

HLA TYPING REPORT

Patient Information

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|---------------|--------------------------|---------------|---------------|
| Last Name | : Levron | Date Of Birth | : 09-Nov-1958 |
| First Name | : Houston | Histo ID | : H85088 |
| Hospital | : Ochsner Medical Center | MR# | : 10161863 |
| Physician | : Dr. Cooper | | |
| Diagnosis | : Bone Marrow | Received On | : 07-Jan-2020 |
| Specimen Type | : Whole Blood | Collected On | : 03-Jan-2020 |

| A* | B* | C* | DRB1* | DRB345* | DQB1* | DQA1* | DPB1* | DPA1* |
|-----------|-----------|-----------|----------|----------------|-----------|-------|-----------|-------|
| 02:01:01G | 40:01:01G | 03:04:01G | 04:04:01 | DRB3*02:02:01G | 03:01:01G | NA | 04:01:01G | NA |
| 29:02:01G | 44:03:01G | 16:01:01G | 11:03:01 | DRB4*01:03:02 | 03:02:01G | NA | 04:02:01G | NA |

Typing Status : Complete

Null Allele Resolution Status : A*02:43N,A*02:83N,A*02:305N,A*02:356N,A*02:608N,A*02:675N,A*02:691N,A*02:793N,A*02:832N,A*02:871N,B*40:338N,B*44:310N,C*03:366N,DQB1*03:84N,DQB1*03:310N,DQB1*03:338N,DQB1*03:340N,DQB1*03:358N,DQB1*03:376N,DQB1*03:385N,DQB1*03:400N,DPB1*724:01N,DPB1*754:01N,DPB1*756:01N,DPB1*777:01N,DPB1*925:01N,DPB1*974:01N,DRB3*02:29N,DRB4*01:03:01:02N 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 |
|---------------|------------------|----------|
| 10-Jan-2020 | Patient: Houston | |

DIRECTOR / ASSOCIATE DIRECTOR



HLA TYPING REPORT - APPENDIX

| Locus | G Code | NMDP Allele Code | Segment Sequenced | Included Alleles |
|---------------------------|-----------|------------------|-------------------|---|
| Sample ID : H85088 | | | | |
| A | 02:01:01G | 02:CAVHP | Exon 1,2,3,4 | 02:01:01:01/02:01:01:02L/02:01:01:03/02:01:01:04/02:01:01:05/ 02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/ 02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/ 02:01:01:16/02:01:01:17/02:01:01:18/02:01:01:19/02:01:01:20/ 02:01:01:21/02:01:01:22/02:01:01:23/02:01:01:24/02:01:01:25/ 02:01:01:26/02:01:01:27/02:01:01:28/02:01:01:29/02:01:01:30/ 02:01:01:31/02:01:01:32/02:01:01:33/02:01:01:34/02:01:01:35/ 02:01:01:36/02:01:01:37/02:01:01:38/02:01:01:39/02:01:01:40/ 02:01:01:41/02:01:01:42/02:01:01:43/02:01:01:44/02:01:01:45/ 02:01:01:46/02:01:01:47/02:01:01:48/02:01:01:49/02:01:01:50/ 02:01:01:51/02:01:01:52/02:01:01:53/02:01:01:54/02:01:01:55/ 02:01:01:56/02:01:01:57/02:01:01:58/02:01:130/02:01:135/ 02:01:148/02:01:154/02:01:159/02:01:160/02:01:163/02:01:166/ 02:01:167/02:665/02:686/02:689/02:716/02:719/02:722/02:742/ 02:744/02:779/02:786/02:792N/02:810/02:812/02:844/02:846/ 02:853/02:864/02:865/02:869/02:870 |
| A | 29:02:01G | 29:CAVJT | Exon 1,2,3,4 | 29:02:01:01/29:02:01:02/29:02:01:03/29:02:01:04/29:02:01:05/ 29:02:01:06/29:02:01:07/29:02:20/29:02:28/29:100/29:120/ 29:134/29:135 |
| B | 40:01:01G | 40:CAVMH | Exon 2,3,4 | 40:01:01/40:01:02:01/40:01:02:02/40:01:02:03/40:01:02:04/ 40:01:02:05/40:01:02:06/40:01:02:07/40:01:02:08/40:01:02:09/ 40:01:02:10/40:01:02:11/40:01:02:12/40:01:02:13/40:01:45/ 40:01:54/40:01:57/40:01:58/40:01:62/40:01:65/40:01:66/ 40:01:67/40:353/40:379/40:386/40:416/40:417/40:419/40:431/ 40:439/40:443 |
| B | 44:03:01G | 44:CAVMP | Exon 2,3,4 | 44:03:01:01/44:03:01:02/44:03:01:03/44:03:01:04/44:03:01:05/ 44:03:01:06/44:03:01:07/44:03:01:08/44:03:01:09/44:03:01:10/ 44:03:01:11/44:03:01:12/44:03:01:13/44:03:01:14/44:03:01:15/ 44:03:01:16/44:03:01:17/44:03:01:18/44:03:01:19/44:03:01:20/ 44:03:53/44:298/44:302/44:309N/44:466N/44:474/44:476 |
| C | 03:04:01G | 03:CAVNN | Exon 2,3,4,7 | 03:04:01:01/03:04:01:02/03:04:01:03/03:04:01:04/03:04:01:05/ 03:04:01:06/03:04:01:07/03:04:01:08/03:04:01:09/03:04:01:10/ 03:04:01:11/03:04:01:12/03:04:01:13/03:04:01:14/03:04:01:15/ 03:04:58/03:04:61/03:04:71/03:04:74/03:358/03:359/03:376/ 03:387/03:408/03:417/03:423/03:456/03:466/03:467/03:470N/03:484 |
| C | 16:01:01G | 16:CAVPZ | Exon 2,3,4,7 | 16:01:01:01/16:01:01:02/16:01:01:03/16:01:01:04/16:01:01:05/ 16:01:01:06/16:01:24/16:112/16:118/16:146/16:154/16:157/16:160 |

HLA TYPING REPORT - APPENDIX

| Locus | G Code | NMDP Allele Code | Segment Sequenced | Included Alleles |
|-------|-----------|------------------|-------------------|---|
| DPB1 | 04:01:01G | 04:CAVRN | Exon 2,3 | 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/ 04:01:01:21/04:01:01:22/04:01:01:23/04:01:01:24N/04:01:01:25/ 04:01:01:26/04:01:01:27/04:01:01:28/04:01:01:29/04:01:01:30/ 04:01:01:31/04:01:01:32/04:01:01:33/04:01:01:34/04:01:01:35/ 04:01:41/126:01:01:01/126:01:01:02/670:01/849:01/878:01N/ 939:01N/1001:01 |
| 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 | 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 | 03:02:01G | 03:CAVTB | Exon 2,3 | 03:02:01:01/03:02:01:02/03:02:01:03/03:02:01:04/03:02:01:05/ 03:02:01:06/03:02:01:07/03:02:01:08/03:02:26/03:289/03:295/ 03:296/03:321/03:369/03:379/03:386 |
| DRB1 | 04:04:01 | | Exon 2,3 | |
| DRB1 | 11:03:01 | | Exon 2,3 | |
| DRB3 | 02:02:01G | 02:ERVA | Exon 2,3 | 02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:01:05/ 02:02:01:06/02:02:01:07/02:02:01:08/02:96 |
| DRB4 | 01:03:02 | | Exon 2,3 | |