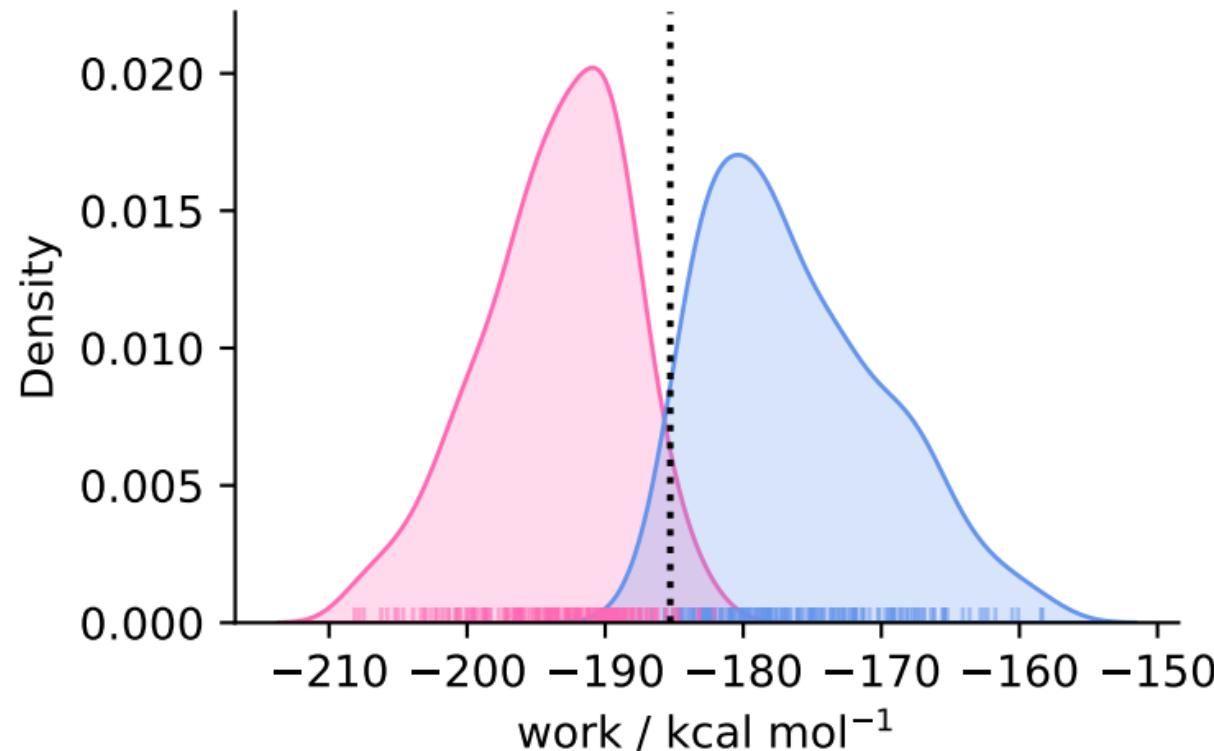RUN454