

Appendix S6

Summary of the secondary model.

Layer (type)	Output Shape	Param #	Connected to
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TENSOR_input (InputLayer)	[(None, 221, 351, 0		

conv2d_1 (Conv2D)	(None, 221, 6, 4)	212	
TENSOR_input[0][0]			

conv2d (Conv2D)	(None, 221, 1, 4)	100	conv2d_1[0][0]

flatten (Flatten)	(None, 884)	0	conv2d[0][0]

VEKTOR_input (InputLayer)	[(None, 37)]	0	

concatenate (Concatenate)	(None, 921)	0	flatten[0][0]
VEKTOR_input[0][0]			

dropout (Dropout)	(None, 921)	0	concatenate[0][0]

dense_2 (Dense)	(None, 512)	472064	dropout[0][0]

dense_1 (Dense)	(None, 256)	131328	dense_2[0][0]

dense (Dense)	(None, 128)	32896	dense_1[0][0]

main_output (Dense) (None, 1) 129 dense[0][0]

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Total params: 636,729

Trainable params: 636,729

Non-trainable params: 0
