

APPENDIX

Appendix A:

PCR-SSP results for the different Malaysian ethnic groups including Malays (M), Chinese (C) and Indians (I), in addition to Non- Malaysian (N) that included in the study.

| No. | Race | ST* | RT-PCR* | PCR-SSP |
|-----|------|---------------------|---------|---------|
| 1 | M | Mi ^a +Ve | +Ve | +Ve |
| 2 | M | Mi ^a +Ve | +Ve | +Ve |
| 3 | C | Mi ^a +Ve | -Ve | -Ve |
| 4 | C | Mi ^a +Ve | +Ve | +Ve |
| 5 | N | Mi ^a +Ve | -Ve | -Ve |
| 6 | M | Mi ^a +Ve | -Ve | -Ve |
| 7 | M | Mi ^a +Ve | -Ve | -Ve |
| 8 | M | Mi ^a +Ve | -Ve | -Ve |
| 9 | M | Mi ^a +Ve | -Ve | -Ve |
| 10 | M | Mi ^a +Ve | +Ve | +Ve |
| 11 | M | Mi ^a +Ve | -Ve | -Ve |
| 12 | M | Mi ^a +Ve | +Ve | +Ve |
| 13 | M | Mi ^a +Ve | -Ve | -Ve |
| 14 | I | Mi ^a +Ve | -Ve | -Ve |
| 15 | M | Mi ^a +Ve | +Ve | +Ve |
| 16 | I | Mi ^a +Ve | -Ve | -Ve |
| 17 | M | Mi ^a +Ve | -Ve | -Ve |
| 18 | M | Mi ^a +Ve | +Ve | +Ve |
| 19 | M | Mi ^a +Ve | +Ve | +Ve |
| 20 | M | Mi ^a +Ve | -Ve | -Ve |
| 21 | M | Mi ^a +Ve | -Ve | -Ve |
| 22 | C | Mi ^a +Ve | +Ve | +Ve |
| 23 | C | Mi ^a +Ve | +Ve | +Ve |
| 24 | C | Mi ^a +Ve | -Ve | -Ve |
| 25 | C | Mi ^a +Ve | -Ve | -Ve |
| 26 | C | Mi ^a +Ve | -Ve | -Ve |
| 27 | C | Mi ^a +Ve | -Ve | -Ve |
| 28 | M | Mi ^a +Ve | -Ve | -Ve |
| 29 | M | Mi ^a +Ve | -Ve | -Ve |
| 30 | M | Mi ^a +Ve | -Ve | -Ve |
| 31 | I | Mi ^a +Ve | -Ve | -Ve |
| 32 | M | Mi ^a +Ve | +Ve | +Ve |
| 33 | M | Mi ^a +Ve | -Ve | -Ve |
| 34 | M | Mi ^a +Ve | -Ve | -Ve |
| 35 | M | Mi ^a +Ve | -Ve | -Ve |
| 36 | M | Mi ^a +Ve | -Ve | -Ve |

Appendix A (continued):

| No. | Race | ST* | RT-PCR* | PCR-SSP |
|-----|------|---------------------|---------|---------|
| 37 | M | Mi ^a +Ve | +Ve | +Ve |
| 38 | M | Mi ^a +Ve | +Ve | +Ve |
| 39 | M | Mi ^a +Ve | +Ve | +Ve |
| 40 | C | Mi ^a +Ve | +Ve | +Ve |
| 41 | C | Mi ^a +Ve | +Ve | +Ve |
| 42 | C | Mi ^a +Ve | +Ve | +Ve |
| 43 | C | Mi ^a +Ve | +Ve | +Ve |
| 44 | C | Mi ^a +Ve | -Ve | -Ve |
| 45 | M | Mi ^a +Ve | -Ve | -Ve |
| 46 | I/C | Mi ^a +Ve | -Ve | -Ve |
| 47 | M | Mi ^a +Ve | +Ve | +Ve |
| 48 | C | Mi ^a +Ve | +Ve | +Ve |
| 49 | C | Mi ^a +Ve | +Ve | +Ve |
| 50 | C | Mi ^a +Ve | -Ve | -Ve |
| 52 | M | Mi ^a +Ve | +Ve | +Ve |
| 53 | C | Mi ^a +Ve | +Ve | +Ve |
| 54 | C | Mi ^a +Ve | -Ve | -Ve |
| 55 | C | Mi ^a +Ve | +Ve | +Ve |
| 56 | C | Mi ^a +Ve | -Ve | -Ve |
| 57 | C | Mi ^a +Ve | +Ve | +Ve |
| 58 | C | Mi ^a +Ve | +Ve | +Ve |
| 59 | C | Mi ^a +Ve | +Ve | +Ve |
| 60 | C | Mi ^a +Ve | +Ve | +Ve |
| 61 | C | Mi ^a +Ve | +Ve | +Ve |
| 62 | C | Mi ^a +Ve | +Ve | +Ve |
| 63 | C | Mi ^a +Ve | +Ve | +Ve |
| 64 | C | Mi ^a +Ve | +Ve | +Ve |
| 65 | M | Mi ^a +Ve | +Ve | +Ve |
| 66 | I | Mi ^a +Ve | -Ve | -Ve |
| 68 | N | Mi ^a +Ve | -Ve | -Ve |
| 69 | N | Mi ^a +Ve | -Ve | -Ve |
| 70 | C | Mi ^a +Ve | +Ve | +Ve |
| 71 | I | Mi ^a +Ve | -Ve | -Ve |
| 72 | M | Mi ^a +Ve | -Ve | -Ve |
| 73 | M | Mi ^a +Ve | -Ve | -Ve |
| 74 | M | Mi ^a +Ve | +Ve | +Ve |
| 75 | C | Mi ^a +Ve | +Ve | +Ve |
| 76 | C | Mi ^a +Ve | +Ve | +Ve |
| 77 | C | Mi ^a +Ve | +Ve | +Ve |
| 78 | C | Mi ^a +Ve | -Ve | -Ve |
| 79 | C | Mi ^a +Ve | +Ve | +Ve |

ST: Serological Test, **PCR:** Polymerase chain reaction, **RT-PCR:** Real Time PCR, **PCR-SSP:** PCR – sequence specific primer, **+Ve:** Positive, **-Ve:** Negative. *The detection of Mi^a antigen serologically and the Real-time PCR were done by Nadarajan & Shanmugam (2005).

Appendix B:

Preparation of 10 X TBE Buffer for agarose gel electrophoresis:

| | |
|------------------|------------|
| Tris base | 25 g |
| Boric Acid | 27.5 g |
| EDTA (pH 8.0) | 20 ml |
| H ₂ O | to 1 Liter |