HISTOGENETICS

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ASHI # 03-1-NY-26-2. CLIA # 33D0985173
Soo Young Yang Ph.D / Nezih Cereb M.D., Directors
Email : customerservice@histogenetics.com

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HLA TYPING REPORT

Patient Information

Last Name	: **Mathys**	Date Of Birth :	14-Nov-2017
First Name	: **Henri**	Histo ID :	H86152
Hospital	: Manipal Hospital Bangalore	MR# :	NA
Physician	: Dr. Mallikarjun Kalashetty		
Diagnosis	: sickle cell anemia	Received On :	12-Feb-2020
Specimen Type	: Buccal Swab	Collected On :	06-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
03:01:01G	53:01:01G	04:01:01G	01:02:01G	NA	05:01:01G	NA	NA	NA
30:02:01G	58:01:01G	07:01:01G	12:01:01G	NA	05:01:01G	NA	NA	NA

Typing Status : Complete

Null Allele Resolution Status : A*03:01:01:02N,A*03:21N,A*03:129N,A*03:162N,A*03:279N,A*03:336N,B*58:31N,C*04:09N,C*07:796N,DRB1*12:72N,DQB1*05:185N excluded

Note:

1. **Match ratio to Patient: Based on protein level in ARS (Exon 2 and 3 for Class I, Exon 2 for Class II).**

2. **Allele Database Version : 3.37.0 (Jul 2019)**

3. **Allele bearing suffix G : The first allele of the Included Alleles. Included alleles in the appendix**

4. **NMDP code is reported if G code is not available after analyzing non-ARS exons**

5. **Sequencing Technology : Illumina Sequencing**

6. **Reagent Information : Lot Number available upon request.**

Report History

Reported Date	History	Comments
21-Feb-2020	Patient: Henri	

DIRECTOR / ASSOCIATE DIRECTOR _Nezih Cereb_

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HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles

Sample ID : H86152

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
A	03:01:01G	03:CAVHX	Exon 1,2,3,4	03:01:01:01/03:01:01:03/03:01:01:04/03:01:01:05/03:01:01:06/ 03:01:01:07/03:01:01:08/03:01:01:09/03:01:01:10/03:01:01:11/ 03:01:01:12/03:01:01:13/03:01:01:14/03:01:01:15/03:01:01:16/ 03:01:01:17/03:01:01:18/03:01:01:19/03:01:01:20/03:01:01:21/ 03:01:01:22/03:01:01:23/03:01:01:24/03:01:01:25/03:01:01:26/ 03:01:70/03:01:71/03:01:74/03:01:75/03:01:81/03:01:84/03:291/ 03:292/03:293/03:301/03:313/03:315/03:338/03:344/03:346/ 03:352/03:359/03:361/03:363/03:367
A	30:02:01G	30:BGKSM	Exon 1,2,3,4	30:02:01:01/30:02:01:02/30:02:01:03/30:02:01:04/30:02:01:05/ 30:02:01:06/30:02:23/30:149
B	53:01:01G	53:FFBK	Exon 2,3,4	53:01:01:01/53:01:01:02/53:01:15/53:01:24/53:51/53:54
B	58:01:01G	58:CAVMX	Exon 2,3,4	58:01:01:01/58:01:01:02/58:01:01:03/58:01:01:04/58:01:01:05/ 58:01:28/58:95/58:99/58:101/58:108/58:112
C	04:01:01G	04:CAVNT	Exon 2,3,4,7	04:01:01:01/04:01:01:02/04:01:01:03/04:01:01:04/04:01:01:05/ 04:01:01:06/04:01:01:07/04:01:01:08/04:01:01:09/04:01:01:10/ 04:01:01:11/04:01:01:12/04:01:01:13/04:01:01:14/04:01:01:15/ 04:01:01:16/04:01:01:17/04:01:01:18/04:01:01:19/04:01:01:20/ 04:01:01:21/04:01:01:22/04:01:01:23/04:01:01:24/04:01:01:25/ 04:01:01:26/04:01:01:27/04:01:01:28/04:01:01:29/04:01:01:31/ 04:01:01:32/04:01:01:33/04:01:01:34/04:01:01:35/04:01:78/ 04:01:79/04:01:83/04:01:85/04:01:86/04:01:92:01/04:01:92:02/ 04:01:108/04:01:109/04:01:110/04:01:113/04:01:118/04:01:119/ 04:30/04:82/04:226/04:275/04:277/04:298/04:306/04:308/04:320/ 04:321/04:322/04:327/04:330/04:339:01/04:348/04:358/04:375/ 04:380/04:388/04:390/04:391/04:394/04:395/04:397/04:398
C	07:01:01G	07:CAVPB	Exon 2,3,4,7	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/ 07:01:01:06/07:01:01:07/07:01:01:08/07:01:01:09/07:01:01:10/ 07:01:01:11/07:01:01:12/07:01:01:13/07:01:01:14Q/07:01:01:15/ 07:01:01:16/07:01:01:17/07:01:01:18/07:01:01:19/07:01:01:20/ 07:01:01:21/07:01:01:22/07:01:01:23/07:01:01:24/07:01:01:25/ 07:01:01:26/07:01:01:27/07:01:01:28/07:01:01:29/07:01:02:01/ 07:01:02:02/07:01:02:03/07:01:77/07:01:78/07:01:79/07:01:80/ 07:01:81/07:01:84/07:01:85/07:06:01:01/07:06:01:02/ 07:18:01:01/07:18:01:02/07:18:01:03/07:343:01:01/07:343:01:02/ 07:419/07:458/07:591/07:610/07:615/07:617/07:618/07:619/ 07:657/07:682:01:01/07:682:01:02/07:682:02/07:687/07:696/ 07:721/07:732/07:735/07:739/07:762/07:777/07:781/07:782/ 07:805/07:808N/07:813/07:814
DQB1	05:01:01G	05:CAVTD	Exon 2,3	05:01:01:01/05:01:01:02/05:01:01:03/05:01:01:04/05:01:01:05/ 05:01:24:01/05:01:24:02/05:01:26/05:01:27/05:01:28/05:01:29/ 05:01:33/05:01:35/05:01:38/05:183/05:193/05:194/05:195/05:216/ 05:232/05:234/05:237
DRB1	01:02:01G	01:DDAR	Exon 2,3	01:02:01:01/01:02:01:02/01:83

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DRB1	12:01:01G	12:JV	Exon 2,3	12:01:01:01/12:01:01:02/12:01:01:03/12:01:01:04/12:01:01:05/ 12:01:01:06/12:10

DISCLAIMER: This test was developed in and its performance characteristics determined by Histogenetics. It has not been cleared or approved by the U.S. FDA.