**Table S1** Bonferroni matrices of pairwise mean differences for gold nanoparticles labelling between membrane domains and physiological conditions.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |
| Acrosomal region (A) | | |  | Postacrosomal region (PA) | | |  | A+PA | | |
| Conditionsa | UCAP | CAP1 |  |  | UCAP | CAP1 |  |  | UCAP | CAP1 |
| CAP1 | 27.060\* |  |  | CAP1 | 8.340\* |  |  | CAP1 | 35.400\* |  |
| CAP4 | 75.820\* | 48.760\* |  | CAP4 | 27.060\* | 18.720\* |  | CAP4 | 102.880\* | 67.480\* |
| aSperm conditions: uncapacitated (UCAP), one-hour-capacitated (CAP1) and four-hour-capacitated (CAP4). Statistical significant differences at *P*<0.05 (\*). | | | | | | | | | | |