**SI3.**

|  |  |  |  |
| --- | --- | --- | --- |
| Compound / blend | χ2 Test | | |
| df | χ2 | *P* |
| (7*S*)-Conophthorin (35ng/μl) + *rac*.-chalcogran (50ng/μl) + ethanol (300ng/μl) + methanol (700ng/μl) | 1 | 40.39 | < 0.0001 |
| (7*S*)-Conophthorin (35ng/μl) | 1 | 32.64 | < 0.0001 |
| ((7*S*)-Conophthorin (10ng/μl) | 1 | 5.92 | 0.0150 |
| *rac*.-chalcogran (50ng/μl) | 1 | 13.31 | 0.0003 |
| Mixture 4: (7*S*)-conophthorin (35ng/μl) + methyl-3-ethyl-4-methylpentanoate (1.5ng/μl) + *rac*.-chalcogran (2ng/μl) + 1,6-dioxaspiro[4.5]decane (1ng/μl) | 1 | 28.97 | < 0.0001 |
| Mixture 4 without 1,6-dioxaspiro[4.5]decane: (7*S*)-conophthorin (35ng/μl) + methyl-3-ethyl-4-methylpentanoate (1.5ng/μl) + *rac*.-chalcogran (2ng/μl) | 1 | 41.98 | < 0.0001 |
| Mixture 4 without methyl 3-ethyl-4-methylpentanoate: (7*S*)-conophthorin (35ng/μl) + *rac*.-chalcogran (2ng/μl) + 1,6-dioxaspiro[4.5]decane (1ng/μl) | 1 | 15.70 | < 0.0001 |
| Mixture 4 without methyl 3-ethyl-4-methylpentanoate and 1,6-dioxaspiro[4.5]decane: ((7*S*)-conophthorin (35ng/μl) + *rac*.-chalcogran (2ng/μl)) | 1 | 19.08 | < 0.0001 |