**Supplementary Table 1.** The scores of EE.PIP-NEO and Affective Neuroscience Personality Scale (ANPS) traits by *NPY* rs16147 and *NPY* rs5574 genotypes (mean ± SD).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| EE.PIP-NEO  | *NPY* rs16147C/C (n=212-217) | *NPY* rs16147C/T (n=414-423) | *NPY* rs16147T/T (n=199-204) | *NPY* rs5574C/C (n=242-248) | *NPY* rs5574C/T (n=409-414)  | *NPY* rs5574T/T (n=176-180) |
| Neuroticism (N) | 75.0±27.8  | 73.8±25.5  | 73.6±27.2 | 73.4±26.8  | 73.6±25.8 | 75.9±27.8  |
| Extraversion (E) | 114.9±22.9  | 114.9±22.8 | 114.2±22.8  | 114.1±22.7  | 115.5±22.9  | 113.8±22.8  |
| Openness (O) | 123.2±18.9 | 122.3±19.3  | 123.2±19.1  | 124.2±19.6 | 122.1±19.1  | 122.4±18.5  |
| Agreeableness (A) | 122.8±17.7 | 125.1±18.4  | 123.2±20.3  | 124.2±20.3  | 124.5±18.1  | 122.9±17.9  |
| Conscientiousness (C) | 127.3±21.1  | 127.1±20.5  | 124.8±23.1  | 125.1±22.8  | 127.6±20.7  | 126.2±20.6  |
| ANPS  | *NPY* rs16147C/C (n=243) | *NPY* rs16147C/T (n=475) | *NPY* rs16147T/T (n=220) | *NPY* rs5574C/C (n=266) | *NPY* rs5574C/T (n=471 | *NPY* rs5574T/T (n=201) |
| SEEKING | 23.1±3.4 | 23.0±3.5  | 23.0±3.9  | 23.0±3.8  | 23.0±3.4  | 23.1±3.6  |
| CARE | 22.2±4.0  | 21.6±3.7  | 21.7±4.2  | 21.7±4.1  | 21.7±3.7  | 22.0±4.1  |
| PLAY | 22.5±3.8  | 22.2±4.2 | 22.7±4.0 | 22.5±4.0  | 22.3±4.1  | 22.4±3.9  |
| ANGER | 17.0±4.6  | 16.5±4.6  | 16.6±4.7  | 16.4±4.8  | 16.6±4.5  | 17.1±4.6  |
| FEAR | 16.7±3.4  | 16.6±3.4  | 16.3±3.1  | 16.5±3.2  | 16.6±3.3  | 16.6±3.4 |
| SADNESS | 14.6±4.5  | 14.5±4.7 | 14.0±4.8  | 14.1±4.9  | 14.5±4.7  | 14.6±4.4  |

**Supplementary Table 2.** The scores of EE.PIP-NEO and Affective Neuroscience Personality Scale (ANPS) traits by 5-HTTLPRgenotype (mean ± SD).

|  |  |  |  |
| --- | --- | --- | --- |
| EE.PIP-NEO  | 5-HTTLPR L/L (n=357-360) | 5-HTTLPR L/S(n=355-358) | 5-HTTLPR S/S(n=117-121) |
| Neuroticism (N) | 74.2±26.2  | 75.1±26.4  | 70.5±27.5 |
| Extraversion (E) | 114.1±24.0  | 115.2±21.8 | 114.9±22.0  |
| Openness (O) | 122.7±20.0 | 122.9±18.1  | 122.6±19.4  |
| Agreeableness (A) | 124.0±18.0 | 123.5±19.6  | 126.0±18.1  |
| Conscientiousness (C) | 125.6±20.6  | 126.4±22.6  | 130.1±20.2  |
| ANPS  | 5-HTTLPR L/L (n=398) | 5-HTTLPR L/S(n=408) | 5-HTTLPR S/S(n=132) |
| SEEKING | 23.1±3.5 | 22.9±3.6  | 23.3±3.6  |
| CARE | 21.8±4.1  | 21.7±3.9  | 22.1±3.3  |
| PLAY | 22.4±4.0  | 22.4±4.1 | 22.3±3.8 |
| ANGER | 16.6±4.6  | 16.9±4.5  | 16.0±4.7  |
| FEAR | 16.5±3.3  | 16.7±3.3 | 16.3±3.1  |
| SADNESS | 14.2±4.7  | 14.7±4.6 | 14.2±4.6 |