<table>
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<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

<table>
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<tr>
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<th>Resting potential (mV)</th>
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<tr>
<td>Ia</td>
<td>72, 64</td>
</tr>
<tr>
<td>Ib</td>
<td>73, 41</td>
</tr>
<tr>
<td>II/III</td>
<td>96, 43</td>
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</table>

- cut PSN
- intact PSN
Fig. 2

Input resistance (%) for taste disk cells with cut PSN and intact PSN.
Fig. 3

A

Depolarization (mV) vs. time

B

Depolarization (mV) vs. NaCl concentration

C

Depolarization (mV) vs. acetic acid concentration

D

Depolarization (mV) vs. Q-HCl concentration

E

Depolarization (mV) vs. sucrose concentration

Taste disk cells

Fig. 3
Fig. 4

Ia  
1 M NaCl

Ib
1 mM acetic acid

II/III
10 mM Q-HCl

1 M sucrose

Tastant-induced response (mV)

Membrane potential (mV)

○ cut PSN
△ intact PSN
Fig. 5

1 M NaCl  1 mM acetic acid  10 mM Q-HCl  1 M sucrose
Fig. 6