## Supplementary material

**Supplementary Table 1. FVIII-equivalent activity (%) of SIA at different CAT parameters**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Peak thrombin (%) | Time-to-peak (%) | Lag time (%)a | ETP (%) | Velocity index (%) |
|  | TF | FXIa | TF | FXIa | TF | FXIa | TF | FXIa | TF | FXIa |
| Donor 1, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 3.5 | NC | <1**a** | 13.3 | 2.1 | 22.4 | 4.7 | 1.9 | 2.9 | NC |
| 200 | 7.5 | 1.7 | <1**a** | 39.8 | 48.7 | 49.4 | 20.4 | 5.1 | 4.2 | 1.7 |
| 600 | 21.0 | 3.8 | <1**a** | >100 | NC | >100 | 62.2 | 35.5 | 11.9 | 4.0 |
| Donor 2, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 3.2 | 1.3 | <1**a** | 6.8 | 2.1 | 35.4 | 2.0 | 5.9 | 2.6 | 1.0 |
| 200 | 8.6 | 2.3 | 3.1 | 20.8 | NC | >100 | NC  | 5.6 | 6.7 | 2.3 |
| 600 | 15.1 | 3.5 | 8.9 | 80.8 | NC | >100 | 6.9 | 9.9 | 13.1 | 3.5 |
| Donor 3, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 2.5 | 2.6 | 1.2 | 19.7 | 9.7 | 42.1 | 2.7 | 4.9 | NC | 2.2 |
| 200 | 9.4 | 4.7 | 2.2 | >100**a** | 11.6 | >100 | 15.8 | 12.6 | 6.0 | 4.7 |
| 600 | 31.5 | 7.7 | 3.3 | >100**a** | 25.4 | >100 | 59.2 | 36.8 | 16.9 | 8.4 |
| Donor 4, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 2.6 | 2.5 | 1.1**a** | 41.0**a** | >100 | >100 | 3.2 | 5.2 | 1.0 | 2.2 |
| 200 | 7.1 | 3.2 | 4.0 | >100 | 1.6 | >100 | 9.1 | 13.9 | 4.9 | 3.7 |
| 600 | 18.8 | 3.7 | 7.1 | >100 | NC | >100 | 25.8 | 31.6 | 14.1 | 5.3 |
| Donor 5, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 1.5 | 2.0 | <1**a** | 47.6 | >100 | >100 | 1.7 | 4.7 | 3.3 | 1.7 |
| 200 | 7.6 | 3.9 | <1**a** | >100 | 6.0 | >100 | 16.1 | 7.6 | 5.9 | 4.1 |
| 600 | 20.4 | 5.6 | <1**a** | >100 | NC | >100 | 39.9 | 17.4 | 12.2 | 6.3 |
| Donor 6, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 3.3 | 2.6 | <1**a** | 34.2 | 27.0 | >100 | 6.6 | 5.4 | 2.1 | 2.0 |
| 200 | 13.5 | 4.3 | 2.3 | >100 | NC | >100 | 19.5 | 11.6 | 9.7 | 4.4 |
| 600 | 34.8 | 4.9 | 1.4 | >100 | NC | >100 | 54.4 | 14.5 | 22.5 | 5.7 |
| Donor 7, SIA (nM) |  |  |  |  |  |  |  |  |  |  |
| 60 | 5.1 | NC | 1.0 | 3.6 | 42.7 | 9.2 | 26.2b | NC | NC | NC |
| 200 | 5.1 | 3.1 | 1.2 | 26.0 | 2.0 | 73.1 | 8.9b | 6.0 | 5.3 | 3.1 |
| 600 | 21.6 | 4.6 | <1**a** | >100 | NC | >100 | 46.2b | 7.2 | 15.9 | 6.7 |

CAT parameters are displayed as FVIII-equivalent activity for plasma samples from seven hemophilia A donors. Standard units for CAT parameters are: peak thrombin (nM), time to peak (minutes), lag time (minutes), ETP (nM x minutes), velocity index (nM/minutes). CAT, calibrated automated thrombography; ETP, endogenous thrombin potential; FVIII, factor VIII; FXIa, activated factor XI; NC, not calculable; SIA, sequence identical analogue; TF, tissue factor. aCalculated with second-order parameter fit. **b**Does not fit concentration dependency.