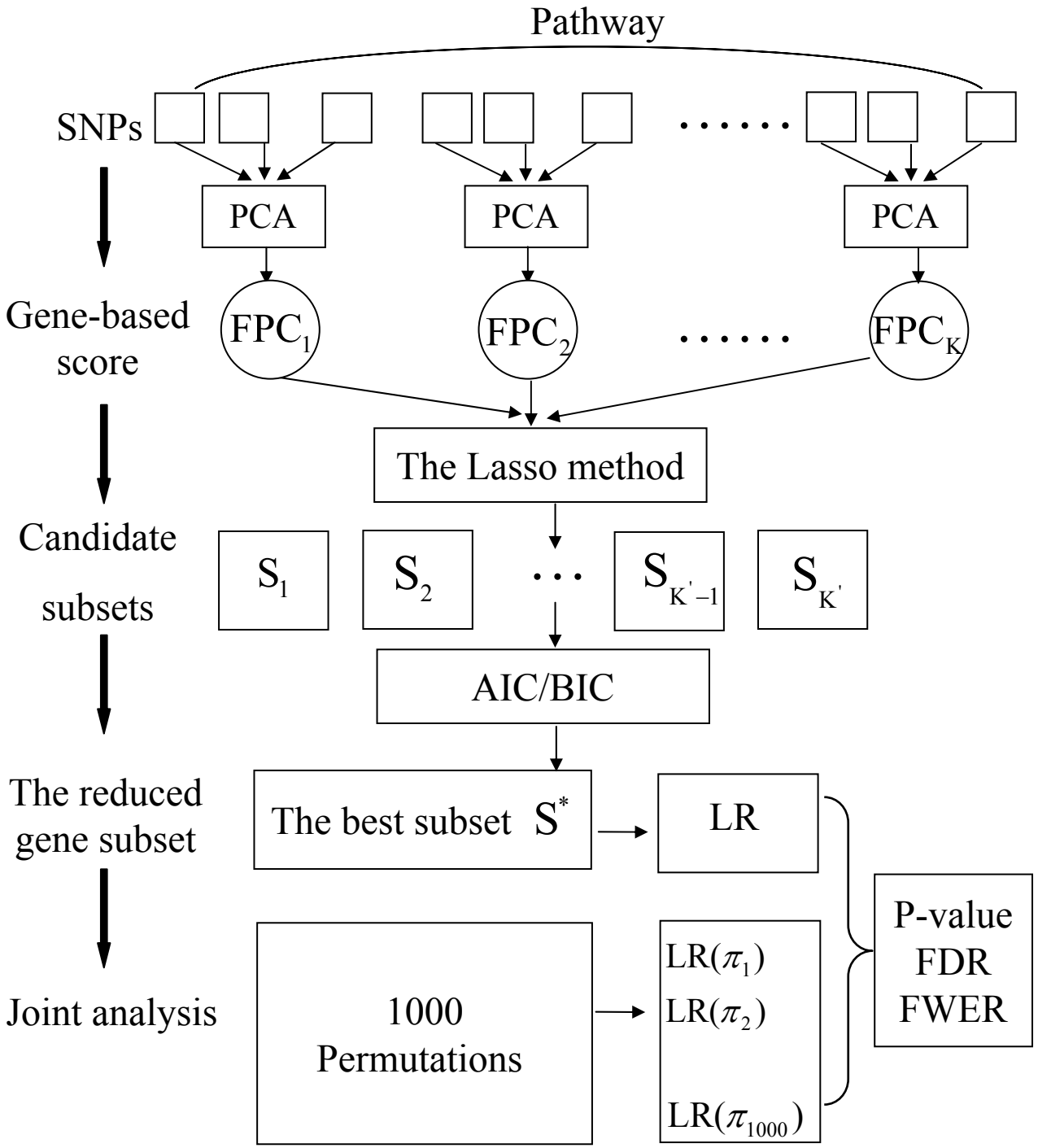
Pathway
SNPs
PCA
PCA
PCA
Gene-based score
FPC1
FPC2
FPCK
The Lasso method
Candidate subsets
S1
S2
SK'–1
SK'
AIC/BIC
The reduced gene subset
The best subset S*
LR
Joint analysis
1000 Permutations
LR(π1)
LR(π2)
LR(π1000)
P-value
FDR
FWER