



## **Latent Prints Summary Report Test No. 10-516**

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This test was sent to 433 participants. Each sample pack contained photographs of twelve latent prints and four sets of known finger and palm imprints. Participants were asked to compare these and report their findings. Data were returned from 331 participants (76% response rate) and are compiled into the following tables:

	<u>Page</u>
<a href="#"><u>Manufacturer's Information</u></a>	<u>2</u>
<a href="#"><u>Summary Comments</u></a>	<u>3</u>
<a href="#"><u>Table 1: Latent Identifications</u></a>	<u>4</u>
<a href="#"><u>Table 2: Additional Comments</u></a>	<u>18</u>
<a href="#"><u>Appendix: Data Sheet</u></a>	<u>24</u>

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

# Manufacturer's Information

Each sample pack consisted of photographs of known finger and palm imprints of four individuals and photographs of twelve latent "crime scene" prints. Ten latent prints were made by the individuals for whom inked imprints were provided; two were from two different individuals whose inked prints were not provided.

Verification: The expected Identifications and Not Identified responses were reported by the predistribution examiners.

The latents were made by persons as follows:

Latent No.	Print Source	
5A	Item 2, Left Index	(2LI)
5B	Item 2, Left Thumb	(2LT)
5C	Item 3, Right Middle	(3RM)
5D*	Item 1, Right Thumb	(1RT)
5E	Item 4, Left Middle	(4LM)
5F	Item 1, Left Index	(1LI)
5G	Not Identified, -	(NI)
5H	Item 2, Right Palm	(2RP)
5I	Item 3, Right Index	(3RI)
5J	Item 4, Right Index	(4RI)
5K	Not Identified, -	(NI)
5L	Item 1, Right Little	(1RL)

\*Please note: Based on the overall statistics for this test, CTS has determined that a consensus was not achieved for Item 5D.

## **Summary Comments**

This test was designed to allow participants to assess their proficiency in the identification of latent finger and palm prints. Ten latent prints (5A-5F, 5H-5J, 5L) were made by one of four individuals for whom inked imprints were provided (Items 1-4). Two latents (5G, 5K) were from two individuals whose inked prints were not provided (See Manufacturer's Information).

Although there were twelve latent prints to be examined in this test, the results for Item 5D were such that CTS did not consider that a consensus result had been obtained and therefore no inconsistencies were assigned to the reported results for this Item. There were 236 participants (71%) who identified this print with the expected "1RT" however ninety-five participants (29%) did not identify it ("NI" or blank.) Only six comments were received about this print including "poor contrast" and "additional standards required". The following Summary Comments therefore refer to only the eleven latents for which a consensus was obtained. Please be aware that when the results are reviewed by another source (Accrediting Body/Laboratory) a different population may be examined. It will be up to the laboratory/accrediting body to determine the use of print 5D in the evaluation of that population.

Of the 331 responding participants, 305 (92%) reported the expected nine identifications and two non-identifications. There were twenty-six participants who reported inconsistent results for one or more latents. Nineteen of these reported the expected individual but not the expected finger for one or more Items. Of these, fifteen reported "4RP" rather than the expected "4RI" for Item 5J. This may reflect particular laboratory policies on reporting. A number of participants commented that they used the palm card for this identification although the ten print card could also have been used for the identification. Additionally four participants reported "4RI,RP" and two of those stated that both the palm print and the 10-print could be used to identify this print.

Five participants did not identify one or more of the latents for which known prints were provided and two reported inconsistent identifications for multiple latents.

In addition to the 1:1 latent print images, participants were provided with 2X enlargements of each Item 5 print. CTS requested feedback on these because they had not been provided in previous tests. A large majority of participants responded that these were a valuable addition to the test. CTS will therefore continue to offer these with future Latent Print Tests.

# Latent Print Identifications

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
247366	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
24FVLK	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2767DD	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
28Z8JJ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2A6H9D	2 LI	2 LT	3 RM		4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2DNRMZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2FV2W9	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2GNCUB	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2HXQT4	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
2PDQE3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
2YQ3YK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
32UP29	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
36TM9A	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
38DRQ6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
38ZLK9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3EXJ97	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3G9XYR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3HHGNA	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3LAEV8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3P3KVC	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
3PWGTK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
3UCXDB	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
488NNE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
48E667	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
49RARQ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4ERN37	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4F7MJE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4JKX4Q	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4L9FAJ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4PNCZ9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4RY7XK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
4XZMTZ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
62FDWA	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
6KQQJB	2 LI	2 LT	3 RM	NI*	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
6Q9UR8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
6TCZBY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	NI*
6VAGDA	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
6XWVLW	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
72ZR2J	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
74ELKX	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
78Q638	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7CDW7U	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7CHD6T	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7DTW7F	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7ENWB2	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7GRUDG	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
7JEUHY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	NI
7JJ8GE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7T6BB9	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
7WHFKN	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7XUJL8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
7YUCLZ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
82AFJW	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
82XF2U	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
83NV24	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8BMQ6F	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8PYVA2	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8QME3M	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8WHYG4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8ZL749	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
8ZWDPP	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
933GDR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
96Q4RZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
9948KH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
999PHG	2 LT	NI	NI	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI,RP	NI	1 RL
9CTYQZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
9D69Z6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
9EUZTH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
9MMXGY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
9ZQHJP	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
A3Z7WE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
A7YKGJ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
A8RVH8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
AB9TQZ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
AGYBZ6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
AHH9WW	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
AM27Z6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ARLXPE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ATGHAT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
AWGU7T	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP*	NI	1 RL
AWYXL7	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
AYD7ER	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
B4C8M8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
B94MPZ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BABRF3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BDG9X7	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BDP7NN	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BE7JNY	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BFD478	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BP3Q2A	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BPABBD	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BPWGXX	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
BWT4F6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
C3DDE2	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
C4LPUH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
C7LGKN	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
C9FN67	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CAB879	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CB4EF7	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
CE7FT9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
CGDUYE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CH6CZA	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CN89Y9	2 LI	2 LT	3 RM	1 RT*	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CUFQB9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CV9HCT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CVPY6Z	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
CXVY7F	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	NI	4 RI	NI	1 RL
D9RK8Q	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
DFURV7	2 LI	2 LT	3 LM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
DRBX49	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
DTL6HG	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
DWCC8X	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
DYMKRW	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
E7GLEN	2 LI	NI	3 RM	NI	4 LM	NI	3 LL	NI	NI	1 RI	1 LR	1 RL
E9L869	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
E9QAQD	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
EBCDKY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
EKJT7J	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL*
ENGVVY	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
EVELEN	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
EWYXWU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
EYK62H	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
EZCJ88	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
F3VVGW	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
FEBKK9	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
FKWMJX	2 LI	2 LT	3 RM	1 RT*	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
FN3GKV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
FNW8E6	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
FQ49AG	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
G3J8B4	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
G4969F	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
G62LE4	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
GATRZT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
GEUQJY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
GLJ3BZ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 LP	NI	1 RL
GW6UT4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
GWNATL	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
GZPR98	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
HB4XWU	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
HGNM46	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
HLJVP6	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
HT6TC8	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
J39BKN	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
J7PV84	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
J9T8R7	2 LI	2 LT	3 RM	1 RT	4 LM	NI	NI	2 RP	3 RI	4 RI	NI	1 RL
JDB6YR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
JL4HUL	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
JMRUGL	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
JN894L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
JQABCC	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
JTLA6E	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL*
JXPXKF	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
JZNMXV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
K2P2TY	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
K38AGM	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
K4MXTV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
K7M26V	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RP*	NI	1 RL
KF4QMP	2 LI	NI	3 RM	NI	4 LM	NI	NI	2 RP	NI	4 RI	NI	NI
KFCPZX	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KGMY7W	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KJQQ2Q	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KJTGAT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KLWTUV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KPGHRD	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KUMB94	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KV2D3A	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
KWHF2V	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LAXX86	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LEG7XW	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LGEVZD	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LMAEJM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LQBMLC	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LU4EAU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
LURFP7	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
LWUC4F	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
M9XYBW	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MATGCX	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MF66ME	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MFVDCX	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MJGDBE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MJJG7V	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MM2JAU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RR
MNDA8D	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MTUNWW	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
MUVEPY	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MVWZZ6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MWR2N3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
MXZV73	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
MZ3TGV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
N9YEFM	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
NJVHKG	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
NTHXCL	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
NWL39K	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
P2BBLQ	2 LI	2 LT	3 RM	NI*	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
P34PUV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
P9QB7N	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
P9UQJN	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PA6FER	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PBY29H	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
PENMLK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PK7LPT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PMAG9V	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PMFKBM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PN6YBW	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PNRJ7W	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
PQ9AD8	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PQFE43	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PRBW76	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PRHGCT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PRMWPU	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PT4DBT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PUAUD6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PUEBB4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PV8LMC	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PXVJWH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PY6LK3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
PY9LNU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Q3XVNU	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Q4KUND	2 RI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Q9QP8D	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Q9V86C	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QALMMU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
QCPH7W	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QDK28Y	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
QF8K9W	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QFN224	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QGKVZE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QGYURC	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QPHKJ4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QQD7CV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QV8GDF	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QVZTUV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
QW2QFB	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
QWVGAK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
RA6CJZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
RDJAN3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
RKV7F4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
RLQNH6	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
RTPEZV	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
RTRM4T	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
RX2LZE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
T2FB3N	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI,RP*	NI	1 RL
T3BYGD	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
T43K4U	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
T47HJE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
T6HV3L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TCKR3L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TCZMCF	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TF26VL	2 LI	2 LT	3 RM	NI*	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	NI*

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
TGQMLL	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TJYCV6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
TKTXPV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TMJ46L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TNVBNM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TPQVGE	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
TUPT2K	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
U2ZTYM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
U4MCZK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
U6VPF2	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
U7B4PW	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
U87PJM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UAJH32	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UDBC9H	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
UGRRKV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
UGYNKU	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UKEQFJ	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UKTVCH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UNT3WF	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UQWPKR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UUHMZV	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
UUVYWE	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
UWVFK9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
UYUG7T	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
V3BDH3	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
V3LK4J	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
V7AR6R	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
V8K93K	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VBFLMH	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VF2XRK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VFWFTL	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VGKP9B	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VH229L	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VJDD9G	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VK3M3R	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VMXJVD	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VWYP8L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
VWZ943	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
W24LBY	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
W2N4ML	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
W38Z3R	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
W4UFGF	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
W63W7Y	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
W8WC9W	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WBX9ZC	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WF6PNL	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WVFDY	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WLEA24	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
WNRBDJ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WQXZUT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
WTA9GR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
WWR6U3	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XBC96K	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XBHU6T	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XDKB2H	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XENNLJ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI,RP*	NI	1 RL
XFJBZ9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XGG38T	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XJADJ2	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XJPBET	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XMAGD9	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XPC6A6	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XR9CBM	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XRLNCR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
XX7A37	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Y474LZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
Y4PNPC	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
Y9XXCT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
YEL46E	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RP
YJ4HDZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
YPRUY4	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
YTVMYT	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
YVWY32	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
YZRA3L	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI*	NI	1 RL
Z9MHBK	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI,RP	NI	1 RL

TABLE 1

WebCode	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
ZCVZVZQ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ZE2MNC	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ZEZUNJ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ZL3FNT	2 LI	2 LT	3 RM	NI	4 LM	1 LI	NI	2 RP	3 RI	4 RP	NI	1 RL
ZMLWGZ	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ZQ4G3F	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL
ZQTQXR	2 LI	2 LT	3 RM	1 RT	4 LM	1 LI	NI	2 RP	3 RI	4 RI	NI	1 RL

Response Summary											Participants: 331	
	5A	5B	5C	5D	5E	5F	5G	5H	5I	5J	5K	5L
Consensus:	<b>2 LI</b>	<b>2 LT</b>	<b>3 RM</b>	<b>1 RT*</b>	<b>4 LM</b>	<b>1 LI</b>	<b>NI</b>	<b>2 RP</b>	<b>3 RI</b>	<b>4 RI</b>	<b>NI</b>	<b>1 RL</b>
Number:	<b>329</b>	<b>328</b>	<b>329</b>	<b>236</b>	<b>331</b>	<b>328</b>	<b>330</b>	<b>330</b>	<b>328</b>	<b>314</b>	<b>330</b>	<b>325</b>
Percent:	99%	99%	99%	71%	100%	99%	100%	100%	99%	95%	100%	98%
Not Identified (NI):	0	3	1	95	0	3	--	1	3	0	--	4
Other Identifications:	2	0	1	0	0	0	1	0	0	17	1	2
* A consensus was not achieved for Item 5D, please refer to the Summary Comments for more information.												

\* See Additional Comments

# Additional Comments

TABLE 2

WebCode	Additional Comments
2A6H9D	Unable to finish, too many distractions, very noisy, & my neck started to hurt.
2FV2W9	The enlargements were a welcomed addition.
2HXQT4	Photos of B, G, I & K could have been more in focus.
3EXJ97	Awesome idea, please continue to enlarge.
3P3KVC	The right palm print card of "Item 4" was also used in the identification of 5J.
3UCXDB	2x enlargements are a great addition.
48E667	It was nice to have the 2x photos for the messier latents.
4ERN37	Worse Q photos ever!!
4PNCZ9	I like the addition of the new 2x enlargements.
6KQQJB	Would like to see additional standards for 5D particularly the extreme sides of the thumbs.
6TCZBY	5L has characteristics consistent with right little of Item 1 but has insufficient characteristics to establish positive identification. 2 x enlargements are good.
78Q638	Did not use 2x photos in Cop/Exm.
82AFJW	I'm glad these were included because the quality of the 1x photos is still extremely substandard in my opinion. The clarity was poor due to extremely "grainy" images making the resolution unacceptable, often making it difficult to resolve very low contrast features in the print. I encourage CTS to publish in the Manufacturer's Information both the original resolution of the images, as well as the printer and paper information used to prepare the test. I would suggest if the same format is used in the future to actually include at least a 5X image in lieu of the 2x as many of the 1x images on this year's test created a more difficult than necessary exercise in analyzing the image. This laboratory will unlikely purchase the printed version in the future and will stick with the digital version if the quality of the printed photographs is not addressed, especially given that this has been a recurring theme that still has not been adequately resolved by CTS in my opinion.
82XF2U	On 5J, the palm print card was used to make the identification due to the fact that the area identified was from the area of the finger below the first joint.
8PYVA2	I like the enlargements. I was able to see detail not readily visible at 1:1.
8QME3M	I like the 2x enlargements. They are a great addition to the test and should be included in future tests.
933GDR	I really liked the 2x images. Images on this examination were a lot clearer than previous exams.
96Q4RZ	No matching prints for 5G & 5K. 2x enlargements helped me to identify poor quality latents.
999PHG	The 2x enlargements are helpful as the 1x lack the clarity normally associated w/ the direct object. Also, need to add an "Inconclusive" category to answers.
9CTYQZ	The 2x enlargements helped to see characteristics for the prints which were light and seemed somewhat blurred.
A3Z7WE	I liked the 2x enlargements. I also thought some of the latents were harder to identify than in some of the past tests.
A7YKGJ	I found the addition of the enlargements helpful when trying to determine the relevance of outlying minutiae.
A8RVH8	The enlargements were, in most instances, clearer than the 1:1. I like their inclusion and are

TABLE 2

WebCode	Additional Comments
	softer on the eyes.
AHH9WW	Some of the 1x photo's[sic] could have been better. They looked as though they were poorly printed by an inkjet printer. The 2x did help in narrowing the search quicker.
ARLXPE	The 2x enlargements were an excellent addition to the exam and hope to see these on all future tests.
AWGU7T	5J - ID made to 2nd digit of right index finger - palm card.
AWYXL7	Poor quality images again. The dots from the ink jet printer interfere with the characteristics of the latent images. Fortunately the larger images helped when characteristics could not be discerned in the 1:1 print. CTS once used a very good method of printing the test, and it is suggested that they return to that method or find a method that is as good. Ink jet printers are a poor choice for the reproduction of evidence that will be examined under magnification.
B4C8M8	Latent Impression 5J is from the 2nd joint. Finger #2 of Josh Baskin (Item #4).
BABRF3	Helped (The 2x enlargements) to provide a clearer picture. It is what might/should take place in the real world of comparisons.
BFD478	I felt the printed quality of latents was very poor quality. In future the quality needs to be improved for examiners.
BPABBD	I found the 2x enlargements to be very helpful in comparing the latent prints to known prints. Thank you for offering.
BPWGXX	The 2x enlargements are a great addition to the test. I used everyone of them when analyzing and comparing the latent prints to the records on this exam. Excellent improvement to the test!
C3DDE2	They were helpful, though not indispensable, because I have access to a flatbed scanner/photoshop. Other agencies may not have those tools to assist them.
C7LGKN	L.P. 5J can be id'd with Item #4 (fingerprints and RT-palm).
CAB879	I like the 2x enlargements.
CE7FT9	The 2x enlargements were a much better help when working with your injet[sic] print outs due to increased resolution and ridge detail clarity. Unless you are going to give us the actual lift, this at least makes the test a little more fair.
CGDUYE	5G - Exclusion, 5K - Exclusion. The (2x) images were very helpful. *Some images were distorted.
CN89Y9	I have worked in fingerprints for over forty years. The last twenty-five in latent fingerprints. I liked the 2x enlargements, I found them useful. I'd like to comment on the validity of your test. I expect the latent prints on these tests to be "doctored" in some way, and not be actual latent prints from cases. They can be brushed out, out of focus, poor contrast, areas blocked out, etc. This brings us to image "5D" on this test. Image 5D is a complete fabrication. Experienced latent print examiners analyze latent prints for information to aid them in conducting the comparisons with known prints. Latent print 5D is not a true representation of a latent print. I would like to know the substrate this latent print was made on? What is the transfer medium? How many times it had to be put down? How and why it was decided to smear/change the latent print to make it appear that a delta is present? Latent print professionals understand that proficiency tests are good for our science. It defeats the purpose of a test when you use latent prints that have been fabricated to look like something they are not.
CVPY6Z	5G - could not locate. 5K - could not locate.
CXVY7F	Able to see clearer on the 2x enlargements in certain areas of the 1x.

TABLE 2

WebCode	Additional Comments
D9RK8Q	5J - Palm card (RP) of Item #4 was used for identification.
DTL6HG	Latent prints 5G and 5K were not identified as they were eliminated as having been made by the friction ridge skin depicted in the standards in Items 1, 2, 3, and 4. The 2x enlargements were very helpful for comparison and I found the overall quality of the images of the latents and the standards to be much better than previous years.
E9L869	Don't care much about the 2x enlargements, since we only compare 1 to 1 with fingerprint card.
EKJT7J	The new 2x enlargements are great! Latent 5L is very, very borderline. It is not a print that I probably would have identified in my daily casework. Not appropriate for a competency test. (It is reminiscent of ID's that are on the IAI latent cert. test!) Overall clarity and photo quality are much improved from the last CTS test I took.
EWYXWU	Complaints: A) The images could use more contrast. Some seemed faint. B) The test had a funky odor. Compliments: - The 2X enlargements were very helpful.
EYK62H	I found the 2x enlargements to be helpful; portions of the 2x enlargements appeared to be clearer than the 1x images.
FKWMJX	Enlargements were very helpful, tough one was (5D) until I looked further into the palm cards.
FQ49AG	2X enlargements were very helpful - keep using them.
G62LE4	* Used medial joint recording from right palm recording.
GWNATL	I found the 2x enlargements extremely helpful and a great time saver.
GZPR98	Enlargements seemed clearer and more focused than 1:1, made preliminary analysis easier.
HB4XWU	I like the enlargements.
HT6TC8	LP #5J #2 on both 10-print & palm print card.
J39BKN	Enlargements are very helpful in minimizing "dotty" effect of inkjet printing.
J7PV84	I found the 2x enlargements to be helpful on some on[sic] of the latents.
J9T8R7	2x enlargement helped. I thought the quality of the photographs were not very good and the examinations would have been much more difficult without the enlargements.
JQABCC	The latent print enlargements were helpful; they helped establish better clarity than with just the 1:1 latent images alone.
JTLA6E	The 2x enlargement are a great help for clarity/detail. #5L is more level of ability than proficiency[sic].
K2P2TY	Liked the 2x - found some of the 1:1 prints hard to see using mag. due to picture/latent quality.
K38AGM	The new 2x enlargements were a nice addition - helpful in preliminary search.
K7M26V	5-J I identified to Item #4 RP, it is also #4 right index finger.
KGM7W	5D, 5G, 5K - did not see. In favor of the 2x enlargements.
KJQQ2Q	I actually used the 2x enlargements when doing my comparisons. I found them easier & more clearer[sic] to look at as compared to the 1x photos.
KUMB94	Appreciated the 2x enlargements.
LAXX86	Inked jet prints with 2x enlargements? These photographs do not meet my lab's standards for quality for latent print photography. No more ink jet photographs.
LMAEJM	Insufficient data provided about object or surface from which each print was recovered, processing method, & image recovery to permit complete analysis of unknowns. 2x

TABLE 2

WebCode	Additional Comments
	enlargements helpful for comparisons given limited resolution of printers.
LQBMLC	I found the 2x enlargements very useful. They also allow a higher quality when the marks are scanned.
LURFP7	The 2x enlargements are a nice addition to the test.
LWUC4F	On 5J - I used the palm card also (right).
MF66ME	Latent numbers 5G and 5K were not identified to any of the suspects and were deemed as "spares".
MFVDCX	The 2x enlargements were beneficial with the comparison process. Good idea!
MTUNWW	I found the enlargements very helpful, and may not have been able to make some of the IDs without them. *5J - item 4, #2, middle joint (seen best on the right palm card).
MWZZ6	I really liked the new 2x enlargements and found them to be useful. I hope CTS continues to include these enlargements for all proficiency tests.
MXZV73	The enlargements were nice to have. Good quality photographs.
P2BBLQ	5D - I would consider this inconclusive and request additional standards.
PENMLK	The 2x enlargements were very useful and would be appreciated on future latent print tests.
PMAG9V	I would like to continue to receive the 2x enlargements in future tests.
PNRJ7W	The 2x enlargements were very helpful. They were very clear and better than the 1x.
PQFE43	The enlargements were helpful.
PT4DBT	2x enlargements, excellent idea. Latents too easy to test skill level.
PUAUD6	The enlargements were helpful in scanning the knowns for the initial target.
PV8LMC	Latents marked as 5G and 5K not identified to any of the exemplar prints. The inclusion this year of the 2x enlargements was a great help and is more in line with the sizings of latents presented in actual case work.
Q4KUND	The new 2x enlargements are of great help and a very good idea.
Q9QP8D	Images appearing in 5G and 5K are not identified with the prints supplied by persons listed as items 1, 2, 3 & 4. The new 2 x enlargements supplied by CTS were of good quality and assisted with the identification process.
QALMMU	Note***5J is identified to the #2 right index finger of Item 4. It is the 2nd joint of finger #2 on the Right Palm. I really like the enlargements of the Latent Prints.
QDK28Y	5J Item 4 #2 Joint area.
QGKVZE	5G & 5K not identified with inked impressions supplied.
QPHKJ4	I found the 2x images necessary in order to make identifications on Items 5B and 5I. 5G excluded from Items 1 through 4. 5K excluded from Items 1 through 4.
QW2QFB	5J = Item 4 - RI - medial phalange - used palm print. 5G & 5K not identified to known fingers or palms. 2x enlargements were useful - provided more clarity in latent images.
RA6CJZ	The 2x enlargements were extremely helpful. Great idea!
RKV7F4	The enlargements are a great aid in locating area and for making identifications.
RLQNH6	5J could also be considered/called 2nd Digit or some may include it as palm. The photos and enlargements are better in quality than the last exam I took from this company.
RTPEZV	*5J Item 4 #2 right index - 2nd joint (Rt Palm).
T2FB3N	Since I use a glass the enlargements were not useful or used. #5J - This ident can + was

TABLE 2

WebCode	Additional Comments
	made on both the 10-print & palm card. Both answers are correct.
T43K4U	Enlargements very helpful considering the poor quality of the print-outs on the one to one photos. Once again, the contrast of these print-outs is unacceptable.
T6HV3L	If the Latents are of poor contrast, as some of these are, an enlarged image must be included. There needs to be a better printing process than the one that was used to produce these images. The availability of digital images would have greatly improved the ability to compare some of these images.
TCKR3L	Please stop with the intentionally poor contrast and the deliberately tricky latents (5D). The process is difficult enough without the added impediments. The 2x enlargements were a nice addition, particularly since the 1:1 latents were intentionally made to look poor.
TF26VL	Enlargement: no extra value. Latents 5D and 5L: some of experts did identify them, most of experts did find them no identifiable / no value for identification.
TJYCV6	*5J is joint of right index finger.
TNVBNM	I do not like the enlargements. They are useless to me and take up too much space. It would be useful to have the 1:1 (1x) prints on Item 5 to be on separate cards.
U6VPF2	The 2x enlargements speeds up the process. Tx.
U87PJM	Helpful.
UDBC9H	Latent 5J I had to utilize the right index finger on the right palm card.
UGYNKU	I really like the 2x enlargements. I think it improved clarity in some of the difficult (unclear) latents. Please continue to do this.
UKEQFJ	The enlargements were wonderful, less eye strain.
UUHMZV	5J - 2nd joint. I found the enlargements to be helpful.
UYUG7T	The 2x enlargements were very helpful.
VBFLMH	I didn't use the 2x enlargements.
VF2XRK	The 2x enlargements were helpful with the latents that were of poor clarity. Would like to see this continue.
VH229L	Some latents needed to be more clear or sharp in focus.
VWZ943	A+ for 2x enlargements really liked them.
W38Z3R	I appreciated the enlargements of the unknown impressions.
W4UFGF	The 2X enlargements were very helpfull[sic] in being able to see detail in the impressions that was unclear in the 1 to 1 photos. They took care of the usual complaints I have about the quality of the life size photo latents. Please continue this in future tests.
WLEA24	5J - used item #4 - right palm card 2nd joint of index finger (#2).
WQXZUT	There were twelve impressions of value for comparison from item 5. Impressions previously labeled 5A-5L and are said to have come from a lock box and desk drawer. The impressions from item 5 were compared to the fingerprint standards submitted (items 1-4). ACE+V methodology was used. Three impressions were identified to the fingerprint standards bearing the name Cynthia Benson (Item 1). Three impressions were identified to the fingerprint standards bearing the name Sarah Nolan (Item 2). Two impressions were identified to the fingerprint standards bearing the name Adrienne Willis (Item 3). Two impressions were identified to the fingerprint standards bearing the name Josh Baskin (Item 4).
WTA9GR	I thought the addition of 2x enlargements was very helpful. It helps to offset the light contrast (due to printing photos) that is typically seen with these tests.

TABLE 2

WebCode	Additional Comments
XBHU6T	The 2x enlargements are really helpful but an electronic format would even be better.
XENNLJ	I used the enlargements & felt they were useful. 5J can be identified to both the tenprint card and the palm on 5J both the RI and RP were marked for this reason.
XFJBZ9	The 2x enlargements were adequate in size, however the glossy paper sometimes makes it hard to see.
XJPBET	The appropriate AFIS examination would be conducted on the "not identified" prints. Also, request made for major case prints to be submitted for future examination and comparisons.
XRLNCR	5G excluded all exemplars. 5K excluded all exemplars. 2x enlargements good improvement - helped with two ID's due to poor contrast. Recommend each latent be printed separately to adjust individual contrast, etc.
Y4PNPC	I have not felt well all evening. It was difficult to concentrate. This was the best that I could do under this circumstance.
Y9XXCT	The 2x enlargements were extremely beneficial.
YEL46E	The prints that were not identified did not possess any similar or matching characteristics in the known prints. The 2x enlargements were distracting. I didn't care for it. The quality of some of the print[sic] appeared blurred.
YJ4HDZ	2x enlargements are good.
YZRA3L	Note***Item 5J was identified as the 2nd digit of finger #2 for item 4, but is also identified on the palm exemplars. I enjoyed having the enlargements. It saves time for the analyst.
Z9MHBK	The 2x enlargements were a nice addition. Made process more efficient.
ZCZVZQ	5G eliminated, 5K eliminated. Some of the exemplars were very blurry.
ZE2MNC	Due to the poor quality & contrast of the photos, the enlargements were very helpful. Examples: 5C + 5L.
ZL3FNT	The 2x enlargements were a welcome and useful addition to this package.
ZQ4G3F	Enlargements were helpful. Clearer than 1 x 1 images.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

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## Test No. 10-516: Latent Prints Examination

DATA MUST BE RECEIVED BY May 10, 2010 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Please Note: The Accreditation Release Section Has Moved

CTS submits external proficiency test data directly to ASCLD/LAB and FQS-International. Please select one of the following statements to ensure your data is handled appropriately.

This participant's data is intended for submission to ASCLD/LAB and/or FQS-International. (Accreditation Release section on the last page must be completed and submitted.)

This participant's data is **NOT** intended for submission to ASCLD/LAB or FQS-International.

**Scenario:**

Police are investigating the theft of a large sum of money from a local clothing store. The three suspects are the employees that were working the day the money went missing from the cash lock box located in the supervisor's desk. Investigators have supplied you with 12 images of latent prints from the cash lock box and the desk drawer, along with images of known prints of the supervisor Cynthia Benson and three sales associates Sarah Nolan, Adrienne Willis and Josh Baskin.

**Items Submitted (Sample Pack LP):**

- Item 1: Known Finger and Palm Prints of Cynthia Benson.
- Item 2: Known Finger and Palm Prints of suspect Sarah Nolan.
- Item 3: Known Finger and Palm Prints of suspect Adrienne Willis.
- Item 4: Known Finger and Palm Prints of suspect Josh Baskin.
- Item 5: Twelve Latent Prints (5A-5L) recovered from the lock box and desk drawer.

*Please note: CTS has provided 2x enlargements of the Item 5 Latent Prints. The 200% magnified image is located next to the original image and is designated "2x". Due to the increased image size, the Item 5 Latent Prints are separated into three photographs.*

**1.) Indicate the results of your comparisons by marking the appropriate boxes.**

Please place a result for each and every latent print in this test. If a conclusive identification cannot be made, check "Not Identified". Do NOT leave a blank response as a result. **If an identification to the latent fingerprint is made to a finger on the palm print exemplar, the identified finger must be indicated on the Data Sheet. Reporting the exemplar used for the identification (i.e. palm card) is not sufficient.**

		#1	#2	#3	#4	#5	Right Palm	#6	#7	#8	#9	#10	Left Palm	
Item No.		RT	RI	RM	RR	RL	RP	LT	LI	LM	LR	LL	LP	Not Identified
Example 1	2				✓									
Example 2														✓
5A														
5B														

**Please return all pages of this data sheet.**

Page 1 of 3

**1.) continued**

		#1	#2	#3	#4	#5	Right Palm	#6	#7	#8	#9	#10	Left Palm	Not Identified
	Item No.	RT	RI	RM	RR	RL	RP	LT	LI	LM	LR	LL	LP	
5C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5J	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: Laboratories submitting their results for NATA accreditation are asked that, should a print or prints be 'Not Identified', the reason for this result should be briefly documented in the 'Additional Comments' section.

**2.) Additional Comments**

*Note: Written conclusions are not required for this test. They are not to be substituted for additional comments. CTS encourages you to comment on the new 2x enlargements offered with the Item 5 Latent Prints.*

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<b>Return Instructions</b>		Participant Code:
Data Sheets can be mailed or faxed (please include a cover sheet) and must be received by <b>May 10, 2010</b> to be included in the report.		
MAIL:	Collaborative Testing Services, Inc. Forensic Testing Program P.O. Box 650820 Sterling, VA 20165-0820 USA	FAX: +1-571-434-1937 or Toll-Free (U.S. only): 1-866-FAX-2CTS (329-2287) TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com
www.ctsforensics.com		

**Please return all pages of this data sheet.**

## RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **10-516: Latent Prints Examination**

This release page must be completed and received by **May 10, 2010** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

### **ASCLD/LAB RELEASE**

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.

**The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.**

ASCLD/LAB Legacy Certificate No. \_\_\_\_\_ ASCLD/LAB International Certificate No. \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### **FQS-INTERNATIONAL RELEASE**

If your laboratory maintains its accreditation through FQS-International, please complete the following form in its entirety to have your results forwarded.

FQS-International Certificate No. \_\_\_\_\_

Signature and Title: \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### Accreditation Release

#### **Return Instructions**

*Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.*

*Questions? Contact us 8 am-4:30 pm EST  
Telephone: +1-571-434-1925  
email: forensics@cts-interlab.com*

**Please return all pages of this data sheet.**

Page 3 of 3