Table S1. The percentages of *TAS1Rs*, *GNAT3*, *GNA14*, and *PLCB2* co-expression in the circumvallate taste buds

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| X Y | TAS1R1 | TAS1R2 | TAS1R3 | GNAT3 | GNA14 | PLCB2 |
| TAS1R1 |  | 0%  (0/48) | 18% (32/176) | 12% (30/250) | 40% (23/57) | 17% (23/138) |
| TAS1R2 | 0%  (0/14) |  | 37% (100/273) | 30% (68/228) | 8%  (9/108) | 25% (33/133) |
| TAS1R3 | 100% (32/32) | 100% (100/100) |  | 82% (125/153) | 100% (47/47) | 80% (86/107) |
| GNAT3 | 68% (30/44) | 92% (68/74) | 72% (125/174) |  | 0%  (0/9) | 66% (61/92) |
| GNA14 | 46% (23/50) | 7%  (9/132) | 26% (47/182) | 0%  (0/39) |  | 14% (18/133) |
| PLCB2 | 100% (23/23) | 87% (33/38) | 84% (86/103) | 91% (61/67) | 100% (18/18) |  |

The percentage values were calculated by dividing the number of cells expressing both gene X and gene Y by the number of cells expressing gene X.