<table>
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<tr>
<th>Title</th>
<th>Electrical properties and gustatory responses of various taste disk cells of frog fungiform papillae</th>
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<tr>
<td>Author(s)</td>
<td>Sato, Toshihide; Nishishita, Kazuhisa; Okada, Yukio; Toda, Kazuo</td>
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Fig. 1

A

B  Taste disk cells

Resting potential (mV)

-50
-40
-30
-20
-10
0

Ia  lb  II/III

72  64  73  41  96  43

- cut PSN
- intact PSN
Fig. 2

Input resistance (\('%\))

<table>
<thead>
<tr>
<th></th>
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<th>intact PSN</th>
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<tbody>
<tr>
<td>Ia</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Ib</td>
<td>15</td>
<td>15</td>
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<tr>
<td>II/III</td>
<td>15</td>
<td>15</td>
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</table>

Taste disk cells
Fig. 3
Fig. 4

- 1 M NaCl
- 1 mM acetic acid
- 10 mM Q-HCl
- 1 M sucrose

Tastant-induced response (mV)

Membrane potential (mV)

- cut PSN
- intact PSN
Fig. 5

[Graph showing different responses labeled Ia, Ib, and II/III with corresponding concentrations: 1 M NaCl, 1 mM acetic acid, 10 mM Q-HCl, and 1 M sucrose. The y-axis is labeled 10 mV and the x-axis is labeled 10 s.]
Fig. 6

(A) Ia (cut PSN)

1 M NaCl

1 mM acetic acid

10 mM Q-HCl

1 M sucrose

(B) Ib (cut PSN)

1 M NaCl

1 mM acetic acid

10 mM Q-HCl

1 M sucrose

(C) II/III (cut PSN)

1 M NaCl

1 mM acetic acid

10 mM Q-HCl

1 M sucrose

(D) II/III (intact PSN)

1 M NaCl

1 mM acetic acid

10 mM Q-HCl

1 M sucrose