

HLA TYPING REPORT

Patient Information

Last Name	: MONDAL	Date Of Birth	: 12-Oct-2001
First Name	: SOMNATH	Histo ID	: H86013
Hospital	: Tata Medical Center - Kolkata	MR#	: MR/12/007965
Physician	: DR MAMMEN CHANDY		
Diagnosis	: E-BETA THALASEMIA	Received On	: 06-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 02-Jan-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
03:01:01G	35:01:01G	04:01:01G	10:01:01G	NA	03:01:01G	NA	NA	NA
32:01:01G	35:03:01G	04:01:01G	11:01:01G	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*35:40N,B*35:134N,B*35:448N,B*35:456N,C*04:09N,DRB1*11:250N,DQB1*03:84N,DQB1*03:338N,DQB1*03:340N,DQB1*03:358N,DQB1*03:376N,DQB1*03:385N,DQB1*03:400N,DQB1*05:185N excluded

Donor(s) Results

Last Name/URD#	: MONDAL	Date Of Birth	: 02-Apr-1996
First Name	: MEGHNA	Histo ID	: H86014
Relation	: Sister	Received On	: 06-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 01-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
24:02:01G	35:01:01G	04:01:01G	11:01:01G	NA	03:01:01G	NA	NA	NA
32:01:01G	57:01:01G	06:02:01G	15:02:01G	NA	06:01:01G	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 5/10

Mismatched Locus : A,B,C,DRB1,DQB1

Null Allele Resolution Status : A*24:09N,A*24:11N,A*24:40N,A*24:83N,A*24:155N,A*24:163N,A*24:183N,A*24:388N,A*24:427N,A*24:430N,B*35:40N,B*35:134N,B*35:448N,B*35:456N,B*57:79N,C*04:09N,C*06:46N,C*06:211:01:01N,C*06:211:01:02N,DRB1*11:250N,DRB1*15:154N,DQB1*03:84N,DQB1*03:338N,DQB1*03:340N,DQB1*03:358N,DQB1*03:376N,DQB1*03:385N,DQB1*03:400N,DQB1*06:102N,DQB1*06:330N 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 / PacBio Sequencing
6. Reagent Information : Lot Number available upon request.

Report History

Reported Date	History	Comments
13-Feb-2020	Patient: SOMNATH, Sister: MEGHNA	

DIRECTOR / ASSOCIATE DIRECTOR



HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86013				
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	32:01:01G	32:CAVKD	Exon 1,2,3,4	32:01:01:01/32:01:01:02/32:01:01:03/32:01:01:04/32:01:01:05/ 32:01:01:06/32:01:01:07/32:01:01:08/32:01:01:09/32:01:01:10/ 32:01:36/32:103/32:117N/32:122
B	35:01:01G	35:CAVMB	Exon 2,3,4	35:01:01:01/35:01:01:02/35:01:01:03/35:01:01:04/35:01:01:05/ 35:01:01:06/35:01:01:07/35:01:01:08/35:01:01:09/35:01:01:10/ 35:01:01:11/35:01:01:12/35:01:01:13/35:01:01:14/35:01:01:15/ 35:01:01:16/35:01:01:17/35:01:01:18/35:01:01:19/35:01:23/ 35:01:58/35:01:59/35:01:61/35:01:63/35:42:01/35:332/35:347/ 35:365/35:370/35:376/35:380:01:01/35:380:01:02/35:383/35:406/ 35:417/35:421/35:429/35:447/35:454
B	35:03:01G	35:CAVMD	Exon 2,3,4	35:03:01:01/35:03:01:02/35:03:01:03/35:03:01:04/35:03:01:05/ 35:03:01:06/35:03:01:07/35:03:01:08/35:03:01:09/35:03:01:10/ 35:03:23/35:03:28/35:344/35:399/35:434/35:442/35:457
C	04:01:01G	04:CAVNU	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/ 04:01:110/04:01:113/04:01:118/04:01:119/04:82/04:226/04:275/ 04:277/04:298/04:306/04:308/04:321/04:322/04:327/04:330/ 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
DQB1	03:01:01G	03:BMSUA	Exon 2,3	03:01:01:01/03:01:01:02/03:01:01:03/03:01:01:04/03:01:01:05/ 03:01:01:06/03:01:01:07/03:01:01:08/03:01:01:09/03:01:01:10/ 03:01:01:11/03:01:01:12/03:01:01:14/03:01:01:15/03:01:01:16/ 03:01:01:17/03:01:01:18/03:01:01:19/03:01:01:20/03:01:01:21Q/ 03:01:41/03:01:43/03:01:44/03:276N/03:292/03:293/03:294/ 03:297/03:326/03:342/03:350
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	10:01:01G	10:01	Exon 2,3	10:01:01:01/10:01:01:02/10:01:01:03/10:01:12

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DRB1	11:01:01G	11:01:01	Exon 2,3	11:01:01:01/11:01:01:02/11:01:01:03/11:01:01:04

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86014				
A	24:02:01G	24:CAVJJ	Exon 1,2,3,4	24:02:01:01/24:02:01:02L/24:02:01:03/24:02:01:04/24:02:01:05/ 24:02:01:06/24:02:01:07/24:02:01:08/24:02:01:09/24:02:01:10/ 24:02:01:11/24:02:01:12/24:02:01:13/24:02:01:14/24:02:01:15/ 24:02:01:16/24:02:01:17/24:02:01:18/24:02:01:19/24:02:01:20/ 24:02:01:21/24:02:01:22/24:02:40/24:02:103/24:02:113/ 24:02:126/24:02:127/24:353/24:402/24:419/24:422/24:436/24:437/ 24:443/24:448N/24:454/24:460/24:463/24:464/24:465/24:466/24:469
A	32:01:01G	32:CAVKD	Exon 1,2,3,4	32:01:01:01/32:01:01:02/32:01:01:03/32:01:01:04/32:01:01:05/ 32:01:01:06/32:01:01:07/32:01:01:08/32:01:01:09/32:01:01:10/ 32:01:36/32:103/32:117N/32:122
B	35:01:01G	35:CAVMB	Exon 2,3,4	35:01:01:01/35:01:01:02/35:01:01:03/35:01:01:04/35:01:01:05/ 35:01:01:06/35:01:01:07/35:01:01:08/35:01:01:09/35:01:01:10/ 35:01:01:11/35:01:01:12/35:01:01:13/35:01:01:14/35:01:01:15/ 35:01:01:16/35:01:01:17/35:01:01:18/35:01:01:19/35:01:23/ 35:01:58/35:01:59/35:01:61/35:01:63/35:42:01/35:332/35:347/ 35:365/35:370/35:376/35:380:01:01/35:380:01:02/35:383/35:406/ 35:417/35:421/35:429/35:447/35:454
B	57:01:01G	57:JJRT	Exon 2,3,4	57:01:01:01/57:01:01:02/57:01:01:03/57:01:01:04/57:01:01:05/ 57:01:01:06/57:01:28/57:01:37/57:103
C	04:01:01G	04:CAVNU	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/ 04:01:110/04:01:113/04:01:118/04:01:119/04:82/04:226/04:275/ 04:277/04:298/04:306/04:308/04:321/04:322/04:327/04:330/ 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	06:02:01G	06:CAVPA	Exon 2,3,4,7	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:01:05/ 06:02:01:06/06:02:01:07/06:02:01:08/06:02:01:09/06:02:01:10/ 06:02:01:11/06:02:01:12/06:02:01:13/06:02:01:14/06:02:01:15/ 06:02:01:16/06:02:01:17/06:02:60/06:02:61/06:02:64/06:02:76/ 06:02:80/06:83/06:213/06:214/06:227/06:228/06:236/06:239/ 06:244/06:255/06:261/06:266/06:273/06:274/06:277/06:278
DQB1	03:01:01G	03:BMSUA	Exon 2,3	03:01:01:01/03:01:01:02/03:01:01:03/03:01:01:04/03:01:01:05/ 03:01:01:06/03:01:01:07/03:01:01:08/03:01:01:09/03:01:01:10/ 03:01:01:11/03:01:01:12/03:01:01:14/03:01:01:15/03:01:01:16/ 03:01:01:17/03:01:01:18/03:01:01:19/03:01:01:20/03:01:01:21Q/ 03:01:41/03:01:43/03:01:44/03:276N/03:292/03:293/03:294/ 03:297/03:326/03:342/03:350
DQB1	06:01:01G	06:BYFKE	Exon 2,3	06:01:01:01/06:01:01:02/06:01:15/06:01:22/06:01:25/06:285/ 06:307/06:309

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DRB1	11:01:01G	11:01:01	Exon 2,3	11:01:01:01/11:01:01:02/11:01:01:03/11:01:01:04
DRB1	15:02:01G	15:BFBXD	Exon 2,3	15:02:01:01/15:02:01:02/15:02:01:03/15:140/15:149