**S1 Table. Values of the sector distinguishing factor for different groups of mice in memory tests in the Morris water maze.**

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| --- | --- | --- |
|   | Staying in Morris maze sectors, time  | Visits to Morris maze sectors, frequency |
| *Group* | *F(3.32)* | *P value* | *F(3.32)* | *P value* |
| SO + saline (n=9) | 45.52025 | 1.19E-11 | 44.87332 | 1.43E-11 |
| OBX + saline (n=9) | 2.507861 | 0.076512 | 2.33613 | 0.092325 |
| OBX+YB-11-324 (n=9) | 27.57916 | 5.31E-09 | 9.107045 | 0.000167 |
| OBX+YB-11-219 (n=9) | 19.27148 | 2.54E-07 | 10.67199 | 5.11E-05 |
| OBX+YB-152-129 (n=9) | 5.392287 | 0.004054 | 3.328356 | 0.031761 |
| *Group* | *F(3.16)* | *P value* | *F(3.16)* | *P value* |
| OBX+BSA (n=5) | 1,987516 | 0.092125 | 2.057110 | 0.118235 |