

HLA TYPING REPORT

Patient Information

Last Name	: RABBI	Date Of Birth	: 19-May-2018
First Name	: ISRAFIL	Histo ID	: H86504
Hospital	: Apollo Hospitals-Chennai	MR#	: NA
Physician	: DR. REVATHI RAJ		
Diagnosis	: THALASSEMIA MAJOR	Received On	: 24-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 20-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	52:01:01G	06:02:01G	07:01:01G	NA	02:CAVTA	NA	02:01:02G	NA
11:01:01G	57:01:01G	07:02:01G	10:01:01G	NA	05:01:01G	NA	04:02:01G	NA

Typing Status : Complete

Null Allele Resolution Status : A*01:04:01:01N,A*01:04:01:02N,A*01:22N,A*01:56N,A*01:87N,A*11:21N,A*11:69N,A*11:210N,B*57:79N,C*06:46N,C*06:211:01:01N,C*06:211:01:02N,C*07:02:01:17N,C*07:350N,C*07:593N,C*07:675N,C*07:686N,C*07:743N,DQB1*02:96N,DQB1*05:185N,DPB1*700:01N,DPB1*724:01N,DPB1*777:01N,DPB1*786:01:01N,DPB1*786:01:02N,DPB1*894:01N,DPB1*925:01N excluded

Donor(s) Results

Last Name/URD#	: LUTFA	Date Of Birth	: 28-Oct-1995
First Name	: ISHRAT JANHAN	Histo ID	: H86510
Relation	: Mother	Received On	: 24-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 20-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	07:02:01G	NA	10:01:01G	NA	NA	NA	NA	NA
24:02:01G	57:01:01G	NA	14:04:01G	NA	NA	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 3/6

Mismatched Locus : A,B,DRB1

Last Name/URD#	: MAWA	Date Of Birth	: 04-Jun-2016
First Name	: MOSAMMAT JANNATUL	Histo ID	: H86508
Relation	: Sister	Received On	: 24-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 20-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
02:11:01G	07:02:01G	NA	10:01:01G	NA	NA	NA	NA	NA
24:02:01G	40:06:01G	NA	14:04:01G	NA	NA	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 1/6

Mismatched Locus : A,B,DRB1

HLA TYPING REPORT

Patient Information

Last Name	: RABBI	Date Of Birth	: 19-May-2018
First Name	: ISRAFIL	Histo ID	: H86504
Hospital	: Apollo Hospitals-Chennai	MR#	: NA
Physician	: DR. REVATHI RAJ		
Diagnosis	: THALASSEMIA MAJOR	Received On	: 24-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 20-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	52:01:01G	06:02:01G	07:01:01G	NA	02:CAVTA	NA	02:01:02G	NA
11:01:01G	57:01:01G	07:02:01G	10:01:01G	NA	05:01:01G	NA	04:02:01G	NA

Typing Status : Complete

Null Allele Resolution Status : A*01:04:01:01N,A*01:04:01:02N,A*01:22N,A*01:56N,A*01:87N,A*11:21N,A*11:69N,A*11:210N,B*57:79N,C*06:46N,C*06:211:01:01N,C*06:211:01:02N,C*07:02:01:17N,C*07:350N,C*07:593N,C*07:675N,C*07:686N,C*07:743N,DQB1*02:96N,DQB1*05:185N,DPB1*700:01N,DPB1*724:01N,DPB1*777:01N,DPB1*786:01:01N,DPB1*786:01:02N,DPB1*894:01N,DPB1*925:01N excluded

Donor(s) Results

Last Name/URD#	: RAMADAN	Date Of Birth	: 05-Apr-1985
First Name	: MOHAMMED	Histo ID	: H86506
Relation	: Father	Received On	: 24-Feb-2020
Specimen Type	: Buccal Swab	Collected On	: 20-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
02:11:01G	40:06:01G	NA	07:01:01G	NA	NA	NA	NA	NA
11:01:01G	52:01:01G	NA	10:01:01G	NA	NA	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 4/6

Mismatched Locus : A,B

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
28-Feb-2020	Patient: ISRAFIL, Mother: ISHRAT JANHAN, Sister: MOSAMMAT JANNATUL, Father: MOHAMMED	

DIRECTOR / ASSOCIATE DIRECTOR



HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86504				
A	01:01:01G	01:CAVHH	Exon 1,2,3,4	01:01:01:01/01:01:01:02N/01:01:01:03/01:01:01:04/01:01:01:05/ 01:01:01:06/01:01:01:07/01:01:01:08/01:01:01:09/01:01:01:10/ 01:01:01:11/01:01:01:12/01:01:01:13/01:01:01:14/01:01:01:15/ 01:01:01:16/01:01:01:17/01:01:01:18/01:01:01:19/01:01:01:20/ 01:01:01:21/01:01:01:22/01:01:01:23/01:01:01:24/01:01:01:25/ 01:01:83/01:01:84/01:01:93/01:01:94/01:01:104/01:01:105/ 01:248Q/01:251/01:252/01:276/01:277/01:280/01:300/01:309/01:317
A	11:01:01G	11:CAVJD	Exon 1,2,3,4	11:01:01:01/11:01:01:02/11:01:01:03/11:01:01:04/11:01:01:05/ 11:01:01:06/11:01:01:07/11:01:01:08/11:01:01:09/11:01:01:10/ 11:01:01:11/11:01:01:12/11:01:01:13/11:01:01:14/11:01:01:15/ 11:01:79/11:01:87/11:263/11:270/11:278/11:280/11:295/11:303/ 11:324/11:328
B	52:01:01G	52:CAVMU	Exon 2,3,4	52:01:01:01/52:01:01:02/52:01:01:03/52:01:01:04/52:01:01:05/ 52:01:01:06/52:01:30/52:01:36/52:01:38/52:01:44/52:53/52:79/ 52:90
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	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
C	07:02:01G	07:CAVPF	Exon 2,3,4,7	07:02:01:01/07:02:01:02/07:02:01:03/07:02:01:04/07:02:01:05/ 07:02:01:06/07:02:01:07/07:02:01:08/07:02:01:09/07:02:01:10/ 07:02:01:11/07:02:01:12/07:02:01:13/07:02:01:14/07:02:01:15/ 07:02:01:16/07:02:01:18/07:02:01:19/07:02:01:20/07:02:01:21/ 07:02:01:22/07:02:01:23/07:02:01:24/07:02:01:25/07:02:01:26/ 07:02:01:27/07:02:01:28/07:02:01:29/07:02:01:30/07:02:01:31/ 07:02:01:32/07:02:01:33/07:02:01:34/07:02:01:35/07:02:01:36/ 07:02:01:37/07:02:01:38/07:02:01:39/07:02:01:40/07:02:01:41/ 07:02:01:42/07:02:70/07:02:80/07:02:93/07:02:95/07:02:96/ 07:02:115/07:592/07:594/07:595/07:596/07:612/07:665/07:666/ 07:667/07:684/07:688/07:703/07:704/07:741/07:767/07:769/ 07:779/07:783/07:791/07:801/07:807N/07:810

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DPB1	02:01:02G	02:CAVRG	Exon 2,3	02:01:02:01/02:01:02:02/02:01:02:03/02:01:02:04/02:01:02:05/ 02:01:02:06/02:01:02:07/02:01:02:08/02:01:02:09/02:01:02:10/ 02:01:02:11/02:01:02:12/02:01:02:13/02:01:02:14/02:01:02:15/ 02:01:02:16/02:01:02:17/02:01:02:18/02:01:02:19/02:01:02:20/ 02:01:02:21/02:01:02:22/02:01:02:23/02:01:02:24/02:01:02:25/ 02:01:02:26/02:01:02:27/02:01:02:28/02:01:02:29/02:01:02:30/ 02:01:02:31/02:01:02:32/02:01:02:33/02:01:02:34/02:01:02:35/ 02:01:02:36/02:01:02:37/02:01:02:38/02:01:02:39/02:01:02:40/ 02:01:02:41/02:01:02:42/02:01:02:43/02:01:02:44/02:01:19/ 02:01:26/02:01:40/416:01:01/416:01:01/416:01:01/03/ 678:01/845:01/857:01
DPB1	04:02:01G	04:CAVRS	Exon 2,3	04:02:01:01/04:02:01:02/04:02:01:03/04:02:01:04/04:02:01:05/ 04:02:01:06/04:02:01:07/04:02:01:08/04:02:01:09/04:02:01:10/ 04:02:01:11/04:02:01:12/04:02:01:13/04:02:01:14/04:02:09/ 105:01:01:01/105:01:01:02/105:01:01:03/105:01:01:04/ 105:01:01:05/105:01:01:06/105:01:01:07/105:01:01:08/ 105:01:01:09/105:01:01:10/665:01/701:01/725:01/730:01/927:01/ 958:01/981:01/985:01N/1013:01/1035:01
DQB1	02:CAVTA	02:CAVTA	Exon 2,3	02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:06/ 02:02:09/02:97/02:110/02:131/02:156
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	07:01:01G	07:BMSUC	Exon 2,3	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:79/07:93
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
Sample ID : H86510				
A	01:01:01G	01:BZFPN	Exon 2,3	01:01:01:01/01:01:01:02N/01:01:01:03/01:01:01:04/01:01:01:05/ 01:01:01:06/01:01:01:07/01:01:01:08/01:01:01:09/01:01:01:10/ 01:01:01:11/01:01:01:12/01:01:01:13/01:01:01:14/01:01:01:15/ 01:01:01:16/01:01:01:17/01:01:01:18/01:01:01:19/01:01:01:20/ 01:01:01:21/01:01:01:22/01:01:01:23/01:01:01:24/01:01:01:25/ 01:01:38L/01:01:51/01:01:83/01:01:84/01:01:91/01:01:93/ 01:01:94/01:01:95/01:01:100/01:01:103/01:01:104/01:01:105/ 01:01:106/01:04:01:01N/01:04:01:02N/01:22N/01:32/01:37:01:01/ 01:37:01:02/01:45/01:56N/01:81/01:87N/01:103/01:107/01:109/ 01:132/01:141/01:142/01:155/01:177/01:212/01:217/01:234/ 01:237/01:246/01:248Q/01:249/01:251/01:252/01:253/01:261/ 01:274/01:276/01:277/01:280/01:281Q/01:288/01:291/01:295/ 01:296/01:297/01:300/01:305/01:306/01:309/01:316/01:317/01:319
A	24:02:01G	24:BZECF	Exon 2,3	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/ 24:02:01:21/24:02:01:22/24:02:03Q/24:02:10/24:02:13/24:02:31/ 24:02:40/24:02:43/24:02:44/24:02:56/24:02:65/24:02:79/ 24:02:80/24:02:81/24:02:82/24:02:83/24:02:84/24:02:98/ 24:02:101/24:02:102:01/24:02:102:02/24:02:103/24:02:108/ 24:02:110/24:02:113/24:02:116/24:02:117/24:02:119/24:02:120/ 24:02:121/24:02:123/24:02:124/24:02:125/24:02:126/24:02:127/ 24:09N/24:11N/24:40N/24:76/24:79/24:83N/24:144/24:150/24:153/ 24:154/24:155N/24:163N/24:183N/24:231/24:249/24:250/24:251/ 24:263/24:264/24:265/24:266/24:267/24:268/24:269/24:270/ 24:271/24:352/24:353/24:354/24:383/24:385/24:388N/24:400/ 24:401/24:402/24:417/24:418/24:419/24:422/24:423/24:427N/ 24:430N/24:431/24:436/24:437/24:438/24:442/24:443/24:448N/ 24:451/24:454/24:455/24:460/24:462/24:463/24:464/24:465/ 24:466/24:469/24:470
B	07:02:01G	07:BZEFD	Exon 2,3	07:02:01:01/07:02:01:02/07:02:01:03/07:02:01:04/07:02:01:05/ 07:02:01:06/07:02:01:07/07:02:01:08/07:02:01:09/07:02:01:10/ 07:02:01:11/07:02:01:12/07:02:01:13/07:02:01:14/07:02:01:15/ 07:02:01:16/07:02:01:17/07:02:01:18/07:02:06/07:02:09/ 07:02:41/07:02:45/07:02:52/07:02:53/07:02:55/07:02:59/ 07:02:62/07:02:63/07:02:64/07:02:65/07:02:69/07:02:72/ 07:02:79/07:44N/07:49N/07:58/07:59/07:61/07:120/07:128/07:129/ 07:130/07:156/07:161N/07:169/07:271/07:282/07:291/07:294/ 07:295/07:298/07:308/07:311/07:312/07:322/07:329/07:330N/ 07:338/07:339/07:341/07:342/07:354/07:355/07:369/07:370/ 07:371/07:373N/07:374N/07:375/07:379/07:381/07:382/07:385
B	57:01:01G	57:BRXMJ	Exon 2,3	57:01:01:01/57:01:01:02/57:01:01:03/57:01:01:04/57:01:01:05/ 57:01:01:06/57:01:11/57:01:26/57:01:27/57:01:28/57:01:37/ 57:01:39/57:01:40/57:29/57:37/57:55/57:79N/57:91/57:103/57:116

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DRB1	10:01:01G	10:BZDZX	Exon 2	10:01:01:01/10:01:01:02/10:01:01:03/10:01:10/10:01:12/10:01:13/ 10:19/10:25/10:28/10:33/10:34
DRB1	14:04:01G	14:BGNGN	Exon 2	14:04:01/14:04:04/14:04:07/14:196

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86508				
A	02:11:01G	02:BMJVC	Exon 2,3	02:11:01:01/02:11:01:02/02:69/02:751/02:821
A	24:02:01G	24:BZECF	Exon 2,3	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/ 24:02:01:21/24:02:01:22/24:02:03Q/24:02:10/24:02:13/24:02:31/ 24:02:40/24:02:43/24:02:44/24:02:56/24:02:65/24:02:79/ 24:02:80/24:02:81/24:02:82/24:02:83/24:02:84/24:02:98/ 24:02:101/24:02:102:01/24:02:102:02/24:02:103/24:02:108/ 24:02:110/24:02:113/24:02:116/24:02:117/24:02:119/24:02:120/ 24:02:121/24:02:123/24:02:124/24:02:125/24:02:126/24:02:127/ 24:09N/24:11N/24:40N/24:76/24:79/24:83N/24:144/24:150/24:153/ 24:154/24:155N/24:163N/24:183N/24:231/24:249/24:250/24:251/ 24:263/24:264/24:265/24:266/24:267/24:268/24:269/24:270/ 24:271/24:352/24:353/24:354/24:383/24:385/24:388N/24:400/ 24:401/24:402/24:417/24:418/24:419/24:422/24:423/24:427N/ 24:430N/24:431/24:436/24:437/24:438/24:442/24:443/24:448N/ 24:451/24:454/24:455/24:460/24:462/24:463/24:464/24:465/ 24:466/24:469/24:470
B	07:02:01G	07:BZEFD	Exon 2,3	07:02:01:01/07:02:01:02/07:02:01:03/07:02:01:04/07:02:01:05/ 07:02:01:06/07:02:01:07/07:02:01:08/07:02:01:09/07:02:01:10/ 07:02:01:11/07:02:01:12/07:02:01:13/07:02:01:14/07:02:01:15/ 07:02:01:16/07:02:01:17/07:02:01:18/07:02:06/07:02:09/ 07:02:41/07:02:45/07:02:52/07:02:53/07:02:55/07:02:59/ 07:02:62/07:02:63/07:02:64/07:02:65/07:02:69/07:02:72/ 07:02:79/07:44N/07:49N/07:58/07:59/07:61/07:120/07:128/07:129/ 07:130/07:156/07:161N/07:169/07:271/07:282/07:291/07:294/ 07:295/07:298/07:308/07:311/07:312/07:322/07:329/07:330N/ 07:338/07:339/07:341/07:342/07:354/07:355/07:369/07:370/ 07:371/07:373N/07:374N/07:375/07:379/07:381/07:382/07:385
B	40:06:01G	40:BRXKN	Exon 2,3	40:06:01:01/40:06:01:02/40:06:01:03/40:06:03/40:06:04:01/ 40:06:04:02/40:06:08/40:06:17/40:06:20/40:387/40:425/40:427
DRB1	10:01:01G	10:BZDZX	Exon 2	10:01:01:01/10:01:01:02/10:01:01:03/10:01:10/10:01:12/10:01:13/ 10:19/10:25/10:28/10:33/10:34
DRB1	14:04:01G	14:BGNGN	Exon 2	14:04:01/14:04:04/14:04:07/14:196

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86506				
A	02:11:01G	02:BMJVC	Exon 2,3	02:11:01:01/02:11:01:02/02:69/02:751/02:821
A	11:01:01G	11:BZECJ	Exon 2,3	11:01:01:01/11:01:01:02/11:01:01:03/11:01:01:04/11:01:01:05/ 11:01:01:06/11:01:01:07/11:01:01:08/11:01:01:09/11:01:01:10/ 11:01:01:11/11:01:01:12/11:01:01:13/11:01:01:14/11:01:01:15/ 11:01:46/11:01:47/11:01:49/11:01:52/11:01:53/11:01:56/ 11:01:58/11:01:59/11:01:64/11:01:67/11:01:79/11:01:83/ 11:01:87/11:01:88/11:01:90/11:01:91/11:01:92/11:01:93/ 11:01:95/11:21N/11:69N/11:86/11:100/11:102/11:108/11:120/ 11:124/11:126/11:129/11:142/11:154/11:163/11:171/11:172/ 11:173/11:174/11:193/11:194/11:210N/11:263/11:270/11:274/ 11:278/11:279/11:280/11:292/11:295/11:303/11:306/11:311/ 11:313Q/11:316/11:317/11:320/11:322/11:324/11:328/11:329/ 11:332/11:333/11:338/11:339/11:343/11:349
B	40:06:01G	40:BRXKN	Exon 2,3	40:06:01:01/40:06:01:02/40:06:01:03/40:06:03/40:06:04:01/ 40:06:04:02/40:06:08/40:06:17/40:06:20/40:387/40:425/40:427
B	52:01:01G	52:BZEHB	Exon 2,3	52:01:01:01/52:01:01:02/52:01:01:03/52:01:01:04/52:01:01:05/ 52:01:01:06/52:01:08/52:01:27/52:01:30/52:01:36/52:01:37/ 52:01:38/52:01:44/52:07/52:36/52:53/52:79/52:80/52:86/52:90/ 52:91/52:93
DRB1	07:01:01G	07:BZEBP	Exon 2	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:18/ 07:01:21/07:34/07:72/07:79/07:81/07:85/07:92/07:93/07:95/ 07:96/07:100/07:102/07:103/07:104/07:105/07:106/07:107
DRB1	10:01:01G	10:BZDZX	Exon 2	10:01:01:01/10:01:01:02/10:01:01:03/10:01:10/10:01:12/10:01:13/ 10:19/10:25/10:28/10:33/10:34