



**Figure S1. Some inversions can be indistinguishable from reciprocal translocations.**

Numbers 1-8 represent genomic segments, and minus symbols indicate inverted orientation. The upper part shows the effect of a reciprocal translocation (RT) followed by an inversion (inv) of a region that includes one endpoint of the RT. The lower part shows a scenario of two consecutive RTs. The two scenarios produce the same final order of genomic segments, so it is not possible to tell which scenario is correct.