Clip-Based Multi-Class Phase Recognition

	LSTM	BiLSTM	GRU	BiGRU	Transformer	Mamba
VGG16	71.4 (2.2)	70.2 (3.5)	69.9 (4.9)	67.9 (1.6)	70.7 (3.2)	61.2 (3.2)
VGG19	70.5 (3.9)	72.9 (5.2)	73.0 (5.6)	70.7 (3.2)	69.5 (4.5)	64.9 (3.7)
ResNet50	74.3 (4.3)	74.7 (2.4)	73.9 (2.1)	75.8 (4.7)	77.5 (1.9)	68.7 (3.5)
ResNet152	78.4 (2.4)	78.5 (2.6)	77.1 (1.6)	77.5 (3.8)	79.4 (1.1)	75.1 (2.9)
InceptionV3	73.3 (3.7)	76.1 (1.5)	77.0 (4.2)	75.8 (2.7)	75.3 (2.7)	74.3 (3.0)
MobileNet	71.3 (3.7)	73.1 (3.2)	70.9 (4.2)	72.7 (3.4)	73.9 (3.6)	72.6 (3.4)
DenseNet121	74.7 (3.1)	76.6 (4.5)	76.8 (2.1)	75.8 (2.4)	75.7 (2.5)	72.3 (2.8)
DenseNet201	73.6 (3.3)	77.2 (2.4)	75.1 (2.9)	74.8 (2.5)	74.0 (1.9)	75.7 (3.8)
EfficientNetB0	65.5 (3.0)	68.8 (3.1)	67.2 (1.2)	69.2 (0.7)	67.0 (2.4)	69.2 (3.4)
EfficientNetB2	66.2 (3.5)	69.3 (3.2)	69.5 (2.9)	69.7 (2.4)	67.1 (2.3)	66.9 (2.5)