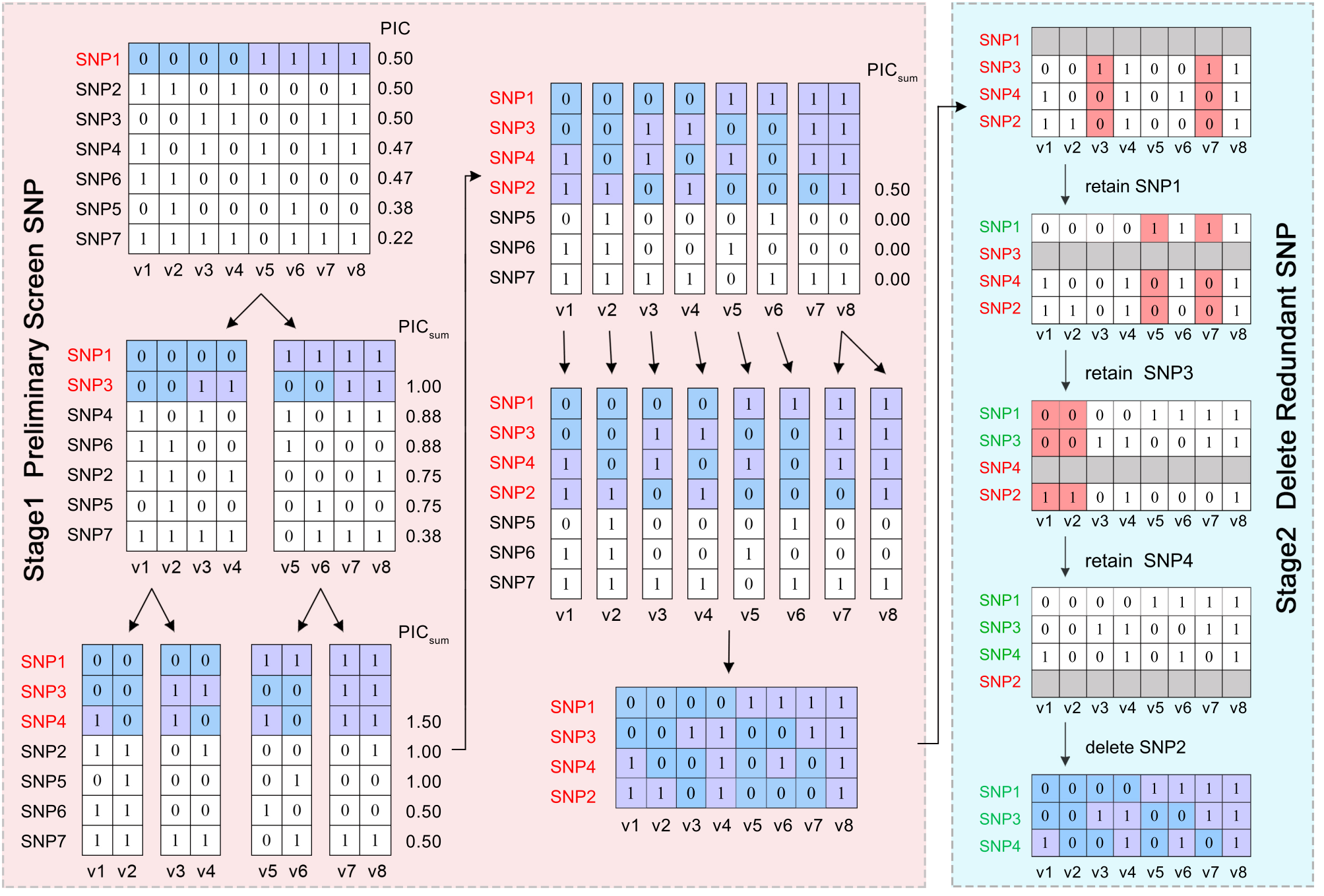

Stage1 Preliminary Screen SNP
PIC
SNP1 0 0 0 0 1 1 1 1 0.50
SNP2 1 1 0 1 0 0 0 1 0.50
SNP3 0 0 1 1 0 0 1 1 0.50
SNP4 1 0 1 0 1 0 1 1 0.47
SNP6 1 1 0 0 1 0 0 0 0.47
SNP5 0 1 0 0 0 1 0 0 0.38
SNP7 1 1 1 1 0 1 1 1 0.22
v1 v2 v3 v4 v5 v6 v7 v8
PIC_sum
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1 1.00
SNP4 1 0 1 0 1 0 1 1 0.88
SNP6 1 1 0 0 1 0 0 0 0.88
SNP2 1 1 0 1 0 0 0 1 0.75
SNP5 0 1 0 0 0 1 0 0 0.75
SNP7 1 1 1 1 0 1 1 1 0.38
v1 v2 v3 v4 v5 v6 v7 v8
PIC_sum
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 1 0 1 0 1 1 1.50
SNP2 1 1 0 1 0 0 0 1 1.00
SNP5 0 1 0 0 0 1 0 0 1.00
SNP6 1 1 0 0 1 0 0 0 0.50
SNP7 1 1 1 1 0 1 1 1 0.50
v1 v2 v3 v4 v5 v6 v7 v8
PIC_sum
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 1 0 1 0 1 1
SNP2 1 1 0 1 0 0 0 1 0.50
SNP5 0 1 0 0 0 1 0 0 0.00
SNP6 1 1 0 0 1 0 0 0 0.00
SNP7 1 1 1 1 0 1 1 1 0.00
v1 v2 v3 v4 v5 v6 v7 v8
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 1 0 1 0 1 1
SNP2 1 1 0 1 0 0 0 1
SNP5 0 1 0 0 0 1 0 0
SNP6 1 1 0 0 1 0 0 0
SNP7 1 1 1 1 0 1 1 1
v1 v2 v3 v4 v5 v6 v7 v8
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 1 0 1 0 1 1
SNP2 1 1 0 1 0 0 0 1
v1 v2 v3 v4 v5 v6 v7 v8
Stage2 Delete Redundant SNP
SNP1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 0 1 0 1 0 1
SNP2 1 1 0 1 0 0 0 1
v1 v2 v3 v4 v5 v6 v7 v8
retain SNP1
SNP1 0 0 0 0 1 1 1 1
SNP3
SNP4 1 0 0 1 0 1 0 1
SNP2 1 1 0 1 0 0 0 1
v1 v2 v3 v4 v5 v6 v7 v8
retain SNP3
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4
SNP2 1 1 0 1 0 0 0 1
v1 v2 v3 v4 v5 v6 v7 v8
retain SNP4
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 0 1 0 1 0 1
SNP2
v1 v2 v3 v4 v5 v6 v7 v8
delete SNP2
SNP1 0 0 0 0 1 1 1 1
SNP3 0 0 1 1 0 0 1 1
SNP4 1 0 0 1 0 1 0 1
v1 v2 v3 v4 v5 v6 v7 v8