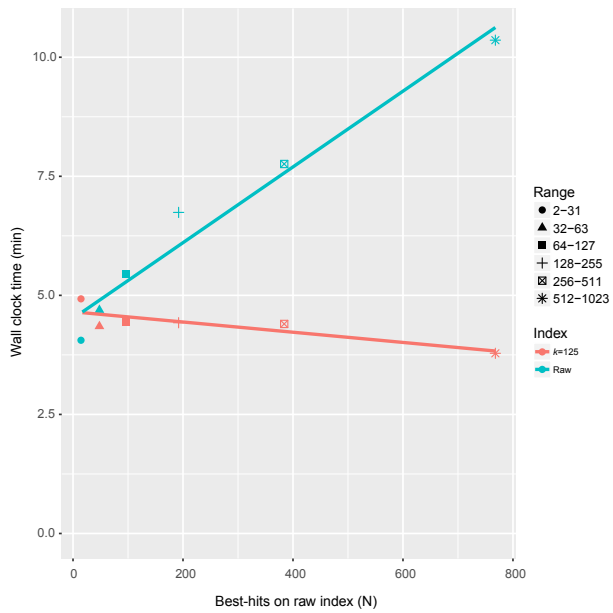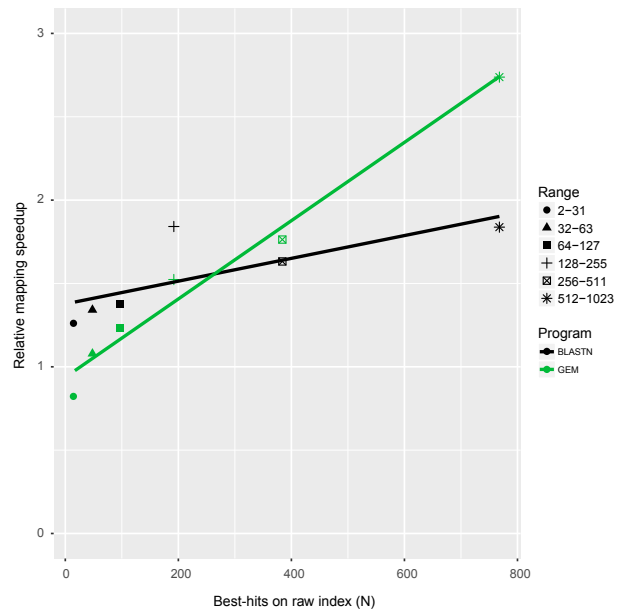**Supplemental Figure S1 | Mapping performance on raw and compressed indexes.** (**A**) GEM runtimes for mapping 1M read-pairs against raw and compressed (*k*=125) NCBI's nt database indexes, as a function of sequence redundancy. (**B**) Mapping speedup of BLASTN and GEM when using compressed indexes versus raw indexes, as a function of sequence redundancy.