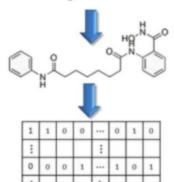
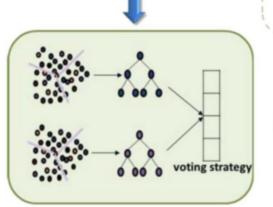


Drug Molecule



Molecular Fingerprint Descriptor

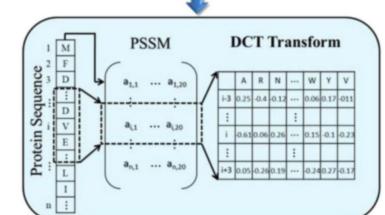
Fusion of Multi-Source Features



Rotation Forest Classifier



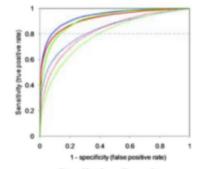
Protein



$$DCT(i,j) = d_i d_j \sum_{x=0}^{M-1} \sum_{y=0}^{N-1} f(x,y) \cos \frac{\pi (2x+1)i}{2M} \cos \frac{\pi (2y+1)j}{2N}$$

$$DCT(i, j) = d_i d_j \sum_{x=0}^{M-1} \sum_{y=0}^{N-1} f(x, y) \cos \frac{\pi (2x+1)i}{2M} \cos \frac{\pi (2y+1)j}{2N}$$

$$d_i = \begin{cases} \sqrt{\frac{1}{M}}, & i = 0 \\ \sqrt{\frac{2}{M}}, & 1 \le i \le M-1 \end{cases} d_j = \begin{cases} \sqrt{\frac{1}{N}}, & j = 0 \\ \sqrt{\frac{2}{N}}, & 1 \le j \le N-1 \end{cases}$$



Prediction Results