

HLA TYPING REPORT

Patient Information

Last Name	: Kamal	Date Of Birth	: 05-Jul-2003
First Name	: Reet	Histo ID	: H86677
Hospital	: Christian Medical College - Ludhiana	MR#	: C7952596
Physician	: Dr. John		
Diagnosis	: Aplastic Anemia	Received On	: 02-Mar-2020
Specimen Type	: Buccal Swab	Collected On	: 26-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	35:02:01G	04:01:01G	11:04:01	NA	03:01:01G	NA	NA	NA
01:01:01G	35:03:01G	04:01:01G	15:01:01G	NA	06:02:01G	NA	NA	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,C*04:09N,DQB1*03:84N,DQB1*03:338N,DQB1*03:340N,DQB1*03:358N,DQB1*03:376N,DQB1*03:385N,DQB1*03:400N,DQB1*06:216N,DQB1*06:304N,DQB1*06:308N excluded

Donor(s) Results

Last Name/URD#	: Kumar	Date Of Birth	: 05-Mar-1968
First Name	: Surinder	Histo ID	: H86679
Relation	: Father	Received On	: 02-Mar-2020
Specimen Type	: Buccal Swab	Collected On	: 26-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	35:03:01G	03:02:01G	11:01:01G	NA	03:01:01G	NA	NA	NA
33:03:01G	58:01:01G	04:01:01G	15:01:01G	NA	06:02:01G	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 6/10

Mismatched Locus : A,B,C,DRB1

Null Allele Resolution Status : A*01:04:01:01N,A*01:04:01:02N,A*01:22N,A*01:56N,A*01:87N,A*33:73N,A*33:74N,A*33:156N,A*33:174N,B*58:31N,C*03:224N,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*06:216N,DQB1*06:304N,DQB1*06:308N excluded

Last Name/URD#	: Rani	Date Of Birth	: 11-May-1970
First Name	: Pardeep	Histo ID	: H86678
Relation	: Mother	Received On	: 02-Mar-2020
Specimen Type	: Buccal Swab	Collected On	: 26-Feb-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	35:02:01G	04:01:01G	11:01:01G	NA	03:01:01G	NA	NA	NA
68:01:02G	40:06:01G	15:02:01G	11:04:01	NA	03:01:01G	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 5/10

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

Null Allele Resolution Status : A*01:04:01:01N,A*01:04:01:02N,A*01:22N,A*01:56N,A*01:87N,A*68:11N,C*04:09N,C*15:02:01:08N,C*15:160N,DRB1*11:250N,DQB1*03:84N,DQB1*03:338N,DQB1*03:340N,DQB1*03:358N,DQB1*03:376N,DQB1*03:385N,DQB1*03:400N 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
06-Mar-2020	Patient: Reet, Father: Surinder, Mother: Pardeep	

DIRECTOR / ASSOCIATE DIRECTOR



HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86677				
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
B	35:02:01G	35:02:01	Exon 2,3,4	35:02:01:01/35:02:01:02/35:02:01:03/35:02:01:04
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	06:02:01G	06:CAVTF	Exon 2,3	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:36/ 06:02:41/06:286/06:293/06:295/06:317N/06:333
DRB1	11:04:01		Exon 2,3	
DRB1	15:01:01G	15:ADHVT	Exon 2,3	15:01:01:01/15:01:01:02/15:01:01:03/15:01:01:04/15:01:01:05/ 15:171

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86679				
A	01:01:01G	01:CAVHG	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/01:251/01:252/01:274/01:276/01:277/01:280/01:300/ 01:309/01:317
A	33:03:01G	33:CAVKH	Exon 1,2,3,4	33:03:01:01/33:03:01:02/33:03:01:03/33:03:01:04/33:03:01:05/ 33:145/33:146/33:148/33:153/33:163/33:169
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
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	03:02:01G	03:CAVNF	Exon 2,3,4,7	03:02:01:03/03:02:02:01/03:02:02:02/03:02:02:03/03:02:02:04/ 03:02:02:05/03:373/03:411/03:425/03:452/03:473/03:489
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/ 04:01:79/04:01:83/04:01:85/04:01:86/04:01:92/04:01:92:02/ 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	06:02:01G	06:CAVTF	Exon 2,3	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:36/ 06:02:41/06:286/06:293/06:295/06:317N/06:333
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	15:01:01G	15:ADHVT	Exon 2,3	15:01:01:01/15:01:01:02/15:01:01:03/15:01:01:04/15:01:01:05/ 15:171

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : H86678				
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	68:01:02G	68:JVCV	Exon 1,2,3,4	68:01:02:01/68:01:02:02/68:01:02:03/68:01:02:04/68:01:02:05/ 68:01:02:06/68:01:02:07/68:01:02:08/68:01:02:09/68:01:44/ 68:01:48/68:01:50/68:152
B	35:02:01G	35:02:01	Exon 2,3,4	35:02:01:01/35:02:01:02/35:02:01:03/35:02:01:04
B	40:06:01G	40:CAVMK	Exon 2,3,4	40:06:01:01/40:06:01:02/40:06:01:03/40:06:04:01/40:06:04:02/ 40:06:17/40:06:20/40:425
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	15:02:01G	15:CAVPX	Exon 2,3,4,7	15:02:01:01/15:02:01:02/15:02:01:03/15:02:01:04/15:02:01:05/ 15:02:01:06/15:02:01:07/15:02:01:09/15:02:01:10/15:87/15:154/ 15:176/15:186/15:197/15:202
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
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	11:04:01		Exon 2,3	