**Supplementary Table S2: Sperm parameters recorded for infertile patients at time of diagnosis**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sample #** | **Patient age** | **Diagnosis** | **Sperm concentration (x106/mL)** | **Volume**  **(mL)** | **Progressive motility (%)** | **Length of infertility (years)** |
| 1 | 32 | Unexplained | 53 | 4.7 | 48 | 2 |
| 2 | 36 | Unexplained | 98 | 2 | 37 | 3 |
| 3 | 39 | Unexplained | 55 | 1.8 | 45 | 2 |