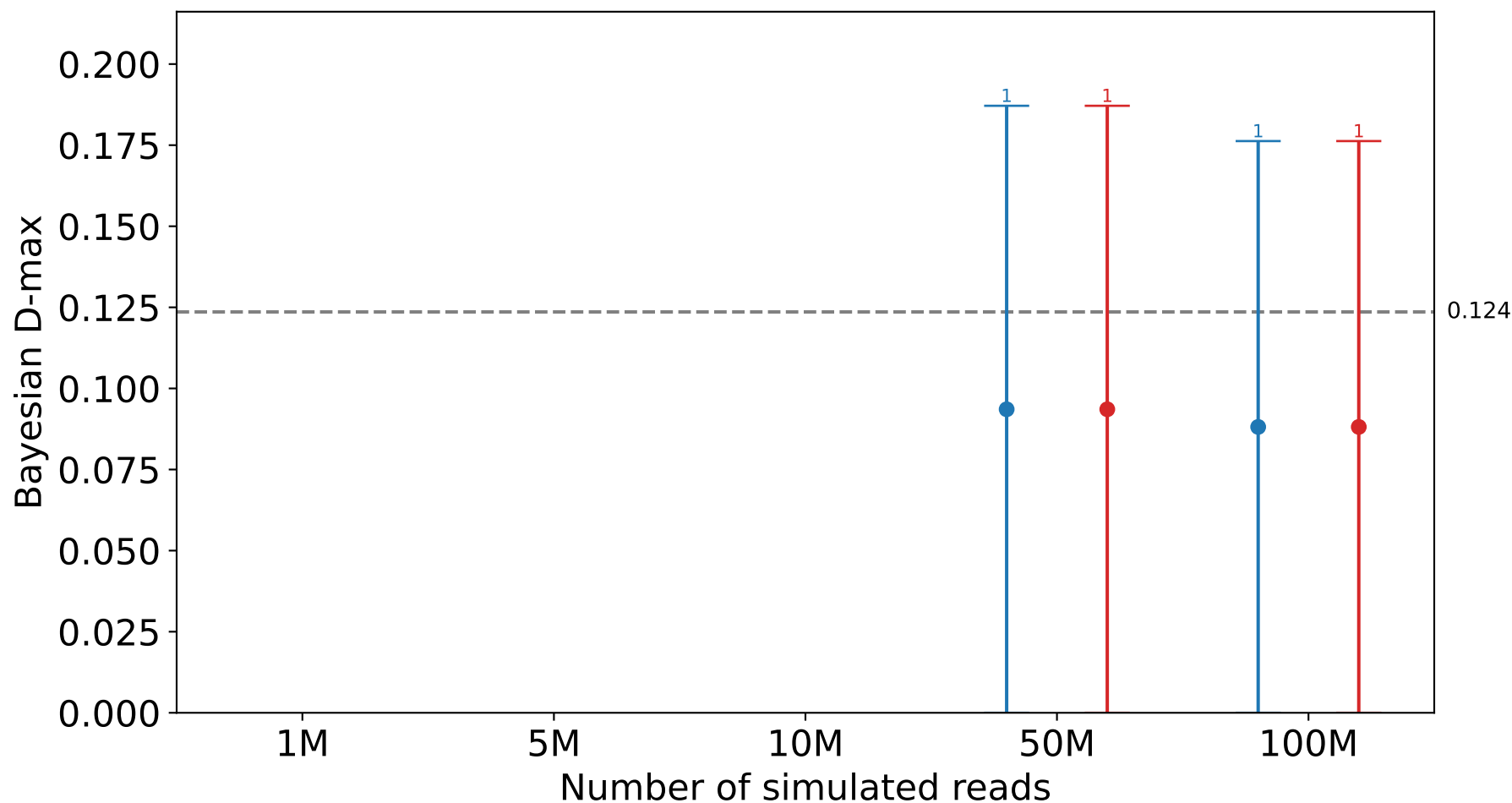
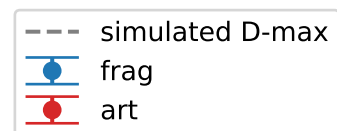
Cave-22, Tax ID: 150144  
s\_\_Dendrobium densiflorum

--- simulated D-max  
frag



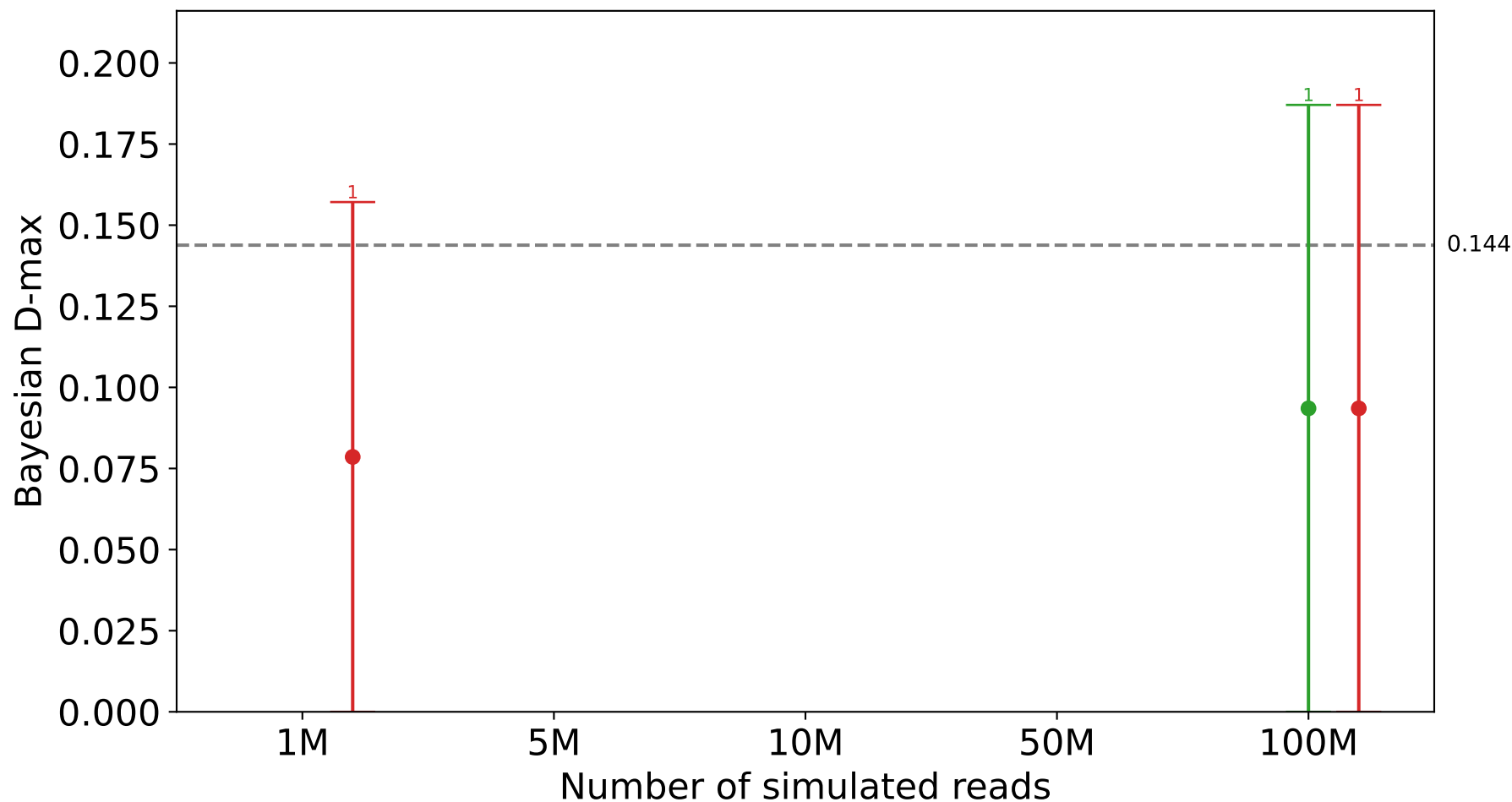
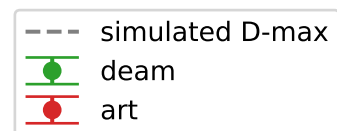
Only ancient: None

Cave-22, Tax ID: 145009  
s\_\_Salvia bulleyana



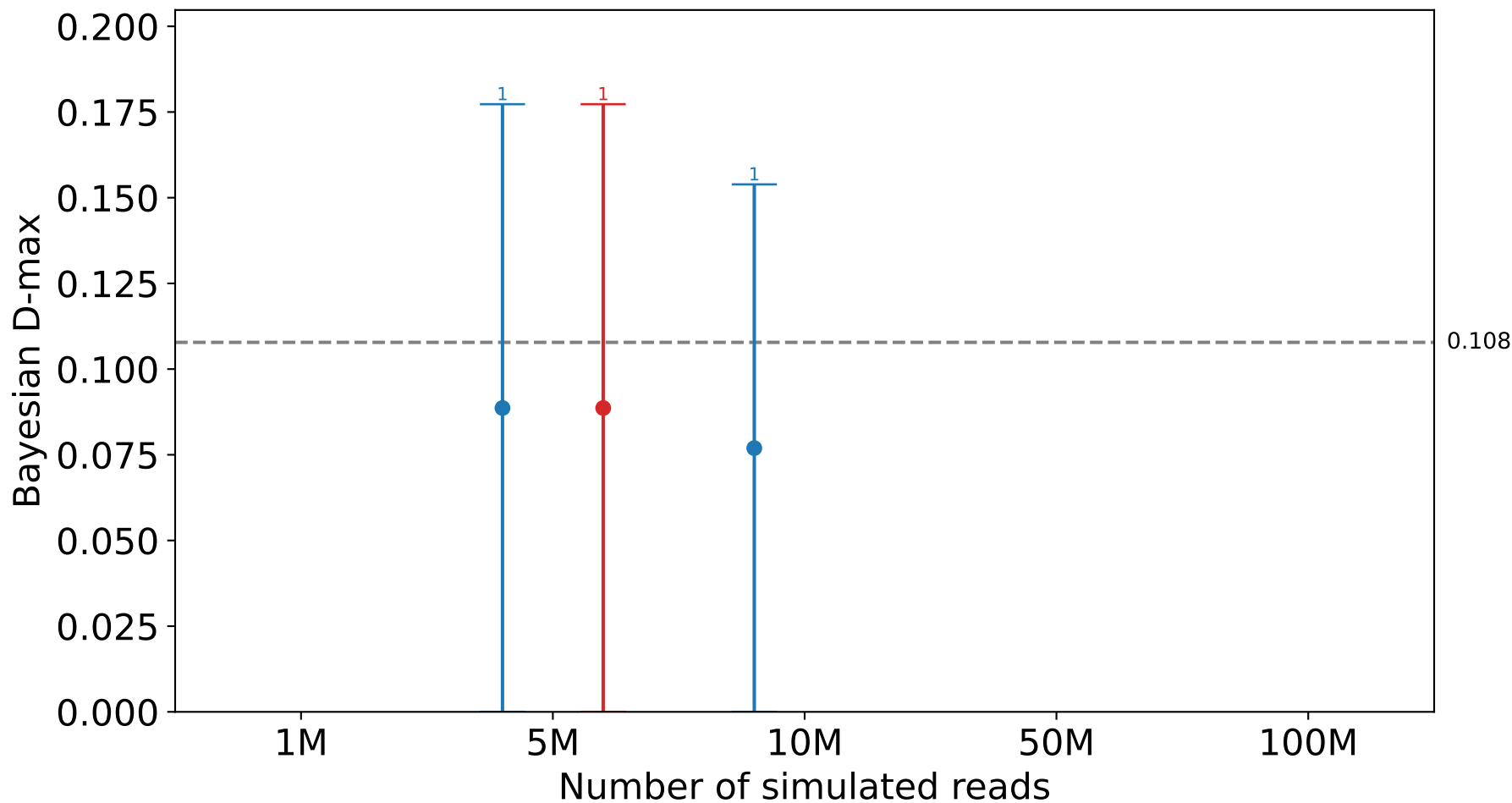
Only ancient: True

# Cave-22, Tax ID: 148698 s\_Melocalamus arrectus



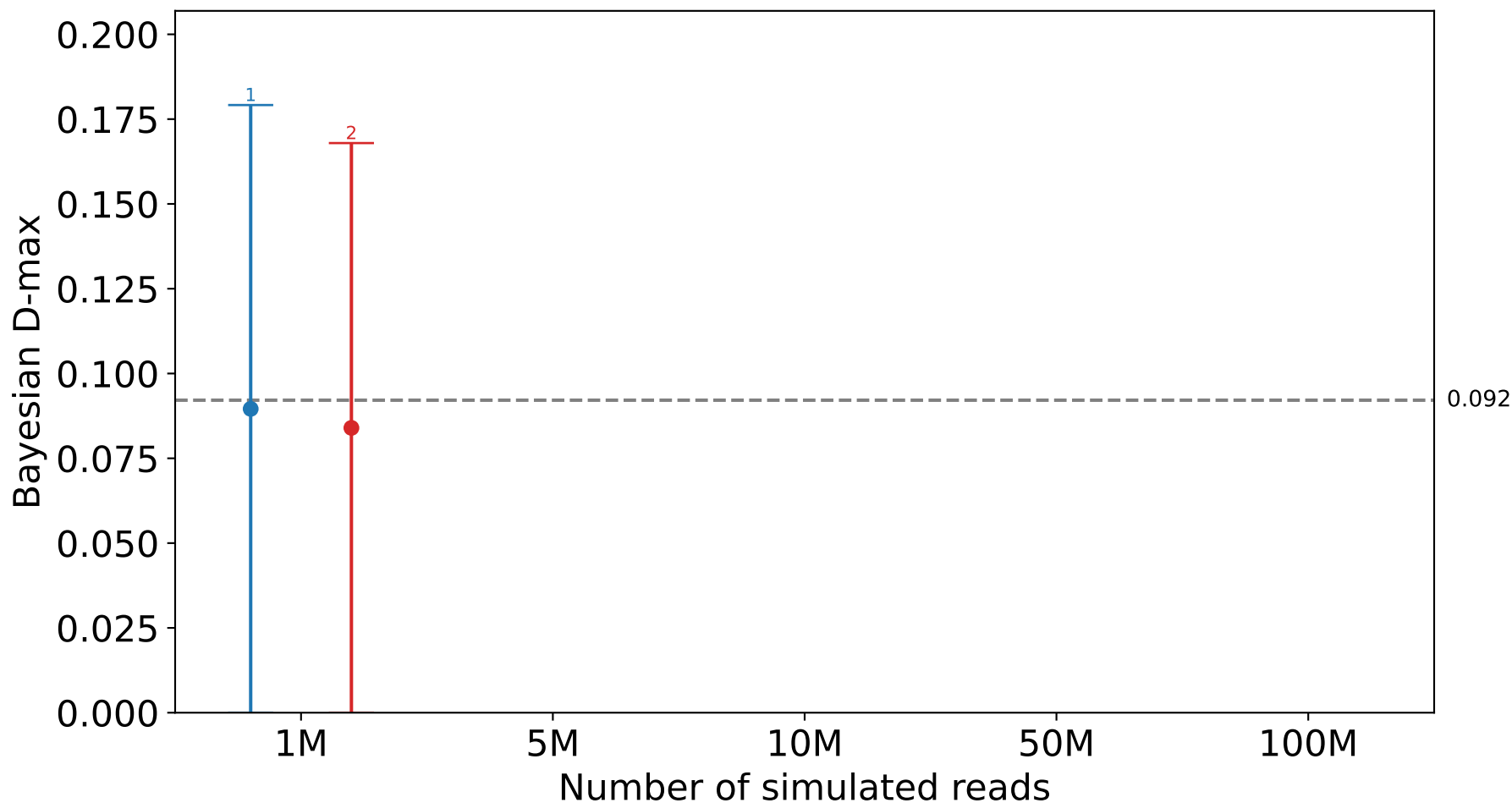
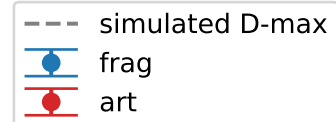
Only ancient: None

Cave-22, Tax ID: 145930  
s\_\_Triodia chichesterensis



Only ancient: None

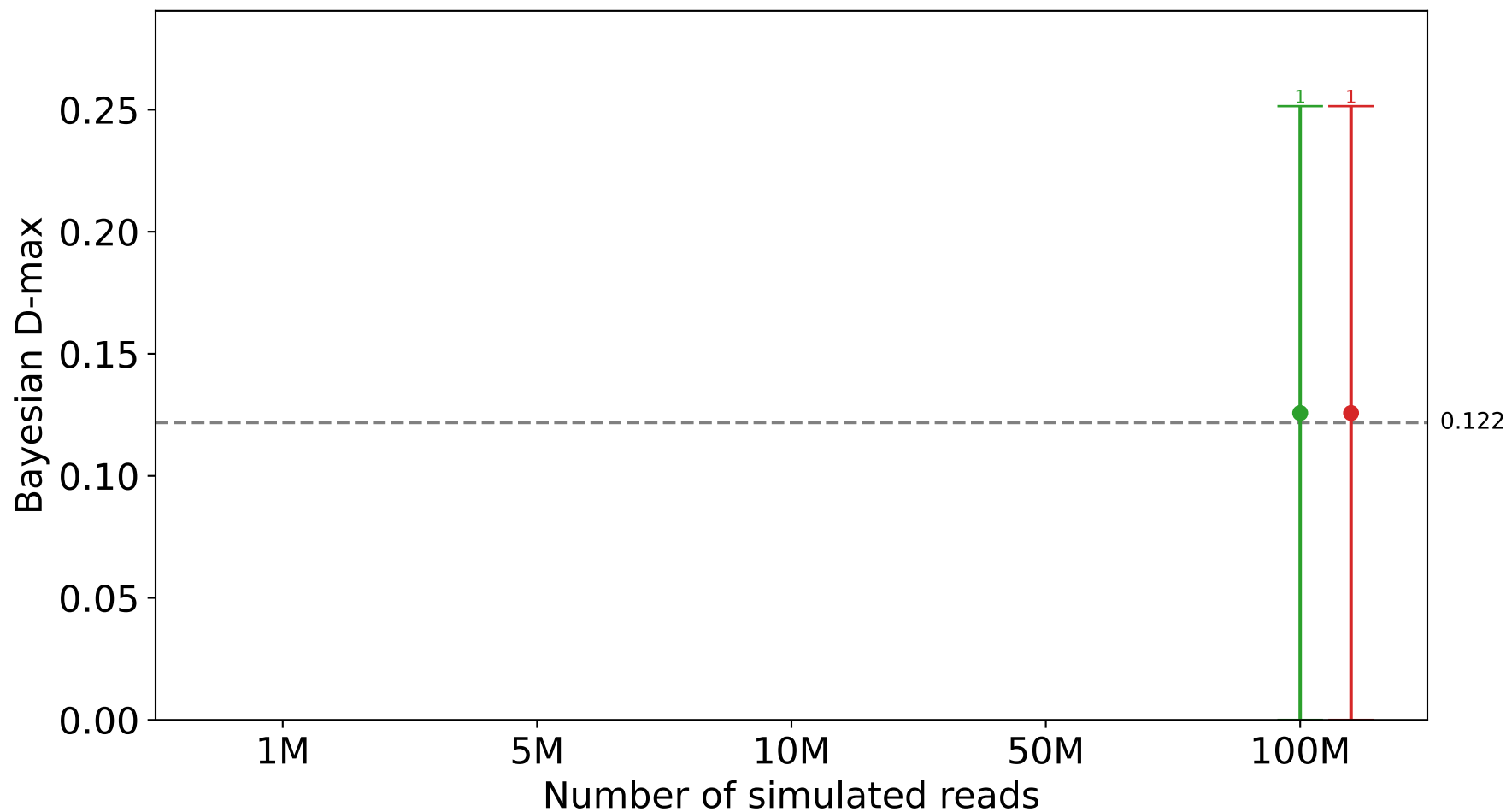
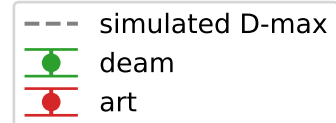
Cave-22, Tax ID: 145587  
s\_\_Chionanthus compactus





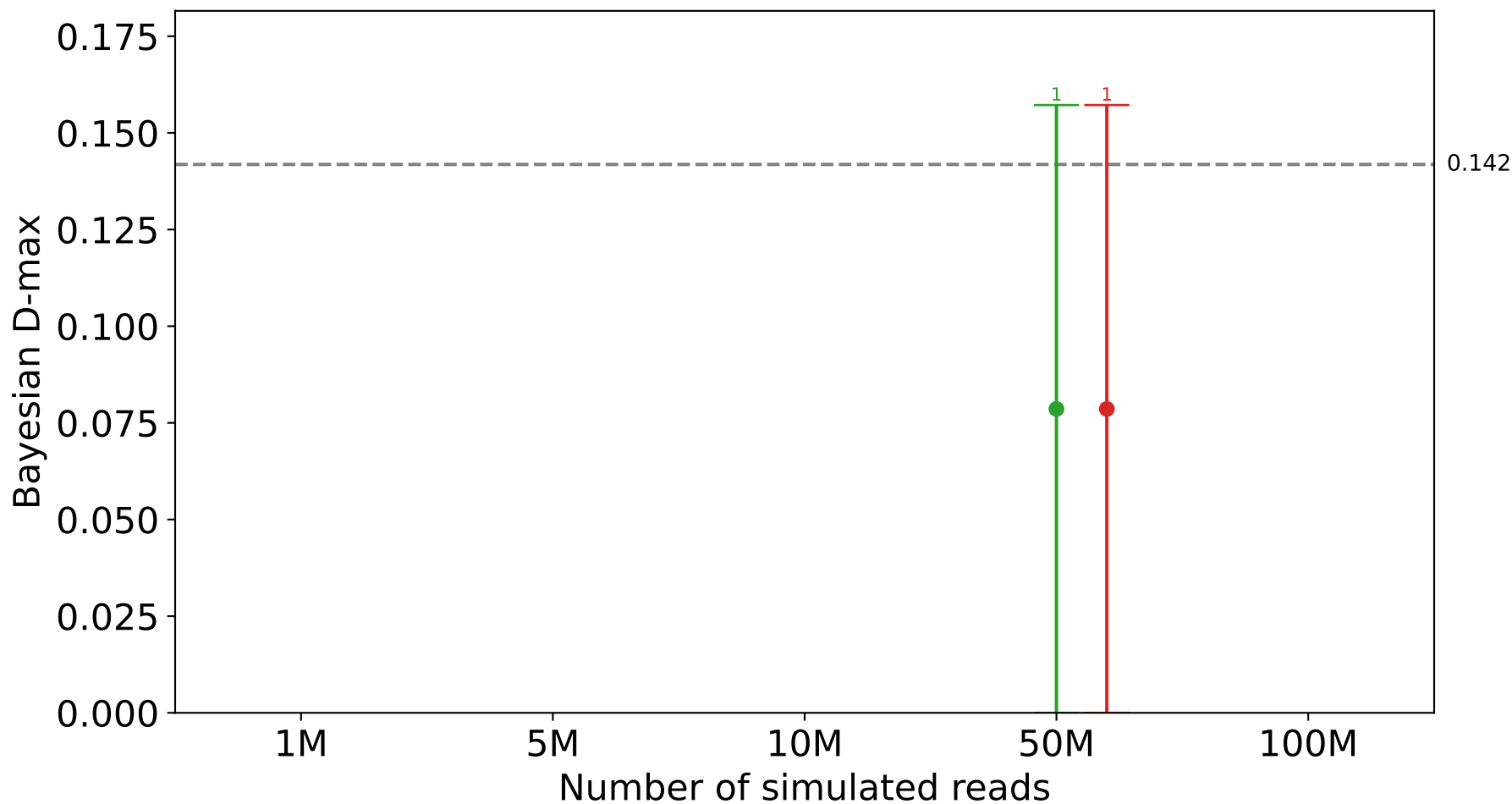
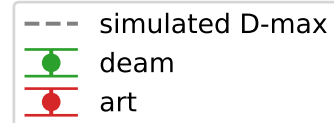
Only ancient: True

Cave-22, Tax ID: 137793  
s\_\_Arundinaria fargesii



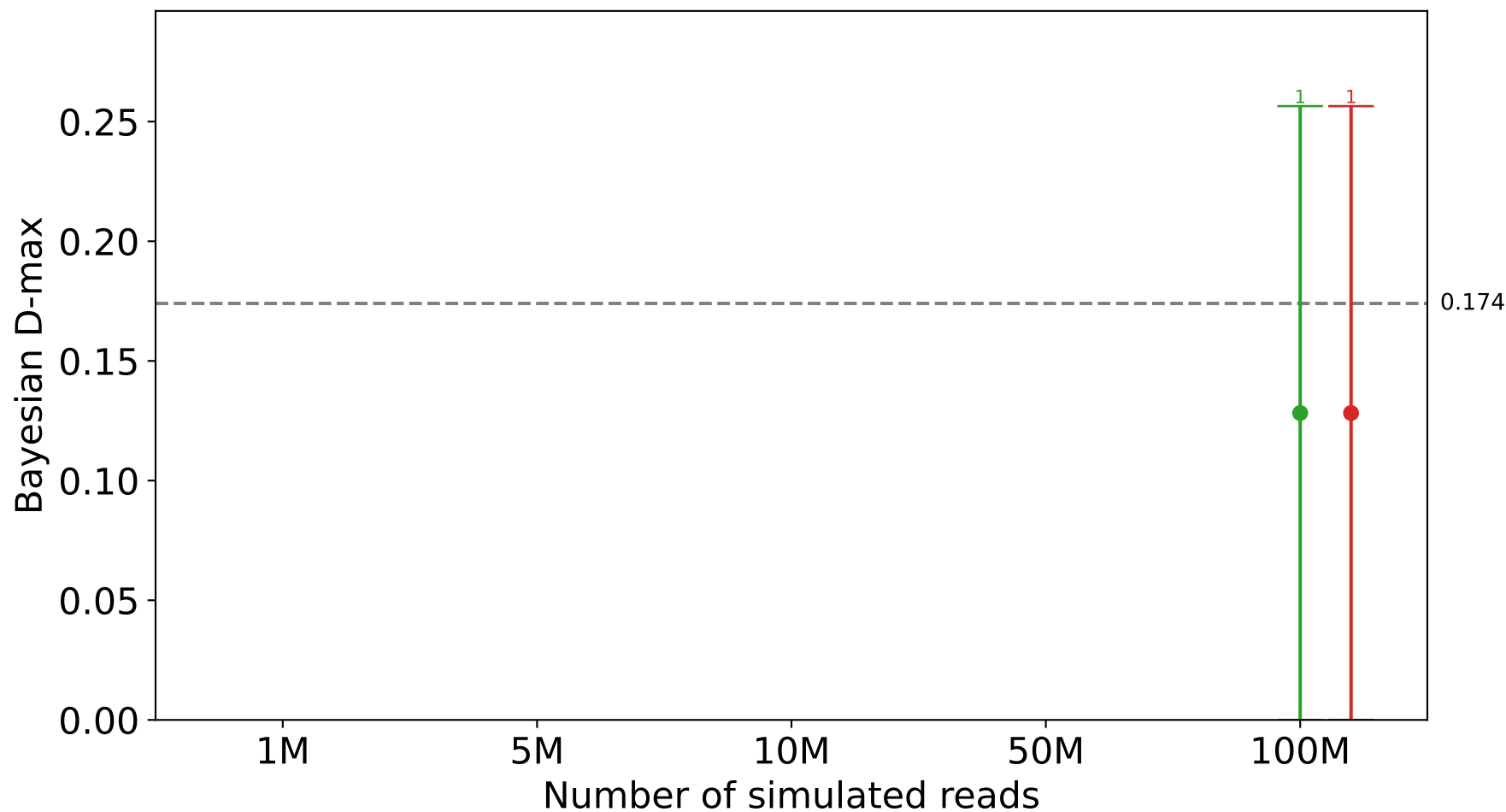
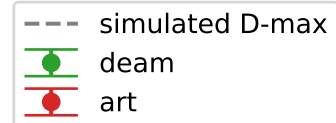
Only ancient: True

# Cave-22, Tax ID: 143001 s\_\_Littledalea racemosa



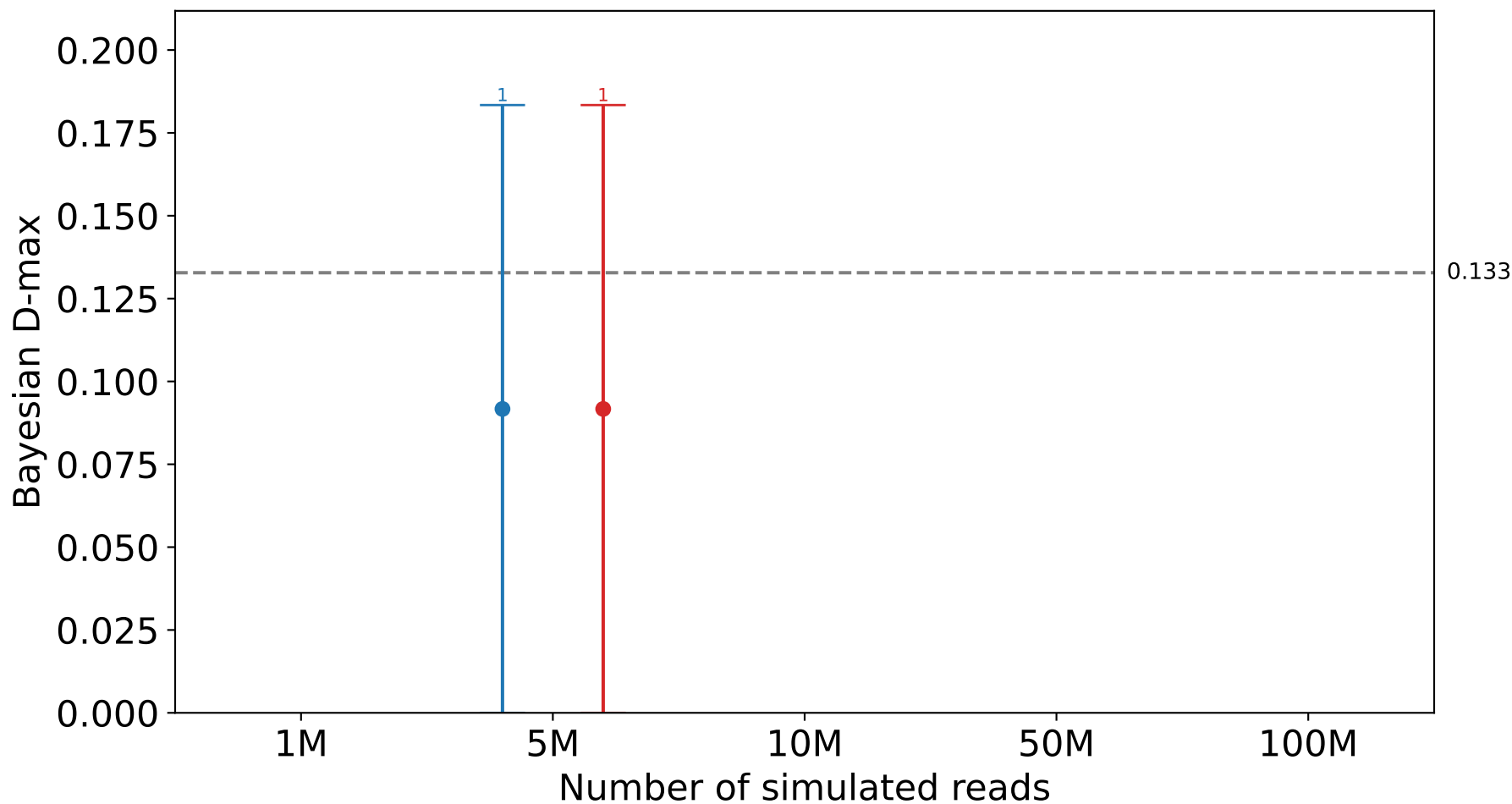
Only ancient: True

Cave-22, Tax ID: 143933  
s\_\_Dendrosenecio brassiciformis



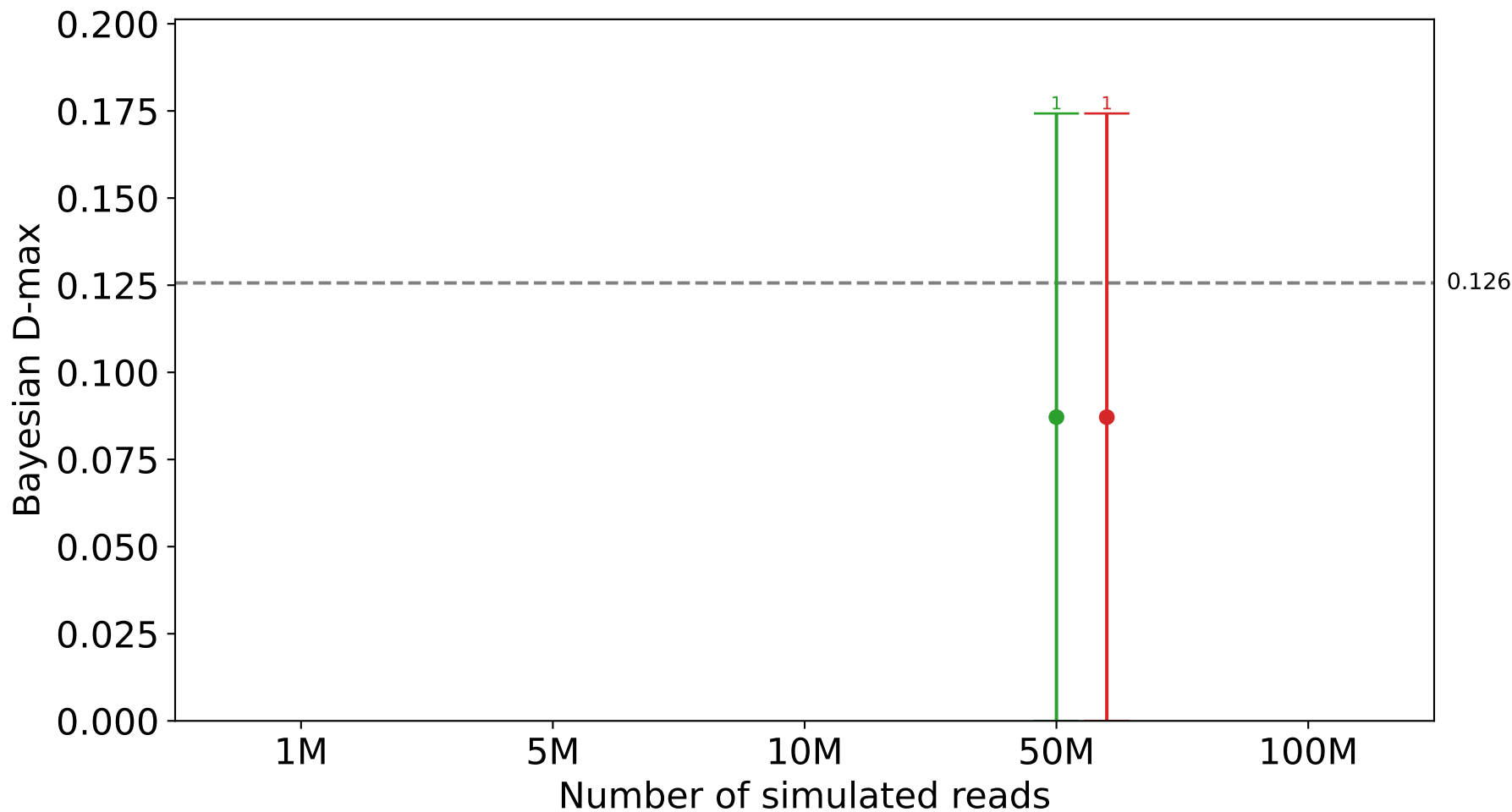
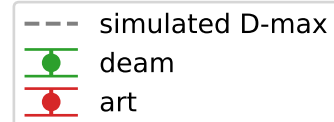
Only ancient: None

Cave-22, Tax ID: 144373  
s\_\_Cupressus tonkinensis



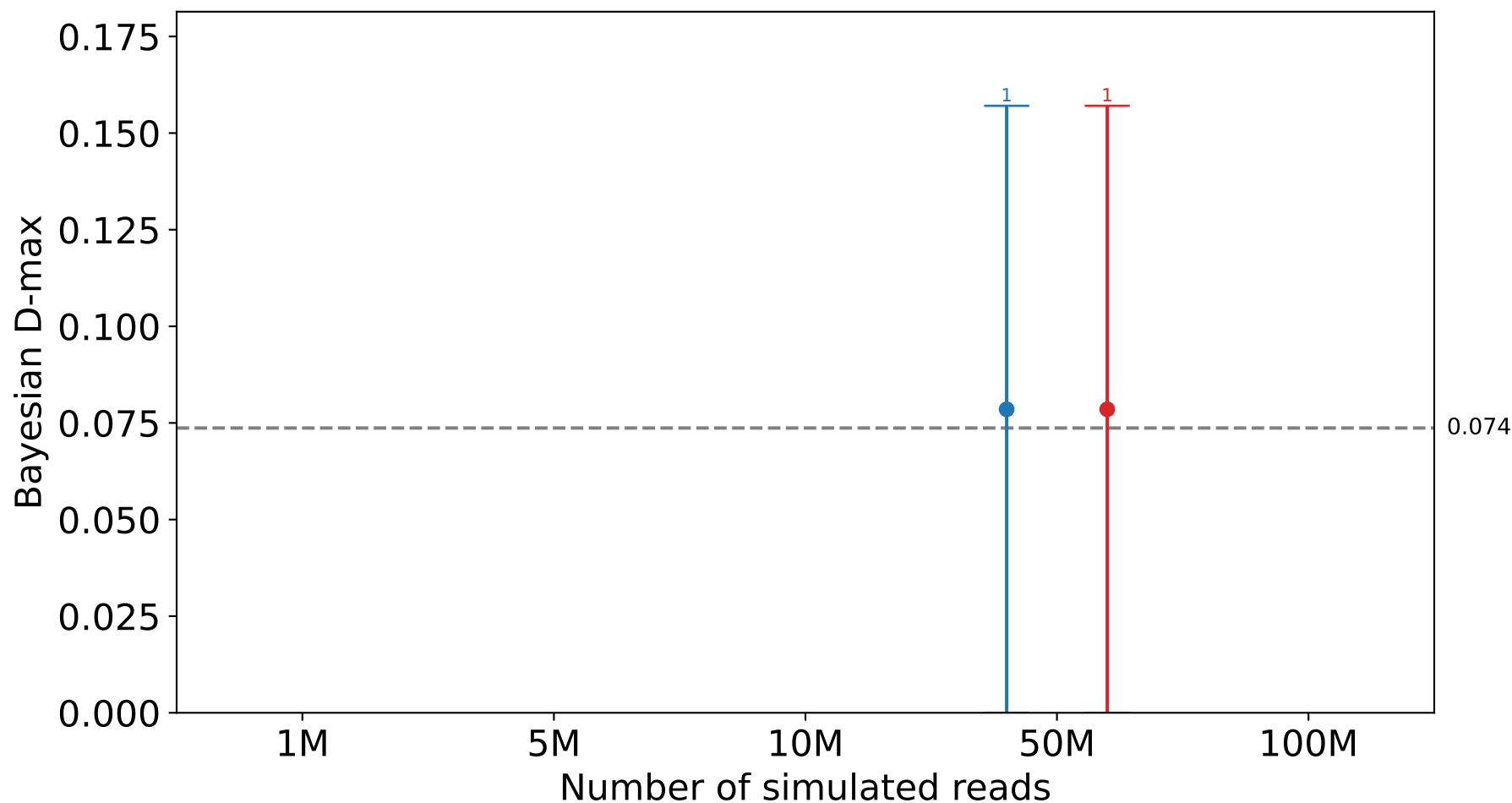
Only ancient: True

Cave-22, Tax ID: 138875  
s\_\_Chikusichloa aquatica



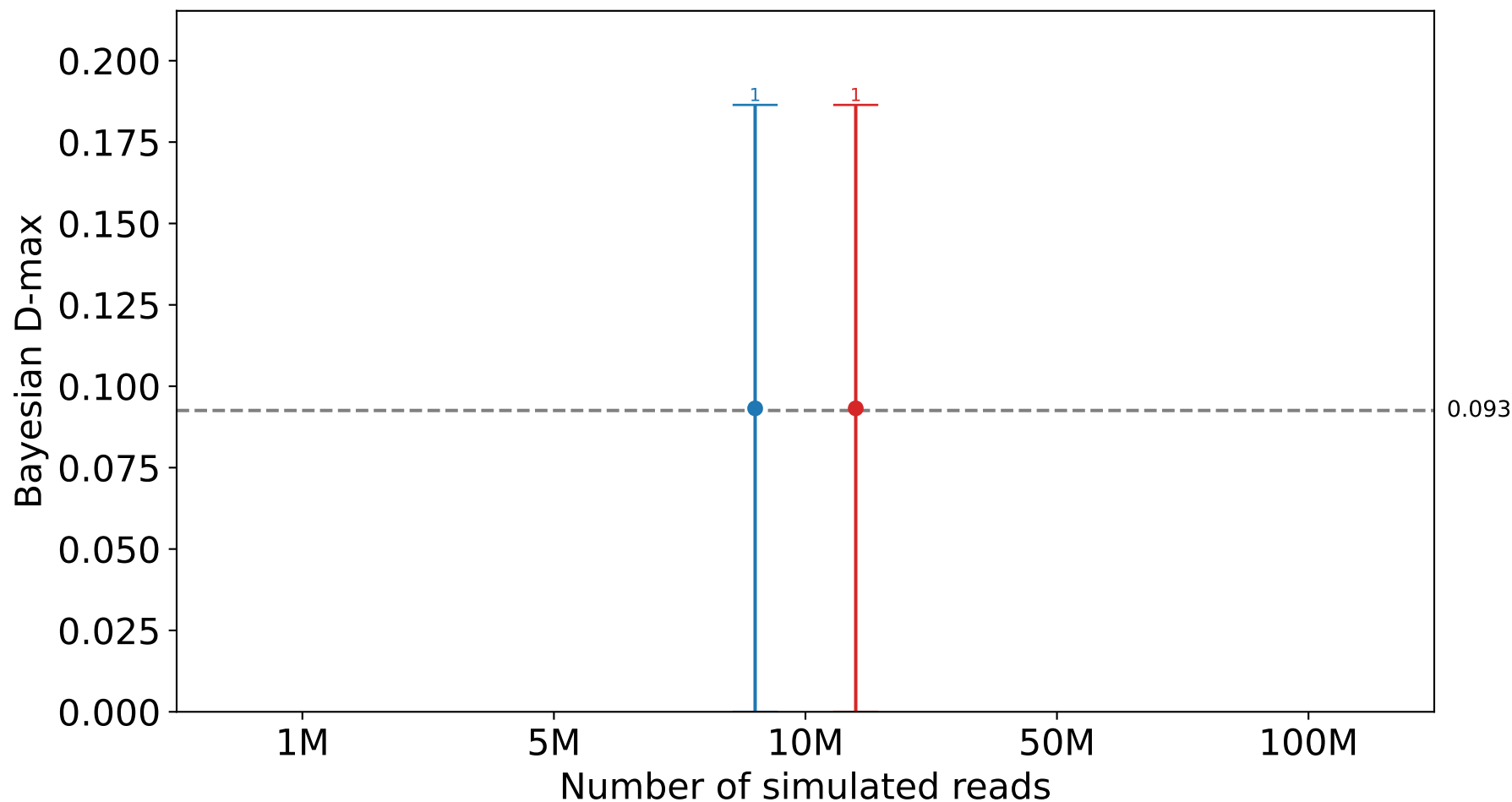
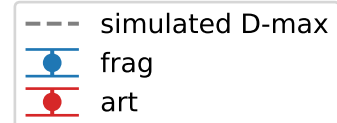
Only ancient: None

Cave-22, Tax ID: 146491  
s\_\_Saussurea tridactyla



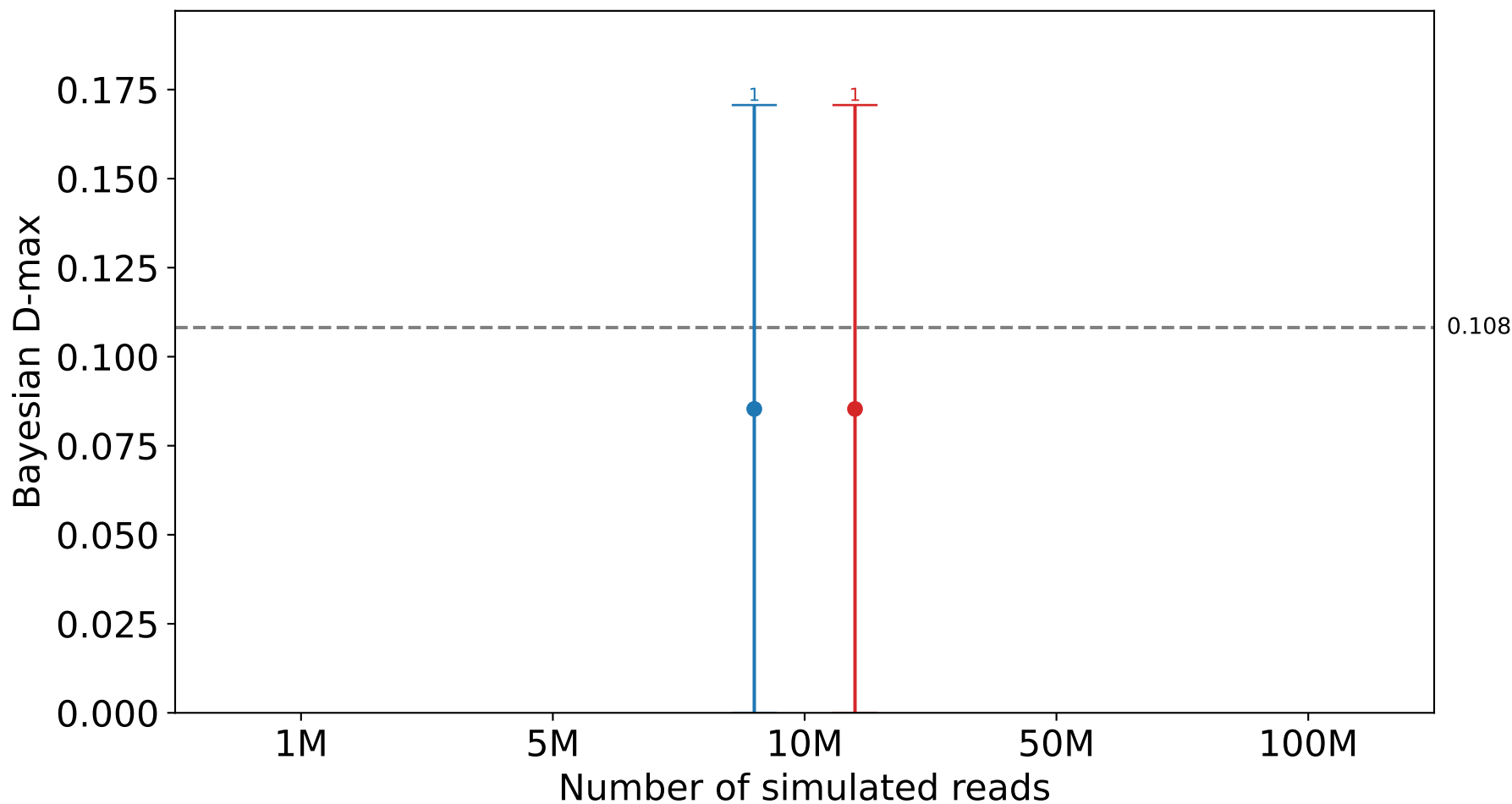
Only ancient: None

# Cave-22, Tax ID: 149870 s\_Malus kansuensis



Only ancient: None

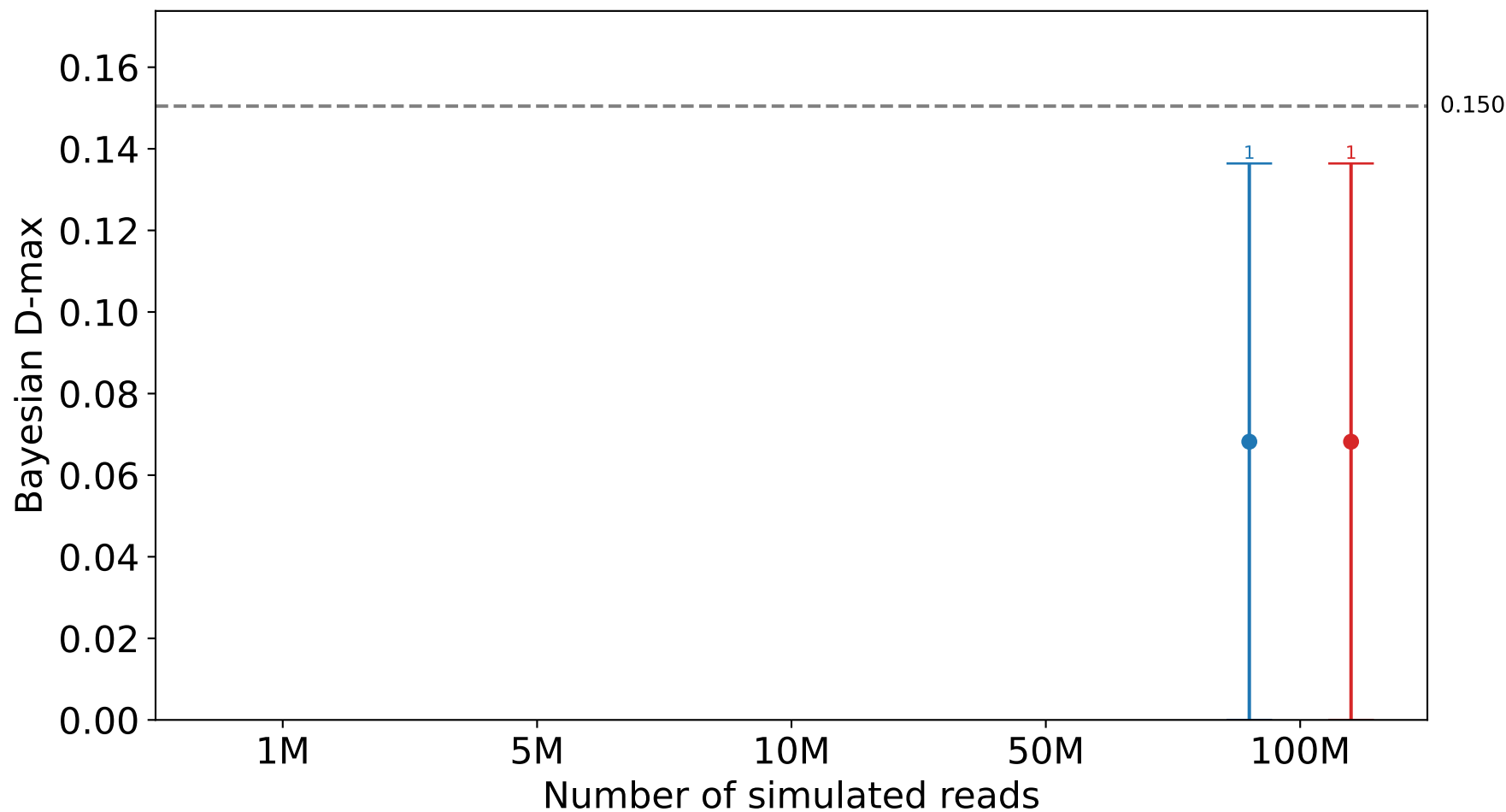
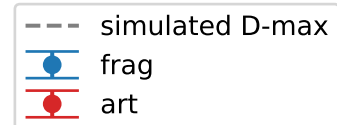
Cave-22, Tax ID: 148440  
s\_\_Ficus beipeiensis





Only ancient: None

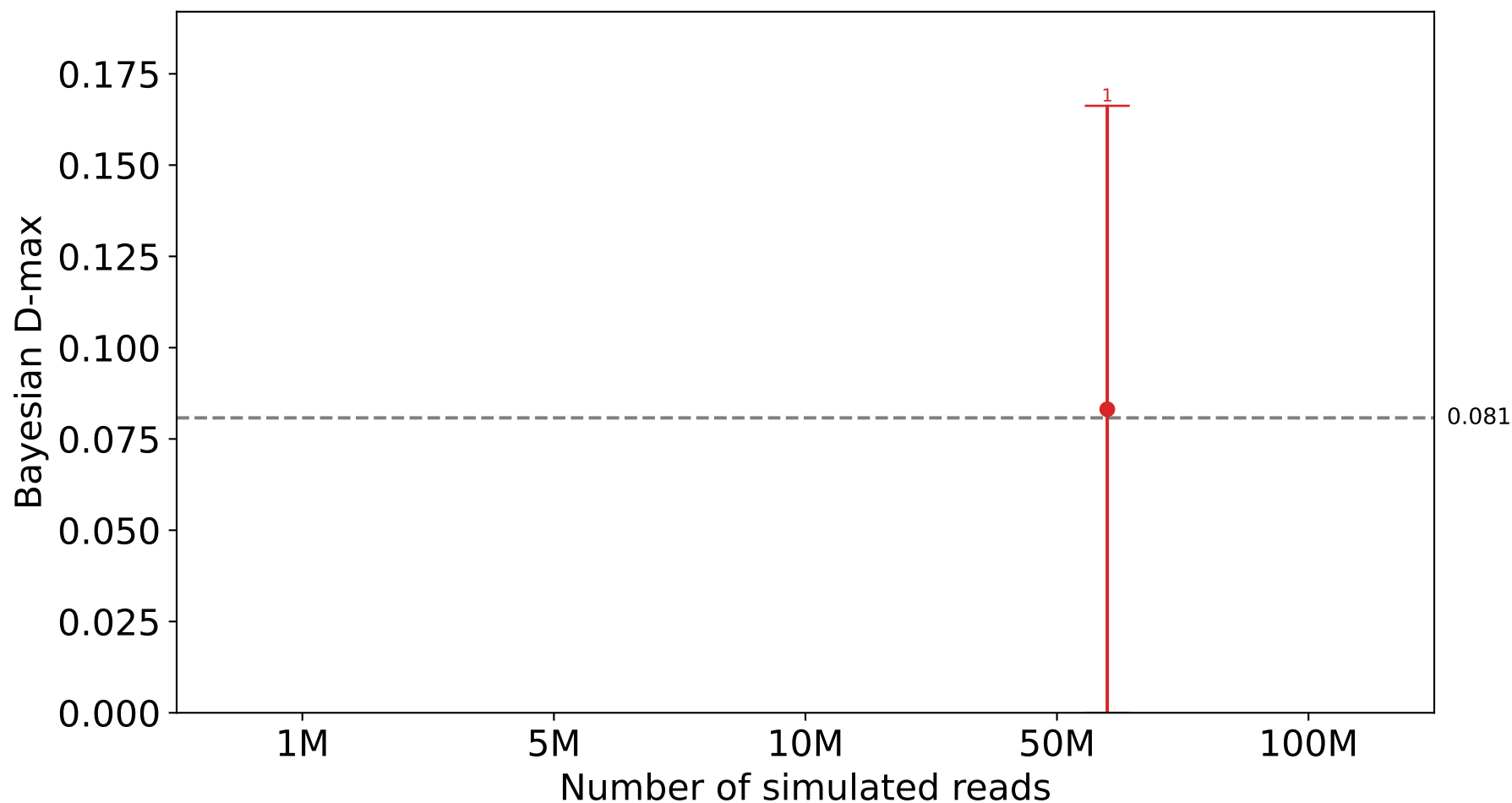
Cave-22, Tax ID: 151884  
s\_\_Camellia parvisepala



Only ancient: None

Cave-22, Tax ID: 141845  
s\_\_Oryza grandiglumis

--- simulated D-max  
art



Only ancient: None

# Cave-22, Tax ID: 150959 s\_\_Aldama vernonioides

--- simulated D-max  
art

