



**Supplemental Figure 1.** Model architecture used for training. Strides were set to 1 for all convolutional filters and maxpooling steps. The number of convolutional filters at each step is shown along with the filter sizes. The output of the model is the predicted rod-mediated dark adaptation rod intercept time. The loss used is mean squared error with a batch size of 26 and Nesterov-Adam optimizer with a learning rate of  $2 \times 10^{-4}$ .