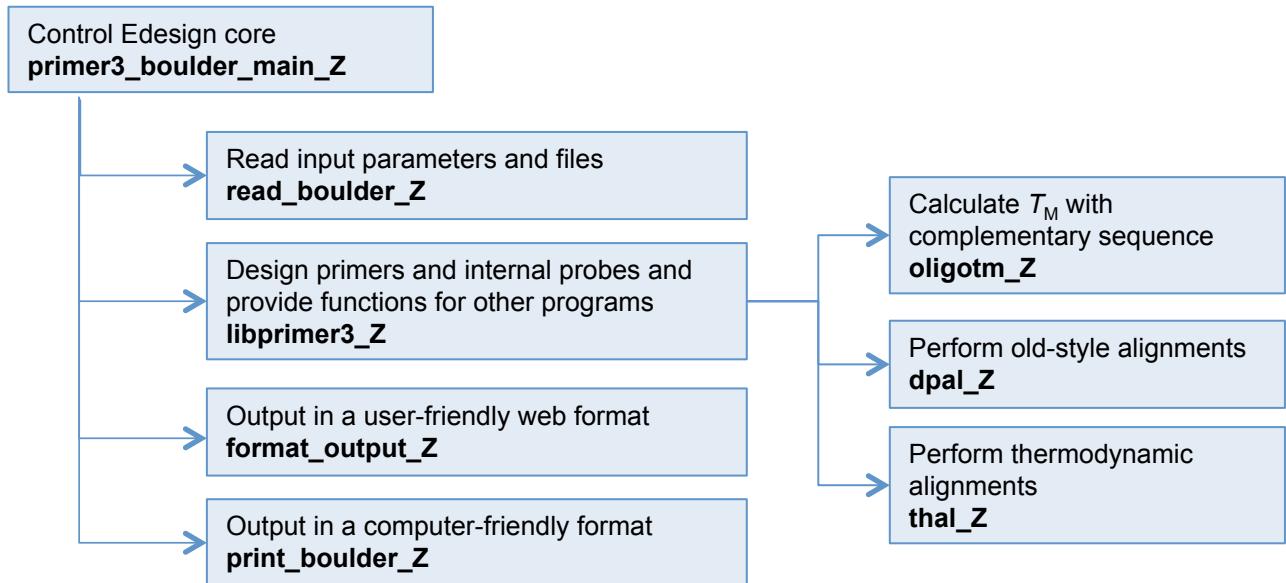
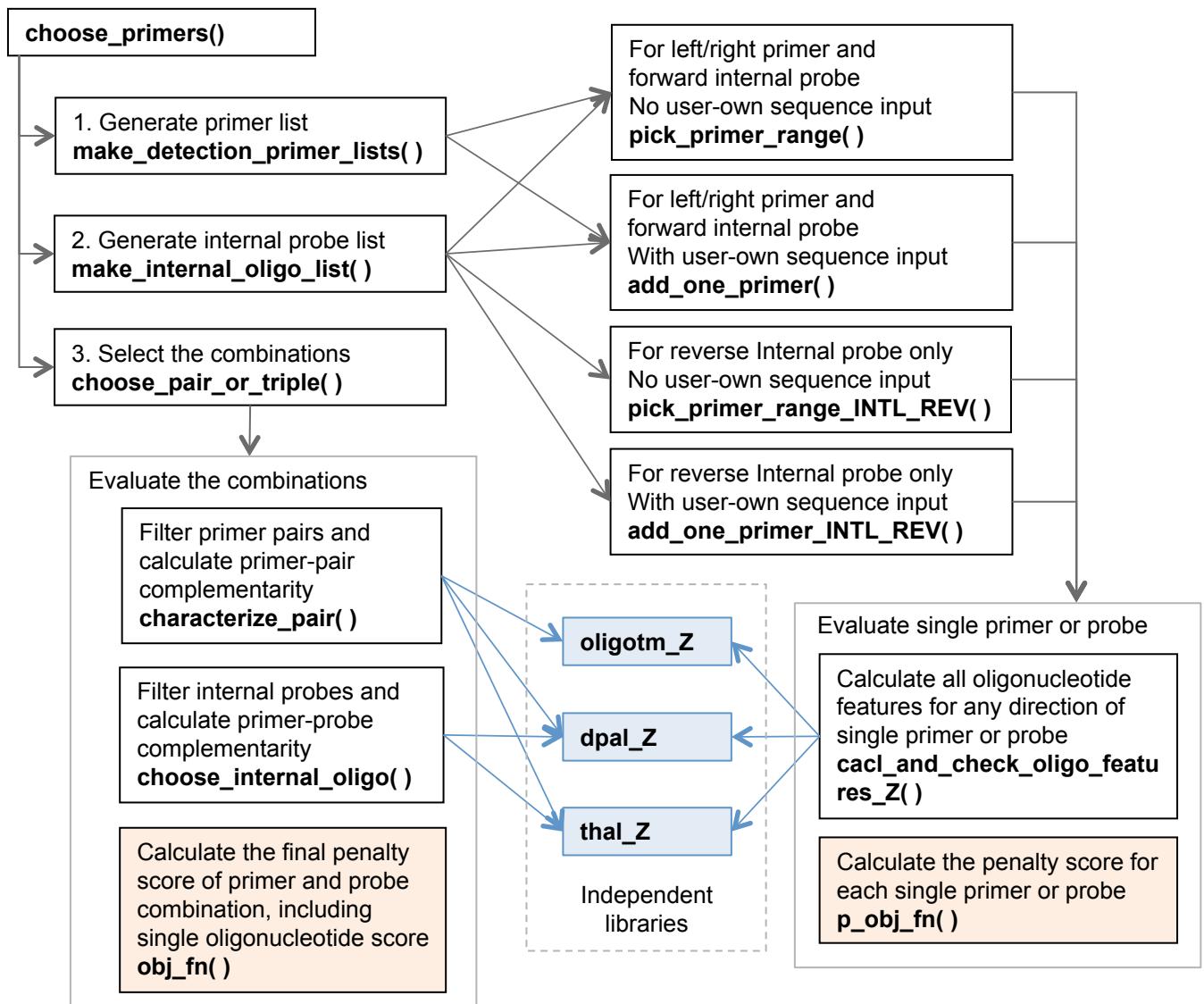


### A. Overall structure of Edesign core program



### B. Workflow of primer and internal probe design in libprimer3\_Z



**S1 Fig. Schematic structure of Edesign core program.**

(A) Overall structure of Edesign core program. (B) Workflow of primer and internal probe design run by `choose_primers()` in `libprimer3_Z`.