**Table S1.** Characteristics of the donors.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case | Sample ID 1 | Origin | Gestation Week | Sex | Clinical state |
| 1 | WC1 | Maternal plasma | 23 |  |  |
| WC1F | Father’s blood spot |  | Male | No special |
| WC1M | Mother’s blood spot |  | Female | No special |
| WC1Z | Amniotic fluid |  | Female | No special |
| 2 | WC3 | Maternal plasma | 24 |  |  |
| WC3F | Father’s blood spot |  | Male | No special |
| WC3M | Mother’s blood spot |  | Female | No special |
| WC3Z | Amniotic fluid |  | Male | No special |
| 3 | WC4 | Maternal plasma | 13 + 3 |  |  |
| WC4F | Father’s blood spot |  | Male | No special |
| WC4M | Mother’s blood spot |  | Female | No special |
| WC4Z | Amniotic fluid |  | Female | No special |
| 4 | WC5 | Maternal plasma | 13 + 3 |  |  |
| WC5F | Father’s blood spot |  | Male | No special |
| WC5M | Mother’s blood spot |  | Female | No special |
| WC5Z | Amniotic fluid |  | Female | No special |
| 5 | WC8 | Maternal plasma | 12 + 6 |  |  |
| WC8F | Father’s blood spot |  | Male | No special |
| WC8M | Mother’s blood spot |  | Female | No special |
| WC8Z | Amniotic fluid |  | Female | No special |
| 6 | WC9 | Maternal plasma | 13 |  |  |
| WC9F | Father’s blood spot |  | Male | No special |
| WC9M | Mother’s blood spot |  | Female | No special |
| WC9Z | Amniotic fluid |  | Female | No special |
| 7 | WC10 | Maternal plasma | 12 |  |  |
| WC10F | Father’s blood spot |  | Male | No special |
| WC10M | Mother’s blood spot |  | Female | No special |
| WC10Z | Amniotic fluid |  | Female | No special |
| 8 | WC11 | Maternal plasma | 12 |  |  |
| WC11F | Father’s blood spot |  | Male | No special |
| WC11M | Mother’s blood spot |  | Female | No special |
| WC11Z | Amniotic fluid |  | Female | No special |
| 9 | WC12 | Maternal plasma | 11 + 5 |  |  |
| WC12F | Father’s blood spot |  | Male | No special |
| WC12M | Mother’s blood spot |  | Female | No special |
| WC12Z | Amniotic fluid |  | Female | No special |
| 10 | WC14 | Maternal plasma | 13 |  |  |
| WC14F | Father’s blood spot |  | Male | No special |
| WC14M | Mother’s blood spot |  | Female | No special |
| WC14Z | Amniotic fluid |  | Female | No special |
| 11 | WC15 | Maternal plasma | 14 |  |  |
| WC15F | Father’s blood spot |  | Male | No special |
| WC15M | Mother’s blood spot |  | Female | No special |
| WC15Z | Amniotic fluid |  | Female | No special |
| 12 | WC16 | Maternal plasma | 21 |  |  |
| WC16F | Father’s blood spot |  | Male | No special |
| WC16M | Mother’s blood spot |  | Female | No special |
| WC16Z | Amniotic fluid |  | Female | No special |
| 13 | WC17 | Maternal plasma | 17 + 5 |  |  |
| WC17F | Father’s blood spot |  | Male | No special |
| WC17M | Mother’s blood spot |  | Female | No special |
| WC17Z | Amniotic fluid |  | Female | No special |
| 14 | WC19 | Maternal plasma | 7 |  |  |
| WC19F | Father’s blood spot |  | Male | Fertility treatment |
| WC19M | Mother’s blood spot |  | Female | Fertility treatment |
| WC19Z | Chorionic villus |  | Female | No special |
| 15 | WC20 | Maternal plasma | 9 + 2 |  |  |
| WC20F | Father’s blood spot |  | Male | Fertility treatment |
| WC20M | Mother’s blood spot |  | Female | Fertility treatment |
| WC20Z | Chorionic villus |  | Female | No special |
| 16 | WC21 | Maternal plasma | 9 + 5 |  |  |
| WC21F | Father’s blood spot |  | Male | Fertility treatment |
| WC21M | Mother’s blood spot |  | Female | Fertility treatment |
| WC21Z | Chorionic villus |  | Male | No special |
| 17 | WC22 | Maternal plasma | 12 + 4 |  |  |
| WC22F | Father’s blood spot |  | Male | Fertility treatment |
| WC22M | Mother’s blood spot |  | Female | Fertility treatment |
| WC22Z | Chorionic villus |  | Female | No special |

1 The characters F, M and Z represent father, mother, and their child, respectively.