**Supporting information**

**Table S1** Table showing the correlation between NBT(+) cells in the raw semen 0 h, raw semen 1 h, and swim-up with 0 µM AA

|  |  |  |
| --- | --- | --- |
|  | Percentage of NBT(+) cells in the raw semen 1h | Percentage of NBT(+) cells in the swim-up 0 µM AA |
| Percentage of NBT(+) cells in the raw semen 0 h | R = 0.829; *P* < 0.001 | R = 0.542; *P* = 0.009 |
| Percentage of NBT(+) cells in the raw semen 1 h |  | R = 0.66; *P* < 0.001 |

**Table S2** Table showing the spearman correlation between NBT(+) cells and TB(+) cells

|  |  |
| --- | --- |
|  | Percentage of NBT(+) cells |
| Percentage of TB(+) cells | R = 0.32; *P* = 0.007 |