Microarray at 190925; 18 samples total

Nine rats, rat 52 through 60, were studied including 3 vehicle, with GWI/CUS and behavioral test and vehicle treatment (#52, 53, 54); 3 control, without GWI/CUS but with behavioral test no treatment (#55, 56, 57); and 3 naïve without GWI/CUD without behavioral test no treatment (#58, 59, 60). Total RNA was isolated by Trizol reagent (ThermoFisher Scientific # 15596026) from frontal cortex (FC) and lateral amygdala (LA) of the nine rats on 190923. Five ug of total RNA was further purified with RNase-Free DNase treatment (Qiagen #79254) and RNeasy MinElute Cleanup Kit (Qiagen# 74204) following the manufacturer’s protocol on 190924. The resulting purified RNA samples were examined by quality control (QC) check test on 190925. Five samples (11, 12, 13, 14, and 15) did not pass through the QC. I re-prepare and re-submit the five samples (labeled 11-2, 12-2, 13-2, 14-2, and 15-2, respectively) on 190926. All the five samples passed QC this time. All eighteen samples will be analyzed by Affymetrix rat Clariom S microarray. I received the results data on 191011.

Sample label

1. frontal cortex from rat 52
2. frontal cortex from rat 53
3. frontal cortex from rat 54
4. frontal cortex from rat 55
5. frontal cortex from rat 56
6. frontal cortex from rat 57
7. frontal cortex from rat 58
8. frontal cortex from rat 59
9. frontal cortex from rat 60
10. lateral amygdala from rat 52
11. lateral amygdala from rat 53 🡪 replaced with 11-2
12. lateral amygdala from rat 54 🡪 replaced with 12-2
13. lateral amygdala from rat 55 🡪 replaced with 13-2
14. lateral amygdala from rat 56 🡪 replaced with 14-2
15. lateral amygdala from rat 57 🡪 replaced with 15-2
16. lateral amygdala from rat 58
17. lateral amygdala from rat 59
18. lateral amygdala from rat 60