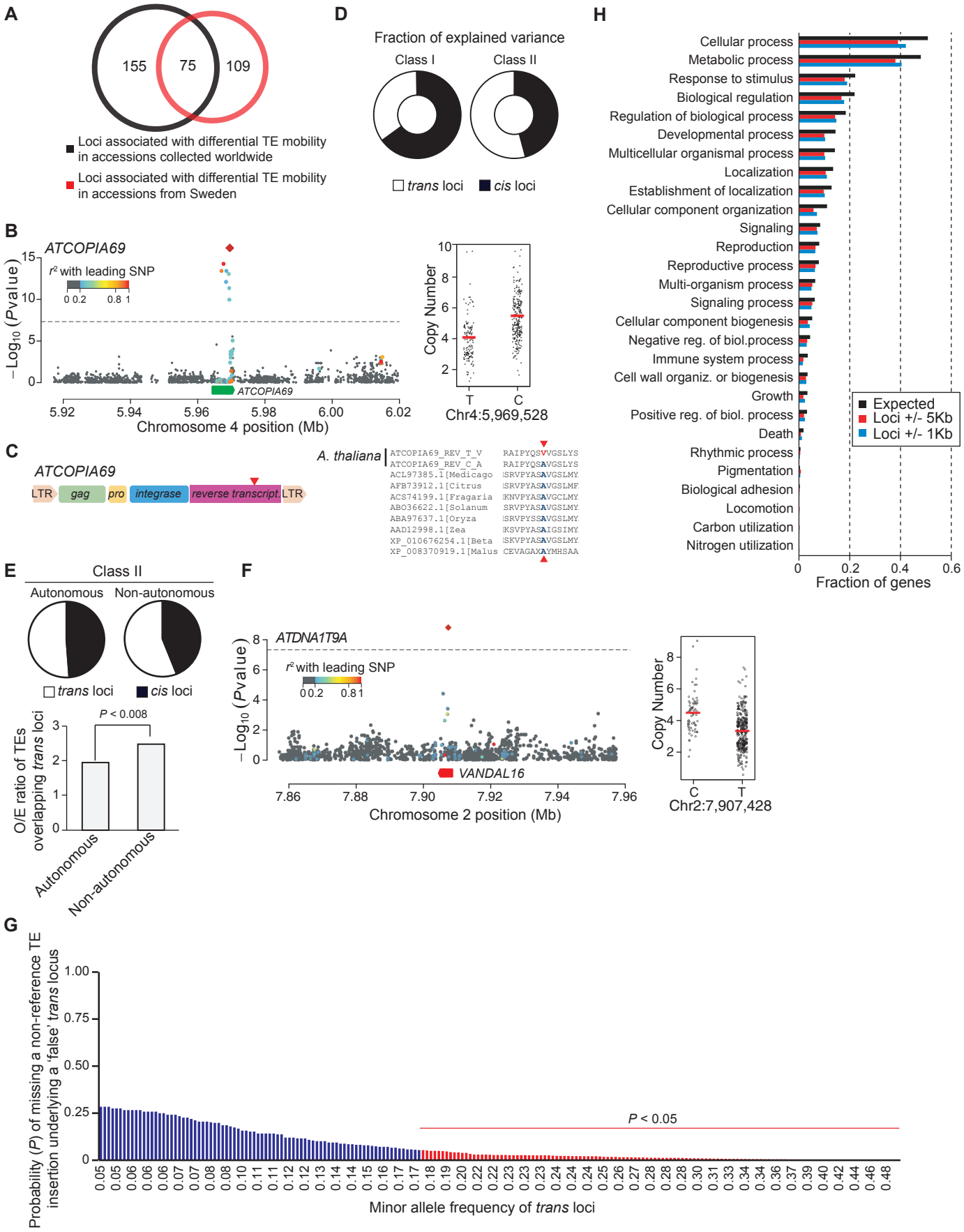
A
155
75
109
Loci associated with differential TE mobility in accessions collected worldwide
Loci associated with differential TE mobility in accessions from Sweden
D
Fraction of explained variance
Class I
Class II
trans loci
cis loci
H
Cellular process
Metabolic process
Response to stimulus
Biological regulation
Regulation of biological process
Developmental process
Multicellular organismal process
Localization
Establishment of localization
Cellular component organization
Signaling
Reproduction
Reproductive process
Multi-organism process
Signaling process
Cellular component biogenesis
Negative reg. of biol.process
Immune system process
Cell wall organiz. or biogenesis
Growth
Positive reg. of biol. process
Death
Rhythmic process
Pigmentation
Biological adhesion
Locomotion
Carbon utilization
Nitrogen utilization
Expected
Loci +/- 5Kb
Loci +/- 1Kb
Fraction of genes
B
ATCOPIA69
r2 with leading SNP
−Log10 (Pvalue)
Chromosome 4 position (Mb)
Copy Number
Chr4:5,969,528
C
ATCOPIA69
LTR
gag
pro
integrase
reverse transcript.
LTR
A. thaliana
E
Class II
Autonomous
Non-autonomous
trans loci
cis loci
P < 0.008
O/E ratio of TEs overlapping trans loci
F
ATDNA1T9A
VANDAL16
Chromosome 2 position (Mb)
Chr2:7,907,428
G
Probability (P) of missing a non-reference TE insertion underlying a 'false' trans locus
P < 0.05
Minor allele frequency of trans loci