

Supplementary Table 2. Convolution Neural Network architecture.

Layer	Filter Size	Stride	Spatial Size
Input	N/A	N/A	[3, 90]
Convolution1	[32,5]	1	[32, 86]
Pooling1	[2]	2	[32, 43]
Convolution2	[64,5]	1	[64, 43]
Pooling2	[2]	2	[64, 22]
Convolution3	[128,5]	1	[128, 22]
Pooling3	[2]	2	[128, 11]
Convolution4	[256,5]	1	[256, 11]
Pooling4	[2]	2	[256, 6]
Dropout4	N/A	N/A	[256, 6]
Convolution5	[512,5]	1	[512, 6]
Pooling5	[2]	2	[512, 3]
Dropout5	N/A	N/A	[512, 3]
Fully-Connected6	N/A	N/A	[3]
Softmax	N/A	N/A	[3]