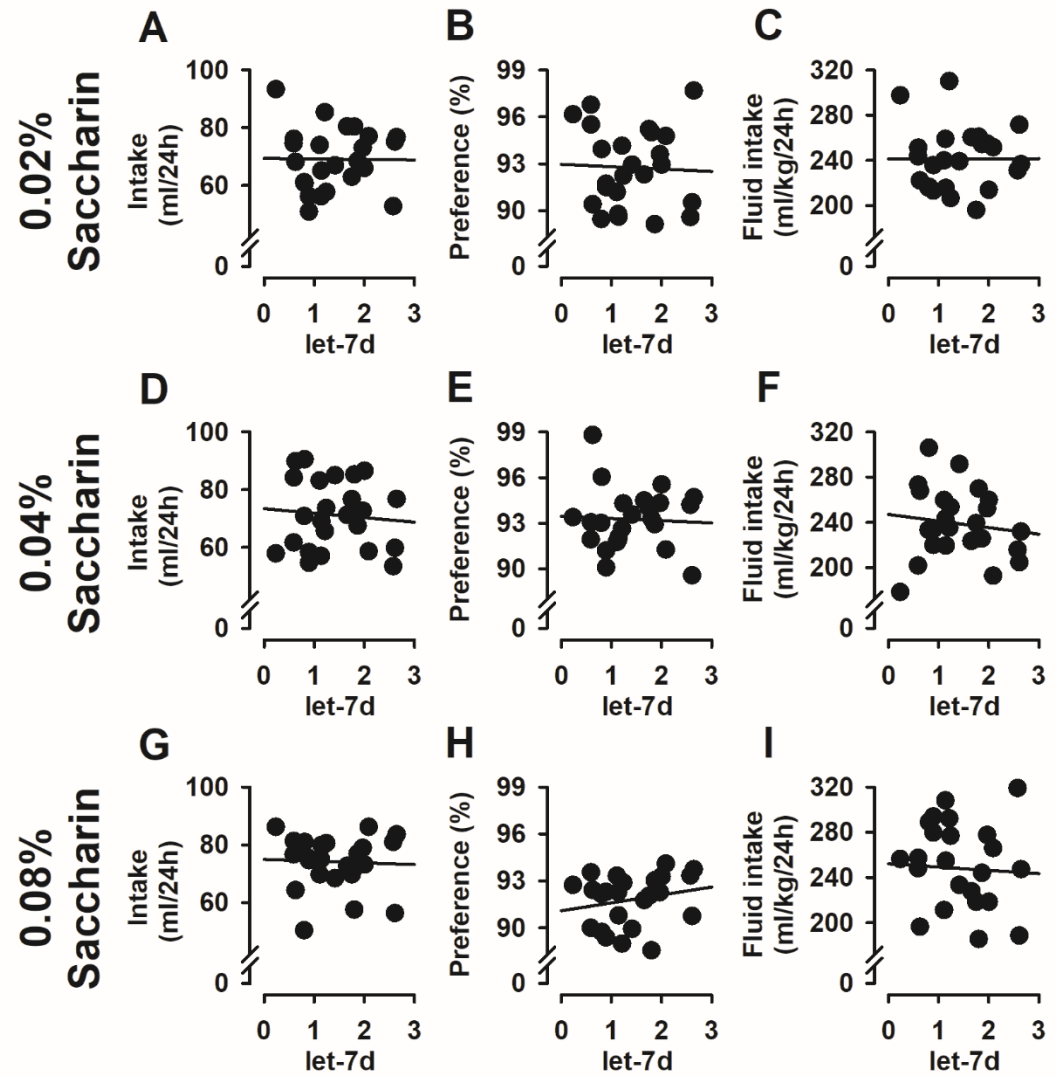
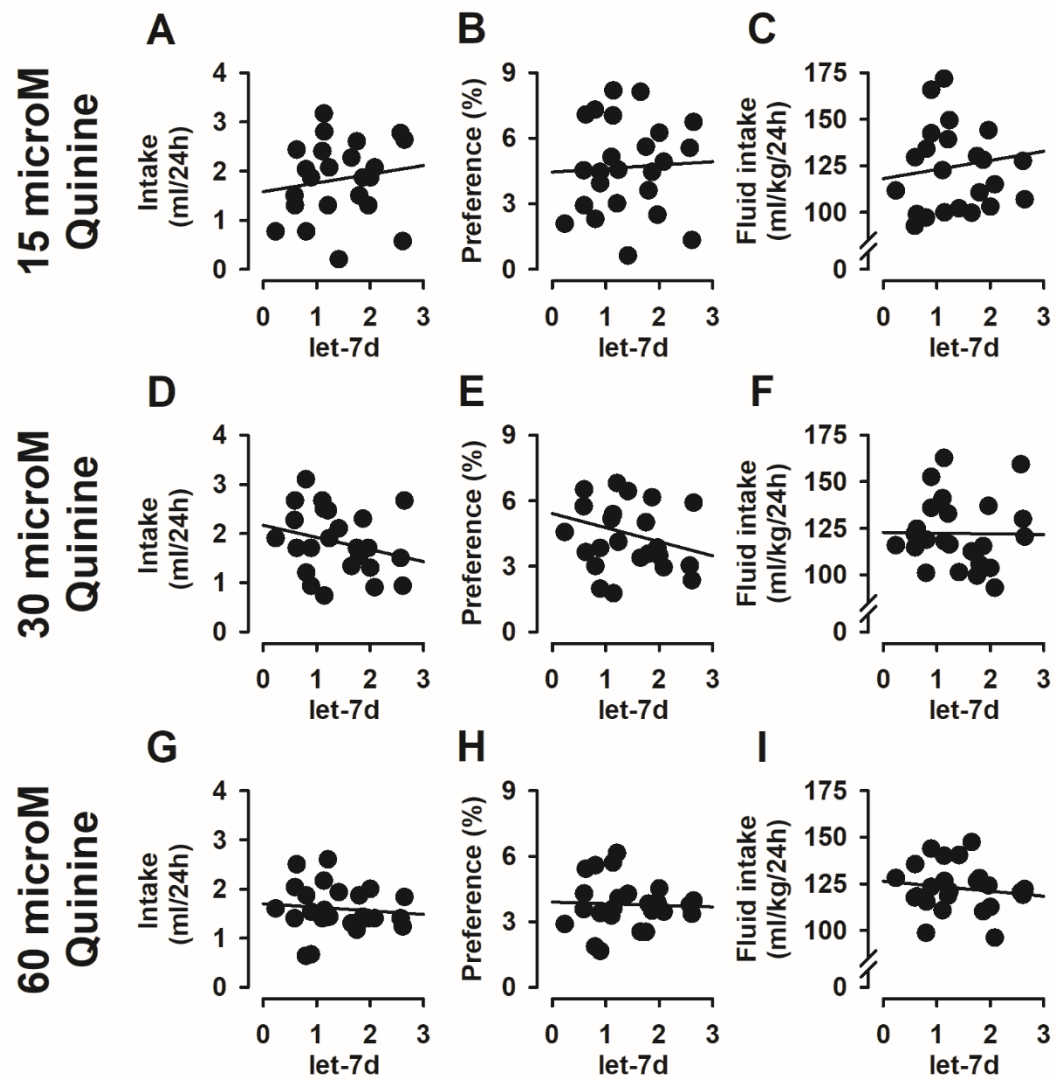
# Lentiviral-mediated up-regulation of let-7d microRNA decreases alcohol intake through down-regulating the dopamine D3 receptor

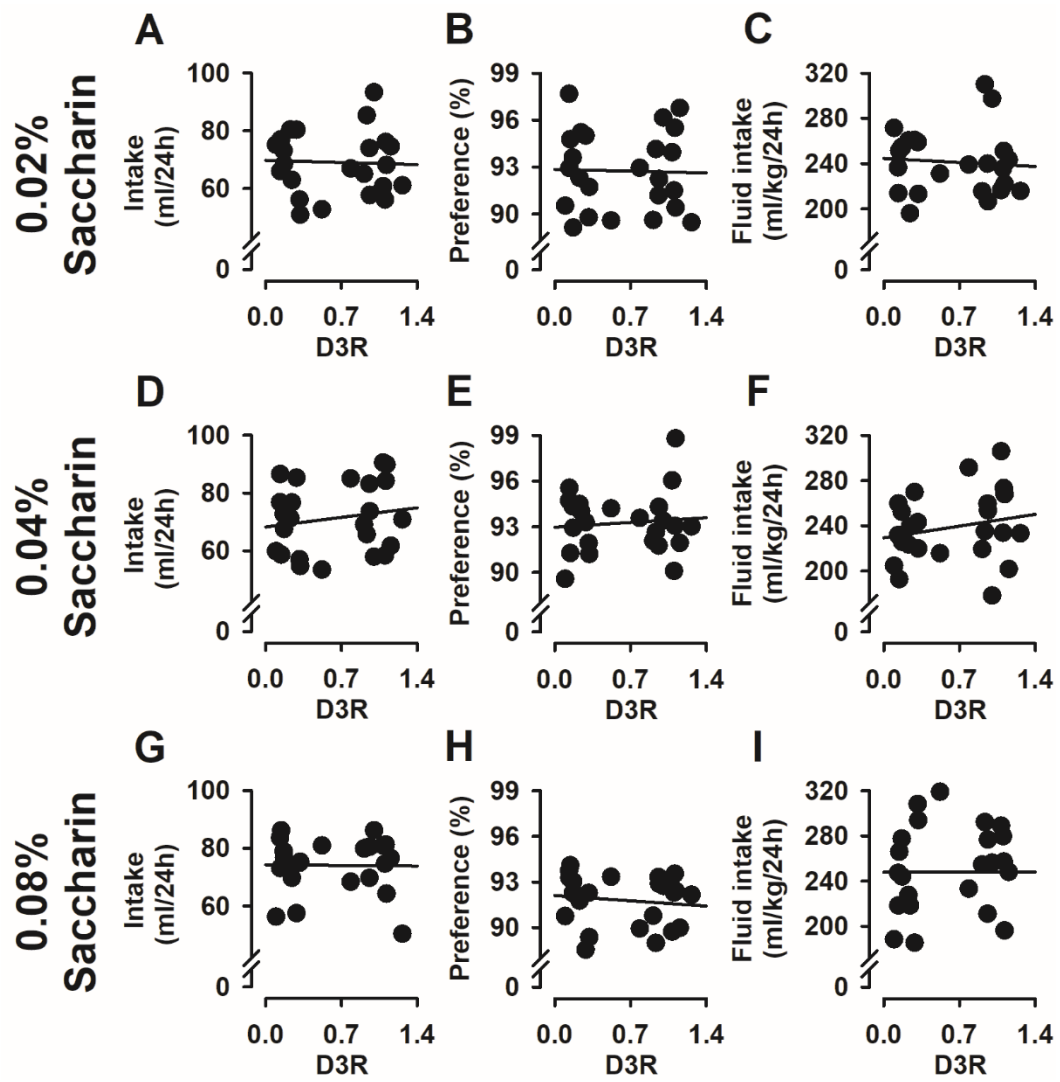
## Supplementary Figures



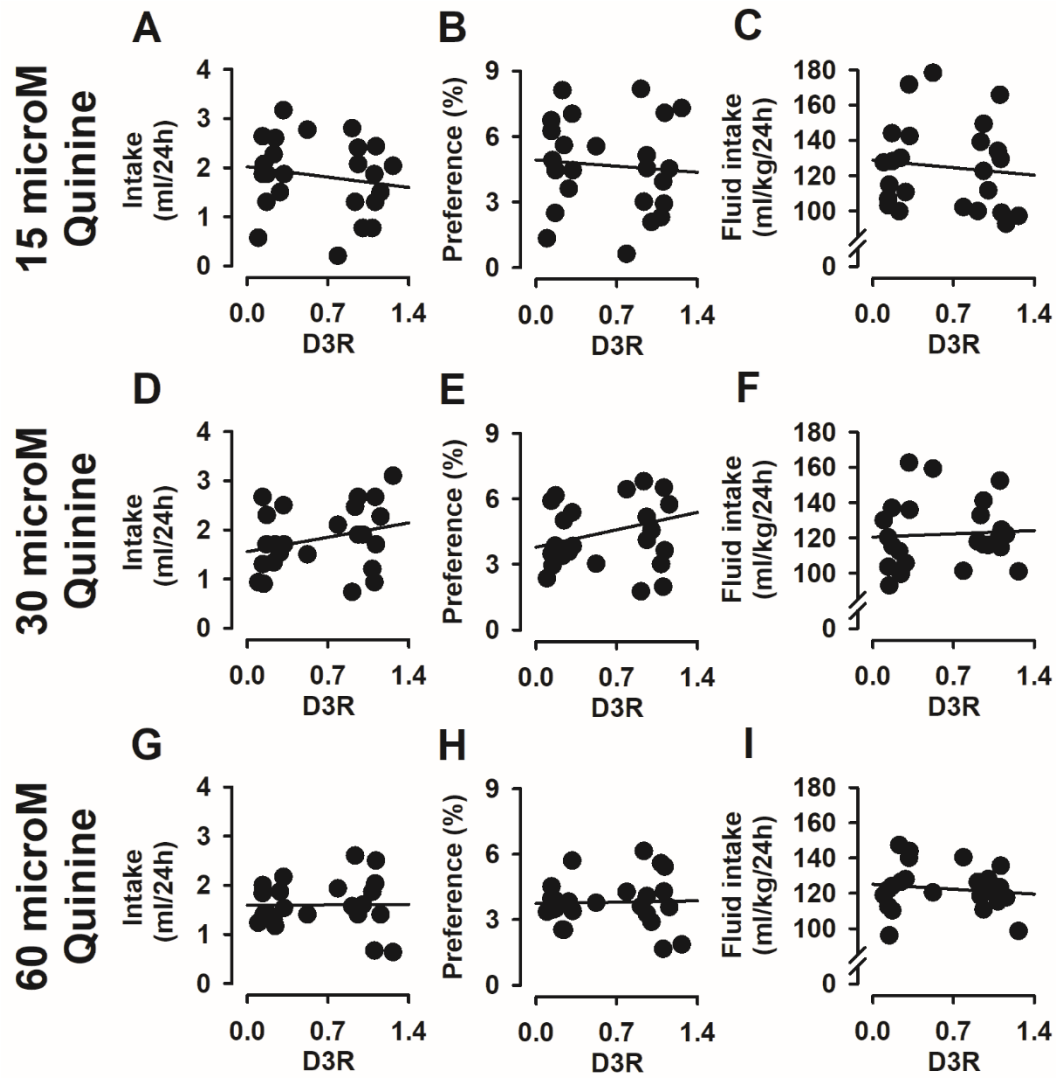

**Suppl Fig. 1. Pearson correlations.** The data represent simple scatter regression between let-7d levels with the **A**, **D**, & **G)** saccharin consumption from the 0.02, 0.04, and 0.08% solutions respectively; **B**, **E**, & **H)** saccharin preference from the 0.02, 0.04, and 0.08% solutions respectively; and **C**, **F**, & **I**) total fluid intake from the 0.02, 0.04, and 0.08% solutions respectively.




**Suppl Fig. 2. Pearson correlations.** The data represent simple scatter regression between let-7d levels with the **A**, **D**, & **G)** quinine consumption from the 15, 30, and 60 µM solutions respectively; **B**, **E**, & **H)** quinine preference from the 15, 30, and 60 µM solutions respectively; and **C**, **F**, & **I**) total fluid intake from the 15, 30, and 60 µM solutions respectively.




**Suppl Fig. 3. Pearson correlations.** The data represent simple scatter regression between D3 R mRNA expression levels with the **A**, **D**, & **G)** saccharin consumption from the 0.02, 0.04, and 0.08% solutions respectively; **B**, **E**, & **H)** saccharin preference from the 0.02, 0.04, and 0.08% solutions respectively; and **C**, **F**, & **I**) total fluid intake from the 0.02, 0.04, and 0.08% solutions respectively.




**Suppl Fig. 4. Pearson correlations.** The data represent simple scatter regression between D3 R mRNA expression levels with the **A**, **D**, & **G)** quinine consumption from the 15, 30, and 60 µM solutions respectively; **B**, **E**, & **H)** quinine preference from the 15, 30, and 60 µM solutions respectively; and **C**, **F**, & **I**) total fluid intake from the 15, 30, and 60 µM solutions respectively.

## Cq Values for RT-PCR

| Let7d | U6 SnRNA | D3R | Cyclophilin |
|---|---|---|---|
| 21.78282020 | 20.77231529 | 20.9286619159 | 20.9610488982 |
| 22.56849942 | 20.10118797 | 20.2769101343 | 20.9129815112 |
| 21.65348786 | 20.43120506 | 20.8500633411 | 20.9910745496 |
| 21.25761590 | 20.10927471 | 20.5840439427 | 20.7205136120 |
| 21.13289943 | 20.81244889 | 20.1273761085 | 20.9143048441 |
| 20.13705392 | 20.38298806 | 20.6626425175 | 20.0728088038 |
| 21.91651121 | 20.73914973 | 20.7787252570 | 20.8364973488 |
| 20.03760936 | 20.06163426 | 20.2357957243 | 20.5672913996 |
| 20.84796854 | 20.90878808 | 20.2019418049 | 20.4127917992 |
| 20.71120506 | 20.95807584 | 20.6215281074 | 20.1492276045 |
| 19.09432809 | 20.27066501 | 24.1233432301 | 20.6084166025 |
| 20.60336910 | 20.43311066 | 20.5392992874 | 20.7501907385 |
| 18.96652041 | 20.08402399 | 22.8036302453 | 20.4790002119 |
| 19.74000649 | 20.54813258 | 22.6626425175 | 20.7306883394 |
| 17.97461730 | 20.66701947 | 22.3591389544 | 20.5359857476 |
| 19.82020076 | 20.72073201 | 23.8680245443 | 20.7679979433 |
| 19.02939438 | 20.13239708 | 22.1770915794 | 20.6315254671 |
| 18.70163940 | 20.39205056 | 22.6252850350 | 20.7234065712 |
| 20.23316128 | 20.04656797 | 20.4822288201 | 20.4835784728 |
| 19.16960898 | 20.43805056 | 23.8250950117 | 20.4130828820 |
| 19.56241011 | 20.81616617 | 22.1233432301 | 20.3978040130 |
| 19.03018368 | 20.53830959 | 22.5376108469 | 20.4331141287 |
| 19.57241011 | 20.55152696 | 20.9661460806 | 20.3044080653 |
| 20.74350168 | 20.59861806 | 22.6699030081 | 20.9555720502 |
| 21.99928089 | 20.34297808 | 20.6215281074 | 20.8180245443 |
| 22.80658358 | 20.76862227 | 20.3929928738 | 20.2715914485 |
| 21.37909112 | 20.26859943 | 20.4304770385 | 20.4964964369 |
| 21.13202024 | 20.77531236 | 20.0858590654 | 20.2788519392 |
| 21.20859042 | 20.51146020 | 20.0447446553 | 20.2394259696 |
| 20.04257416 | 20.87830451 | 20.1608273948 | 20.3512872526 |
| 20.60023988 | 20.70188651 | 20.2357957243 | 20.0394259696 |
| 20.44286050 | 20.61753314 | 20.6590122722 | 20.4590122722 |
| 20.60344770 | 20.67243031 | 20.3107640537 | 20.0394259696 |
| 20.44204998 | 20.28027135 | 20.1608273948 | 20.3090756133 |
| 19.30643806 | 20.62679898 | 20.9697763259 | 20.9902533644 |
| 20.68143256 | 20.65010730 | 20.0145209812 | 20.2752216939 |
| 19.20528089 | 20.40892752 | 23.1501900233 | 20.3787885981 |
| 19.67125975 | 20.95643539 | 22.7661460806 | 20.5287252570 |
| 19.79015837 | 20.11450455 | 23.6984382418 | 20.6145843223 |
| 19.61584268 | 20.30698427 | 22.0592022955 | 20.9592022955 |
| 19.75046067 | 20.12928089 | 22.9223832865 | 20.9342960821 |

| | | | |
|---|---|---|---|
| 19.40256787 | 20.95725561 | 23.3055720502 | 20.1429928738 |
| 19.42836825 | 20.48620448 | 20.1322921612 | 20.0045429295 |
| 19.68361517 | 20.81202528 | 23.3841706249 | 20.0341706249 |
| 19.68636009 | 20.78743918 | 23.6500633411 | 20.1804770385 |
| 19.29081860 | 20.11224468 | 23.5697763259 | 20.2252216939 |
| 20.08168482 | 20.13755842 | 23.5037569275 | 20.6859224065 |
| 20.39623369 | 20.46139438 | 22.7020684871 | 20.6456473407 |
| 20.24200111 | 20.32886459 | 20.5501900233 | 20.7250316706 |
| 22.98587677 | 20.89477957 | 20.6699030081 | 20.1143942990 |
| 20.40436166 | 20.39380449 | 20.2805403796 | 20.5001266822 |
| 21.20646870 | 20.10858706 | 20.6699030081 | 20.9197129848 |
| 20.91059807 | 20.64598561 | 20.7823555023 | 20.7661460806 |
| 20.63962807 | 20.73601548 | 20.8234699123 | 20.1265447447 |
| 20.92675111 | 20.74777303 | 20.0145209812 | 20.4590122722 |
| 20.14209493 | 20.06916740 | 20.8948079964 | 20.5339806016 |
| 20.40206516 | 20.87467527 | 20.5127058586 | 20.3573398060 |
| 20.40115503 | 20.56834718 | 20.7823555023 | 20.6500633411 |
| 19.50449371 | 20.77481277 | 20.0931195560 | 20.7250316706 |
| 20.90680166 | 20.30720796 | 20.5538202686 | 20.4553820269 |
| 19.34379830 | 20.05684200 | 22.8038202686 | 20.2738811144 |
| 19.59367233 | 20.26036568 | 22.0787885981 | 20.1768467932 |
| 20.14342564 | 20.39267516 | 23.0485649240 | 20.2663361039 |
| 19.45207076 | 20.36971628 | 22.5053820269 | 20.4053820269 |
| 19.13205505 | 20.52749549 | 22.3945970233 | 20.5514389475 |
| 18.88378951 | 20.17930617 | 24.1466231191 | 20.5734699123 |
| 19.85252803 | 20.15410111 | 20.8645209812 | 20.7572604906 |
| 18.87322415 | 20.96340758 | 23.7178978621 | 20.3678978621 |
| 19.36077021 | 20.52441121 | 23.4234065712 | 20.2929295327 |
| 19.32869787 | 20.33672632 | 23.9573871728 | 20.7911144100 |
| 20.21209493 | 20.06508538 | 22.1199030081 | 20.6375475058 |
| 20.59203537 | 20.53577303 | 22.0001900233 | 20.8806037207 |