

Supplementary Table 4. Correlation (spearman) HAD, BAI and Methylation Per CpG island

[[1]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.1014      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | 0.0046      |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | -0.0565     |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.0604      |
| methylation     | 0.1014  | 0.0046   | -0.0565         | 0.0604       | 1.0000      |

[[2]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | -0.0921     |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | -0.0278     |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | -0.0336     |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | -0.0167     |
| methylation     | -0.0921 | -0.0278  | -0.0336         | -0.0167      | 1.0000      |

[[3]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.0907      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | -0.0691     |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | -0.0458     |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | -0.0249     |
| methylation     | 0.0907  | -0.0691  | -0.0458         | -0.0249      | 1.0000      |

[[4]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.1776      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | 0.2379      |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | 0.1598      |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.2801      |
| methylation     | 0.1776  | 0.2379   | 0.1598          | 0.2801       | 1.0000      |

[[5]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | -0.0267     |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | 0.0232      |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | -0.0313     |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.0452      |
| methylation     | -0.0267 | 0.0232   | -0.0313         | 0.0452       | 1.0000      |

[[6]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.1882      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | 0.1031      |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | 0.1410      |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.0989      |
| methylation     | 0.1882  | 0.1031   | 0.1410          | 0.0989       | 1.0000      |

[[7]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.4083      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | 0.1168      |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | 0.1174      |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.1291      |
| methylation     | 0.4083  | 0.1168   | 0.1174          | 0.1291       | 1.0000      |

[[8]]

|                 | BAI_tot | HADS_tot | HADS_depression | HADS_anxiety | methylation |
|-----------------|---------|----------|-----------------|--------------|-------------|
| BAI_tot         | 1.0000  | 0.6714   | 0.5553          | 0.7507       | 0.1495      |
| HADS_tot        | 0.6714  | 1.0000   | 0.8966          | 0.8944       | -0.0676     |
| HADS_depression | 0.5553  | 0.8966   | 1.0000          | 0.6456       | -0.1380     |
| HADS_anxiety    | 0.7507  | 0.8944   | 0.6456          | 1.0000       | 0.0187      |
| methylation     | 0.1495  | -0.0676  | -0.1380         | 0.0187       | 1.0000      |