

PCR lab

Data analysis. Summary

Effect of a genotype on a type of PTC tasters:

There was a significant difference among people with different genotypes in their ability to taste PTC (ANOVA: $F(2,14) = 3.86$, $P = 0.046$). Dominant homozygotes and recessive homozygotes were significantly different in their type of PTC tasters (post-hoc Tukey's test: $p = 0.0369$); whereas other genotypes didn't differ (post-hoc Tukey's test: $p > 0.05$).

Effect of a genotype on the preference for green leaf vegetables:

There was no difference among people with different genotypes in their preference for green leaf vegetables (ANOVA: $F(2,14) = 0.645$, $P = 0.54$).

Correlation between type of PTC tasters and its preference for green leaf vegetables:

Pearson's $r = 0.185109$.

Weak positive correlation.

That means that strong preference for green leaf vegetables is weakly associated with strong taste for PTC.

Abbreviations for plots

Tasters:

nt: non-tasters

st: strong tasters

wt: weak tasters

Preferences for green leaf vegetables:

np: don't like or slight preference (rating:0-3)

ap: moderate preference (rating:4-7)

sp: strong preference (rating:8-10)

Preferences for green leaf vegetables for comparisons (indicated on the plot):

np = "0"

ap = "1"

sp = "2"

