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# A subpopulation of itch sensing neurons marked by Ret and Somatostatin expression

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#### Reporting Checklist For Life Sciences Articles (Rev. July 2015)

This checklist is used to ensure good reporting standards and to improve the reproducibility of published results. These guidelines are consistent with the Principles and Guidelines for Reporting Preclinical Research issued by the NIH in 2014. Please follow the journal's authorship guidelines in preparing your manuscript.

### A- Figures

#### 1. Data

## The data shown in figures should satisfy the following conditions:

- a the data were obtained and processed according to the field's best practice and are presented to reflect the results of the experiments in an accurate and unbiased manner.
   figure panels include only data points, measurements or observations that can be compared to each other in a scientifically meaningful way.
   graphs include clearly labeled error bars for independent experiments and sample sizes. Unless justified,
- error bars should not be shown for technical replicates.
- → if n< 5, the individual data points from each experiment should be plotted and any statistical test employed This 3, the individual data points from each experiment should be protected and any scatterial test employed should be justified
   Source Data should be included to report the data underlying graphs. Please follow the guidelines set out in
- the author ship guidelines on Data Presentation

## 2. Captions

## Each figure caption should contain the following information, for each panel where they are relevant:

- a specification of the experimental system investigated (eg cell line, species name).

  the assay(s) and method(s) used to carry out the reported observations and measurements

  an explicit mention of the biological and chemical entity(ies) that are being measured.

  an explicit mention of the biological and chemical entity(ies) that are altered/varied/perturbed in a
- controlled manner.
- the exact sample size (n) for each experimental group/condition, given as a number, not a range;
   a description of the sample collection allowing the reader to understand whether the samples represent technical or biological replicates (including how many animals, litters, cultures, etc.).

- technical or biological replicates (including how many animals, litters, cultures, etc.).

  a statement of how many times the experiment shown was independently replicated in the laboratory.

  definitions of statistical methods and measures:

  common tests, such as t-test (please specify whether paired vs. unpaired), simple  $\chi Z$  tests, Wilcoxon and Mann-Whitney tests, can be unambiguously identified by name only, but more complex techniques should be described in the methods section;

  are tests one-sided or two-sided?

  are there adjustments for multiple comparisons?

  exact statistical test results, e.g., P values = x but not P values < x;

  definition of feaster values as median or average:

  - definition of 'center values' as m

Please ensure that the answers to the following questions are reported in the manuscript itself. We encou to include a specific subsection in the methods section for statistics, reagents, animal models and human states.

In the pink boxes below, provide the page number(s) of the manuscript draft or figure legend(s) where

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## **B- Statistics and general methods**

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6. To show that antibodies were profiled for use in the system under study (assay and species), provide a citation, catalog number and/or clone number, supplementary information or reference to an antibody validation profile. e.g., Antibodypedia (see link list at top right), 1DegreeBio (see link list at top right).	Pages 18 to 24
<ol><li>Identify the source of cell lines and report if they were recently authenticated (e.g., by STR profiling) and tested for mycoplasma contamination.</li></ol>	NA

# **D- Animal Models**

8. Report species, strain, gender, age of animals and genetic modification status where applicable. Please detail housing and husbandry conditions and the source of animals.	Pages 18 and 19
<ol> <li>For experiments involving live vertebrates, include a statement of compliance with ethical regulations and identify the committee(s) approving the experiments.</li> </ol>	Page 19
10. We recommend consulting the ARRIVE guidelines (see link list at top right) (PLoS Biol. 8(6), e1000412, 2010) to ensure that other relevant aspects of animal studies are adequately reported. See author guidelines, under 'Reporting Guidelines'. See also: NIH (see link list at top right) and MRC (see link list at top right) recommendations. Please confirm compliance.	Page 19

## E- Human Subjects

11. Identify the committee(s) approving the study protocol.	NA .
12. Include a statement confirming that informed consent was obtained from all subjects and that the experiments conformed to the principles set out in the WMA Declaration of Helsinki and the Department of Health and Human Services Belmont Report.	NA .
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# F- Data Accessibility

18. Provide accession codes for deposited data. See author guidelines, under 'Data Deposition'.	Page 21
Data deposition in a public repository is mandatory for:	
a. Protein, DNA and RNA sequences	
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Authors are strongly encouraged to follow the MIRIAM guidelines (see link list at top right) and deposit	
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