

Table 6. Association between miR-99a and miR-143 expression and semen parameters in male participants.

**(A) Correlation analysis**

| Parameter   | miR-99a<br>(Spearman) | p-value | N  | miR-143<br>(Spearman) | p-value | N  |
|-------------|-----------------------|---------|----|-----------------------|---------|----|
| Motility    | -0.146                | 0.395   | 36 | -0.124                | 0.470   | 36 |
| Total count | 0.166                 | 0.334   | 36 | 0.224                 | 0.190   | 36 |

**(B) Group comparison (based on motility)**

| miRNA   | Motility Group | N  | Mean normalized expression | SD   | p-value |
|---------|----------------|----|----------------------------|------|---------|
| miR-99a | ≤42%           | 20 | 7.18                       | 2.23 | 0.203   |
|         | >42%           | 16 | 5.97                       | 2.64 |         |
| miR-143 | ≤42%           | 20 | 5.05                       | 1.77 | 0.214   |
|         | >42%           | 16 | 3.96                       | 2.20 |         |