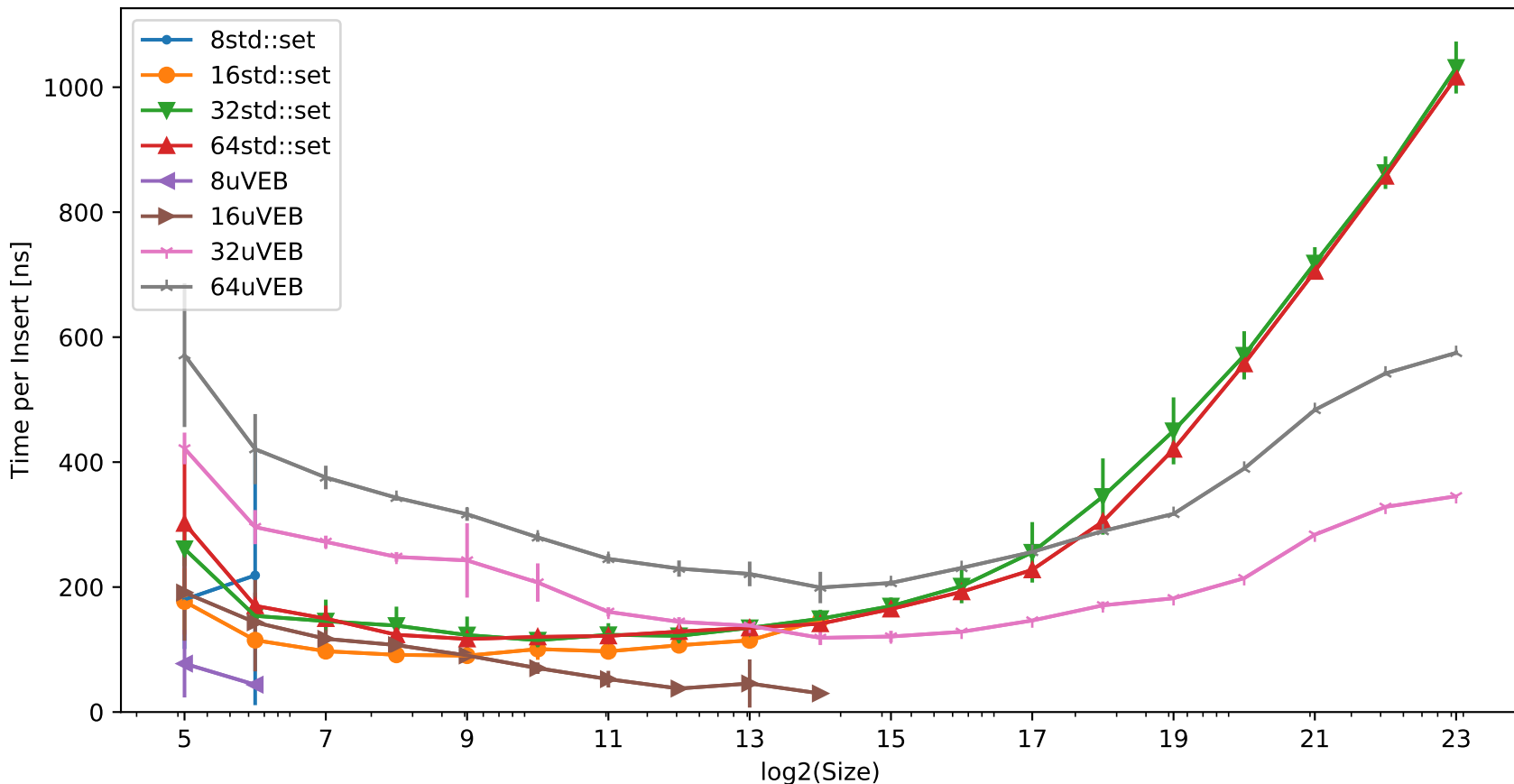{K}std::set = std::set<uint{K}_t>, {K}uVEB = VanEmdeBoas<{K}>, {K}VEB = VanEmdeBoas<{K}, int{K}_t>, uVEB32 = VanEmdeBoas32<>, 32uVEBL = VanEmdeBoasLocked<32>, uVEB32L = VanEmdeBoas32Locked<>, uVEB32LT = VanEmdeBoas32LockedTop<>, uVEB32LFG = VanEmdeBoas32LockedFineGrained<>, uVEB32LL = VanEmdeBoas32Lockless.
No #defines => sf::contention_free_shared_mutex is used often; also bytell_hash_map by Malte Skarupke is used for VanEmdeBoas and VanEmdeBoasLocked (not VanEmdeBoas32 and its parallel variants)
Random distributions: uniform, cluster = random placed clusters with 1000 succeeding elements, normal = normal distribution with mean ~0/2^31 for signed/unsigned and std (2^31)/10, incProb = linear increasing probability where the smallest value has probability 0, decProb = linear decreasing probability where the largest value has probability 0
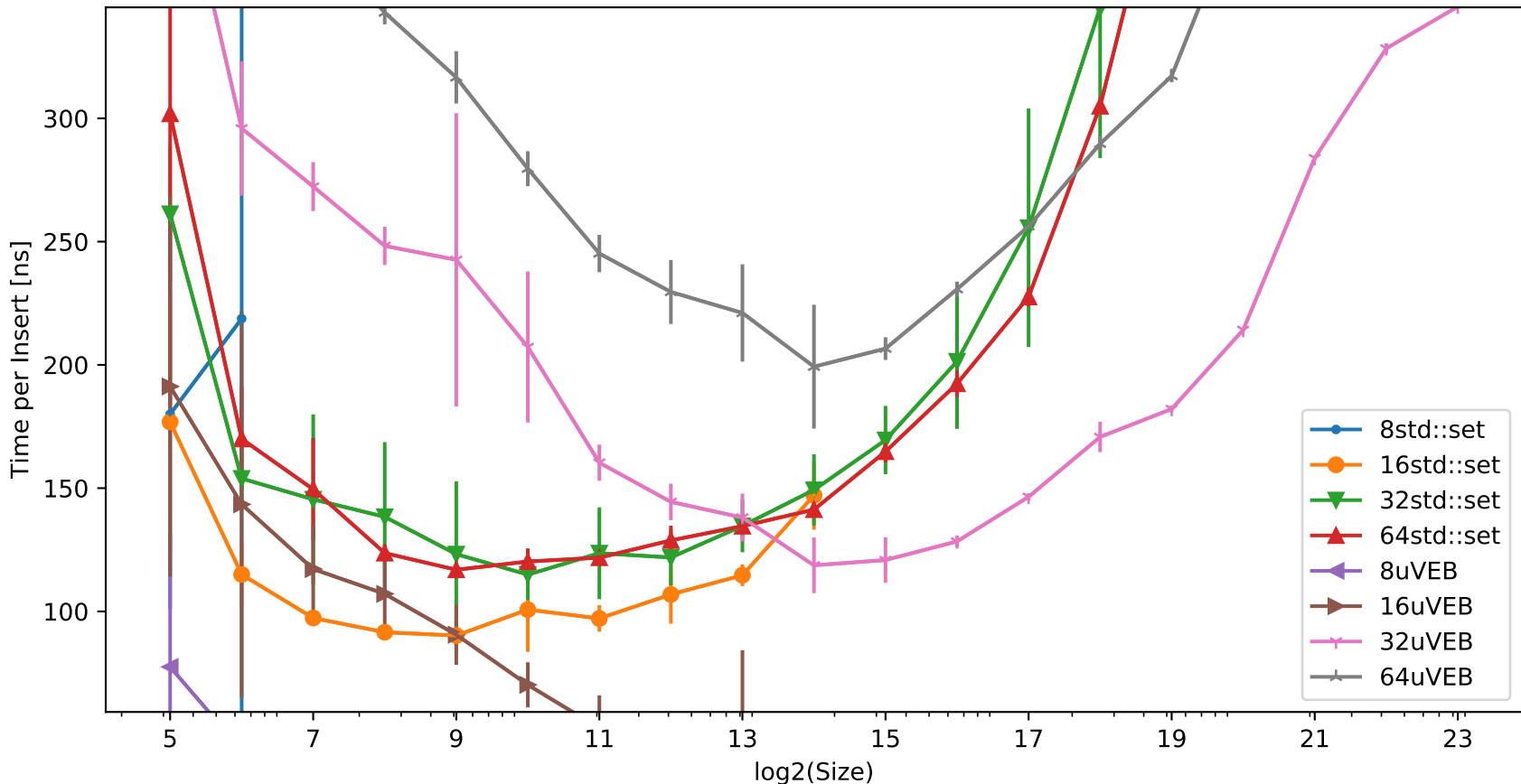There are ten iterations for each data point.
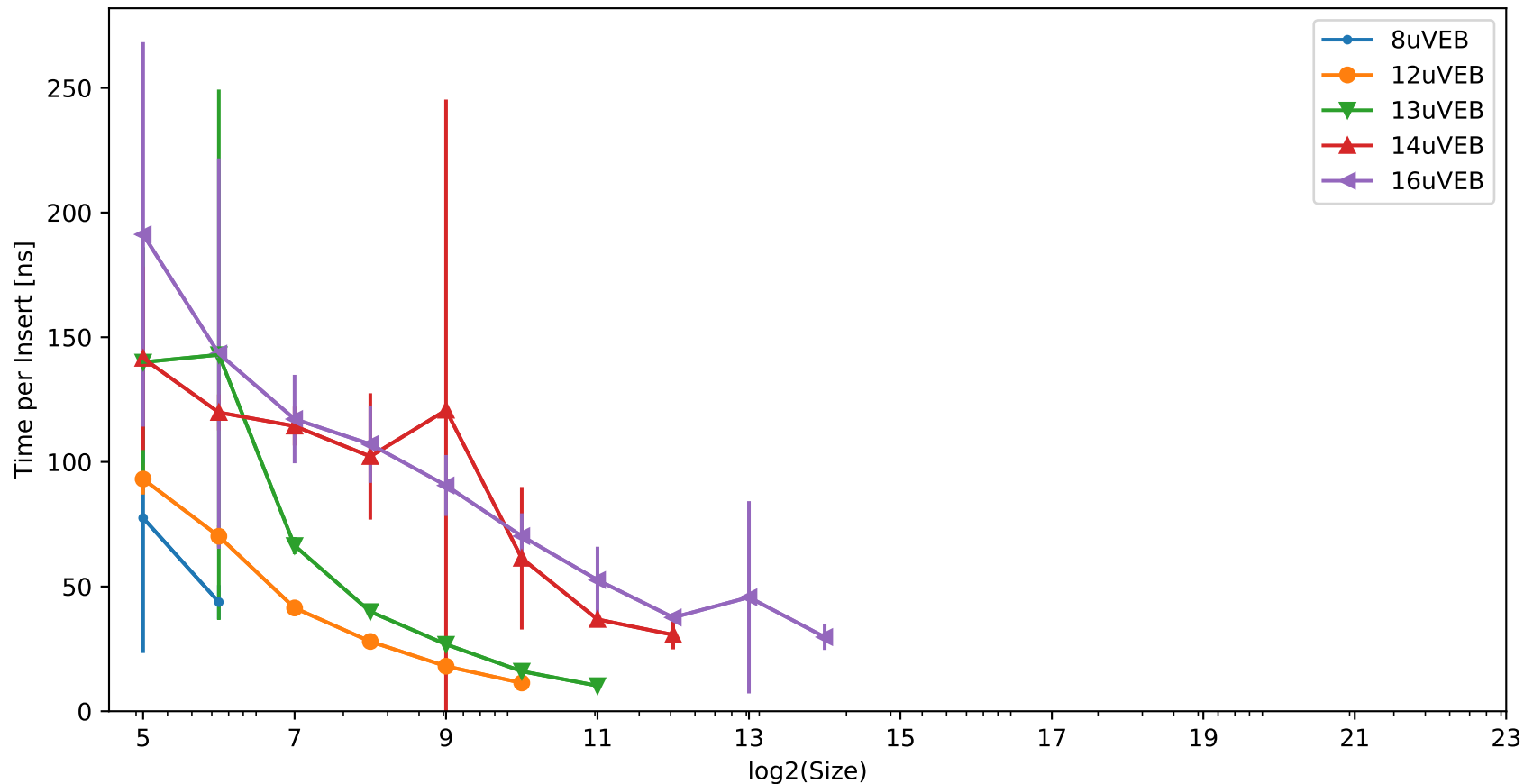Hardware: i7-7700HQ, 16GB DDR4 Windows Laptop

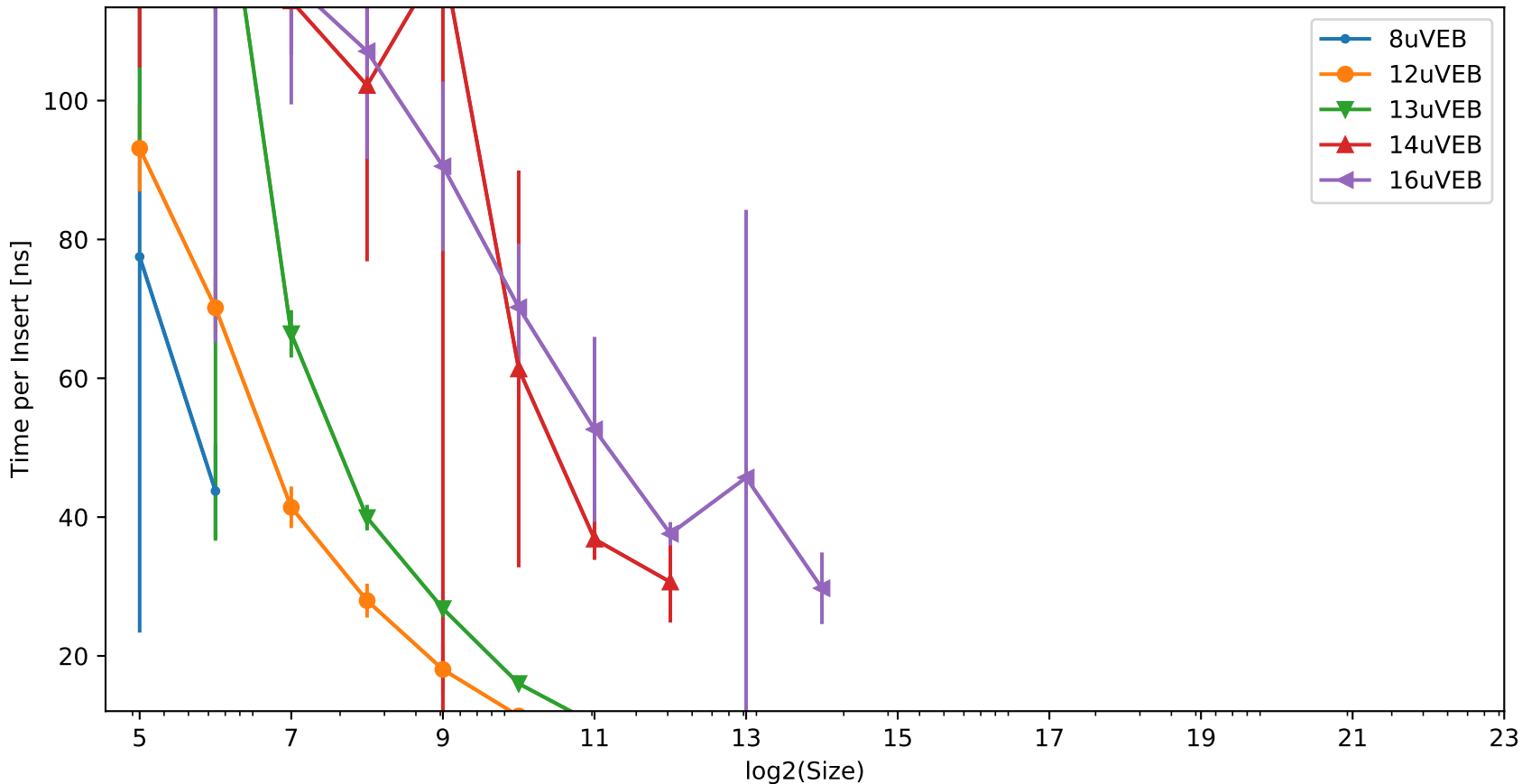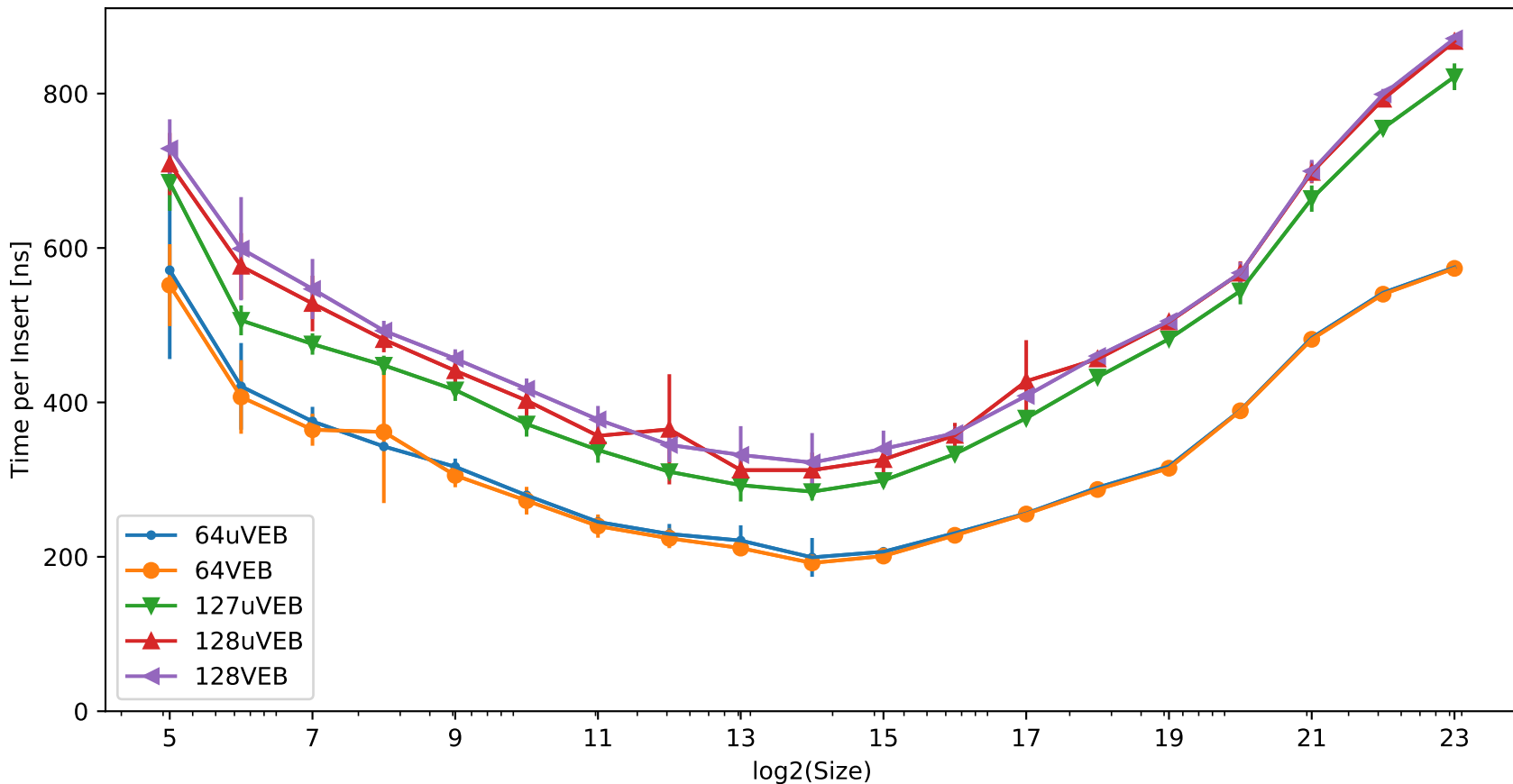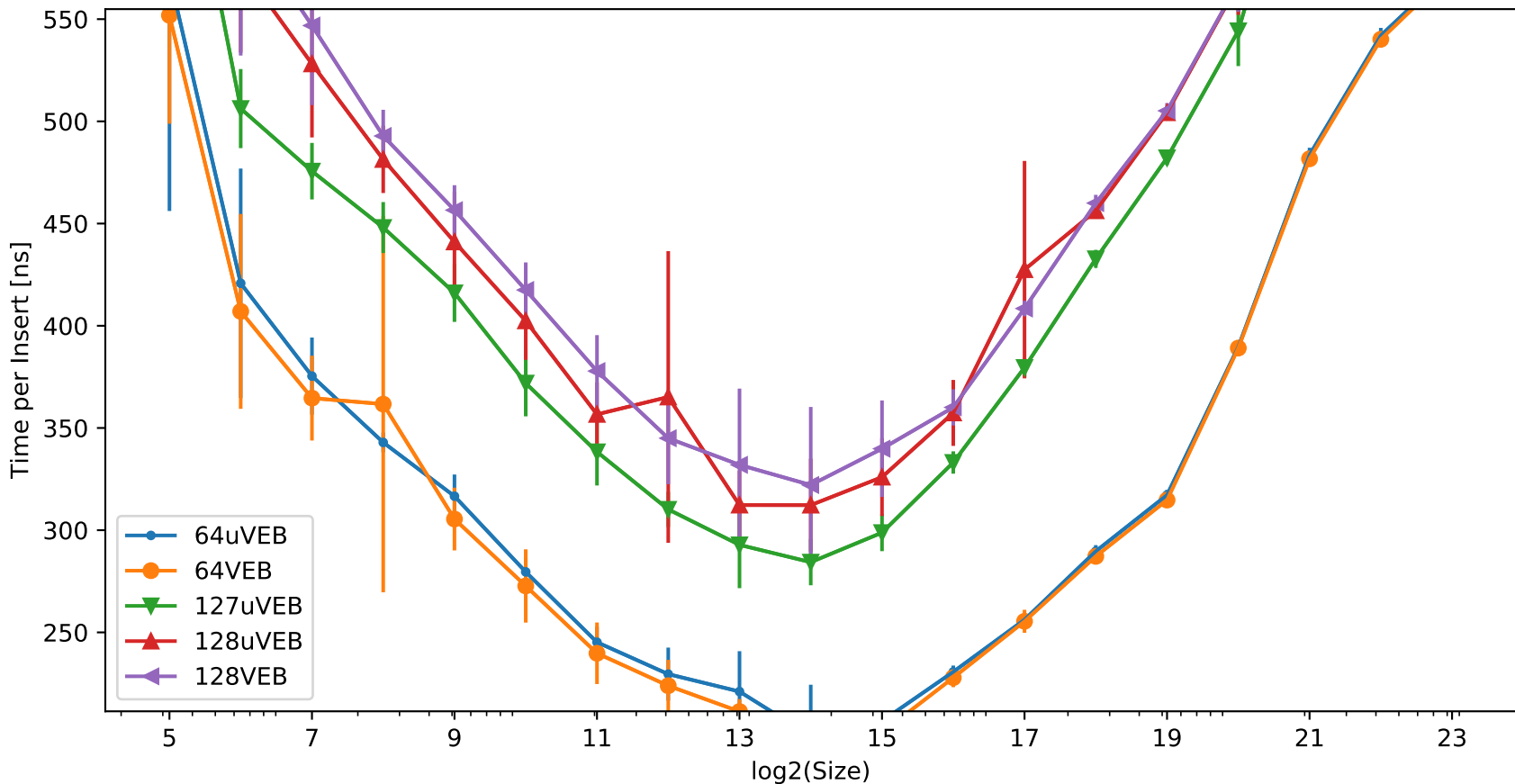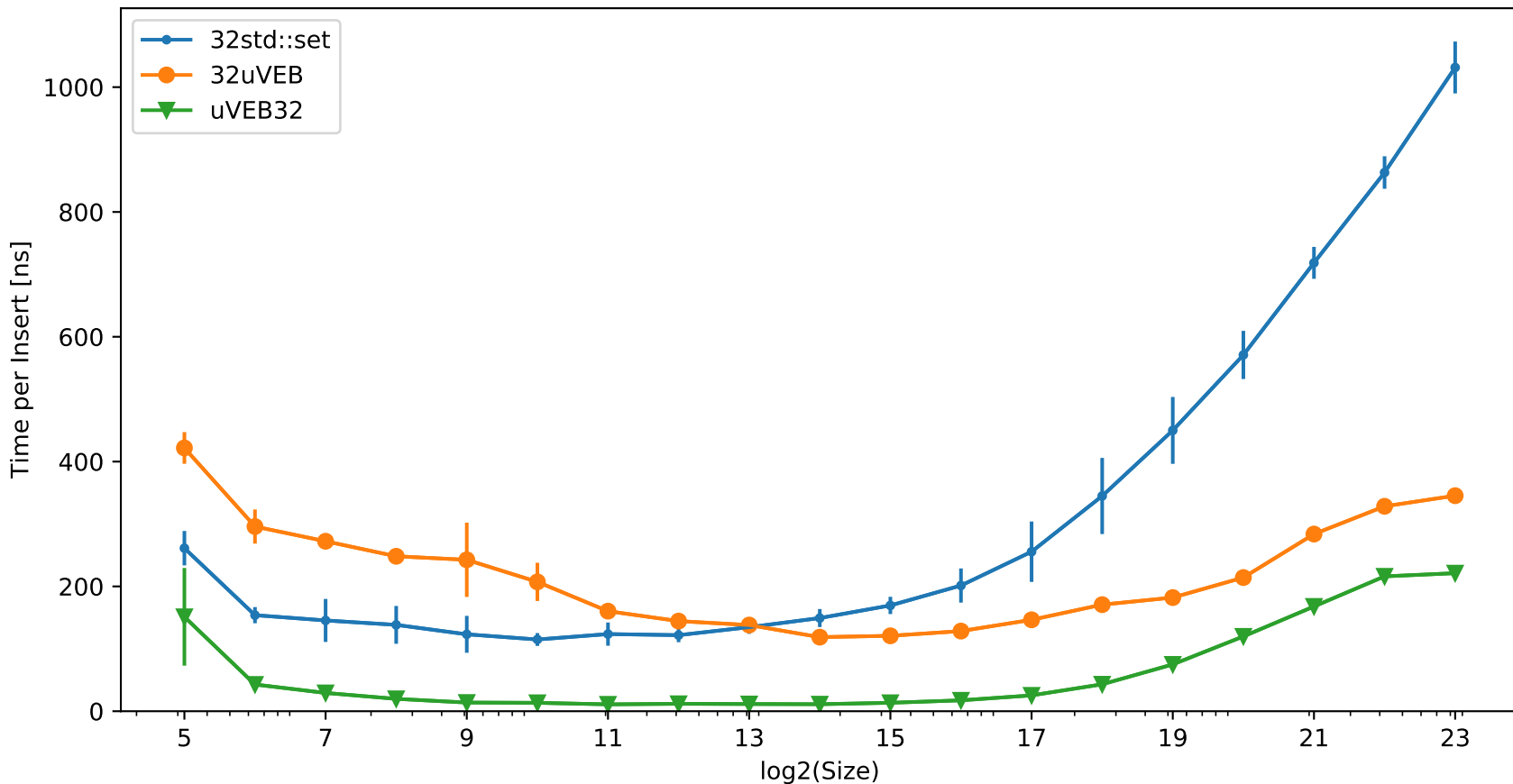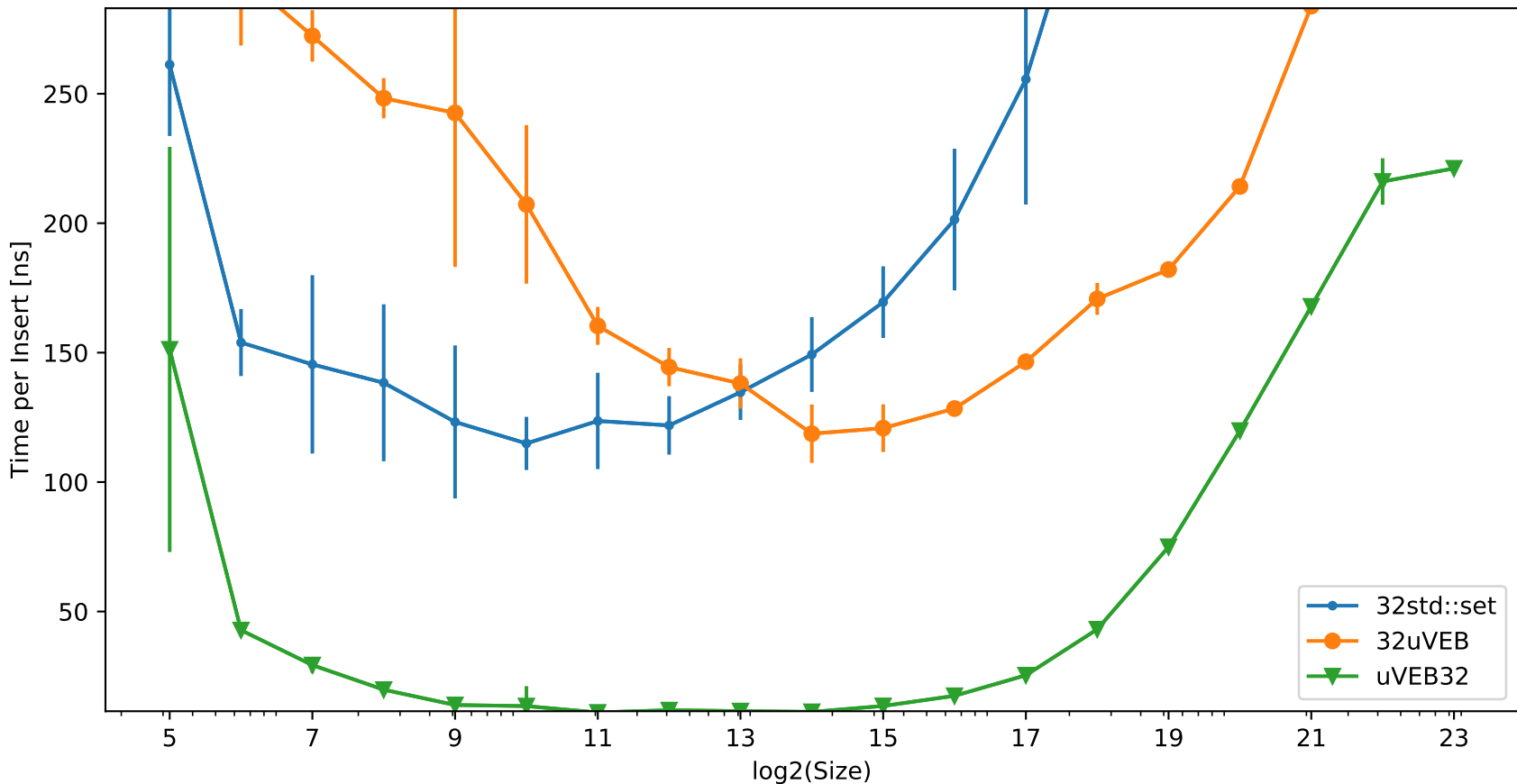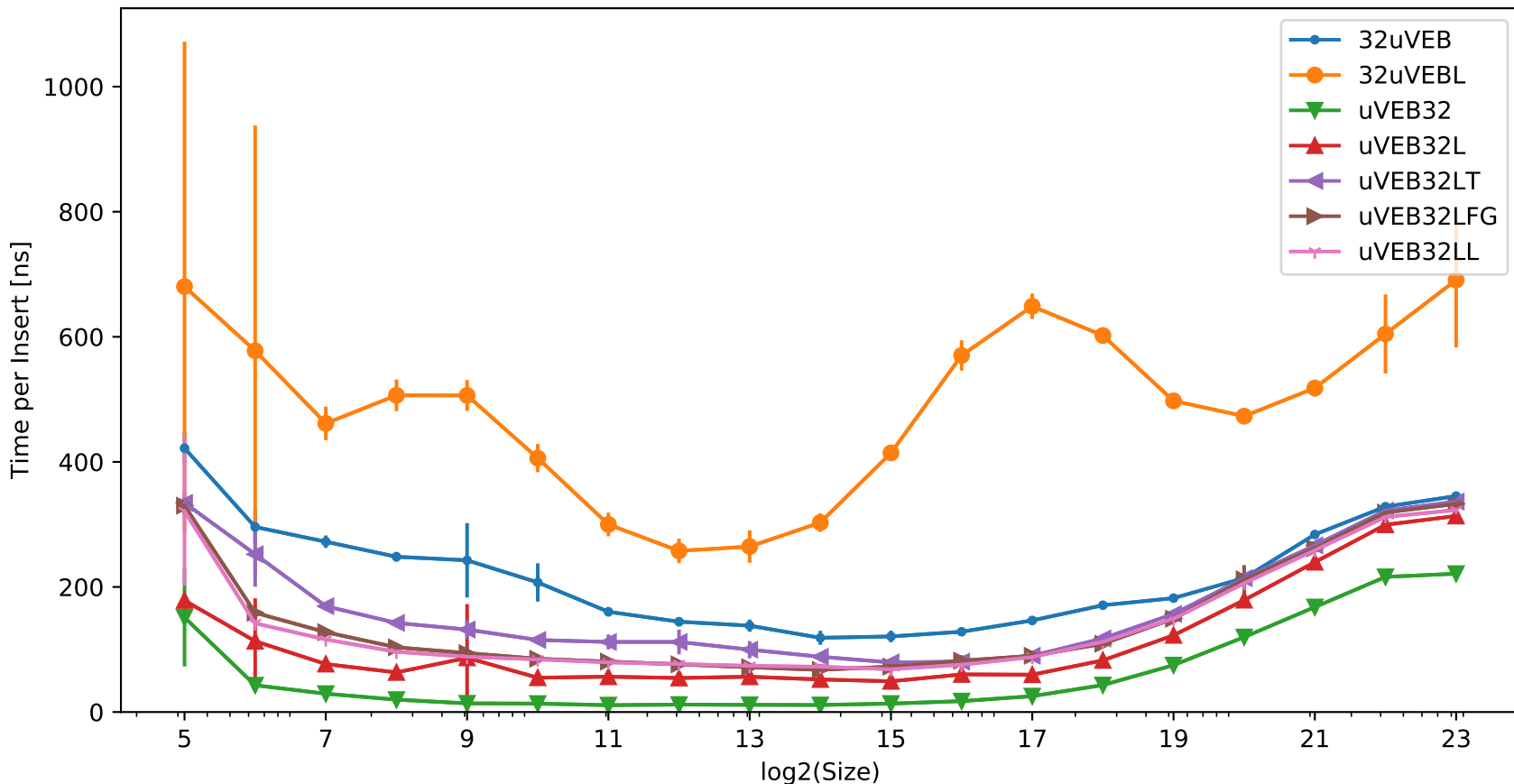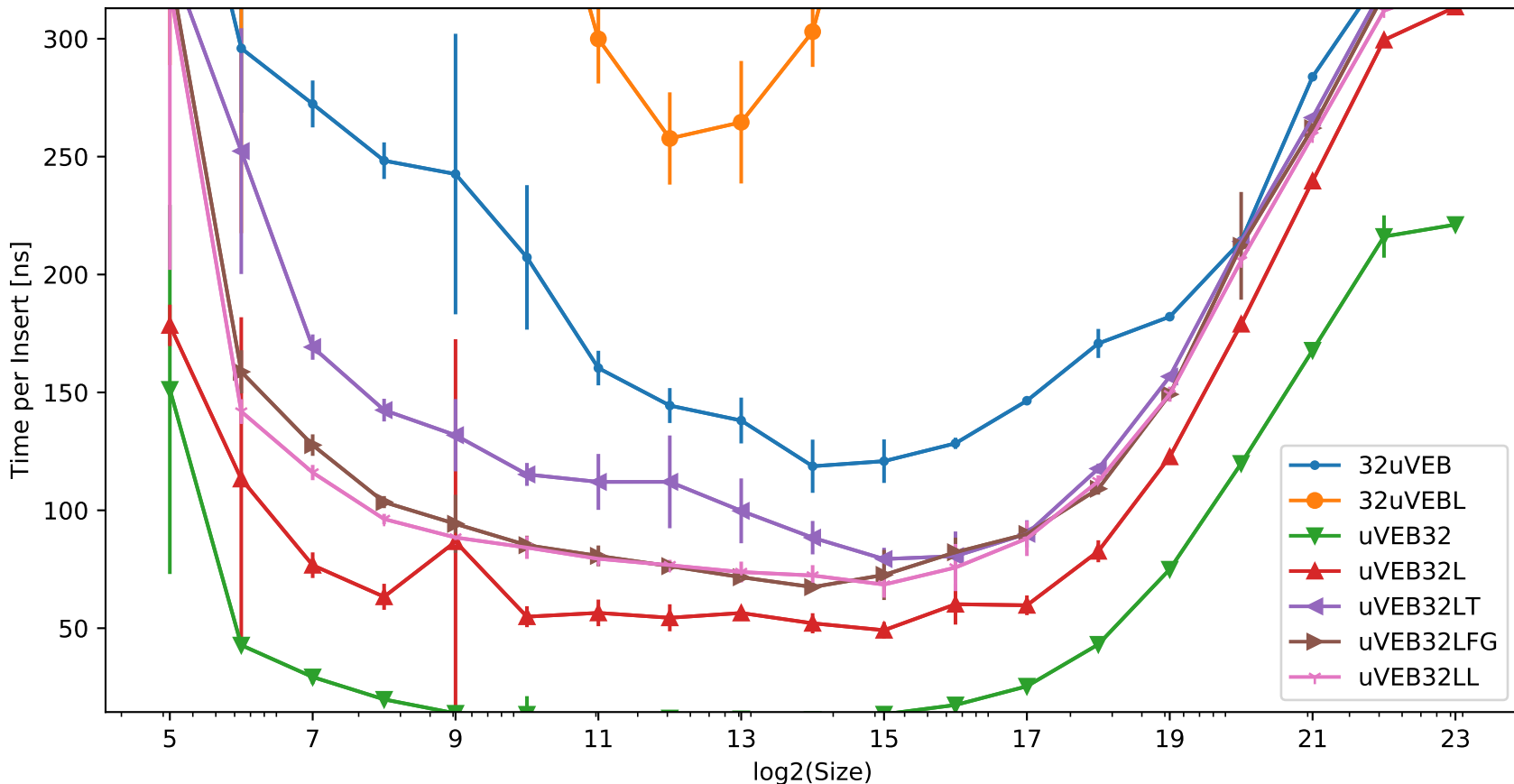Time to Insert 'Size' Elements (uniform distribution)

Time to Insert 'Size' Elements (Zoomed in; uniform distribution)

Time to Insert 'Size' Elements (uniform distribution)

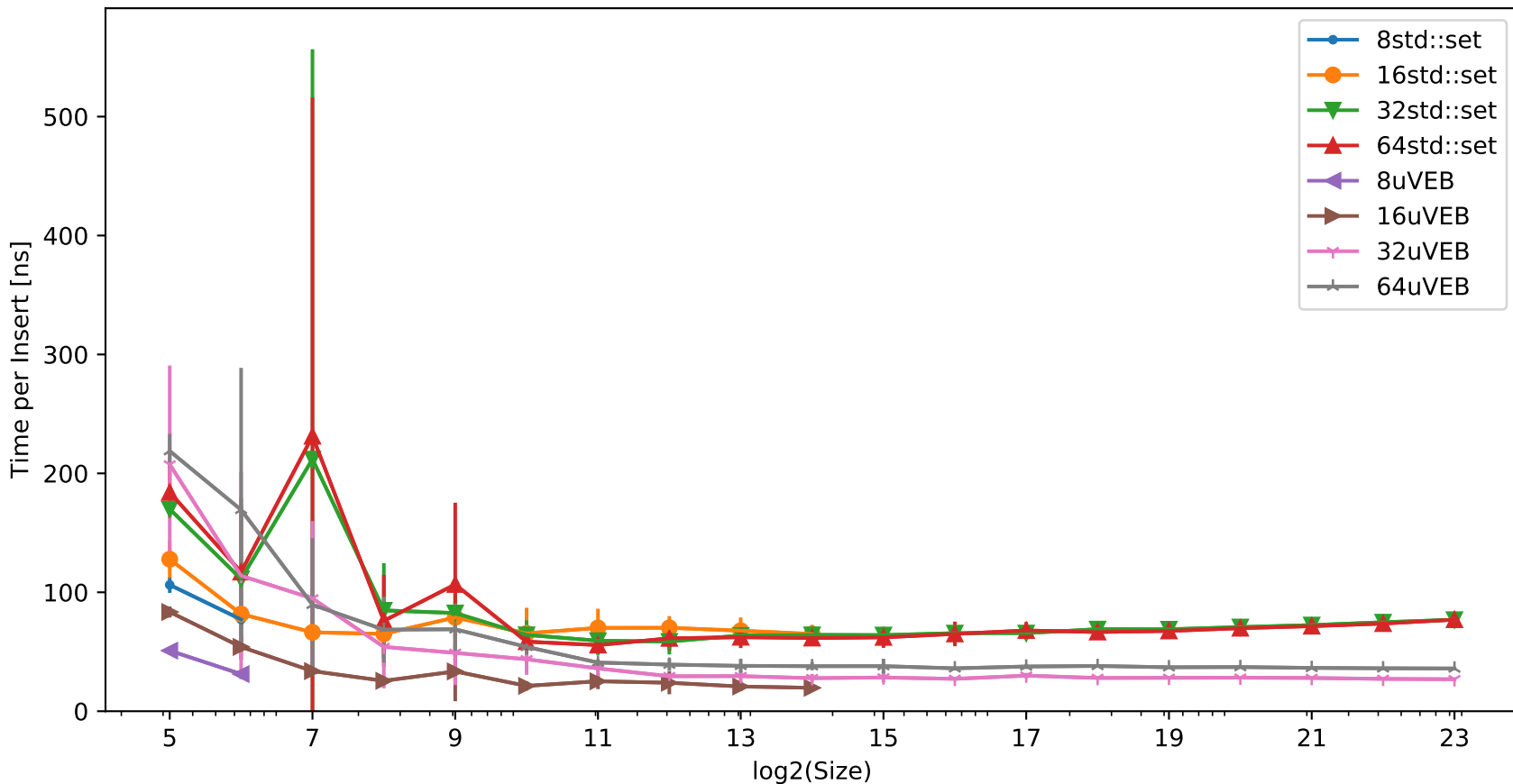Time to Insert 'Size' Elements (Zoomed in; uniform distribution)

Time to Insert 'Size' Elements (uniform distribution)

Time to Insert 'Size' Elements (Zoomed in; uniform distribution)

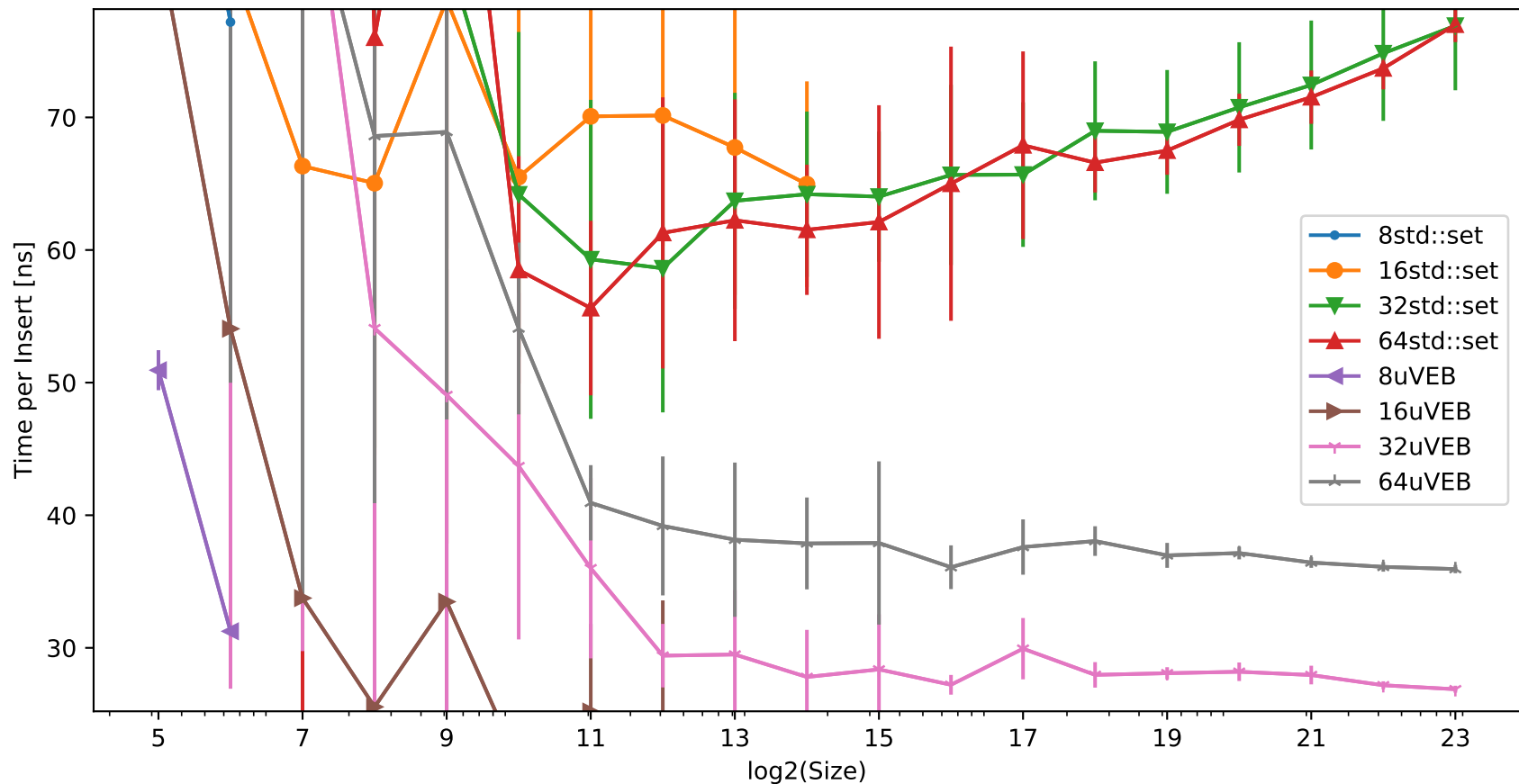Time to Insert 'Size' Elements (uniform distribution)

Time to Insert 'Size' Elements (Zoomed in; uniform distribution)

Time to Insert 'Size' Elements (uniform distribution)

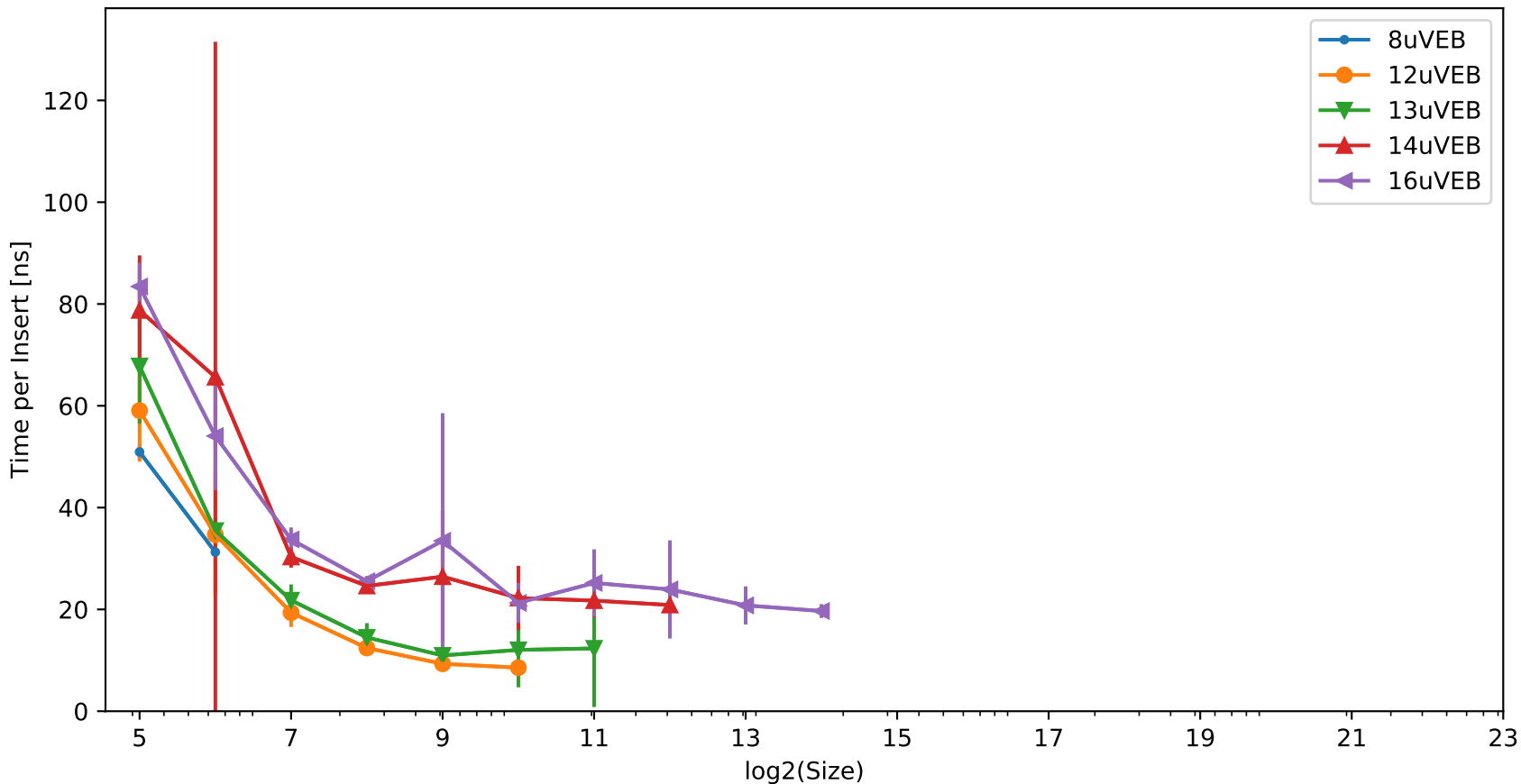Time to Insert 'Size' Elements (Zoomed in; uniform distribution)

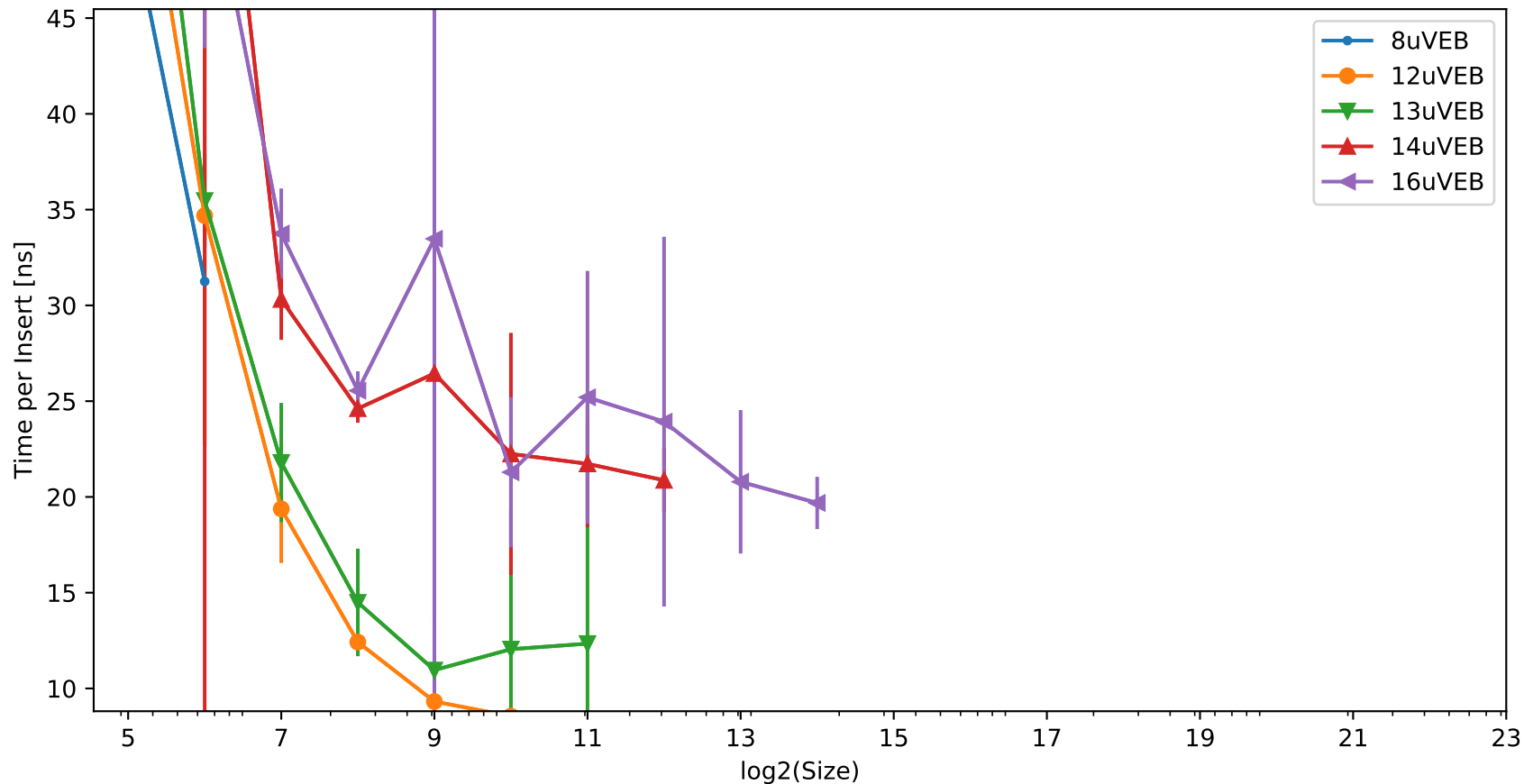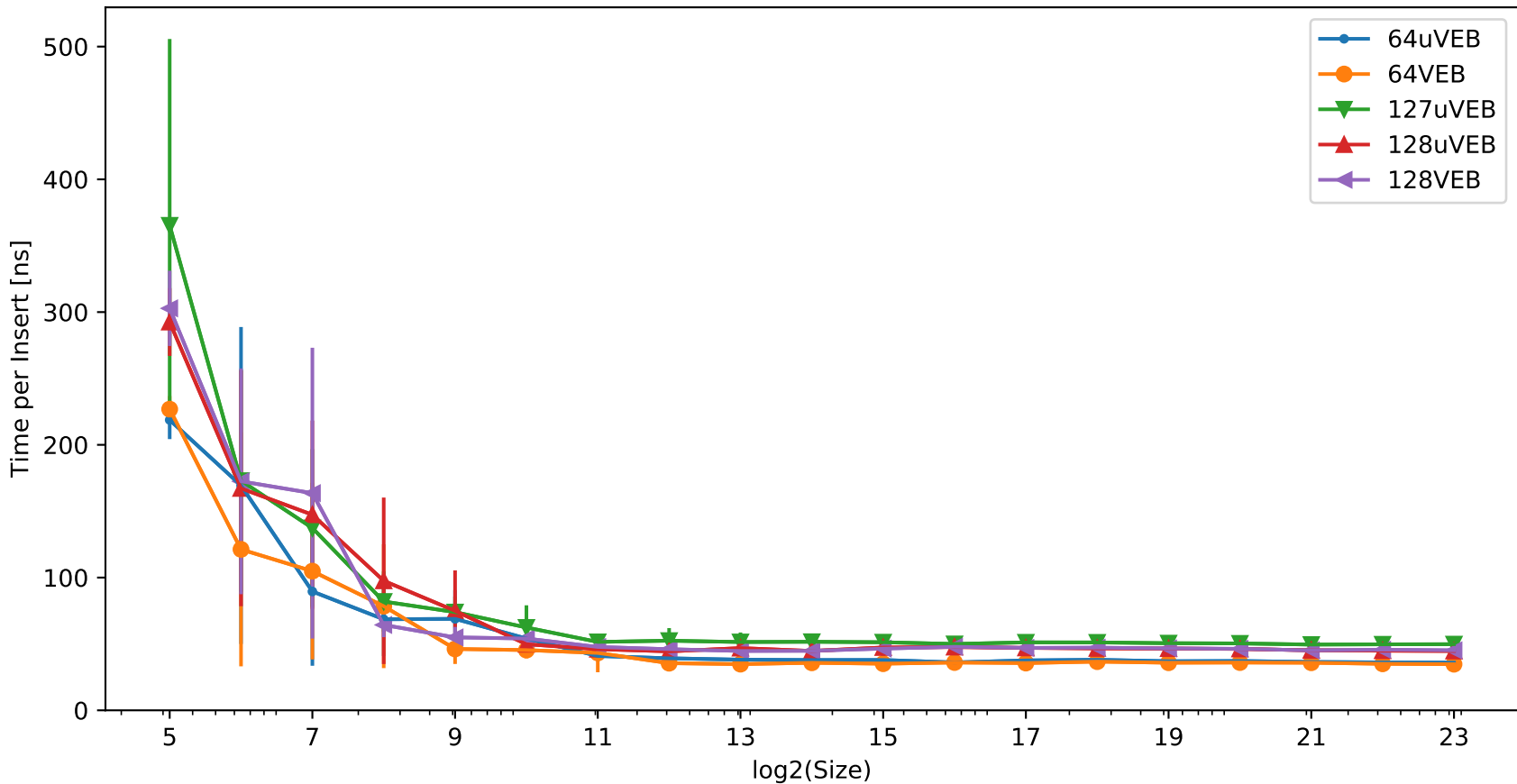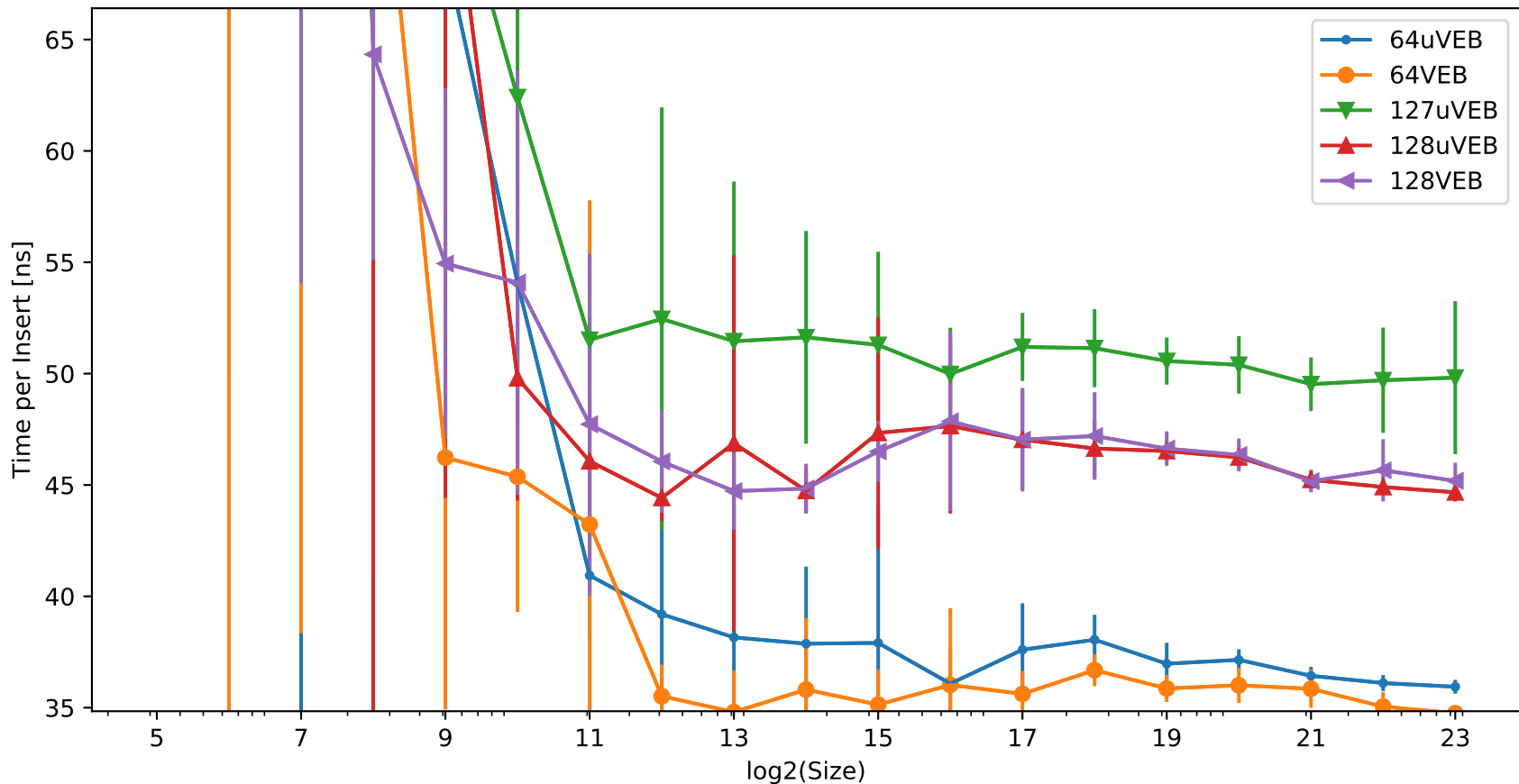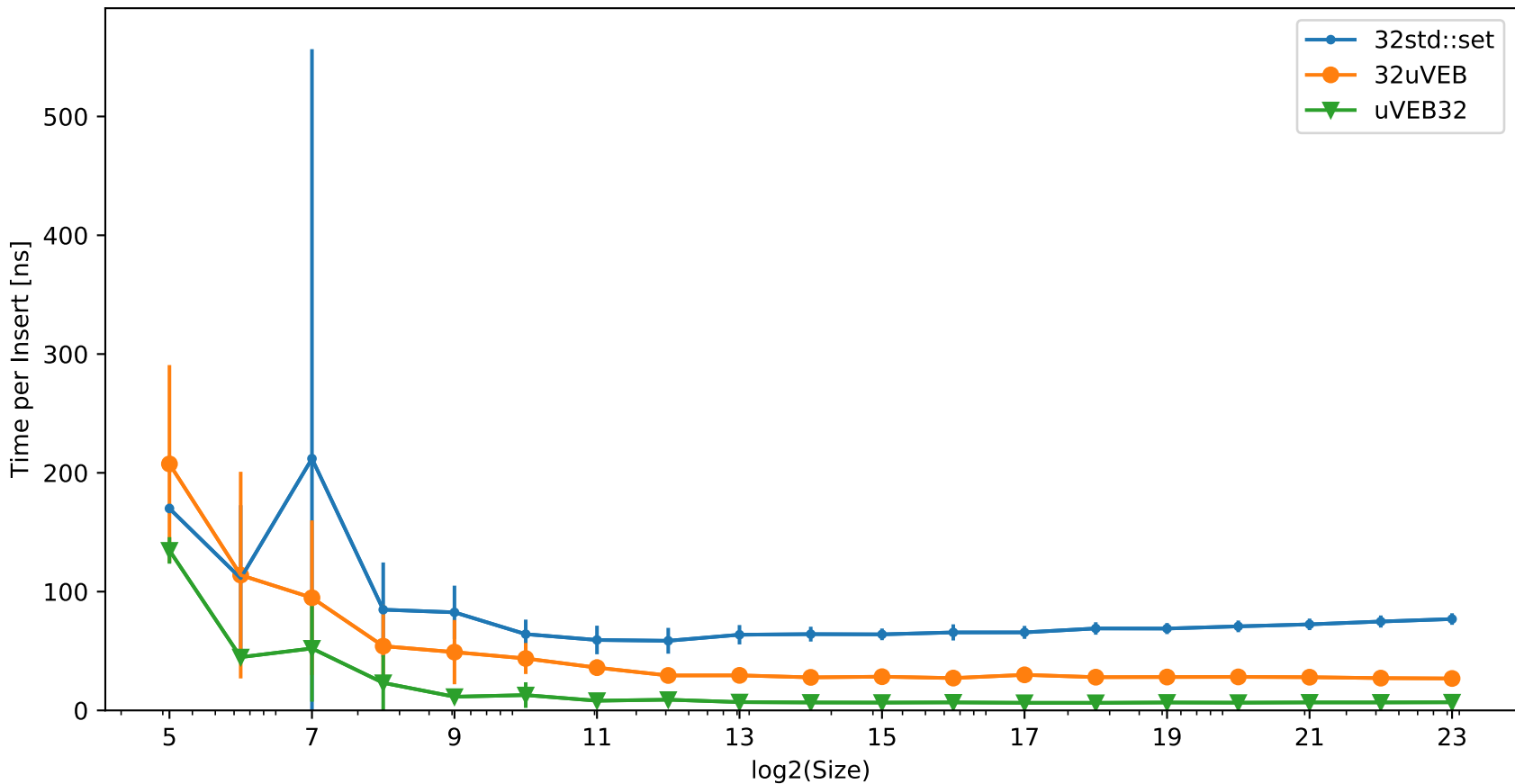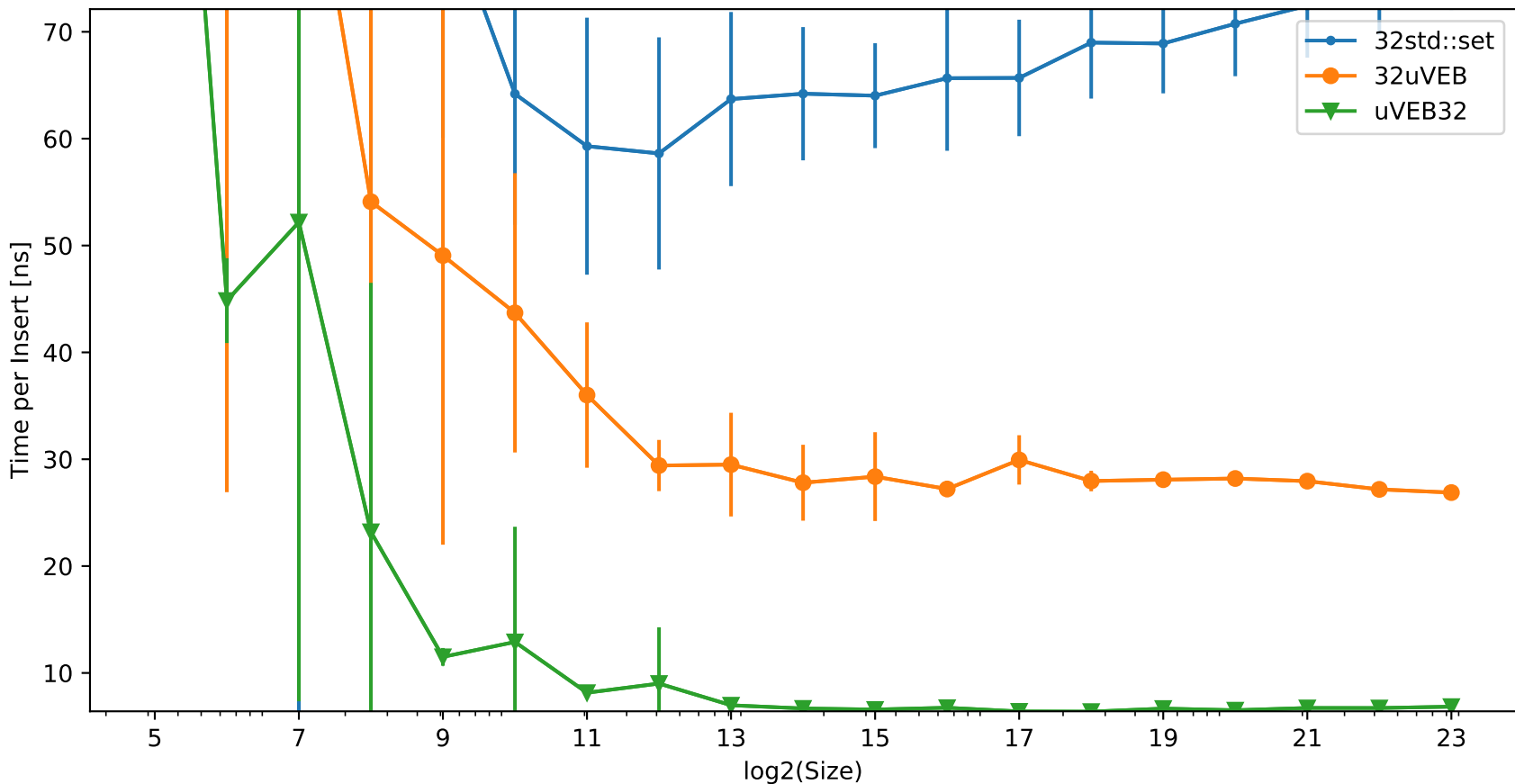Time to Insert 'Size' Elements (cluster distribution)

Time to Insert 'Size' Elements (Zoomed in; cluster distribution)

Time to Insert 'Size' Elements (cluster distribution)

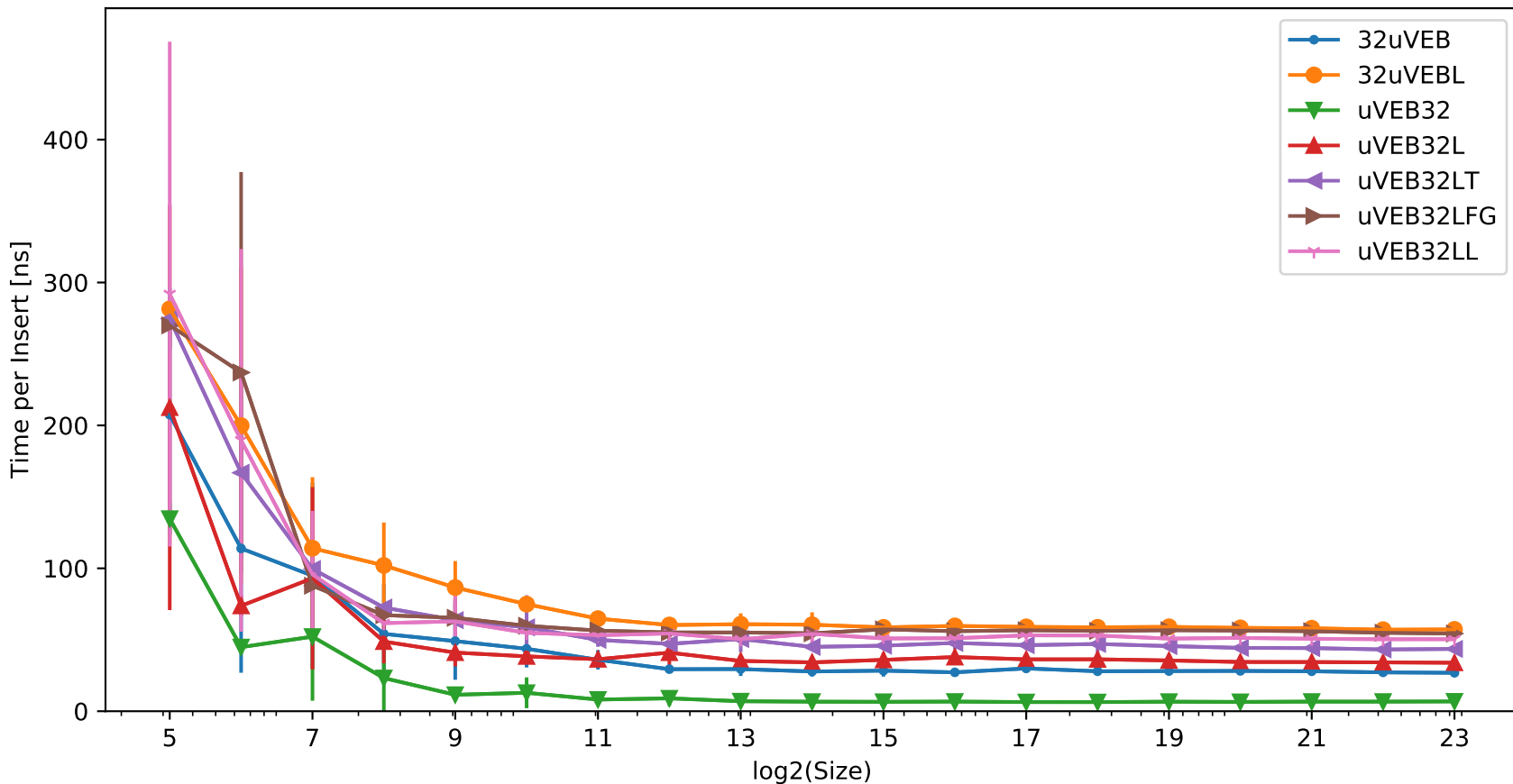Time to Insert 'Size' Elements (Zoomed in; cluster distribution)

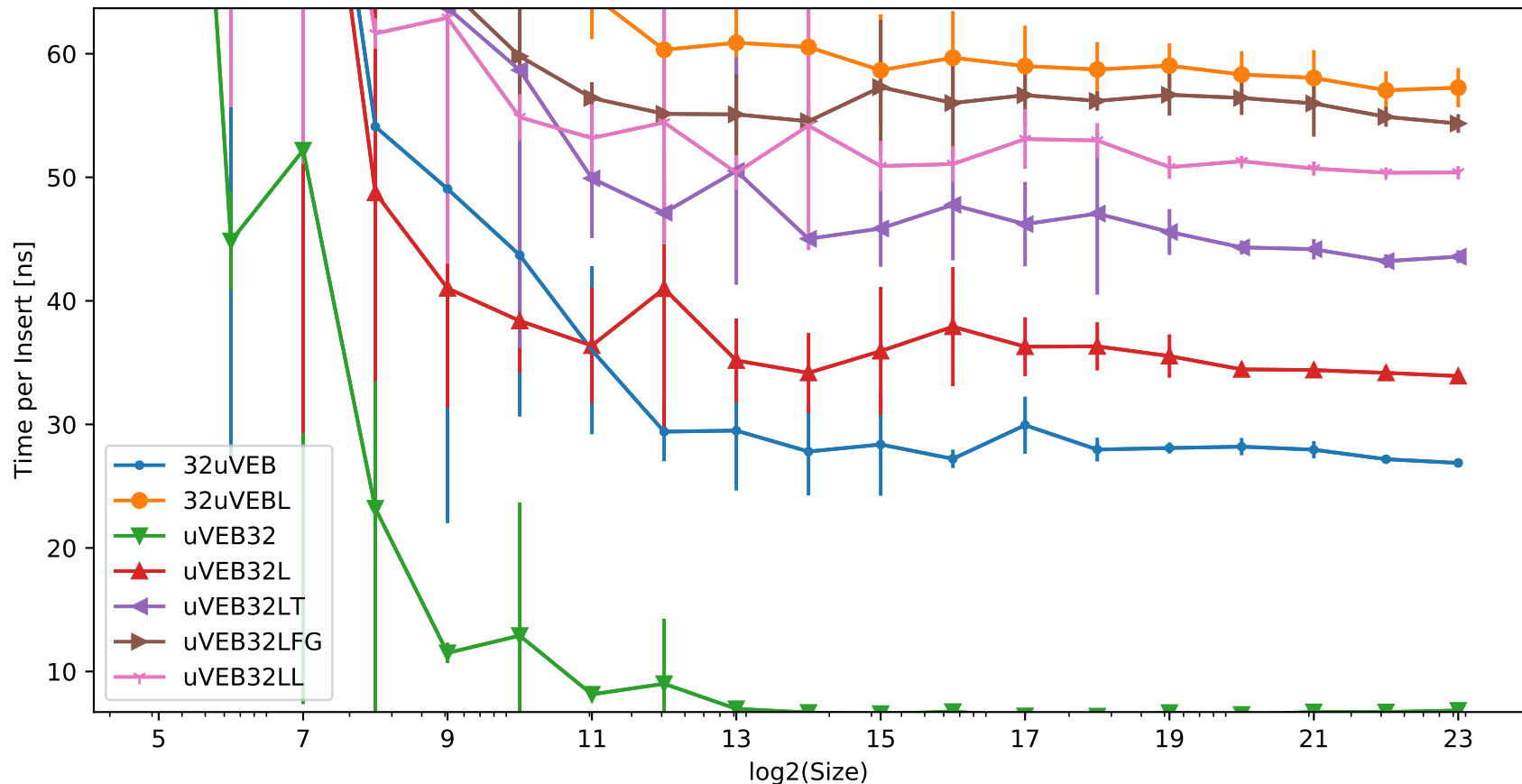Time to Insert 'Size' Elements (cluster distribution)

Time to Insert 'Size' Elements (Zoomed in; cluster distribution)

Time to Insert 'Size' Elements (cluster distribution)

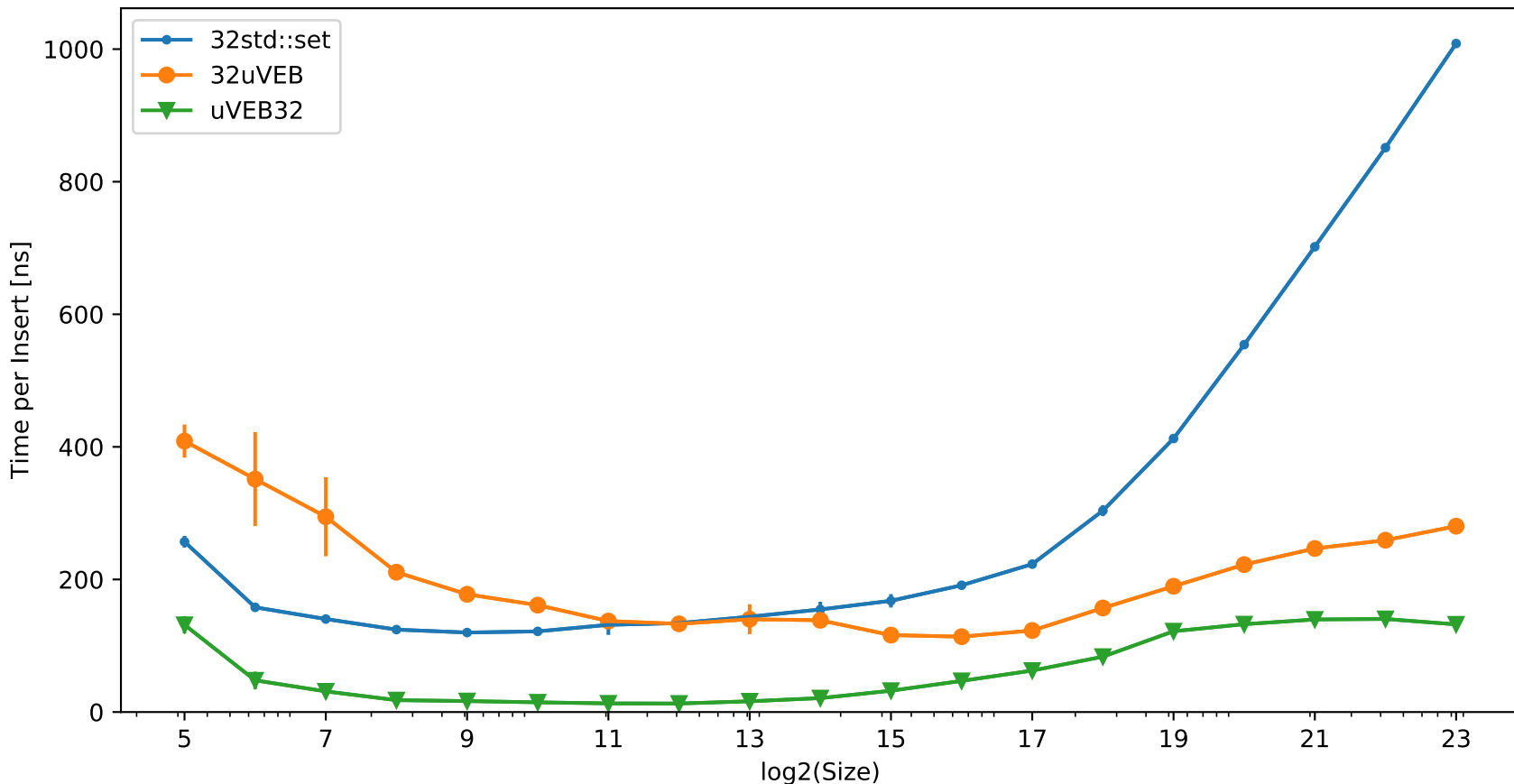Time to Insert 'Size' Elements (Zoomed in; cluster distribution)

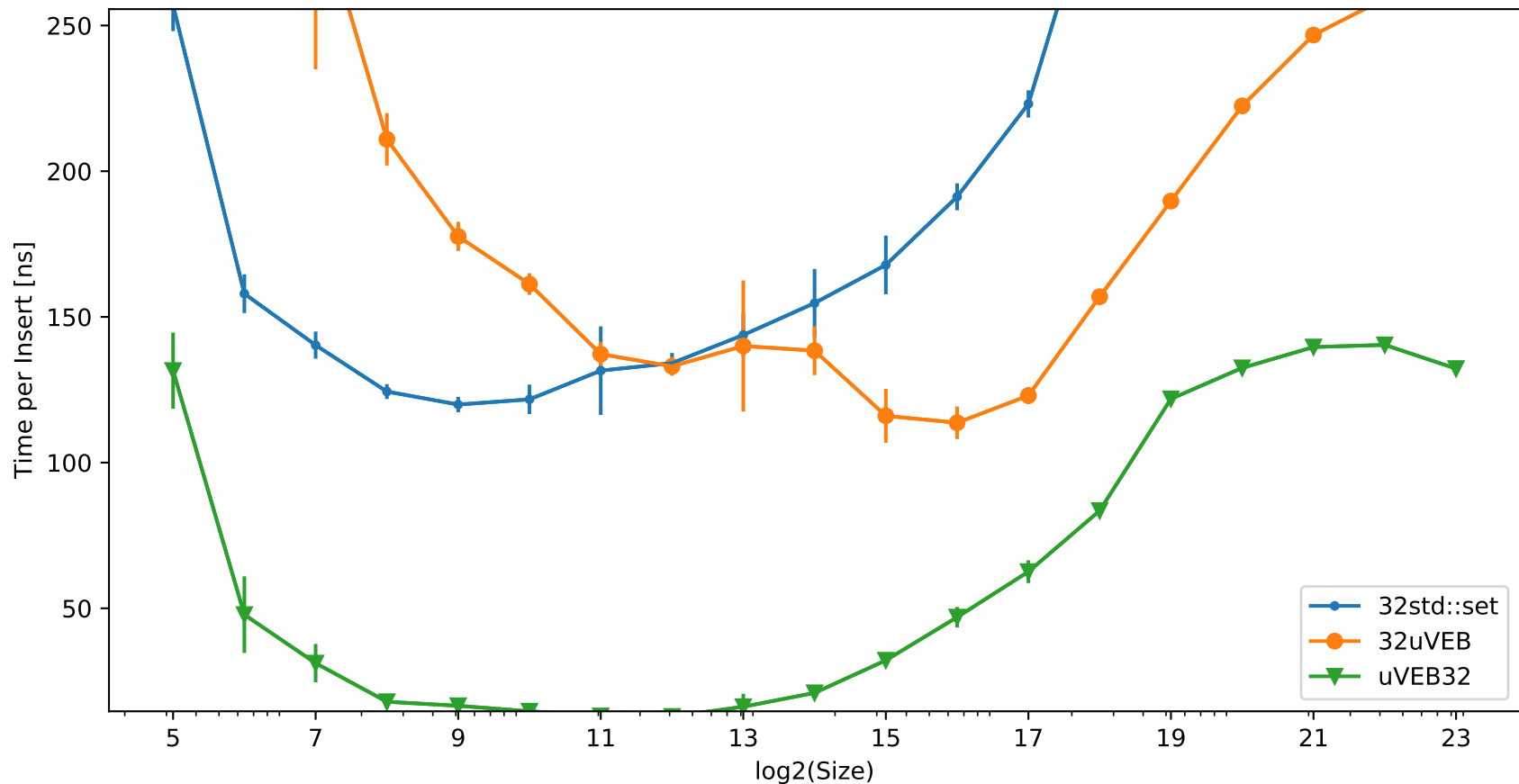Time to Insert 'Size' Elements (cluster distribution)

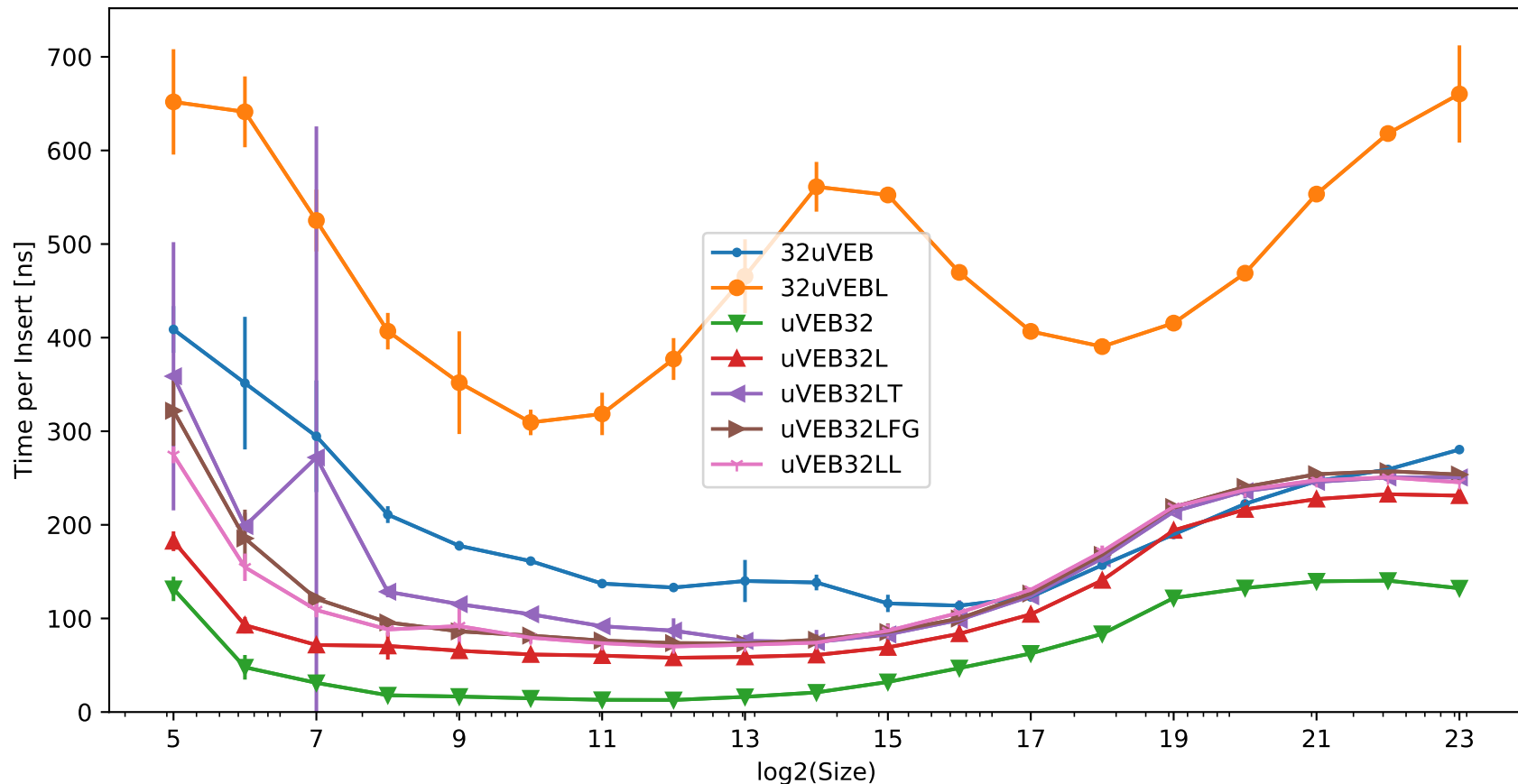Time to Insert 'Size' Elements (Zoomed in; cluster distribution)

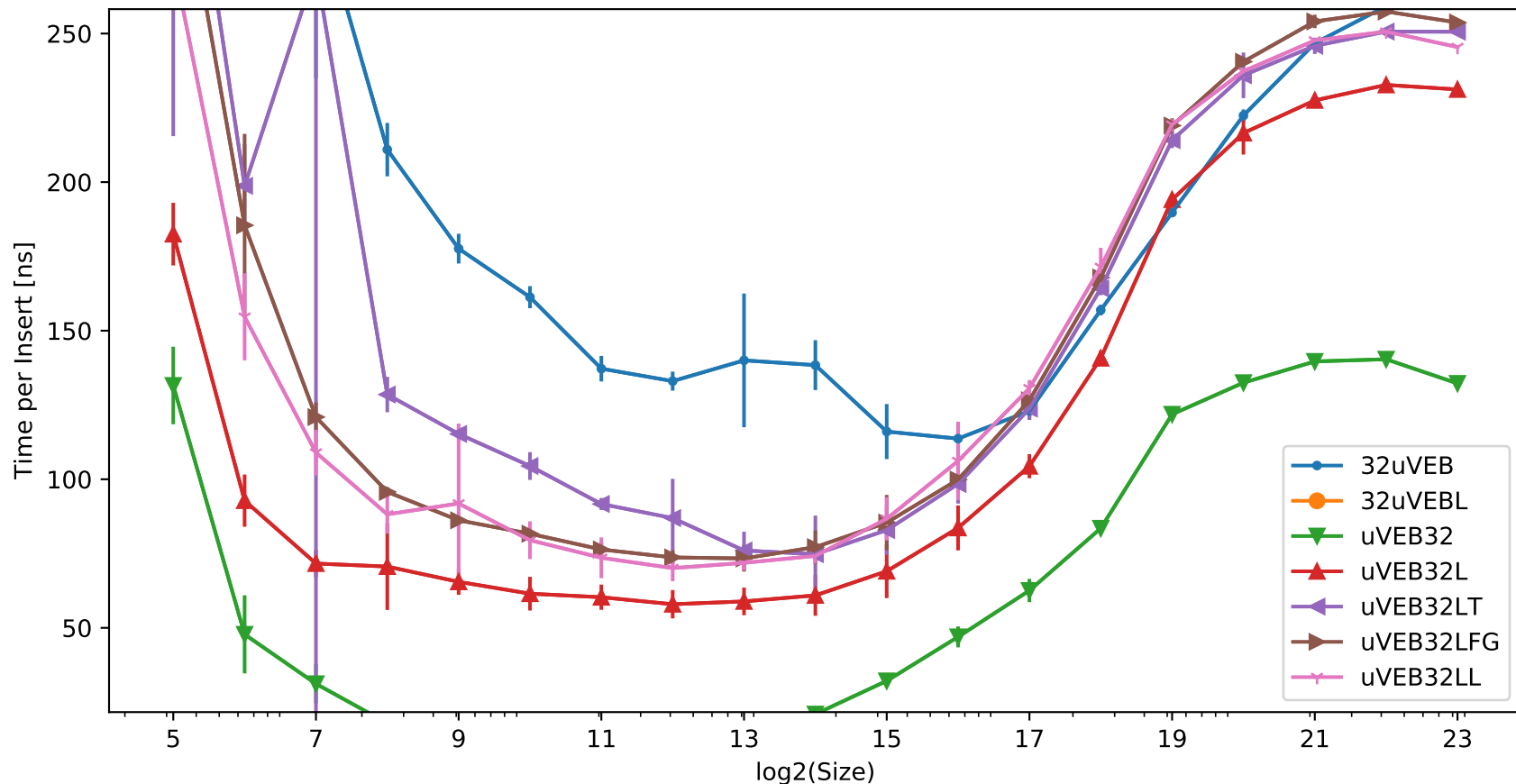Time to Insert 'Size' Elements (normal distribution)

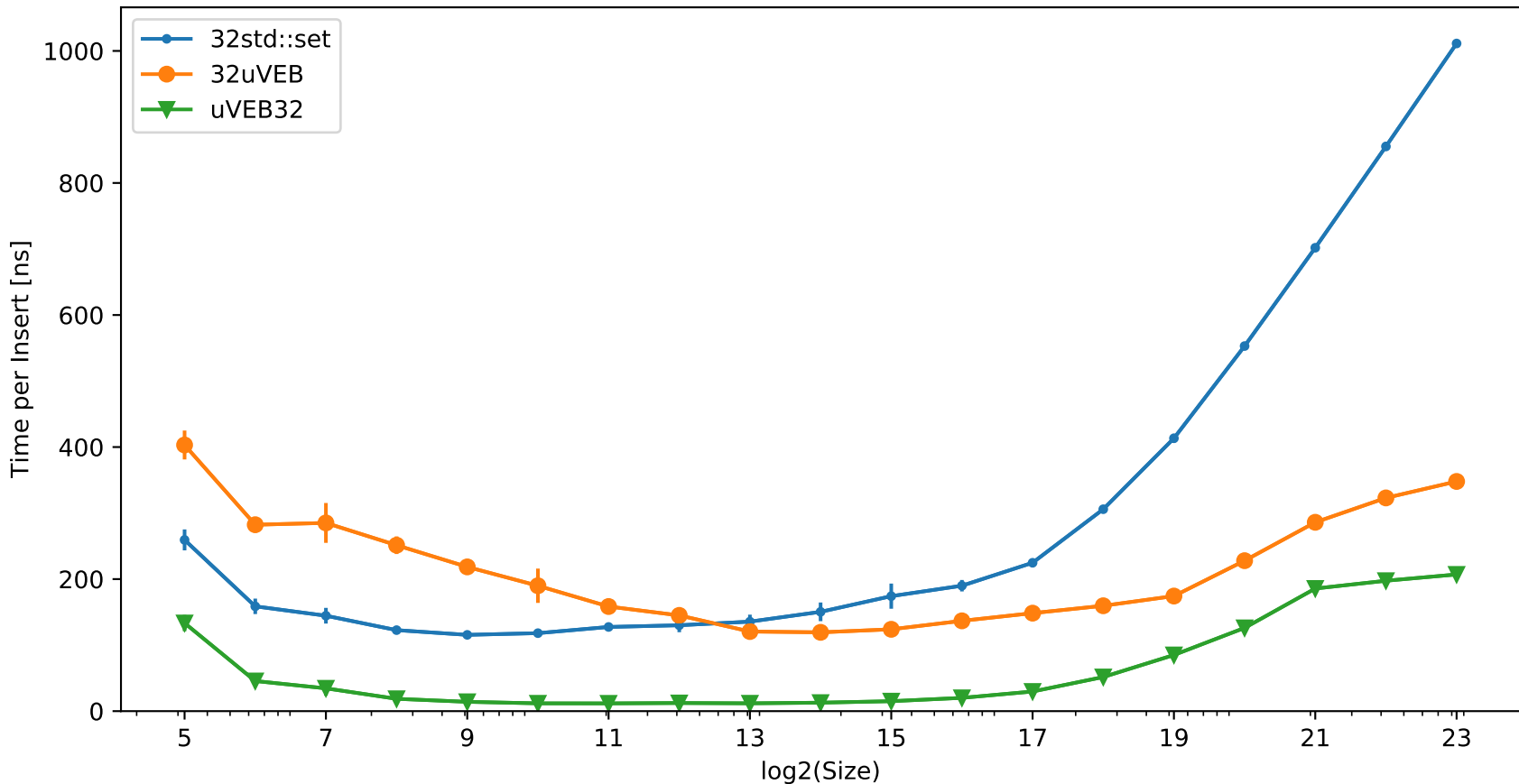Time to Insert 'Size' Elements (Zoomed in; normal distribution)

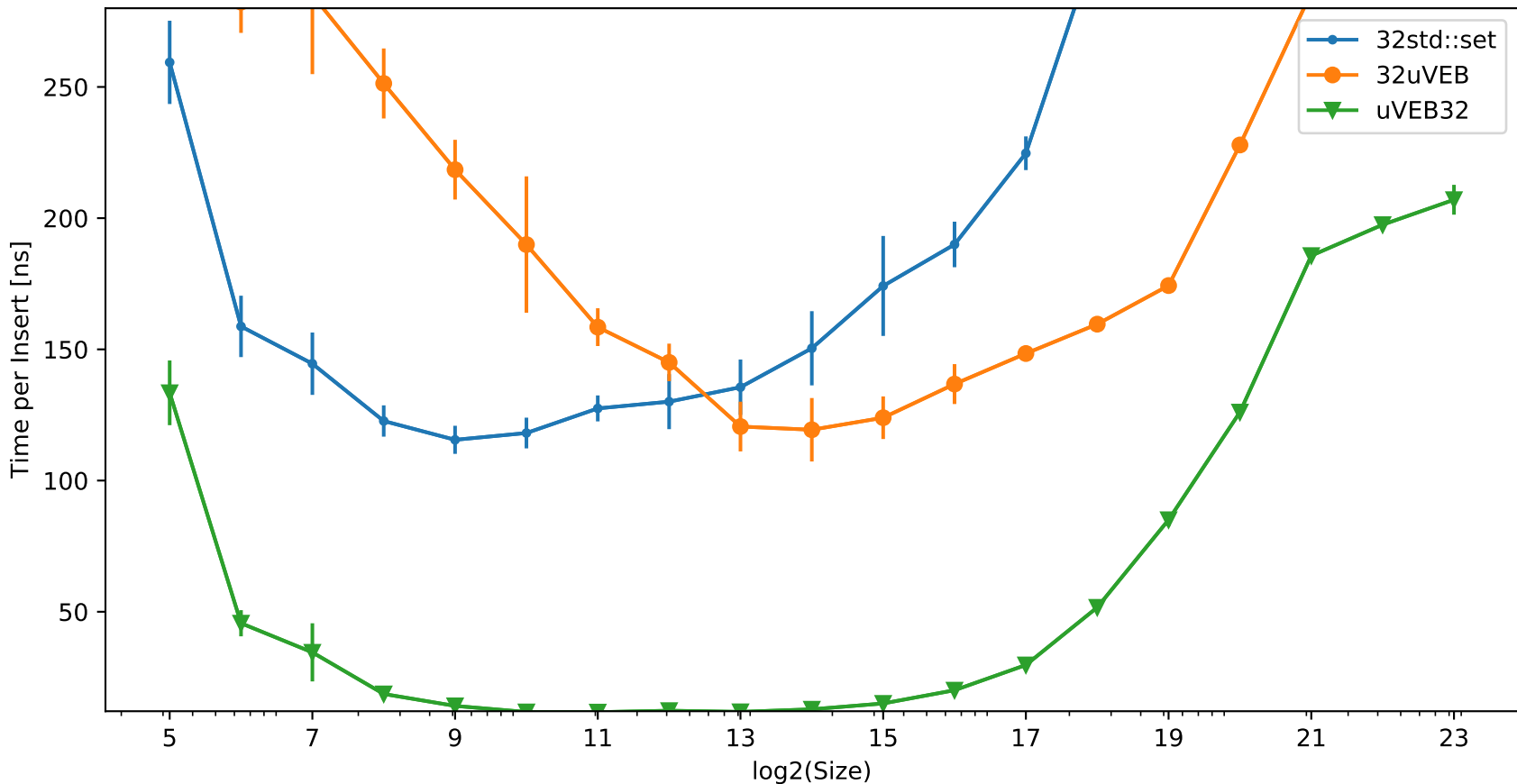Time to Insert 'Size' Elements (normal distribution)

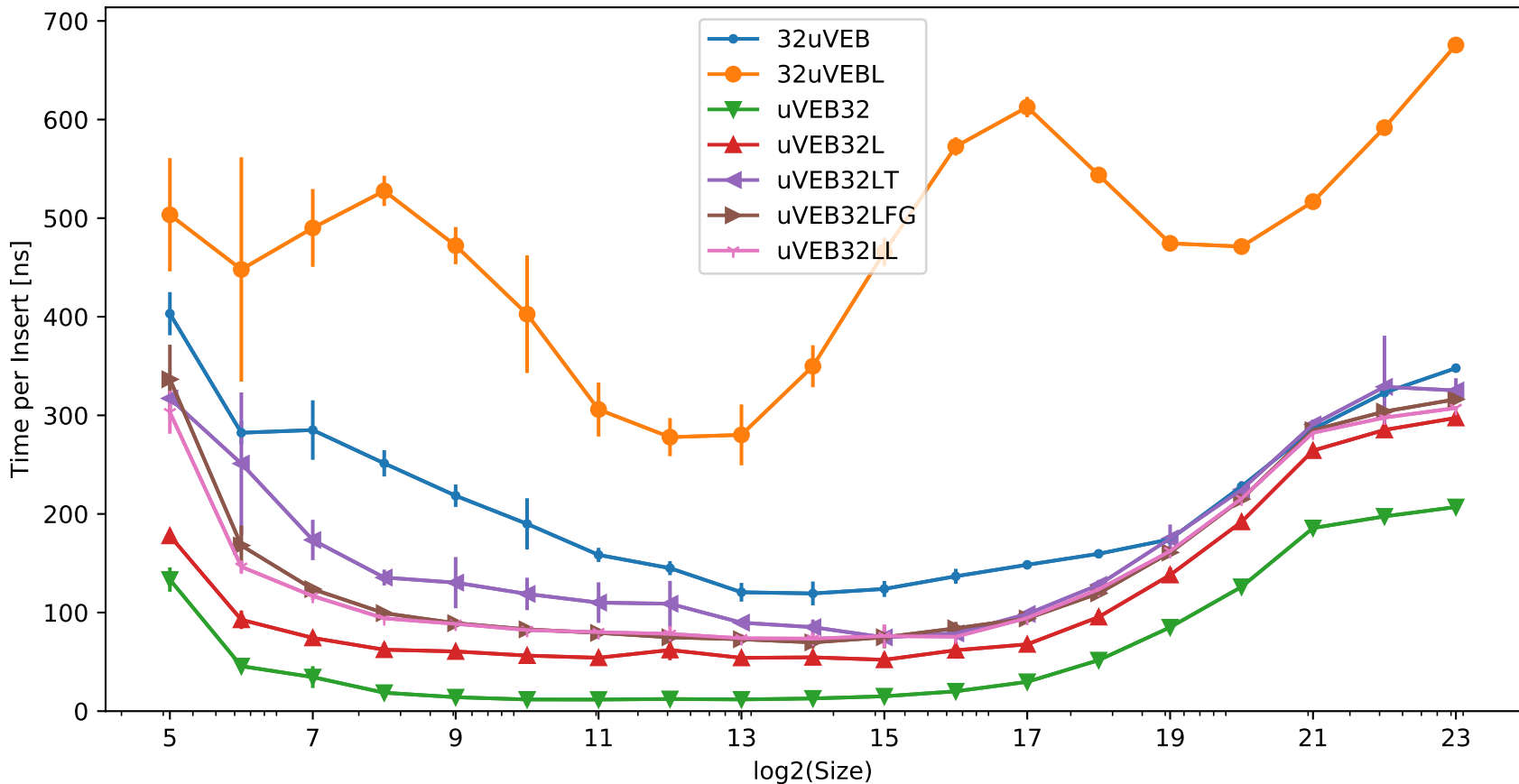Time to Insert 'Size' Elements (Zoomed in; normal distribution)

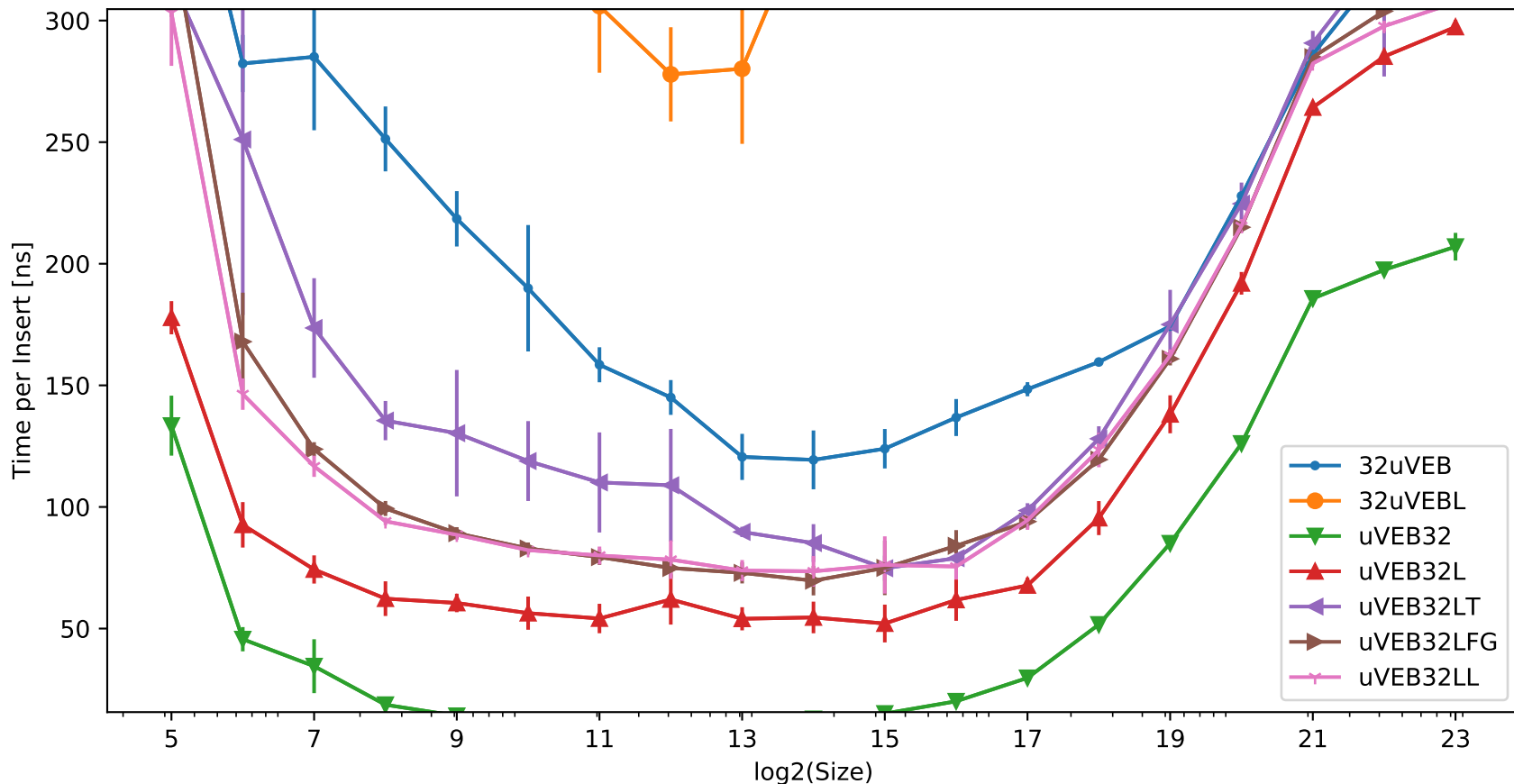Time to Insert 'Size' Elements (incProb distribution)

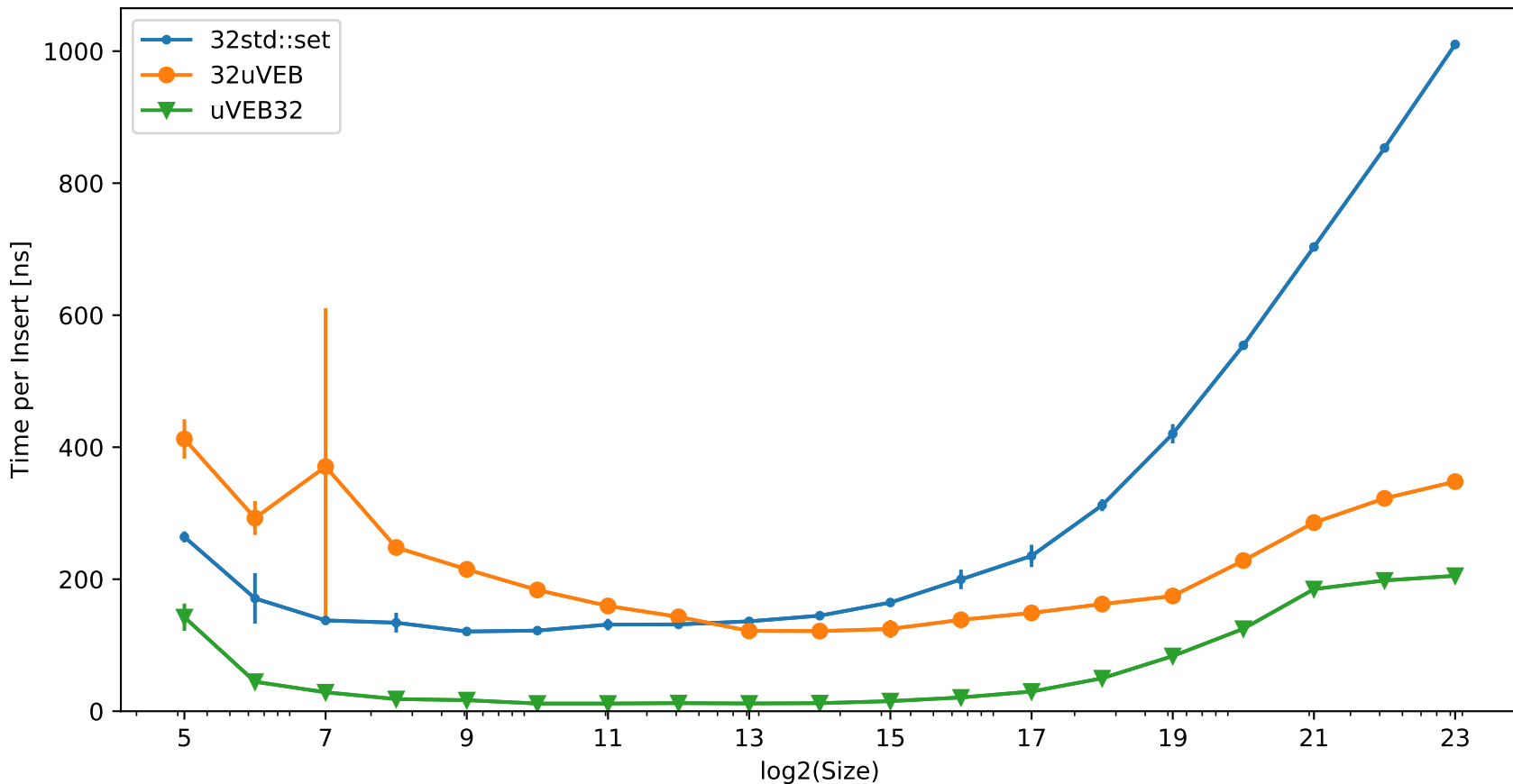Time to Insert 'Size' Elements (Zoomed in; incProb distribution)

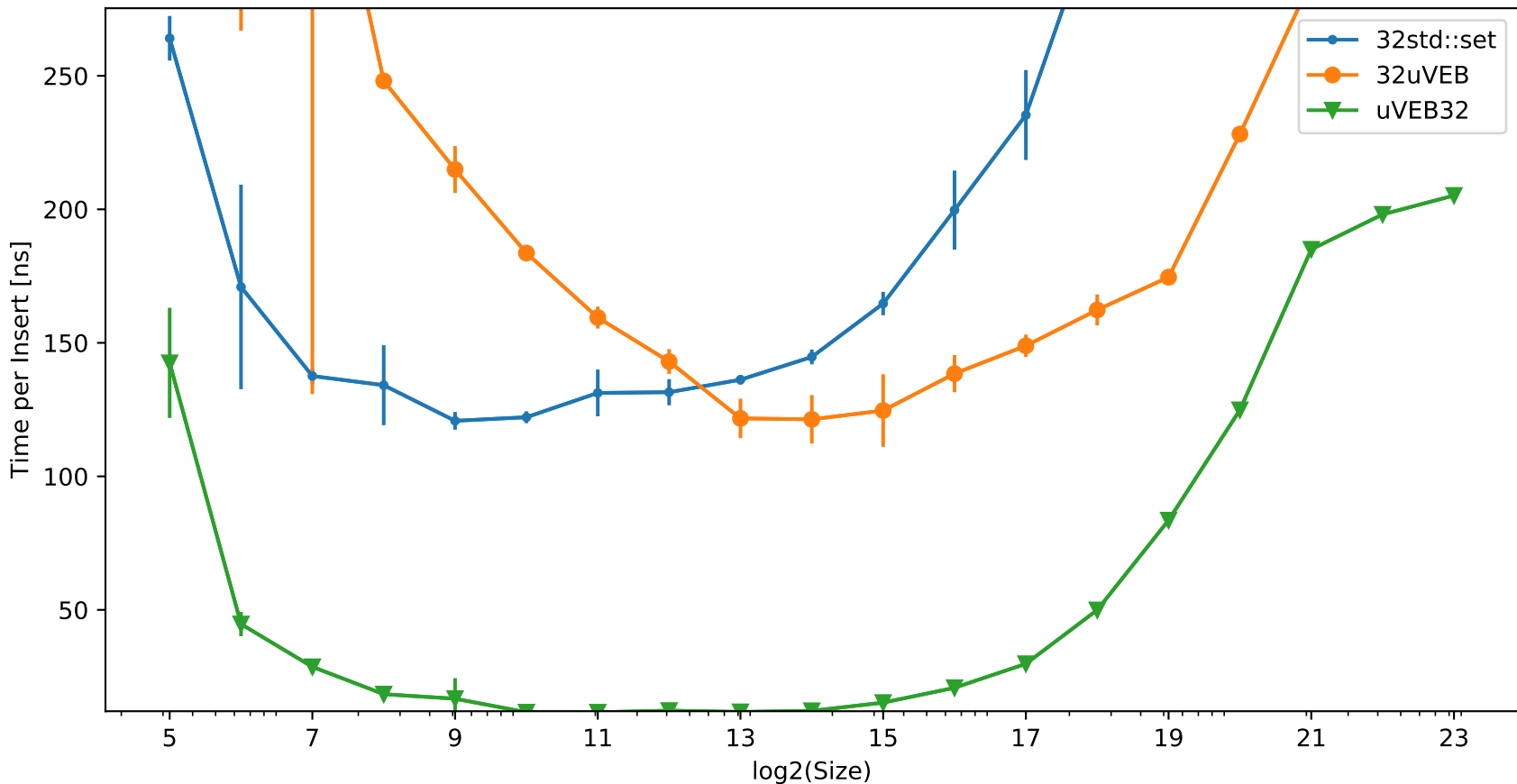Time to Insert 'Size' Elements (incProb distribution)

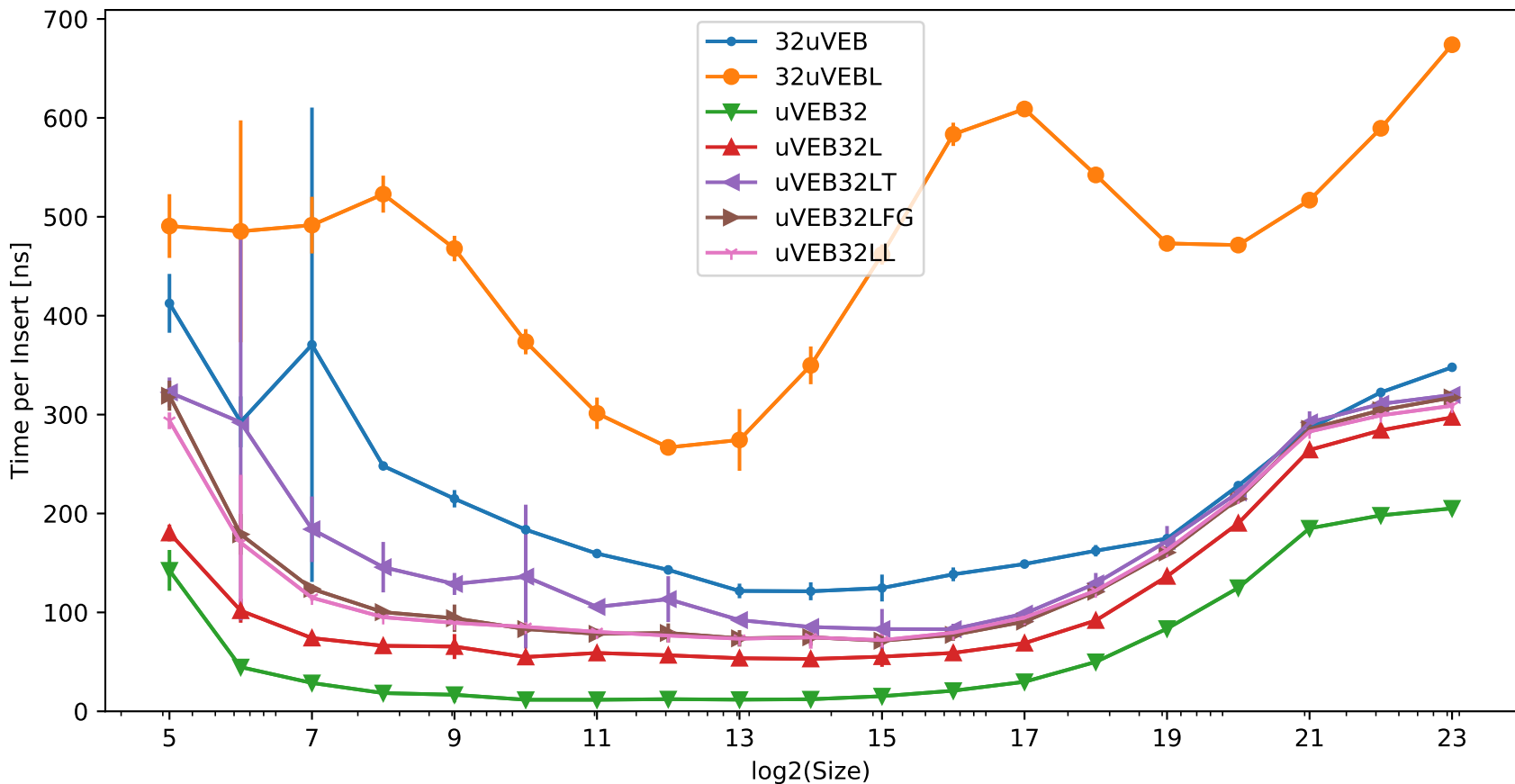Time to Insert 'Size' Elements (Zoomed in; incProb distribution)

Time to Insert 'Size' Elements (decProb distribution)

Time to Insert 'Size' Elements (Zoomed in; decProb distribution)

Time to Insert 'Size' Elements (decProb distribution)

Time to Insert 'Size' Elements (Zoomed in; decProb distribution)