Supplementary Material 1. Demographic Data of the Subjects

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| --- | --- | --- | --- |
| **Subject** | **Age** | **Gender** | **Diagnosis** |
| AZT01 | 16 | M | HbSB+ |
| AZT02 | 15 | M | HbSS |
| AZT03 | 11 | M | HbSB+ |
| AZT04 | 9 | F | HbSC |
| AZT05 | 13 | F | HbSS |
| AZT06 | 10 | M | HbSS |
| AZT07 | 13 | M | HbSC |
| AZT08 | 8 | M | HbSS |
| AZT09 | 6 | F | HbSS |
| AZT10 | 12 | F | HbSS |
| AZT11 | 9 | F | HbSC |
| AZT12 | 6 | M | HbSC |
| CTRL01 | 14 | F | HbSB+ |
| CTRL02 | 14 | F | HbSS |
| CTRL03 | 10 | M | HbSS |
| CTRL04 | 11 | M | HbSS |
| CTRL05 | 6 | F | HbSS |
| CTRL06 | 12 | F | HbSS |
| CTRL07 | 12 | F | HbSS |
| CTRL08 | 6 | M | HbSC |