

Figure S3**A 32°C LDA Model**

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.84	0.96	0.89	52,830
p(duplexing) ≥ 0.2	0.98	0.91	0.94	109,772
Average/total:	0.93	0.93	0.93	162,602

B 37°C LDA Model

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.86	0.97	0.91	66,706
p(duplexing) ≥ 0.2	0.98	0.89	0.93	96,073
Average/total:	0.93	0.92	0.92	162,779

C 42°C LDA Model

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.91	0.97	0.94	85,640
p(duplexing) ≥ 0.2	0.96	0.89	0.93	77,252
Average/total:	0.93	0.93	0.93	162,892

D 47°C LDA Model

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.95	0.95	0.95	109,068
p(duplexing) ≥ 0.2	0.91	0.90	0.91	53,861
Average/total:	0.94	0.94	0.94	162,929

E 52°C LDA Model

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.96	0.96	0.96	135,249
p(duplexing) ≥ 0.2	0.82	0.82	0.82	27,548
Average/total:	0.94	0.94	0.94	162,797

F 57°C LDA Model

<u>Class</u>	<u>Precision</u>	<u>Recall</u>	<u>F₁ Score</u>	<u>Support</u>
p(duplexing) < 0.2	0.97	0.99	0.98	156,633
p(duplexing) ≥ 0.2	0.67	0.31	0.43	6,278
Average/total:	0.96	0.97	0.96	162,911