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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
* You should state the statistical method of sample size computation and any required assumptions
* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

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All statistical methods and sample sizes are included in the Methods, Results and Figure Legends. No statistical method was used to predetermine sample size when the study was being designed. However, sample size selection was same as our recent publications (e.g., Liu and Carter, 2018; McGarry and Carter, 2016).

**Replicates**

* You should report how often each experiment was performed
* You should include a definition of biological versus technical replication
* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
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The numbers of replicates are stated throughout the Results and Figure Legends. All experiments were replicated in at least 3 animals, with at least 6 cells for descriptive statistics, 7 cells for paired comparisons. All data was included, with none excluded.

**Statistical reporting**

* Statistical analysis methods should be described and justified
* Raw data should be presented in figures whenever informative to do so (typically when N per group is less than 10)
* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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The statistical tests are described in the Materials and Methods under Data Analysis and are similar to those used in our recent publications (e.g., Liu and Carter, 2018; McGarry and Carter, 2016). Raw data are presented in the figures whenever possible. Test results, including exact N and p-values, are reported throughout the Results.

(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

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* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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