

Description of Additional Supplementary Files

Supplementary Movies

Supplementary Movie 1: animated versions of Figure 4 of the main text, for sample number 1 of the testing set.

Supplementary Movie 2: animated versions of Figure 4 of the main text, for sample number 2 of the testing set.

Supplementary Movie 3: animated versions of Figure 4 of the main text, for sample number 3 of the testing set.

Supplementary Movie 4: animated versions of Figure 4 of the main text, for sample number 4 of the testing set.

Supplementary Movie 5: animated versions of Figure 4 of the main text, for sample number 5 of the testing set.

Supplementary Movie 6: animated versions of Figure 4 of the main text, for sample number 6 of the testing set.

Supplementary Movie 7: animated versions of Figure 4 of the main text, for sample number 7 of the testing set.

Supplementary Movie 8: animated versions of Figure 4 of the main text, for sample number 8 of the testing set.

Supplementary Movie 9: animated versions of Figure 4 of the main text, for sample number 9 of the testing set.

Supplementary Movie 10: animated versions of Figure 4 of the main text, for sample number 10 of the testing set.

Supplementary Movie 11: animated versions of Figure 5 of the main text, for sample number 1 of the testing set.

Supplementary Movie 12: animated versions of Figure 5 of the main text, for sample number 2 of the testing set.

Supplementary Movie 13: animated versions of Figure 5 of the main text, for sample number 3 of the testing set.

Supplementary Movie 14: animated versions of Figure 5 of the main text, for sample number 4 of the testing set.

Supplementary Movie 15: animated versions of Figure 5 of the main text, for sample number 5 of the testing set.

Supplementary Movie 16: animated versions of Figure 5 of the main text, for sample number 6 of the testing set.

Supplementary Movie 17: animated versions of Figure 5 of the main text, for sample number 7 of the testing set.

Supplementary Movie 18: animated versions of Figure 5 of the main text, for sample number 8 of the testing set.

Supplementary Movie 19: animated versions of Figure 5 of the main text, for sample number 9 of the testing set. - **Supplementary Movie 20:** animated versions of Figure 5 of the main text, for sample number 10 of the testing set.

Supplementary Movie 20: animated versions of Figure 5 of the main text, for sample number 10 of the testing set.

Supplementary Movie 21: animated versions of Figure 6 of the SI, for sample number 1 of the testing set. - **Supplementary Movie 22:** animated versions of Figure 6 of the SI, for sample number 2 of the testing set.

Supplementary Movie 23: animated versions of Figure 6 of the SI, for sample number 3 of the testing set.

Supplementary Movie 24: animated versions of Figure 6 of the SI, for sample number 4 of the testing set.

Supplementary Movie 25: animated versions of Figure 6 of the SI, for sample number 5 of the testing set.

Supplementary Movie 26: animated versions of Figure 6 of the SI, for sample number 6 of the testing set.

Supplementary Movie 27: animated versions of Figure 6 of the SI, for sample number 7 of the testing set.

Supplementary Movie 28: animated versions of Figure 6 of the SI, for sample number 8 of the testing set.

Supplementary Movie 29: animated versions of Figure 6 of the SI, for sample number 9 of the testing set.

Supplementary Movie 30: animated versions of Figure 6 of the SI, for sample number 10 of the testing set.

Supplementary Movie 31: animated versions of Figure 8 of the main text, for 3 different samples of the testing set.