**Table e-4:** CSEA Brain Region and Development Analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Brain Regions and Development and P-Values | 0.05 | 0.01 | 0.001 | 0.0001 |
| Amygdala – Adolescence | 0.799 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Adolescence | 0.612 ( 0.896) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Adolescence | 0.490 ( 0.817) | 0.219 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Adolescence | 0.856 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Adolescence | 0.826 ( 0.979) | 0.607 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Adolescence | 0.435 ( 0.817) | 0.439 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Early Childhood | 0.479 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Early Childhood | 0.322 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Early Childhood | 0.644 ( 0.920) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Early Childhood | 0.823 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Early Childhood | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Early Childhood | 0.448 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Early Fetal | 0.239 ( 0.817) | 0.567 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Early Fetal | 0.083 ( 0.624) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Early Fetal | 0.095 ( 0.637) | 0.527 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Early Fetal | 0.321 ( 0.817) | 0.291 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Early Fetal | 0.055 ( 0.624) | 0.057 ( 0.767) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Early Fetal | 0.006 ( 0.138) | 0.175 ( 1.000) | 0.007 ( 0.415) | 1.000 ( 1.000) |
| Amygdala – Early Mid Fetal | 0.125 ( 0.652) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Early Mid Fetal | 0.610 ( 0.896) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Early Mid Fetal | 0.109 ( 0.652) | 0.402 ( 1.000) | 0.043 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Early Mid Fetal | 0.544 ( 0.858) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Early Mid Fetal | 0.130 ( 0.652) | 0.063 ( 0.767) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Early Mid Fetal | 0.072 ( 0.624) | 0.404 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Late Fetal | 0.004 ( 0.138) | 0.306 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Late Fetal | 0.383 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Late Fetal | 0.521 ( 0.845) | 0.236 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Late Fetal | 0.007 ( 0.138) | 0.267 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Late Fetal | 0.490 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Late Fetal | 0.440 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Late Infancy | 0.896 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Late Infancy | 0.434 ( 0.817) | 0.045 ( 0.767) | 0.175 ( 1.000) | 0.118 ( 1.000) |
| Cortex – Late Infancy | 0.720 ( 0.960) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Late Infancy | 0.922 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Late Infancy | 0.894 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Late Infancy | 0.203 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Late Mid Fetal | 0.360 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Late Mid Fetal | 0.079 ( 0.624) | 0.618 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Late Mid Fetal | 0.014 ( 0.214) | 0.037 ( 0.767) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Late Mid Fetal | 0.859 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Late Mid Fetal | 0.411 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Late Mid Fetal | 0.930 ( 0.979) | 0.654 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Middle Late Childhood | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Middle Late Childhood | 0.418 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Middle Late Childhood | 0.736 ( 0.960) | 0.196 ( 1.000) | 0.064 ( 1.000) | 0.025 ( 1.000) |
| Hippocampus – Middle Late Childhood | 0.359 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Middle Late Childhood | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Middle Late Childhood | 0.250 ( 0.817) | 0.455 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Neonatal Early Infancy | 0.673 ( 0.939) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Neonatal Early Infancy | 0.210 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Neonatal Early Infancy | 0.427 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Neonatal Early Infancy | 0.709 ( 0.960) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Neonatal Early Infancy | 0.573 ( 0.881) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Neonatal Early Infancy | 0.922 ( 0.979) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Amygdala – Young Adulthood | 0.372 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cerebellum – Young Adulthood | 0.376 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Cortex – Young Adulthood | 0.158 ( 0.729) | 0.064 ( 0.767) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Hippocampus – Young Adulthood | 0.419 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Striatum – Young Adulthood | 0.771 ( 0.979) | 0.453 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |
| Thalamus – Young Adulthood | 0.454 ( 0.817) | 1.000 ( 1.000) | 1.000 ( 1.000) | 1.000 ( 1.000) |

**Table e-4 Legend.** Full results for CSEA analyses during fetal development to early adulthood are shown. P-values for each brain region and time period are shown at increasing enrichment pSI stringencies. The raw p-value is shown on the left hand side and the FDR-corrected p-value is shown in parentheses on the right hand side. Please see Xu et al 2014 and Dougherty et al 2010 for additional details. pSI – specificity index probability.