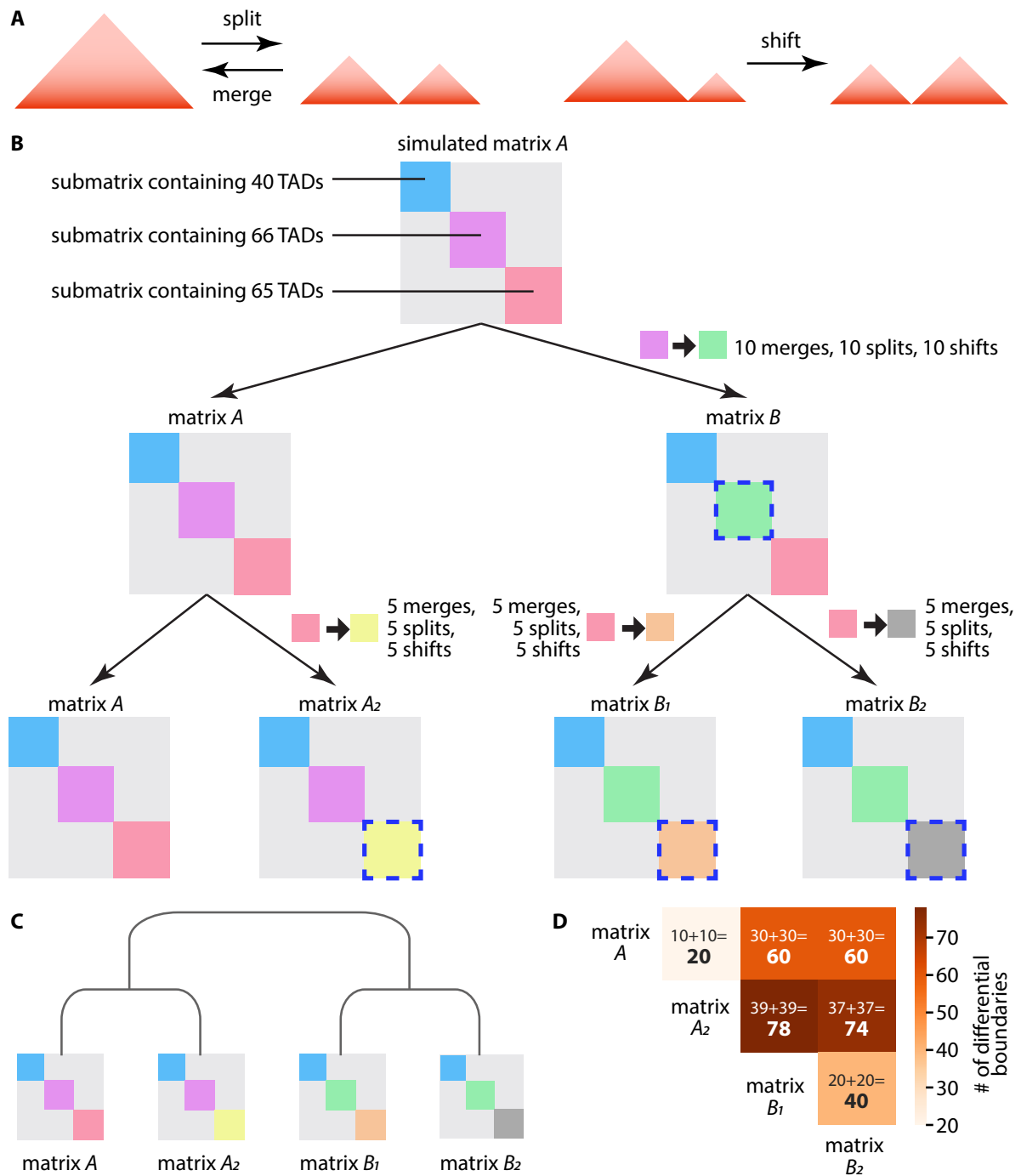


**Figure S16**



**Figure S16.** TAD boundary perturbation procedure for Hi-C data simulation. **A.** Three different types of TAD boundary changes used in simulation: TAD split, merge, and shift. **B.** Different sets of TADs were

split, merged, or shifted within the original simulated TAD set to yield four different simulated matrices. **C.** Tree structure input to TGIF for its application to the simulated matrices. **D.** Number of different TADs between pairs of simulated matrices.