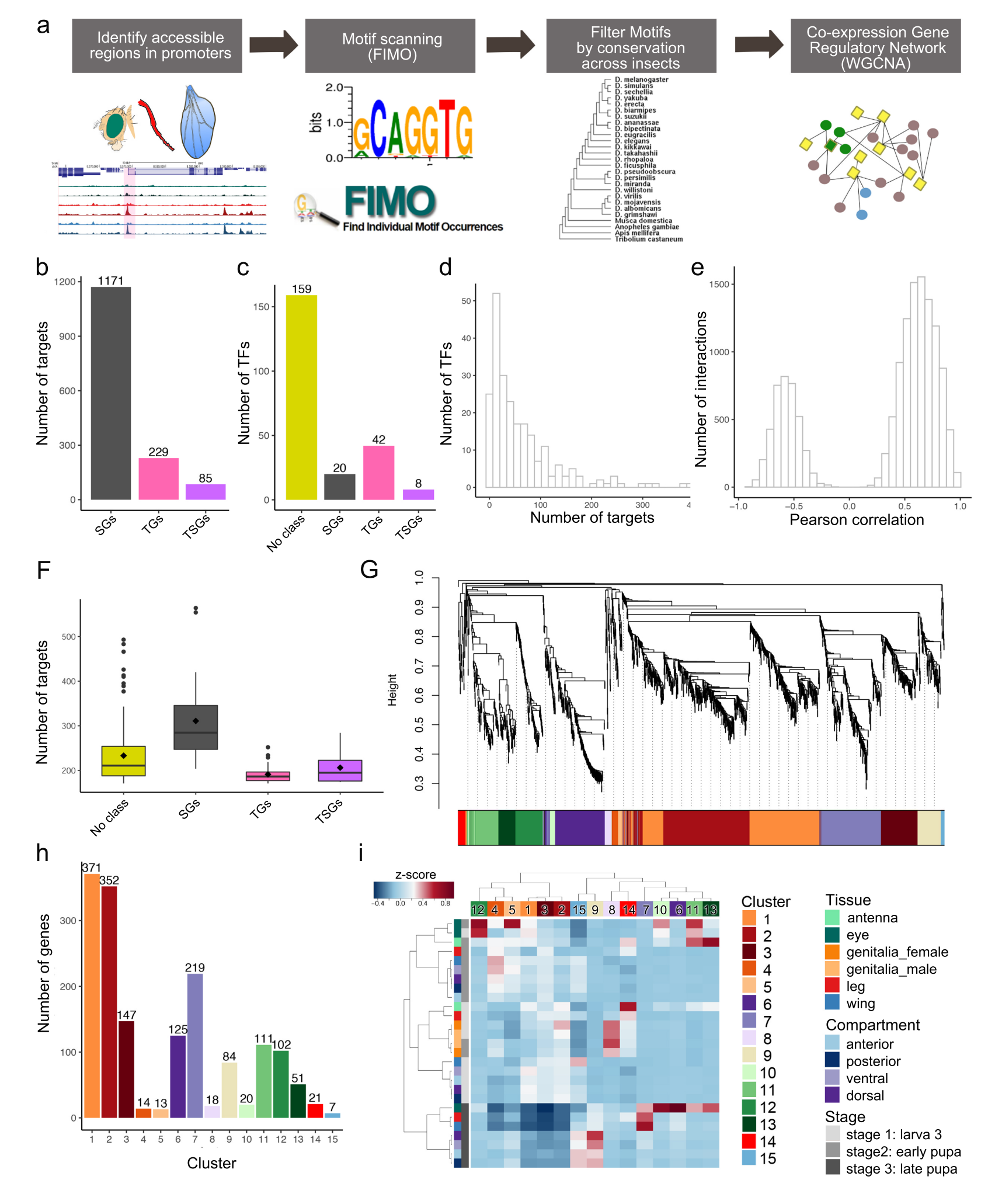
a
Identify accessible regions in promoters
Motif scanning (FIMO)
Filter Motifs by conservation across insects
Co-expression Gene Regulatory Network (WGCNA)
FIMO
Find Individual Motif Occurrences
D. melanogaster
D. simulans
D. sechellia
D. yakuba
D. erecta
D. biarmipes
D. suzukii
D. ananassae
D. bipectinata
D. eugracilis
D. elegans
D. kikkawai
D. takahashii
D. rhopaloa
D. ficusphila
D. pseudoobscura
D. persimilis
D. miranda
D. willistoni
D. virilis
D. mojavensis
D. albomicans
D. grimshawi
Musca domestica
Anopheles gambiae
Apis mellifera
Tribolium castaneum
b
Number of targets
1171
229
85
SGs
TGs
TSGs
c
Number of TFs
159
20
42
8
No class
SGs
TGs
TSGs
d
Number of TFs
Number of targets
e
Number of interactions
Pearson correlation
F
Number of targets
No class
SGs
TGs
TSGs
G
Height
h
Number of genes
371
352
147
14
13
125
219
18
84
20
111
102
51
21
7
Cluster
i
z-score
Cluster
Tissue
antenna
eye
genitalia_female
genitalia_male
leg
wing
Compartment
anterior
posterior
ventral
dorsal
Stage
stage 1: larva 3
stage2: early pupa
stage 3: late pupa