**Fig. 1**

Panel A shows two graphs labeled a and b. The graphs depict changes in potential over time, with labels indicating time intervals of 10 seconds.

Panel B presents a bar graph labeled "Taste disk cells." It compares resting potentials for different groups labeled Ia, Ib, and II/III, with cut PSN and intact PSN conditions. The values for each group are indicated by shaded bars and include the following:

- Ia: 72, 64
- Ib: 73, 41
- II/III: 96, 43
Fig. 2

Bar graph showing input resistance (%) for different taste disk cells (Ia, Ib, II/III) with cut PSN and intact PSN conditions.
Fig. 3
Fig. 4
Fig. 5

Ia

Ib

II/III

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

10 mV

10 s

Fig. 5
Fig. 6

A. Ia (cut PSN)

B. Ib (cut PSN)

C. II/III (cut PSN)

D. II/III (intact PSN)

Graphs showing depolarization (mV) in taste disk cells with various stimuli:
- 1 M NaCl
- 1 mM acetic acid
- 10 mM Q-HCl
- 1 M sucrose

Graphs indicate differences in depolarization response between the cut and intact PSN conditions.