

## Input Layer

Vectorised protein sequence  
shape: [1, 20, sequence length]

### Convolution Layer 1

#### Conv2D

1 channel  
20x21 kernel  
same width padding

#### Activation

ReLU

### Convolution Layer 2

#### Conv2D

1 channel  
1x21 kernel  
same padding

#### Activation

ReLU

### Convolution Layer 3

#### Conv2D

1 channel  
1x21 kernel  
same padding

#### Activation

Sigmoid

## Output Layer

Disorder classification  
shape: [1, 1, sequence length]