**SUPPLEMENTARY MATERIAL**

**Intellectual Abilities in Tuberous Sclerosis Complex: Risk Factors & Correlates from the Tuberous Sclerosis 2000 Study**

TSC1 (n=19) TSC2 (n=77)

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NMI (n=7) NOT TESTED (n=22)

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*Figure S1:* Distribution of IQ by genetic subtype

Abbreviations: NMI= no mutation identified.

*Table S1:* Correlations between phenotypic features in TSC1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age  Seizure  Onset | Seizure  Severity  Year 1 | Seizure  Severity  Year 2 | Seizure  Severity  Current | Tuber  Count | Mullen  Standard  Score | Vineland  Composite  Score |
| Seizure Severity Year 1 | **-.82\*\*\***  (n=16) |  |  |  |  |  |  |
| Seizure Severity Year 2 | **-.73\***  (n=16) | **.50\***  (n=19) |  |  |  |  |  |
| Seizure Severity Current | -.09  (n=16) | .15  (n=19) | .33  (n=19) |  |  |  |  |
| Tuber  Count | -.12  (n=11) | .04  (n=13) | .21  (n=13) | .37  (n=13) |  |  |  |
| Mullen  Standard  Score | .47  (n=8) | -.25  (n=9) | **-.61†**  (n=9) | **-.80\***  (n=9) | -.54  (n=5) |  |  |
| Vineland  Composite  Score | .32  (n=13) | -.31  (n=16) | -.26  (n=16) | -.33  (n=16) | -.31  (n=11) | .**84\*\***  (n=8) |  |
| Estimated  IQ | .40  (n=14) | -.28  (n=17) | **-.51\***  (n=17) | **-.48†**  (n=17) | -.18  (n=11) | **1.00\*\*\***  (n=9) | **.89\*\*\***  (n=16) |

*Key:*†=p<.10 \*=p<.05 \*\*=p<.01 \*\*\*=p<.001

*Table S2:* Correlations between phenotypic features in TSC2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age  Seizure  Onset | Seizure  Severity  Year 1 | Seizure  Severity  Year 2 | Seizure  Severity  Current | Tuber  Count | Mullen  Standard  Score | Vineland  Composite  Score |
| Seizure Severity Year 1 | **-.84\*\*\***  (n=71) |  |  |  |  |  |  |
| Seizure Severity Year 2 | **-.61\*\*\***  (n=68) | **.64\*\*\***  (n=73) |  |  |  |  |  |
| Seizure Severity Current | **-.36\***  (n=64) | **.52\*\*\***  (n=69) | **.60\*\*\***  (n=69) |  |  |  |  |
| Tuber  Count | **-.25†**  (n=53) | **.37\*\***  (n=55) | .23  (n=53) | .16  (n=49) |  |  |  |
| Mullen  Standard  Score | **.26†**  (n=52) | **-.41\*\***  (n=53) | **-.46\*\*\***  (n=51) | **-.51\*\*\***  (n=48) | -.26  (n=40) |  |  |
| Vineland  Composite  Score | **.29\***  (n=64) | **-.30\***  (n=68) | **-.52\*\*\***  (n=65) | **-.57\*\*\***  (n=61) | .19  (n=51) | **.66\*\*\***  (n=47) |  |
| Estimated  IQ | **.25\***  (n=70) | **-.31\*\***  (n=74) | **-.50\*\*\***  (n=71) | **-.53\*\*\***  (n=67) | -.08  (n=55) | **.74\*\*\***  (n=53) | **.79\*\*\***  (n=68) |

*Key:*†=p<.10 \*=p<.05 \*\*=p<.01 \*\*\*=p<.001