SUPPLEMENTARY FIGURES



Supplementary Figure 1. Multimodal transformer learning curves on the train and 20% hold-out test datasets.



Supplementary Figure 2. Example of target ID output for idiopathic pulmonary fibrosis. Top-200 genes from expression classifiers were applied as a gene list in PandaOmics corresponding project for idiopathic pulmonary fibrosis, and a filter for small molecules was applied to identify druggable targets. Twenty genes highly ranked by PandaOmics are shown.



Supplementary Figure 3. Example of target ID output for Parkinson's disease. Top-200 genes from expression classifiers were applied as a gene list in PandaOmics corresponding project for PD, and a filter for small molecules was applied to identify druggable targets. Twenty genes highly ranked by PandaOmics are shown.



Supplementary Figure 4. Example of target ID output for heart failure. Top-200 genes from expression classifiers were applied as a gene list in PandaOmics corresponding project for heart failure, and a filter for small molecules was applied to identify druggable targets. Twenty genes highly ranked by PandaOmics are shown.



Supplementary Figure 5. Distribution by age (A) and tissues (B) for DNAm samples. Data was obtained from CNCB EWAS data hub. Ages distributed from 0 to 110 years. Most of the samples are blood samples.



Supplementary Figure 6. Distribution by age (A) and tissues (B) for RNA-seq samples. Data are obtained from the GTEx project. Ages are distributed between 20 and 70 years. Brain and Skin samples comprise a bigger part of the dataset.