

A.

[\[Help\]](#)Genome: *Arabidopsis thaliana* (32690 protein sequences)**Hierarchical Analysis**Choose the number of hierarchical levels: Choose the filtering logic:

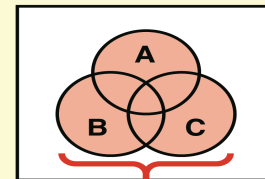
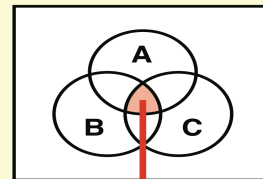
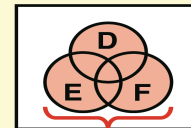
Select methods from each level:

Level
1:

TM predictions	HMMs	Alignment-free classifiers
☐ Phobius ☐ HMMTOP TM from any to any with N-term both	☐ SAM ☐ SAM1 ☐ SAM2 ☐ GPCRHMM	☐ LDA ☐ QDA ☐ LOG ☐ KNN5 ☐ KNN10 ☐ SVM-AA ☐ SVM-di ☐ PLS-ACC ☐ KNN15 ☐ KNN20

Level
2:

TM predictions	HMMs
☐ Phobius ☐ HMMTOP TM from any to any with N-term both	☐ SAM ☐ SAM1 ☐ SAM2 ☐ GPCRHMM

[Filtering logics]**AND****OR**
Level 1
 (Classifiers: A, B, C)

Level 2
 (Classifiers: D, E, F)

Level 3
 (Classifiers: G, H)


B.