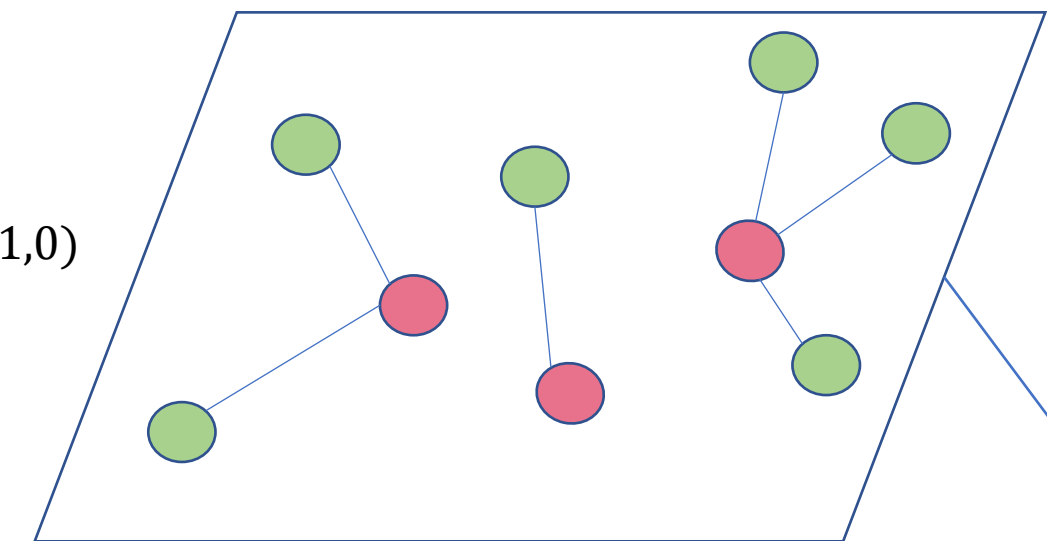
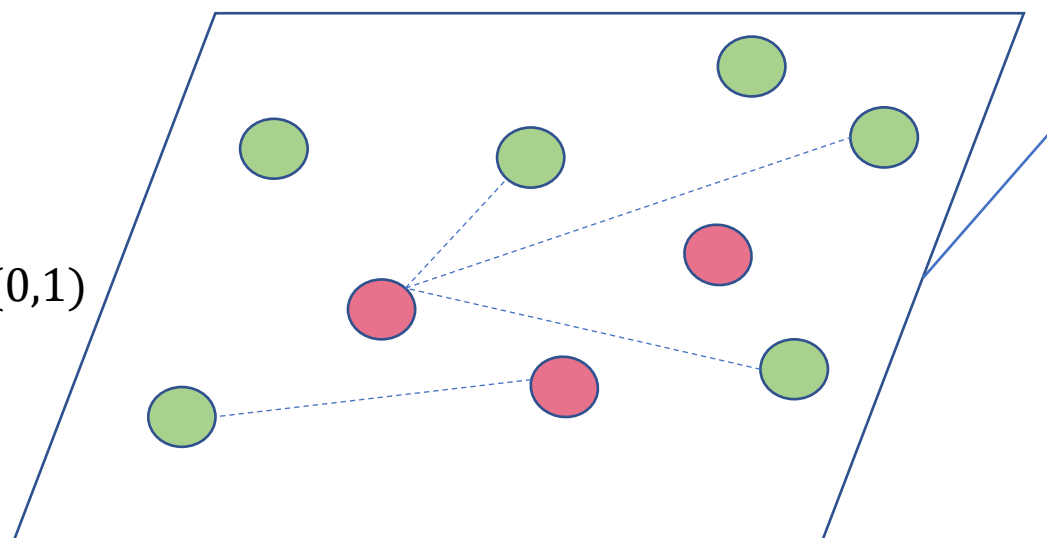


a $\vec{m} = (1,0)$  $\vec{m} = (0,1)$ 

Entropy
Maximization

$$p_{ij}^{(1,0)} = \frac{e^{-(\lambda_i^{(1,0)} + \mu_j^{(1,0)})}}{1 + e^{-(\lambda_i^{(1,0)} + \mu_j^{(1,0)})} + e^{-(\lambda_i^{(0,1)} + \mu_j^{(0,1)})}}$$

$$p_{ij}^{(0,1)} = \frac{e^{-(\lambda_i^{(0,1)} + \mu_j^{(0,1)})}}{1 + e^{-(\lambda_i^{(1,0)} + \mu_j^{(1,0)})} + e^{-(\lambda_i^{(0,1)} + \mu_j^{(0,1)})}}$$

$$p_{\text{conditional}} = \frac{p_{ij}^{(1,0)}}{p_{ij}^{(1,0)} + p_{ij}^{(0,1)}}$$



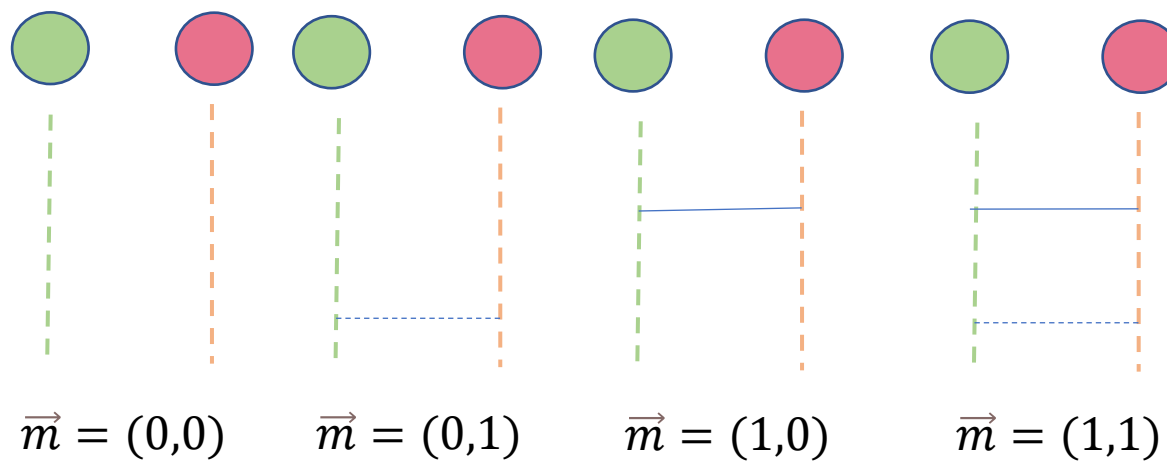
Protein



Ligand

Binding

Non-binding



Annotation

Unknown

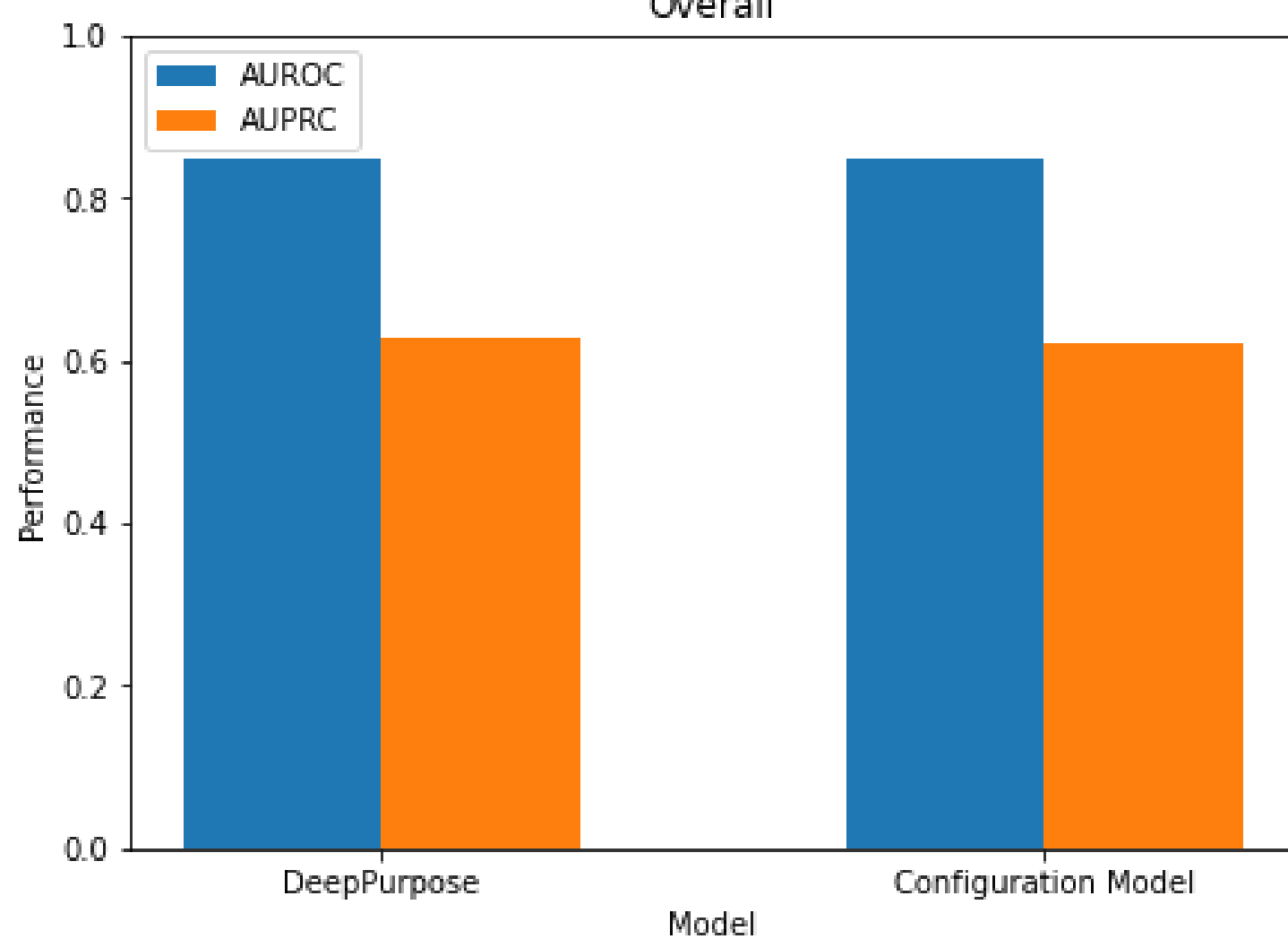
Positive

Negative

Not Possible

b

Overall



Different Tests

