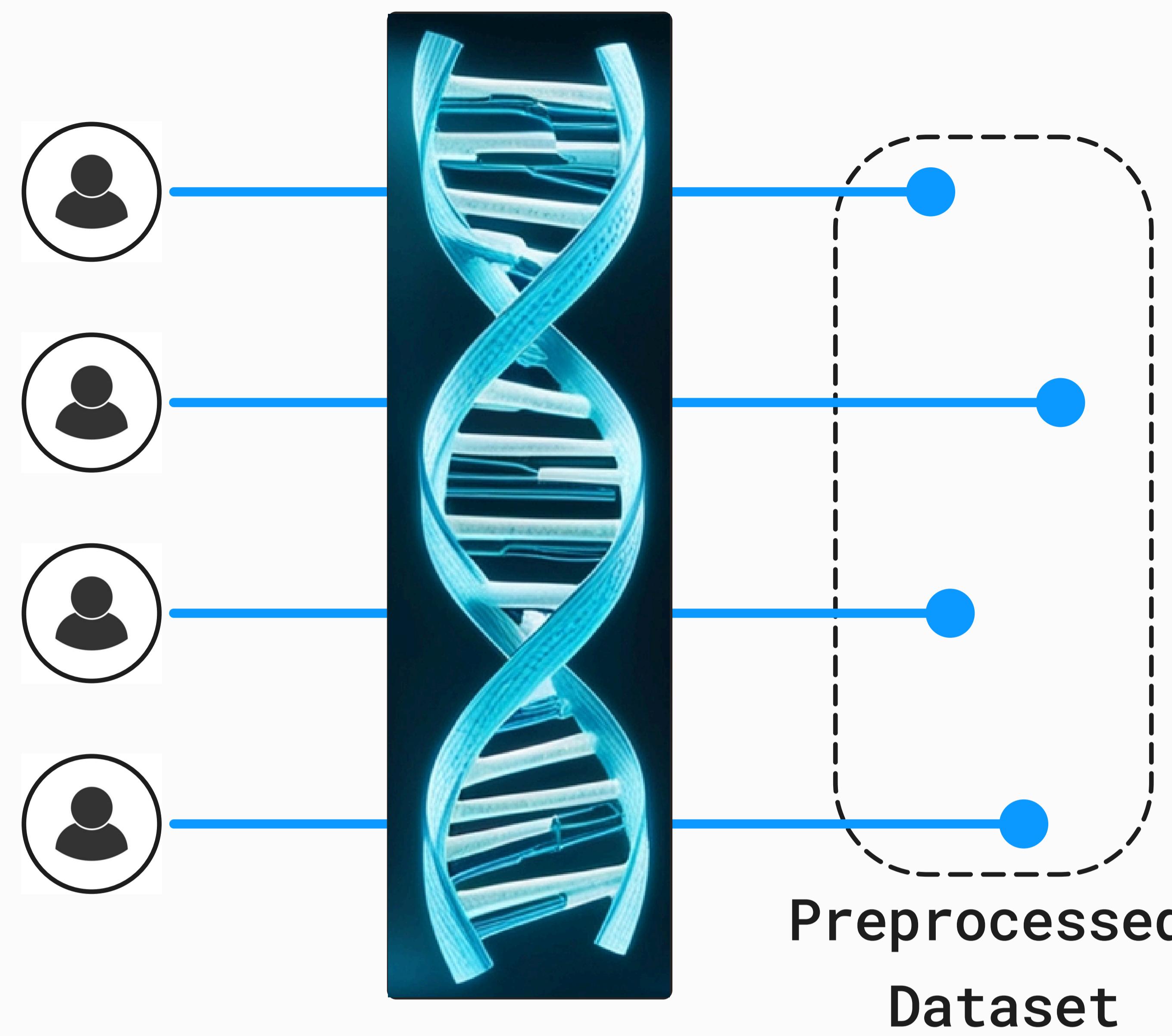
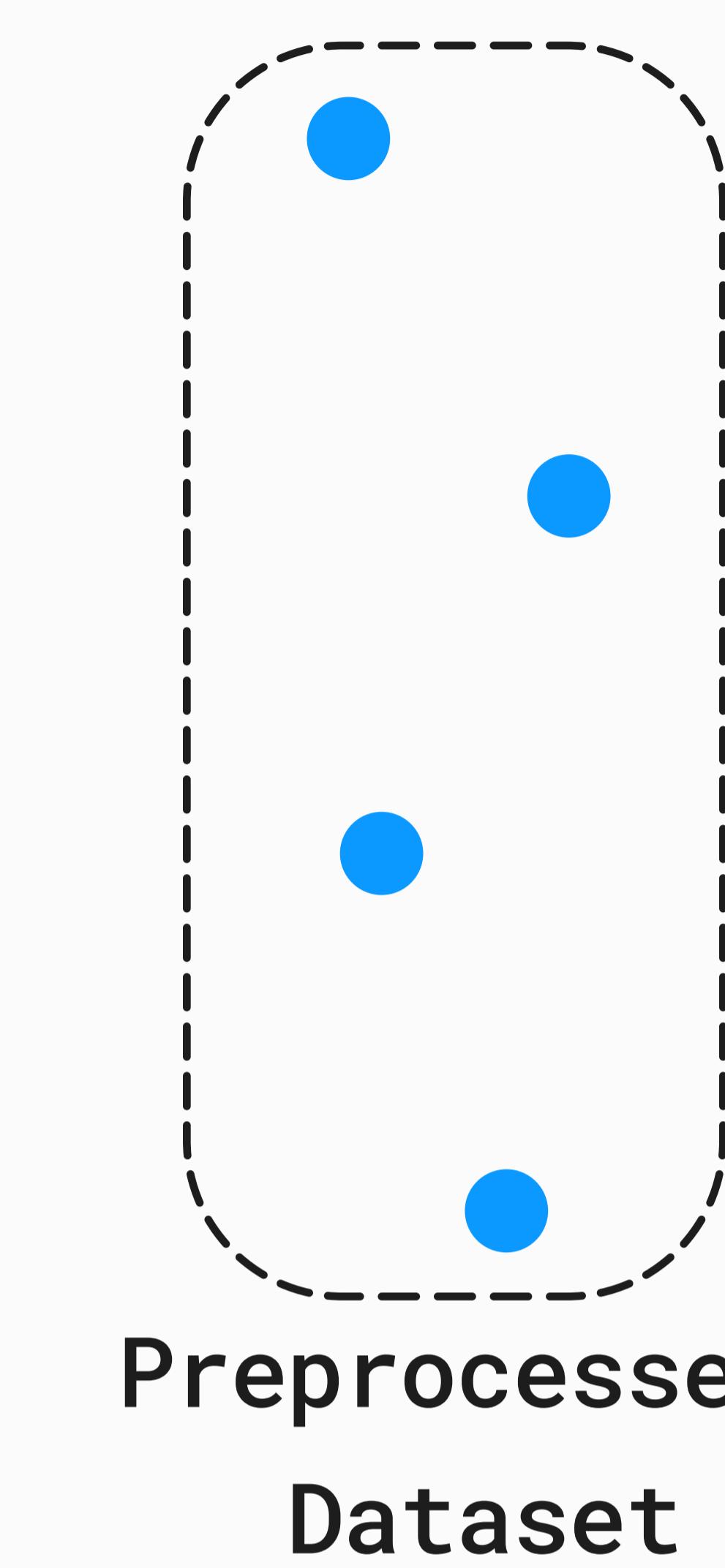
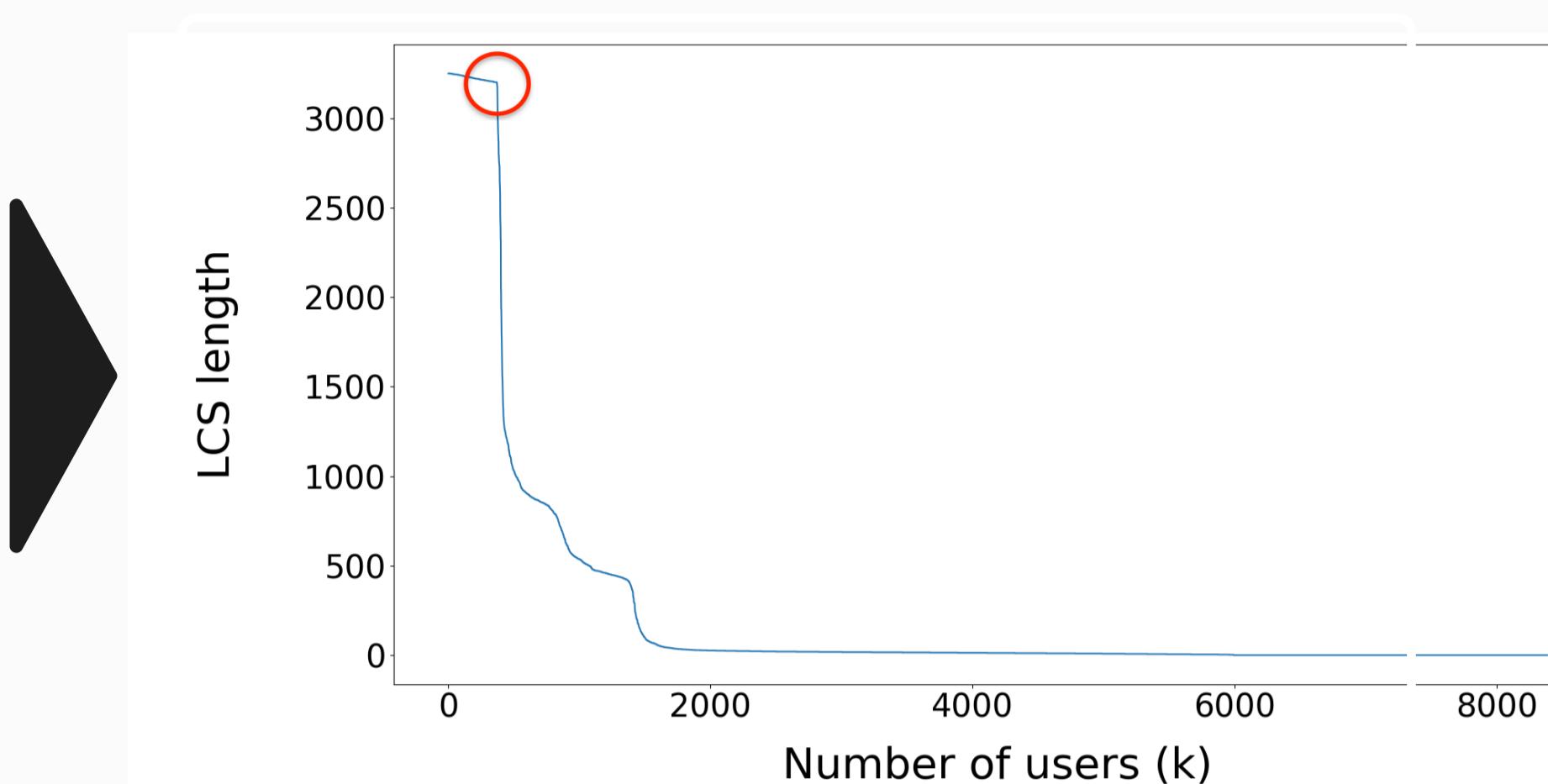


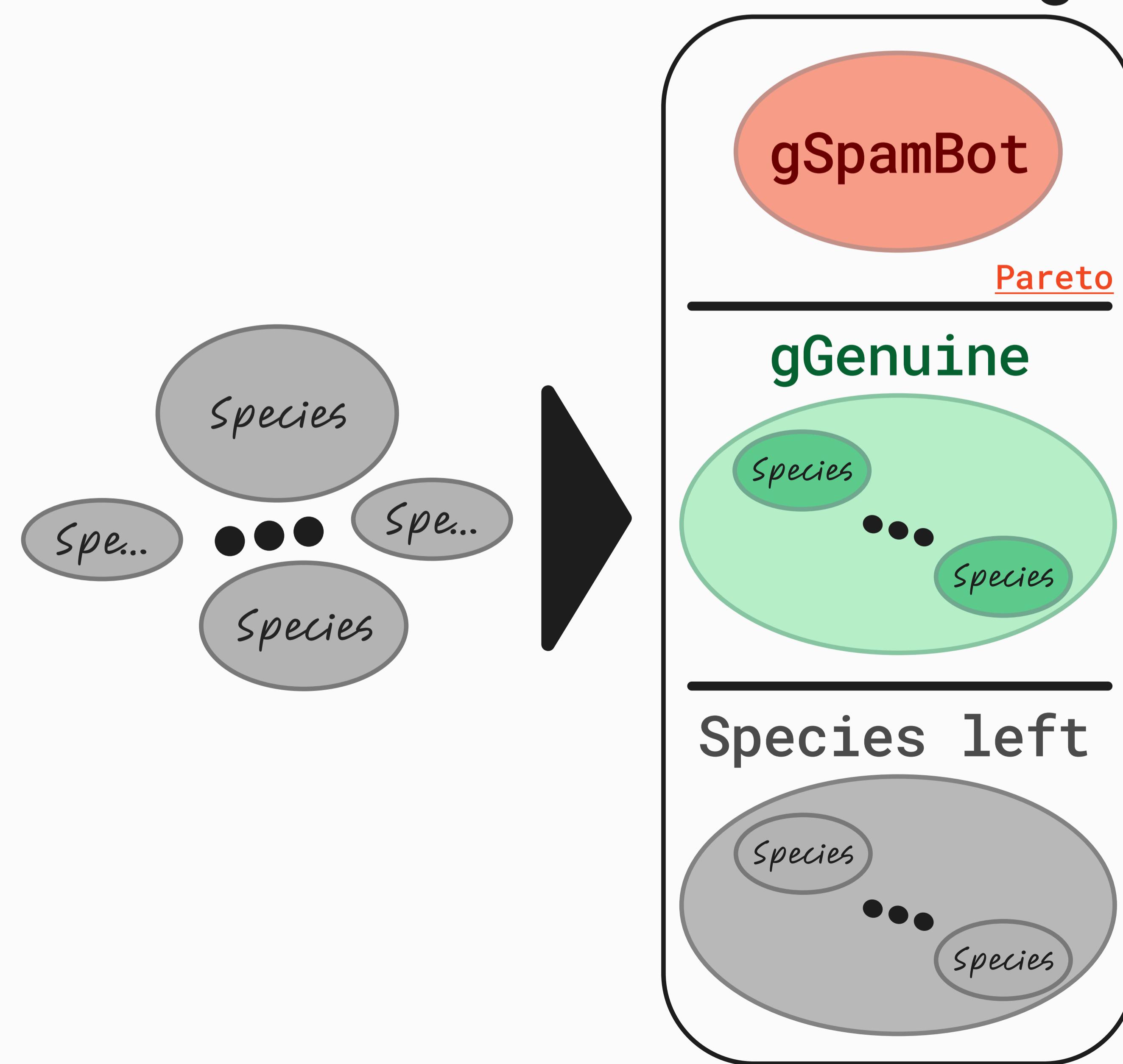
## DNA Encoder



## Species clustering via LCS



## Initial Arrangement



## DNA similarity

