A

ADDASEGMENTS

COMPLETE LINKAGE CLUSTERING

SMOG1

SMOG2

SMOG3

B

Profiles for ASTRAL domains

SMOG seq 1

SMOG seq 2

I. BLAST & RPS-BLAST

II. Propagation to uncovered sequences

III. Generation of profiles

IV. PSI-BLAST

V. Clustering with other segments of the same SMOG

C

SMOG1

PSI-BLAST

SMOG2

Fragment clusters with structure assignments

DOG1

DOG2