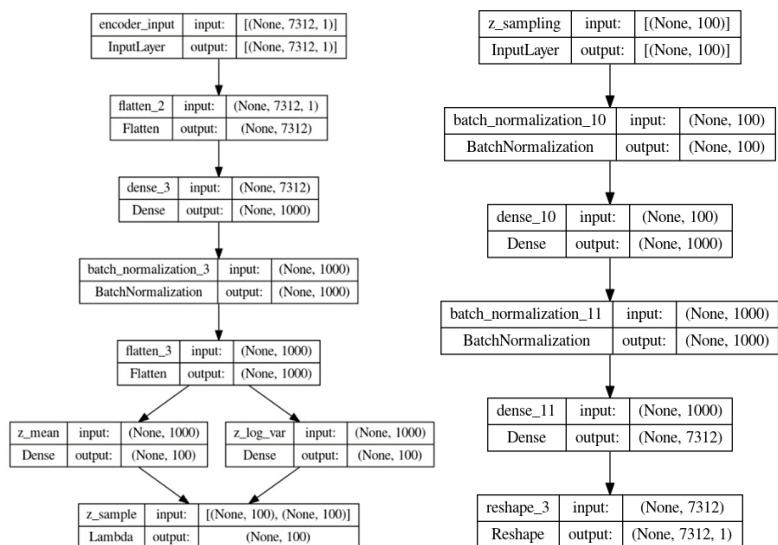
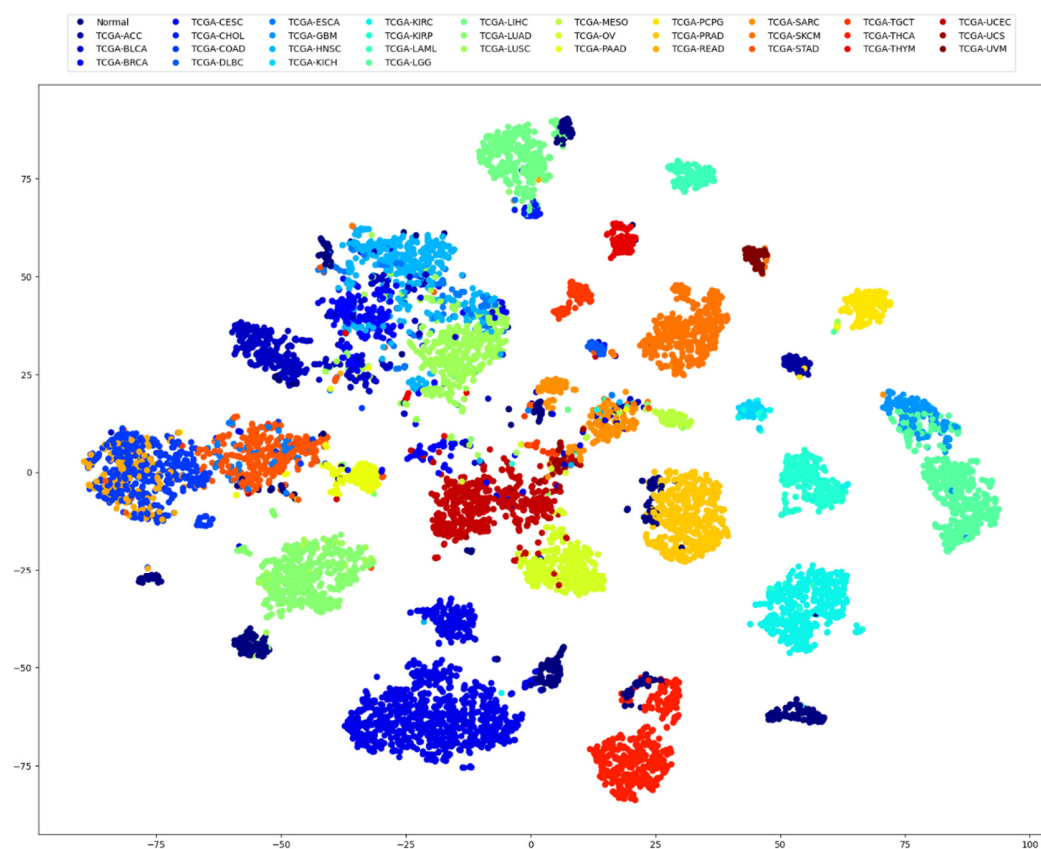


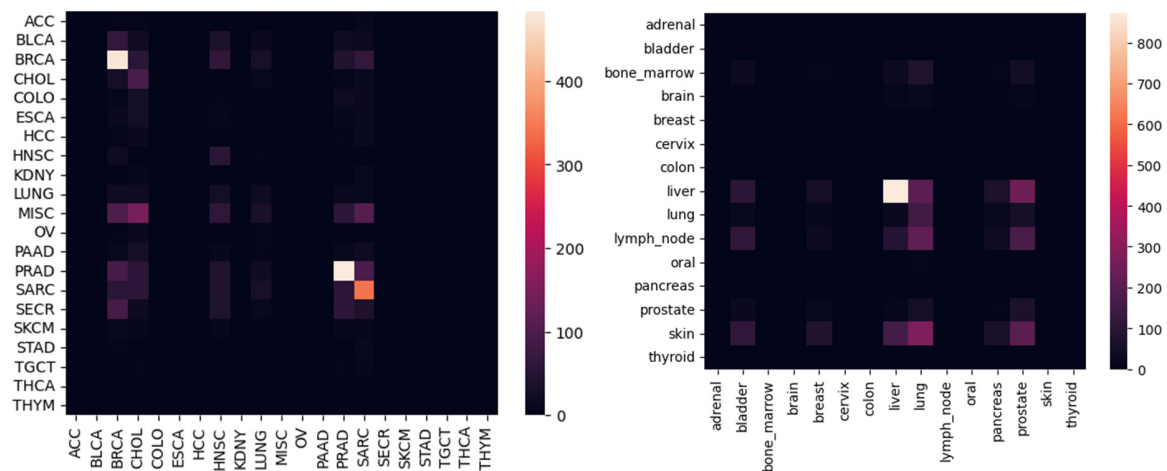
Supplementary Figure S1. Structure of MetGen.



Supplementary Figure S2. Structure of MetVAE.



Supplementary Figure S3. Primary tumor distribution.



Supplementary Figure S4. Confusion matrix of benchmarking.