



Confirmatory HLA (UPENN)*

| Class 1 | Α | 02:01 | 11:01 | Class II | DRB1 | 13:01 | 04:07 |
|---------|---|-------|-------|----------|------|-------|-------|
| | В | 13:02 | 15:01 | | DRB3 | 02:02 | |
| | С | 03:03 | 06:02 | | DRB4 | | 01:03 |
| | | | | | DRB5 | | |
| | | | | | DQB1 | 03:01 | 06:03 |
| | | | | | DQA1 | 01:03 | 03:03 |
| | | | | | DPB1 | 03:01 | 04:01 |
| | | | | | DPA1 | 01:03 | |

^{*}HLA typing performed using NGS