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ANALYSIS OF INDUCED GAMMA OSCILLATIONS WITH A DATA ALIGNMENT TECHNIQUE IN AUTISM AND ATTENTION DEFICIT HYPERACTIVE DISORDER

By:

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B.S. Bioengineering, University of Louisville, May 14th 2011

A Thesis
Submitted to the Faculty of the
University of Louisville
J.B. Speed School of Engineering
As Partial Fulfillment of the Requirements
For the Professional Degree

MASTER OF ENGINEERING

Department of Bioengineering

April 2012

INDUCED EEG GAMMA OSCILLATION ALIGNMENT IMPROVES DIFFERENTIATION BETWEEN AUTISM AND ADHD RESPONSES IN FACIAL CATEGORIZATION TASK

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ACKNOWLEDGMENTS

The work presented in this thesis paper is the culmination of the efforts of many people who were crucial to the success of this project. My thesis director, Dr. Ayman El-Baz, has been my advisor and advocate for several years now. His influence extends beyond my education, and I attribute many of the successes of my college career to his guidance and support. Similarly, Dr. Estate Sokhadze has been truly instrumental to my successes with this project. He has spent many hours instructing and assisting me, devoting both his time and resources on my behalf.

Both Dr.'s El-Baz and Sokhadze are part of an outstanding faculty that has supported me throughout this process. Their enthusiasm to their field is unparalleled within the university, and their passion is infectious. Though still a nascent part of the Speed School of Engineering, the Bioengineering department has demonstrated that it is destined to become an important contributor both on a local level, and within the international biomedical research community. I am very fortunate to have been a part of this department during its development, and hope that it continues to grow and shape minds, as it helped to shape me.

Lastly, no great endeavor is completed easily or without obstacles. For the many times I met resistance on this path, my friends and family were there to help me see it through. I would like to thank my mom, Leslie Lewis, my dad, Robert Gross, and my friends Andrea Breaux, Patrick Greenwell, Justin Bottoms, Quentin Johnson, and Claire Bennet for their never ending support, and their ability to convince me that I was not, in fact, going to fail all of my classes. The longest and most difficult of journeys are made better with good company, and I was lucky to have had no short supply of it.

ABSTRACT

Introduction: Children diagnosed with an Autism Spectrum Disorder (ASD) often lack the ability to recognize and properly respond to emotional stimuli. These emotional deficits are also observed in children with Attention-Deficit Hyperactivity Disorder (ADHD), but are often overshadowed by the focus on limited attention span. A growing body of research suggests that there may be links between ASD and ADHD, which requires further study. Investigation of this hypothesis often relies on the Theory of Mind (ToM) construct to frame experiments that explore the relationship between these two Many experiments utilize electroencephalographic (EEG) data to conditions. quantitatively assess brain activity. The emotional deficits in ASD and ADHD may cause a difference within the induced EEG gamma wave burst phenomenon (35-45 Hz) produced approximately 300-400 milliseconds following an emotional stimulus. Because induced gamma oscillations are not fixed at a definite point in time post-stimulus, analysis of averaged EEG data with traditional methods may result in an attenuated gamma burst power. Two hypotheses were proposed in this study. First, a software based data alignment technique could be employed to reduce the attenuation observed in the analysis of these phenomena. Second, improvement of the attenuation would better elucidate similarities and differences to stimuli in an experimental study comparing ASD, ADHD, and control subjects.

Methods: A study was designed to test the response of a subject to emotional stimuli, presented in the form of expressive facial images. In a four part experiment, the subjects were instructed to identify gender in the first two blocks of the test, followed by

differentiating between basic emotions in the final two blocks (i.e. anger vs. disgust). EEG data was collected from ASD (n=10), ADHD (n=9), and control (n=11) subjects via a 128 channel EGI system, and processed through a continuous wavelet transform and bandpass filter to isolate the gamma frequencies. Data alignment was then employed by using a custom MATLAB code to align the individual trials between 200-600 ms post-stimulus for each subject, EEG site, and condition by maximizing the Pearson product-moment correlation coefficient between trials within these groups. The gamma power for the 400 ms window of maximum induced gamma burst was then calculated and compared between subject groups.

Results: Significant main effects for the alignment condition were present across all subject groups, experiment conditions, and EEG channels. Significant main effects also existed for the experimental condition and subject groups. Condition (anger/disgust recognition, gender recognition) x Alignment x Group (ADHD, ASD, Controls) interaction was significant across the parietal topographies. These interactions were better manifested in the aligned data set.

Conclusions: Both hypotheses were supported by the obtained results. The employed data alignment technique significantly reduced the amount of attenuation observed in the averaged signals. Additionally, further analysis showed that significant interactions were more easily observed in the aligned dataset, which suggests that this technique may be beneficial for furthering the comparison of the emotional deficits in ASD and ADHD.

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I. INTRODUCTION

Autism spectrum disorders (ASD) cover a broad range of early onset neurodevelopmental impairments that may be categorized into one of three groups: social interactions, communication, and repetitive behaviors (American Psychiatric Association, 2000). Severity of the symptoms associated with ASD may vary widely from patient to patient, leading most clinicians and researchers to view the disorder as a spectrum of impairments, which also include Aspberger's and Pervasive Developmental Disorder-Not Otherwise Specified (PDD-NOS) (Chlebowski, Green, Barton, & Fein, 2010; Newschaffer et al., 2007). Although ASD was once thought to be a relatively rare condition with a prevalence of 2 to 5 children per 10,000, more recent studies have suggested that the rate may actually be an order of magnitude greater (Yeargin-Allsopp et al., 2003). It is not completely understood whether the rate of prevalence has increased over the past several decades or if identification of individuals with ASD has simply improved. The average lifetime public expenditure on each individual with ASD is estimated to be as high as \$4.7 million (Newschaffer et al., 2007).

Attention deficit/hyperactivity disorder (ADHD) is another early onset condition characterized by inattentiveness and hyperactivity (American Psychiatric Association, 2000). Classic symptoms of ADHD may include being easily distracted, having difficulty

remaining still, frequent boredom, and having difficulty following directions. A conglomeration of studies using the most recent guidelines for ADHD reported diagnosis rates in school-aged children ranging from 11 to 18 percent in the United States (Faraone, Sergeant, Gillberg, & Biederman, 2003). The disorder may continue to affect up to 70 percent of individuals with juvenile ADHD into adulthood (Knutson & O'Malley, 2010). Studies have reported higher costs for families with children who have ADHD, including higher direct medical costs and increased hospital visits (Hakkaart-van Roijen et al., 2007).

Both ASD and ADHD are associated with emotional impairments. In ASD, emotional deficiencies are a definitive symptom of the disorder. These difficulties socializing with other individuals often stem from an inability to quickly and accurately read emotional cues and reciprocate with an appropriate response (Begeer, Koot, Rieffe, Meerum Terwogt, & Stegge, 2008; Kuusikko et al., 2009; Ryan & Charragáin, 2010). Although the focus of ADHD research is often on the more conspicuous inattentiveness and hyperactivity observed, a growing interest in the emotional deficits of children with ADHD has spurred new studies to explore this question (Da Fonseca, Seguier, Santos, Poinso, & Deruelle, 2009). Although this deficiency may be tied back to the original problem of inattentiveness (i.e. an inability to focus on reading emotional cues), a recent study has suggested that the emotional deficiency may be a separate issue in it of itself (Yuill & Lyon, 2007). Emotional deficiencies are typically evaluated with experimental visual tasks designed to test the subject's facial recognition skills, but other studies have utilized auditory stimuli to explore this phenomena (Baker, Montgomery, & Abramson, 2010).

While most studies have typically separated ASD and ADHD as unrelated phenomena, more recent reviews have justified the comparison of these disorders in a combined experimental model (Rommelse, Geurts, Franke, Buitelaar, & Hartman, 2011). Genetic investigations have suggested that a common initiator may be responsible for ASD and ADHD, and could explain symptoms that indicate a co-morbidity of the two disorders (Mulligan et al., 2009; Ronald, Simonoff, Kuntsi, Asherson, & Plomin, 2008). Several hypotheses have been proposed to explain the similarities observed in ADHD and ASD subjects, including a model that places the two disorders on a larger spectrum of social disorders. Further investigation is necessary to support the proposed models. While genetic evidence may be an important component of this research, evaluating the performance of subjects with these disorders in clinically relevant tasks (i.e. facial/emotional recognition) may potentially reveal mechanistic differences between similar behaviors in ASD and ADHD, which may challenge or corroborate with other findings.

These experiments often rely on interpreting the results within the Theory of Mind (ToM), which is the method by which an individual assumes another's perspective by characterizing their mental state, or comparing it to their own (Baron-Cohen, 2000). In typically developing (TD) children, the theory of mind begins to develop in infancy, with notable milestones occurring as early as fifteen months on up through six years of age that include the assessment of another's beliefs, and comprehension of beliefs that may be false (Moore & Pure, 1990; Onishi & Baillargeon, 2005; Träuble, Marinovi, & Pauen, 2010). The ToM construct is frequently applied in the study of ASD (Colle, Baron-Cohen, & Hill, 2007; Lerner, Hutchins, & Prelock, 2011; Lind & Bowler, 2010) and may

explain why autistic children struggle with understanding facial expressions, body language, figurative speech, and other social cues that convey emotional information. Applications of this theory have been used to assess both the nature and level of emotional deficiencies in adults with ASD (Baron-Cohen, Wheelwright, Jolliffe, & Therese, 1997).

Many studies investigating other conditions have used the ToM to explain their findings, including schizophrenia (Bora, Yücel, & Pantelis, 2009), bipolar disorder (Wolf, Brüne, & Assion, 2010), chronic depression (Zobel et al., 2010), and ADHD (Perner, Kain, & Barchfeld, 2002). Comparing conditions within the context of ToM may contribute to a better understanding of both disorders. ToM impairment has been compared between ASD and ADHD children in several studies. Tasks requiring children to identify the emotions displayed by a person's face have yielded statistically insignificant differences between ADHD and ASD groups (Bühler, Bachmann, Goyert, Heinzel-Gutenbrunner, & Kamp-Becker, 2011; Buitelaar, Van Der Wees, Swaab-Barneveld, & Van Der Gaag, 1999). Another study attempted to use mental cartoons (drawings where a character humorously depicting a character's ignorance or false-belief) to find differences between ASD and ADHD adults, and was unable to find significant differences between the two groups (Nydén et al., 2010). In some cases, it is unclear whether the employed tests are too insensitive to detect differences between disorder groups, or whether they truly share a similar level of deficiency.

While it may be sufficient for some studies to use easily observable metrics (i.e. accuracy of responses to posed questions, reaction times, etc.) to understand ToM relationships in neurodevelopmental dysfunction, analysis of the electroencephalographic

(EEG) data from subjects with neurodevelopmental disorders provides a top-down approach that helps to correlate physiological and behavioral responses. Studies involving subjects with ADHD (Koehler et al., 2009; Kovatchev et al., 2001) and ASD (Bosl, Tierney, Tager-Flusberg, & Nelson, 2011; Daoust, Lusignan, Braun, Mottron, & Godbout, 2008; Oberman et al., 2005) have attempted to identify and explain abnormalities in the EEG waveforms, and relate these anomalies to observable phenomena within the study, or typical characteristics of the subjects themselves. Information gathered from these studies may then be used to form or support theories on the development of these disorders, or may be used to characterize the EEG waveforms that can be expected to be observed in a particular subject.

Several studies have compared the EEG waveforms between ADHD and ASD subjects who were either asked to remain still, or perform a particular task. In a study using a feedback based learning task, comparison of event-related potentials (ERPs) collected during the task provided statistically significant differences between ADHD, ASD, and TD children (Groen et al., 2008). Similarly, background abnormalities and frequency of localized paroxysmal discharges were found to be a potentially useful metric in differentiating PDD (and other forms of ASD) from ADHD (Kawatani et al., 2012). A study comparing the absolute and relative powers of EEG frequency bands between ADHD children with and without additional symptoms characteristic of ASD found significant differences in the power levels of these two groups. This would suggest that a comorbidity between ASD and ADHD may exist in some children, which opposes the current standard of diagnosing these disorders (Clarke, Barry, Irving, McCarthy, & Selikowitz, 2011). These findings justify the continued research of comparative EEG

waveforms in subjects with ASD, ADHD, and symptoms characteristic of both conditions.

EEG oscillations are separated into several frequency bands, ranging from the slower delta waves (0-4 Hz) to the faster gamma waves (30-80 Hz). The gamma frequencies, particularly those centered about 40 Hz, have been tied to visual, attentional, cognitive, and memory processes (Başar, Schürmann, Başar-Eroglu, & Demiralp, 2001; Müller, Gruber, & Keil, 2000). Following a stimulus, two gamma oscillations are typically noted: an early evoked oscillation and a late induced oscillation (Başar-Eroglu, Strüber, Schürmann, Stadler, & Başar, 1996; Başar, et al., 2001). The evoked gamma oscillations typically occur within the first 200 ms after the onset of a stimulus, and are locked in time from trial to trial. Because little variation is seen in the latency of the evoked gamma with changing stimulus type, it is believed that it may be a result of sensory processes. Conversely, induced gamma oscillations occur later, after 240 ms post-stimulus, and vary in latency from trial to trial (Tallon-Baudry & Bertrand, 1999). These variations may suggest that the induced gamma oscillations are related to higher cognitive processes (Tallon-Baudry, 2003). Deviations from typical gamma band activity have been reported in several studies on neurological disorders, including epilepsy, Alzheimer's disease, ADHD, and ASD (Herrmann & Demiralp, 2005).

Studies have been conducted that observe the gamma EEG frequencies in subjects with either ASD or ADHD. A study examining gamma waveforms that occur while viewing illusory Kanizsa images suggested that the overall gamma activity increased in autistic children (Brown, Gruber, Boucher, Rippon, & Brock, 2005). Another study observed general increases in high frequency EEG activity (including gamma

frequencies) in boys with autism, and further suggested that this increased activity may be proportional to the level of deficiency in each child (Orekhova et al., 2007). In a study with ADHD and TD children, no differentiation in the gamma activity was noted between new and familiar images by children with ADHD. Conversely, TD children displayed different gamma responses depending on the familiarity of the image. This suggests that visual memory impairment in ADHD may be associated with this gamma activity (Lenz et al., 2010). A Web of Knowledge search at the time of writing produced no known studies that have compared gamma activity between ADHD and ASD subjects. Given that EEG studies comparing ASD and ADHD while looking at other phenomena have produced interesting results, and that ASD and ADHD subjects have individually shown statistically different gamma activity compared to TD subjects, it is justifiable to conduct a gamma study comparing ASD and ADHD.

Since evoked gamma waveforms are synchronized in time post-stimulus, averaging analogous trials typically reveals the evoked response in the averaged waveform. However, induced gamma waveforms vary in time, and thus, appear to be severely attenuated in the averaged response. This makes the analysis of the induced gamma activity more complex than evoked gamma activity. Studies looking at gamma waveforms have either focused on evoked gamma (Lenz et al., 2008), or found and characterized induced gamma activity on a trial by trial basis (Brown, et al., 2005).

A potential solution to the variance observed in the induced gamma waveforms would be to 'align' the signals prior to analysis. Data alignment is a procedure that correlates analogous features between two signals or images, and standardizes them so they may be more accurately compared to one another (Figure 1). This technique is

commonly performed in medical imaging studies, where collected images may differ slightly from one another or an amassed source of training data (i.e. level of contrast, angle from which the images were taken, relative position of the object of interest, etc.) (Casanova et al., 2011; El-Baz et al., 2011). A similarity measure (i.e. correlation, mutual information, etc.) is typically used to optimize the alignment process, which reaches an absolute maxima when two images are oriented in the most similar fashion. Alignment corrects these observed incongruences without changing the nature of the phenomena of interest.

A similar methodology can be applied to one-dimensional signals as well, such as EEG waveforms. Data alignment has also been used in EEG studies to align visual evoked potentials with varying latencies via the discrete Fourier transform (Sahin & Yilmazer, 2010). A similar technique may be used to align the induced gamma 'burst' that occurs after the evoked gamma activity, creating an 'aligned averaged' response that better represents the true induced gamma activity.

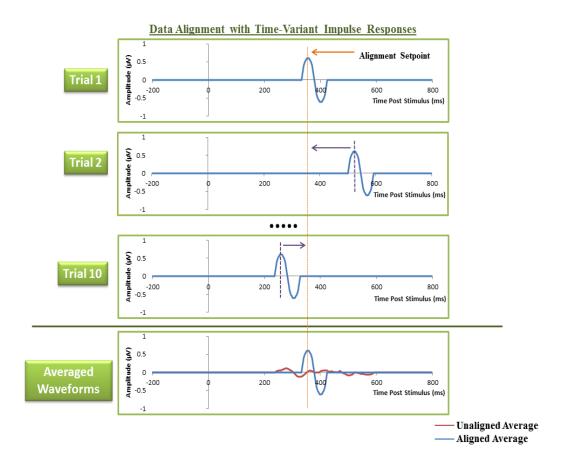


Figure 1: An example of how data alignment can be used to improve analysis with simplified impulse signals that vary in time. The first trial within a set is used as an alignment setpoint for subsequent trials, which are shifted in time to line up with the setpoint. Averaging the aligned form of the signals produces a representative signal that resembles the constituent trials, whereas the unaligned averaged signal is significantly attenuated and visually distinct.

This study proposes a novel method of analyzing the induced gamma activity of an averaged EEG response by using a method of data alignment, which may allow for a more accurate representation of the averaged induced gamma activity of a subject. EEG recordings were collected from ASD, ADHD, and TD/control children while performing a categorization task of faces depicting various emotions. These tasks have been frequently performed in the literature to record ToM and attention-based measures in TDsubjects, and identify potential deficits in subjects control or

neurodevelopmental disorders (Baron-Cohen, et al., 1997; Ribeiro & Fearon, 2010; Schulte-Rüther, Markowitsch, Fink, & Piefke, 2007).

The gamma power of the responses was estimated by using a wavelet technique in MATLAB described in previous studies to isolate the gamma frequencies (Horrell et al., 2010). Alignment was performed offline for each subject by selecting one waveform out of a set of analogous trials, and designating it as the setpoint for the subsequent trials. The Pearson-Product Moment correlation coefficient was used a similarity measure between the setpoint and subsequent trials, and was used to create an 'averaged aligned' waveform for each set. Gamma power was then calculated from both the aligned and unaligned waveforms.

Our hypothesis was twofold. First, we anticipated that alignment would have a dramatic effect on reducing the attenuation observed in the averaged signal. By maximizing the Pearson-Product Moment correlation coefficient, we attempted to reduce the amount of destructive interference caused by the varying latencies during the averaging process, which was expected to reduce the attenuation, and increase the absolute induced gamma power. Second, we expected that the data alignment technique would allow us to better elucidate the induced gamma activity differences between ADHD, ASD, and control subjects. While it is possible that these differences may manifest themselves in the unaligned averaged waveforms, we anticipated that the alignment technique would emphasize these differences, and increase the statistical significance of the findings. This process may contribute to the analysis of induced gamma activity, ToM and emotional deficits in ASD and ADHD.

II. SUBJECT RECRUITMENT AND DEMOGRAPHICS

Participants with ASD were recruited through the University of Louisville Weisskopf Child Evaluation Center (WCEC). Subject age ranged from nine to twenty years old. Diagnosis was made according to the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV) (American Psychiatric Association, 2000) and was further confirmed with the Autism Diagnostic Interview – Revised (ADI-R) (Le Couteur, 2003). Each subject also had a medical evaluation performed by a developmental pediatrician. All subjects had normal hearing, which was confirmed by auditory tests conducted previously. Participants either possessed normal vision or wore corrective lenses. Subjects with a history of seizure disorder, significant hearing or visual impairment, any brain abnormality identified from imaging studies, or a diagnosed genetic disorder were excluded. All participants with autism were high-functioning persons with full scale IQ > 80 assessed using the Wechsler Intelligence Scale for Children, Fourth Edition (WISC-IV) (Wechsler, 2003) or the Wechsler Abbreviated Scale of Intelligence (WASI) (Wechsler, 2004).

The Structured Clinical Interview for DSM-IV (SCID-I/P) (First, 2002b) was used for diagnoses of ADHD. Nine subjects ranging from thirteen to twenty-one years old who currently meet DSM-IV-TR criteria for ADHD or attention-deficit disorder

(ADD) were included. Subjects were evaluated at the WCEC. Parents and teachers were asked to complete the Child Behavior Checklist or Teacher Report Form (Rescorla, 2001) to complete the diagnosis of ADHD. Parents were also interviewed using DSM-IV criteria for ADHD to further support the diagnosis. Only subjects with clinical features meeting criteria for ADHD in both the home and school setting, and also met DSM-IV criteria, were included. All ADHD participants had a medical history and a psychiatric evaluation. For children, both the parents and the child with ADHD provided information for the assessment.

Controls were recruited through advertisements in the local media. All control participants were free of neurological or significant medical disorders, had normal hearing and vision, and were free of psychiatric, learning, or developmental disorders based on self and parent reports. Subjects were screened for history of psychiatric or neurological diagnosis using the Structured Clinical Interview for DSM-IV Non-Patient Edition (SCID-NP) (First, 2002a). Participants within the control, ADHD, and autism groups were attempted to be matched by age, full scale IQ, and socioeconomic status of their family. Socioeconomic status of ASD, ADHD, and control groups was compared based on parent education and annual household income. Participants in each of the three groups had similar parent education levels.

Participating subjects and their parents or legal guardians were provided with full information about the study including the purpose, requirements, responsibilities, reimbursement, risks, benefits, alternatives, and role of the local Institutional Review Board (IRB). The consent and assent forms approved by the IRB were reviewed and explained to all subjects who expressed interest in participating in the study. All

questions posed by the subjects, parents, and legal guardians were answered before a consent signature was requested. If the individual agreed to participate, she/he signed and dated the consent form and received a copy cosigned by the investigator who obtained consent.

The mean age of 10 participants enrolled in the ASD group was 14.1 ± (standard deviation) 2.7 years (range 10-18 years, 8 males, 2 females), and the mean age of the ADHD group was 14.2 ± 3.9 years (N=9, range 10-19 years, 7 males, 2 females). The mean age of the Control (CNT) group (N= 11) was 14.8 ± 4.5 years (9-21 years, 8 males, 3 females). The age difference between groups was not significant. Six subjects from the ADHD group and six subjects from the ASD group were on medication. The children with **ADHD** taking prescribed stimulants (Methylphenidate were or Dextroamphetamine). Two children with ASD were also taking prescribed stimulants (Concerta, Adderall), and four were taking antidepressants (Fluoxetine, Sertraline) and mood stabilizers (Divalproex, Ariprazole). Two children in the ASD group had comorbid mild mood disorders and two had co-occurring anxiety disorders. One subject from the ADHD group had comorbid mild mood disorder, and one had anxiety disorder. These cooccurring conditions were assumed to be insignificant for the purposes of this study.

III. DATA COLLECTION

All EEG data used in this study was collected with a 128-channel Geodesics system (Net Station 200, v. 4.0) (Electrical Geodesics Inc. [EGI], OR), and was processed with a Macintosh G4 computer. EEG signals were sampled at 500 Hz during the categorization task and passed through an analog bandpass filter (0.1-200 Hz). A referential montage was used to standardize the EEG signals, with the reference point set as the vertex at position Cz. The Geodesic Sensor Net used was a lightweight, elastic structure housing silver/silver-chloride electrodes within a synthetic sponge on a pedestal. The sensor net was adjusted prior to the beginning of data collection to ensure that it fit the subject snugly, maximizing the contact made with the scalp, and minimizing the interference from nearby facial muscles (Figure 2). Sponges were soaked in potassium chloride prior to testing to promote electrode conductivity. Sensor impedance was maintained below the recommended manufacturer specification of $40 \text{ k}\Omega$.



Figure 2 - The 128-channel EEG sensor net and testing room used in this study. The net was adjusted to fit the scalp of each subject individually to ensure that the electrodes were appropriately placed. The subject was seated in front of a computer display where visual stimuli were presented for the categorization task. Note that the subject seen in this picture was not a participant of this study.

Stimulus presentation for the gender/emotion recognition task was controlled via the E-prime software (Psychology Software Tools, Sharpsburg, PA) running on a personal computer. This software package is commonly used to design psychological experimental procedures using timed stimuli and signal recording. Facial images for the categorization task were presented on a fifteen inch flat-panel display. Subjects were seated during the study, and a chinrest was provided to keep the center of the display approximately 50 cm from the subject's eyes. Subject responses to the stimuli were collected via a keypad connected to the testing computer terminal (Serial Box, Psychology Software Tools, Sharpsburg, PA). Instructions varied between the four blocks of the study, and were presented on the screen to the subject prior to beginning a new segment of the test. All four segments required the subject to select one of two choices by pressing the corresponding button on the keypad explained in the instructions.

The experiment was divided into four segments, corresponding to four categories of facial images presented in the experiment: (1) gender recognition with neutral expressions, (2) gender recognition with emotional expressions, (3) anger versus disgust recognition, and (4) fear versus sadness recognition. The presentation of blocks in the study was counter-balanced to keep ordering effects negligible. In each section, the subject was asked to categorize the displayed face into one of two groups, differentiating either the gender or the perceived emotional state of the individual in the image. The subjects indicated their selection by pressing the corresponding button on the keypad. Each category contained sixty images for the subject to differentiate. Every image remained on the screen for a 300 ms period. Pauses between stimuli ranged from 1100-1300 ms to avoid anticipatory effects. EEG recording occurred throughout the entire experimental procedure, but was later segmented into smaller data segments for more efficient analysis (Figure 3). The complete four category experiment took approximately twenty minutes to complete, including short breaks that were provided between image categories, presentation of the instructions, and brief practice sessions prior to each category.

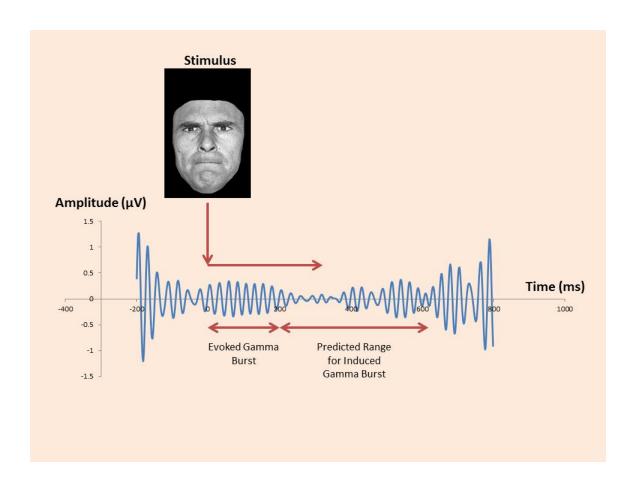


Figure 3 - A visual representation of the categorization task. Each image remained on the screen for 300 ms. The subject was given approximately 1100-1300 ms to categorize the face into one of two groups before the next image appeared on the screen. The time between images varied to discourage anticipation. Segmentation was performed for each image starting 200 ms before stimulus presentation, to 800 ms after stimulus presentation.

Each facial image category contained twenty-four unique black-and-white images, with equal representation of male and female subjects. Similarly, in emotion recognition tasks, each emotion was equally represented. The hair from all subjects in the images was removed to increase the difficulty of the categorization task. Seventy-two total images were used for all four categories, with some reuse between categories. All

images were randomly selected from standard databases of facial pictures developed for similar studies (Pictures of Facial Affect, Paul Ekman 1976-2004, Berkeley, CA; JACFEE/JACNeuF, David Matsumoto and Paul Ekman, 1988-2004, Berkeley CA). The subjects were required to complete sixty trials for each section corresponding to a different facial image category (Figure 4).

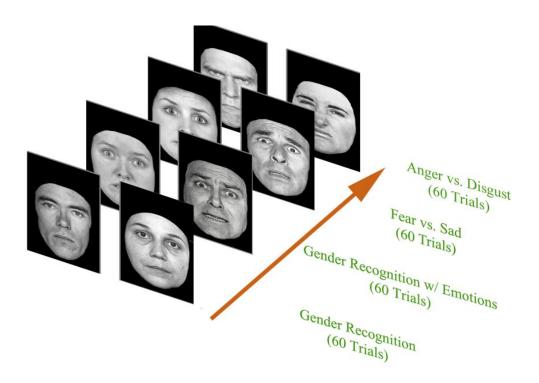


Figure 4 - A representation of the four block experimental study and examples of the facial images used during the test procedure. Participants were asked to distinguish a face as belonging to one of two groups: male or female, angry or disgusted, or fearful or sad. Each test block consisted of sixty trials, with twenty-four unique images per trial.

The collected EEG recordings were stored in Net Station (EGI), tagged according to test category, and segmented offline into one second trials. The collected trials were first divided by subject type (ADHD, ASD, or control), and then kept separate for each

individual subject within that type. The data was then organized into four experimental conditions based on the task the subject was asked to perform: 1) Gender Recognition-All, 2) Emotion Recognition-All, 3) Anger/Disgust Recognition, and 4) Fear/Sad Recognition (Figure 5). 11 of the 128 EEG channels were selected for induced gamma power analysis and further data processing (Figure 6). Approximately thirty trials were used for analysis in the Anger/Disgust and Fear/Sad recognition for each subject, and sixty trials were used in the Gender/Emotion Recognition. This data was exported into MATLAB for further signal processing. All subjects included in this study completed the entirety of the experiment, and had a sufficient amount of data for each experimental condition.

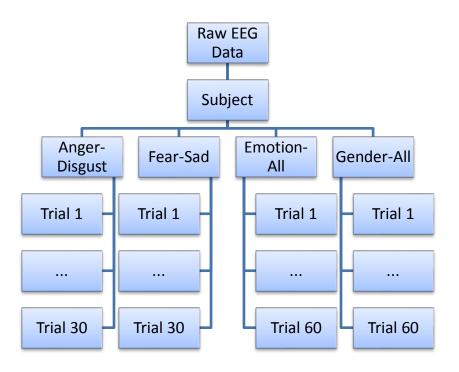


Figure 5 - The four experimental categories used for data analysis. For each subject, sixty trials were selected for analysis in the gender and overall emotion recognition categories, while thirty were selected for the individual emotion recognition tasks (i.e. anger versus disgust).

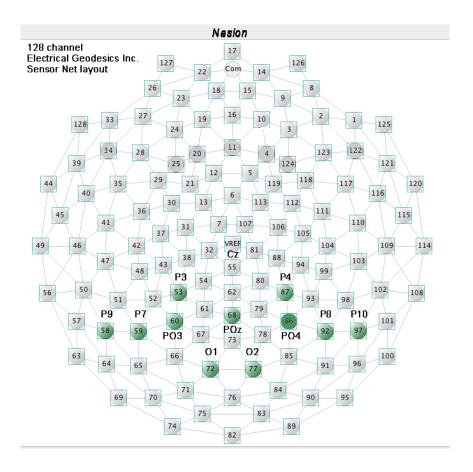


Figure 6 - Location of the eleven electrodes selected for analysis in this study.

IV. DATA ANALYSIS

Filtering Technique

After the collected EEG trials from the gender/emotion categorization task were organized as previously described, they were processed via Wavelet analysis. This technique allows for visualization of the collected signals in both the time and frequency domains, and can be used to isolate the frequencies of interest (i.e. the gamma band) from the broad spectra of EEG waveforms in combination with a digital filter. Wavelet analysis provides information about the dynamic changes in amplitude of gamma waveforms at varying frequencies within the selected time interval, as opposed to the static perspective offered by more traditional methods of Fourier analysis. In this study, a one-dimensional continuous wavelet transform (Equation 1) was performed using the MATLAB Wavelet Toolbox.

$$CWT\frac{\psi}{x}(\tau,s) = \frac{1}{\sqrt{s}} \int [(x(t)\psi * (\frac{t-\tau}{s}) dt]$$
 (1)

Equation 1: The general formula for the continuous Wavelet transform utilized in the signal processing portion of this study.

The Morlet window was selected as the mother wavelet (ψ) in this analysis, a plot of which can be seen in Figure 7. The continuous wavelet transform created 128 coefficients for each trial that underwent data analysis. The range of these coefficients contained information about the higher frequency (represented by lower coefficient numbers) and lower frequency (represented by higher coefficient number) components in the signal.

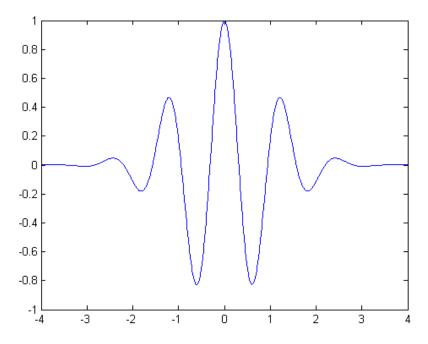


Figure 7: A graphical representation of the Morlet window used in the continuous onedimensional wavelet analysis.

Following wavelet analysis, a custom bandpass filter with a Harris 7 window was applied to the signals to isolate frequencies of interest. This filter allowed for the passage of the gamma frequencies between 35-45 Hz with a two Hz attenuation band. The Harris window used in the filter design was composed of 725 samples. A similar Wavelet/Harris filtering technique was used in previous gamma analysis studies on neurofeedback and cue reactivity (Horrell et al., 2010).

Data Alignment

Filtered data was further processed in MATLAB to create two datasets for analysis: one unaligned dataset (similar to what would be used in traditional EEG studies) to serve as a control, and another analogous dataset created after utilizing the proposed alignment technique on the segmented EEG trials. To construct the aligned dataset, segmented trials were organized into groups by subject, experimental condition, and EEG channel (i.e. thirty trials in group Eric-Anger/Disgust-P3, etc.). Within each group, the first trial was selected as the setpoint for that group to be used in the data alignment step. A 400 ms window from 200 to 600 ms post-stimulus was then segmented from the setpoint trial to capture the range of time where induced gamma activity is expected to occur.

Subsequent trials in the group were then compared to the setpoint. For each trial, a 400 ms window starting at 100 ms post-stimulus was initially selected (i.e. 100 to 500 ms post-stimulus). The two-dimensional Pearson-Product Moment correlation coefficient (Equation 2) was then calculated between this window and the setpoint. The window was shifted by 2 ms forward in time (i.e. 102 to 502 ms post-stimulus) and the coefficient

calculation was repeated. This process was performed iteratively 101 times, shifting the window incrementally to cover a total time span of 100-700 ms post-stimulus in 400 ms segments. The 400 ms window with the largest positive correlation coefficient was then selected as the 'aligned' form of the signal, and was exported into the database for aligned trials. (Figure 8) This process was repeated for all signals within a group, and for all groups in the original dataset.

$$r = \frac{\sum_{m} \sum_{n} (A_{mn} - \bar{A})(B_{mn} - \bar{B})}{\sqrt{(\sum_{m} \sum_{n} (A_{mn} - \bar{A})^{2})(\sum_{m} \sum_{n} (B_{mn} - \bar{B})^{2})}}$$
 (2)

Equation 2: The formula to calculate the Pearson-Product Moment correlation coefficient, which was used to find the level of similarity between the setpoint and the subsequent trials for the alignment technique.

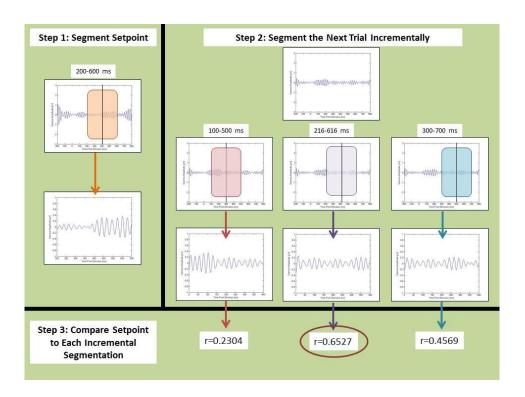


Figure 8 - The step-by-step procedure of the alignment technique. First, the setpoint is chosen by segmenting the first signal in a set from 200-600 ms post-stimulus. Subsequent trials are then incrementally segmented in 400 ms pieces starting at 100 ms post-stimulus, with a 2 ms shift each increment. The correlation coefficient is calculated for each increment, and the level of shift that produces the highest positive coefficient value is selected as the 'aligned' 400 ms segment for analysis. This process is repeated for each trial within a set until each trial is aligned to the setpoint.

An unaligned database was also created by simply segmenting the original trials from 200 to 600 ms post-stimulus without utilizing any alignment technique. The unaligned segmented trials were organized into the same groups as the aligned dataset, so that they would be analogous to one another in the analysis phase.

Averaging and Gamma Power Calculation

Trials within each group were averaged together in MATLAB to produce a 400 ms signal for both the aligned and unaligned datasets. Gamma power was calculated by summing the squares of the amplitude at each point in the averaged signals. Gamma power was reported in units of μV^2 . A flowchart depicting the data analysis steps for the aligned dataset is shown in Figure 9.



Figure 9 - A flowchart depicting the steps in the data analysis procedure for the aligned dataset. The unaligned dataset was created similarly, with the exclusion of the data alignment phase in the flowchart.

Power values from both datasets were organized into tables for statistical analysis. Within each subject type and experimental condition pairing (i.e. ADHD, Anger/Disgust, etc.) outliers were identified and removed using two standard deviations from the mean as the initial exclusion criteria. Subjects who had power values excluded for a particular EEG channel were retained in the study if other channels had values that were not excluded. If a power value for a particular subject, experimental condition, and channel (i.e. Eric-Anger/Disgust-P3, etc.) was excluded in the aligned dataset, the corresponding value was also excluded in the unaligned dataset, even if the unaligned value fell within two standard deviations of the mean for the unaligned pairing. Similarly, values excluded in the unaligned dataset caused the removal of the corresponding values in the aligned

dataset. This step was performed to ensure that two datasets could be compared to one another fairly.

Statistical Analysis

Data analysis was performed in SPSS (v. 18) and MINITAB (v. 16). Gamma power values calculated in the previous step were loaded into the program following the removal of outliers. A repeated measures analysis of variance (ANOVA) was performed with a combination of the following factors: experimental condition (Anger/Disgust, Fear/Sad, etc.), channel (P3, P4, etc.), hemisphere (right or left), alignment (aligned and unaligned) and in between subjects recruited for the study. Subjects were also split into subject groups (ADHD, ASD, or control) for some ANOVA models. Models were constructed to test for significant interactions between subject group, experimental condition, hemisphere, and alignment for channel pairs (i.e. P3 and P4, P7 and P8, etc.). Experimental conditions varied in our ANOVA models. Simple models compared the gender and emotion recognition tasks generally (i.e. Gender All vs. Emotion All) while more specific models looked at the individual emotion recognition tasks separately and compared them to the gender recognition task (i.e. Anger/Disgust vs. Gender All). Greenhouse-Geisser corrected p-values were used for determination of statistical significance when appropriate.

V. RESULTS

Main Effect of Data Alignment

A significant main effect of alignment (F=995.89, p<0.0001) was observed across all parietal and occipital channels collected (P3, P4, P7, P8, P9, P10, POz, PO3, PO4, O1, O2). The significant main effects and interactions of the Anger/Disgust, Fear/Sad, Gender-All model are reported in Table I. This main effect of alignment was observed in all ANOVA models regardless of the experimental conditions selected for comparison. Similarly, the significant main effect for alignment was observed individually in all channels and hemispheric channel pairs. Line plots created in MINITAB depict the difference between averaged aligned and unaligned power values across subject and experimental conditions, as shown in Figure 10.

TABLE I
ANOVA TABLE FOR INDUCED GAMMA POWER

Factor	Туре	Levels	Value	s					
Condition	fixed	3	Anger	-Disg	ust, Fear	-Sad, Ger	nder-All		
Alignment	fixed	2	Align	ed, U	naligned				
Group	fixed	3	ADHD,	Auti	sm, Contr	ol			
Analysis of	Varianc	e for Po	wer-P	ມເຊ່ກ	a Adiuste	d SS for	Tests		
Analysis of	varianc	e 101 10	wer i,	usin	g Adjuste	u 55 101	16363		
Source				DF	Seq SS	Adj SS	Adj MS	F	P
Condition				2	11.41	11.52	5.76	3.45	0.032
Alignment				1	1670.95	1663.13	1663.13	995.89	0.000
Group				2	80.12	80.03	40.01	23.96	0.000
Condition*Al	lignment			2	2.64	2.52	1.26	0.76	0.470
Condition*G	roup			4	2.39	2.39	0.60	0.36	0.839
Alignment*G	roup			2	0.98	1.04	0.52	0.31	0.733
Condition*Al	lignment	*Group		4	17.91	17.91	4.48	2.68	0.030
Error				1824	3046.07	3046.07	1.67		
Total				1841	4832.46				-

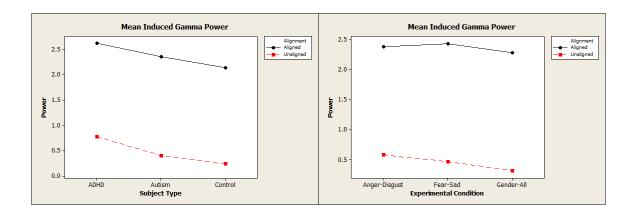


Figure 10 - Line plots emphasizing the difference between aligned and unaligned averaged power values across subject types (Left) and experimental conditions (Right).

A direct comparison of the aligned and unaligned signals was performed in MATLAB. Coinciding with the statistical analysis previously described, the amplitude of

the aligned waveforms appeared to be higher, resulting in greater overall power values for the aligned dataset. Two graphs prepared in MATLAB shown in Figure 11 provide an example of the difference between the aligned and unaligned waveforms for a single channel, subject, and experimental condition (i.e. P7-Eric-Anger/Disgust).

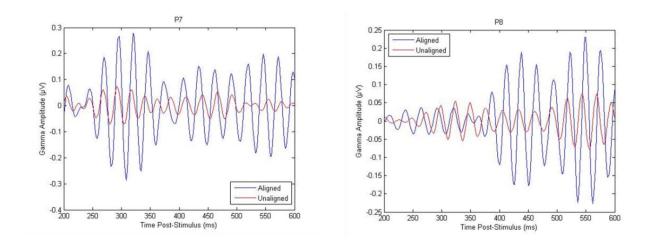


Figure 11 - An example of aligned and unaligned EEG signals in parietal channels for a single subject and experimental condition (i.e. Eric – Anger/Disgust) in two different channels.

Additional Main Effects

Significant main effects for experimental condition (F=3.45, p=0.032) and subject group (F=23.96, p=0.000) were also present across all parietal and occipital channels in the Anger/Disgust, Fear/Sad and Gender-All ANOVA model, as reported in Table I. Figure 12 depicts these main effects across both the aligned and unaligned datasets.

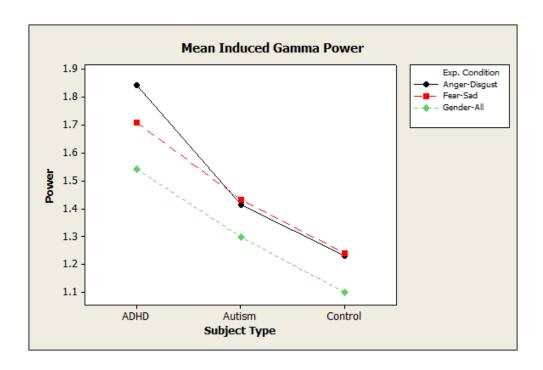


Figure 12 - A graph depicting the main effects of experimental condition and subject type across both the aligned and unaligned datasets. The emotional tasks were significantly higher in average mean induced gamma power for all subject types. Similarly, power values from ADHD subjects appeared higher than those from autistic and control subjects.

Significant Interactions

Significant Group-Condition-Alignment three-way interactions were observed generally across the parietal and occipital channels in the Anger/Disgust, Fear/Sad, Gender-All ANOVA model (F=2.68, p=0.030). No significant two-way interactions were present across all channels when using this model.

In an ANOVA model that compared the Anger/Disgust recognition task to the gender recognition task, significant interactions could be seen in the P3-P4 channels (F=3.43, p=0.048) and P7-P8 channels (F=4.304, p=0.025). As shown in Figure 13, significant effects of Condition-Group pairings became more apparent in the aligned

datasets. Descriptive statistics for P3-P4 and P7-P8 three-way interaction groups are provided in Table II.

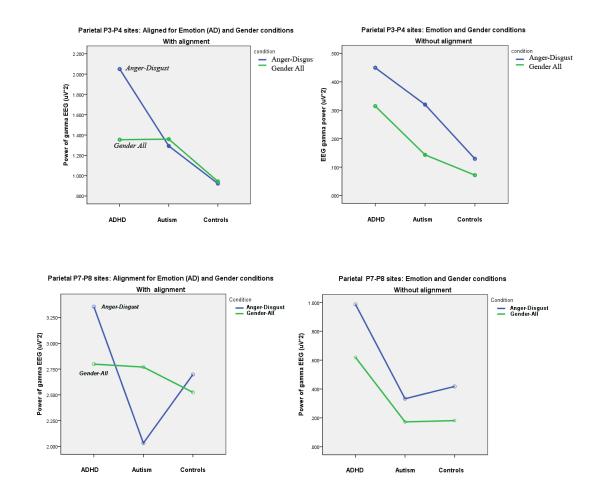


Figure 13 - Interaction plots for parietal channels depicting differences in Condition, Group, and Alignment pairings. Plots revealed significant interactions in the aligned dataset that would otherwise have gone unnoticed. Top: Channel pair P3-P4, Bottom: Channel pair: P7-P8

TABLE II

DESCRIPTIVE STATISTICS FOR SIGNIFICANT PARIETAL CHANNEL PAIRINGS

			Align	<u>ned</u>	<u>Unal</u>	igned
	Patient Group	Experimental Condition	Mean	Standard Error	Mean	Standard Error
	ADHD	Anger/Disgust	2.049	0.286	0.450	0.126
	ADHD	Gender All	1.354	0.203	0.315	0.084
D2 D4	Autism	Anger/Disgust	1.292	0.283	0.320	0.126
P3 - P4	Autism	Gender All	1.360	0.203	0.143	0.084
	Control	Anger/Disgust	0.922	0.271	0.129	0.120
	Control	Gender All	0.943	0.192	0.072	0.080
	ADHD	Anger/Disgust	3.355	0.500	0.987	0.215
	ADHD	Gender All	2.798	0.491	0.620	0.160
D7 D0	Autism	Anger/Disgust	2.031	0.530	0.333	0.228
P7 - P8	Autism	Gender All	2.769	0.520	0.172	0.169
	Control	Anger/Disgust	2.697	0.474	0.418	0.204
	Control	Gender All	2.524	0.465	0.181	0.151

VI. DISCUSSION

This study attempted to answer two proposed questions: can the attenuation observed in the induced portion of collected gamma oscillations be reduced by using a method of data alignment, and can this method contribute to the analysis of differences between ASD, ADHD, and TD subjects? The obtained results contributed to answering both of these questions. The method of data alignment used in this study, while simple in its implementation, is novel in its application to power analysis of EEG signals. This study serves as a pilot investigation for future Theory of Mind influenced experiments comparing ASD, ADHD, and TD subjects.

Main Effect of Alignment

Overall, the main effect of the alignment technique (p<0.0001) was the most profound in the entire study. With very few exceptions, the aligned averaged power of the induced gamma oscillations had a higher value than their unaligned counterpart. This effect is most notably observed in Figure 11 and Table I, and suggests that the data alignment technique employed in this study effectively reduces the attenuation of induced gamma waveforms for all channels, subject groups, and experimental conditions observed.

The extremely large main effect of alignment may be explained by the nature of the MATLAB program utilized in this study. Our program aligned trials by shifting them within a fixed window of time to maximize the amount of overlap that occurs. This reduced the attenuation of the averaged signal. If the maximum overlap hypothetically occurred from trial to trial before performing any shift on the time axis, the 'aligned' dataset would be identical to the 'unaligned' dataset. Thus, the power of the aligned averaged waveform should always be equal to or greater than the power of the unaligned averaged waveform, since the program will not produce an aligned signal that is more attenuated than the unaligned signal. This effect was confirmed visually by examining the graphs of aligned and unaligned waveforms produced in MATLAB, as shown in Figure 11.

The averaged induced gamma oscillations graphed in MATLAB Figure 11 verify the conclusions drawn from the statistical analysis, clearly showing that the aligned counterpart had a higher maximum amplitude on average, and consequently, a higher overall power value. This effect does not appear to be entirely random. The aligned oscillation for channel P8 in Figure shows that the amplitude of the aligned signal remains relatively close to that of the unaligned signal until approximately 400 ms post-stimulus. At this point, the aligned oscillation quickly grows in amplitude for the remainder of the segment. This suggests that the alignment technique used in this study does not artificially increase the amplitude at all points. If the induced gamma activity is only active during a particular window of the total time, then the aligned averaged oscillation produced will reflect that phenomena. Thus, the aligned averaged response appears to remain true to the behavior of the constituent signals.

Other Main Effects

Although the focus of this study was on the effect of alignment, and how the technique may further understanding in the study of ADHD, ASD, and TD subjects, the experimental condition and subject group main effects are important to note. Had these effects appeared insignificant in the statistical analysis, the justification for using data alignment in these particular kinds of experiments would be significantly weakened. Detection of differences in the performance of subjects across different experimental conditions and subject groups verifies that this study is working with meaningful metrics, and coincides with expectations in the literature.

The main effect of experimental condition (p=0.032), as reported in Table I, suggests that the type of recognition task the subject was asked to perform had an effect on the induced gamma power recorded on average, regardless of the alignment method used, channel selected, or subject group observed. As shown in Figure 10, the emotion recognition tasks (i.e. Anger/Disgust, Fear/Sad) appeared to produce higher power levels on average than the gender recognition tasks. This coincides with the original hypothesis that suggested that the emotional recognition tasks would be more intensive than the simpler, gender recognition tasks.

Similarly, the main effect of subject group (p<0.01) reported in Table 1 suggests that the different types of subjects (i.e. ADHD, ASD, and TD) performed differently in the various tasks. This effect may also be observed in Figure 10, which suggests that the induced gamma power was higher in individuals with ADHD or ASD on average, across all channels, experimental conditions, and alignment methods. Because it is expected that

children with neurodevelopmental disorders will struggle with these recognition tasks more than TD children, this result seems reasonable.

Significant Interactions

Significant Group-Condition-Alignment three-way interactions seen in the parietal channels suggest that the alignment procedure produces data that better resolves the differences between Group-Condition pairings. Whereas significant Group-Condition effects would have gone unnoticed in the parietal channels with traditional techniques, alignment provided a means of visualizing these significant differences between ADHD, ASD and control subjects. This effect was observed across all parietal and occipital channels using the Anger/Disgust, Fear/Sad, Gender-All ANOVA model, as observed in Figure 12 and Table I, and in individual parietal channel pairings using the Anger/Disgust and Gender-All ANOVA model as shown in Figure 13 and Table II.

Multiple ANOVA models were used to identify the situations where the most significant results were produced. Although a general three-way significant interaction was observed using the Anger/Disgust, Fear/Sad, Gender-All ANOVA model across all parietal and occipital channels, the same effect was only observed in individual channel pairings (i.e. P3 and P4, P7 and P8) when the ANOVA model was changed to Anger/Disgust and Gender-All only. It is hypothesized that the Anger/Disgust task may produce the strongest emotional response during the study, effecting the highest induced power levels. Thus, by limiting the statistical analysis to the Anger/Disgust recognition task and the less difficult gender-recognition task, more significant interactions were observed when looking at the individual channel pairings. This simplified ANOVA

model still provides useful information, because it compares an emotional recognition task to the gender recognition task across the various subject types and experimental conditions.

Comparison of Induced Gamma Power in Subject Groups

Prior to analysis, it was hypothesized that the emotion recognition tasks would be more challenging for ADHD and ASD subjects than the gender recognition tasks, and would be more likely to effect changes in the induced gamma waveforms between the subject groups. The significant interactions in Figure 13 reveal some trends that support this hypothesis. Within the aligned datasets, the power of the gender recognition task remained relatively constant between ASD, ADHD, and control subjects. Much greater variation is seen in the anger/disgust recognition task. ADHD subjects typically exhibited a higher induced gamma power during this task compared to the gender recognition task. Conversely, ASD subjects had a lower induced gamma in the anger/disgust recognition task versus the gender recognition task. Control subjects had relatively small differences between the induced power of the two tasks compared to ADHD (P3-P4 and P7-P8) and ASD (P7-P8) subjects.

Although these effects were not observed in other channel pairings, their effect was strong enough to cause the three-way interaction to be present in the statistical analysis of all of the parietal and occipital channels, as shown in Table 1. It is possible there was an insufficient amount of subjects or data samples in this study to reveal the significant three-way interaction in all channel pairings. It is also possible that this interaction may be limited to the parietal region covered by channels P3, P4, P7, P8.

The parietal/occipital channels are of particular interest and were chosen for analysis because of their involvement with mentalizing and visual processes, and their proximity to the temporal region, where the fusiform face area is located. These regions are hypothesized to be connected to facial recognition mechanisms, and are the subjects of study in Theory of Mind research, particularly those studies that involve subjects with ASD.

This study is merely a pilot for future research into the induced gamma behavior of ASD, ADHD, and TD subjects during facial categorization and other ToM tasks. The statistical analysis demonstrated that the alignment method used identified interactions between subject groups and experimental conditions that would otherwise have gone unnoticed, and these differences coincide with expectations from the literature. Further investigation would be necessary to draw more rigorous conclusions from this type of study.

Data Processing Method

The outlined alignment procedure may be modified for future studies. A wide 400 ms window was selected to ensure that the induced gamma region of the signals was captured, though this window could be changed to any value less than the total length of the signal. Similarly, the selection of the setpoint window from 200 to 600 ms post-stimulus could be shifted if the induced gamma is anticipated to occur at a different point in time. The incremental comparisons between the setpoint and subsequent trials in a group were made every 2 ms based on the system sampling frequency of 500 Hz, though this value could be increased to improve the speed of the program at the cost of lower

resolution. The time range examined in the incremental comparisons was set from 100 to 700 ms post-stimulus, but this range may be changed as needed.

A potential source of error this alignment technique introduces is the selection of a setpoint. In this study, the first trial in each Subject-Condition-Channel group was segmented from 200-600 ms, and used to align the subsequent trials in the group. If this trial had artifacts or grossly abnormal induced gamma activity, it is possible that the system may align the subsequent trials improperly. This may be alleviated by examining trials prior to analysis, as was done in this study. Future efforts may include incorporating an algorithm that examines the setpoint prior to alignment, and accepts or rejects it based on user-contributed criteria (i.e. amplitude threshold, minimum power, etc.).

An additional source of potential error in this study is the selection of EEG channels for analysis. Although the selected electrodes are organized into a standardized system to allow for some universal comparison, only ten of the 128 recording electrodes were analyzed. Many of these electrodes were in regions of no interest in this study (i.e. frontal, etc.) but other parietal/occipital electrodes could have been selected, that may have yielded different results upon analysis.

VII. FUTURE WORK

A potential modification to the data alignment technique involving peak detection was investigated during this study, but would require further refinement before it could be implemented for use. In brief, the MATLAB program would be designed to identify the region within the segmented trials with the highest amplitude (presumably where the peak of the induced gamma oscillations were occurring) and would take a power reading over a small window centered at that point. This could potentially eliminate the iterative process used in this study to align the signals to one another, which would reduce the time required to run the program. A future study could be performed comparing this alignment method to the correlation coefficient method proposed in this study.

Although the parietal and occipital channels were the subject of interest in this study, the same analysis could be applied to the frontal channels, where higher cognitive activities may be involved in the processing of the recognition tasks. As previously mentioned, the parameters of the data alignment process may be freely changed prior to analysis. If differences in the induced gamma behavior distinguished the frontal EEG channels from the parietal/occipital channels (i.e. window of activity), it would simply be a matter of identifying that behavior prior to analysis, and modifying the alignment procedure to compensate for those differences.

This study compared differences between ADHD, ASD, and control subjects, but this same technique could be employed for other conditions, such as Parkinson's disease, Alzheimer's disease, post-traumatic stress disorder, and addiction disorders. Any condition where a visual, emotional, or attentional task may evoke unusual responses could serve as a potential candidate for further study via induced gamma waveform analysis. Similarly, the frequency band of interest may be modified simply by changing the Wavelet/Bandpass filter. Though 30-45 Hz is typically the region of interest for induced gamma studies, it is possible to expand the filter to include the higher gamma frequencies up to 80 Hz.

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APPENDIX I – MATLAB ALIGNMENT CODE

```
% Alignment Code
% Used on EEG data after Wavelet/Bandpass Filter is applied.
clear all
clc
close all
parentDir=cd;
allData_dir =[cd '\Aligned\Post-Gamma\'];
% Output directory to save results
OutDir = [cd '\Aligned\Aligned Post-Gamma\'];
dataFolders = dir(allData dir);
% Total # of subjects (Includes hidden folders)
FL = length(dataFolders);
Ks=0;
for zz = 1 : FL
   % Takes care of hidden files.
   if strcmp(dataFolders(zz).name,'.') | strcmp(dataFolders(zz).name,'..')
      continue:
   end
   Ks=Ks+1;
end
% This loops is for all patient groups (i.e. ASD, ADHD, etc.)
typeCount =0;
for yy = 1 : FL
   уу;
   % Takes care of hidden files.
   if strcmp(dataFolders(yy).name,'.') | strcmp(dataFolders(yy).name,'..')
      continue;
   end
   typeCount = typeCount+1;
   % Current Data Set Directory and its Output Directory
   curFolder = dataFolders(yy).name;
   curData dir=[allData dir, curFolder];
   mkdir(OutDir, curFolder)
   curData out=[OutDir,curFolder];
   %_____
   patientFolders = dir(curData dir);
   % Total # of subjects within a patient group (Includes hidden folders)
   FL2 = length(patientFolders);
   Ks2=0;
   for vv = 1 : FL2
      % Takes care of hidden files.
      if strcmp(patientFolders(vv).name,'.') |
strcmp(patientFolders(vv).name,'...')
         continue;
      end
```

```
Ks2=Ks2+1;
   end
   %This loop is over all patients within a specific type (i.e. ADHD).
   patientCount = 0;
   for yy2 = 1 : FL2
         уу2;
    % Takes care of hidden files.
    if strcmp(patientFolders(yy2).name,'.') |
strcmp(patientFolders(yy2).name,'...')
       continue;
   end
   patientCount = patientCount+1;
   % Current Data Set Directory and its Output Directory
   patientFolder = patientFolders(yy2).name;
   patientData dir=[curData dir,'\' patientFolder ];
   mkdir(curData out, patientFolder)
   patientData out=[curData_out,'\' patientFolder ];
    $_____
   conditionFolders = dir(patientData_dir);
    % Total # of experimental conditions (i.e. Anger/Disgusted) (Includes
hidden folders)
   FL3 = length(conditionFolders);
   Ks3=0;
    for cc = 1 : FL3
        % Takes care of hidden files.
        if strcmp(conditionFolders(cc).name,'.') |
strcmp(conditionFolders(cc).name, '...')
              continue;
           end
           Ks3=Ks3+1;
       end
      %This loop is over all conditions (i.e. Anger/Disgust) for a certain
subject.
      condCount = 0;
      for yy3 = 1 : FL3
           % Takes care of hidden files.
           if strcmp(conditionFolders(yy3).name,'.') |
strcmp(conditionFolders(yy3).name,'...')
               continue;
           end
           condCount = condCount+1;
           % Current Data Set Directory and its Output Directory
           condFolder = conditionFolders(yy3).name;
           conditionData_dir=[patientData_dir,'\' condFolder ];
           mkdir(patientData out, condFolder)
           curCondition out=[patientData out, '\' condFolder ];
xlsDir Input = conditionData dir
cd(xlsDir Input) % Input data folder
%xlsDir Output=[cd '\Output Excel Files\'];
                                           % Output data folder
%Structure with all files in the specified dir.
```

```
allXls Files = dir(xlsDir Input);
%Total # of files inncludes hidden ones
FL = length(allXls Files);
conditionFiles = dir(conditionData dir);
% Total # of subjects (Includes hidden folders)
FL4 = length(conditionFiles);
Ks4=0;
for ff =1 : FL4
% Takes care of hidden files.
  if strcmp(conditionFiles(ff).name,'.') |
strcmp(conditionFiles(ff).name,'...')
     continue;
  Ks4=Ks4+1;
end
% Outlines the alignment parameters
% corrStep = The shift on the x-axis between trials that are being compared t
           to the setpoint.
% startStep = The furthest, left-most starting point for the alignment
용
            process to begin.
% endStep = The furthest, right-most ending point for the alignment process
          to conclude on.
Sxls all=['A' num2str(1) ':R' num2str(201)];
corrStep = 1;
startStep = -50;
endStep = 50;
fileCount = 0;
% This portion identifies the setpoint for a particular patient and
% experimental condition. All eighteen channels are independently and
% simultaneously aligned.
           for yy4 = 1 : FL4 %To pick up the first trial
               % Takes care of hidden files.
               if strcmp(conditionFiles(yy4).name,'.') |
strcmp(conditionFiles(yy4).name,'...')
                   continue;
               fileCount = fileCount+1;
               % Current Data Set Directory and its Output Directory
               condFile = conditionFiles(yy4).name;
               allChannelsRef = xlsread([conditionData dir, '\' condFile ]);
               selChannelsRef =zeros(size(allChannelsRef,1),18);
               for k =1:18
                   selChannelsRef(:,k) = allChannelsRef(:,k);
               end
               croopedChannelsRef = selChannelsRef(200:400,:);
           xlswrite([ curCondition out '\' condFile
],croopedChannelsRef,Sxls all)
```

```
% This portion aligns the remaining trials within each patient-condition
% folder. The channels are independetly aligned (i.e. F1 might be shifed
% 30 ms backward, while F2 is shifted 80 ms forward). The startStep and
% endStep represent the range on the x-axis that the program will attempt
% to align the trials. The corrStep is the resolution of the alignment
% process.
           for yy4 = 4 : FL4 %This loop starts from the second trial
               % Takes care of hidden files.
               if strcmp(conditionFiles(yy4).name,'.') |
strcmp(conditionFiles(yy4).name, '...')
                   continue;
               end
               % Current Data Set Directory and its Output Directory
               condFile = conditionFiles(yy4).name;
               allChannels = xlsread([conditionData dir, '\' condFile ]);
               selChannels =zeros(size(allChannels,1),18);
               for k = 1:18
                   selChannels(:,k) = allChannels(:,k);
               end
               allCorr vals = zeros(endStep-startStep+1,18);
               myCount = 0;
               candChannels = zeros(size(croopedChannelsRef,1),18);
               for ee =1:18
                   myCount = 0;
                   Corr vals = zeros(endStep-startStep+1,1);
                   for hh = startStep:corrStep:endStep
                       myCount = myCount+1;
                       croopedChannels = selChannels(200+hh:400+hh,:);
                       Corr vals(myCount)
= (corr2(croopedChannelsRef(:,ee),croopedChannels(:,ee)));
                   end
                   [curVal curPos]=max(Corr vals);
                   candChannels(:,ee) =
selChannels(200+startStep+curPos:400+startStep+curPos,ee);
                   allCorr vals(:,ee) =Corr vals;
               xlswrite([ curCondition out '\' condFile
],candChannels,Sxls_all)
           end
       end
   end
end
```

APPENDIX II – DATA TABLES

TABLE III – INDUCED GAMMA POWER TABLE

	Allowed	20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
Anger-Disgust		F1_AD	F2_AD	F3_AD	F4_AD	F7_AD	F8_AD	Fz_AD	P3_AD	P4_AD	P7_AD	P8_AD	POz_AD	PO3_AD	PO4_AD	P9_AD	P10_AD	01_AD	O2_AD
AD_1'	ADHD	1.619	1.898	1.463	2.205	2.455	3.935	2.076	0.638	0.986	2.094	1.668	1.823	1.643	2.409	2.099	2.448	2.862	2.998
AD_2'	ADHD	0.755	0.975	1.867	1.147	3.061	0.771	1.092	2.324	1.795	3.736	4.787	2.602	3.748	3.053	4.090	2.849	6.195	5.921
AD_3'	ADHD	3.356	1.922	2.442	1.832	2.212	3.026	3.122	0.093	0.342	0.391	1.662	0.352	0.985	0.392	0.376	1.240	0.393	0.327
AD_4'	ADHD	1.238	2.575	2.762				1.544	1.412	1.385	5.898	5.623	3.282	2.457	4.266		5.976	4.680	
AD_5'	ADHD	0.443	2.323	0.803	2.116	1.666	2.480	0.205	1.858	6.800	2.449	4.910	2.751	2.429	1.436	2.435	2.494	5.856	6.377
AD_6'	ADHD	1.564	2.246	1.804	3.115	2.997		1.617	2.807	1.480	2.070	1.631	2.332	4.873	5.236	1.805	1.568	2.616	2.460
AD_7'	ADHD	4.245	3.033	4.091	4 720	2.118	2.207	1.983	1.620	4.756	3.032	6.575	5.341	3.116	4.866	3.037	1.455	4.214	4.688
AD_8'	ADHD	1.315	1.861	1.593	1.739	2.007	2.387	1.957	2.571	2.856 2.195	1.856	4.401	0.766	1.800	1.421	2.046	4.465	0.506	1.010
AD_9' AS 1'	ADHD Autism	2.641	2.867	2.549	1.859	2.337			0.970 1.578	2.195	5.154 1.357	2.458 4.485	5.237 1.349	4.051 1.355	2.786 4.086	4.212 2.567	2.712	4.225 1.266	3.124
AS_1'	Autism	1.468	1.324	1.048	1.168	1.800	1.843	1.340	0.788	1.144	2.312	0.931	0.442	1.063	2.638	1.435	0.855	1.355	1.291
AS 3'	Autism	0.980	0.065	1.203	0.499	1.228	1.920	0.786	1.053	0.187	1.850	1.979	0.442	1.174	1.301	2.931	1.236	2.697	4.139
AS 4'	Autism	7.002	5.736	6.608	0.433	5.301	1.520	6.075	0.593	0.106	0.520	0.139	0.380	0.566	1.143	0.578	0.435	0.375	0.319
AS_5'	Autism	2.235	2.555	1.940	2.728	3.103	2.945	3.692	2.524	1.677	0.320	2.960	2.251	3.933	3.199	0.570	2.596	0.575	0.515
AS 6'	Autism	1.383	2.673	2.765		6.538		1.857	1.578	2.364	3.076	3.190	1.145	3.404	3.956	5.576	3.134	4.018	5.869
AS_7'	Autism	2.059	3.782		4.719	0.000	3.668	3.710	3.690		3.431	0.200	2.303	3.836	0.000	3.020	0.20	6.807	6.292
AS 8'	Autism	2.614	3.037	3.154	3.868		6.191	2.246	1.092	0.461	1.292	1.937	0.865	1.523	1.426	1.246	2.057	0.921	1.166
AS 9'	Autism	0.623	1.047	0.925	1.165	0.844	1.159	1.128	1.058	0.635	2.341	0.992	2.954	2.370	0.966	1.071	0.954	3.435	3.528
AS_10'	Autism	1.208	0.865	1.323	1.104	3.253	5.675	1.307	3.088	0.807	3.012	3.089	4.192	4.084	1.318	3.037	1.830	5.100	6.219
C_1'	Control	0.411	0.317	0.563		2.715	2.980	0.049	1.022	1.976	7.562	3.250	5.550	7.162	2.050	6.749	3.775		
C_2'	Control	0.519	0.418	2.832	2.095		4.053	0.885	0.821	1.958	2.710		1.736	2.630	3.717	3.326	4.658		3.568
C_3'	Control	1.224	2.783	1.403	4.541	1.409		1.045	0.279	0.278	0.354	2.360	0.102	0.259	2.801	0.392	2.671	0.245	0.121
C_4'	Control	1.116	1.283	1.694	1.619	1.956	2.812	0.904	0.802	1.168	2.835	1.646	1.118	1.369	3.333	2.733	4.320	3.403	3.923
C_5'	Control	0.934	1.090	0.875	1.631	1.022	1.840	1.608	0.482	1.389	1.301	2.527	2.333	1.073	2.037	1.414	3.176	1.936	2.191
C_6'	Control	1.175	1.558	1.184	1.972	4.148	4.331	1.316	1.626	1.647	3.189	4.978	2.522	2.641	2.082	2.079	1.895	6.849	7.098
C_7'	Control	0.775	1.476	0.919	4.543	1.291		0.976	0.545	0.601	0.495	2.307	0.186	0.509	0.196	0.777	2.423	0.371	0.237
C_8'	Control	3.010	1.341	3.182	1.315	3.452	4.774	1.153	1.060	0.318	0.749	1.357	0.342	0.776	0.447	0.916	5.033	0.648	0.619
C_9'	Control	2.303	4.234	3.669	4.223	4.862		2.376	1.509	0.029	2.225	2.506	0.776	2.217	0.028		3.532	1.026	1.195
C_10'	Control	2.149	0.686	1.696	0.818	4.165	4.048	2.822	0.357	0.576	0.745	1.775	0.046	0.403	0.582	1.371	2.632	0.846	0.777
C_11'	Control	2.722	3.348	3.005	3.264	4.399	4.878	3.658	5.951	3.882	7.471	4.314	6.576		3.692		6.796		
Emotion All A	ligned	20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
Emotion All A		20 F1_EM	4 F2_EM	F3_EM	124 F4_EM	F7_EM	F8_EM	11 Fz_EM	53 P3_EM	87 P4_EM	59 P7_EM	92 P8_EM	POz_EM	PO3_EM	86 PO4_EM	P9_EM	97 P10_EM	O1_EM	O2_EM
AD_1'	ADHD	20 F1_EM 1.634	4 F2_EM 1.895	F3_EM 1.529	124 F4_EM 2.080	F7_EM 2.788	F8_EM 3.333	11 Fz_EM 1.930	53 P3_EM 0.699	87 P4_EM 1.290	59 P7_EM 1.941	92 P8_EM 2.026	POz_EM 1.732	PO3_EM 1.533	86 PO4_EM 2.957	P9_EM 2.063	97 P10_EM 2.270		02_EM 3.213
AD_1' AD_2'	ADHD ADHD	20 F1_EM 1.634 0.585	4 F2_EM 1.895 1.079	F3_EM 1.529 1.378	124 F4_EM 2.080 1.242	F7_EM 2.788 1.728	F8_EM 3.333 0.726	11 Fz_EM 1.930 1.095	53 P3_EM 0.699 2.181	87 P4_EM 1.290 0.958	59 P7_EM 1.941 3.544	92 P8_EM 2.026 3.251	POz_EM 1.732 2.870	PO3_EM 1.533 3.632	86 PO4_EM 2.957 1.772	P9_EM 2.063 4.106	97 P10_EM 2.270 2.011	01_EM 2.868	02_EM 3.213 4.969
AD_1' AD_2' AD_3'	ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825	4 F2_EM 1.895 1.079 2.148	1.529 1.378 2.479	124 F4_EM 2.080 1.242 2.312	F7_EM 2.788	F8_EM 3.333	11 Fz_EM 1.930 1.095 4.248	53 P3_EM 0.699 2.181 0.146	87 P4_EM 1.290 0.958 0.346	59 P7_EM 1.941 3.544 0.474	92 P8_EM 2.026 3.251 1.597	POz_EM 1.732 2.870 0.424	1.533 3.632 1.091	86 PO4_EM 2.957 1.772 0.344	P9_EM 2.063 4.106 0.566	97 P10_EM 2.270 2.011 1.190	01_EM 2.868 0.434	02_EM 3.213
AD_1' AD_2' AD_3' AD_4'	ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083	4 F2_EM 1.895 1.079 2.148 1.113	1.529 1.378 2.479 2.005	124 F4_EM 2.080 1.242 2.312 4.567	F7_EM 2.788 1.728 2.044	F8_EM 3.333 0.726 4.258	11 Fz_EM 1.930 1.095 4.248 1.020	53 P3_EM 0.699 2.181 0.146 1.579	87 P4_EM 1.290 0.958 0.346 1.373	59 P7_EM 1.941 3.544 0.474 4.261	92 P8_EM 2.026 3.251 1.597 4.851	POz_EM 1.732 2.870 0.424 2.391	1.533 3.632 1.091 2.013	86 PO4_EM 2.957 1.772 0.344 4.070	P9_EM 2.063 4.106 0.566 4.813	97 P10_EM 2.270 2.011 1.190 5.914	01_EM 2.868 0.434 3.594	02_EM 3.213 4.969 0.373
AD_1' AD_2' AD_3' AD_4' AD_5'	ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458	4 F2_EM 1.895 1.079 2.148 1.113 1.997	1.529 1.378 2.479 2.005 0.696	124 F4_EM 2.080 1.242 2.312 4.567 1.730	2.788 1.728 2.044 1.640	F8_EM 3.333 0.726 4.258 2.413	11 Fz_EM 1.930 1.095 4.248 1.020 0.223	53 P3_EM 0.699 2.181 0.146 1.579 2.080	87 P4_EM 1.290 0.958 0.346 1.373 3.658	59 P7_EM 1.941 3.544 0.474 4.261 2.644	92 P8_EM 2.026 3.251 1.597 4.851 4.510	1.732 2.870 0.424 2.391 2.030	1.533 3.632 1.091 2.013 2.482	86 PO4_EM 2.957 1.772 0.344 4.070 1.286	P9_EM 2.063 4.106 0.566 4.813 1.963	97 P10_EM 2.270 2.011 1.190 5.914 2.681	01_EM 2.868 0.434 3.594 4.969	02_EM 3.213 4.969 0.373 5.263
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225	1.529 1.378 2.479 2.005 0.696 1.960	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669	2.788 1.728 2.044 1.640 3.247	78_EM 3.333 0.726 4.258 2.413 5.172	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397	97 P10_EM 2.270 2.011 1.190 5.914	01_EM 2.868 0.434 3.594 4.969 2.945	02_EM 3.213 4.969 0.373 5.263 4.014
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769	1.529 1.378 2.479 2.005 0.696 1.960 3.549	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085	2.788 1.728 2.044 1.640 3.247 1.703	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021	01_EM 2.868 0.434 3.594 4.969 2.945 3.406	02_EM 3.213 4.969 0.373 5.263 4.014 3.743
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159	2.788 1.728 2.044 1.640 3.247 1.703 1.885	78_EM 3.333 0.726 4.258 2.413 5.172	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769	1.529 1.378 2.479 2.005 0.696 1.960 3.549	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085	2.788 1.728 2.044 1.640 3.247 1.703	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021	01_EM 2.868 0.434 3.594 4.969 2.945 3.406	02_EM 3.213 4.969 0.373 5.263 4.014 3.743
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159	2.788 1.728 2.044 1.640 3.247 1.703 1.885	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257	1.640 1.703 1.885 2.405	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_8' AD_5' AD_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405	78_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469	0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384
AD_1' AD_2' AD_3' AD_6' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095	1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503	78_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570 2.238	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_4'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503	3.333 0.726 4.258 2.413 5.172 3.990 3.696	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570 2.238 0.101	1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_5' AS_6' AS_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.586 2.005	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257 1.030 0.819	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697	3.333 0.726 4.258 2.413 5.172 3.990 3.696	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.210	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.642 2.791 1.620 1.171 0.217 0.074 1.604 2.731	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570 2.238 0.101 3.661	POZ_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531 2.950 4.030	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161
AD_1' AD_2' AD_3' AD_6' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_6' AS_7' AS_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.921 3.245	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.586 2.005 2.005	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983 3.330	124 F4_EM 2.080 1.282 2.312 4.567 1.730 3.669 2.159 2.257 1.030 0.819 2.769	2.78M 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258	8.2413 5.172 3.990 3.696 1.854 2.437 3.759	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.198	87 P4_EM 1.290 0.9346 1.373 3.658 2.020 1.644 2.791 1.620 1.171 0.074 1.604 2.731	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.239 4.445 2.405 3.008 1.570 2.238 0.101 3.661 3.612	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.648 2.495 3.641 1.470 1.531 2.950 4.030	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 0.391 4.965 6.005	97 P10 EM 2.270 2.270 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.234	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_4' AS_5' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.505	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.586 2.005 2.926 1.059	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983 3.330 0.788	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606	3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.680 1.830 1.487 0.837 4.179 3.492 1.896 3.492 1.896 3.202 1.896	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.198 1.117	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217 0.217 0.074 1.604 2.731	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.445 2.405 3.008 1.570 2.238 0.101 3.661 3.612 2.239	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.536 4.030	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 1.732 3.400 7.244 3.234 1.126	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.6419
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_5' AS_5' AS_5' AS_5' AS_5' AS_6' AS_7' AS_8' AS_1' AS_1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.905 1.345	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.586 2.005 2.969 0.856	F3_EM 1.529 1.378 2.405 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983 3.0.788 1.473	124 F4_EM 2.080 1.282 2.312 4.567 1.730 3.669 2.159 2.257 1.030 0.819 2.769	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606	3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.210 2.282 1.086 1.222	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.198 1.117 3.402	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217 0.074 1.604 2.731	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570 2.238 0.101 3.661 3.612	POZ_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.221 0.211 2.246 1.350 2.185 3.173 4.474	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.901	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531 2.950 4.030	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161
AD 1' AD 2' AD 3' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 3' AS 6' AS 6' AS 7' AS 8' AS 8' AS 9' AS 10' C 1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.082 0.921 3.245 0.505 1.345 0.454	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 2.870 4.153 3.715 2.586 2.005 2.005 2.005 2.005	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983 3.330 0.788 1.473 0.672	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169 1.073	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.210 2.282 1.086 1.222	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.426 1.716 1.404 4.462 1.198 1.117 3.402 1.043	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.074 1.604 2.731 0.567 0.738 0.955 1.906	59 P7_EM 1.941 3.4261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194 1.757 2.437	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.445 2.405 3.008 1.570 2.238 0.101 3.661 3.612 2.239	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.901 6.380	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531 2.950 4.030 1.566 1.122 1.666 1.122 1.666 1.122 1.666 1.122	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005 1.776 1.084 3.876 7.290	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.328	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 6.419 1.766 3.430 5.920
AD_1' AD_2' AD_3' AD_6' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8' AS_9' AS_10' C_1' C_2'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.595 1.345 0.505	4 F2_EM 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.586 2.005 2.926 1.059 0.856 0.296	F3_EM 1.529 1.378 2.479 2.005 0.696 1.990 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.983 3.330 0.788 1.473 0.672 3.326	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169 1.073	7.28M 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 3.266	3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143	11 Fz_EM 1.930 1.095 4.248 1.020 0.1686 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.492 1.086 1.222 0.050 0.670	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.926 1.716 1.404 4.462 1.117 3.402 1.043 0.855	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.074 1.604 2.731 0.567 0.738 0.955 1.906 1.703	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194 1.757 2.437	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.2405 3.008 1.570 2.238 0.101 3.661 3.612 2.239 1.170 3.816 3.293	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731 1.759	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.900 6.380 3.156	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531 2.950 4.030	P9_EM 2.063 4.813 1.963 2.397 2.836 1.323 3.940 2.186 2.380 0.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616	97 P10_EM 2.270 2.011 1.190 5.2681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659 3.258 5.416	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 1.917 2.384 0.269 4.898 4.298	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 1.766 3.430 5.920
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AD 1' AD 2' AD 3' AD 3' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 3' AS 6' AS 7' AS 8 8' AS 6' C 1' C 2' C 3' C 4'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.905 1.345 0.451 0.913 1.345 0.913 1.345 0.913 1.345 0.913 1.345 0.913 1.345 0.913 1.345 0.913 1.345 0.913 0.9	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.3715 2.586 2.005 5.005 6.059 0.0	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 1.127 1.127 1.224 4.345 2.074 2.114 2.983 3.330 0.788 1.473 0.672 3.326 1.400 1.563	124 F4_EM 2.080 1.242 2.312 4.557 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169 1.073 1.928 2.970 1.575	2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238	11 Fz_EM 1.095 1.095 4.248 1.020 0.223 1.680 1.680 1.830 1.830 1.487 0.837 4.179 3.492 1.896 3.210 2.282 1.086 1.086 0.670 1.050 0.670 0.895	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.198 1.119 1.1043 0.855 0.321	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217 0.217 0.074 1.604 2.731 0.567 0.738 0.567 0.738 0.567 0.795 1.906 1.703 0.1059	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194 1.757 2.437 7.804 3.193 0.440 0.2541	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.454 2.405 3.008 1.570 2.238 0.101 3.661 3.612 2.239 1.170 3.816 3.293	POz_EM 1.732 2.870 0.424 2.391 2.392 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731 1.759 0.149 1.093	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.901 6.380 3.156 0.408 1.244	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.595 4.030 1.566 1.127 1.566 1.127 1.566 1.124 1.591 3.796 1.791 3.796	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616 0.511 2.576	97 P10 EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.528 5.416 2.535	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 4.298 4.298 1.896 3.206 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 6.419 1.766 3.430 5.920 3.729 0.173 3.928
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_6' AS_7' AS_8' AS_6' C_1' C_1' C_2' C_3' C_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.505 1.345 0.505 1.328 0.458	4 FZ_EM 1.895 1.079 2.148 1.113 1.997 2.259 2.080 2.870 2.870 4.153 3.715 2.926 1.059 0.295 0.356 0.311 1.976 1.996	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464	124 F4_EM 2_EM 2_S12 4_567 1.730 3.669 4_085 2_159 2_257 1.030 0_819 2_769 3_161 4_221 1_169 1_073 1_928 2_970 1_928 1_975 1_675	F7_EM 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734	F8_EM 3.333 0.726 4.258 4.258 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238	11 Fz_EM 1.095 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.210 2.282 1.086 1.222 0.050 0.670 1.059 0.895	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.117 3.402 1.043 0.855 0.391 1.329 0.568	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217 0.074 1.604 2.731 0.567 0.738 0.955 1.906 1.703 0.329 1.039 0.859	59 P7_EM 1.941 1.941 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194 1.757 2.437 7.804 3.193 0.440 2.541 1.335	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.4445 2.405 3.008 1.570 2.238 0.101 3.661 3.612 2.239 1.170 3.816 3.293 2.756 1.600 2.528	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731 1.759 0.149	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.901 6.380 3.156 0.408 1.244 1.134	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.661 1.470 1.531 2.950 4.030 1.566 1.122 1.674 1.991 2.841 3.796 2.841 3.796 2.841 3.343 2.841	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616 0.511 2.576 1.457	97 P10 EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659 3.258 5.416 2.862 3.537	0.1_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.298 1.896 3.206 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 6.419 1.766 3.430 5.920 3.729 0.173 3.729 0.173 3.2188
AD 1' AD 2' AD 3' AD 3' AD 5' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 5' AS 6' AS 7' AS 8' AS 7' AS 8' AS 7' AS 7' AS 7' AS 8' AS 7' AS 7' AS 8' AS 9' AS 7' AS 8' AS 9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.501 1.345 0.415 0.510 1.345 0.415 0.510 1.345 0.510 1.345 0.510 1.345 0.510 1.345 0.510 1.345 0.510 1.345 0.510 1.345 0.510 0.5	4 F2_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 2.870 2.870 2.980 0.955 4.153 3.715 2.586 2.005 2.096 0.311 1.976 1.292 1.096 1.461 1.992	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464 4.345 2.074 2.114 2.983 3.330 0.788 1.473 0.672 3.326 1.400 1.563 0.824 1.395	124 F4_EM 2.080 1.242 2.312 4.557 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169 1.073 1.928 2.970 1.575 1.675	77_EM 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734 1.103	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238 2.734 4.362	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 3.210 2.282 1.086 1.222 0.050 0.679 0.895 1.664	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.926 1.716 1.404 4.462 1.198 1.117 3.402 1.043 0.855 0.391 1.329 0.564	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.217 0.074 1.604 2.731 0.567 0.738 0.955 1.906 1.703 0.329 1.059 0.859	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 2.830 1.167 1.071 3.020 1.944 0.357 4.784 3.194 1.757 2.437 7.804 3.193 0.402 2.541 1.335	92 P8_EM 2.026 3.251 1.597 4.851 4.510 2.230 4.759 4.445 2.405 3.008 1.570 2.238 0.101 3.661 3.612 2.239 1.70 2.381 1.570 2.238 0.101 3.661 3.612 2.239 1.756 1.600 2.556	POz_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 1.350 1.759 0.149 1.093 2.373 1.760	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.901 6.380 3.156 0.408 1.244 1.124 1.124 1.244 1.244 1.323	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.061 1.470 1.531 2.950 4.030 1.566 1.122 1.566 1.124 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 1.991 3.794 3.	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616 0.511 2.576 1.438	97 P10_EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.996 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659 3.258 5.416 2.363 3.537 3.034	01_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298 4.998 4.998 4.026 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 0.161 6.419 1.766 3.430 5.920 0.173 3.228 2.188 6.052
AD 1' AD 2' AD 3' AD 6' AD 6' AD 7' AD 8' AD 9' AS 1' AS 6' AS 7' AS 8 6' AS 7' AS 8 6' C 1' C 2' C 3' C 6' C 7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 3.746 1.088 0.921 3.245 0.505 1.345 0.505 1.328 0.458	4 FZ_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 2.890 2.890 4.153 3.715 2.586 2.005 2.586 2.005 2.926 0.035 1.059 0.311 1.976 1.97	F3_EM 1.529 1.378 2.479 2.005 0.696 1.960 3.549 1.471 2.464	124 F4_EM 2.080 1.242 2.312 4.567 1.730 3.669 4.085 2.159 2.257 1.030 0.819 2.769 3.161 4.221 1.169 1.073 1.928 2.970 1.575 1.675 2.511	F7_EM 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238 2.734 1.782 4.362 5.612	11 Fz_EM 1.930 1.095 4.248 1.020 0.223 1.680 1.686 1.830 1.487 0.837 4.179 3.492 1.896 1.202 0.203 1.006 0.670 1.059 0.895 1.664 1.215	53 P3_EM 0.699 2.181 0.146 1.579 2.080 2.607 1.425 2.171 1.591 0.897 1.626 0.956 0.426 1.716 1.404 4.462 1.198 1.117 3.402 1.043 0.855 0.391 1.329 0.558	87 P4_EM 1.290 0.958 0.346 1.373 3.658 2.020 3.672 1.644 2.791 1.620 1.171 0.074 1.604 2.731 0.217 0.738 0.955 1.906 1.703 0.329 1.059 0.859 2.249 0.487	59 P7_EM 1.941 3.544 0.474 1.426 1.2121 1.071 3.020 1.944 3.194 1.757 4.7804 3.194 1.757 7.804 3.193 0.2451 1.335	92 P8_EM 1.597 2.026 3.251 1.597 4.4851 4.510 2.230 4.445 2.405 2.405 3.661 3.661 2.239 1.170 3.661 3.363 3.393 2.756 5.750 5.	PO2_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.446 0.931 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.473 1.759 0.193 1.093 2.373 1.769	PO3_EM 1.533 3.632 1.091 2.013 2.482 5.007 2.691 1.431 4.401 1.031 2.614 1.113 0.428 3.141 3.921 2.433 2.511 6.930 3.156 0.482 1.431 1	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.668 2.495 3.661 1.470 1.531 2.950 4.030 4.	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 1.323 3.940 2.578 2.186 2.380 0.391 1.776 1.084 3.876 1.084 3.616 0.511 2.576 1.457 2.438 0.877	97 P10 EM 2.270 2.011 1.190 5.914 2.681 2.021 4.585 2.469 0.906 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.669 3.258 5.416 2.862 3.303 4.191 3.034 1.917	0.1_EM 2.868 0.434 3.594 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.298 1.896 3.206 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.793 3.525 1.515 1.384 3.594 0.161 1.766 3.430 5.920 3.729 3.729 3.729 3.728 2.188 2.188 2.188 2.188
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_6' AS_6' C_1' C_2' C_3' C_5' C_6' C_7' C_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 0.901 3.746 3.7	4 FZ_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.596 2.905 2.905 1.059 0.296 0.29	1.529 1.378 2.479 2.005 1.990 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.183 3.330 0.788 1.473 0.672 3.549 1.473 0.672 3.549 1.473 0.672 1.400 1.563 0.824 1.395 0.908	124 F4 FM F4	F7_EM 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734 1.734 1.734 1.734 1.734	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238 2.734 4.362	11 Fz_EM 1.930 1.095 4.248 1.095 4.248 1.686 1.830 1.085 3.210 1.086 1.222 0.050 1.086 1.222 0.050 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.283 1.2	53 M P3_EM C P	87 P4 EM 1.290 0.598 3.658 3.658 2.791 1.604 0.217 0.217 0.217 0.738 0.567 0.738 0.567 0.738 0.7	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 1.071 3.020 1.167 4.784 3.194 1.757 2.437 7.804 0.440 2.541 0.440 0.537 7.804 0.440 0.537 0.440 0.541 0.440 0.541 0.5	92 P8_EM 2 2.026 3.251 1.597 4.4851 4.510 2.230 4.445 2.405 4.445 1.570 3.661 3.612 2.238 0.101 3.661 3.752 2.756 1.605 5.057 1.367	PO2_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.246 4.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731 1.759 0.149 1.093 1.760 0.184 0.502	PO3_EM 1.533 3.632 1.091 1.533 3.632 1.091 2.013 1.091 2.013 1.091 2.013 4.401 1.031 4.401 1.031 4.401 1.031 4.2614 1.113 3.251 5.638 0.408 3.156 6.0408 3.156 0.408 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 1.244 3.223 1.244 1.2	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.661 1.470 1.531 2.950 4.030 1.566 1.122 1.674 1.991 3.2841 3.343 2.191 2.060 0.224 0.735	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 2.387 2.186 2.380 2.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616 0.511 2.576 1.457 2.438 0.877	97 P10 EM 2.270 2.011 1.190 5.914 2.681 2.021 2.021 4.585 2.469 0.506 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659 3.258 5.258 3.258 5.458 3.458 5.456 5.	01_EM 2.868 0.434 4.969 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298 1.896 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 6.419 1.766 3.420 5.920 3.729 0.173 3.928 6.052 0.416
AD 1' AD 2' AD 3' AD 3' AD 5' AD 6' AD 7' AD 8' AD 9' AS 1' AS 5' AS 6' AS 7' AS 8' AS 7' C 1' C 2' C 3' C 4' C 5' C 6' C 7' C 8' C 9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 2.825 1.083 0.458 1.668 1.454 1.500 0.501 1.454 1.500 0.505 1.345 1.328 1.036 0.505 1.345 1.328 1.036 0.505 1.345 1.328 1.036 0.505 1.345 1.328 1.036 0.505 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 0.506 1.345 1.328 1.036 1.345 1.328 1.036 1.345 1.328 1.036 1.345 1.328 1.338 1.345 1.345 1.328 1.345 1.3	4 F2 EM 1.895 1.079 2.148 1.199 2.256 2.095 2.095 1.059 2.096 0.059 1.298 2.095 1.059 0.059 1.298 1.059 1.05	F3_EM 1.529 2.005 1.960 1.960 1.960 1.960 1.960 1.471 2.464 1.127 1.224 1.243 1.243 1.243 1.435 1.431 1.431 1.435 1.431 1.435 1.431 1.435	124 F4 E4	F7_EM 2.788 2.044 1.640 3.247 1.708 1.640 3.247 1.708 2.405 2.121 1.503 3.697 4.258 4.606 2.463 5.706 2.463 5.707 1.734 1.103 3.362 1.273	F8_EM 3.333 3.336 4.258 4.258 4.258 5.172 3.990 5.143 3.759 5.143 3.759 5.143 3.759 5.143 4.752 5.612 6.451	11 F2_EM 1.930 1.095 4.248 4.248 1.020 0.223 1.680 1.680 1.830 1.487 0.837 4.179 1.896 1.212 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.086 1.225 1.286	53 P3 EM 0.699 2.181 1.579 2.080 0.181 1.579 2.080 0.897 1.626 0.426 1.691	87 P4 EM 1.290 0.958 1.373 3.658 2.020 3.672 1.644 2.731 0.567 0.217 0.074 2.731 0.567 0.386 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 1.059 0.329 0.3	59 P7_EM 1.941 3.544 0.474 4.261 2.644 4.261 2.121 2.830 1.167 1.071 3.934 3.194 1.757 2.437 7.804 3.193 4.784 3.194 1.757 2.437 7.804 3.193 1.335 1.341 0.440 2.541 1.335 1.3361 1.3361 1.3361	92 P8_EM 1.597 2.026 3.251 1.597 4.591 4.591 4.591 3.008 1.570 3.008 1.570 3.661 2.239 1.170 3.816 3.612 2.239 2.756 1.600 2.528 2.528 1.570 1.600 2.528 1.600 2.528 1.600 2.528 1.600 2.528 1.600 2.528 1.601 1.633	POZ_EM 1.732 2.870 0.424 2.391 0.424 2.391 4.446 4.416 0.804 1.350 0.844 1.350 2.216 2.216 2.216 1.350 0.117 2.246 1.350 0.119 0.149 1.093 2.373 1.750 0.184 0.184 0.184 0.184 0.185 0.184 0.184 0.184 0.184 0.184 0.184 0.184 0.184 0.184	PO3_EM 1.533 3.652 1.091 2.013 1.593 3.652 1.091 2.013 1.091 2.013 3.007 2.691 4.401 1.013 2.614 4.101 1.113 3.921 2.433 2.511 3.921 3.156 3.008 3.156	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 6.5511 4.281 1.227 3.061 4.281 1.227 1.470 1.531 1.531 1.531 1.531 1.531 1.591 1.592 1.592 1.593	P9_EM 2.063 2.063 4.106 0.566 4.813 2.397 2.836 2.397 2.836 2.186 2.387 0.391 4.965 6.005 1.776 1.084 0.511 2.578 3.616 0.511 2.576 4.437 3.616 6.051	97 P10 EM P20 EM P10 EM	01_EM	02_EM 3.213 3.223 5.263 4.014 4.059 9.057 5.263 4.014 5.257 5.263 4.014 5.257 5.263 4.014 5.257 5.263 6.057 5.265 6.057 5.265 6.057 5.265 6.057 5.265 6.057 5.265 6.057 5.265
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_5' AS_6' AS_7' AS_8' AS_8' C_1' C_2' C_3' C_5' C_5' C_6' C_7' C_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 1.634 0.585 1.083 0.458 1.668 1.454 2.267 1.500 0.901 4.158 0.901 3.746 3.7	4 FZ_EM 1.895 1.079 2.148 1.113 1.997 2.225 2.769 2.080 2.870 1.298 0.095 4.153 3.715 2.596 2.905 2.905 1.059 0.296 0.29	1.529 1.378 2.479 2.005 1.990 3.549 1.471 2.464 1.127 1.224 4.345 2.074 2.114 2.183 3.330 0.788 1.473 0.672 3.326 1.400 1.563 0.824 1.395 0.908	124 F4 FM F4	F7_EM 2.788 1.728 2.044 1.640 3.247 1.703 1.885 2.405 2.121 1.503 2.503 3.697 4.258 4.606 0.798 2.676 2.463 5.706 1.447 1.734 1.734 1.734 1.734 1.734	F8_EM 3.333 0.726 4.258 2.413 5.172 3.990 3.696 1.854 2.437 3.759 5.143 1.143 3.698 2.447 3.238 2.734 1.782 4.362 5.612	11 Fz_EM 1.930 1.095 4.248 1.095 4.248 1.686 1.830 1.085 3.210 1.086 1.222 0.050 1.086 1.222 0.050 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.222 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.086 1.223 1.283 1.2	53 M P3_EM C P	87 P4 EM 1.290 0.598 3.658 3.658 2.791 1.604 0.217 0.217 0.217 0.738 0.567 0.738 0.567 0.738 0.7	59 P7_EM 1.941 3.544 0.474 4.261 2.644 2.121 1.071 3.020 1.167 4.784 3.194 1.757 2.437 7.804 0.440 2.541 0.440 0.537 7.804 0.440 0.537 0.440 0.541 0.440 0.541 0.5	92 P8_EM 2.026 3.251 1.597 4.4851 4.510 2.230 4.445 2.405 4.445 1.570 3.661 3.612 2.238 0.101 3.661 3.750 3.816 3.750 3.816 5.007 2.550 5.057	PO2_EM 1.732 2.870 0.424 2.391 2.030 2.576 4.246 4.537 4.216 0.901 0.844 0.282 0.211 2.246 1.350 2.185 3.173 4.474 5.731 1.759 0.149 1.093 1.760 0.184 0.502	PO3_EM 1.533 3.632 1.091 1.533 3.632 1.091 2.013 1.091 2.013 1.091 2.013 4.401 1.031 4.401 1.031 4.401 1.031 4.2614 1.113 3.251 5.638 0.408 3.156 6.0408 3.156 0.408 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 3.223 1.244 1.244 1.244 3.223 1.244 1.2	86 PO4_EM 2.957 1.772 0.344 4.070 1.286 5.511 4.281 1.227 3.648 2.495 3.661 1.470 1.531 2.950 4.030 1.566 1.122 1.674 1.991 3.2841 3.343 2.191 2.060 0.224 0.735	P9_EM 2.063 4.106 0.566 4.813 1.963 2.397 2.836 2.387 2.186 2.380 2.391 4.965 6.005 1.776 1.084 3.876 7.290 3.616 0.511 2.576 1.457 2.438 0.877	97 P10 EM 2.270 2.011 1.190 5.914 2.681 2.021 2.021 4.585 2.469 0.506 1.528 0.255 1.732 3.400 7.244 3.234 1.126 2.659 3.258 5.258 3.258 5.458 3.458 5.456 5.	01_EM 2.868 0.434 4.969 4.969 2.945 3.406 0.352 4.439 0.893 1.917 2.384 0.269 4.898 4.298 1.896 4.052	02_EM 3.213 4.969 0.373 5.263 4.014 3.743 0.979 3.525 1.515 1.384 3.594 0.161 0.161 0.1766 3.420 5.920 0.173 3.928 2.188 6.052 0.4175

TABLE III (continued)

Fear-Sad Aligned Fig.Fs Fg.Fs Fa.Fs Fa.Fs Fa.Fs Fa.Fs Fg.Fs Fa.Fs	3.225 1.541 1.110 3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	3.225 1.541 1.110 3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257	72 01_FS 4.375 5.032 0.472 3.839 5.378 2.682 3.663 0.367 3.368 0.999 2.457 2.183	77 O2_FS 4.210 3.564 0.401 5.669 2.738 3.755 0.988 3.139 1.433 1.529
AD_2* ADHD 0.549 1.161 1.003 1.138 1.109 0.828 1.174 2.043 0.368 3.384 2.021 1.981 3.487 1.109 3.874 AD_3* ADHD 3.343 2.358 2.430 2.321 2.016 4.128 7.000 1.42 0.377 0.556 1.560 0.469 1.306 0.360 0.574 AD_4* ADHD 1.000 1.193 2.203 1.150 1.475 1.460 4.366 2.987 1.876 4.435 4.993 AD_5* ADHD 1.000 1.193 2.203 1.151 1.704 2.291 0.209 1.574 1.878 2.309 4.882 1.718 2.259 1.210 2.101 AD_6* ADHD 1.455 2.981 2.289 4.414 3.873 2.534 1.459 1.451 2.581 2.357 2.227 1.593 4.960 5.142 3.419 AD_7* ADHD 1.455 2.494 5.375 3.716 1.763 4.182 1.466 1.563 3.309 3.689 4.394 3.493 3.687 4.805 3.925 AD_8* ADHD 1.413 2.458 1.448 2.579 2.060 3.986 2.025 1.811 1.409 0.927 4.550 0.570 1.254 1.071 1.154 AD_9* ADHD 2.745 3.004 2.740 2.516 2.187 1.152 1.152 2.261 2.261 2.203 2.989 3.98 1.181 2.287 2.287 ALISM ALIS	1.541 1.110 3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	1.541 1.110 3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257	5.032 0.472 3.839 5.378 2.682 3.663 0.367 3.368 0.999 2.457	3.564 0.401 5.669 2.738 3.755 0.988 3.139 1.433
AD_3' ADHD 3.343 2.358 2.430 2.321 2.016 4.128 4.796 0.142 0.377 0.556 1.560 0.469 1.306 0.360 0.574 AD_4' ADHD 1.000 1.193 2.203 1.150 1.475 1.460 4.366 2.987 1.876 4.435 4.993 AD_5' ADHD 0.476 1.763 0.601 1.511 1.704 2.291 0.209 1.575 1.460 4.366 2.987 1.876 4.435 4.993 AD_6' ADHD 1.455 2.981 2.289 4.414 3.873 2.634 1.459 1.941 2.581 2.357 2.227 1.593 4.960 5.142 3.419 AD_7' ADHD 2.494 5.375 3.716 1.763 4.182 1.466 1.563 3.309 3.689 4.394 3.493 3.687 4.805 3.925 AD_8' ADHD 1.413 2.458 1.448 2.579 2.060 3.986 2.025 1.811 1.409 0.927 4.550 0.570 1.254 1.071 1.154 AD_9' ADHD 2.745 3.004 2.740 2.516 2.187 1.524 2.261 1.009 2.073 2.956 3.037 3.370 4.524 AD_8' AUTISM 2.488 1.484 1.596 2.482 2.051 1.936 2.486 1.631 1.241 2.999 0.989 1.181 2.287 2.763 AS_2' Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.996 2.460 1.123 3.988 1.722 1.177 4.704 3.531 2.203 AS_3' Autism 0.859 0.097 1.014 0.878 1.557 2.233 1.004 0.695 0.212 1.813 2.378 0.250 1.098 1.181 2.793 2.364 AS_3' Autism 3.954 4.325 4.018 0.878 1.557 2.233 1.004 0.695 0.212 1.813 2.378 0.250 1.098 1.181 0.376 AS_3' Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_5' Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_5' Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 4.419 3.067 2.203 3.444 4.488 AS_5' Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 4.419 3.067 2.203 3.444 4.488 AS_5' Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 4.419 3.067 2.203 3.444 4.488 AS_5' Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 4.419 3.067 1.424 2.889 1.024 2.144	1.110 3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257	0.472 3.839 5.378 2.682 3.663 0.367 3.368 0.999 2.457	0.401 5.669 2.738 3.755 0.988 3.139 1.433
AD_4' ADHD 1.000 1.193 2.203	3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257	3.839 5.378 2.682 3.663 0.367 3.368 0.999 2.457	5.669 2.738 3.755 0.988 3.139 1.433
AD_5' ADHD 0.476 1.763 0.601 1.511 1.704 2.291 0.209 1.574 1.878 2.309 4.882 1.718 2.259 1.210 2.101 AD_6' ADHD 1.455 2.981 2.289 4.444 3.873 2.634 1.459 1.941 2.581 2.357 2.227 1.593 4.960 5.142 3.439 AD_7' ADHD 2.494 5.375 3.716 1.763 4.182 1.466 1.583 3.309 3.808 4.389 3.384 3.489 3.687 4.805 3.925 AD_8' ADHD 1.413 2.458 1.448 2.579 2.060 3.986 2.025 1.811 1.409 0.927 4.550 0.570 1.254 1.071 1.154 AD_9' ADHD 2.745 3.004 2.740 2.516 2.187 1.542 2.261 2.073 2.956 3.037 3.370 4.524 AS_1' Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.936 2.460 1.123 3.988 1.722 1.177 4.704 3.531 2.203 AS_2' Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.936 2.460 1.123 3.988 1.722 1.177 4.704 3.531 2.203 AS_3' Autism 0.859 0.097 1.014 0.878 1.557 2.233 1.004 0.695 0.212 1.813 2.378 0.250 1.098 1.537 2.364 AS_5' Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.628 8.378 AS_6' Autism 0.3067 2.200 3.972 4.446	3.370 1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	1.821 6.110 4.757 1.956 1.128 1.641 0.257	5.378 2.682 3.663 0.367 3.368 0.999 2.457	2.738 3.755 0.988 3.139 1.433
AD_6 ADHD 1.455 2.981 2.289 4.414 3.873 2.634 1.459 1.941 2.581 2.357 2.227 1.593 4.960 5.142 3.419 AD_7 ADHD 2.494 5.375 3.716 1.763 4.182 1.466 1.563 3.309 3.689 4.394 3.493 3.687 4.805 3.925 AD_8 ADHD 1.413 2.458 1.448 2.579 2.060 3.986 2.025 1.811 1.409 0.927 4.550 0.570 1.254 1.071 1.154 AD_9 ADHD 2.745 3.004 2.740 2.516 2.187	1.821 6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	1.821 6.110 4.757 1.956 1.128 1.641 0.257	2.682 3.663 0.367 3.368 0.999 2.457	2.738 3.755 0.988 3.139 1.433
AD_7 ADHD 1.413 2.458 1.448 2.579 2.060 3.966 2.187 1.542 2.261 2.073 2.956 3.037 3.370 4.524 1.542 2.661 2.67 2.661 2.67 2.67 2.67 2.67 2.67 2.67 2.67 2.67	6.110 4.757 1.956 1.128 1.641 0.257 1.687 3.903	6.110 4.757 1.956 1.128 1.641 0.257	3.663 0.367 3.368 0.999 2.457	3.755 0.988 3.139 1.433
AD_8' ADHD 1.413 2.458 1.448 2.579 2.060 3.986 2.025 1.811 1.409 0.927 4.550 0.570 1.254 1.071 1.154 AD_9' ADHD 2.745 3.004 2.740 2.516 2.187 1.542 2.261 2.073 2.956 3.037 3.370 4.524 AS_1' Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.936 2.460 1.123 3.988 1.621 1.241 2.999 0.989 1.181 2.287 2.763 AS_2' Autism 0.689 0.097 1.014 0.878 1.557 2.233 1.004 0.695 0.212 1.813 2.378 0.250 1.098 1.537 2.364 AS_3' Autism 3.954 4.325 4.018 6.188 2.173 4.029 0.839 0.093 3.30 0.099 0.098	1.128 1.641 0.257 1.687 3.903	4.757 1.956 1.128 1.641 0.257	0.367 3.368 0.999 2.457	0.988 3.139 1.433
AD 9' ADHD 2.745 3.004 2.740 2.516 2.187	1.956 1.128 1.641 0.257 1.687 3.903	1.956 1.128 1.641 0.257	3.368 0.999 2.457	3.139 1.433
AS_1* Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.936 2.460 1.123 3.888 1.722 1.171 4.704 3.531 2.203 AS_3* Autism 0.859 0.097 1.014 0.878 1.557 2.233 1.004 0.695 0.212 1.813 2.237 0.250 1.098 1.531 2.203 AS_4* Autism 3.954 4.325 4.018 6.188 2.173 4.029 0.483 0.059 0.333 0.092 0.270 0.465 1.881 0.376 AS_5* Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_5* Autism 1.131 2.719 2.166 3.405 2.157 1.548 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_5* Autism	1.128 1.641 0.257 1.687 3.903	1.128 1.641 0.257	0.999 2.457	1.433
AS_2* Autism 1.648 1.540 1.343 1.196 2.482 2.051 1.936 2.460 1.123 3.988 1.722 1.177 4.704 3.531 2.203 AS_3* Autism 0.859 0.097 1.014 0.878 1.557 2.233 1.004 0.665 0.212 1.813 2.378 0.250 1.098 1.537 2.364 AS_4* Autism 3.954 4.325 4.018 6.188 2.173 4.029 0.483 0.059 0.333 0.092 0.270 0.465 1.881 0.376 AS_5* Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_5* Autism 1.311 2.719 2.166 3.405 2.157 1.548 3.180 3.245 4.305 1.435 4.412 4.638 6.991 AS_7* Autism 0.921 2.005 2.983 3.161 4.605 5.143 3.210 4.428 8.378 AS_6* Autism 3.067 2.220 3.972 4.446 6.872 2.527 1.668 0.491 1.761 3.817 1.823 2.889 1.024 2.144	1.128 1.641 0.257 1.687 3.903	1.641 0.257	2.457	
AS_4* Autism 3.954 4.325 4.018 6.188 2.173 4.029 0.483 0.059 0.333 0.092 0.270 0.465 1.881 0.376 AS_5* Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_6* Autism 1.131 2.719 2.166 3.405 2.157 1.548 3.180 3.245 4.305 1.435 4.412 4.638 6.991 AS_7* Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 AS_8* Autism 3.067 2.920 3.972 4.446 6.872 2.527 1.668 0.491 1.761 3.817 1.823 2.889 1.024 2.144	0.257 1.687 3.903	0.257	2.183	1.529
AS_5' Autism 5.718 4.793 2.197 2.789 4.941 3.852 3.838 1.854 2.335 4.641 4.419 3.087 3.062 3.247 4.888 AS_6' Autism 1.311 2.719 2.166 3.405 2.157 1.548 3.180 3.245 4.305 1.435 4.412 4.638 6.991 AS_7' Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.42 8.378 AS_8' Autism 3.067 2.920 3.972 4.446 6.872 2.527 1.668 0.491 1.761 3.817 1.823 2.889 1.024 2.144	1.687 3.903			3.618
AS_6' Autism 1.131 2.719 2.166 3.405 2.157 1.548 3.180 3.245 4.305 1.435 4.412 4.638 6.991 4.57 Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 8.378 4.005	3.903	1 607	0.301	0.164
A5_7 Autism 0.921 2.005 2.983 3.161 4.606 5.143 3.210 4.462 8.378 8.076 8.588 Autism 3.067 2.920 3.972 4.446 8.6872 2.527 1.668 0.491 1.761 3.817 1.823 2.889 1.024 2.144			5.127	
A5 8' Autism 3.067 2.920 3.972 4.446 6.872 2.527 1.668 0.491 1.761 3.817 1.823 2.889 1.024 2.144			4.883	6.748
	7.244			
A3_5 Autism 0.535 1.441 0.759 1.657 1.126 1.578 1.143 1.547 0.955 2.055 1.246 3.200 1.975 1.176 1.127			2.012	1.416
AS_10' Autism 1.358 0.966 1.620 1.157 2.960 3.813 1.346 4.068 1.078 3.931 5.291 1.820 3.818	1.960 2.793		2.320 4.228	2.680 5.979
A3_U Autism 1.338 0.966 1.620 1.157 2.960 3.815 1.396 4.068 1.078 3.931 5.291 1.620 3.818 C1* Control 0.742 0.292 0.988 6.332 2.031 1.927 0.046 1.379 1.599 3.559 6.942 6.810 1.751 7.564	3.804		4.226	5.979
C.2' Control 0.497 0.252 0.386 5.332 2.031 1.927 0.046 1.379 1.397 1.397 5.339 6.342 6.831 1.731 7.304 C.2' Control 0.497 0.316 3.827 1.896 4.655 3.400 0.684 0.898 1.751 3.129 1.853 3.077 4.067 4.040	6.120			3.926
C.3' Control 1.775 2.052 1.837 3.443 1.796 7.002 1.417 0.554 0.412 0.671 2.682 0.223 0.579 3.764 0.705			0.510	0.241
C_4' Control 1.041 1.200 1.430 1.186 1.512 2.255 0.949 2.161 0.926 2.581 1.566 1.394 1.156 3.331 2.544	3.913		3.097	3.390
C_5' Control 0.726 1.796 0.861 2.080 1.315 2.039 1.376 0.857 0.598 1.339 2.151 2.186 1.130 2.539 1.447			2.055	2.284
C_6' Control 2.117 1.874 1.665 3.004 4.525 5.648 1.663 1.787 2.110 6.170 1.438 2.875 2.221 2.767	1.931	1.931	2.625	4.925
C_7' Control 0.598 0.971 0.804 2.172 1.442 3.492 0.727 0.601 0.760 0.694 1.046 0.195 0.642 0.241 0.894	1.242	1.242	0.835	0.756
C_8' Control 1.556 1.549 2.187 1.355 0.425 1.405 1.680 0.539 1.401 0.785 0.947			1.155	1.249
C_9' Control 2.617 4.559 3.874 4.715 4.629 2.802 1.652 0.023 2.677 2.193 0.883 2.481 0.024 6.054			1.215	1.392
C_10' Control 1.306 0.581 1.124 0.695 2.480 3.043 2.052 0.452 0.566 0.807 1.500 0.067 0.491 0.587 1.841			0.878	0.746
C_11' Control 2.593 3.250 3.865 2.750 4.459 3.650 4.489 6.041 5.679 6.842 4.247 7.509	7.124			
Gender All Aligned 20 4 25 124 34 122 11 53 87 59 92 68 60 86 58 F1_GE F2_GE F3_GE F4_GE F7_GE F8_GE F2_GE P3_GE P4_GE P7_GE P8_GE P02_GE P04_GE P9_GE	97		72 01_GE	77 O2_GE
H_GE F2_GE F3_GE F4_GE F7_GE F8_GE F2_GE P3_GE P4_GE P	4.472	P10_GE 4.472	5.452	5.708
AD 2' ADHD 0.641 0.786 0.992 0.885 1.427 0.680 0.719 1.908 1.116 2.567 2.729 4.534 2.745 1.859 2.778	3.208		5.656	4.379
AD 3' ADHD 2.999 1.579 2.445 1.449 2.397 3.564 0.180 0.599 0.914 1.034 0.673 1.187 0.636 0.878			0.836	0.769
AD_4' ADHD 1.048 1.935 1.328 1.192 1.835 1.678 4.278 6.280 5.051 1.928 6.018			4.085	
AD_5' ADHD 0.390 2.289 0.593 1.796 1.390 1.931 0.193 1.743 0.732 1.866 2.671 0.958 2.560 1.125 1.626			3.953	4.735
AD_6' ADHD 1.176 1.461 1.292 1.933 3.216 2.746 1.234 1.023 1.213 1.204 2.002 2.019 4.850 2.023 1.927		1.855	2.415	2.397
AD_T' ADHD 1.834 3.344 2.563 1.854 2.812 3.027 1.185 3.131 3.936 5.953 2.857 3.886 4.414 4.038			3.678	4.289
AD_8' ADHO 1.516 2.154 1.562 2.224 1.896 3.687 1.624 1.211 1.112 0.596 4.136 0.461 0.774 0.916 0.826			0.291	1.079
AD_9' ADHD 1.821 3.105 2.551 2.545 2.013 4.110 1.206 1.967 2.754 1.893 1.603 1.610 2.635 3.335 AS 1' Autism 1.945 1.901 2.038 3.805 1.556 1.914 2.371 3.701		1.770	2.194	2.343
AS_1 Autism 1.945 1.901 2.038 3.805 1.550 1.914 2.371 3.701		1 216	1.940	
AS 2' Autism 2.317 1.498 1.228 1.241 3.769 2.060 1.560 1.886 1.346 2.822 1.907 1.783 3.801 4.167 2.203		1.226		1.281
AS_2' Autism 2.317 1.498 1.228 1.241 3.769 2.060 1.560 1.886 1.346 2.822 1.907 1.783 3.801 4.167 2.203 AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231	1.226		1.699	1.281 2.535
			1.699 0.279	
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231	0.203	0.203		2.535
A5_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380	0.203 1.506	0.203 1.506	0.279	2.535 0.200
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.828 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.227 0.861 5.297 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.999 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634	0.203 1.506 4.167 5.966	0.203 1.506 4.167 5.966	0.279 2.744 3.406	2.535 0.200 5.052 5.707
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.052 2.461 1.227 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.990 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_6' Autism 3.361 2.809 4.450 2.564 1.095 1.893 1.693 5.187 1.444 1.961 3.087 2.766	0.203 1.506 4.167 5.966 6.474	0.203 1.506 4.167 5.966 6.474	0.279 2.744 3.406 1.934	2.535 0.200 5.052 5.707 2.237
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.270 0.851 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.990 1.645 3.453 3.707 4.343 1.467 3.106 4.365 3.453 3.707 Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 3.453 3.707 4.343 1.467 3.106 4.365 3.453 3.707 4.343 3.707 4	0.203 1.506 4.167 5.966 6.474 1.969	0.203 1.506 4.167 5.966 6.474 1.969	0.279 2.744 3.406 1.934 5.092	2.535 0.200 5.052 5.707 2.237 5.948
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.033 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.599 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.305 5.634 AS_8' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.088 0.912 1.1045 3.642 2.119 0.720 3.330 2.077 1.111 AS_10' Autism 1.546 0.868 1.632 1.104 2.480 3.500 1.375 3.433 0.893 6.196 3.659 4.062 2.886 3.269	0.203 1.506 4.167 5.966 6.474 1.969 1.987	0.203 1.506 4.167 5.966 6.474 1.969 1.987	0.279 2.744 3.406 1.934 5.092 3.129	2.535 0.200 5.052 5.707 2.237
AS_8' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.959 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_8' Autism 3.361 2.809 4.450 2.564 1.095 1.095 1.095 1.095 1.893 1.693 5.187 1.444 1.961 3.087 2.766 AS_8' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.088 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.868 1.632 1.104 2.480 3.500 1.375 3.433 0.893 6.196 3.269 4.062 2.836 3.269 C_1' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.067 0.542 1.177 3.913 2.706 2.044 1.43 5.875	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021	0.279 2.744 3.406 1.934 5.092	2.535 0.200 5.052 5.707 2.237 5.948 4.020
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.270 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.999 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_5' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.868 1.632 1.104 2.480 3.500 1.375 3.433 0.893 6.196 3.269 4.062 C_1' Control 0.217 0.194 0.285 1.721 2.884 2.390 0.067 0.786 1.192 2.310 1.081 2.394 2.272 3.420	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139	0.279 2.744 3.406 1.934 5.092 3.129 4.554	2.535 0.200 5.052 5.707 2.237 5.948 4.020
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.033 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.052 2.461 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_5' Autism 0.980 1.819 2.152 3.135 1.990 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_8' Autism 3.361 2.809 4.450 2.564 1.095 1.893 1.693 5.187 1.444 1.961 3.087 2.766 AS_5' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.462 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.688 1.632 1.104 2.480 3.500 1.375 3.330 0.893 6.196 3.269 4.062 2.836 3.269 C_1' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.057 0.542 1.177 3.913 2.706 2.044 1.443 5.875 C_2' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.057 0.542 1.177 3.913 2.706 2.044 1.443 5.875 C_2' Control 0.216 0.220 2.242 1.466 5.361 3.658 0.497 0.786 1.192 2.310 0.720 0.305 1.660 0.366	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009	0.279 2.744 3.406 1.934 5.092 3.129 4.554	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.0028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.959 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_8' Autism 3.361 2.809 4.450 2.564 1.095 1.893 1.693 5.187 1.444 1.961 3.087 2.766 AS_9' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.868 1.632 1.104 2.480 3.500 1.375 3.433 0.893 6.196 3.269 4.062 C_1' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.067 0.542 1.177 3.913 2.706 2.044 1.443 5.875 C_2' Control 0.296 0.210 2.242 1.466 5.361 3.658 0.497 0.786 1.192 2.310 1.081 2.394 2.272 3.420 C_3' Control 1.351 2.421 1.508 3.656 1.756 4.119 1.259 0.319 0.225 0.302 0.790 0.067 0.305 1.660 0.366 0	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201	0.279 2.744 3.406 1.934 5.092 3.129 4.554 0.192 4.381	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898
AS_3'	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849	0.279 2.744 3.406 1.934 5.092 3.129 4.554	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898 1.465
AS_3'	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474	0.279 2.744 3.406 1.934 5.092 3.129 4.554 0.192 4.381	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898
AS_3'	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474 2.491	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474 2.491	0.279 2.744 3.406 1.934 5.092 3.129 4.554 0.192 4.381 1.315	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898 1.465 6.539
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.093 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.616 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 1.0980 1.819 2.152 3.135 1.999 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_7' Autism 1.049 2.315 1.980 3.263 3.274 5.104 2.957 5.310 5.634 AS_8' Autism 3.361 2.809 4.450 2.564 1.095 1.893 1.693 5.187 1.444 1.961 3.087 2.766 AS_9' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.888 1.632 1.104 2.480 3.500 1.375 3.433 0.883 6.196 3.269 4.062 2.836 3.269 C_1' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.067 0.542 1.177 3.913 2.706 2.044 1.443 5.875 C_2' Control 0.296 0.210 2.242 1.466 5.361 3.658 0.497 0.786 1.192 2.310 1.081 2.394 2.272 3.420 C_3' Control 1.351 2.421 1.508 3.656 1.756 4.119 1.299 0.255 0.302 0.790 0.067 0.305 1.660 0.366 C_4' Control 1.111 1.039 1.271 1.321 1.410 2.551 0.851 1.132 1.245 4.272 1.832 1.551 2.047 2.653 4.268 C_5' Control 0.566 0.936 0.774 1.160 1.013 1.573 0.901 0.760 2.422 1.184 1.728 0.863 0.987 3.716 1.212 C_6' Control 1.556 1.914 1.264 2.763 3.687 5.386 1.608 1.697 0.194 0.791 1.400 0.279 0.778 0.527 0.841 C_8' Control 1.260 4.176 3.388 4.176 4.551 2.722 2.7177 0.065 2.581 2.678 0.791 2.427 0.026	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 3.201 1.849 2.474 4.724 4.712	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474 2.491 4.724 4.112	0.279 2.744 3.406 1.934 5.092 3.129 4.554 0.192 4.381 1.315 0.448 0.931	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898 1.465 6.539 0.801 0.884 1.281
AS_3' Autism 1.032 0.040 0.722 0.571 1.584 2.491 0.902 0.502 0.003 1.591 1.523 0.160 0.613 1.122 2.231 AS_4' Autism 1.421 1.452 1.838 2.118 1.122 2.249 0.316 0.028 0.357 0.100 0.241 0.282 0.629 0.380 AS_5' Autism 1.988 2.125 1.944 1.557 2.962 2.052 2.461 1.277 0.861 5.297 1.722 1.770 2.572 2.508 5.582 AS_6' Autism 0.980 1.819 2.152 3.135 1.999 1.645 3.453 3.707 4.343 1.467 3.106 4.365 AS_5' Autism 1.049 2.315 1.890 3.263 3.274 5.104 2.957 5.305 5.634 AS_8' Autism 0.614 1.101 0.756 1.062 0.966 1.114 1.068 0.912 1.045 3.642 2.119 0.720 3.330 2.017 1.111 AS_10' Autism 1.546 0.888 1.632 1.104 2.480 3.500 1.375 3.330 0.893 6.196 3.269 4.062 2.836 3.269 C_1' Control 0.217 0.194 0.285 1.721 2.854 2.390 0.057 0.542 1.177 3.913 2.706 2.044 1.433 5.875 C_2' Control 0.296 0.210 2.242 1.466 5.361 3.658 0.497 0.786 1.192 2.310 1.081 2.394 2.272 3.420 C_3' Control 1.151 2.421 1.508 3.656 1.756 4.119 1.269 0.319 0.225 0.302 0.790 0.057 0.305 1.660 0.366 C_4' Control 0.666 0.396 0.74 1.160 1.013 1.573 0.901 0.70 2.422 1.184 1.184 1.289 8.88 3.983 3.151 2.427 1.184 1.269 2.563 4.268 C_5' Control 0.666 0.396 0.744 1.160 1.013 1.573 0.901 0.057 0.242 1.1184 1.128 0.863 9.893 3.161 2.289 2.267 C_6' Control 1.551 2.421 1.508 3.656 1.756 4.119 1.269 0.319 0.225 0.302 0.790 0.057 0.305 1.660 0.366 C_5' Control 0.666 0.396 0.744 1.160 1.013 1.573 0.901 0.057 0.242 1.184 1.128 0.863 9.893 3.716 1.212 C_6' Control 1.727 1.456 2.024 3.353 2.173 0.901 0.657 0.350 0.739 1.400 0.279 0.778 0.527 0.841 C_8' Control 1.727 1.456 2.024 3.351 2.173 0.902 0.587 0.799 1.194 0.791 1.400 0.279 0.778 0.527 0.841	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 3.201 1.849 2.474 4.724 4.712	0.203 1.506 4.167 5.966 6.474 1.969 1.987 3.021 4.139 1.009 3.201 1.849 2.474 4.724 4.112	0.279 2.744 3.406 1.934 5.092 3.129 4.554 0.192 4.381 1.315 0.448 0.931	2.535 0.200 5.052 5.707 2.237 5.948 4.020 2.347 0.084 4.898 1.465 6.539 0.801

TABLE III (continued)

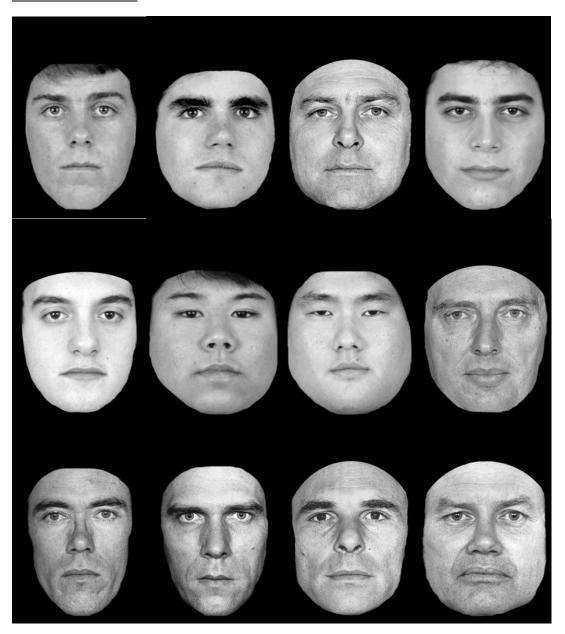
		20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
Anger-Disgust U	naligned	F1_AD	F2_AD	F3_AD	F4_AD	F7_AD	F8_AD	Fz_AD	P3_AD	P4_AD	P7_AD	P8_AD	POz_AD	PO3_AD	PO4_AD	P9_AD	P10_AD	01_AD	O2_AD
AD_1'	ADHD	0.098	0.148	0.169	0.164	0.304	0.489	0.085	0.194	0.283	0.394	0.437	1.108	0.657	0.768	0.338	0.326	2.124	1.416
AD_2'	ADHD	0.143	0.093	0.474	0.098	0.787	0.121	0.103	0.349	0.338	0.611	0.745	0.509	0.648	0.480	0.663	0.482	0.959	1.035
AD_3'	ADHD	0.484	0.247	0.269	0.216	0.267	0.282	0.637	0.012	0.051	0.075	0.167	0.124	0.171	0.063	0.097	0.090	0.128	0.099
AD_4'	ADHD	0.052	0.136	0.135	0.250	0.000	0.220	0.072	0.236	0.132	0.909	0.649	0.314	0.219	0.532	0.400	0.409	1.670	0.502
AD_5' AD 6'	ADHD ADHD	0.127	0.584	0.102	0.350 0.154	0.093	0.220	0.060	0.252	0.452	0.267	0.402	0.122 0.850	0.223	0.125 0.483	0.199	0.119 0.316	0.443	0.502 0.710
AD_6 AD 7'	ADHD	0.479	1.700	0.505	2.929	0.252		0.133	1.217	2.558	3.227	3.648	3.013	3.141	3.331	3.324	0.316	3.390	3.674
AD 8'	ADHD	0.813	0.761	0.791	0.736	0.884	0.823	0.864	0.502	0.274	0.692	2.561	0.267	0.415	0.600	0.743	2.366	0.172	0.234
AD 9'	ADHD	0.132	1.595	0.206	0.234	0.323	0.020		0.273	0.457	1.518	0.785	1.028	1.177	0.747	0.733	0.641	1.269	1.087
AS_1'	Autism								0.717	0.609	0.350	1.262	0.777	0.374	0.896	1.411		0.645	2.087
AS_2'	Autism	0.051	0.046	0.056	0.052	0.068	0.086	0.064	0.072	0.046	0.142	0.115	0.126	0.302	0.132	0.184	0.081	0.153	0.131
AS_3'	Autism	0.170	0.010	0.493	0.059	0.087	0.139	0.060	0.097	0.021	0.228	0.268	0.031	0.277	0.349	0.275	0.180	0.237	0.243
AS_4'	Autism	2.470	1.384	2.486		2.030		1.568	0.310	0.036	0.286	0.022	0.113	0.267	0.300	0.328	0.203	0.168	0.076
AS_5'	Autism	0.305	0.221	0.385	0.259	0.603	0.434	0.215	0.393	0.318		0.519	0.285	0.371	0.313		0.331		
AS_6'	Autism	0.146	0.243	0.399		0.470		0.356	0.169	0.315	0.318	0.358	0.114	0.301	0.518	0.978	0.301	0.329	0.561
AS_7'	Autism	2.059	3.782		4.719		3.668	3.710	3.690		3.431		2.303	3.836		3.020		6.807	6.292
AS_8'	Autism	0.472	0.447	0.344	0.473	0.130	0.890	0.307	0.182	0.028	0.087	0.073	0.081	0.212	0.047	0.138	0.155	0.115	0.109
AS_9'	Autism Autism	0.077 0.122	0.139	0.139	0.126	0.128	0.114	0.179 0.217	0.020 2.210	0.096 0.118	0.392	0.169	0.388 3.212	0.374	0.148	0.055	0.154	0.580 1.157	0.660 1.120
AS_10' C 1'	Control	0.122	0.207	0.278	0.300	0.408	0.409	0.217	0.164	0.118	1.243	0.400	0.682	1.661 0.893	0.253	1.187	0.094	1.15/	1.120
C 2'	Control	0.043	0.040	0.685	0.277	0.303	0.409	0.004	0.164	0.162	0.376	0.203	0.351	0.893	0.450	0.534	0.900		0.458
C_2	Control	0.152	0.007	0.164	0.397	0.165	0.357	0.105	0.033	0.102	0.040	0.368	0.015	0.030	0.430	0.069	0.330	0.034	0.438
C_4'	Control	0.139	0.116	0.112	0.115	0.112	0.242	0.136	0.220	0.086	0.166	0.202	0.654	0.422	0.226	0.229	0.286	0.412	0.533
C_5'	Control	0.113	0.352	0.164	0.489	0.353	0.504	0.231	0.090	0.174	0.113	0.618	0.189	0.053	0.394	0.157	0.503	0.326	0.383
C_6'	Control	0.264	0.308	0.081	0.436	0.301	0.386	0.090	0.273	0.222	0.555	0.984	0.292	0.431	0.265	0.159	0.265	0.631	0.943
C_7'	Control	0.059	0.142	0.054	0.151	0.101		0.061	0.030	0.117	0.028	0.249	0.019	0.027	0.032	0.024	0.279	0.021	0.049
C_8'	Control	1.008	0.195	1.161	0.222	0.270	0.772	0.127	0.147	0.033	0.146	0.203	0.048	0.156	0.046	0.110	0.765	0.103	0.107
C_9'	Control	0.110	0.569	0.126	0.586	0.177		0.317	0.199	0.003	0.317	0.232	0.068	0.362	0.002		0.330	0.110	0.109
C_10'	Control	0.093	0.120	0.072	0.173	0.587	0.290	0.122	0.077	0.115	0.126	0.317	0.012	0.080	0.129	0.251	0.545	0.141	0.108
C_11'	Control	0.326	0.309	0.518	0.279	0.899	0.351	0.258	0.778	0.628	1.509	0.661	0.765		0.779		0.636		
		_																	
Emotion All Un	aligned	20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
		20 F1_EM	4 F2_EM	F3_EM	F4_EM	F7_EM	F8_EM	Fz_EM	53 P3_EM	87 P4_EM	59 P7_EM	92 P8_EM	68 POz_EM	PO3_EM	PO4_EM	P9_EM	97 P10_EM	01_EM	O2_EM
AD_1'	ADHD	20 F1_EM 0.095	4 F2_EM 0.045	F3_EM 0.220	F4_EM 0.055	F7_EM 0.166	F8_EM 0.239	Fz_EM 0.057	53 P3_EM 0.209	87 P4_EM 0.361	59 P7_EM 0.305	92 P8_EM 0.557	68 POz_EM 1.186	PO3_EM 0.627	PO4_EM 0.958	P9_EM 0.172	97 P10_EM 0.281		O2_EM 2.021
AD_1' AD_2'	ADHD ADHD	20 F1_EM 0.095 0.104	4 F2_EM 0.045 0.084	F3_EM 0.220 0.261	F4_EM 0.055 0.092	F7_EM 0.166 0.360	F8_EM 0.239 0.074	Fz_EM 0.057 0.090	53 P3_EM 0.209 0.176	87 P4_EM 0.361 0.127	59 P7_EM 0.305 0.328	92 P8_EM 0.557 0.306	68 POz_EM 1.186 0.338	PO3_EM 0.627 0.346	PO4_EM 0.958 0.173	P9_EM 0.172 0.368	97 P10_EM 0.281 0.256	01_EM 2.830	02_EM 2.021 0.500
AD_1'	ADHD	20 F1_EM 0.095	4 F2_EM 0.045	F3_EM 0.220	F4_EM 0.055	F7_EM 0.166	F8_EM 0.239	Fz_EM 0.057	53 P3_EM 0.209	87 P4_EM 0.361	59 P7_EM 0.305	92 P8_EM 0.557	68 POz_EM 1.186	PO3_EM 0.627	PO4_EM 0.958	P9_EM 0.172	97 P10_EM 0.281	01_EM	O2_EM 2.021
AD_1' AD_2' AD_3'	ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350	4 F2_EM 0.045 0.084 0.207	F3_EM 0.220 0.261 0.137	F4_EM 0.055 0.092 0.112	F7_EM 0.166 0.360	0.239 0.074 0.290	Fz_EM 0.057 0.090 0.445	53 P3_EM 0.209 0.176 0.014	87 P4_EM 0.361 0.127 0.035	59 P7_EM 0.305 0.328 0.069	92 P8_EM 0.557 0.306 0.097	68 POz_EM 1.186 0.338 0.067	903_EM 0.627 0.346 0.088	0.958 0.173 0.042	P9_EM 0.172 0.368 0.073	97 P10_EM 0.281 0.256 0.074	O1_EM 2.830 0.079	02_EM 2.021 0.500
AD_1' AD_2' AD_3' AD_4'	ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042	4 F2_EM 0.045 0.084 0.207 0.065	0.220 0.261 0.137 0.067	F4_EM 0.055 0.092 0.112 0.321	F7_EM 0.166 0.360 0.117	F8_EM 0.239 0.074 0.290 0.299	72_EM 0.057 0.090 0.445 0.038	53 P3_EM 0.209 0.176 0.014 0.140	87 P4_EM 0.361 0.127 0.035 0.076	59 P7_EM 0.305 0.328 0.069 0.132	92 P8_EM 0.557 0.306 0.097 0.267	68 POz_EM 1.186 0.338 0.067 0.289	0.627 0.346 0.088 0.111	0.958 0.173 0.042 0.227	P9_EM 0.172 0.368 0.073 0.220	97 P10_EM 0.281 0.256 0.074 0.361	01_EM 2.830 0.079 0.912	02_EM 2.021 0.500 0.070
AD_1' AD_2' AD_3' AD_4' AD_5'	ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119	F4_EM 0.055 0.092 0.112 0.321 0.252	F7_EM 0.166 0.360 0.117 0.061	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093	53 P3_EM 0.209 0.176 0.014 0.140 0.154	87 P4_EM 0.361 0.127 0.035 0.076 0.173	59 P7_EM 0.305 0.328 0.069 0.132 0.084	92 P8_EM 0.557 0.306 0.097 0.267 0.217	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754	0.627 0.346 0.088 0.111 0.119	0.958 0.173 0.042 0.227 0.057	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170	97 P10_EM 0.281 0.256 0.074 0.361 0.178	01_EM 2.830 0.079 0.912 0.197 0.488 3.179	02_EM 2.021 0.500 0.070 0.223
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553	F7_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609	0.239 0.074 0.290 0.299 0.185 0.617	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189	0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.382	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970	77_EM 0.166 0.360 0.117 0.061 0.205 1.006	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274	PO4_EM 0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.382 0.910	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429	0.079 0.079 0.912 0.197 0.488 3.179 0.099	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508 0.146	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482	97_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136	PO4_EM 0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.382 0.910 0.522	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902	0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276	0.2 EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_6' AD_7' AD_8' AD_8' AD_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508 0.146	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482	F7_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298	78_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156	PO3_EM	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902	0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111	0.223 0.623 0.365 1.434 0.629 0.099
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978	F3_EM	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_4'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.049 0.010	F3_EM	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482 0.029	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041 0.092 0.340	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022	PO4_EM 0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.382 0.910 0.522 0.086 0.109 0.247	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049	0.223 0.623 0.365 1.434 0.629 0.099
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978	F3_EM	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107	78_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.049 0.010	F3_EM	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482 0.029	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151	F8_EM 0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041 0.092 0.340 0.210	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024 0.091	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.010 0.011 0.059	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485	92 P8_EM 0.557 0.306 0.997 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238	PO4_EM 0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.910 0.522 0.086 0.109 0.247 0.113	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028	97 P10_EM 0.281 0.256 0.074 0.361 0.478 0.429 2.810 0.902 0.054 0.067 0.019 0.100	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.176 0.043 0.049	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.096 0.067
AD 1' AD 2' AD 3' AD 4' AD 5' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 3' AS 4' AS 5' AS 6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.0978 0.049 0.010 0.331 0.194	F3_EM	F4_EM	F7_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173	F8_EM 0.239 0.074 0.290 0.290 0.185 0.617 2.868 0.558 0.076 0.133	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041 0.092 0.340 0.210 0.419	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024 0.091 0.069	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.010 0.011 0.059	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485	92 P8_EM 0.557 0.306 0.997 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238	PO4_EM 0.958 0.173 0.042 0.227 0.057 0.325 3.359 0.910 0.522 0.086 0.109 0.247 0.113	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.176 0.043 0.049	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.096 0.067
AD_1' AD_2' AD_3' AD_6' AD_6' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8' AS_9	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.053 0.212	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.010 0.010 0.331 0.194 0.116 0.676 0.202 0.202	F3_EM	F4_EM	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392	0.239 0.074 0.299 0.299 0.185 0.617 2.868 0.558 0.076 0.133	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041 0.092 0.340 0.210 0.419 0.129 0.045	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.024 0.091 0.069 1.459 0.104 0.0041	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.201 0.233 0.023 0.010 0.011 0.059 0.194	59 P7_EM 0.305 0.328 0.032 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485 0.273	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222 0.230	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.147 0.236 0.156 0.019 0.021 0.107 0.090	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 1.274 0.136 0.299 0.068 0.068 0.022 0.238 0.298	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.284 0.318	02_EM 2.021 0.500 0.700 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_5' AS_5' AS_5' AS_6' AS_7' AS_8' AS_9' AS_9' AS_10'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.053 0.212 0.183	4 F2_EM 0.045 0.084 0.207 0.665 0.426 0.138 1.839 0.544 0.978 0.010 0.331 0.194 0.116 0.676 0.202 0.077 0.162	F3_EM	F4_EM	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392	0.239 0.074 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204	Fz_EM 0.057 0.090 0.445 0.038 0.045 0.093 0.663 0.642 0.041 0.092 0.340 0.210 0.419 0.910 0.910 0.045	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.040 0.086 0.038 0.024 0.091 0.069 1.459 0.104 0.061	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011 0.059 0.194	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485 0.273	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222 0.230 0.124 0.057	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.090	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.026	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.284 0.318	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013
AD 1' AD 2' AD 3' AD 3' AD 5' AD 6' AD 7' AD 8' AD 9' AS 1' AS 5' AS 6' AS 7' AS 8' AS 8' AS 9' AS 10' C 1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.053 0.212 0.183 0.050 0.102 0.027	4 F2_EM 0.045 0.084 0.207 0.665 0.426 0.138 1.839 0.544 0.978 0.049 0.010 0.331 0.194 0.110 0.676 0.202 0.077	F3_EM	F4_EM	0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392	0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.086 0.038 0.024 0.091 0.069 1.459 0.104 0.041 1.705 0.100	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.946 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.041 0.106 0.131	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.133 0.97 0.362 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222 0.230	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.090 0.144 0.189 2.264 0.359	PO3_EM	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712 0.183 0.052 0.215 0.215	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.284 0.318	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365
AD_1' AD_2' AD_3' AD_6' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8' AS_9' AS_10' C_1' C_2'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.076 0.053 0.112 0.083	4 F2_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.049 0.010 0.331 0.194 0.116 0.202 0.077 0.162	F3_EM	F4_EM	F7_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123	0.239 0.074 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024 0.091 0.069 1.459 0.104 0.041 1.705 0.104 0.101	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.041 0.106 0.131 0.106	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.060 0.010 0.222 0.230 0.124 0.057 0.375 0.170	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.126 0.156 0.019 0.021 0.107 0.090 0.144 0.189 2.264 0.359 0.323	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298 0.231 0.113 1.589 0.410 0.313	P04_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712 0.183 0.052 0.215 0.506 0.196	97 P10_EM 0.281 0.256 0.074 0.361 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.284 0.318 0.122 0.157	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365 0.119 0.190 0.411
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_5' AS_6' AS_5' AS_6' AS_7' AS_8' AS_8' C_1' C_1' C_2' C_3'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.053 0.212 0.183 0.053 0.102 0.024	4 F2_EM 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.049 0.010 0.331 0.194 0.116 0.676 0.202 0.077 0.162	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508 0.146 0.045 0.300 0.400 0.333 0.098 0.699 0.699 0.085 0.320 0.043 0.0175 0.071	F4_EM	F7_EM 0.166 0.360 0.117 0.107 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123 0.223 0.071	0.239 0.074 0.290 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215	Fz_EM	53 P3_EM 0.209 0.176 0.114 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024 0.091 0.069 1.459 0.104 0.041 1.705 0.101 0.101	87 P4_EM 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.010 0.011 0.059 0.194 0.030 0.041 0.106 0.131 0.142 0.014	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.002 0.010 0.222 0.030 0.124 0.057 0.375 0.170	68 POz_EM 1.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.090 0.144 0.189 2.264 0.359 0.323 0.309	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298 0.211 0.113 1.589 0.410 0.313 0.015	P04_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712 0.183 0.052 0.215 0.506 0.096	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104 0.330 0.098	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.318 0.122 0.157 0.517	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.013 0.365 0.119 0.190 0.411
AD 1' AD 2' AD 3' AD 6' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 3' AS 6' AS 7' AS 8 8' AS 6' C 1' C 2' C 3' C 4'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.104 0.359 0.119 0.359 0.533 0.130 0.024 0.065 0.076 0.053 0.212 0.183 0.010 0.027 0.027	4 FZ_EM 0.045 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.010 0.331 0.134 0.116 0.676 0.202 0.077 0.017 0.026	F3_EM	F4_EM	F7_EM 0.166 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123 0.223 0.071 0.092	0.239 0.290 0.290 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215 0.213	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.481 0.140 0.086 0.038 0.024 0.091 0.169 0.169 0.100 0.101 0.010 0.101 0.101 0.015	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.041 0.102	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.097 0.267 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.010 0.222 0.230 0.124 0.057 0.170	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.990 0.144 0.189 2.264 0.359 0.323 0.323 0.0246	PO3_EM 0.627 0.346 0.348 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.238 0.068 0.062 0.238 0.298 0.231 0.113 1.589 0.410 0.313 0.015 0.061	P04_EM	P9_EM 0.172 0.368 0.073 0.220 0.094 0.393 3.170 0.427 1.207 0.532 0.158 0.028 0.468 0.712 0.183 0.055 0.183 0.055 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195 0.195	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.026 0.104 0.330 0.330 0.128	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.049 0.284 0.318 0.122 0.157	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365 0.119 0.190 0.411 0.239 0.007 0.127
AD_1' AD_2' AD_3' AD_6' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_5' AS_6' AS_7' C_1' C_2' C_3' C_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.053 0.212 0.183 0.102 0.029 0.029 0.029	4 FZ_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.978 0.010 0.331 0.116 0.676 0.202 0.007 0.162 0.007 0.162 0.008	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508 0.146 0.045 0.300 0.400 0.133 0.098 0.699 0.237 0.085 0.320 0.403 0.175 0.071	F4_EM	F7_EM 0.166 0.360 0.370 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.113 0.173 0.392 0.099 0.236 0.123 0.223 0.071 0.092 0.275	0.239 0.299 0.299 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215 0.213	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.481 0.140 0.086 0.086 0.086 0.086 0.001 1.705 0.001 0.001 0.001 0.001 0.001 0.001	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 0.293 0.546 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.041 0.106 0.131 0.142 0.014 0.057 0.053	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.365 0.156 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.997 0.267 0.217 0.388 3.273 0.994 0.482 0.072 0.062 0.012 0.022 0.230 0.124 0.057 0.375 0.170 0.074 0.063 0.535	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.009 0.144 0.189 2.264 0.359 0.323 0.009 0.323 0.009 0.545 0.153	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298 0.238 0.298 0.331 0.113 1.589 0.410 0.313 0.015 0.361	PO4_EM	P9_EM 0.172 0.172 0.200 0.994 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.712 0.183 0.052 0.196 0.196 0.196 0.032 0.172 0.123	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.109 0.100 0.222 1.621 0.218 0.082 0.226 0.104 0.330 0.998 0.128 0.471	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.296 0.111 0.043 0.049 0.284 0.318 0.122 0.157 0.517	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.067 0.013 0.365 0.119 0.190 0.411 0.239 0.007 0.127 0.377
AD 1' AD 2' AD 3' AD 3' AD 5' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 5' AS 6' AS 7' AS 8' AS 6' C 1' C 2' C 3' C 4' C 5' C 6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.104 0.359 0.119 0.359 0.330 0.024 0.062 0.396 0.076 0.053 0.212 0.183 0.022 0.102 0.002 0.102 0.0	4 FZ_EM 0.045 0.045 0.084 0.207 0.665 0.426 0.138 1.839 0.544 0.978 0.049 0.010 0.331 0.194 0.110 0.676 0.202 0.077 0.162 0.065 0.06	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.525 0.146 0.300 0.400 0.133 0.098 0.699 0.237 0.085 0.320 0.043 0.175 0.071 0.086 0.106 0.132	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482 0.029 0.056 0.149 0.677 0.224 0.062 0.213	F7_EM 0.166 0.360 0.317 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123 0.071 0.092 0.275 0.260	F8_EM 0.239 0.074 0.290 0.299 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215 0.213 0.184 0.434 0.467	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.250 0.481 0.140 0.086 0.038 0.024 0.091 1.459 0.104 0.041 1.705 0.100 0.101 0.015 0.245 0.0257	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.040 0.041 0.105 0.131 0.106 0.131 0.057 0.057	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.362 0.156 0.182 0.096 0.485 0.273 0.141 0.107 0.413 0.301 0.3020 0.123 0.088	92 P8_EM 0.557 0.306 0.097 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.060 0.222 0.230 0.124 0.057 0.170 0.063 0.375 0.074 0.063 0.326	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.090 0.144 0.189 0.2264 0.359 0.359 0.359 0.365 0.009 0.545 0.154	PO3_EM 0.627 0.346 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.022 0.238 0.298 0.293 0.231 0.113 1.589 0.410 0.313 0.015 0.361 0.054	PO4_EM	P9_EM 0.172 0.172 0.368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.028 0.468 0.712 0.183 0.052 0.215 0.096 0.032 0.172 0.123 0.272	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104 0.330 0.398 0.128 0.475	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.276 0.111 0.043 0.049 0.284 0.318 0.122 0.157 0.517	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365 0.119 0.190 0.411 0.239 0.007 0.127 0.284
AD_1' AD_2' AD_3' AD_6' AD_6' AD_7' AD_8' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_5' AS_6' AS_7' C_1' C_2' C_3' C_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.533 0.130 0.024 0.065 0.396 0.076 0.053 0.212 0.183 0.102 0.029 0.029 0.029	4 FZ_EM 0.045 0.084 0.207 0.065 0.426 0.138 1.839 0.544 0.974 0.010 0.331 0.194 0.116 0.676 0.202 0.007 0.062 0.062 0.068 0.068 0.025	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.508 0.146 0.045 0.300 0.400 0.133 0.098 0.699 0.237 0.085 0.320 0.403 0.175 0.071	0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482 0.029 0.056 0.149 0.677 0.224 0.062 0.213	F7_EM 0.166 0.360 0.370 0.360 0.117 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.113 0.173 0.392 0.099 0.236 0.123 0.223 0.071 0.092 0.275	0.239 0.274 0.290 0.290 0.290 0.290 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.213 0.184 0.434 0.434 0.434 0.431	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.140 0.154 0.092 1.230 0.481 0.140 0.086 0.086 0.086 0.086 0.001 1.705 0.001 0.001 0.001 0.001 0.001 0.001	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.010 0.011 0.059 0.194 0.030 0.041 0.106 0.131 0.142 0.014 0.053 0.321 0.053	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 3.097 0.365 0.156 0.156 0.182 0.098 0.026 0.485 0.273 0.141 0.107	92 P8_EM 0.557 0.306 0.997 0.267 0.217 0.388 3.273 0.994 0.482 0.072 0.062 0.012 0.022 0.230 0.124 0.057 0.375 0.170 0.074 0.063 0.535	68 POz_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.147 0.021 0.001 0.001 0.001 0.001 0.032 0.044 0.189 0.264 0.153 0.009 0.323 0.009 0.545 0.153 0.194	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298 0.238 0.298 0.331 0.113 0.410 0.313 0.015 0.361 0.054 0.054	PO4_EM	P9_EM 0.172 0.172 0.200 0.994 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.712 0.183 0.052 0.196 0.196 0.196 0.032 0.172 0.123	97 P10 EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104 0.330 0.098 0.128 0.421 0.275	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.296 0.111 0.043 0.049 0.284 0.318 0.122 0.157 0.517	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365 0.119 0.190 0.411 0.239 0.007 0.127
AD 1' AD 2' AD 3' AD 6' AD 6' AD 7' AD 8' AD 9' AS 1' AS 2' AS 3' AS 6' AS 7' AS 8' AS 9' AS 10' C 1' C 2' C 3' C 6' C 7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.104 0.359 0.119 0.359 0.330 0.024 0.062 0.396 0.076 0.053 0.212 0.183 0.022 0.102 0.002 0.102 0.0	4 FZ_EM 0.045 0.045 0.084 0.207 0.665 0.426 0.138 1.839 0.544 0.978 0.049 0.010 0.331 0.194 0.110 0.676 0.202 0.077 0.162 0.065 0.068 0.068 0.088	F3_EM 0.220 0.261 0.137 0.067 0.074 0.525 0.119 0.525 0.146 0.300 0.400 0.133 0.098 0.699 0.237 0.085 0.320 0.043 0.175 0.071 0.086 0.106 0.132	F4_EM 0.055 0.092 0.112 0.321 0.252 0.232 2.970 0.553 0.482 0.029 0.056 0.149 0.677 0.224 0.062 0.213	F7_EM 0.166 0.360 0.317 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123 0.071 0.092 0.275 0.260	F8_EM 0.239 0.074 0.290 0.299 0.299 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215 0.213 0.184 0.434 0.467	Fz_EM	53 P3_EM 0.209 0.176 0.014 0.154 0.092 0.250 0.481 1.230 0.086 0.086 0.024 0.091 0.069 0.104 0.069 0.104 0.069 0.024 0.014 0.059 0.024 0.024 0.040 0.050 0.024 0.050 0.024 0.050 0.0	87 P4_EM 0.361 0.127 0.035 0.076 0.173 0.201 2.237 0.093 0.546 0.233 0.023 0.010 0.011 0.059 0.194 0.030 0.040 0.041 0.105 0.131 0.106 0.131 0.057 0.057	59 P7_EM 0.305 0.328 0.069 0.132 0.084 0.193 0.395 0.132 0.084 0.193 0.132 0.084 0.193 0.197 0.362 0.182 0.026 0.485 0.273 0.141 0.107 0.413 0.311 0.0123 0.088 0.028	92 P8_EM 0.557 0.306 0.997 0.217 0.388 3.273 2.748 0.994 0.482 0.072 0.062 0.230 0.124 0.057 0.370 0.074 0.063 0.370 0.074 0.063 0.375 0.074	68 POZ_EM 1.186 0.338 0.067 0.289 0.071 0.527 2.754 0.147 0.723 0.246 0.156 0.019 0.021 0.107 0.090 0.144 0.189 0.2264 0.359 0.359 0.359 0.369 0.545 0.154	PO3_EM 0.627 0.346 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.022 0.238 0.298 0.293 0.231 0.113 1.589 0.410 0.313 0.015 0.361 0.054	PO4_EM	0.172 0.200 0.368 0.0368 0.073 0.220 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712 0.592 0.059 0.094	97 P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0.222 1.621 0.218 0.082 0.226 0.104 0.330 0.398 0.128 0.475	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.296 0.111 0.043 0.043 0.284 0.318 0.122 0.157 0.517	02_EM 2.021 0.500 0.070 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.013 0.365 0.119 0.239 0.0411 0.239 0.007 0.127 0.377 0.284 0.026
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_5' AS_6' AS_5' AS_6' C_1' C_2' C_3' C_5' C_6' C_7' C_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.095 0.104 0.350 0.042 0.119 0.359 0.359 0.359 0.359 0.359 0.359 0.024 0.065 0.976 0.076 0.076 0.053 0.021 0.102 0.102 0.102 0.103 0.005 0.0	4 F2_EM 0.045 0.084 0.084 0.084 0.085 0.084 0.426 0.045 0.084 0.426 0.073 0.065 0.426 0.038 0.038 0.038 0.038 0.038 0.038 0.049 0.010 0.031 0.056 0.068 0.006 0.006 0.006 0.005 0.025 0.025 0.041 0.054 0.055 0.05	F3_EM	F4_EM	F7_EM 0.166 0.360 0.310 0.017 0.061 0.205 1.006 0.609 0.298 0.111 0.107 0.326 0.151 0.173 0.392 0.099 0.236 0.123 0.071 0.092 0.260 0.260	0.239 0.274 0.290 0.290 0.290 0.290 0.185 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.213 0.184 0.434 0.434 0.434 0.431	0.057 0.090 0.445 0.045 0.093 0.045 0.093 0.663 0.663 0.642 0.041 0.092 0.340 0.210 0.419 0.910 0.129 0.045 0.772 0.002 0.054 0.035 0.110 0.127 0.127 0.127	53 P3 EM P3	87 P4 EM 0.361 0.127 0.361 0.027 0.076 0.073 0.076 0.073 0.091	59 P7_EM 20 20 20 20 20 20 20 20 20 20 20 20 20	92 P8_EM 0.557 0.306 0.097 0.217 0.388 0.267 0.217 0.388 0.482 0.072 0.072 0.072 0.073 0.070 0.077 0.074 0.073 0.073 0.073	68 PDz EM 1.186 0.338 0.057 0.289 0.071 1.050 0.527 2.754 0.147 0.147 0.150 0.050 0.	PO3_EM 0.627 0.346 0.088 0.111 0.119 0.324 3.003 0.189 1.274 0.136 0.299 0.068 0.022 0.238 0.298 0.231 0.113 0.113 0.113 0.113 0.015 0.361 0.025 0.293 0.036	PO4_EM	P9_EM 0.172 0.368 0.073 0.220 0.290 0.094 0.339 3.170 0.427 1.207 0.532 0.158 0.165 0.028 0.468 0.712 0.312 0.312 0.312 0.312 0.312 0.312 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0.3	97 P10_EM P10_EM 0.281 0.256 0.074 0.361 0.178 0.429 2.810 0.902 0.054 0.067 0.019 0.100 0	0.1_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.284 0.318 0.122 0.157 0.517 0.517 0.032 0.032 0.032 0.032 0.033 0.045 0.281 0.033	02_EM 2.021 0.500 0.700 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.067 0.119 0.365 0.119 0.411 0.239 0.007 0.127 0.284 0.026
AD 1' AD 2' AD 3' AD 4' AD 5' AD 6' AD 7' AD 8 AD 9' AS 1' AS 5' AS 6' AS 7' AS 8' AS 9' AS 10' C 1' C 2' C 4' C 5' C 6' C 7' C 8' C 9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	20 F1_EM 0.104 0.104 0.119 0.359 0.533 0.130 0.024 0.055 0.076 0.076 0.076 0.070 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 F2_EM 0.045 0.045 0.084 0.054 0.055 0.045 0.055 0.045 0.055 0.045 0.055 0.045 0.055 0.045 0.055 0.045 0.05	F3_EM 0.220 0.221 0.052 0.074 0.071 0.065 0.090 0.074 0.055 0.045 0.045 0.045 0.065 0.065 0.065 0.065 0.065 0.065 0.065 0.071 0.085 0.093 0.071 0.085 0.065	F4_EM	F7_EM 0.166 0.167 0.061 0.061 0.0061 0.005 0.009 0.298 0.111 0.107 0.320 0.151 0.173 0.392 0.099 0.226 0.123 0.221 0.071 0.092 0.226 0.0040 0.131	F8_EM 0.239 0.074 0.290 0.290 0.295 0.617 2.868 0.558 0.076 0.133 0.204 1.161 0.060 0.272 0.215 0.134 0.4347 0.4367 0.4370	Fz_EM 0.057 0.090 0.090 0.445 0.038 0.045 0.038 0.0663 0.663 0.662 0.041 0.090 0.045 0.091	53 M P3 EM C C C C C C C C C C C C C C C C C C	87 P4 EM 0.361 0.127 0.361 0.127 0.361 0.127 0.076 0.173 0.076 0.173 0.078 0.093 0.094 0.010 0.011 0.011 0.059 0.194 0.050 0.010 0.011 0.051 0.051 0.052 0.053 0.054 0.055 0.0	59 P7_EM 0.132 0.084 0.132 0.084 0.132 0.084 0.156 0.193 0.097 0.156 0.273 0.141 0.107 0.413 0.1123 0.088 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028	92 P8_EM 0.557 0.305 0.306 0.217 0.227 0.230 0.482 0.062 0.010 0.057 0.375 0.375 0.375 0.074 0.063 0.5326 0.053	68 POZ EM 1.186 0.338 0.071 1.186 0.527 2.754 0.147 0.147 0.529 0.071 1.010 0.010 0.011 0.107 0.090 0.144 0.189 2.264 0.156 0.156 0.056 0.	PO3_EM PO3	PO4_EM PO4_EM PO4_EM PO4_EM PO5_EM PO5	P9_EM 0.172 0.172 0.172 0.172 0.272 0.172	97 P10 EM C C C C C C C C C C C C C C C C C C	01_EM 2.830 0.079 0.912 0.197 0.488 3.179 0.099 1.591 0.276 0.111 0.043 0.043 0.045 0.122 0.157 0.517	02_EM 2.021 0.500 0.700 0.223 0.623 3.378 0.365 1.434 0.629 0.099 0.013 0.365 0.119 0.190 0.411 0.239 0.007 0.127 0.377 0.284 0.026 0.049 0.005

TABLE III (continued)

Fear-Sad Unali		20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
rear-Jau Ollali	igned	F1_FS	F2_FS	F3_FS	F4_FS	F7_FS	F8_FS	Fz_FS	P3_FS	P4_FS	P7_FS	P8_FS	POz_FS	PO3_FS	PO4_FS	P9_FS	P10_FS	01_FS	O2_FS
AD_1'	ADHD	0.287	0.214	0.475	0.189	0.176	0.322	0.258	0.192	0.490	0.275	0.648	1.345	0.619	1.209	0.155	0.181	3.445	3.037
AD_2'	ADHD	0.125	0.174	0.214	0.215	0.248	0.124	0.187	0.300	0.053	0.448	0.241	0.649	0.472	0.170	0.476	0.192	0.679	0.381
AD_3'	ADHD	0.481	0.365	0.223	0.146	0.152	0.595	0.610	0.017	0.046	0.061	0.210	0.062	0.097	0.057	0.061	0.097	0.070	0.072
AD_4'	ADHD	0.142	0.304	0.104				0.220	0.114	0.095	0.575		0.392	0.104	0.306	0.685		1.024	
AD_5' AD 6'	ADHD ADHD	0.181	0.502	0.118	0.367	0.197	0.379	0.054	0.213	0.122	0.160 0.219	0.581	0.176 0.701	0.318	0.114	0.116 0.397	0.437	0.569	0.669 1.097
AD_6 AD 7'	ADHD	0.704	2.216	0.930	3.309	1.132	3.379	0.238	0.205 1.320	2.004	3.199	3.023	2.655	3.118	3.467	3.263	3.259	3.103	3.228
AD_8'	ADHD	0.490	0.547	0.462	0.558	0.604	0.715	0.773	0.179	0.243	0.248	3.446	0.122	0.128	0.332	0.366	3.887	0.072	0.588
AD 9'	ADHD	0.350	0.814	0.231	0.841	0.359	0.715	0.745	0.783	0.431	0.240	1.218	0.740	1.190	0.938	1.560	1.058	1.718	1.843
AS_1'	Autism								0.218	0.341	0.175	0.658	0.161	0.160	0.682	0.347		0.208	0.541
AS_2'	Autism	0.062	0.091	0.087	0.064	0.275	0.153	0.079	0.172	0.046	0.349	0.117	0.217	0.392	0.189	0.219	0.096	0.192	0.166
AS_3'	Autism	0.082	0.011	0.228	0.120	0.188	0.151	0.175	0.065	0.021	0.233	0.169	0.033	0.125	0.169	0.322	0.172	0.172	0.327
AS_4'	Autism	1.009	0.842	1.007	1.086	0.728		1.073	0.098	0.008	0.104	0.014	0.061	0.098	0.315	0.126	0.028	0.109	0.040
AS_5'	Autism	0.317	0.658	0.212	0.283	0.321	0.457	0.437	0.167	0.204	0.520	0.387	0.246	0.228	0.264	0.510	0.229	0.184	
AS_6'	Autism	0.075	0.162	0.071		0.346		0.688	0.079	0.328	0.399	0.355	0.116	0.505	0.330	0.937	0.350	0.559	0.534
AS_7'	Autism	0.212	0.676	0.699	0.677	0.392	1.161	0.910	1.459	1.268	0.247	0.422	0.402	0.554	0.450	1.212	1.621	0.202	0.202
AS_8'	Autism	0.396	0.395	0.260	0.655 0.106	0.161	0.842	0.308	0.189	0.130	0.247	0.423	0.192	0.564	0.168	0.394	0.599	0.302	0.292
AS_9' AS_10'	Autism Autism	0.083	0.146 0.276	0.107	0.106	0.161	0.097	0.147	0.132 1.906	0.100	0.048	0.063	0.222 2.132	0.057	0.061	0.104	0.107	0.102	0.101
C 1'	Control	0.121	0.276	0.406	0.344	0.265	0.403	0.291	0.110	0.100		0.091	0.220	0.645	0.172	0.484	0.466	0.550	0.550
C 2'	Control	0.044	0.045	0.219	0.168	0.279	0.353	0.095	0.110	0.188	0.445		0.322	0.445	0.372	0.275	0.522		0.362
C_3'	Control	0.165	0.259	0.175	0.332	0.193	0.885	0.130	0.036	0.052	0.049	0.118	0.015	0.042	0.555	0.052	0.102	0.043	0.018
C_4'	Control	0.151	0.199	0.122	0.234	0.144	0.347	0.145	0.406	0.089	0.277	0.092	0.588	0.363	0.467	0.331	0.330	0.221	0.171
C_5'	Control	0.110	0.220	0.148	0.354	0.280	0.356	0.262	0.093	0.051	0.106	0.581	0.161	0.091	0.602	0.148	0.441	0.372	0.493
C_6'	Control	0.324	0.362	0.185	0.631	0.461	0.771	0.171	0.480	0.573		0.634	0.249	0.735	0.138	0.663	0.402	0.548	0.661
C_7'	Control	0.014	0.074	0.033	0.265	0.028	0.278	0.065	0.117	0.047	0.093	0.115	0.023	0.123	0.030	0.116	0.155	0.125	0.116
C_8'	Control		0.291		0.290			0.439	0.114	0.048	0.126	0.293	0.083	0.127	0.139	0.202	1.026	0.171	0.181
C_9'	Control	0.169	0.294	0.258	0.320	0.305	0.178	0.176	0.074	0.002	0.084	0.104	0.050	0.100	0.001	0.388	0.125	0.056	0.078
C_10'	Control	0.059	0.045	0.053	0.095 0.116	0.378	0.178	0.073 0.172	0.029	0.115 0.256	0.068	0.255	0.005	0.032	0.099	0.154 0.527	0.429 0.516	0.096	0.091
		20	4	25	124	34	122	11	53	87	59	92	68	60	86	58	97	72	77
Gender All Una																			
	alignea																		
AD_1'	ADHD	F1_GE 0.458	F2_GE 0.245	F3_GE 0.424	F4_GE 0.211	F7_GE 0.140	F8_GE 0.350	Fz_GE 0.258	P3_GE 0.202	P4_GE 0.472	P7_GE 0.352	P8_GE 0.532	POz_GE 1.368	PO3_GE 0.550	PO4_GE 0.935	P9_GE 0.389	P10_GE 0.277	01_GE 3.370	O2_GE 2.049
		F1_GE	F2_GE	F3_GE	F4_GE	F7_GE	F8_GE	Fz_GE	P3_GE	P4_GE	P7_GE	P8_GE	POz_GE	PO3_GE	PO4_GE	P9_GE	P10_GE	01_GE	O2_GE
AD_1'	ADHD	F1_GE 0.458	F2_GE 0.245	F3_GE 0.424	F4_GE 0.211	F7_GE 0.140	F8_GE 0.350	Fz_GE 0.258	P3_GE 0.202	P4_GE 0.472	P7_GE 0.352	P8_GE 0.532	POz_GE 1.368	PO3_GE 0.550	PO4_GE 0.935	P9_GE 0.389	P10_GE 0.277	O1_GE 3.370	O2_GE 2.049
AD_1' AD_2' AD_3' AD_4'	ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057	F2_GE 0.245 0.095 0.334 0.080	0.424 0.082 0.079 0.095	F4_GE 0.211 0.117 0.061	F7_GE 0.140 0.105 0.077	F8_GE 0.350 0.099	72_GE 0.258 0.099 0.464 0.104	P3_GE 0.202 0.274 0.056 0.066	0.472 0.111 0.058 0.119	P7_GE 0.352 0.398 0.172 0.177	P8_GE 0.532 0.222 0.084 0.211	POz_GE 1.368 0.996 0.117 0.199	0.550 0.431 0.189 0.056	0.935 0.199 0.076	0.389 0.416 0.167 0.305	P10_GE 0.277 0.255 0.077	01_GE 3.370 0.931 0.128 0.656	02_GE 2.049 0.609 0.088
AD_1' AD_2' AD_3' AD_4' AD_5'	ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168	F2_GE 0.245 0.095 0.334 0.080 0.252	9.0424 0.082 0.079 0.095 0.135	9.176 0.176	9.140 0.105 0.077 0.145	0.350 0.099 0.225	Pz_GE 0.258 0.099 0.464 0.104 0.065	P3_GE 0.202 0.274 0.056 0.066 0.069	P4_GE 0.472 0.111 0.058 0.119 0.069	P7_GE 0.352 0.398 0.172 0.177 0.105	P8_GE 0.532 0.222 0.084 0.211 0.227	POz_GE 1.368 0.996 0.117 0.199 0.053	0.550 0.431 0.189 0.056 0.115	0.935 0.199 0.076	P9_GE 0.389 0.416 0.167 0.305 0.088	0.277 0.255 0.077 0.152	01_GE 3.370 0.931 0.128 0.656 0.274	02_GE 2.049 0.609 0.088 0.352
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203	0.211 0.117 0.061 0.176 0.049	0.140 0.105 0.077 0.145 0.130	F8_GE 0.350 0.099 0.225 0.042	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265	903_GE 0.550 0.431 0.189 0.056 0.115 0.681	0.935 0.199 0.076 0.065 0.590	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281	P10_GE 0.277 0.255 0.077	01_GE 3.370 0.931 0.128 0.656 0.274 0.917	02_GE 2.049 0.609 0.088 0.352 1.104
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480	0.211 0.117 0.061 0.176 0.049 1.986	F7_GE 0.140 0.105 0.077 0.145 0.130 0.537	F8_GE 0.350 0.099 0.225 0.042 2.204	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360	0.935 0.199 0.076 0.065 0.590 2.809	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406	0.277 0.255 0.077 0.152 0.327	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938	02_GE 2.049 0.609 0.088 0.352 1.104 3.190
AD_1' AD_2' AD_3' AD_6' AD_6' AD_7' AD_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363	0.211 0.117 0.061 0.176 0.049 1.986 0.381	0.140 0.105 0.077 0.145 0.130 0.537 0.647	F8_GE 0.350 0.099 0.225 0.042	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.087	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074	0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053	0.935 0.199 0.076 0.065 0.590 2.809 0.305	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094	0.277 0.255 0.077 0.152 0.327	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480	0.211 0.117 0.061 0.176 0.049 1.986	F7_GE 0.140 0.105 0.077 0.145 0.130 0.537	F8_GE 0.350 0.099 0.225 0.042 2.204	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.087	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816	0.277 0.255 0.077 0.152 0.327	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766
AD_1' AD_2' AD_3' AD_6' AD_6' AD_7' AD_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363	0.211 0.117 0.061 0.176 0.049 1.986 0.381	0.140 0.105 0.077 0.145 0.130 0.537 0.647	F8_GE 0.350 0.099 0.225 0.042 2.204	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.087	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074	0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053	0.935 0.199 0.076 0.065 0.590 2.809 0.305	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094	0.277 0.255 0.077 0.152 0.327	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426	F8_GE 0.350 0.099 0.225 0.042 2.204 0.414	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.087 0.405 0.111	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242	0.277 0.255 0.077 0.152 0.327 1.487 0.341	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_4	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.363 0.089 0.221	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.169 0.060 0.178	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.87 0.405 0.111 0.140 0.036	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.84 0.544 0.120 0.208 0.091	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.942 0.070 0.110 0.058	0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_6' AD_9' AD_9' AS_1' AS_2' AS_5' AS_5' AS_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093	0.350 0.099 0.225 0.042 2.204 0.414	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.887 0.405 0.111 0.140 0.036 0.047	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.84 0.544 0.120 0.208 0.091 0.048	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110	0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.766 0.285 0.143 0.134 0.029 2.007
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.085 0.104	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.102 0.105 0.181 0.168	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059	F4_GE 0.211 0.117 0.061 	F7_GE 0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.84 0.544 0.120 0.208 0.091	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.942 0.070 0.110 0.058	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134
AD 1' AD 2' AD 3' AD 4' AD 5' AD 6' AD 7' AD 8' AD 9' AS 5 1' AS 2' AS 6 4' AS 5 5' AS 6' AS 7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138	F2_GE 0.245 0.095 0.380 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.0628 0.256	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.003	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.430 0.313	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015 0.124	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043 0.233	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095 0.144	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.026 0.142 0.416	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.245	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_5' AS_5' AS_6' AS_7' AS_5' AS_6' AS_7' AS_6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.085 0.104	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.238 0.171 0.308	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.1059 0.1059	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.663 0.066 0.044 0.141 0.136	F7_GE 0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.256	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.087 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.430	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.275 0.067 0.018 0.003 0.021 0.440 0.440	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.547 0.165 0.138 0.015 0.124 0.150	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.317 0.073 0.024 0.032 0.327 0.057	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.413 0.387 0.053 0.043 0.533 0.043	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.408 0.132 0.126 0.095 0.144 0.158	P9_GE 0.389 0.416 0.167 0.305 0.888 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142 0.416 0.394	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8' AS_6' AS_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.085 0.104 0.086	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.102 0.108 0.168 0.238 0.171 0.308	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.201 0.152 0.059 0.100 0.100 0.100 0.264 0.066	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385	0.140 0.105 0.105 0.130 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.280 0.332 0.090	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.400 0.041	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.164 0.477 0.036	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313 0.127 0.089	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.124 0.150 0.335 0.042	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327 0.151	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043 0.233	PO4_GE 0.935 0.199 0.076 0.065 0.590 0.305 0.596 0.408 0.132 0.126 0.095 0.144 0.158	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142 0.416 0.394 0.077	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.029 2.007 0.245
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_6' AD_9' AS_1' AS_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171 0.308 0.076	F3_GE 0.424 0.082 0.079 0.095 0.135 0.335 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180	0.211 0.117 0.061 0.061 0.176 0.049 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385 0.040	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.256 0.356 0.390 0.248	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.430 0.430	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.164 0.440 0.177 0.366 0.088	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313	P8_GE 0.532 0.222 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.115 0.1150 0.124 0.150	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327 0.151	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.413 0.387 0.053 0.043 0.533 0.043	P04_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095 0.144 0.158	P9_GE 0.389 0.416 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142 0.416 0.077	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.265 0.295	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_6' AS_5' AS_5' AS_6' AS_7' AS_8' AS_6' AS_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.085 0.104 0.086	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.102 0.108 0.168 0.238 0.171 0.308	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.100 0.264 0.066	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385	0.140 0.105 0.105 0.130 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.280 0.332 0.090	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.400 0.041	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.164 0.440 0.177 0.036 0.088	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313 0.127 0.089	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.124 0.150 0.335 0.042	POz_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327 0.151	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.413 0.387 0.053 0.043 0.533 0.043	PO4_GE 0.935 0.199 0.076 0.065 0.590 0.305 0.596 0.408 0.132 0.126 0.095 0.144 0.158	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142 0.416 0.394 0.077	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.029 2.007 0.245
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_6' AD_9' AS_1' AS_5'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.085 0.104 0.086	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171 0.308 0.076 0.131 0.012	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180 0.0022	0.211 0.117 0.061 0.176 0.049 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385 0.040 0.172	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492	0.225 0.099 0.225 0.041 0.414 0.128 0.078 0.186 0.546	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.256 0.332 0.090 0.248 0.003	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.430 0.041 0.077 0.991	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.164 0.440 0.177 0.366 0.088	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 0.2396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313 0.127 0.089 0.241	P8_GE 0.532 0.222 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.115 0.1150 0.124 0.150	POZ_GE 1.368 0.996 0.117 0.119 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327 0.151 0.057	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.043 0.333 0.043 0.053	P04_GE	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.115 0.369	P10_GE 0.277 0.255 0.077 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.083 0.142 0.416 0.394 0.077 0.134 0.108	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.265 0.295	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245 0.152 0.104
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_6' AS_7' AS_8' AS_6' AS_7' AS_8' AS_9' AS_10' C_1' C_2'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.095 0.334 0.080 0.252 0.633 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.076 0.131 0.012 0.002	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180 0.002	0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.663 0.066 0.044 0.141 0.136 0.268 0.385 0.040 0.172	0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.492 0.085 0.348 0.170 0.123	0.225 0.099 0.225 0.041 0.414 0.128 0.078 0.186 0.546 0.046 0.165 0.096 0.417	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.256 0.332 0.090 0.248 0.003	P3_GE 0.202 0.274 0.056 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.430 0.041 0.077 0.991	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.067 0.018 0.003 0.021 0.164 0.440 0.177 0.036 0.088 0.088 0.088	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.430 0.313 0.127 0.089 0.241 0.264 0.197	P8_GE 0.532 0.222 0.284 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015 0.124 0.150 0.335 0.042 0.128 0.147	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.516 0.517 0.073 0.024 0.032 0.327 0.151 0.057 0.037 0.795 0.210 0.312	PO3_GE 0.550 0.431 0.189 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.233 0.233 0.106 0.094	P04_GE	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.994 0.816 0.242 0.070 0.110 0.262 0.058 0.421	P10_GE	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.285 0.143 0.134 0.029 2.007 0.245 0.152 0.104 0.147
AD_1' AD_2' AD_3' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_5' AS_5' AS_5' AS_6' AS_7' AS_8' AS_7' C_1' C_2' C_3'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171 0.308 0.171 0.308 0.318 0.076 0.131 0.012 0.002 0.388	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.221 0.152 0.059 0.103	0.211 0.117 0.061 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385 0.040 0.172 0.049 0.172	F7_GE 0.140 0.105 0.077 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492 0.085 0.348 0.170 0.123 0.303	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546 0.046 0.165 0.096 0.417 0.328	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.111 0.093 0.628 0.256 0.302 0.268 0.268 0.090 0.248 0.003 0.046 0.196	P3_GE 0.202 0.274 0.056 0.066 0.066 0.066 0.887 0.087 0.405 0.111 0.140 0.036 0.047 0.140 0.140 0.040 0.047 0.091 0.077 0.991 0.075 0.055	P4_GE 0.472 0.472 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.164 0.440 0.440 0.440 0.036 0.088 0.038 0.038 0.038	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015 0.124 0.150 0.335 0.042 0.128 0.147	POZ_GE 1.368 0.967 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.032 0.327 0.151	PO3_GE 0.550 0.431 0.489 0.056 0.115 0.681 2.360 0.053 0.466 0.113 0.387 0.053 0.466 0.113 0.387 0.053 0.406 0.053 0.053 0.053 0.053 0.106 0	P04_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.132 0.126 0.095 0.158 0.266 0.039 0.154 0.046 0.427 0.198	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.094 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.115 0.369 0.307 0.084	P10_GE	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.031	02_GE 2.049 0.609 0.088 1.104 3.190 0.135 0.766 0.285 0.143 0.029 2.007 0.245 0.152 0.104 0.152
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_5' AS_5' AS_5' AS_5' AS_6' AS_7' AS_8' AS_1' C_1' C_2' C_3' C_4' C_5' C_6'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171 0.308 0.171 0.308 0.076 0.131 0.012 0.020 0.388 0.098 0.084 0.499	F3_GE 0.424 0.082 0.095 0.095 0.135 0.203 0.480 0.363 0.335 0.221 0.152 0.059 0.103 0.133 0.264 0.066 0.180 0.022 0.159 0.159 0.100 0.133	0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385 0.040 0.172 0.049 0.172 0.049 0.134 0.134 0.134 0.139	0.145 0.130 0.105 0.077 0.145 0.130 0.537 0.426 0.169 0.060 0.178 0.093 0.492 0.085 0.348 0.170 0.123 0.303 0.149 0.115 0.1485	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546 0.046 0.165 0.096 0.417 0.328	Fz_GE 0.258 0.258 0.099 0.464 0.104 0.065 0.0774 2.309 0.276 0.551 0.111 0.085 0.131 0.093 0.628 0.256 0.332 0.090 0.248 0.003 0.046 0.196 0.111 0.098	P3_GE 0.202 0.274 0.056 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.430 0.041 0.097 0.991 0.075 0.059 0.103 0.140 0.103	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.366 0.275 0.366 0.275 0.067 0.018 0.003 0.021 0.117 0.366 0.088 0.038 0.038 0.021 0.058 0.088 0.088 0.089	P7_GE 0.352 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.844 0.120 0.048 0.091 0.048 0.430 0.313 0.127 0.089 0.241 0.264 0.197 0.064 0.306 0.306 0.306	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015 0.124 0.150 0.130 0.124 0.147	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.093 0.023 0.023 0.021 0.032 0.032 0.057 0.079 0.079 0.093	PO3_GE	PO4_GE	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.098 0.816 0.242 0.094 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.115 0.369 0.307 0.084 0.288 0.312	P10_GE	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.037 0.269 0.245 0.245 0.214 0.037 0.269 0.245 0.249 0.418	02.6E 2.049 0.609 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245 0.152 0.104 0.147 0.147 0.147 0.143 0.09 0.253 0.09 0.253
AD_1' AD_2' AD_3' AD_6' AD_6' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_6' AS_5' AS_6' AS_7' AS_8' AS_9' AS_10' C_1' C_2' C_3' C_6' C_7'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	P2_GE 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.238 0.171 0.300 0.076 0.131 0.012 0.020 0.388 0.076 0.131 0.012 0.020 0.388 0.098 0.098 0.084 0.098	F3_GE 0.424 0.082 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.130 0.264 0.066 0.022 0.150 0.127 0.150 0.076 0.076	0.176 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.141 0.136 0.268 0.385 0.040 0.172 0.069 0.160 0.443 0.144 0.141 0.149 0.449 0.449 0.449 0.449	0.140 0.105 0.105 0.077 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.492 0.085 0.170 0.123 0.123 0.139 0.149 0.115	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546 0.046 0.046 0.046 0.0417 0.328 0.137 0.231	Fz_GE 0.258 0.099 0.464 0.104 0.065 0.074 2.309 0.276 0.551 0.111 0.085 0.332 0.093 0.628 0.256 0.332 0.090 0.466 0.111 0.093 0.046 0.196	P3_GE 0.202 0.274 0.056 0.066 0.066 0.069 0.165 0.887 0.405 0.111 0.140 0.036 0.047 0.146 0.140 0.077 0.991 0.077 0.991 0.057 0.057 0.057 0.050	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.002 0.164 0.440 0.440 0.440 0.400 0.366 0.038 0.088 0.088 0.088 0.088 0.088 0.088 0.088 0.088 0.088 0.088 0.088 0.089 0.0058	P7_GE 0.352 0.352 0.398 0.172 0.177 0.105 0.270 2.396 0.084 0.544 0.120 0.091 0.048 0.091 0.048 0.430 0.313 0.127 0.089 0.204 0.197 0.064 0.306 0.308 0.308	P8_GE 0.532 0.222 0.084 0.211 0.227 0.332 3.041 1.579 0.429 0.547 0.165 0.138 0.015 0.124 0.150 0.335 0.042 0.128 0.148 0.150 0.058 0.129 0.406 0.495	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.024 0.032 0.053 0.057 0.057 0.032 0.327 0.151 0.057 0.032 0.057 0.057 0.032 0.055 0.057	PO3_GE	PO4_GE 0.935 0.199 0.076 0.065 0.590 2.809 0.305 0.596 0.408 0.126 0.095 0.144 0.158 0.266 0.039 0.154 0.046 0.427 0.046 0.047 0.096	P9 GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.994 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.105 0.307 0.307 0.088 0.388 0.888 0.088 0.088	P10_GE	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.113 0.081 0.153 0.081 0.095 0.245 0.131 0.095 0.245 0.131 0.095 0.249 0.418 0.031	02_GE 2.049 0.609 0.088 0.352 1.104 3.190 0.766 0.285 0.143 0.134 0.029 2.007 0.245 0.152 0.104 0.147 0.438 0.009 0.253 0.361 0.413 0.082
AD_1' AD_2' AD_3' AD_6' AD_6' AD_6' AD_7' AD_6' AD_9' AS_1' AS_2' AS_3' AS_5' AS_6' AS_6' AS_7' AS_6' AS_7' C_1' C_2' C_5' C_6' C_7' C_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.171 0.308 0.171 0.308 0.171 0.308 0.076 0.131 0.012 0.020 0.388 0.098 0.098 0.099 0.139 0.099	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180 0.022 0.150 0.257 0.134 0.076 0.262 0.087	F4_GE 0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.136 0.268 0.385 0.040 0.172 0.049 0.172 0.049 0.172 0.049 0.172 0.049 0.190	0.145 0.130 0.105 0.107 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.085 0.348 0.170 0.123 0.303 0.149 0.115 0.485 0.111 0.485	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546 0.046 0.046 0.046 0.0417 0.328 0.137 0.231	Fz_GE 0.258 0.099 0.464 0.104 0.105 0.074 2.309 0.276 0.551 0.111 0.085 0.311 0.093 0.628 0.090 0.248 0.003 0.496 0.196 0.111 0.098	P3.GE 0.202 0.202 0.056 0.066 0.066 0.165 0.887 0.087 0.087 0.087 0.0405 0.111 0.140 0.036 0.047 0.146 0.047 0.097 0.0991 0.077 0.0991 0.075 0.059 0.059 0.103	P4_GE 0.472 0.111 0.058 0.119 0.109 0.109 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.001 0.164 0.440 0.177 0.036 0.088 0.038 0.031 0.022 0.058 0.069 0.099 0.099	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 0.270 0.280 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313 0.127 0.069 0.064 0.306 0.064 0.306 0.068 0.308 0.059	P8.GE 0.532 0.032 0.084 0.022 0.084 1.579 0.332 0.332 0.042 0.165 0.138 0.150 0.150 0.124 0.150 0.128 0.128 0.042 0.045 0.049 0.058	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.327 0.151 0.057 0.037 0.795 0.210 0.312 0.008 0.326 0.155 0.093 0.093	PO3_GE	PO4_GE PO4_GE PO4_GE PO4_GE PO4_GE PO5_GE PO5	P9_GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.098 0.816 0.242 0.094 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.115 0.369 0.307 0.084 0.288 0.312	P10_GE	01_GE 3.370 0.931 0.128 0.056 0.656 0.656 0.656 0.674 0.917 0.917 0.931 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245 0.131 0.095 0.249 0.418 0.031 0.334 0.346 0.346	02.GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245 0.143 0.147 0.147
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_8' AD_9' AS_1' AS_2' AS_3' AS_5' AS_6' AS_7' AS_5' C_1' C_2' C_3' C_4' C_5' C_6' C_7' C_8' C_9'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE 0.458 0.063 0.446 0.057 0.168 0.155 0.365 0.224 0.145 0.083 0.138 0.083 0.138 0.086 0.104 0.086 0.002 0.002 0.002 0.002 0.009 0.078 0.411 0.117 0.195	F2_GE 0.245 0.340 0.080 0.334 0.080 0.522 0.063 1.057 0.102 0.102 0.102 0.103 0.103 0.104 0.108 0.373 0.101 0.102 0.005 0.373 0.001 0.005 0.373 0.001 0.005 0.373 0.001 0.005 0.006 0.006 0.007 0.000 0.007 0.000	F3_GE 0.424 0.082 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.363 0.352 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180 0.020 0.150 0.020 0.150 0.025 0.027 0.134 0.076 0.087 0.217	0.176 0.176 0.176 0.049 1.986 0.381 0.643 0.044 0.141 0.136 0.268 0.385 0.040 0.172 0.049 0.160 0.144 0.134 0.134 0.134 0.134 0.149 0.499 0.217 0.028	F7_GE 0.140 0.105 0.077 0.145 0.130 0.169 0.647 0.426 0.169 0.060 0.085 0.089 0.089 0.089 0.170 0.128 0.170 0.129 0.170 0.129 0.170 0.123 0.149 0.170 0.123 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149 0.149	0.225 0.099 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.046 0.046 0.046 0.046 0.046 0.032	Fz_GE 0.258 0.258 0.099 0.464 0.104 0.104 2.309 0.055 0.074 0.151 0.085 0.111 0.085 0.131 0.093 0.026 0.332 0.090 0.106 0.111 0.093 0.028 0.003 0.046 0.111 0.093 0.040 0.091 0.111	P3.GE 0.202 0.274 0.056 0.066 0.066 0.165 0.068 0.405 0.405 0.407 0.141 0.140 0.036 0.041 0.047 0.146 0.047 0.056 0.059 0.059 0.059 0.059 0.059 0.030 0.059 0.030	P4_GE 0.472 0.111 0.058 0.119 0.069 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.003 0.021 0.104 0.440 0.440 0.477 0.036 0.088 0.281 0.008 0.008 0.008 0.008 0.008 0.008 0.009 0.005 0.009 0.005	P7.GE 0.352 0.352 0.172 0.177 0.177 0.270 0.270 0.270 0.280 0.544 0.430 0.313 0.421 0.264 0.398 0.398 0.398 0.398 0.399 0.991 0.127 0.127 0.089 0.391 0.048 0.300 0.300 0.300 0.300 0.300	P8.GE 0.532 0.0222 0.084 0.211 0.332 0.332 3.041 0.579 0.429 0.165 0.124 0.150 0.124 0.150 0.128 0.128 0.147	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.319 0.032 0.327 0.032 0.327 0.057 0.037 0.995 0.210 0.312 0.008 0.326 0.155 0.093	PO3_GE 0.550 0.431 0.189 0.056 0.051 0.081 2.360 0.053 0.681 0.387 0.053 0.387 0.053 0.046 0.053 0.053 0.053 0.043 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.054 0.054 0.057 0.057 0.057 0.058	PO4_GE O.935 O.935 O.950 O.950	P9_GE 0.389 0.416 0.167 0.167 0.088 0.281 2.406 0.094 0.094 0.070 0.110 0.058 0.421 0.070 0.115 0.260 0.070 0.115 0.360 0.360 0.360 0.370 0.088 0.312 0.088 0.312 0.061	P10_GE 0.277 0.152 0.327 0.152 0.327 1.487 0.341 0.088 0.094 0.026 0.026 0.0394 0.010 0.010 0.026 0.0394 0.077 0.339 0.077 0.0	01_GE 3.370 0.931 0.128 0.656 0.274 0.917 2.938 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245 0.131 0.095 0.245 0.131 0.095 0.245 0.131 0.095 0.245 0.031 0.031 0.031 0.031 0.031 0.031	02. GE 2.049 0.609 0.609 0.088 0.352 1.104 3.190 0.766 0.285 0.143 0.029 2.007 0.245 0.152 0.104 0.147 0.438 0.009 0.253 0.361 0.413 0.082 0.0020 0.021
AD_1' AD_2' AD_3' AD_4' AD_5' AD_6' AD_7' AD_6' AD_9' AS_1' AS_2' AS_3' AS_5' AS_5' AS_6' AS_7' AS_8' AS_0' C_1' C_2' C_3' C_4' C_5' C_6' C_7' C_8'	ADHD ADHD ADHD ADHD ADHD ADHD ADHD ADHD	F1_GE	F2_GE 0.245 0.245 0.095 0.334 0.080 0.252 0.063 1.057 0.373 1.021 0.102 0.005 0.181 0.168 0.171 0.308 0.171 0.308 0.171 0.308 0.076 0.131 0.012 0.020 0.388 0.098 0.098 0.099 0.139 0.099	F3_GE 0.424 0.082 0.079 0.095 0.135 0.203 0.480 0.363 0.335 0.089 0.221 0.152 0.059 0.100 0.133 0.264 0.066 0.180 0.022 0.150 0.257 0.134 0.076 0.262 0.087	F4_GE 0.211 0.117 0.061 0.176 0.049 1.986 0.381 0.643 0.066 0.044 0.136 0.268 0.385 0.040 0.172 0.049 0.172 0.049 0.172 0.049 0.172 0.049 0.190	0.145 0.130 0.105 0.107 0.145 0.130 0.537 0.647 0.426 0.169 0.060 0.178 0.093 0.089 0.085 0.348 0.170 0.123 0.303 0.149 0.115 0.485 0.111 0.485	0.225 0.099 0.225 0.042 2.204 0.414 0.128 0.078 0.186 0.546 0.046 0.046 0.046 0.0417 0.328 0.137 0.231	Fz_GE 0.258 0.099 0.464 0.104 0.105 0.074 2.309 0.276 0.551 0.111 0.085 0.311 0.093 0.628 0.090 0.248 0.003 0.496 0.196 0.111 0.098	P3.GE 0.202 0.202 0.056 0.066 0.066 0.165 0.887 0.087 0.087 0.087 0.0405 0.111 0.140 0.036 0.047 0.146 0.047 0.097 0.0991 0.077 0.0991 0.075 0.059 0.059 0.103	P4_GE 0.472 0.111 0.058 0.119 0.109 0.109 0.258 1.873 0.125 0.366 0.275 0.067 0.018 0.001 0.164 0.440 0.177 0.036 0.088 0.038 0.031 0.022 0.058 0.069 0.099 0.099	P7_GE 0.352 0.398 0.172 0.177 0.105 0.270 0.270 0.280 0.084 0.544 0.120 0.208 0.091 0.048 0.430 0.313 0.127 0.069 0.064 0.306 0.064 0.306 0.068 0.308 0.059	P8.GE 0.532 0.052 0.084 0.022 0.084 1.579 0.332 0.332 0.429 0.165 0.138 0.150 0.150 0.124 0.150 0.128 0.128 0.042 0.058 0.128 0.049 0.058	POZ_GE 1.368 0.996 0.117 0.199 0.053 1.265 2.527 0.074 0.536 0.117 0.073 0.024 0.327 0.151 0.057 0.037 0.795 0.210 0.312 0.008 0.326 0.155 0.093 0.093	PO3_GE	PO4_GE PO4_GE PO4_GE PO4_GE PO4_GE PO5_GE PO5	P9 GE 0.389 0.416 0.167 0.305 0.088 0.281 2.406 0.994 0.816 0.242 0.070 0.110 0.058 0.421 0.260 0.070 0.105 0.307 0.307 0.088 0.388 0.888 0.088 0.088	P10_GE	01_GE 3.370 0.931 0.128 0.056 0.656 0.656 0.656 0.674 0.917 0.917 0.931 0.041 0.685 0.219 0.153 0.081 0.037 0.269 0.245 0.131 0.095 0.249 0.418 0.031 0.334 0.346 0.346	02.GE 2.049 0.609 0.088 0.352 1.104 3.190 0.139 0.766 0.285 0.143 0.134 0.029 2.007 0.245 0.143 0.147 0.147

APPENDIX III – FACIAL IMAGES

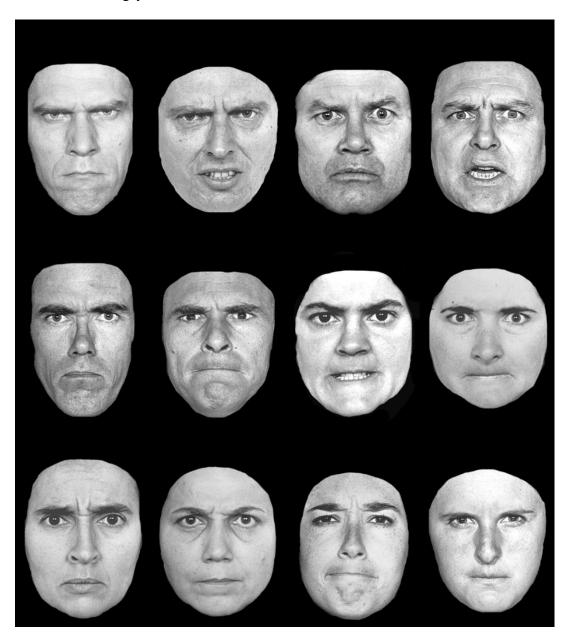
Male Neutral Faces



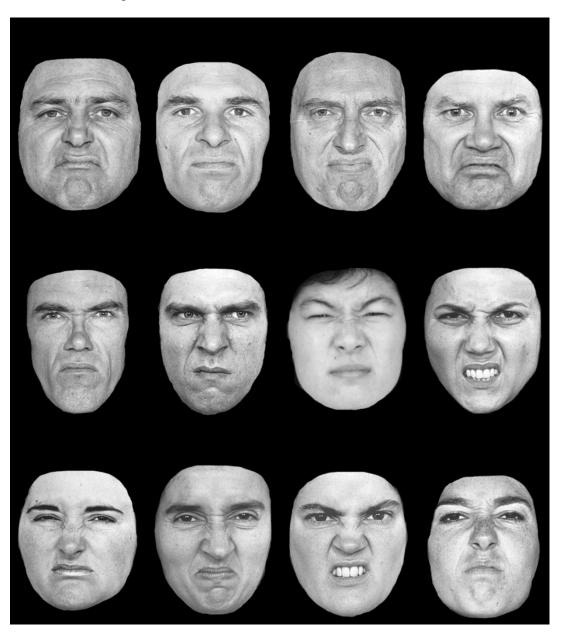
Female Neutral Faces



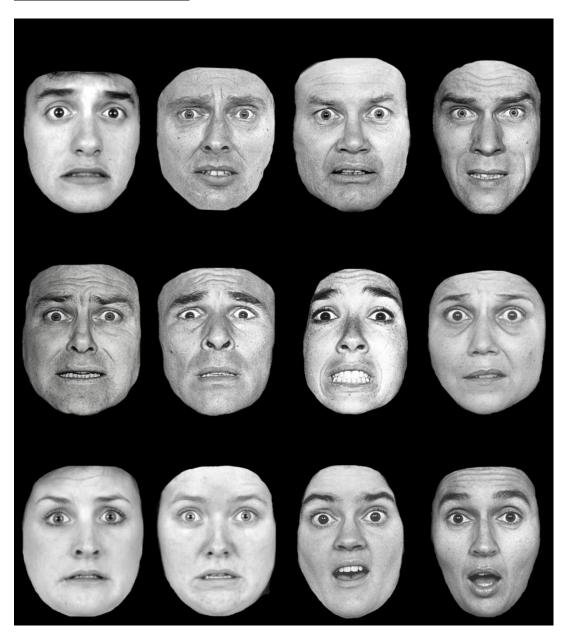
Male/Female Angry Faces



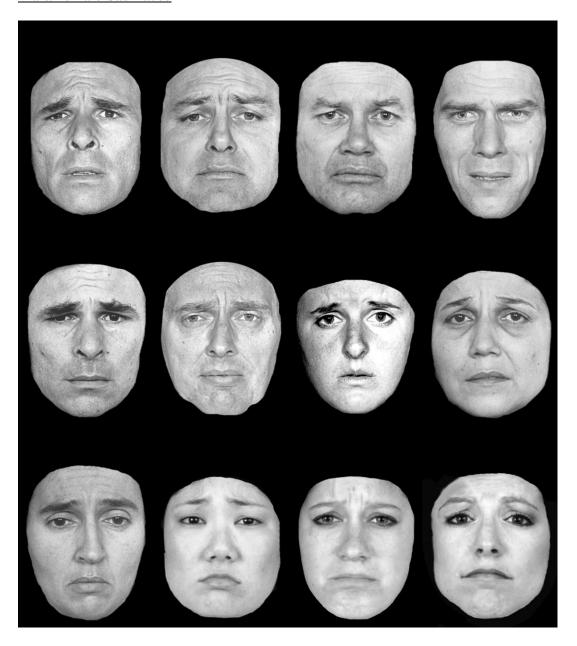
Male/Female Disgusted Faces



Male/Female Fearful Faces



Male/Female Sad Faces



VITA

Eric Gross is currently completing his Masters of Engineering degree in Bioengineering at the University of Louisville J.B. Speed School of Engineering. He received his Bachelors of Science degree in Bioengineering from the University of Louisville in May of 2011. Notable honors and awards include receiving the Grawemeyer Scholarship, the Ronald C. Ernst Award, the Mickey R. Wilhelm Achievement Award, the Jerry and Pat Sturgeon Academic Excellent Award, and graduating with Highest Honors in his undergraduate class. The work presented in this thesis is expected to be published in the second quarter issue of the *Journal of Neurotherapy* in 2012. Eric plans to pursue a career in medicine following his graduation.