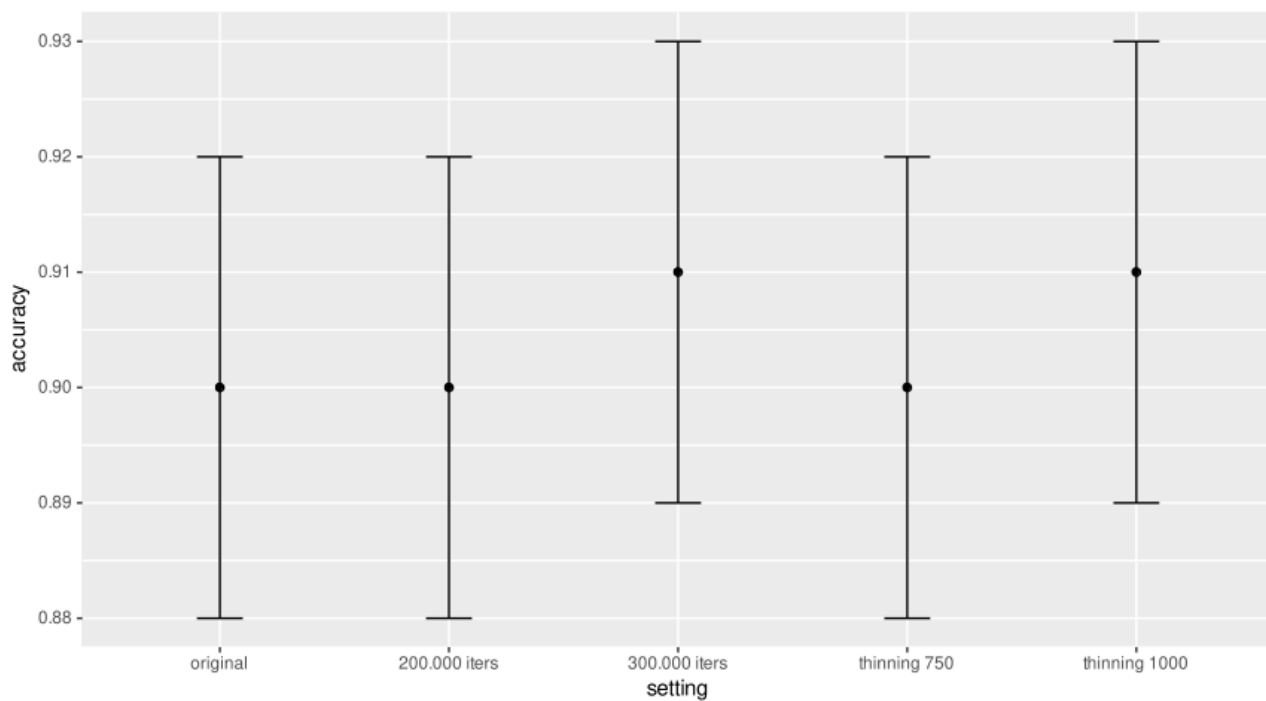
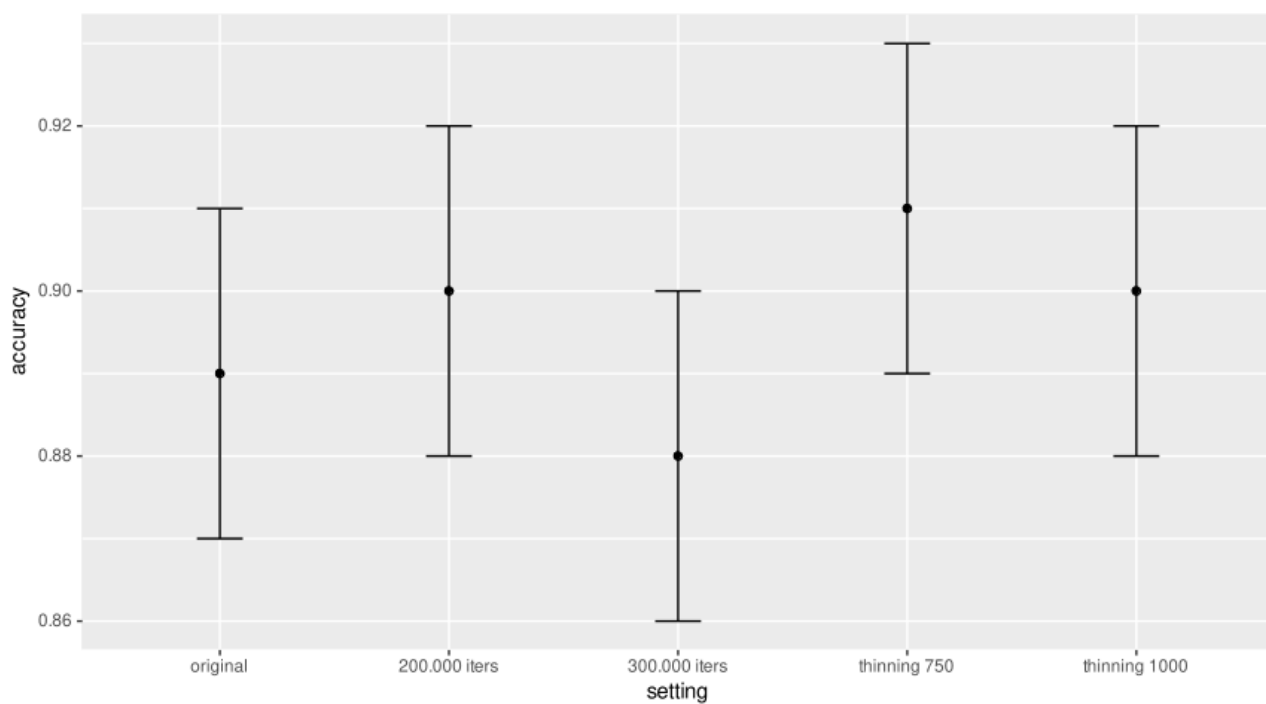
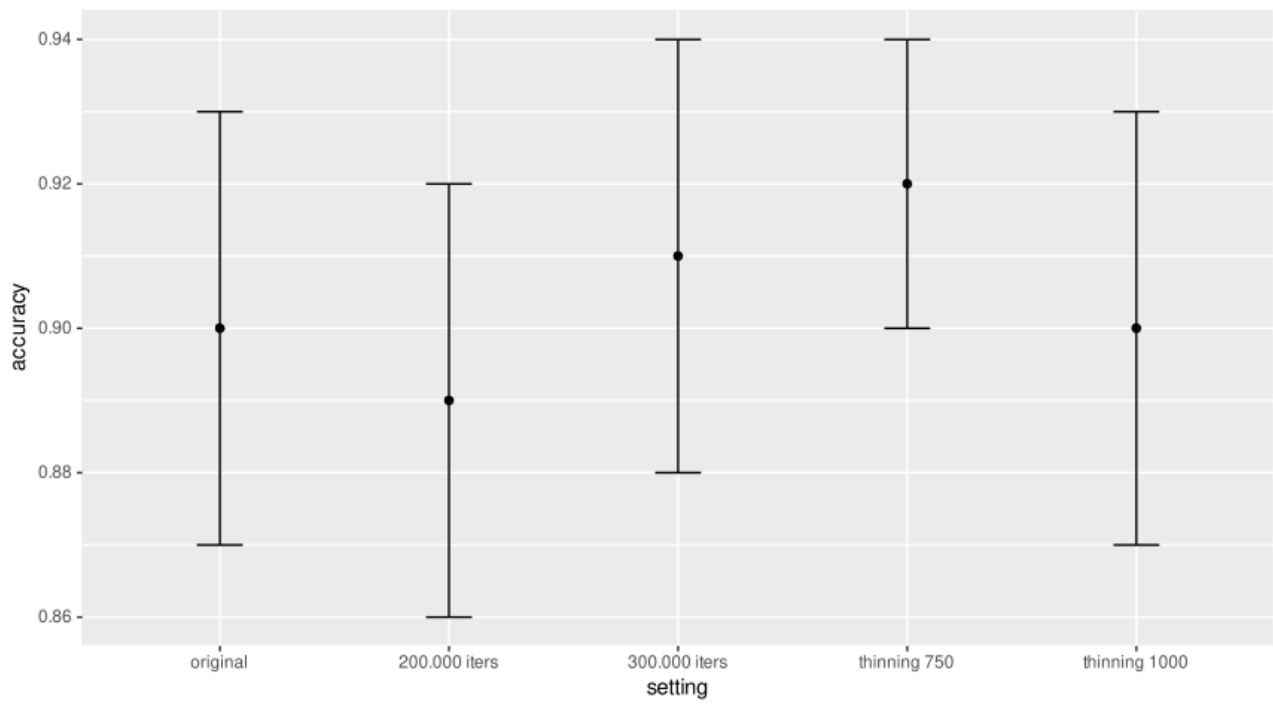




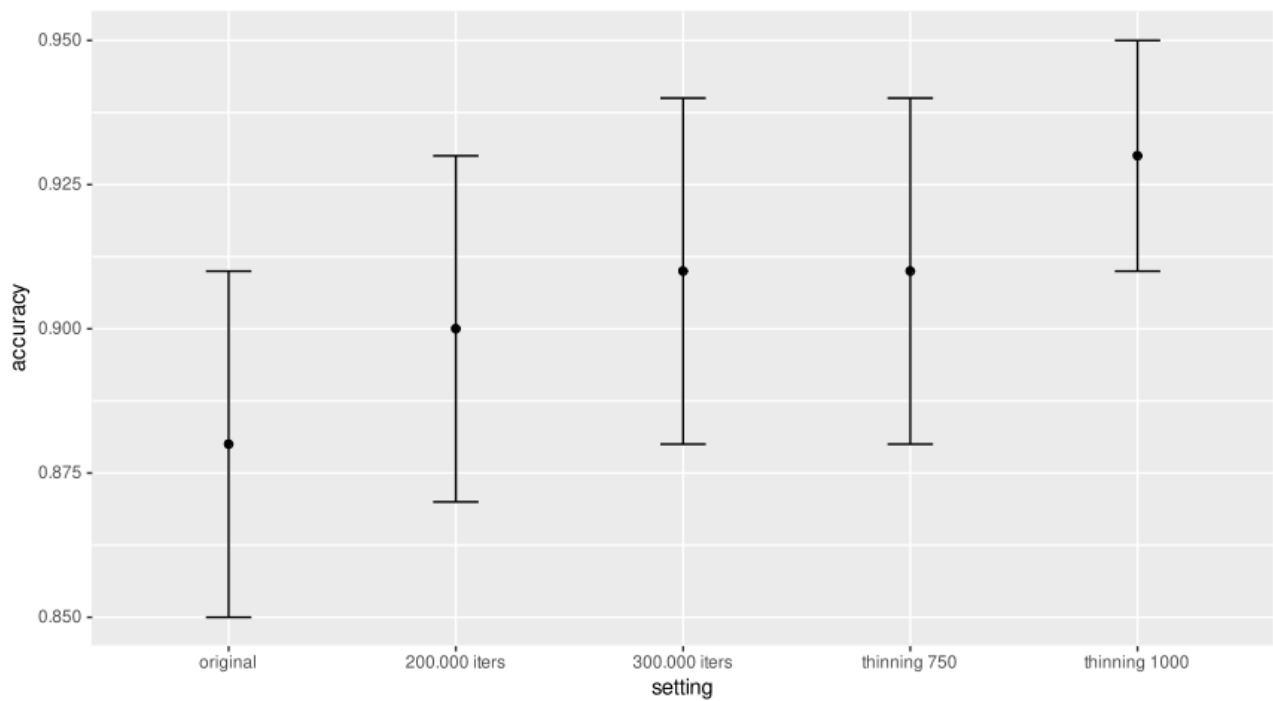
Supplementary Figure 1: Different IntOMICS parameters setting in TCGA-COAD NAT and the resulting accuracy with 83% confidence intervals.



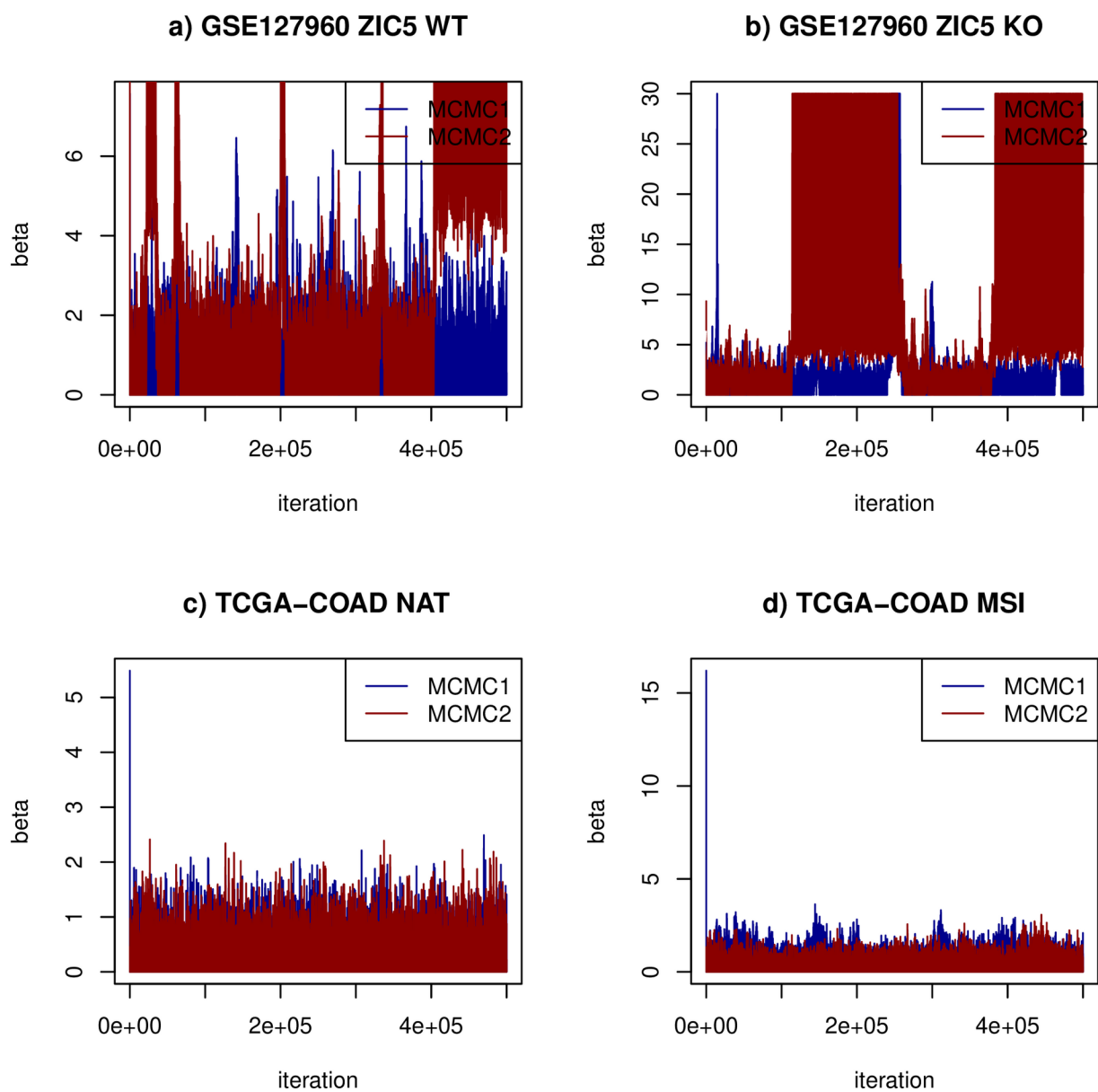
Supplementary Figure 2: Different IntOMICS parameters setting in TCGA-COAD MSI and the resulting accuracy with 83% confidence intervals.



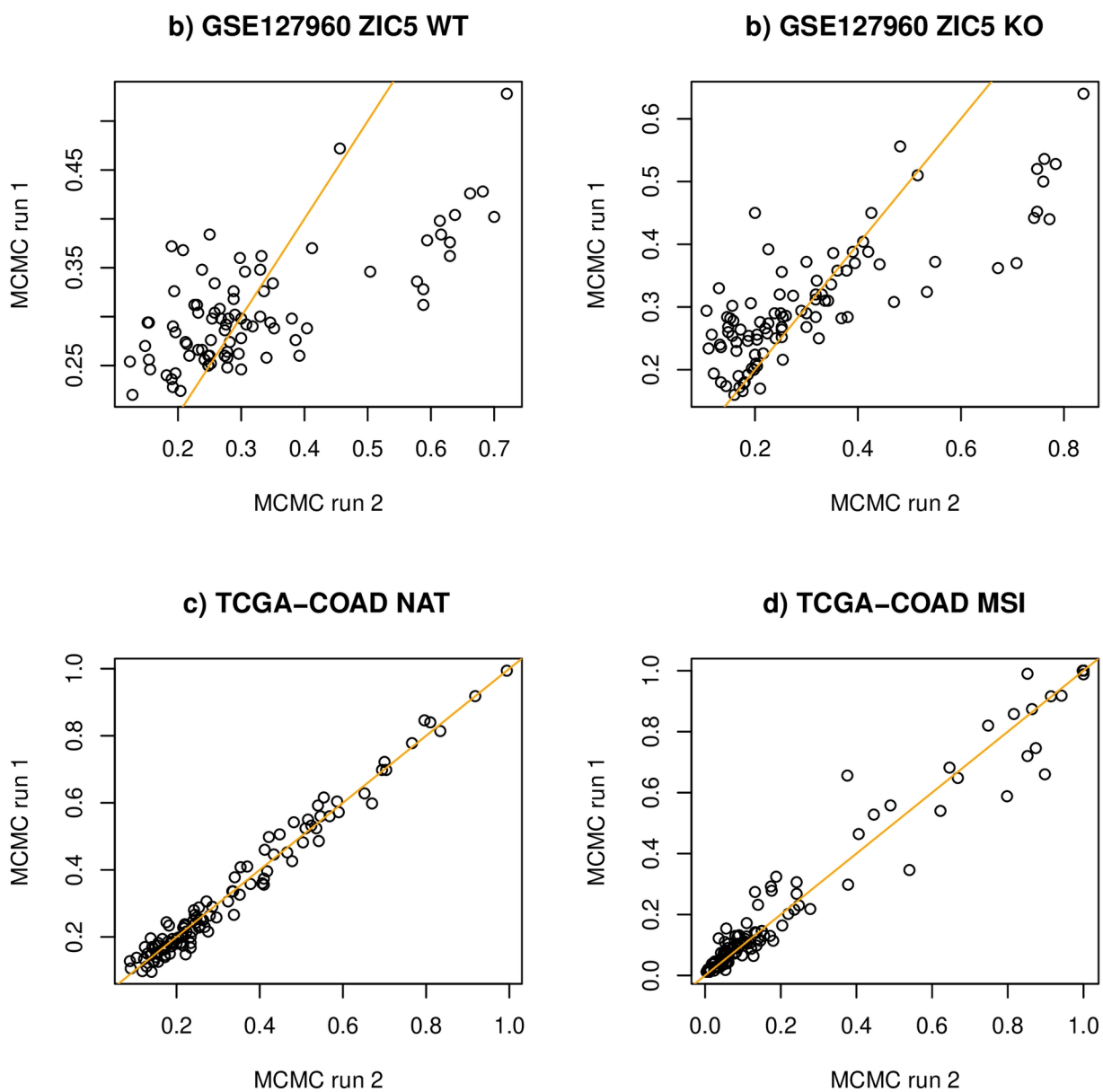
Supplementary Figure 3: Different IntOMICS parameters setting in GSE127960 WT and the resulting accuracy with 83% confidence intervals.



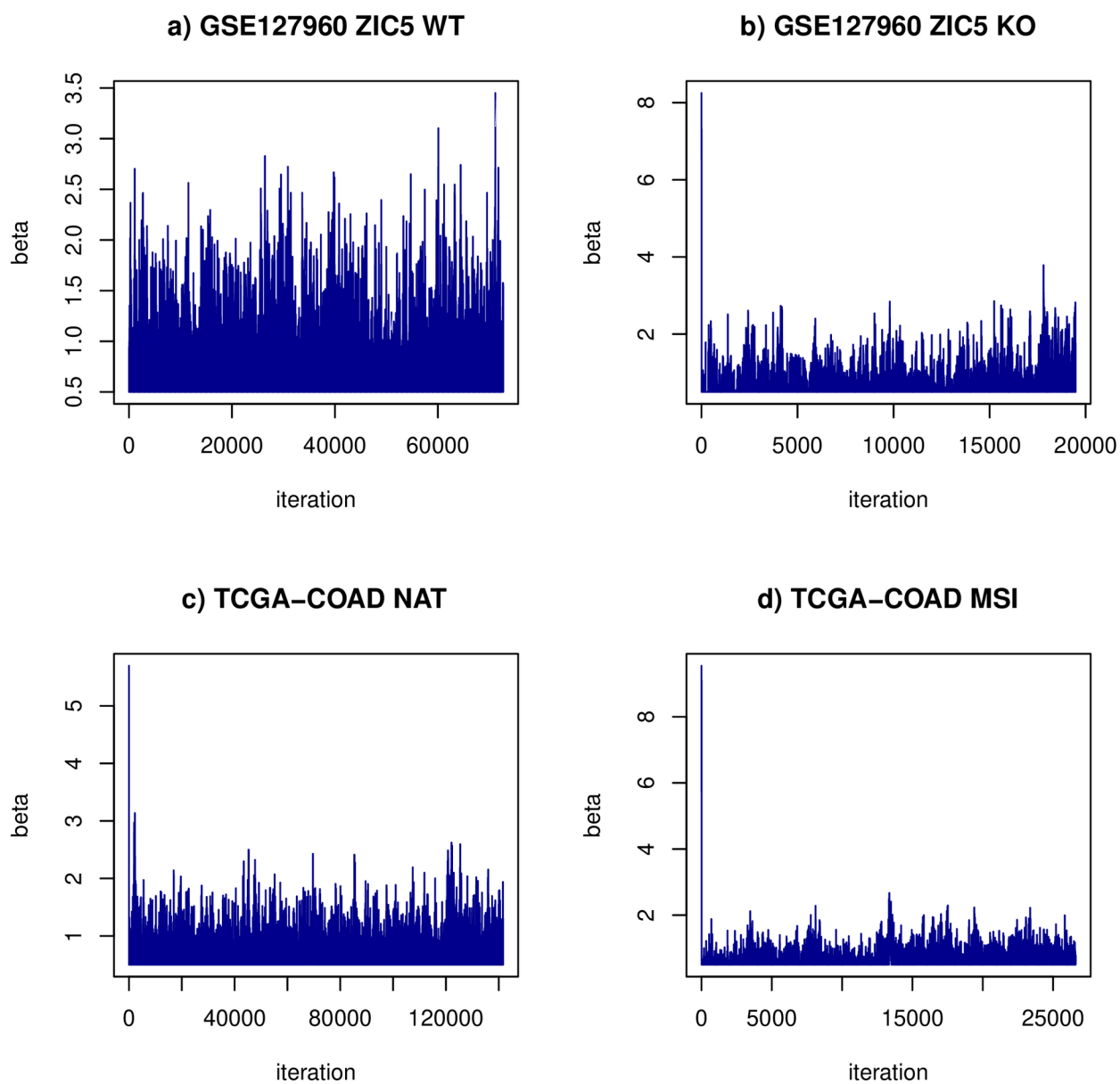
Supplementary Figure 4: Different IntOMICS parameters setting in GSE127960 KO and the resulting accuracy with 83% confidence intervals.



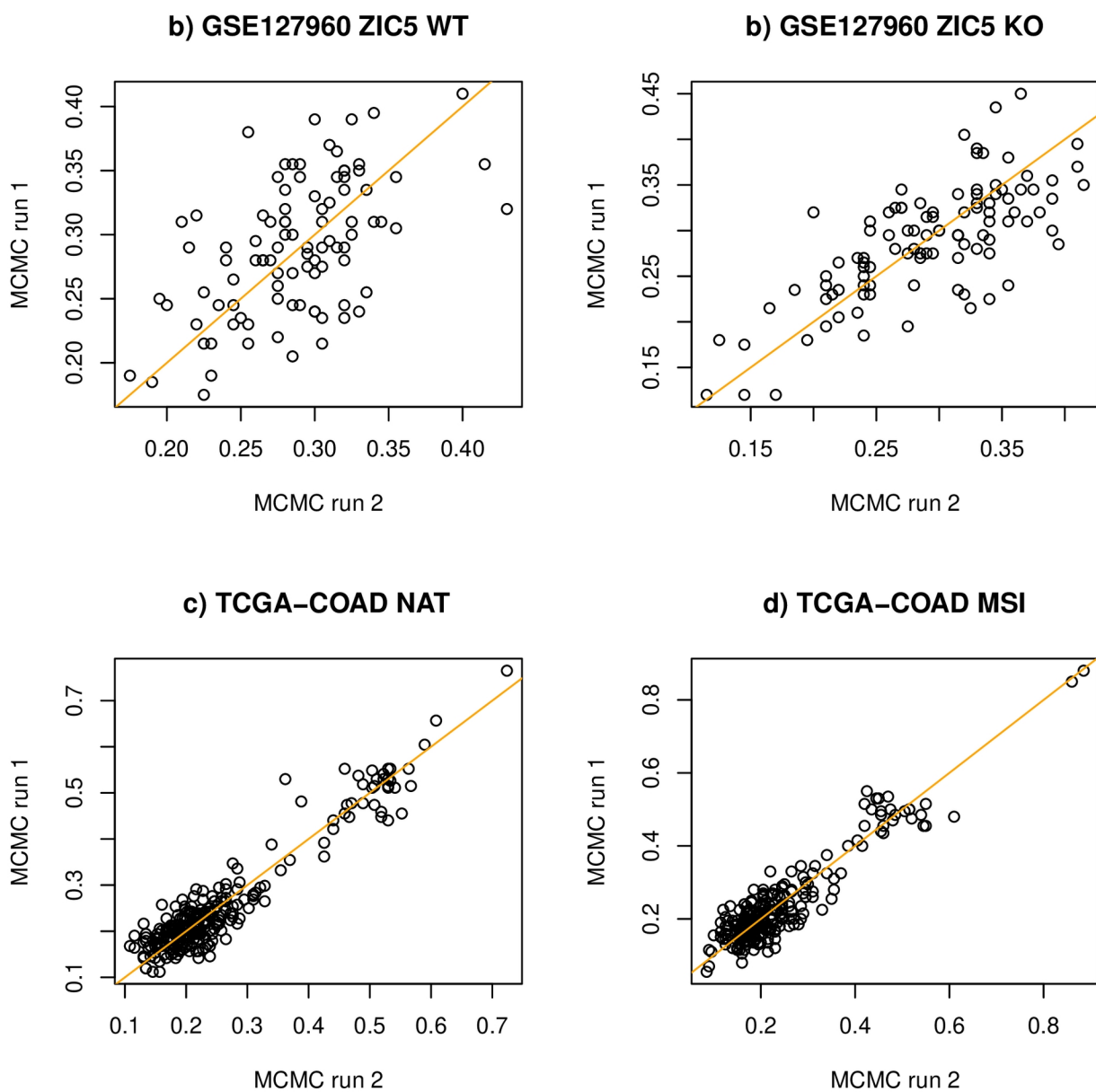
Supplementary Figure 5: Trace plot of β values using the W&H algorithm.



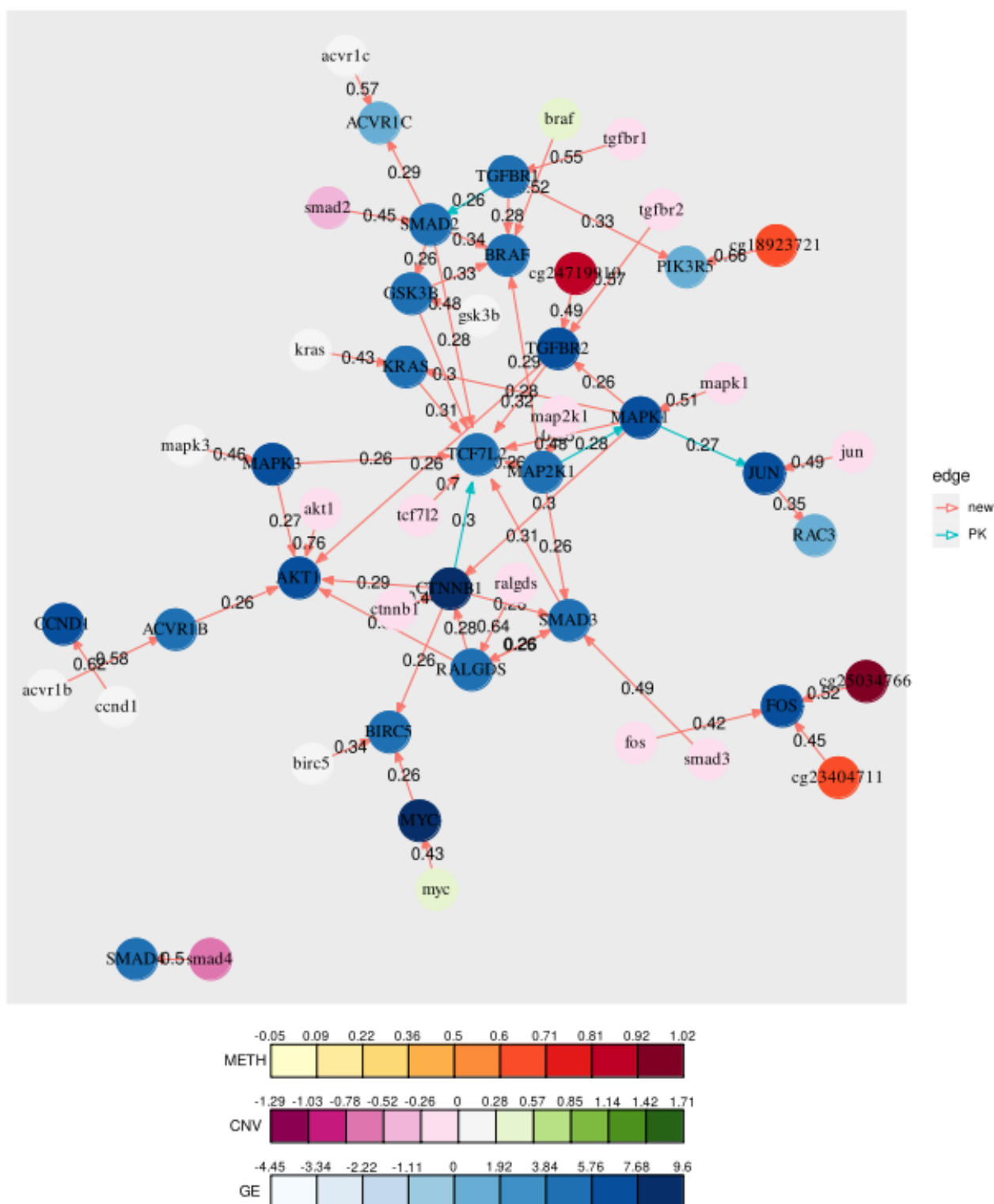
Supplementary Figure 6: Consistency in the marginal posterior probabilities of the edges using the W&H algorithm.



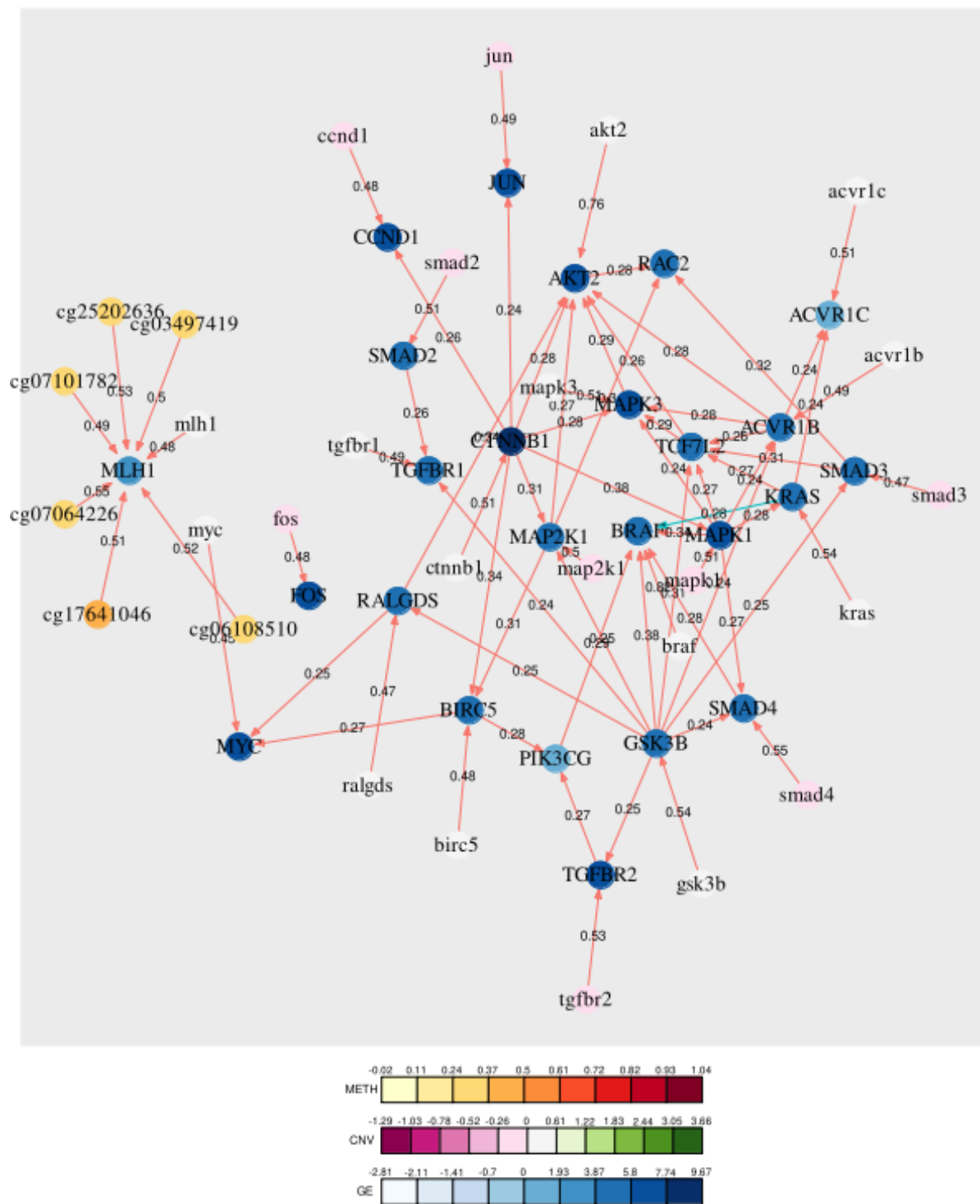
Supplementary Figure 7: Trace plot of β values using the IntOMICS algorithm.



Supplementary Figure 8: Consistency in the marginal posterior probabilities of the edges using the IntOMICS algorithm.



Supplementary Figure 9: Regulatory network inferred by IntOMICS algorithm using TCGA-COAD MSS stageII/III samples.



Supplementary Figure 10: Regulatory network inferred by IntOMICS algorithm using TCGA-COAD MSI samples.