Table S1: The key layers in *Phsior* with convolutional and fully connected layers.

Layer	Specification	Specification
Input	35x24x3	–
Convolution	5x5x3x16	ReLU
Max-Pooling	3x3x3	Strides=2
Convolution	1x1x3x32	ReLU
Convolution	5x5x3x48	ReLU
Max-Pooling	2x2x3	Strides=2
Softmax	4	Tanh