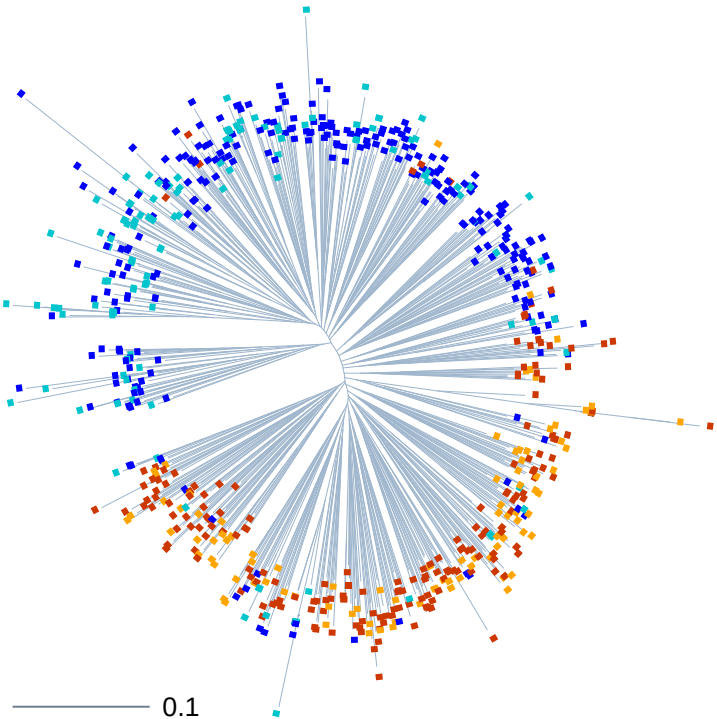
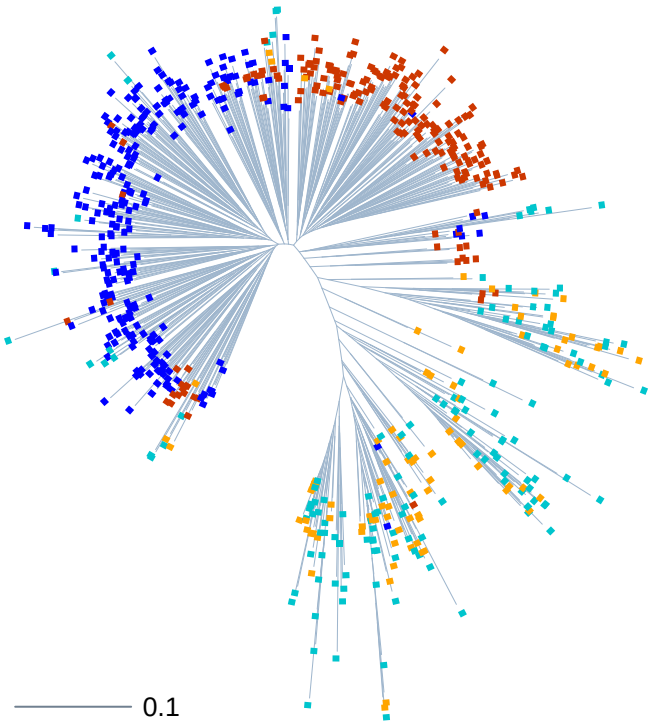
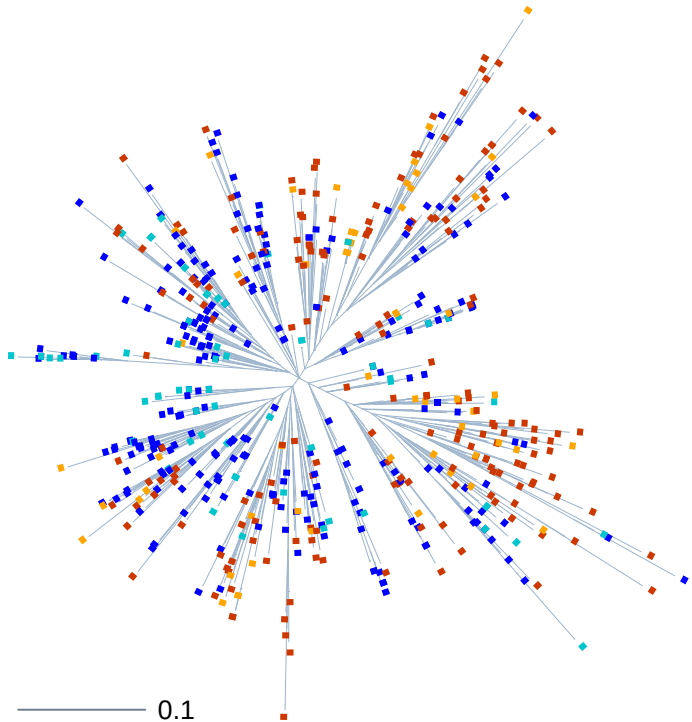
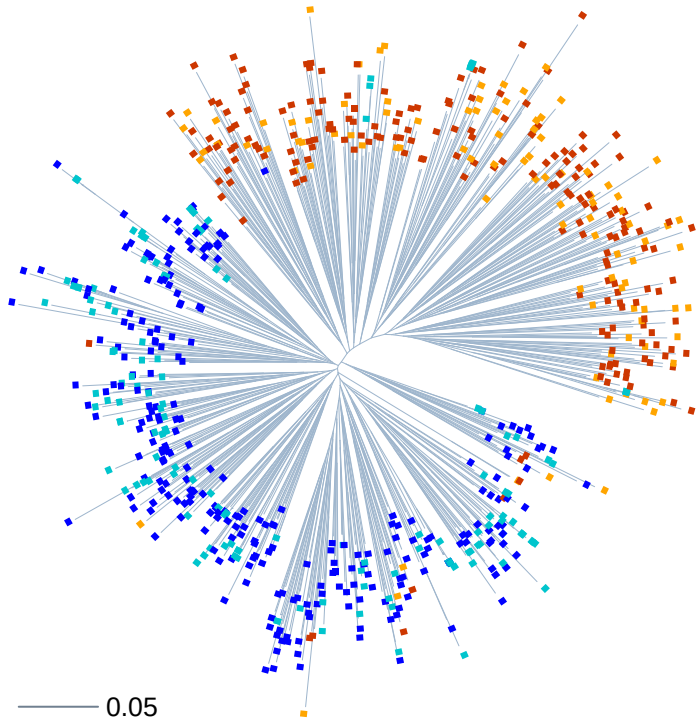
upstream



duplication



dup post breakpoint



downstream