

## **Supplementary material:**

### **A Pan-cancer Somatic Mutation Embedding using Autoencoders**

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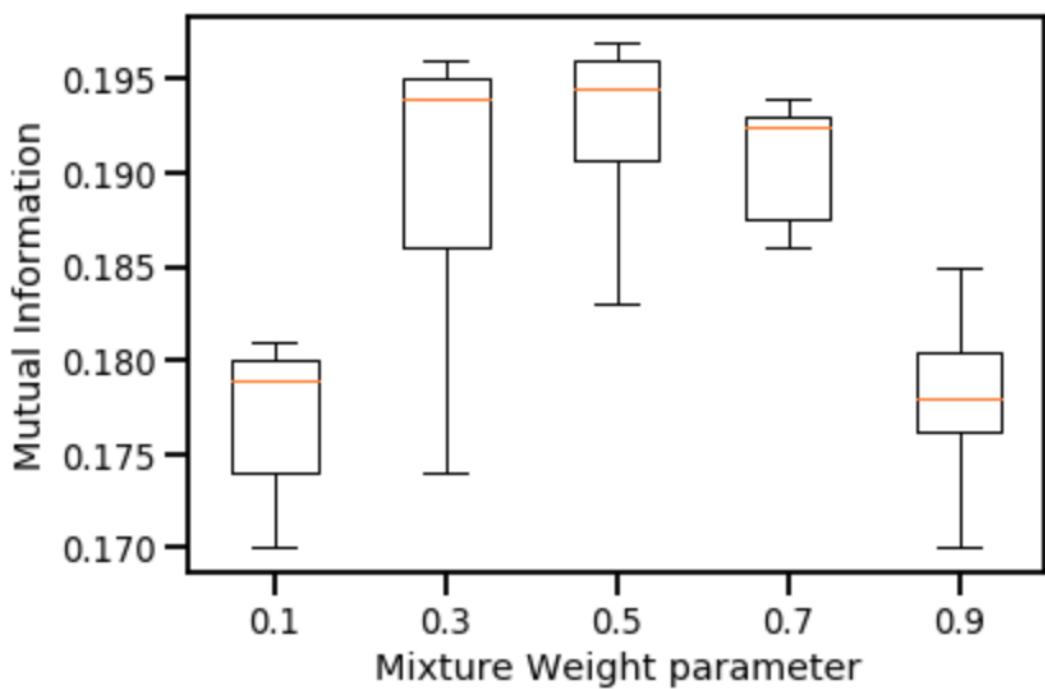
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**Figure S1. Mixture weight parameter.** Mutual information values after cross validation for different values of  $\alpha$  parameter. The final value of the mixture weight parameter is  $\alpha = 0.5$  since it maximizes the mutual information score.