

## Electronic Supplementary Material 3

### Conservation of coral reef fishes: A field-hardy method to cryopreserve spermatogonial cells

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#### Data Summary

**Table S1:** Fresh versus cryopreserved gonads: difference in concentration (average  $\pm$  SE cells/mL) of testicular cells (sperm cells + spermatogonial cells), intact sperm cells, and intact spermatogonial cells.

| <b>Testicular Cell Treatment</b> | <b>sperm + spermatogonial cells (all)</b> | <b>sperm cells (intact cells only)</b> | <b>spermatogonial cells (intact cells only)</b> |
|----------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------------------|
| Fresh                            | $16 \times 10^6 \pm 3 \times 10^6$        | $13 \times 10^6 \pm 3 \times 10^6$     | $45 \times 10^3 \pm 24 \times 10^3$             |
| Cryopreserved*                   | $14 \times 10^6 \pm 3 \times 10^6$        | $8 \times 10^6 \pm 2 \times 10^6$      | $28 \times 10^3 \pm 11 \times 10^3$             |

\* with freshly prepared CPA

**Table S2:** cryopreservation using freshly prepared versus frozen cryoprotectant: difference in the concentration (average  $\pm$  SE cells/mL) of testicular cells (sperm cells + spermatogonial cells), intact sperm cells, and intact spermatogonial cells

| <b>Testicular Cell Treatment</b>        | <b>sperm + spermatogonial cells (all)</b> | <b>sperm cells (intact cells only)</b> | <b>spermatogonial cells (intact cells only)</b> |
|-----------------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------------------|
| Cryopreserved with freshly prepared CPA | $10 \times 10^6 \pm 1 \times 10^6$        | $5 \times 10^6 \pm 1 \times 10^6$      | $6 \times 10^3 \pm 2 \times 10^3$               |
| Cryopreserved with frozen CPA           | $10 \times 10^6 \pm 2 \times 10^6$        | $5 \times 10^6 \pm 1 \times 10^6$      | $5 \times 10^3 \pm 1 \times 10^3$               |