EXAMINING THE RELATIONSHIP BETWEEN THE GENOTYPE AND REDEFINED PHENOTYPE OF DENTAL CARIES

by

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Submitted to the Graduate Faculty of

the School of Dental Medicine in partial fulfillment

of the requirements for the degree of

Doctor of Philosophy

University of Pittsburgh

2016

UNIVERSITY OF PITTSBURGH

SCHOOL OF DENTAL MEDICINE

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Dental caries is a multifactorial infectious disease and is a major public health problem estimated to affect 60 to 90 percent of school children as well as a vast number of adults. At this time, the best predictor of dental caries for a patient is whether or not they have had caries in the past. We have eight hundred seventy-six whole saliva samples collected from Norwegian patients from one of five primary care dental centers in Rogaland County. The University of Pittsburgh IRB under protocol #12110620 approved these study samples. dmft/DMFT scores were collected at ages 5, 12, 14, 16, 17, and 18 according to World Health Organization (WHO) Protocols. DNA was extracted from whole saliva using Oragene kits and an established protocol. Our objective was to use the dmft/DMFT scores over time to redefine the phenotype of caries and look for patterns of the disease in order to assist in the identification of individuals at risk for caries and aid in the development of new strategies of prevention. We aimed to categorize the patients according to characteristics such as more or less acute increases in their dmft/DMFT scores. We also aimed to compare our newly formed definitions with definitions based on dmft/DMFT cutoffs we have been using in our studies. We generated genotyping data using Taqman chemistry in SNPs involved in processes such as enamel formation and salivary contributions and test for association with caries defined using longitudinal caries experience scores. We

compared dmft/DMFT data to diet data and dental erosion scores to determine the role of diet within our population and determine if dental caries and dental erosion scores are associated. Funding for this study came from NIH/NIDCR R01-DE18914 and graduate support from the University of Pittsburgh School of Dental Medicine.

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PREFACE

I would like to thank all of those who made my PhD project possible. First and foremost, I would like to thank Dr. Alexandre Vieira, my advisor and mentor. Through his guidance I have been able to work toward my goal of becoming a successful independent researcher.

Second, I would like to thank my committee members Dr. Mary Marazita, Dr. Adriana Modesto and Dr. Seth Weinberg, who have supported me throughout my graduate studies.

I gratefully acknowledge other members of the Vieira lab: Kathleen Deeley, who assisted me with my bench work and has acted as a mentor to me as well, Jessalyn Forella, Nicholas Shirey, and Mariana Bezemat. Additionally, I would like to thank Elaine Dizak for her administrative support. I would like to also thank Garrett Jeffries and my family for their love and support.

Finally, I would like to acknowledge Jenny Bogstad Søvik, Aida Mulic, and Anne B. Tveit of Department of Cariology, University of Oslo, Oslo, Norway, and the Norwegian patients and dentists who contributed to this study, for without them none of it would have been possible.

I am very grateful for the opportunity to complete my doctor of philosophy degree here at the University of Pittsburgh.

1.0 INTRODUCTION

1.1 DENTAL CARIES

Dental caries is a chronic, multifactorial disease. Multifactorial diseases are those that have many contributing factors, such as genetic, lifestyle, and environmental influences. Dr. Paul H. Keyes, a dentist and former member of the National Institute of Dental Research, was one of the first dentists to describe dental caries in this way. He described the roles of patient's diet, immune response, genetics, and microbiota present in the oral cavity in his research (Keyes, 1960; Keyes, 1962). It is important to keep this idea of many contributing factors in mind when studying this disease, as it makes the disease more complex and difficult to fully understand.

Dental caries is characterized by the gradual demineralization of enamel, dentin, and cementum. The localized area of destruction of these tissues is called the carious lesion. Caries ranges anywhere from initial small amounts of mineral loss to total destruction of the tooth. The start of a lesion is usually characterized by a white spot, which is the result of an increase in internal enamel porosity causing the enamel to appear opaque and white (Fejerskov and Kidd, 2008). The lesions can be actively progressing or arrested at any given time. While caries are diagnosed based on the mineral loss seen by the clinician, their formation requires oral bacteria from dental plaque (Fejerskov and Kidd, 2008).

In Sweden, the well-known Vipeholm studies supported the idea that sugar plays a role in the disease (Gustafsson et al., 1954; Krasse, 2001). These studies were conducted in Sweden from 1945-1954 at Vipeholm Hospital, a medical institution for patients with mental handicaps (Gustafsson et al., 1954; Krasse, 2001). Patients' stays in the hospital were relatively permanent, which allowed for long-term studies to be conducted in a controlled environment (Gustafsson et al., 1954; Krasse, 2001). The Vipeholm studies concluded that patients who had increased intake of sugars through sweet breads and toffees between meals also had an increase in caries experience (Gustafsson et al., 1954; Krasse, 2001). However, there were also groups of patients who either developed no new dental caries despite increased sugar intake, and patients who developed new carious lesions despite restrictions of sugar in their diet (Gustafsson et al., 1954; Krasse, 2001). These last two conclusions showed that dental caries is reliant on other factors, not only sugar intake. The Vipeholm studies led to further study of the role of diet in dental caries while increasing the desire for sugar substitutes and increased preventative practices (Krasse, 2001). Additional studies have supported the correlation between dental caries and sugar intake (Sreebny, 1982). Some researchers have tried to start at the beginning and research older populations to look for a difference in caries experiences throughout the ages. In a study by Grimoud et al, it was found that older populations from the Chalcolithic period had less dental caries than populations from the Middle ages. A reason for this could be that agriculture and consumption of cereals, and thus carbohydrates, were significantly less common in the Chalcolithic period than the Middle ages (Grimoud et al., 2011).

In addition to the diet, oral microbiota play a part in dental caries. Humans have resident microflora throughout their body. These microflora have protective properties for the host against pathogenic microbiota such as being competitors for resources and saturating

colonization sites (Fejerskov and Kidd, 2008). Some resident microbiota can over colonize, though, and cause problems, such as those involved in caries.

When babies are born, their mouths are usually sterile. They begin acquiring resident oral microbiota soon after birth from their mothers' saliva and from nutritious fluids and food (Li and Caufield, 1995; Li et al., 2005). Tooth eruption provides a habitat for even more species of microbiota, as the teeth are a non-shedding surface that allows the formation of biofilms in the form of dental plaque (Fejerskov and Kidd, 2008). The bacterium usually associated with dental caries is Streptococcus mutans (Loesche, 1986; Ge et al., 2008). Lactobacilli are also strongly associated with areas on the teeth that are in need of restorations due to carious lesions (Loesche et al., 1984). S. mutans and lactobacilli are found in most patients' mouths, even those without caries. However, their greatest concentration is usually in and around carious lesions (Loesche, 1986). In general, the bacteria thrive when the host consumes a high sugar or high carbohydrate diet and their metabolic processes produce acid, which contributes to enamel erosion. Other factors contribute to the formation and progression of dental caries, but it is because of the presence of oral bacteria and their contribution that we can call dental caries an infectious disease (Keyes, 1960; Loesche et al., 1984; Fejerskov and Kidd, 2008).

Aside from diet and oral microbiota, the host itself plays a role in dental caries. For instance, the immune system of the host plays a part in the disease since caries triggers inflammation and is considered infectious. *Arachidonate 15-lipoxygenase (ALOX15)* and *Beta-defensin 1 (DEFB1)* are examples of immune response genes that may play a role in the inflammatory response triggered by carious lesions (Nandula et al., 2007). Aquaporins have also been associated with dental caries. Aquaporins are water channel proteins that may be involved in formation of saliva or other salivary contributions to caries experience (Matsuki-Fukushima et

al., 2008). Host behavior may also contribute to the disease since the patient's dietary preferences may contribute. For example, taste preferences may influence dietary behavior, which in turn may influence whether or not a patient develops caries. Studies have shown some taste genes to be associated with caries (Wendell et al., 2010). There are also a range of enamel formation genes such as amelogenin, tuftelin, and ameloblastin, which exhibit variation and association to dental caries (Patir et al., 2008; Ergoz et al., 2014).

Certain groups of people are also at a higher risk for dental caries and poor oral health than others due to a large variety of reasons. Studies have shown that caries incidence increases with age and that women have more dental caries than men (Warren et al., 2000; The World Health Organization, 2003; Fejerskov and Kidd, 2008; Saunders and Meyerowitz, 2005; Lukacs, 2007; Mungia et al., 2008; Jindal et al., 2011; Ferraro and Vieira, 2010; Gati and Vieira, 2011; Lukacs, 2011). Tobacco use causes poor oral health and poor response to oral infections, so users are more prone to dental caries than non-users (The World Health Organization, 2003). Socioeconomic status can also play a role. For instance lower income patients all over the world tend to have poorer oral health due to limited or no access to dental care and inability to practice good oral hygiene, as well as potential for limited access to fluoridated water (The World Health Organization, 2003).

There are a huge number of other factors that can play a part in poor oral health such as having additional diseases like diabetes, HIV/AIDS, epilepsy, and asthma, as well as factors such as ethnicity and education (The World Health Organization, 2003; Fejerskov and Kidd, 2008; Anjomshoaa et al., 2009; Nedwick-Castro and Vieira, 2012; Ergoz et al., 2014; Johnston and Vieira, 2014). Because of this, it is obvious that dental caries is multifactorial and the disease

cannot be narrowed down to one single contributor or cause which makes it difficult to study and prevent.

1.2 DENTAL EROSION

While caries is a form of dissolution of tooth structure due to acid produced by bacteria, it is different from dental erosion, which is dissolution of top layers of tooth structure due to acid attacks from non-bacterial sources such as drinks and food. Unlike caries, it only affects the exposed outer surfaces of tooth, while caries can invade deeper tooth structure and form subsurface or cavitated lesions (Fejerskov and Kidd, 2008). Usually, proximal surfaces and surfaces under plaque are unaffected by erosion.

Dental erosion is caused by acid from food and drink, stomach acid due to vomiting or reflux, occupational exposure, or is idiopathic (Fejerskov and Kidd, 2008). Studies have shown specifically that soft drinks, juice, and fruits are culprits of dental erosion, especially in younger patients (Jensdottir et al., 2006; Fejerskov and Kidd, 2008; Cheng et al., 2009; Sovik, Skudutyte-Rysstad, et al., 2015). Additionally, few studies have shown the genetic influence of the disease. Previous studies of the population used in this thesis showed association between enamel formation genes and dental erosion (Sovik, Vieira, et al., 2015a). As dental erosion is a multifactorial and complex disease, it is possible that other genes may play a role in the etiology of the disease.

1.3 PREVIOUS RESEARCH

The overall goal for studying dental caries is to determine the mode of the disease. This overarching goal can be divided in to smaller goals, one of which is identifying genes associated with caries to better understand the host's role in the disease. In 2008 a genome wide linkage study was performed to look for possible genomic regions that play a part in caries experience (Vieira et al., 2008). From this study, additional projects determined more specific loci and potential gene influence in dental caries. These and other previous studies that led to the choosing of single nucleotide polymorphisms (SNP) for genotyping in part 3 below are listed in text and in Table 5.

Dental erosion has been studied extensively. Relative to this study, there have been projects identifying the most appropriate way to measure dental erosion. In this project, the Visual Erosion Dental Examination (VEDE) was used to score tooth surfaces based on the amount of visually detected erosion (Sovik et al., 2014). This was chosen due to results of a previous study determining the VEDE was a reliable system (Mulic et al., 2010). In addition to this, dental erosion was studied in a population of Norwegian 18 year olds determining that it was prevalent in Norwegian adolescents, which is the type of patient studied below (Mulic et al., 2013). This study did find an association between having dental erosion and having a DMFT>0 ($p<0.01$). An additional study showed significant association between factors such as being male, soft drink consumption, brushing teeth once per day or less, consumption of fruit juice, and having erosion in 18-year-old Norwegian patients (Mulic et al., 2012).

The first study to describe the specific Norwegian population used in this project was published in 2014 (Sovik et al., 2014). In this population, erosive wear was more prevalent

among men and there were no significant associations between erosive wear and caries experience, socioeconomic background, or origin of birth (Sovik et al., 2014). Two studies then used this population again to determine if dental erosion was associated with certain dietary factors and if enamel formation genes were associated with erosion (Sovik et al., 2015; Sovik et al., 2015a). In the first, it was found that eating sour sweets and drinking acidic beverages (specifically sports drinks) is associated with dental erosive wear in the population, while tooth brushing frequency was not (Sovik, Skudutyte-Rysstad, et al., 2015). In the second study, the enamel formation genes *ameloblastin, amelogenin, enamelin, tuftelin 1*, and *tuftelin interacting protein 11* were genotyped in the population and a significant association was found between *amelogenin* and *enamelin* and having dental erosion (Sovik et al., 2015b).

1.4 HYPOTHESIS AND SPECIFIC AIMS

Dental caries is a major public health problem and is estimated to affect 60 to 90 percent of school children as well as a vast number of adults. Currently, the best predictor of caries experience for a patient is whether or not the patient has had dental caries in the past. While this is a way to predict future experience and increase preventative care for at-risk patients, it is not the most practical tool for identifying the first onset of the disease. Here we have a chance to evaluate how the disease has progressed since we have longitudinal data. Therefore, we hypothesize that there are individuals that present particular disease progression patterns and that these patterns associate to specific caries risk factors.

In Section 2.0 is the first specific aim of the study, which is to categorize patients according to characteristics such as more or less acute increases in their dmft/DMFT scores. Patients will be separated into multiple groups, which can be used as the phenotypes for the second aim. This work would also allow us to better define the phenotype of caries experience, which would aid in the prediction and diagnosis of the disease.

In the second specific aim we will generate genotyping data for SNPs involved in processes such as enamel formation and salivary contributions and test for association with caries defined using longitudinal caries experience scores. Genes involved in saliva formation, immune response, and tooth development could contribute to risk of caries in patients, either independently or acting with other factors such as diet, oral microbiota, and fluoride exposure. Successfully identifying whether these genes are associated with caries experience could help provide insight into the etiology of the disease and perhaps reveal patterns of the disease that assist in the identification of individuals at risk for caries and aid in the development of new strategies of prevention. Using the groups created from Specific Aim 1, we will compare patient genotypes and phenotypes and look for association between caries experience and the different gene markers tested.

In Section 4.0 and the final specific aim, we will compare newly defined caries phenotypes to dental erosion scores and diet data to determine if caries experience is associated with erosive wear in the dentition. The mechanisms of dental erosion and dental caries are similar to one another at the biochemical level. Both cause some degree of enamel erosion that can seriously and negatively affect the primary and permanent dentition. Dental erosion is the erosion of enamel due to an acid attack of origin other than bacteria, unlike dental caries. It is a multifactorial condition that is related to a number of dietary behaviors such as drinking acidic

drinks and eating acidic foods. We aim to determine if our created dental caries phenotypes are associated with having dental erosive wear and certain dietary habits.

2.0 CATEGORIZATION OF PATIENTS ACCORDING TO CARIES EXPERIENCE

2.1 SUBJECTS AND METHODS

The 876 human subjects came from Western Norway. Patients were unrelated to one another, healthy, and had regular access to dental care. Eight calibrated clinicians collected the DMFT/dmft data as part of a routine dental examination. Calibrations are part of the activities of these clinicians as representatives of the Norwegian health system. No intra- or inter-examiner reliability data were calculated. DMFT/dmft scores were recorded at different ages and depending on the birth year of participants, they had four, five, or six DMFT scores overtime. Children born in 1994 had DMFT/dmft data recorded at ages 5, 12, 14, 16, 17, and 18. Children born in 1995 had DMFT/dmft data recorded at ages 5, 12, 14, 16, and 17. Finally, children born in 1996 had DMFT/dmft data recorded at ages 5, 12, 14, and 16. This study was approved by both the Institutional Review Board (IRB) of the University of Oslo and University of Pittsburgh and written informed consent was obtained from all participants. DMFT and dmft scores were not combined in this study.

Dental caries was diagnosed using a modified World Health Organization protocol recommended for oral health surveys (The World Health Organization, 2003). Teeth lost to trauma or primary teeth lost to exfoliation were not included in the final dmft scores. When records indicated that teeth were extracted for orthodontic reasons or periodontal disease, or

treatments were performed in sound teeth, these situations were not included in the final dmft scores. Carious lesions were recorded as present when a break in enamel was apparent upon visual inspection and included white spot lesions as evidence of caries. Teeth missing or damaged due to other oral health conditions such as enamel hypoplasia were not included in the scoring.

The population included 451 female patients and 405 male patients. The longitudinal DMFT/dmft data were analyzed to determine if there were patterns in dental caries experience progression in the studied adolescents. Patients were clustered into groups based on their DMFT/dmft scores and sex. The mean DMFT/dmft score for the population was approximately 3.5. Chi-square probabilities were evaluated on all sets of comparisons. Differences observed in the caries phenotype groups between sexes were assessed by the chi-square test with statistical significance set at $p < 0.05$.

2.2 RESULTS

The definitions of the caries phenotype we have been using in our studies (Shimizu et al., 2012; Briseño-Ruiz et al., 2013; Shimizu et al., 2013; Küchler et al., 2013a; Küchler et al., 2014; Weber et al., 2014; Feng et al., 2014) considers the permanent dentition DMFT scores and includes individuals caries free (DMFT of zero), individuals with low caries experience, which would include subjects with a DMFT of one, two, or three, and individuals with a high caries experience, which would include subjects with a DMFT of four or more. We chose our high caries DMFT/dmft score as four or more due to the mean DMFT/dmft score for the population

being 3.5. The characteristics of this clustering of patients are located in Table 1. A chi-square analysis showed no differences between sexes within each of these three groups. A graphical representation of what the longitudinal DMFT/dmft data for patients placed in each group is included in Figure 1.

Table 1. Breakdown of all patients based on DMFT scores in the permanent dentition.

Group (Phenotype)	**Females (n_1)**	**Males (n_2)**	**Total**	**p-value**
Low Caries	161 (18.8%)	140 (16.4%)	301 (35.2%)	0.7294
High Caries	182 (21.3%)	172 (20.1%)	354 (41.4%)	0.5306
No Caries	108 (12.6%)	93 (10.8%)	201 (23.4%)	0.7346
Total	451 (52.7%)	405 (47.3%)	856	-

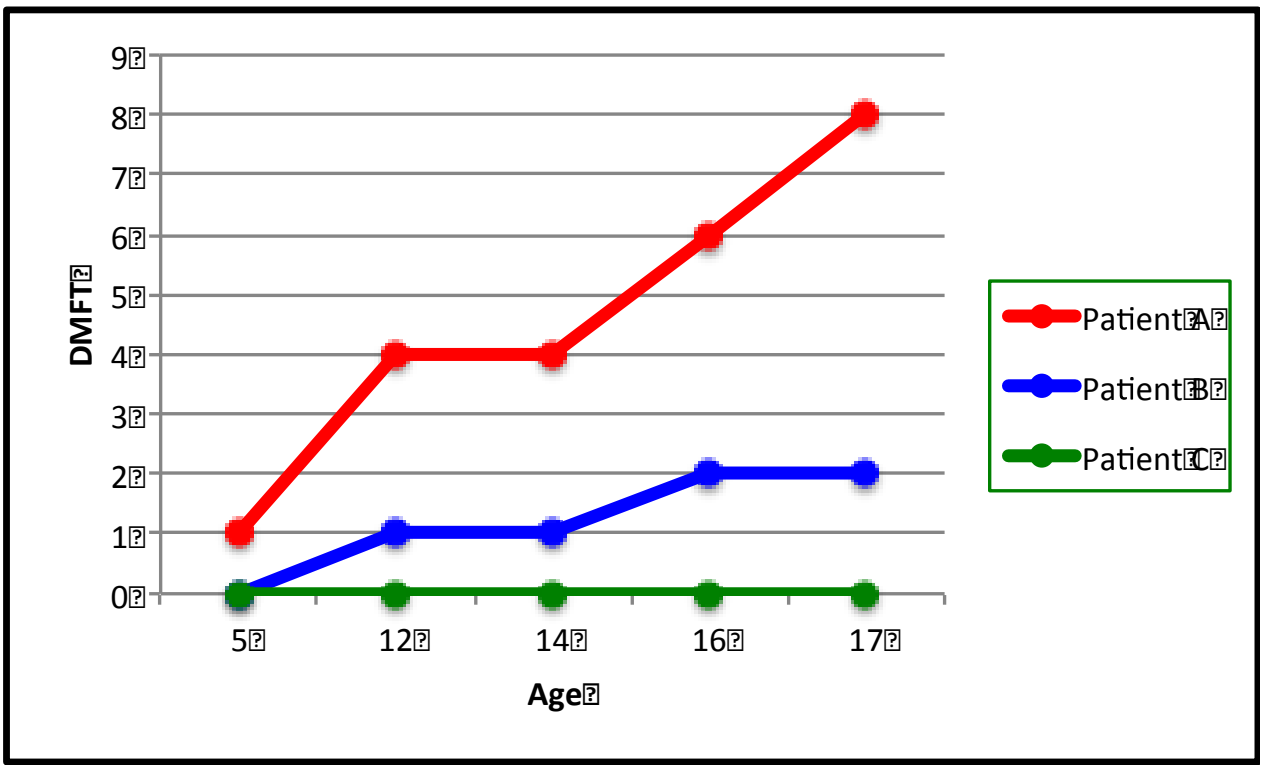

Figure 1. Graphical representation of selected Table 1 patients' longitudinal DMFT data. Patient A exhibits high caries experience with a DMFT of four or more. Patient B has low caries experience and Patient C has no caries experience.

Next, patients were subdivided into more discrete groups. First patients from the high caries experience group were split into a high caries group with a DMFT of four or more and a very high caries group with a DMFT of eight or more. Eight was chosen as the DMFT cutoff since it is double the number used for high caries experience. These results are located in Table 2. A chi-square analysis showed no differences between sexes within each group. A graphical representation of what the longitudinal DMFT/dmft data for patients placed in each group is included in Figure 2.

Table 2. Breakdown of high caries patients into high caries and very high caries groups, based on a DMFT of eight or more.

Group (Phenotype)	Females (n_1)	Males (n_2)	Total	p-value
High Caries (4-7)	123 (34.7%)	123 (34.7%)	246 (69.5%)	0.3174
Very High Caries (8+)	59 (16.7%)	49 (13.8%)	108 (30.5%)	0.6653
Total	182 (51.4%)	172 (48.6%)	354	-

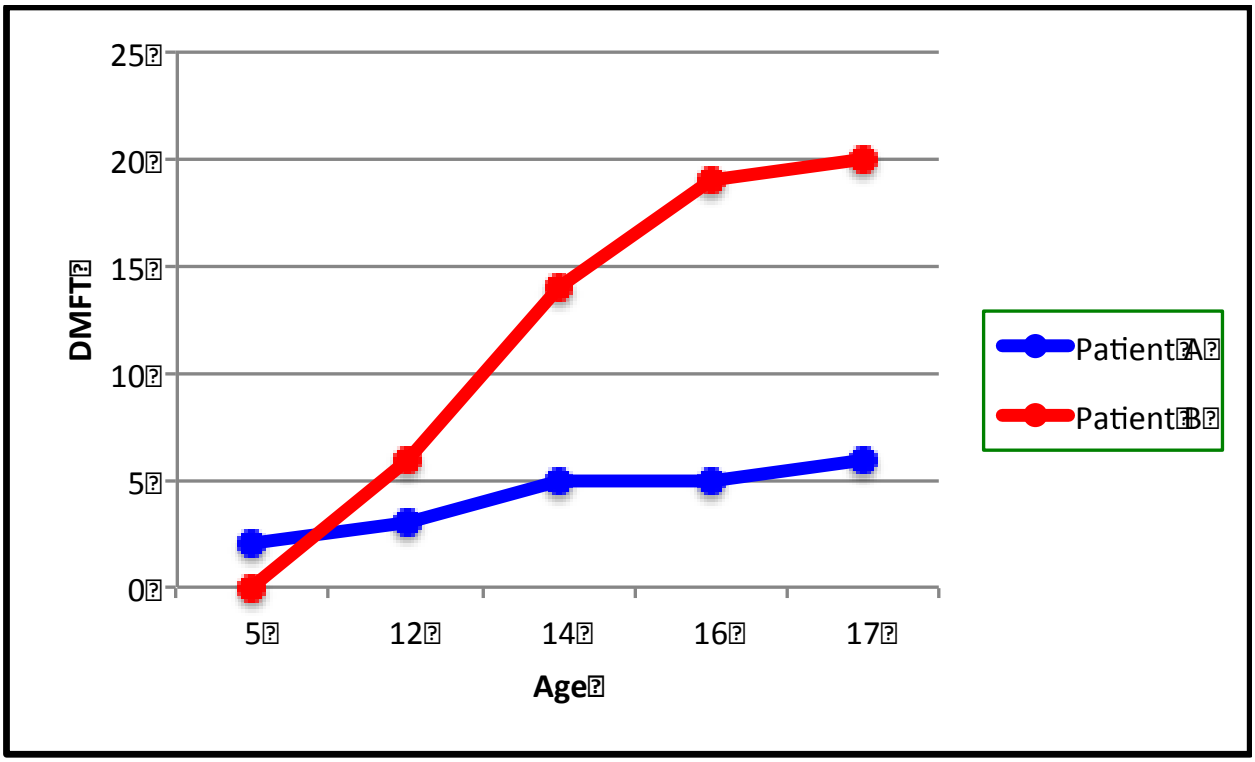

Figure 2. Graphical representation of selected Table 2 patients' longitudinal DMFT data. Patient A has high caries experience with a DMFT of six which is greater than four but less than eight. Patient B has very high caries experience with a DMFT score of 20 which is much greater than eight.

We also separated patients based on whether or not they had an acute increase in caries experience between two time points. We called these acute increases "spikes" for short and looked to see if patients experienced more than one over time. 128 patients had a spike of four or more between two time points while the next most common spike was five and occurred in only 42 patients. Therefore, a spike was chosen as an increase in DMFT of four or more

between two time points based on our previous determination of high caries experience and based on the distribution of increases between time points across the population. Patients were broken down into two groups, those with a spike and those with only a steady increase in DMFT. These results are located in Table 3. A chi-square analysis showed no differences between sexes within each group. A graphical representation of what the longitudinal DMFT/dmft data for patients placed in each group is included in Figure 3.

Table 3 Breakdown of all patients into those with a spike, those without a spike, and those with no caries experience.

Group (Phenotype)	Females (n_1)	Males (n_2)	Total	p-value
Spike	66 (7.7%)	62 (7.2%)	128 (14.9%)	0.7823
No Spike	277 (32.4%)	250 (29.2%)	527 (61.6%)	0.9260
No Caries	108 (12.6%)	93 (10.9%)	201 (23.5%)	0.7346
Total	451 (52.7%)	405 (47.3%)	856	-

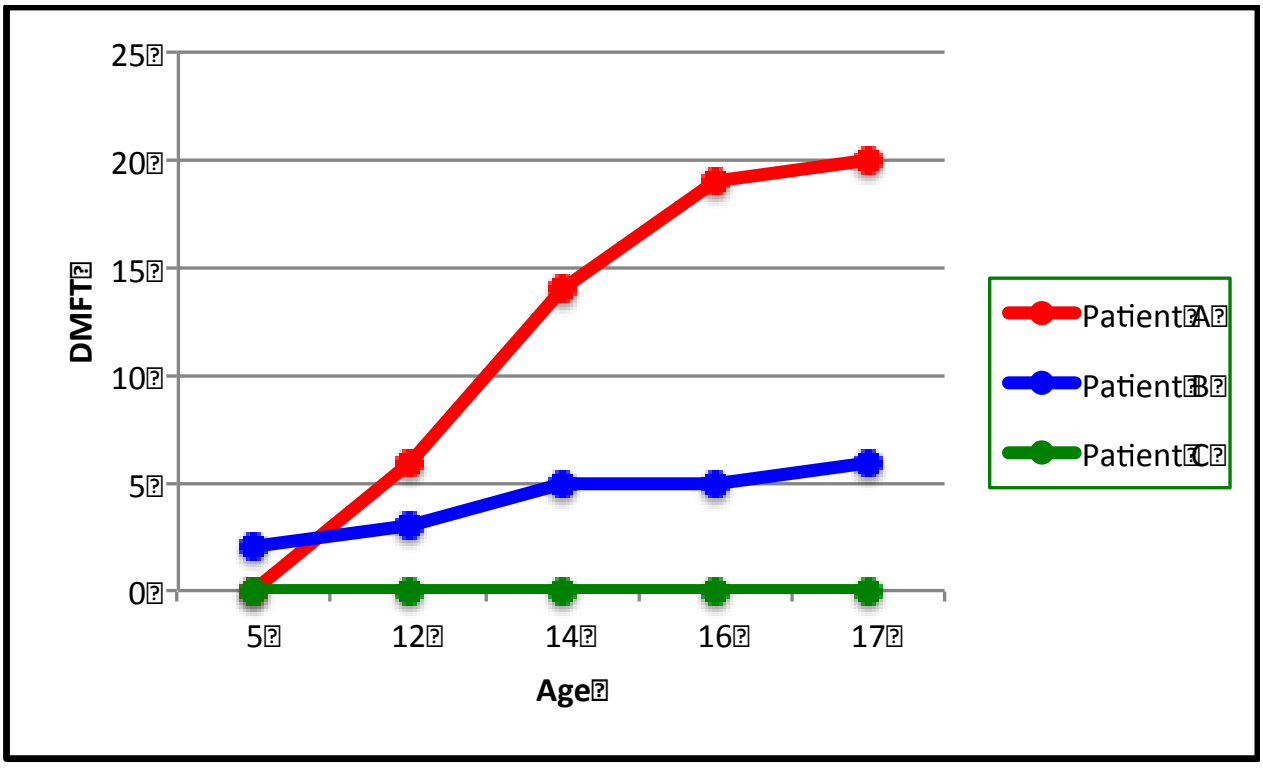

Figure 3. Graphical representation of selected Table 3 patients' longitudinal DMFT data. Patient A shows spikes of four or more between ages 5 and 12, 12 and 14, and between 14 and 16. Patient B has high caries experience but no spike in disease experience between time points. Patient C has no caries experience.

Our final separations of patients involved caries experience in the primary dentition at the age of five time point. Again we looked at high, low, and no caries experience patients based on a dmft score of four or more, 1-3, or zero respectively. Our high caries experience was set at four or more due to the mean of the population dmft being 3.5. These results are located in

Table 4. A chi-square analysis showed no differences between sexes within each group. A graphical representation of what the longitudinal DMFT/dmft data for patients placed in each group is included in Figure 4. We also found that some patients showed a decrease in DMFT/dmft scores between ages five and 12 and attributed this to normal loss of the caries affected primary dentition.

Table 4. Breakdown of all patients based on dmft scores in the primary dentition.

Group (Phenotype)	Females (n_1)	Males (n_2)	Total	p-value
Low Caries	66 (7.6%)	59 (6.8%)	125 (14.5%)	0.9310
High Caries	41 (4.8%)	43 (5.0%)	84 (9.7%)	0.4828
No Caries	344 (40.2%)	307 (36%)	654 (75.8%)	0.6785
Total	454 (52.6%)	409 (47.4%)	863	-

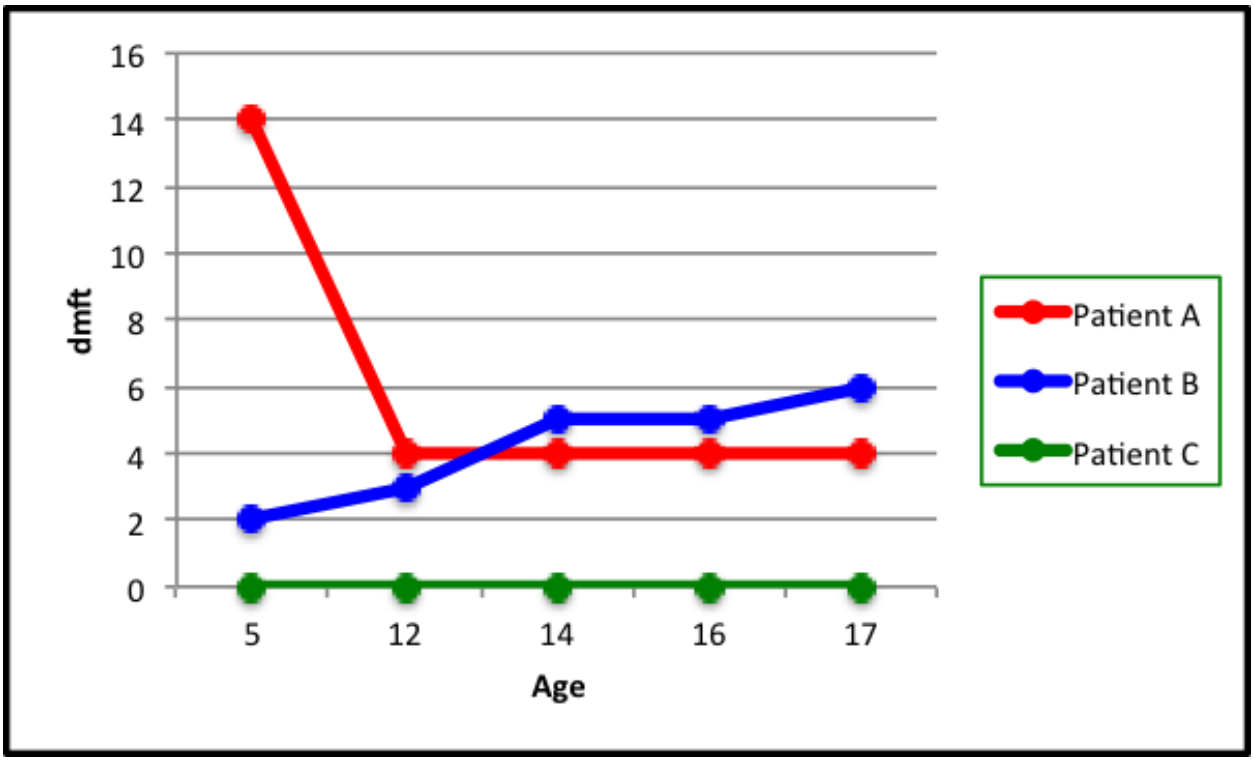

Figure 4. Graphical representation of selected Table 4 patients' longitudinal dmft data. Patient A has a dmft score of 14 at age five and therefore has high caries experience in the primary dentition. Patient A also shows a decrease in caries experience between ages 5 and 12, which can be attributed to exfoliation of the primary dentition. Patient B has a dmft score of two at age five and so has low caries experience in the primary dentition. Patient C exhibits no caries experience.

2.3 DISCUSSION

Despite previous studies using classifications such as high, low, or no caries experience to describe the disease in patients, to our knowledge this is the first attempt to subphenotype the disease based on patterns evident from longitudinal DMFT/dmft data. We created groups based on high, very high, low, spiking, decreasing, and lack of caries experience over time. Our goal is to be able to use these subphenotypes to better understand the progression of dental caries experience and as an additional tool in gene identification studies of the disease.

Because the DMFT/dmft data for patients was collected by eight different clinicians, there may have been some variation in how the DMFT/dmft index was used. Again, the index is not always an accurate measurement for the severity of the disease since it gives equal weight to each symptom and sign of the disease. This along with subjectivity of the diagnosing clinician could cause DMFT/dmft diagnosis to vary more among patients. However, because the DMFT/dmft index is usually the standard method of disease classification among clinicians, we feel that variation would not be high enough within the population to cause significant issues in subphenotyping.

Some patients in the first group born in 1994 had additional DMFT/dmft scores at ages 18. This could allow for patients in this group to have the opportunity to be classified as high caries or with a spike for instance, just because they had data collected at a later time. Patients in the other two groups may eventually have high caries at age 18, but unfortunately we did not have DMFT/dmft data for that time point for those groups.

Our numbers for high caries experience and very high caries experience were a DMFT/dmft score of four or more and eight or more respectively. These numbers were based on the mean DMFT/dmft score for the population. While other numbers could have been chosen based on previous studies or predictions of greater populations, we feel that this was the best method for choosing the high caries cutoffs for our study. We chose a spike in caries experience to be an acute increase of four or more in the DMFT score between time points. Again, while other spike numbers could have been chosen, we felt that the best indication for an acute and significant spike should be that which would place them from the low to high caries group or high to very high caries groups.

We also included groups of patients that exhibited a decrease in the DMFT/dmft scores between ages five and twelve. Normally, DMFT/dmft scores should not decrease based on the nature of the index and how it is used. However, we know that exfoliation or loss of the primary dentition often happens between ages six and 12. Therefore, we attribute the decrease seen in the longitudinal data between those two age groups to exfoliation of the primary dentition. We regarded DMFT scores after the age 12 time-point to be strictly permanent dentition.

Our goal is to be able to use these dental caries subphenotypes to better understand the progression of the disease and as an additional tool in gene identification studies of the disease. Future studies will continue to investigate potential risk factors of the disease to better understand its etiology and perhaps aid in future prevention and treatment strategies.

3.0 ASSOCIATION STUDIES BETWEEN NEWLY DEFINED CARIES PHENOTYPES AND GENES ASSOCIATED WITH ENAMEL FORMATION AND SALIVARY CONTRIBUTIONS

3.1 SUBJECTS AND METHODS

Our initial genotyping focused on single nucleotide polymorphisms (SNPs) related to immune response, enamel formation, and development (Table 5). We chose 8 SNPs within and flanking *Estrogen Related Receptor Beta (ESRRB*), which have been shown previously to be associated with dental caries, especially in individuals with mutations in *DFN35B* that cause hearing impairment (Weber et al., 2014). We also selected markers for genes associated with low caries experience (Briseño-Ruiz et al., 2013; Küchler et al., 2014) and high caries experience (Shimizu et al., 2013; Küchler et al., 2013b). *KLK4* has previously been associated with caries in primary dentition, and this can be investigated further by breaking our phenotype groups down further and looking for association with *KLK4* markers (Wang, Willing, et al., 2012). *ALOX15* and *DEFB1* are examples of immune response genes that may play a role in the inflammatory response triggered by carious lesions. We also selected multiple markers for the aquaporin 5 locus, which are involved with water channels and may also be involved in immune response and salivary contributions to caries experience (Nandula et al., 2007; Matsuki-Fukushima et al., 2008). Finally, we examined four taste genes that may be associated with dental caries (Wendell

et al., 2010). We chose these based on the idea that taste preferences may influence dietary behavior, which in turn may influence whether or not a patient develops carious lesions. Additionally, five enamel formation SNPs were chosen which were previously shown to have association with dental erosion in the same Norwegian cohort (Sovik et al., 2015a).

Table 5. SNPs selected for genotyping

SNP	Chr	Gene	Comments	References
rs9701796	1	*TAS1R2*	Taste genes associated with caries experience	(Wendell et al., 2010)
rs946252	1	*TUFT1*	Contribute to enamel development and microhardness	(Deeley et al., 2008; Shaffer et al., 2011; Shimizu et al., 2012; Shaffer et al., 2015)
rs12640848	4	*ENAM*		
rs4694075	4	*AMBN*		
rs713598	7	*TAS2R38*	Taste genes associated with caries experience	(Wendell et al., 2010)
rs1726866	7	*TAS2R38*		
rs10246939	7	*TAS2R38*		
rs6862039	5	*BTF3*	Previous association with high caries experience	(Shimizu et al., 2013)
rs27565	5	*PART1*		
rs17159702	7	*AQP1*	Salivary contributions	
rs11362	8	*DEFB1*	Potential role in inflammatory response	(Ozturk et al., 2010; Krasone et al., 2014)
rs1800972	8	*DEFB1*		
rs3579129	12	*AQP5*	Potential involvement in immune response and salivary contributions	(Nandula et al., 2007; Matsuki-Fukushima et al., 2008; Anjomshoaa et al., 2015, p.5)
rs1996315	12	*AQP6*		
rs296763	12	*AQP6*		
rs2878771	12	*AQP2*		
rs3736309	12	*AQP5*		
rs461872	12	*AQP2*		
rs3741559	12	*AQP2*		
rs467323	12	*AQP2*		
rs1997532	14	*TRAV4*	Previous association with low caries experience	(Briseño-Ruiz et al., 2013)
rs7150049	14	*TRAV4*		
rs8011979	14	*TRAV4*		
rs10132091	14	*ESRRB*	Individuals with dental caries have an over-representation of the T allele of rs55835922 (74% versus 54%; p=0.01). The SNP rs61742642 is a missense mutation (P386S), but its frequency was just slightly elevated in cases with dental caries (13% versus 9.5%). SNP rs35544003 is a synonymous change.	(Weber et al., 2014)
rs6574293	14	*ESRRB*		
rs1077430	14	*ESRRB*		
rs745011	14	*ESRRB*		
rs4903399	14	*Flanking ESRRB*		
rs2860216	14	*Flanking ESRRB*		
rs1676303	14	*Flanking ESRRB*		
rs55835922	14	*Flanking ESRRB*		
rs1997533	14	*TRAV4*	Previous association with low caries experience	(Briseño-Ruiz et al., 2013)

Table 5 (continued)

SNP	Chr	Gene	Comments	References
rs2619112	17	*ALOX15*	Inflammatory response	(Abbasoglu et al., 2015)
rs7217186	17	*ALOX15*		
rs198968	19	*KLK4*	Previous protection against caries	(Wang, Willing, et al., 2012; Wang, Shaffer, et al., 2012; Abbasoglu et al., 2015)
rs2235091	19	*KLK4*		
rs5997096	22	*TFIP11*	Contribute to enamel development and microhardness	(Shimizu et al., 2012; Shaffer et al., 2011; Shaffer et al., 2015)
rs946252	X	*AMELX*		

We used the Genetic Power Calculator software to estimate statistical power (Purcell et al., 2003). Using the total sample and individuals who are caries free as a comparison group, D' of 1.0, and the frequency of the genetic marker 0.3, we will have 96% power to detect as association assuming alpha 0.05. Power may be lower in some subgroups because they are smaller, but the groups are still large enough to maintain it.

Subjects were asked to spit and provide unstimulated saliva samples, which were collected and stored in Oragene DNA Self-Collection kits (DNA Genotek Inc.) at room temperature. DNA was extracted from this saliva according to standard protocol, without centrifugation. Spectrophotometry (NanoDrop) was used to define the DNA concentrations in each sample, which were then diluted to 2 ng DNA/µl with TE buffer (10 m M Tris-HCl, 1 m M EDTA, pH 8.0). Genotyping was performed using Taqman chemistry on 875 Norwegian patients from chapter one above. This technique involves Taq polymerase degrading probes that anneal to the DNA causing florescence that can be detected at that site. We used an Applied

Biosystems 7900HT Fast Real-Time PCR System to detect the fluorescence and the SDS Plate Utility v2.2 software to determine the subsequent genotypes. We used the discreet dental caries groups defined in the initial analyses, and these comparisons are located in Table 6.

Table 6. Examples of comparisons of created phenotypes based on dmft/DMFT scores.

Comparison	**Sample Size (n)**
No Caries vs. Low Caries	201 vs. 301
No Caries vs. High Caries	201 vs. 373
Low Caries vs. High Caries	301 vs. 373
No primary caries (dmft) vs. Low primary caries (dmft)	647 vs. 125
No primary caries (dmft) vs. High primary caries (dmft)	647 vs. 103
Low primary caries (dmft) vs. High primary caries (dmft)	125 vs. 103
No Caries vs. Very High Caries	201 vs. 128
Very High Caries vs. Low Caries	301 vs. 128
Very High Caries vs. High Caries	245 vs.128
Acute Increase in DMFT vs. No Acute Increase in DMFT	128 vs. 527
Acute Increase in DMFT vs. No Caries	128 vs. 201

With the phenotype groups created from Specific Aim 1, PLINK software was used to compare patients genotypes and phenotypes and look for association between caries experience and the different SNPs tested. In PLINK, we chose the "genotypic (2df) test" to test five models: allelic (C vs. c), genotypic (CC vs. Cc vs. cc), Trend (C vs. c assuming no Hardy Weinberg), dominant (CC and Cc vs. cc), and recessive (CC vs. Cc and cc). A Bonferroni correction was implemented to correct for multiple comparisons.

3.2 RESULTS

A number of SNPs were found to show an association with the created caries phenotypes. These are listed in Table 7 below (full results can be found in Appendix Table 10). This table includes both nominal results as well as the results that hold up after a Bonferroni correction where association was set at p=0.001 (.05/49). The results significant after Bonferroni are in bold.

Table 7. Results of association tests for created dental caries phenotypes. Table shows results for p-values of 0.05 or less. Results in bold are significant after a Bonferroni correction. Full results of the linear regression are included in Appendix Table 12.

Comparison (Affected vs. Unaffected)	SNP	Test	Affected	Unaffected	ChiSq	p-value
No Caries vs. Low Caries	rs9701796	Rec	22/271	6/186	4.097	0.04295
	rs713598	Geno	39/111/115	18/95/65	6.015	0.04942
	rs3736309	Rec	15/229	3/154	4	0.04551
	rs7526319	Allelic	94/350	44/244	3.966	0.04643
No Caries vs. High Caries	rs9701796	Rec	28/326	6/186	4.88	0.02717
	rs10246939	Geno	87/133/92	29/99/49	10.64	0.0049
		Rec	87/225	29/148	8.255	0.004065
	rs1996315	Dom	222/141	138/56	5.505	0.02896
	rs4694075	Dom	185/101	115/39	4.605	0.03188
No Primary Caries vs. Low Primary Caries	rs296763	Rec	11/110	28/574	3.891	0.04853
	rs4903399	Rec	1/114	30/545	4.222	0.0399
	rs2619112	Geno	14/67/30	100/278/211	6.475	0.03927
	rs5997096	Geno	15/54/30	133/235/125	6.182	0.04545
		Allelic	84/114	501/485	4.64	0.03123
		Trend	84/114	501/485	4.534	0.3324
		Rec	15/84	133/360	6.15	0.01314
No Primary Caries vs. High Primary Caries	rs11362	Rec	19/59	74/410	4.001	0.04546
	rs1800972	Rec	4/45	6/288	5.562	0.01835
	rs1997533	Rec	4/93	61/528	3.772	0.05212
	rs2235091	Geno	20/32/40	55/253/281	12.68	0.001762
		Allelic	72/112	363/815	5.062	0.02445
		Trend	72/112	363/815	4.88	0.02717
		Rec	20/72	55/534	12.49	**0.0004099**
Low Primary Caries vs. High Primary Caries	rs296763	Geno	2/42/52	11/40/70	6.137	0.0465
		Rec	2/94	11/110	4.667	0.03074
	rs4903399	Rec	6/83	1/114	5.221	0.02232
	rs2235091	Geno	20/32/40	7/52/57	11.38	0.003375
		Allelic	72/112	66/166	4.85	0.02765
		Trend	72/112	66/166	5.282	0.02155
		Rec	20/72	7/109	11.2	**0.0008168**
	rs5997096	Allelic	72/62	84/114	4.102	0.04284
		Trend	72/62	84/114	4.499	0.03391

Table 7 (continued)

Comparison (Affected vs. Unaffected)	SNP	Test	Affected	Unaffected	ChiSq	p-value
No Caries vs. Very High Caries	rs17159702	Geno	31/86/72	32/56/33	6.223	0.04454
		Allelic	148/230	120/122	6.544	0.01052
		Trend	148/230	120/122	6.135	0.01325
		Dom	117/72	88/33	3.858	0.04952
		Rec	31/158	32/89	4.596	0.03204
	rs10246939	Geno	29/99/49	26/42/40	7.872	0.01952
	rs1996315	Geno	41/97/56	21/50/52	6.027	0.04912
		Allelic	179/209	92/154	4.694	0.0347
		Trend	179/209	92/154	4.46	0.03026
		Dom	138/56	71/52	6.027	0.01409
	rs2860216	Allelic	83/259	69/145	4.213	0.0401
Very High Caries vs. Low Caries	rs17159702	Geno	43/135/104	32/56/33	8.049	0.01787
		Allelic	221/343	120/122	7.507	0.006145
		Trend	221/343	120/122	7.295	0.006915
		Rec	43/239	32/89	7.01	0.008108
	rs467323	Trend	102/154	54/60	4.796	0.02853
	rs1996315	Allelic	267/327	92/154	4.053	0.04409
		Dom	202/95	71/52	4.048	0.04422
Very High Caries vs. High Caries	rs17158702	Allelic	188/282	120/122	5.981	0.01446
		Trend	188/282	120/122	5.515	0.01885
		Dom	146/89	88/33	3.984	0.04594
	rs10246939	Allelic	213/195	94/122	3.717	0.05385
		Dom	152/52	68/40	4.528	0.03334
	rs461872	Geno	9/43/13	8/11/11	7.282	0.02622
		Geno	0/79/21	2/50/5	7.123	0.0284
		Trend	79/121	54/60	5.802	0.01601
		Dom	79/21	52/5	3.929	0.04747
	rs1997532	Allelic	100/322	78/172	4.539	0.03313
		Trend	100/322	78/172	4.192	0.04062
		Rec	13/198	16/109	4.387	0.03621
	rs1997533	Allelic	72/264	54/130	4.061	0.04388
	rs8011979	Geno	10/69/114	16/40/51	9.263	0.009742
		Allelic	89/297	72/142	7.861	0.005051
		Trend	89/297	72/142	7.315	0.006839
		Rec	10/183	16/91	8.304	0.003955
	rs2860216	Allelic	99/303	69/145	4.084	0.04329

Table 7 (continued)

Comparison (Affected vs. Unaffected)	SNP	Test	Affected	Unaffected	ChiSq	p-value
Spike vs. No Caries	rs1996315	Allelic	179/209	94/156	4.523	0.03344
		Trend	179/209	94/156	4.324	0.03757
		Dom	138/56	73/52	5.505	0.01897
	rs9701796	Geno	6/92/94	13/55/52	7.773	0.02052
		Rec	6/186	13/107	7.672	0.005607
	rs10246939	Geno	29/99/49	25/45/40	6.15	0.04618
	rs1726866	Dom	133/54	64/44	4.343	0.03715
	rs2860216	Rec	10/161	13/85	4.383	0.03629
Spike vs. Caries	rs7150049	Allelic	380/578	106/114	5.354	0.02068
		Trend	380/578	106/114	4.536	0.0332
		Rec	94/385	32/78	4.767	0.029
	rs17159702	Rec	87/431	30/90	4.38	0.03637
	rs1726866	Allelic	450/534	82/134	4.332	0.03741
		Trend	450/534	82/134	4.081	0.04336
		Dom	341/151	64/44	4.077	0.04347
	rs1800972	Geno	8/77/158	0/27/28	7.134	0.02824

3.3 DISCUSSION

We hypothesized that specific genes have a detectable influence in caries experience. Genes involved in saliva formation, immune response, behavior, and tooth development could contribute to risk of caries in patients, either independently or acting with other factors such as diet, oral microbiota, and fluoride exposure. Successfully identifying whether these genes are associated with caries experience could help provide insight into the etiology of the disease and perhaps reveal patterns of the disease that assist in the identification of individuals at risk for caries and aid in the development of new strategies of prevention.

There were a few different options for analyzing the data. PLINK was chosen as the software for doing so. According to the PLINK site, "PLINK is a free, open-source whole genome association analysis toolset, designed to perform a range of basic, large-scale analyses in a computationally efficient manner. The focus of PLINK is purely on analysis of genotype/phenotype data (Purcell et al., 2007)." Therefore, it is an applicable program for this study. Genotypic association tests were chosen, which provide an association test in a 2-by-3 table of disease-by-genotype. It provides a few different results including tests in a dominant and recessive model for the minor allele.

A second option to these tests would have been running a non-parametric ANOVA with planned comparisons. This is because comparisons of the different phenotypic subsets were created previously in chapter one. However, ANOVA is a better option when there are many comparisons, and here there were only fifteen comparisons so the PLINK software was used. Also, a Bonferroni correction was also chosen to correct for the Type 1 error that comes with multiple comparisons. Bonferroni is a strict correction that may rule out some associations that are in fact significant. However, it is a solid correction that seems best for human genetics studies. Often studies of the genome require many comparisons and it is not always possible to replicate significant associations that are found in previous studies. Using a stricter correction like a Bonferroni correction makes it more likely that associations found are truly significant and therefore may have a higher potential to be replicated in later studies.

There were a number of SNPs showing an association with the created phenotypes. After a Bonferroni correction, one SNP stood out as significant, rs2235091. This SNP is found in *Kallikrein 4 (KLK4),* an enamel development gene involved in enamel mineralization (Lu et al., 2008). Previously, studies have found that *KLK4* may play a protective role in dental caries

experience (Wang, Willing, et al., 2012). After genotyping in the Norwegian population, rs2235091 was found to be significant in a recessive model as a protective factor for primary caries.

Additional genes were found to be nominally associated with the created caries phenotypes. Genes from the *Aquaporin (AQP)* family, which form water channel proteins, were found to be nominally associated with caries experience. *aquaporin 5 (aqp5)* has been shown in mice to play a role in salivary water contributions, as *aqp5* deficient mice had reduced salivary flow (Culp et al., 2005). In humans, the Aquaporins function in producing normal salivary flow specifically from the parotid gland (Smith et al., 1999). Studies of aquaporin and dental caries has led to findings that it may play a protective role, potentially because it helps the oral cavity with buffering against acids that may demineralize the teeth (Wang, Shaffer, et al., 2012; Anjomshoaa et al., 2015).

Taste gene SNPs rs10246939 in *TAS1R2* and rs10246939 in *TAS2R38* indicated that patients with the recessive allele may have a higher chance of having dental caries. Previous studies have shown associations between these genes and dental caries (Wendell et al., 2010). *TAS2R38* is a gene for a bitter taste receptor. While some studies have shown that this gene is associated with lower caries experience (Yildiz et al., 2016), it could be that patients in this study with the recessive allele may choose more acidic drinks and food due to their bitter taste preferences, which may in turn lead to increased dental caries.

Further nominal genetic associations are listed in Table 7 and studies that support their role in dental caries experience are listed in Table 5. This study had some limitations. Although some significant associations were found between our selected SNPs and our created caries phenotypes, these do not necessarily mean that these genes cause dental caries. Further studies

could be done to look at potential mechanisms and roles these genes play in dental caries experience, and evidence for association will help prioritize future effort aiming to identify the mechanisms underlying the expression of the disease.

Additionally, associations may happen by chance, particularly with multiple comparisons. We attempted to correct for this using Bonferroni correction and other multiple testing correction approaches. Bonferroni is by many considered a strict test, and therefore may rule out associations that are otherwise significant. We did have a large number of nominally significant associations. However, we chose our SNPs based on previous studies linking them to dental caries experience and therefore expect there to be higher amounts of association than in a GWAS using the same phenotypes. Also, by creating more discrete phenotypic groups, we aimed to find more specific associations.

4.0 EVALUATION OF CARIES EXPERIENCE AND EROSION PHENOTYPES

4.1 SUBJECTS AND METHODS

Patients used in the previous section were given self-administered questionnaires to complete describing their oral hygiene and dietary habits by the time the last DMFT score was obtained (Sovik, Skudutyte-Rysstad, et al., 2015) . Prior to initiating the study, the questionnaire was completed by a pilot group (n = 10) to ensure comprehension and legibility (Sovik, Skudutyte-Rysstad, et al., 2015). The survey included questions about brushing, beverage and food consumption, workout habits, and acid regurgitation frequency. A complete list of questions and possible responses are located in Appendix Table 11. Some questions had low frequency of differing responses and so were not included in the following analysis. Those included are listed in Table 8. Responses were given scores to be included in the analysis and are also listed in Table 8.

In recall examinations, dental erosive wear for 795 patients of the Norwegian cohort was determined using the Visual Dental erosion Dental Examination scoring system (Mulic et al., 2010; Sovik, Skudutyte-Rysstad, et al., 2015). Erosion data was collected by 8 calibrated dentists and hygienists, and twenty surfaces of 14 teeth were selected as index surfaces: the occlusal surfaces of the upper and lower first and second molars and the labial and palatal surfaces of the upper incisors and canines. Patients with ≥ 3 index surfaces with dental erosive

wear were defined as affected (Sovik, Skudutyte-Rysstad, et al., 2015). Additional descriptive information on collection of erosion data can be found in previous work (Mulic et al., 2010; Sovik et al., 2014; Sovik et al., 2015b).

A linear regression was performed using PLINK software to look for an association between chosen habits listed in Table 8 and dental erosion, SNPs that were genotyped, and our newly created dental caries phenotypes (Purcell et al., 2007).

Additionally, PLINK software was used to compare patients genotypes and phenotypes and look for association between erosion experience and the different SNPs from Table 5. A Bonferroni correction was implemented to correct for multiple comparisons. Two-group comparisons were made depending on the phenotype definitions implemented, and both chi-square and linear regression analyses were used to test for association between genetic variants and caries definitions. All covariates were included in each model.

Table 8. Covariates included in each linear regression test.

Covariate Number (used in linear regression)	Covariate (Questions from survey)	Responses and scoring for analysis
COV1	Sex	Male = 1, Female = 2
COV2	Last dental visit	0-6mos = 1, 7-12mos = 2, 13-24mos = 3, more than 24mos = 4
COV3	How often patient brushes teeth	"Rarely" =1, "Once daily" =2, "Twice daily" = 3, "More than twice daily" = 4
COV4	How long patient brushes teeth	"Less than two min" = 1, "Between two and five minutes" = 2
COV5	Is a supplemental fluoride source used?	"Rarely or never" = 1 "Once weekly" = 2 "2-3 times per week" = 3, "Daily" = 4
COV6	Frequency of juice intake	"Rarely or less than one time per week" = 1, "1-2 times per week" =2, "3-5 times per week" =3, "once daily" =4, and "more than once daily" =5.
COV7	Frequency of soda/diet soda intake	
COV8	Frequency of sports drink intake	
COV9	Frequency of eating citrus fruits	
COV10	Frequency of eating apples	
COV11	Frequency of eating chips and dip	
COV12	Frequency of eating yogurt	
COV13	Frequency of eating acidic sweets	
COV14	Erosion (Affected > 3 Surfaces)	Affected = 1, Unaffected = 2

4.2 RESULTS

A number of SNPs were found to show an association with the covariates as compared with dental caries experience. These are listed in Table 9 below (full results can be found in Appendix Table 12). Due to the number of p-values below 0.05, this table includes only nominal results with $p<0.01$ as well as the results that hold significant after a Bonferroni correction where association was set at $p=0.001$ (.05/49). The results significant after Bonferroni are in bold.

No significant associations were found between the erosion phenotype and SNPs from Table 5.

Table 9. Results of linear regression. Table shows results for p-values of 0.05 or less. Results in bold are significant after a Bonferroni correction. All phenotypic comparisons were run with genotypes using all covariates listed in Table 8. Full results of the linear regression are included in Appendix Table 12.

Phenotypic Comparison	Chr	SNP	A1	Covariate	NMISS	OR	STAT	p-value
No primary vs. High primary	12	rs461872	A	Supplemental Fluoride	157	2.09	2.605	0.009185
	12	rs467323	A	Chips and Dip	305	2.797	2.853	0.004335
	12	rs3736309	G	Supplemental Fluoride	593	1.323	2.59	0.009596
	14	rs10132091	C	Erosion	675	0.7026	-2.593	0.009517
Very high caries vs. No caries	4	rs4694075	T	Diet Soda Frequency	244	1.756	2.87	0.004106
	5	rs375129	T	Diet Soda Frequency	272	1.653	2.786	0.005332
	5	rs27565	A	Diet Soda Frequency	187	2.145	3.144	0.001665
	7	rs10246939	C	Diet Soda Frequency	285	1.571	2.674	0.007497
	12	rs296763	C	Diet Soda Frequency	307	1.522	2.588	0.009656
	14	rs8011979	T	Diet Soda Frequency	275	1.57	2.618	0.008855
	14	rs2860216	C	Diet Soda Frequency	278	1.532	2.578	0.009927
	17	rs7217186	C	Soda Frequency	92	4.108	2.737	0.006203
	22	rs5997096	T	Diet Soda Frequency	237	1.759	2.898	0.003758
Very high caries vs. Low caries	5	rs375129	T	Diet Soda Frequency	343	1.578	2.673	0.007519
	5	rs27565	A	Diet Soda Frequency	226	1.814	2.655	0.007927
	7	rs17159702	C	ADD	403	0.6639	-2.577	0.009971
	12	rs461872	A	Supplemental Fluoride	88	0.381	-2.906	0.003666
	14	rs7150049	G	Diet Soda Frequency	383	1.539	2.789	0.005281
	14	rs1676303	C	Diet Soda Frequency	386	1.496	2.582	0.009835
Very high caries vs. High caries	14	rs8011979	T	ADD	300	0.5686	-2.819	0.004812

Table 9 (continued)

Spike vs. No caries	4	rs4694075	T	Diet Soda Frequency	255	1.574	2.605	0.009181
	22	rs5997096	T	Diet Soda Frequency	249	1.586	2.639	0.008317
Spike vs. Caries	1	rs9701796	G	Frequency of juice	647	1.323	2.936	0.003323
	4	rs4694075	T	Eating Yogurt	520	0.7012	-2.607	0.009126
	5	rs375129	T	Frequency of juice	538	1.304	2.603	0.009247
	5	rs27565	A	Frequency of juice	356	1.42	2.62	0.008796
	5	rs6862039	A	Frequency of juice	563	1.354	2.958	0.003094
				Eating Yogurt		0.7029	-2.781	0.005417
	7	rs17159702	C	Frequency of juice	638	1.395	3.428	**0.0006084**
	7	rs10246939	C	Frequency of juice	567	1.418	3.353	**0.0007981**
	7	rs1726866	T	Frequency of juice	600	1.308	2.731	0.006322
	8	rs1800972	C	Frequency of juice	298	1.882	3.732	**0.00019**
	12	rs2878771	C	Frequency of juice	645	1.339	3.041	0.00236
			C	Eating Yogurt		0.7259	-2.659	0.007827
	12	rs3736309	G	Frequency of juice	537	1.394	3.048	0.0023
				Eating Yogurt		0.7026	-2.588	0.009644
	12	rs296763	C	Frequency of juice	635	1.33	2.98	0.002885
	12	rs1996315	G	Frequency of juice	660	1.315	2.917	0.003535
				Eating Yogurt		0.7244	-2.701	0.006903
	14	rs1997532	C	Frequency of juice	616	1.378	3.256	0.001129
				Eating Yogurt		0.7206	-2.683	0.007303
	14	rs1997533	C	Frequency of juice	483	1.371	2.739	0.006166
				Eating Yogurt		0.6528	-2.954	0.003135
	14	rs7150049	G	Frequency of juice	589	1.311	2.699	0.006961
	14	rs8011979	T	Frequency of juice	556	1.315	2.583	0.009793
	14	rs4903399	T	Frequency of juice	604	1.299	2.715	0.006634
				Eating Yogurt		0.7015	-2.864	0.00418
	14	rs6574293	A	Frequency of juice	580	1.363	2.902	0.00371

Table 9 (continued)

Spike vs. Caries	14	rs10132091	C	Frequency of juice	604	1.375	3.121	0.0018
				Eating Yogurt		0.729	-2.511	0.01205
	14	rs1077430	A	Frequency of juice	531	1.373	2.91	0.003609
	14	rs745011	C	Frequency of juice	581	1.345	2.929	0.0034
				Eating Yogurt		0.7116	-2.664	0.007719
	14	rs1676303	C	Frequency of juice	615	1.432	3.484	**0.0004943**
				Eating Yogurt		0.6799	-3.059	0.002217
	14	rs2860216	C	Frequency of juice	568	1.348	2.813	0.00491
				Eating Yogurt		0.6461	-3.313	**0.0009244**
	17	rs2619112	A	Frequency of juice	601	1.317	2.809	0.004975
	19	rs2235091	C	Frequency of juice	613	1.344	3.013	0.002588
				Eating Yogurt		0.6845	-3.095	0.001966
	19	rs198968	A	Frequency of juice	550	1.322	2.752	0.005931

4.3 DISCUSSION

Because the questionnaires were self-administered, the results may be affected by the patient's recall bias or selective reporting. Additionally, while the DMFT/dmft data was longitudinal, the diet data was collected at one time point between the ages of 17-18. Therefore, there is no information on past dietary preferences or tooth brushing habits (Sovik, Skudutyte-Rysstad, et al., 2015). However, there was 94% response rate for patients across the entire questionnaire so the likelihood of non-response bias is low (Sovik, Skudutyte-Rysstad, et al., 2015).

After a Bonferroni correction, five results stood out as significant. All of these results were in the comparison group "spike vs. caries." For four SNPs (rs17159702, rs10246939, rs1800972, rs1676303), there was an association between a spike in caries experience of DMFT 4 or more between two time points and increased frequency of fruit juice intake. Studies have shown previously that increased juice intake leads to increased dental caries in early childhood caries (AbdelAziz et al., 2015; Catteau et al., 2012). Other studies have contradicted this, finding that increased consumption of fruit juice leads to lower instances of dental caries in children (AbdelAziz et al., 2015). However, studies like this one speculate that children who drink less juice may have more dental caries because they are substituting juice with more cariogenic drinks (AbdelAziz et al., 2015). Not as much data is available for adults and the frequency of dental caries in those who drink juice as compared to those who do not. To our knowledge, this is the first study that has looked at the impact of drinking more juice on a subset of patients with an acute increase in dental caries experience between two time points.

Therefore, while other studies have not necessarily shown an association between increased juice intake and increased caries experience, these studies have only looked at overall caries experience and not longitudinal data.

A fifth SNP (rs2860216) was shown to be a protective factor toward a spike in caries when coupled with more frequently eating yogurt. This SNP lies in *ESRRB* and has been shown to play a potential role in caries experience as a gene involved in dental development (Weber et al., 2014). In previous studies, eating yogurt has been found to potentially hamper the effects of streptococcus mutans due to its probiotic nature and lower the risk for dental caries (Twetman and Stecksen-Blicks, 2008; Varghese et al., 2013; Yadav et al., 2014). Again, to our knowledge, this is the first study to show the potential protective role of yogurt consumption in patients that may otherwise experience a spike in dental caries experience.

Very high caries experience (DMFT $\geq$ 8) vs. no caries seems to be borderline-associated with increased diet soda intake. This seems counterintuitive since diet soda usually has sugar removed. Studies have agreed that soda causes demineralization of tooth structure and that artificially sweetened soda intake yields less dental caries than full sugar soda. However, studies have shown that artificially sweetened sodas still have some cariogenic potential (Giacaman et al., 2013). This may account for the extra high caries experience in some patients compared to those with no caries.

Diets high in sugar and carbohydrates have been known to play a role in dental caries experience. The Vipeholm studies were some of the earliest studies demonstrating this (Gustafsson et al., 1954; Krasse, 2001). Since then, additional studies have helped to confirm the role of diet in the disease (Sreebny, 1982; Woodward and Walker, 1994; Reich et al., 1999; Fejerskov and Kidd, 2008). Our dietary habit information came from a previous study of dental

erosion risk factors on this Norwegian population (Sovik, Skudutyte-Rysstad, et al., 2015). While dental erosion and dental caries differ somewhat in their causation, they are both mediated by diet and therefore the dietary survey responses can be applied to dental caries experience as well (Fejerskov and Kidd, 2008). We were limited in our dietary analysis because we did not have longitudinal diet data; data was collected at one point in time when the patient was either seventeen or eighteen years of age. Therefore, it is a bit of a stretch to analyze our primary caries groups with the diet data since it was collected with strictly permanent dentition in the mouth. However, because the patients still live at home and are relatively healthy in their habits, the diets may still reflect those that impacted the primary dentition. Also, there are gaps in time between when the caries data was collected and when the diet data was collected. However, by stratifying our patients into groups based on their trends in caries experience rather than caries experience at certain time points, we believe the diet data is still relevant.

Genotyping and PLINK software was used to look for association between our selected SNPs and erosion status (setting aside five enamel formation SNPs which were previously published in (Sovik et al., 2015b). From this there were no significant associations found between the selected SNPs and erosion. The previous study of this population had found association between enamel formation genes amelogenin and enamelin and erosion (Sovik et al., 2015a). However, these genes were not found to be significantly associated with our created dental caries phenotypes in the previous section. Due to the differences in genetic associations between the caries experience and erosion status of this population, we can speculate that the two diseases have different hereditary mechanisms.

Additionally, we did not find significant associations between our dental caries phenotypes and erosion status in our linear regression. In a previous study of this population,

overall DMFT/dmft status was concluded to not be associated with dental erosion (Sovik et al., 2014). Other studies of dental erosion and dental caries in children have found the two diseases to not be associated with one another, despite having a somewhat similar disease mechanism of demineralization of the teeth due to acid attack (Salas et al., 2014). From this, we can speculate that the two diseases are not associated with one another, perhaps due to their differences in progression and heritability.

As in the previous section, associations may happen by chance, particularly with multiple comparisons. We attempted to correct for this using Bonferroni correction and other multiple testing correction approaches. Again, Bonferroni is by many considered a strict test, and therefore may rule out associations that are otherwise significant. We hope that breaking down caries experience into more discrete groups gives more power to our associations found and further confirms that dental erosion is not associated with dental caries experience.

5.0 CONCLUSIONS AND FUTURE WORK

Future work could involve additional candidate gene studies using our newly created dental caries phenotypes. This could be selected SNPs as we did here or a GWAS. The hope is that our new phenotypes could provide more power for finding potential genes involved in dental caries. Also, as research of the genetic influences in dental erosion is limited, a GWAS could be indicated as well for that disease. Additionally, we could study the mechanisms of genes that are potentially associated to find out what role they play in dental caries experience. Finally, there is additional diet data that we did not analyze in our linear regression. Specifically the methods of drinking fluids were not analyzed in this study as they were beyond the scope of this thesis. They were, however, analyzed in the previous studies of dental erosion (Sovik, Skudutyte-Rysstad, et al., 2015). It may be an interesting pursuit to determine if methods of drinking acidic or cariogenic beverages (ie through a straw, swishing in the mouth, etc.) affect dental caries experience.

Through the investigation of the relationship between phenotypes and genotypes of dental caries, we are able to learn more about the etiology of dental caries. To our knowledge, this is the first study to separate patients into more discrete groups based on dental caries experience and the first to study acute increases in DMFT score between two time points. Our hope with doing so is to provide more power in our predictions of genetic influences of dental

caries and perhaps lead to better ways of studying the disease based on more specific categorizations of phenotypes. Additionally, our study concludes that dental caries and dental erosion are two diseases that differ in mechanism and heritability. This study may provide insight toward the heritability of dental erosion and that despite both being diseases that stem from demineralization of the hard tissues of teeth, they are in fact different from one another.

APPENDIX A

FULL RESULTS OF ASSOCIATION TESTS AND LINEAR REGRESSION

Table 10. Full results of association tests for selected SNPs and created caries phenotypes.

No Caries Vs. Low Caries Results

CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	22/124/147	6/92/94	4.71	2	0.09487
1	rs9701796	G	C	TREND	168/418	104/280	0.3224	1	0.5701
1	rs9701796	G	C	ALLELIC	168/418	104/280	0.289	1	0.5908
1	rs9701796	G	C	DOM	146/147	98/94	0.06819	1	0.794
1	rs9701796	G	C	REC	22/271	6/186	4.097	1	0.04295
5	rs375129	T	C	GENO	50/84/111	38/66/70	1.084	2	0.5817
5	rs375129	T	C	TREND	184/306	142/206	0.7268	1	0.3939
5	rs375129	T	C	ALLELIC	184/306	142/206	0.9063	1	0.3411
5	rs375129	T	C	DOM	134/111	104/70	1.068	1	0.3013
5	rs375129	T	C	REC	50/195	38/136	0.1256	1	0.7231
5	rs27565	A	G	GENO	42/68/50	23/67/32	4.473	2	0.1068
5	rs27565	A	G	TREND	152/168	113/131	0.07556	1	0.7834
5	rs27565	A	G	ALLELIC	152/168	113/131	0.07851	1	0.7793
5	rs27565	A	G	DOM	110/50	90/32	0.846	1	0.3577
5	rs27565	A	G	REC	42/118	23/99	2.136	1	0.1439
5	rs6862039	A	T	GENO	9/37/208	3/22/146	1.521	2	0.4675
5	rs6862039	A	T	TREND	55/453	28/314	1.333	1	0.2482
5	rs6862039	A	T	ALLELIC	55/453	28/314	1.616	1	0.2036
5	rs6862039	A	T	DOM	46/208	25/146	0.8947	1	0.3442
5	rs6862039	A	T	REC	9/245	3/168	1.192	1	0.2749
7	rs17159702	C	T	GENO	43/135/104	31/86/72	0.2761	2	0.8711
7	rs17159702	C	T	TREND	221/343	148/230	8.965e-005	1	0.9924
7	rs17159702	C	T	ALLELIC	221/343	148/230	9.103e-005	1	0.9924
7	rs17159702	C	T	DOM	178/104	117/72	0.07147	1	0.7892
7	rs17159702	C	T	REC	43/239	31/158	0.1138	1	0.7359
7	rs10246939	C	T	GENO	56/119/80	29/99/49	3.905	2	0.1419
7	rs10246939	C	T	TREND	231/279	157/197	0.07676	1	0.7817
7	rs10246939	C	T	ALLELIC	231/279	157/197	0.07524	1	0.7839
7	rs10246939	C	T	DOM	175/80	128/49	0.6788	1	0.41

Table 10. (continued)

7	rs10246939	C	T	REC	56/199	29/148	2.056	1	0.1516
7	rs1726866	T	C	GENO	56/123/93	28/105/54	5.551	2	0.06232
7	rs1726866	T	C	TREND	235/309	161/213	0.00207	1	0.9637
7	rs1726866	T	C	ALLELIC	235/309	161/213	0.002044	1	0.9639
7	rs1726866	T	C	DOM	179/93	133/54	1.438	1	0.2305
7	rs1726866	T	C	REC	56/216	28/159	2.337	1	0.1264
7	rs713598	G	C	GENO	39/111/115	18/95/65	6.015	2	0.04942
7	rs713598	G	C	TREND	189/341	131/225	0.1203	1	0.7287
7	rs713598	G	C	ALLELIC	189/341	131/225	0.1194	1	0.7297
7	rs713598	G	C	DOM	150/115	113/65	2.089	1	0.1484
7	rs713598	G	C	REC	39/226	18/160	2.014	1	0.1559
8	rs11362	G	A	GENO	31/116/74	23/83/41	1.299	2	0.5223
8	rs11362	G	A	TREND	178/264	129/165	1.064	1	0.3024
8	rs11362	G	A	ALLELIC	178/264	129/165	0.9443	1	0.3312
8	rs11362	G	A	DOM	147/74	106/41	1.285	1	0.2569
8	rs11362	G	A	REC	31/190	23/124	0.1848	1	0.6672
8	rs1800972	C	G	GENO	4/46/90	4/37/57	1.004	2	0.6055
8	rs1800972	C	G	TREND	54/226	45/151	1.003	1	0.3165
8	rs1800972	C	G	ALLELIC	54/226	45/151	0.9445	1	0.3311
8	rs1800972	C	G	DOM	50/90	41/57	0.915	1	0.3388
8	rs1800972	C	G	REC	4/136	4/94	0.2661	1	0.606
12	rs3741559	A	G	GENO	5/14/37	3/11/18	0.9487	2	0.6223
12	rs3741559	A	G	TREND	24/88	17/47	0.4985	1	0.4802
12	rs3741559	A	G	ALLELIC	24/88	17/47	0.6007	1	0.4383
12	rs3741559	A	G	DOM	19/37	14/18	0.8381	1	0.3599
12	rs3741559	A	G	REC	5/51	3/29	0.004911	1	0.9441
12	rs461872	A	G	GENO	17/48/24	11/19/15	1.644	2	0.4395
12	rs461872	A	G	TREND	82/96	41/49	0.00635	1	0.9365
12	rs461872	A	G	ALLELIC	82/96	41/49	0.006307	1	0.9367
12	rs461872	A	G	DOM	65/24	30/15	0.5872	1	0.4435
12	rs461872	A	G	REC	17/72	11/34	0.5163	1	0.4724
12	rs461872	A	G	GENO	10/24/29	10/16/15	1.466	2	0.4804
12	rs461872	A	G	TREND	44/82	36/46	1.426	1	0.2325
12	rs461872	A	G	ALLELIC	44/82	36/46	1.693	1	0.1932
12	rs461872	A	G	DOM	34/29	26/15	0.908	1	0.3406
12	rs461872	A	G	REC	10/53	10/31	1.16	1	0.2815
12	rs467323	A	G	GENO	3/96/29	3/61/14	0.9555	2	0.6202
12	rs467323	A	G	TREND	102/154	67/89	0.909	1	0.3404
12	rs467323	A	G	ALLELIC	102/154	67/89	0.3863	1	0.5343
12	rs467323	A	G	DOM	99/29	64/14	0.6503	1	0.42
12	rs467323	A	G	REC	3/125	3/75	0.3869	1	0.5339
12	rs2878771	C	G	GENO	15/82/188	14/45/137	2.433	2	0.2963
12	rs2878771	C	G	TREND	112/458	73/319	0.1371	1	0.7112
12	rs2878771	C	G	ALLELIC	112/458	73/319	0.1576	1	0.6914
12	rs2878771	C	G	DOM	97/188	59/137	0.8198	1	0.3652
12	rs2878771	C	G	REC	15/270	14/182	0.7242	1	0.3948
12	rs3736309	G	A	GENO	15/64/165	3/40/114	4.183	2	0.1235
12	rs3736309	G	A	TREND	94/394	46/268	2.565	1	0.1093
12	rs3736309	G	A	ALLELIC	94/394	46/268	2.821	1	0.09303

Table 10. (continued)

12	rs3736309	G	A	DOM	79/165	43/114	1.123	1	0.2893
12	rs3736309	G	A	REC	15/229	3/154	4	1	0.04551
12	rs296763	C	G	GENO	12/106/164	11/69/104	0.7216	2	0.6971
12	rs296763	C	G	TREND	130/434	91/277	0.3606	1	0.5482
12	rs296763	C	G	ALLELIC	130/434	91/277	0.3469	1	0.5559
12	rs296763	C	G	DOM	118/164	80/104	0.1217	1	0.7272
12	rs296763	C	G	REC	12/270	11/173	0.7045	1	0.4013
12	rs1996315	G	A	GENO	65/137/95	41/97/56	0.7714	2	0.68
12	rs1996315	G	A	TREND	267/327	179/209	0.1279	1	0.7206
12	rs1996315	G	A	ALLELIC	267/327	179/209	0.1328	1	0.7155
12	rs1996315	G	A	DOM	202/95	138/56	0.5366	1	0.4638
12	rs1996315	G	A	REC	65/232	41/153	0.03915	1	0.8432
14	rs1997532	C	T	GENO	29/110/141	19/72/93	0.001551	2	0.9992
14	rs1997532	C	T	TREND	168/392	110/258	0.001174	1	0.9727
14	rs1997532	C	T	ALLELIC	168/392	110/258	0.00125	1	0.9718
14	rs1997532	C	T	DOM	139/141	91/93	0.001542	1	0.9687
14	rs1997532	C	T	REC	29/251	19/165	0.0001155	1	0.9914
14	rs1997533	C	G	GENO	21/81/121	14/55/83	0.006589	2	0.9967
14	rs1997533	C	G	TREND	123/323	83/221	0.006335	1	0.9366
14	rs1997533	C	G	ALLELIC	123/323	83/221	0.006904	1	0.9338
14	rs1997533	C	G	DOM	102/121	69/83	0.004341	1	0.9475
14	rs1997533	C	G	REC	21/202	14/138	0.004555	1	0.9462
14	rs7150049	G	A	GENO	56/106/104	35/77/65	0.585	2	0.7464
14	rs7150049	G	A	TREND	218/314	147/207	0.02296	1	0.8796
14	rs7150049	G	A	ALLELIC	218/314	147/207	0.02635	1	0.8711
14	rs7150049	G	A	DOM	162/104	112/65	0.254	1	0.6143
14	rs7150049	G	A	REC	56/210	35/142	0.1065	1	0.7442
14	rs8011979	T	C	GENO	26/98/132	18/63/87	0.04772	2	0.9764
14	rs8011979	T	C	TREND	150/362	99/237	0.002527	1	0.9599
14	rs8011979	T	C	ALLELIC	150/362	99/237	0.002741	1	0.9582
14	rs8011979	T	C	DOM	124/132	81/87	0.002024	1	0.9641
14	rs8011979	T	C	REC	26/230	18/150	0.03396	1	0.8538
14	rs4903399	T	C	GENO	13/80/173	10/57/108	0.5331	2	0.766
14	rs4903399	T	C	TREND	106/426	77/273	0.5239	1	0.4692
14	rs4903399	T	C	ALLELIC	106/426	77/273	0.5529	1	0.4571
14	rs4903399	T	C	DOM	93/173	67/108	0.5043	1	0.4776
14	rs4903399	T	C	REC	13/253	10/165	0.1461	1	0.7023
14	rs6574293	A	G	GENO	4/53/207	6/30/144	2.271	2	0.3213
14	rs6574293	A	G	TREND	61/467	42/318	0.002477	1	0.9603
14	rs6574293	A	G	ALLELIC	61/467	42/318	0.002696	1	0.9586
14	rs6574293	A	G	DOM	57/207	36/144	0.1636	1	0.6859
14	rs6574293	A	G	REC	4/260	6/174	1.607	1	0.2049
14	rs10132091	C	T	GENO	72/124/79	45/96/39	3.679	2	0.1589
14	rs10132091	C	T	TREND	268/282	186/174	0.728	1	0.3935
14	rs10132091	C	T	ALLELIC	268/282	186/174	0.752	1	0.3859
14	rs10132091	C	T	DOM	196/79	141/39	2.824	1	0.09289
14	rs10132091	C	T	REC	72/203	45/135	0.07955	1	0.7779
14	rs1077430	A	G	GENO	26/94/120	22/62/76	0.8073	2	0.6679
14	rs1077430	A	G	TREND	146/334	106/214	0.5954	1	0.4404
14	rs1077430	A	G	ALLELIC	146/334	106/214	0.6527	1	0.4192

Table 10. (continued)

14	rs1077430	A	G	DOM	120/120	84/76	0.2401	1	0.6241
14	rs1077430	A	G	REC	26/214	22/138	0.7734	1	0.3792
14	rs745011	C	T	GENO	65/97/101	51/68/58	1.67	2	0.4338
14	rs745011	C	T	TREND	227/299	170/184	1.629	1	0.2019
14	rs745011	C	T	ALLELIC	227/299	170/184	2.024	1	0.1548
14	rs745011	C	T	DOM	162/101	119/58	1.456	1	0.2276
14	rs745011	C	T	REC	65/198	51/126	0.9155	1	0.3386
14	rs1676303	C	T	GENO	9/56/204	5/36/146	0.3684	2	0.8318
14	rs1676303	C	T	TREND	74/464	46/328	0.366	1	0.5452
14	rs1676303	C	T	ALLELIC	74/464	46/328	0.4089	1	0.5225
14	rs1676303	C	T	DOM	65/204	41/146	0.3098	1	0.5778
14	rs1676303	C	T	REC	9/260	5/182	0.1674	1	0.6825
14	rs2860216	C	T	GENO	26/83/151	10/63/98	2.876	2	0.2374
14	rs2860216	C	T	TREND	135/385	83/259	0.2834	1	0.5945
14	rs2860216	C	T	ALLELIC	135/385	83/259	0.3128	1	0.576
14	rs2860216	C	T	DOM	109/151	73/98	0.02487	1	0.8747
14	rs2860216	C	T	REC	26/234	10/161	2.323	1	0.1275
17	rs2619112	A	C	GENO	46/134/85	29/87/72	1.892	2	0.3884
17	rs2619112	A	C	TREND	226/304	145/231	1.526	1	0.2167
17	rs2619112	A	C	ALLELIC	226/304	145/231	1.512	1	0.2188
17	rs2619112	A	C	DOM	180/85	116/72	1.88	1	0.1703
17	rs2619112	A	C	REC	46/219	29/159	0.2974	1	0.5855
17	rs7217186	C	T	GENO	19/40/31	7/30/29	3.422	2	0.1806
17	rs7217186	C	T	TREND	78/102	44/88	3.023	1	0.08208
17	rs7217186	C	T	ALLELIC	78/102	44/88	3.198	1	0.07373
17	rs7217186	C	T	DOM	59/31	37/29	1.45	1	0.2285
17	rs7217186	C	T	REC	19/71	7/59	3.025	1	0.08197
19	rs2235091	C	T	GENO	28/119/133	17/78/89	0.08414	2	0.9588
19	rs2235091	C	T	TREND	175/385	112/256	0.06866	1	0.7933
19	rs2235091	C	T	ALLELIC	175/385	112/256	0.06909	1	0.7927
19	rs2235091	C	T	DOM	147/133	95/89	0.03365	1	0.8545
19	rs2235091	C	T	REC	28/252	17/167	0.0734	1	0.7865
19	rs198968	A	G	GENO	14/83/147	8/63/101	0.4606	2	0.7943
19	rs198968	A	G	TREND	111/377	79/265	0.00548	1	0.941
19	rs198968	A	G	ALLELIC	111/377	79/265	0.005502	1	0.9409
19	rs198968	A	G	DOM	97/147	71/101	0.09745	1	0.7549
19	rs198968	A	G	REC	14/230	8/164	0.2378	1	0.6258

No Caries vs. High Caries Results

CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	28/167/159	6/92/94	5.03	2	0.08087
1	rs9701796	G	C	TREND	223/485	104/280	2.659	1	0.1029
1	rs9701796	G	C	ALLELIC	223/485	104/280	2.312	1	0.1284
1	rs9701796	G	C	DOM	195/159	98/94	0.8183	1	0.3657
1	rs9701796	G	C	REC	28/326	6/186	4.88	1	0.02717
5	rs375129	T	C	GENO	70/91/132	38/66/70	2.319	2	0.3136
5	rs375129	T	C	TREND	231/355	142/206	0.1344	1	0.714
5	rs375129	T	C	ALLELIC	231/355	142/206	0.1746	1	0.6761

Table 10. (continued)

5	rs375129	T	C	DOM	161/132	104/70	1.034	1	0.3093
5	rs375129	T	C	REC	70/223	38/136	0.2585	1	0.6112
5	rs27565	A	G	GENO	44/102/50	23/67/32	0.5939	2	0.7431
5	rs27565	A	G	TREND	190/202	113/131	0.3003	1	0.5837
5	rs27565	A	G	ALLELIC	190/202	113/131	0.2807	1	0.5962
5	rs27565	A	G	DOM	146/50	90/32	0.02033	1	0.8866
5	rs27565	A	G	REC	44/152	23/99	0.5849	1	0.4444
5	rs6862039	A	T	GENO	8/40/261	3/22/146	0.346	2	0.8411
5	rs6862039	A	T	TREND	56/562	28/314	0.177	1	0.674
5	rs6862039	A	T	ALLELIC	56/562	28/314	0.2108	1	0.6461
5	rs6862039	A	T	DOM	48/261	25/146	0.07133	1	0.7894
5	rs6862039	A	T	REC	8/301	3/168	0.3425	1	0.5584
7	rs17159702	C	T	GENO	74/160/122	31/86/72	1.748	2	0.4173
7	rs17159702	C	T	TREND	308/404	148/230	1.594	1	0.2067
7	rs17159702	C	T	ALLELIC	308/404	148/230	1.71	1	0.191
7	rs17159702	C	T	DOM	234/122	117/72	0.7881	1	0.3747
7	rs17159702	C	T	REC	74/282	31/158	1.526	1	0.2167
7	rs10246939	C	T	GENO	87/133/92	29/99/49	10.64	2	0.0049
7	rs10246939	C	T	TREND	307/317	157/197	2.031	1	0.1542
7	rs10246939	C	T	ALLELIC	307/317	157/197	2.129	1	0.1445
7	rs10246939	C	T	DOM	220/92	128/49	0.179	1	0.6722
7	rs10246939	C	T	REC	87/225	29/148	8.255	1	0.004065
7	rs1726866	T	C	GENO	71/155/102	28/105/54	4.819	2	0.08987
7	rs1726866	T	C	TREND	297/359	161/213	0.489	1	0.4844
7	rs1726866	T	C	ALLELIC	297/359	161/213	0.4781	1	0.4893
7	rs1726866	T	C	DOM	226/102	133/54	0.2781	1	0.5979
7	rs1726866	T	C	REC	71/257	28/159	3.415	1	0.06459
7	rs713598	G	C	GENO	46/151/116	18/95/65	2.434	2	0.2961
7	rs713598	G	C	TREND	243/383	131/225	0.4189	1	0.5175
7	rs713598	G	C	ALLELIC	243/383	131/225	0.3928	1	0.5309
7	rs713598	G	C	DOM	197/116	113/65	0.01442	1	0.9044
7	rs713598	G	C	REC	46/267	18/160	2.104	1	0.147
8	rs11362	G	A	GENO	54/148/86	23/83/41	1.131	2	0.5681
8	rs11362	G	A	TREND	256/320	129/165	0.02745	1	0.8684
8	rs11362	G	A	ALLELIC	256/320	129/165	0.02536	1	0.8735
8	rs11362	G	A	DOM	202/86	106/41	0.1827	1	0.6691
8	rs11362	G	A	REC	54/234	23/124	0.6436	1	0.4224
8	rs1800972	C	G	GENO	4/58/96	4/37/57	0.5511	2	0.7592
8	rs1800972	C	G	TREND	66/250	45/151	0.3375	1	0.5613
8	rs1800972	C	G	ALLELIC	66/250	45/151	0.3062	1	0.58
8	rs1800972	C	G	DOM	62/96	41/57	0.1695	1	0.6805
8	rs1800972	C	G	REC	4/154	4/94	0.48	1	0.4884
12	rs3741559	A	G	GENO	5/22/41	3/11/18	0.1985	2	0.9055
12	rs3741559	A	G	TREND	32/104	17/47	0.1953	1	0.6585
12	rs3741559	A	G	ALLELIC	32/104	17/47	0.2164	1	0.6418
12	rs3741559	A	G	DOM	27/41	14/18	0.1471	1	0.7013
12	rs3741559	A	G	REC	5/63	3/29	0.1209	1	0.7281
12	rs461872	A	G	GENO	17/54/24	11/19/15	2.621	2	0.2697
12	rs461872	A	G	TREND	88/102	41/49	0.01494	1	0.9027
12	rs461872	A	G	ALLELIC	88/102	41/49	0.01421	1	0.9051

Table 10. (continued)

12	rs461872	A	G	DOM	71/24	30/15	0.9896	1	0.3198
12	rs461872	A	G	REC	17/78	11/34	0.8187	1	0.3656
12	rs461872	A	G	GENO	16/28/33	10/16/15	0.4678	2	0.7914
12	rs461872	A	G	TREND	60/94	36/46	0.4411	1	0.5066
12	rs461872	A	G	ALLELIC	60/94	36/46	0.5414	1	0.4618
12	rs461872	A	G	DOM	44/33	26/15	0.4361	1	0.509
12	rs461872	A	G	REC	16/61	10/31	0.2031	1	0.6523
12	rs467323	A	G	GENO	2/129/26	3/61/14	1.781	2	0.4105
12	rs467323	A	G	TREND	133/181	67/89	0.04315	1	0.8354
12	rs467323	A	G	ALLELIC	133/181	67/89	0.01494	1	0.9027
12	rs467323	A	G	DOM	131/26	64/14	0.0711	1	0.7897
12	rs467323	A	G	REC	2/155	3/75	1.656	1	0.1982
12	rs2878771	C	G	GENO	17/103/240	14/45/137	3.052	2	0.2174
12	rs2878771	C	G	TREND	137/583	73/319	0.02407	1	0.8767
12	rs2878771	C	G	ALLELIC	137/583	73/319	0.02722	1	0.869
12	rs2878771	C	G	DOM	120/240	59/137	0.607	1	0.4359
12	rs2878771	C	G	REC	17/343	14/182	1.412	1	0.2347
12	rs3736309	G	A	GENO	13/76/204	3/40/114	1.972	2	0.3731
12	rs3736309	G	A	TREND	102/484	46/268	1.065	1	0.3022
12	rs3736309	G	A	ALLELIC	102/484	46/268	1.131	1	0.2877
12	rs3736309	G	A	DOM	89/204	43/114	0.44	1	0.5071
12	rs3736309	G	A	REC	13/280	3/154	1.902	1	0.1678
12	rs296763	C	G	GENO	18/131/204	11/69/104	0.212	2	0.8994
12	rs296763	C	G	TREND	167/539	91/277	0.156	1	0.6929
12	rs296763	C	G	ALLELIC	167/539	91/277	0.1528	1	0.6958
12	rs296763	C	G	DOM	149/204	80/104	0.07959	1	0.7779
12	rs296763	C	G	REC	18/335	11/173	0.183	1	0.6688
12	rs1996315	G	A	GENO	69/153/141	41/97/56	5.584	2	0.0613
12	rs1996315	G	A	TREND	291/435	179/209	3.516	1	0.06079
12	rs1996315	G	A	ALLELIC	291/435	179/209	3.796	1	0.05136
12	rs1996315	G	A	DOM	222/141	138/56	5.505	1	0.01896
12	rs1996315	G	A	REC	69/294	41/153	0.3605	1	0.5482
14	rs1997532	C	T	GENO	29/120/187	19/72/93	1.323	2	0.5161
14	rs1997532	C	T	TREND	178/494	110/258	1.276	1	0.2587
14	rs1997532	C	T	ALLELIC	178/494	110/258	1.375	1	0.2409
14	rs1997532	C	T	DOM	149/187	91/93	1.25	1	0.2636
14	rs1997532	C	T	REC	29/307	19/165	0.4077	1	0.5231
14	rs1997533	C	G	GENO	25/76/159	14/55/83	2.176	2	0.337
14	rs1997533	C	G	TREND	126/394	83/221	0.8242	1	0.3639
14	rs1997533	C	G	ALLELIC	126/394	83/221	0.9563	1	0.3281
14	rs1997533	C	G	DOM	101/159	69/83	1.697	1	0.1926
14	rs1997533	C	G	REC	25/235	14/138	0.01835	1	0.8923
14	rs7150049	G	A	GENO	70/128/125	35/77/65	0.7323	2	0.6934
14	rs7150049	G	A	TREND	268/378	147/207	0.0001263	1	0.991
14	rs7150049	G	A	ALLELIC	268/378	147/207	0.0001459	1	0.9904
14	rs7150049	G	A	DOM	198/125	112/65	0.1896	1	0.6633
14	rs7150049	G	A	REC	70/253	35/142	0.2482	1	0.6183
14	rs8011979	T	C	GENO	26/109/165	18/63/87	0.7268	2	0.6953
14	rs8011979	T	C	TREND	161/439	99/237	0.6855	1	0.4077
14	rs8011979	T	C	ALLELIC	161/439	99/237	0.7431	1	0.3887

Table 10. (continued)

14	rs8011979	T	C	DOM	135/165	81/87	0.4477	1	0.5034
14	rs8011979	T	C	REC	26/274	18/150	0.5301	1	0.4666
14	rs4903399	T	C	GENO	14/124/200	10/57/108	1.287	2	0.5255
14	rs4903399	T	C	TREND	152/524	77/273	0.03187	1	0.8583
14	rs4903399	T	C	ALLELIC	152/524	77/273	0.03131	1	0.8595
14	rs4903399	T	C	DOM	138/200	67/108	0.3107	1	0.5772
14	rs4903399	T	C	REC	14/324	10/165	0.6392	1	0.424
14	rs6574293	A	G	GENO	6/50/260	6/30/144	1.099	2	0.5772
14	rs6574293	A	G	TREND	62/570	42/318	0.7385	1	0.3902
14	rs6574293	A	G	ALLELIC	62/570	42/318	0.8424	1	0.3587
14	rs6574293	A	G	DOM	56/260	36/144	0.3941	1	0.5302
14	rs6574293	A	G	REC	6/310	6/174	0.9997	1	0.3174
14	rs10132091	C	T	GENO	79/152/98	45/96/39	4.112	2	0.128
14	rs10132091	C	T	TREND	310/348	186/174	1.885	1	0.1698
14	rs10132091	C	T	ALLELIC	310/348	186/174	1.932	1	0.1646
14	rs10132091	C	T	DOM	231/98	141/39	3.9	1	0.04828
14	rs10132091	C	T	REC	79/250	45/135	0.06161	1	0.804
14	rs1077430	A	G	GENO	37/120/134	22/62/76	0.2896	2	0.8652
14	rs1077430	A	G	TREND	194/388	106/214	0.0037	1	0.9515
14	rs1077430	A	G	ALLELIC	194/388	106/214	0.004037	1	0.9493
14	rs1077430	A	G	DOM	157/134	84/76	0.08746	1	0.7674
14	rs1077430	A	G	REC	37/254	22/138	0.0973	1	0.7551
14	rs745011	C	T	GENO	76/130/112	51/68/58	1.442	2	0.4863
14	rs745011	C	T	TREND	282/354	170/184	1.041	1	0.3075
14	rs745011	C	T	ALLELIC	282/354	170/184	1.243	1	0.2648
14	rs745011	C	T	DOM	206/112	119/58	0.3031	1	0.5819
14	rs745011	C	T	REC	76/242	51/126	1.44	1	0.2302
14	rs1676303	C	T	GENO	5/69/272	5/36/146	1.011	2	0.6033
14	rs1676303	C	T	TREND	79/613	46/328	0.1745	1	0.6761
14	rs1676303	C	T	ALLELIC	79/613	46/328	0.183	1	0.6688
14	rs1676303	C	T	DOM	74/272	41/146	0.02075	1	0.8855
14	rs1676303	C	T	REC	5/341	5/182	0.9955	1	0.3184
14	rs2860216	C	T	GENO	29/110/169	10/63/98	1.875	2	0.3916
14	rs2860216	C	T	TREND	168/448	83/259	0.9625	1	0.3265
14	rs2860216	C	T	ALLELIC	168/448	83/259	1.026	1	0.3111
14	rs2860216	C	T	DOM	139/169	73/98	0.2653	1	0.6065
14	rs2860216	C	T	REC	29/279	10/161	1.871	1	0.1713
17	rs2619112	A	C	GENO	49/174/113	29/87/72	1.536	2	0.464
17	rs2619112	A	C	TREND	272/400	145/231	0.3832	1	0.5359
17	rs2619112	A	C	ALLELIC	272/400	145/231	0.368	1	0.5441
17	rs2619112	A	C	DOM	223/113	116/72	1.15	1	0.2836
17	rs2619112	A	C	REC	49/287	29/159	0.06749	1	0.795
17	rs7217186	C	T	GENO	16/43/37	7/30/29	1.295	2	0.5233
17	rs7217186	C	T	TREND	75/117	44/88	1.072	1	0.3005
17	rs7217186	C	T	ALLELIC	75/117	44/88	1.105	1	0.2932
17	rs7217186	C	T	DOM	59/37	37/29	0.472	1	0.4921
17	rs7217186	C	T	REC	16/80	7/59	1.179	1	0.2775
19	rs2235091	C	T	GENO	37/140/156	17/78/89	0.459	2	0.7949
19	rs2235091	C	T	TREND	214/452	112/256	0.3091	1	0.5782
19	rs2235091	C	T	ALLELIC	214/452	112/256	0.3163	1	0.5738

Table 10. (continued)

19	rs2235091	C	T	DOM	177/156	95/89	0.1102	1	0.7399
19	rs2235091	C	T	REC	37/296	17/167	0.444	1	0.5052
19	rs198968	A	G	GENO	19/108/179	8/63/101	0.5289	2	0.7676
19	rs198968	A	G	TREND	146/466	79/265	0.09658	1	0.756
19	rs198968	A	G	ALLELIC	146/466	79/265	0.09717	1	0.7553
19	rs198968	A	G	DOM	127/179	71/101	0.002281	1	0.9619
19	rs198968	A	G	REC	19/287	8/164	0.5015	1	0.4788

Low Caries vs. High Caries Results

CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	28/167/159	22/124/147	1.809	2	0.4047
1	rs9701796	G	C	TREND	223/485	168/418	1.303	1	0.2537
1	rs9701796	G	C	ALLELIC	223/485	168/418	1.216	1	0.2701
1	rs9701796	G	C	DOM	195/159	146/147	1.776	1	0.1826
1	rs9701796	G	C	REC	28/326	22/271	0.03616	1	0.8492
5	rs375129	T	C	GENO	70/91/132	50/84/111	1.155	2	0.5614
5	rs375129	T	C	TREND	231/355	184/306	0.2994	1	0.5842
5	rs375129	T	C	ALLELIC	231/355	184/306	0.3933	1	0.5305
5	rs375129	T	C	DOM	161/132	134/111	0.003501	1	0.9528
5	rs375129	T	C	REC	70/223	50/195	0.9338	1	0.3339
5	rs27565	A	G	GENO	44/102/50	42/68/50	3.239	2	0.198
5	rs27565	A	G	TREND	190/202	152/168	0.06356	1	0.801
5	rs27565	A	G	ALLELIC	190/202	152/168	0.06633	1	0.7968
5	rs27565	A	G	DOM	146/50	110/50	1.437	1	0.2307
5	rs27565	A	G	REC	44/152	42/118	0.6946	1	0.4046
5	rs6862039	A	T	GENO	8/40/261	9/37/208	0.7997	2	0.6704
5	rs6862039	A	T	TREND	56/562	55/453	0.7946	1	0.3727
5	rs6862039	A	T	ALLELIC	56/562	55/453	0.9778	1	0.3228
5	rs6862039	A	T	DOM	48/261	46/208	0.6652	1	0.4147
5	rs6862039	A	T	REC	8/301	9/245	0.4335	1	0.5103
7	rs17159702	C	T	GENO	74/160/122	43/135/104	3.226	2	0.1993
7	rs17159702	C	T	TREND	308/404	221/343	2.055	1	0.1517
7	rs17159702	C	T	ALLELIC	308/404	221/343	2.152	1	0.1424
7	rs17159702	C	T	DOM	234/122	178/104	0.4685	1	0.4937
7	rs17159702	C	T	REC	74/282	43/239	3.223	1	0.07261
7	rs10246939	C	T	GENO	87/133/92	56/119/80	2.632	2	0.2682
7	rs10246939	C	T	TREND	307/317	231/279	1.548	1	0.2135
7	rs10246939	C	T	ALLELIC	307/317	231/279	1.716	1	0.1902
7	rs10246939	C	T	DOM	220/92	175/80	0.236	1	0.6271
7	rs10246939	C	T	REC	87/225	56/199	2.611	1	0.1061
7	rs1726866	T	C	GENO	71/155/102	56/123/93	0.6495	2	0.7227
7	rs1726866	T	C	TREND	297/359	235/309	0.4893	1	0.4842
7	rs1726866	T	C	ALLELIC	297/359	235/309	0.5193	1	0.4712
7	rs1726866	T	C	DOM	226/102	179/93	0.6487	1	0.4206
7	rs1726866	T	C	REC	71/257	56/216	0.09977	1	0.7521
7	rs713598	G	C	GENO	46/151/116	39/111/115	2.72	2	0.2566
7	rs713598	G	C	TREND	243/383	189/341	1.185	1	0.2763
7	rs713598	G	C	ALLELIC	243/383	189/341	1.223	1	0.2689

Table 10. (continued)

7	rs713598	G	C	DOM	197/116	150/115	2.401	1	0.1213
7	rs713598	G	C	REC	46/267	39/226	4.806e-005	1	0.9945
8	rs11362	G	A	GENO	54/148/86	31/116/74	2.222	2	0.3293
8	rs11362	G	A	TREND	256/320	178/264	1.895	1	0.1686
8	rs11362	G	A	ALLELIC	256/320	178/264	1.781	1	0.1821
8	rs11362	G	A	DOM	202/86	147/74	0.7616	1	0.3828
8	rs11362	G	A	REC	54/234	31/190	2.005	1	0.1568
8	rs1800972	C	G	GENO	4/58/96	4/46/90	0.4927	2	0.7816
8	rs1800972	C	G	TREND	66/250	54/226	0.2585	1	0.6112
8	rs1800972	C	G	ALLELIC	66/250	54/226	0.2365	1	0.6268
8	rs1800972	C	G	DOM	62/96	50/90	0.3934	1	0.5305
8	rs1800972	C	G	REC	4/154	4/136	0.0301	1	0.8623
12	rs3741559	A	G	GENO	5/22/41	5/14/37	0.8294	2	0.6605
12	rs3741559	A	G	TREND	32/104	24/88	0.1326	1	0.7158
12	rs3741559	A	G	ALLELIC	32/104	24/88	0.1551	1	0.6937
12	rs3741559	A	G	DOM	27/41	19/37	0.4393	1	0.5075
12	rs3741559	A	G	REC	5/63	5/51	0.1028	1	0.7485
12	rs461872	A	G	GENO	17/54/24	17/48/24	0.1575	2	0.9243
12	rs461872	A	G	TREND	88/102	82/96	0.002578	1	0.9595
12	rs461872	A	G	ALLELIC	88/102	82/96	0.002281	1	0.9619
12	rs461872	A	G	DOM	71/24	65/24	0.06913	1	0.7926
12	rs461872	A	G	REC	17/78	17/72	0.0444	1	0.8331
12	rs461872	A	G	GENO	16/28/33	10/24/29	0.5559	2	0.7573
12	rs461872	A	G	TREND	60/94	44/82	0.4023	1	0.5259
12	rs461872	A	G	ALLELIC	60/94	44/82	0.4846	1	0.4864
12	rs461872	A	G	DOM	44/33	34/29	0.1415	1	0.7068
12	rs461872	A	G	REC	16/61	10/53	0.5515	1	0.4577
12	rs467323	A	G	GENO	2/129/26	3/96/29	2.276	2	0.3204
12	rs467323	A	G	TREND	133/181	102/154	0.9909	1	0.3195
12	rs467323	A	G	ALLELIC	133/181	102/154	0.3675	1	0.5444
12	rs467323	A	G	DOM	131/26	99/29	1.682	1	0.1946
12	rs467323	A	G	REC	2/155	3/125	0.4683	1	0.4938
12	rs2878771	C	G	GENO	17/103/240	15/82/188	0.1071	2	0.9479
12	rs2878771	C	G	TREND	137/583	112/458	0.07306	1	0.7869
12	rs2878771	C	G	ALLELIC	137/583	112/458	0.07885	1	0.7789
12	rs2878771	C	G	DOM	120/240	97/188	0.03509	1	0.8514
12	rs2878771	C	G	REC	17/343	15/270	0.09872	1	0.7534
12	rs3736309	G	A	GENO	13/76/204	15/64/165	0.8291	2	0.6606
12	rs3736309	G	A	TREND	102/484	94/394	0.546	1	0.46
12	rs3736309	G	A	ALLELIC	102/484	94/394	0.6149	1	0.433
12	rs3736309	G	A	DOM	89/204	79/165	0.2481	1	0.6184
12	rs3736309	G	A	REC	13/280	15/229	0.7883	1	0.3746
12	rs296763	C	G	GENO	18/131/204	12/106/164	0.2495	2	0.8827
12	rs296763	C	G	TREND	167/539	130/434	0.06677	1	0.7961
12	rs296763	C	G	ALLELIC	167/539	130/434	0.064	1	0.8003
12	rs296763	C	G	DOM	149/204	118/164	0.008602	1	0.9261
12	rs296763	C	G	REC	18/335	12/270	0.248	1	0.6185
12	rs1996315	G	A	GENO	69/153/141	65/137/95	3.402	2	0.1825
12	rs1996315	G	A	TREND	291/435	267/327	2.884	1	0.08949
12	rs1996315	G	A	ALLELIC	291/435	267/327	3.171	1	0.07495

Table 10. (continued)

12	rs1996315	G	A	DOM	222/141	202/95	3.343	1	0.06749
12	rs1996315	G	A	REC	69/294	65/232	0.8357	1	0.3606
14	rs1997532	C	T	GENO	29/120/187	29/110/141	1.81	2	0.4045
14	rs1997532	C	T	TREND	178/494	168/392	1.734	1	0.1879
14	rs1997532	C	T	ALLELIC	178/494	168/392	1.865	1	0.172
14	rs1997532	C	T	DOM	149/187	139/141	1.722	1	0.1895
14	rs1997532	C	T	REC	29/307	29/251	0.5336	1	0.4651
14	rs1997533	C	G	GENO	25/76/159	21/81/121	2.847	2	0.2409
14	rs1997533	C	G	TREND	126/394	123/323	1.222	1	0.2689
14	rs1997533	C	G	ALLELIC	126/394	123/323	1.406	1	0.2357
14	rs1997533	C	G	DOM	101/159	102/121	2.341	1	0.126
14	rs1997533	C	G	REC	25/235	21/202	0.005481	1	0.941
14	rs7150049	G	A	GENO	70/128/125	56/106/104	0.03388	2	0.9832
14	rs7150049	G	A	TREND	268/378	218/314	0.02638	1	0.871
14	rs7150049	G	A	ALLELIC	268/378	218/314	0.03114	1	0.8599
14	rs7150049	G	A	DOM	198/125	162/104	0.009726	1	0.9214
14	rs7150049	G	A	REC	70/253	56/210	0.03326	1	0.8553
14	rs8011979	T	C	GENO	26/109/165	26/98/132	0.774	2	0.6791
14	rs8011979	T	C	TREND	161/439	150/362	0.7735	1	0.3791
14	rs8011979	T	C	ALLELIC	161/439	150/362	0.8322	1	0.3616
14	rs8011979	T	C	DOM	135/165	124/132	0.6559	1	0.418
14	rs8011979	T	C	REC	26/274	26/230	0.3615	1	0.5477
14	rs4903399	T	C	GENO	14/124/200	13/80/173	2.941	2	0.2298
14	rs4903399	T	C	TREND	152/524	106/426	1.168	1	0.2797
14	rs4903399	T	C	ALLELIC	152/524	106/426	1.162	1	0.2811
14	rs4903399	T	C	DOM	138/200	93/173	2.169	1	0.1408
14	rs4903399	T	C	REC	14/324	13/253	0.1936	1	0.66
14	rs6574293	A	G	GENO	6/50/260	4/53/207	1.855	2	0.3955
14	rs6574293	A	G	TREND	62/570	61/467	0.867	1	0.3518
14	rs6574293	A	G	ALLELIC	62/570	61/467	0.9219	1	0.337
14	rs6574293	A	G	DOM	56/260	57/207	1.373	1	0.2413
14	rs6574293	A	G	REC	6/310	4/260	0.1249	1	0.7238
14	rs10132091	C	T	GENO	79/152/98	72/124/79	0.3799	2	0.827
14	rs10132091	C	T	TREND	310/348	268/282	0.2887	1	0.5911
14	rs10132091	C	T	ALLELIC	310/348	268/282	0.3131	1	0.5758
14	rs10132091	C	T	DOM	231/98	196/79	0.08124	1	0.7756
14	rs10132091	C	T	REC	79/250	72/203	0.3761	1	0.5397
14	rs1077430	A	G	GENO	37/120/134	26/94/120	0.9617	2	0.6182
14	rs1077430	A	G	TREND	194/388	146/334	0.9571	1	0.3279
14	rs1077430	A	G	ALLELIC	194/388	146/334	1.028	1	0.3106
14	rs1077430	A	G	DOM	157/134	120/120	0.8232	1	0.3643
14	rs1077430	A	G	REC	37/254	26/214	0.4452	1	0.5046
14	rs745011	C	T	GENO	76/130/112	65/97/101	1.026	2	0.5986
14	rs745011	C	T	TREND	282/354	227/299	0.1358	1	0.7125
14	rs745011	C	T	ALLELIC	282/354	227/299	0.1639	1	0.6856
14	rs745011	C	T	DOM	206/112	162/101	0.628	1	0.4281
14	rs745011	C	T	REC	76/242	65/198	0.05208	1	0.8195
14	rs1676303	C	T	GENO	5/69/272	9/56/204	2.609	2	0.2713
14	rs1676303	C	T	TREND	79/613	74/464	1.424	1	0.2327
14	rs1676303	C	T	ALLELIC	79/613	74/464	1.52	1	0.2177

Table 10. (continued)

14	rs1676303	C	T	DOM	74/272	65/204	0.6668	1	0.4142
14	rs1676303	C	T	REC	5/341	9/260	2.458	1	0.117
14	rs2860216	C	T	GENO	29/110/169	26/83/151	0.9035	2	0.6365
14	rs2860216	C	T	TREND	168/448	135/385	0.2191	1	0.6397
14	rs2860216	C	T	ALLELIC	168/448	135/385	0.2479	1	0.6186
14	rs2860216	C	T	DOM	139/169	109/151	0.5894	1	0.4426
14	rs2860216	C	T	REC	29/279	26/234	0.05506	1	0.8145
17	rs2619112	A	C	GENO	49/174/113	46/134/85	0.8736	2	0.6461
17	rs2619112	A	C	TREND	272/400	226/304	0.6065	1	0.4361
17	rs2619112	A	C	ALLELIC	272/400	226/304	0.5725	1	0.4493
17	rs2619112	A	C	DOM	223/113	180/85	0.1623	1	0.6871
17	rs2619112	A	C	REC	49/287	46/219	0.8574	1	0.3545
17	rs7217186	C	T	GENO	16/43/37	19/40/31	0.7022	2	0.7039
17	rs7217186	C	T	TREND	75/117	78/102	0.6489	1	0.4205
17	rs7217186	C	T	ALLELIC	75/117	78/102	0.6999	1	0.4028
17	rs7217186	C	T	DOM	59/37	59/31	0.3362	1	0.562
17	rs7217186	C	T	REC	16/80	19/71	0.6006	1	0.4383
19	rs2235091	C	T	GENO	37/140/156	28/119/133	0.1984	2	0.9056
19	rs2235091	C	T	TREND	214/452	175/385	0.1066	1	0.744
19	rs2235091	C	T	ALLELIC	214/452	175/385	0.1093	1	0.741
19	rs2235091	C	T	DOM	177/156	147/133	0.02604	1	0.8718
19	rs2235091	C	T	REC	37/296	28/252	0.1981	1	0.6563
19	rs198968	A	G	GENO	19/108/179	14/83/147	0.1842	2	0.912
19	rs198968	A	G	TREND	146/466	111/377	0.1814	1	0.6701
19	rs198968	A	G	ALLELIC	146/466	111/377	0.1869	1	0.6655
19	rs198968	A	G	DOM	127/179	97/147	0.1721	1	0.6783
19	rs198968	A	G	REC	19/287	14/230	0.0535	1	0.8171
Low Primary vs. High Primary Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	8/40/48	8/54/58	0.3664	2	0.8326
1	rs9701796	G	C	TREND	56/136	70/170	2.973e-032	1	1
1	rs9701796	G	C	ALLELIC	56/136	70/170	0	1	1
1	rs9701796	G	C	DOM	48/48	62/58	0.05928	1	0.8076
1	rs9701796	G	C	REC	8/88	8/112	0.216	1	0.6421
5	rs375129	T	C	GENO	21/26/34	20/30/47	0.9661	2	0.6169
5	rs375129	T	C	TREND	68/94	70/124	0.9657	1	0.3258
5	rs375129	T	C	ALLELIC	68/94	70/124	1.291	1	0.2558
5	rs375129	T	C	DOM	47/34	50/47	0.747	1	0.3874
5	rs375129	T	C	REC	21/60	20/77	0.7013	1	0.4023
5	rs27565	A	G	GENO	14/30/15	17/32/14	0.2585	2	0.8788
5	rs27565	A	G	TREND	58/60	66/60	0.2584	1	0.6112
5	rs27565	A	G	ALLELIC	58/60	66/60	0.2541	1	0.6142
5	rs27565	A	G	DOM	44/15	49/14	0.1723	1	0.678
5	rs27565	A	G	REC	14/45	17/46	0.1703	1	0.6798
5	rs6862039	A	T	GENO	2/8/75	1/16/92	1.789	2	0.4088
5	rs6862039	A	T	TREND	12/158	18/200	0.1696	1	0.6805
5	rs6862039	A	T	ALLELIC	12/158	18/200	0.1922	1	0.6611
5	rs6862039	A	T	DOM	10/75	17/92	0.5852	1	0.4443
5	rs6862039	A	T	REC	2/83	1/108	0.6464	1	0.4214

Table 10. (continued)

7	rs17159702	C	T	GENO	22/44/31	22/58/40	0.6317	2	0.7292
7	rs17159702	C	T	TREND	88/106	102/138	0.3413	1	0.5591
7	rs17159702	C	T	ALLELIC	88/106	102/138	0.3567	1	0.5503
7	rs17159702	C	T	DOM	66/31	80/40	0.04604	1	0.8301
7	rs17159702	C	T	REC	22/75	22/98	0.6271	1	0.4284
7	rs10246939	C	T	GENO	22/31/32	22/46/33	1.573	2	0.4555
7	rs10246939	C	T	TREND	75/95	90/112	0.006145	1	0.9375
7	rs10246939	C	T	ALLELIC	75/95	90/112	0.007136	1	0.9327
7	rs10246939	C	T	DOM	53/32	68/33	0.5023	1	0.4785
7	rs10246939	C	T	REC	22/63	22/79	0.4297	1	0.5122
7	rs1726866	T	C	GENO	21/38/31	23/47/41	0.2413	2	0.8863
7	rs1726866	T	C	TREND	80/100	93/129	0.2323	1	0.6299
7	rs1726866	T	C	ALLELIC	80/100	93/129	0.2642	1	0.6073
7	rs1726866	T	C	DOM	59/31	70/41	0.1343	1	0.714
7	rs1726866	T	C	REC	21/69	23/88	0.1984	1	0.656
7	rs713598	G	C	GENO	14/34/35	14/47/49	0.6554	2	0.7206
7	rs713598	G	C	TREND	62/104	75/145	0.405	1	0.5245
7	rs713598	G	C	ALLELIC	62/104	75/145	0.4388	1	0.5077
7	rs713598	G	C	DOM	48/35	61/49	0.1087	1	0.7416
7	rs713598	G	C	REC	14/69	14/96	0.6538	1	0.4188
8	rs11362	G	A	GENO	19/34/25	15/48/31	2.033	2	0.3619
8	rs11362	G	A	TREND	72/84	78/110	0.7319	1	0.3923
8	rs11362	G	A	ALLELIC	72/84	78/110	0.7543	1	0.3851
8	rs11362	G	A	DOM	53/25	63/31	0.0167	1	0.8972
8	rs11362	G	A	REC	19/59	15/79	1.897	1	0.1684
8	rs1800972	C	G	GENO	4/16/29	2/23/28	1.787	2	0.4093
8	rs1800972	C	G	TREND	24/74	27/79	0.02671	1	0.8702
8	rs1800972	C	G	ALLELIC	24/74	27/79	0.02618	1	0.8715
8	rs1800972	C	G	DOM	20/29	25/28	0.4169	1	0.5185
8	rs1800972	C	G	REC	4/45	2/51	0.8862	1	0.3465
12	rs3741559	A	G	GENO	1/6/13	3/6/14	0.8318	2	0.6598
12	rs3741559	A	G	TREND	8/32	12/34	0.3646	1	0.546
12	rs3741559	A	G	ALLELIC	8/32	12/34	0.4442	1	0.5051
12	rs3741559	A	G	DOM	7/13	9/14	0.07811	1	0.7799
12	rs3741559	A	G	REC	1/19	3/20	0.8203	1	0.3651
12	rs461872	A	G	GENO	3/7/8	4/17/5	3.669	2	0.1597
12	rs461872	A	G	TREND	13/23	25/27	1.397	1	0.2372
12	rs461872	A	G	ALLELIC	13/23	25/27	1.241	1	0.2652
12	rs461872	A	G	DOM	10/8	21/5	3.248	1	0.07149
12	rs461872	A	G	REC	3/15	4/22	0.01307	1	0.909
12	rs461872	A	G	GENO	3/6/9	3/11/10	0.68	2	0.7118
12	rs461872	A	G	TREND	12/24	17/31	0.03575	1	0.85
12	rs461872	A	G	ALLELIC	12/24	17/31	0.0395	1	0.8425
12	rs461872	A	G	DOM	9/9	14/10	0.2883	1	0.5913
12	rs461872	A	G	REC	3/15	3/21	0.1458	1	0.7025
12	rs467323	A	G	GENO	2/32/7	0/46/12	2.998	2	0.2234
12	rs467323	A	G	TREND	36/46	46/70	0.949	1	0.33
12	rs467323	A	G	ALLELIC	36/46	46/70	0.3572	1	0.5501
12	rs467323	A	G	DOM	34/7	46/12	0.2026	1	0.6527
12	rs467323	A	G	REC	2/39	0/58	2.888	1	0.08926

Table 10. (continued)

12	rs2878771	C	G	GENO	4/29/66	2/37/82	1.178	2	0.5549
12	rs2878771	C	G	TREND	37/161	41/201	0.234	1	0.6286
12	rs2878771	C	G	ALLELIC	37/161	41/201	0.2273	1	0.6335
12	rs2878771	C	G	DOM	33/66	39/82	0.03003	1	0.8624
12	rs2878771	C	G	REC	4/95	2/119	1.17	1	0.2794
12	rs3736309	G	A	GENO	3/18/55	3/31/67	1.121	2	0.571
12	rs3736309	G	A	TREND	24/128	37/165	0.3773	1	0.539
12	rs3736309	G	A	ALLELIC	24/128	37/165	0.3884	1	0.5331
12	rs3736309	G	A	DOM	21/55	34/67	0.7367	1	0.3907
12	rs3736309	G	A	REC	3/73	3/98	0.1264	1	0.7222
12	rs296763	C	G	GENO	2/42/52	11/40/70	6.137	2	0.0465
12	rs296763	C	G	TREND	46/146	62/180	0.1598	1	0.6893
12	rs296763	C	G	ALLELIC	46/146	62/180	0.1581	1	0.6909
12	rs296763	C	G	DOM	44/52	51/70	0.2953	1	0.5869
12	rs296763	C	G	REC	2/94	11/110	4.667	1	0.03074
12	rs1996315	G	A	GENO	14/52/35	28/51/42	3.54	2	0.1704
12	rs1996315	G	A	TREND	80/122	107/135	0.9158	1	0.3386
12	rs1996315	G	A	ALLELIC	80/122	107/135	0.9602	1	0.3271
12	rs1996315	G	A	DOM	66/35	79/42	7.972e-005	1	0.9929
12	rs1996315	G	A	REC	14/87	28/93	3.09	1	0.07878
14	rs1997532	C	T	GENO	4/42/51	12/43/59	3.245	2	0.1974
14	rs1997532	C	T	TREND	50/144	67/161	0.6863	1	0.4074
14	rs1997532	C	T	ALLELIC	50/144	67/161	0.6827	1	0.4087
14	rs1997532	C	T	DOM	46/51	55/59	0.01422	1	0.9051
14	rs1997532	C	T	REC	4/93	12/102	3.066	1	0.07996
14	rs1997533	C	G	GENO	6/30/40	8/28/52	1.047	2	0.5923
14	rs1997533	C	G	TREND	42/110	44/132	0.2689	1	0.6041
14	rs1997533	C	G	ALLELIC	42/110	44/132	0.292	1	0.589
14	rs1997533	C	G	DOM	36/40	36/52	0.6909	1	0.4059
14	rs1997533	C	G	REC	6/70	8/80	0.07473	1	0.7846
14	rs7150049	G	A	GENO	18/37/29	24/46/42	0.2178	2	0.8968
14	rs7150049	G	A	TREND	73/95	94/130	0.07666	1	0.7819
14	rs7150049	G	A	ALLELIC	73/95	94/130	0.08694	1	0.7681
14	rs7150049	G	A	DOM	55/29	70/42	0.184	1	0.6679
14	rs7150049	G	A	REC	18/66	24/88	6.22e-032	1	1
14	rs8011979	T	C	GENO	5/34/40	11/38/54	1.417	2	0.4923
14	rs8011979	T	C	TREND	44/114	60/146	0.06944	1	0.7922
14	rs8011979	T	C	ALLELIC	44/114	60/146	0.07157	1	0.7891
14	rs8011979	T	C	DOM	39/40	49/54	0.05764	1	0.8103
14	rs8011979	T	C	REC	5/74	11/92	1.055	1	0.3043
14	rs4903399	T	C	GENO	6/27/56	1/41/73	5.469	2	0.06492
14	rs4903399	T	C	TREND	39/139	43/187	0.671	1	0.4127
14	rs4903399	T	C	ALLELIC	39/139	43/187	0.6456	1	0.4217
14	rs4903399	T	C	DOM	33/56	42/73	0.006693	1	0.9348
14	rs4903399	T	C	REC	6/83	1/114	5.221	1	0.02232
14	rs6574293	A	G	GENO	3/10/72	2/23/87	3.094	2	0.2129
14	rs6574293	A	G	TREND	16/154	27/197	0.6094	1	0.435
14	rs6574293	A	G	ALLELIC	16/154	27/197	0.6938	1	0.4049
14	rs6574293	A	G	DOM	13/72	25/87	1.533	1	0.2157
14	rs6574293	A	G	REC	3/82	2/110	0.594	1	0.4409

Table 10. (continued)

14	rs10132091	C	T	GENO	18/40/31	32/49/28	2.993	2	0.2239
14	rs10132091	C	T	TREND	76/102	113/105	2.984	1	0.08409
14	rs10132091	C	T	ALLELIC	76/102	113/105	3.28	1	0.07013
14	rs10132091	C	T	DOM	58/31	81/28	1.958	1	0.1617
14	rs10132091	C	T	REC	18/71	32/77	2.165	1	0.1412
14	rs1077430	A	G	GENO	9/33/28	13/42/50	1.055	2	0.5902
14	rs1077430	A	G	TREND	51/89	68/142	0.5868	1	0.4436
14	rs1077430	A	G	ALLELIC	51/89	68/142	0.6133	1	0.4336
14	rs1077430	A	G	DOM	42/28	55/50	0.9869	1	0.3205
14	rs1077430	A	G	REC	9/61	13/92	0.008665	1	0.9258
14	rs745011	C	T	GENO	25/34/26	29/48/33	0.3171	2	0.8534
14	rs745011	C	T	TREND	84/86	106/114	0.05013	1	0.8228
14	rs745011	C	T	ALLELIC	84/86	106/114	0.05807	1	0.8096
14	rs745011	C	T	DOM	59/26	77/33	0.007862	1	0.9293
14	rs745011	C	T	REC	25/60	29/81	0.2225	1	0.6372
14	rs1676303	C	T	GENO	2/23/67	3/18/95	2.919	2	0.2324
14	rs1676303	C	T	TREND	27/157	24/208	1.65	1	0.199
14	rs1676303	C	T	ALLELIC	27/157	24/208	1.788	1	0.1812
14	rs1676303	C	T	DOM	25/67	21/95	2.451	1	0.1175
14	rs1676303	C	T	REC	2/90	3/113	0.03718	1	0.8471
14	rs2860216	C	T	GENO	12/29/45	11/40/59	0.7543	2	0.6858
14	rs2860216	C	T	TREND	53/119	62/158	0.2803	1	0.5965
14	rs2860216	C	T	ALLELIC	53/119	62/158	0.3226	1	0.57
14	rs2860216	C	T	DOM	41/45	51/59	0.0333	1	0.8552
14	rs2860216	C	T	REC	12/74	11/99	0.7283	1	0.3934
17	rs2619112	A	C	GENO	10/50/29	14/67/30	0.7427	2	0.6898
17	rs2619112	A	C	TREND	70/108	95/127	0.6178	1	0.4318
17	rs2619112	A	C	ALLELIC	70/108	95/127	0.49	1	0.4839
17	rs2619112	A	C	DOM	60/29	81/30	0.7335	1	0.3918
17	rs2619112	A	C	REC	10/79	14/97	0.08865	1	0.7659
17	rs7217186	C	T	GENO	4/10/6	2/14/9	1.395	2	0.4978
17	rs7217186	C	T	TREND	18/22	18/32	0.8438	1	0.3583
17	rs7217186	C	T	ALLELIC	18/22	18/32	0.75	1	0.3865
17	rs7217186	C	T	DOM	14/6	16/9	0.18	1	0.6714
17	rs7217186	C	T	REC	4/16	2/23	1.385	1	0.2393
19	rs2235091	C	T	GENO	20/32/40	7/52/57	11.38	2	0.003375
19	rs2235091	C	T	TREND	72/112	66/166	4.85	1	0.02765
19	rs2235091	C	T	ALLELIC	72/112	66/166	5.282	1	0.02155
19	rs2235091	C	T	DOM	52/40	59/57	0.6604	1	0.4164
19	rs2235091	C	T	REC	20/72	7/109	11.2	1	0.0008168
19	rs198968	A	G	GENO	5/26/54	4/42/55	2.527	2	0.2826
19	rs198968	A	G	TREND	36/134	50/152	0.6836	1	0.4083
19	rs198968	A	G	ALLELIC	36/134	50/152	0.6642	1	0.4151
19	rs198968	A	G	DOM	31/54	46/55	1.566	1	0.2107
19	rs198968	A	G	REC	5/80	4/97	0.3703	1	0.5429
No Primary vs. High Primary Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	8/40/48	40/289/294	0.9992	2	0.6068
1	rs9701796	G	C	TREND	56/136	369/877	0.01781	1	0.8938

Table 10. (continued)

1	rs9701796	G	C	ALLELIC	56/136	369/877	0.01604	1	0.8992
1	rs9701796	G	C	DOM	48/48	329/294	0.2632	1	0.608
1	rs9701796	G	C	REC	8/88	40/583	0.4885	1	0.4846
5	rs375129	T	C	GENO	21/26/34	117/185/232	0.6734	2	0.7141
5	rs375129	T	C	TREND	68/94	419/649	0.345	1	0.557
5	rs375129	T	C	ALLELIC	68/94	419/649	0.4425	1	0.5059
5	rs375129	T	C	DOM	47/34	302/232	0.06195	1	0.8034
5	rs375129	T	C	REC	21/60	117/417	0.6517	1	0.4195
5	rs27565	A	G	GENO	14/30/15	78/175/103	0.3239	2	0.8505
5	rs27565	A	G	TREND	58/60	331/381	0.2861	1	0.5927
5	rs27565	A	G	ALLELIC	58/60	331/381	0.2884	1	0.5912
5	rs27565	A	G	DOM	44/15	253/103	0.3062	1	0.58
5	rs27565	A	G	REC	14/45	78/278	0.09702	1	0.7554
5	rs6862039	A	T	GENO	2/8/75	17/75/448	1.505	2	0.4711
5	rs6862039	A	T	TREND	12/158	109/971	1.246	1	0.2642
5	rs6862039	A	T	ALLELIC	12/158	109/971	1.546	1	0.2137
5	rs6862039	A	T	DOM	10/75	92/448	1.495	1	0.2215
5	rs6862039	A	T	REC	2/83	17/523	0.1576	1	0.6914
7	rs17159702	C	T	GENO	22/44/31	104/279/227	2.125	2	0.3456
7	rs17159702	C	T	TREND	88/106	487/733	1.951	1	0.1625
7	rs17159702	C	T	ALLELIC	88/106	487/733	2.055	1	0.1517
7	rs17159702	C	T	DOM	66/31	383/227	0.997	1	0.318
7	rs17159702	C	T	REC	22/75	104/506	1.812	1	0.1783
7	rs10246939	C	T	GENO	22/31/32	128/274/156	5.125	2	0.07712
7	rs10246939	C	T	TREND	75/95	530/586	0.643	1	0.4226
7	rs10246939	C	T	ALLELIC	75/95	530/586	0.6739	1	0.4117
7	rs10246939	C	T	DOM	53/32	402/156	3.348	1	0.0673
7	rs10246939	C	T	REC	22/63	128/430	0.3573	1	0.55
7	rs1726866	T	C	GENO	21/38/31	111/298/177	2.396	2	0.3019
7	rs1726866	T	C	TREND	80/100	520/652	0.0003661	1	0.9847
7	rs1726866	T	C	ALLELIC	80/100	520/652	0.0003636	1	0.9848
7	rs1726866	T	C	DOM	59/31	409/177	0.6583	1	0.4172
7	rs1726866	T	C	REC	21/69	111/475	0.9574	1	0.3278
7	rs713598	G	C	GENO	14/34/35	75/276/212	2.025	2	0.3634
7	rs713598	G	C	TREND	62/104	426/700	0.0147	1	0.9035
7	rs713598	G	C	ALLELIC	62/104	426/700	0.0144	1	0.9045
7	rs713598	G	C	DOM	48/35	351/212	0.6239	1	0.4296
7	rs713598	G	C	REC	14/69	75/488	0.7657	1	0.3816
8	rs11362	G	A	GENO	19/34/25	74/265/145	5.01	2	0.08169
8	rs11362	G	A	TREND	72/84	413/555	0.728	1	0.3935
8	rs11362	G	A	ALLELIC	72/84	413/555	0.6665	1	0.4143
8	rs11362	G	A	DOM	53/25	339/145	0.1394	1	0.7089
8	rs11362	G	A	REC	19/59	74/410	4.001	1	0.04546
8	rs1800972	C	G	GENO	4/16/29	6/102/186	5.562	2	0.06196
8	rs1800972	C	G	TREND	24/74	114/474	1.464	1	0.2263
8	rs1800972	C	G	ALLELIC	24/74	114/474	1.361	1	0.2434
8	rs1800972	C	G	DOM	20/29	108/186	0.2991	1	0.5844
8	rs1800972	C	G	REC	4/45	6/288	5.562	1	0.01835
12	rs3741559	A	G	GENO	1/6/13	9/35/69	0.2466	2	0.884
12	rs3741559	A	G	TREND	8/32	53/173	0.2031	1	0.6522

Table 10. (continued)

12	rs3741559	A	G	ALLELIC	8/32	53/173	0.2291	1	0.6322
12	rs3741559	A	G	DOM	7/13	44/69	0.1115	1	0.7385
12	rs3741559	A	G	REC	1/19	9/104	0.2148	1	0.643
12	rs461872	A	G	GENO	3/7/8	38/97/50	2.451	2	0.2936
12	rs461872	A	G	TREND	13/23	173/197	1.547	1	0.2136
12	rs461872	A	G	ALLELIC	13/23	173/197	1.498	1	0.221
12	rs461872	A	G	DOM	10/8	135/50	2.438	1	0.1184
12	rs461872	A	G	REC	3/15	38/147	0.1527	1	0.6959
12	rs461872	A	G	GENO	3/6/9	30/51/58	0.4883	2	0.7834
12	rs461872	A	G	TREND	12/24	111/167	0.4698	1	0.4931
12	rs461872	A	G	ALLELIC	12/24	111/167	0.5817	1	0.4456
12	rs461872	A	G	DOM	9/9	81/58	0.4459	1	0.5043
12	rs461872	A	G	REC	3/15	30/109	0.232	1	0.63
12	rs467323	A	G	GENO	2/32/7	6/208/50	0.987	2	0.6105
12	rs467323	A	G	TREND	36/46	220/308	0.3788	1	0.5382
12	rs467323	A	G	ALLELIC	36/46	220/308	0.1457	1	0.7027
12	rs467323	A	G	DOM	34/7	214/50	0.08134	1	0.7755
12	rs467323	A	G	REC	2/39	6/258	0.9431	1	0.3315
12	rs2878771	C	G	GENO	4/29/66	40/164/417	1.073	2	0.5847
12	rs2878771	C	G	TREND	37/161	244/998	0.08719	1	0.7678
12	rs2878771	C	G	ALLELIC	37/161	244/998	0.09997	1	0.7519
12	rs2878771	C	G	DOM	33/66	204/417	0.009024	1	0.9243
12	rs2878771	C	G	REC	4/95	40/581	0.8578	1	0.3544
12	rs3736309	G	A	GENO	3/18/55	25/131/361	0.2439	2	0.8852
12	rs3736309	G	A	TREND	24/128	181/853	0.2432	1	0.6219
12	rs3736309	G	A	ALLELIC	24/128	181/853	0.2727	1	0.6015
12	rs3736309	G	A	DOM	21/55	156/361	0.2046	1	0.6511
12	rs3736309	G	A	REC	3/73	25/492	0.1162	1	0.7332
12	rs296763	C	G	GENO	2/42/52	28/224/350	2.427	2	0.2972
12	rs296763	C	G	TREND	46/146	280/924	0.04881	1	0.8251
12	rs296763	C	G	ALLELIC	46/146	280/924	0.04566	1	0.8308
12	rs296763	C	G	DOM	44/52	252/350	0.5351	1	0.4645
12	rs296763	C	G	REC	2/94	28/574	1.327	1	0.2493
12	rs1996315	G	A	GENO	14/52/35	133/284/215	3.065	2	0.216
12	rs1996315	G	A	TREND	80/122	550/714	1.02	1	0.3126
12	rs1996315	G	A	ALLELIC	80/122	550/714	1.086	1	0.2974
12	rs1996315	G	A	DOM	66/35	417/215	0.0156	1	0.9006
12	rs1996315	G	A	REC	14/87	133/499	2.802	1	0.09412
14	rs1997532	C	T	GENO	4/42/51	61/217/311	4.335	2	0.1145
14	rs1997532	C	T	TREND	50/144	339/839	0.6913	1	0.4057
14	rs1997532	C	T	ALLELIC	50/144	339/839	0.7401	1	0.3896
14	rs1997532	C	T	DOM	46/51	278/311	0.001677	1	0.9673
14	rs1997532	C	T	REC	4/93	61/528	3.772	1	0.05212
14	rs1997533	C	G	GENO	6/30/40	46/154/271	1.412	2	0.4937
14	rs1997533	C	G	TREND	42/110	246/696	0.1371	1	0.7112
14	rs1997533	C	G	ALLELIC	42/110	246/696	0.1553	1	0.6935
14	rs1997533	C	G	DOM	36/40	200/271	0.642	1	0.423
14	rs1997533	C	G	REC	6/70	46/425	0.2665	1	0.6057
14	rs7150049	G	A	GENO	18/37/29	119/228/223	0.7085	2	0.7017
14	rs7150049	G	A	TREND	73/95	466/674	0.3444	1	0.5573

Table 10. (continued)

14	rs7150049	G	A	ALLELIC	73/95	466/674	0.4008	1	0.5267
14	rs7150049	G	A	DOM	55/29	347/223	0.6538	1	0.4188
14	rs7150049	G	A	REC	18/66	119/451	0.01344	1	0.9077
14	rs8011979	T	C	GENO	5/34/40	54/198/290	1.847	2	0.3972
14	rs8011979	T	C	TREND	44/114	306/778	0.009168	1	0.9237
14	rs8011979	T	C	ALLELIC	44/114	306/778	0.009874	1	0.9208
14	rs8011979	T	C	DOM	39/40	252/290	0.2285	1	0.6326
14	rs8011979	T	C	REC	5/74	54/488	1.059	1	0.3034
14	rs4903399	T	C	GENO	6/27/56	30/193/352	0.6091	2	0.7375
14	rs4903399	T	C	TREND	39/139	253/897	0.000702	1	0.9789
14	rs4903399	T	C	ALLELIC	39/139	253/897	0.0007261	1	0.9785
14	rs4903399	T	C	DOM	33/56	223/352	0.09446	1	0.7586
14	rs4903399	T	C	REC	6/83	30/545	0.3492	1	0.5546
14	rs6574293	A	G	GENO	3/10/72	11/100/452	2.592	2	0.2736
14	rs6574293	A	G	TREND	16/154	122/1004	0.2838	1	0.5943
14	rs6574293	A	G	ALLELIC	16/154	122/1004	0.3144	1	0.575
14	rs6574293	A	G	DOM	13/72	111/452	0.9331	1	0.3341
14	rs6574293	A	G	REC	3/82	11/552	0.8673	1	0.3517
14	rs10132091	C	T	GENO	18/40/31	146/283/157	2.674	2	0.2627
14	rs10132091	C	T	TREND	76/102	575/597	2.407	1	0.1208
14	rs10132091	C	T	ALLELIC	76/102	575/597	2.507	1	0.1133
14	rs10132091	C	T	DOM	58/31	429/157	2.485	1	0.1149
14	rs10132091	C	T	REC	18/71	146/440	0.924	1	0.3364
14	rs1077430	A	G	GENO	9/33/28	63/201/252	2.064	2	0.3563
14	rs1077430	A	G	TREND	51/89	327/705	1.168	1	0.2798
14	rs1077430	A	G	ALLELIC	51/89	327/705	1.269	1	0.26
14	rs1077430	A	G	DOM	42/28	264/252	1.929	1	0.1648
14	rs1077430	A	G	REC	9/61	63/453	0.024	1	0.8769
14	rs745011	C	T	GENO	25/34/26	138/213/212	1.8	2	0.4065
14	rs745011	C	T	TREND	84/86	489/637	1.747	1	0.1863
14	rs745011	C	T	ALLELIC	84/86	489/637	2.144	1	0.1431
14	rs745011	C	T	DOM	59/26	351/212	1.587	1	0.2077
14	rs745011	C	T	REC	25/60	138/425	0.9419	1	0.3318
14	rs1676303	C	T	GENO	2/23/67	14/120/460	1.112	2	0.5735
14	rs1676303	C	T	TREND	27/157	148/1040	0.6612	1	0.4162
14	rs1676303	C	T	ALLELIC	27/157	148/1040	0.7031	1	0.4018
14	rs1676303	C	T	DOM	25/67	134/460	0.9529	1	0.329
14	rs1676303	C	T	REC	2/90	14/580	0.01171	1	0.9138
14	rs2860216	C	T	GENO	12/29/45	42/187/314	3.749	2	0.1534
14	rs2860216	C	T	TREND	53/119	271/815	2.42	1	0.1198
14	rs2860216	C	T	ALLELIC	53/119	271/815	2.666	1	0.1025
14	rs2860216	C	T	DOM	41/45	229/314	0.9171	1	0.3382
14	rs2860216	C	T	REC	12/74	42/501	3.658	1	0.05579
17	rs2619112	A	C	GENO	10/50/29	100/278/211	3.09	2	0.2134
17	rs2619112	A	C	TREND	70/108	478/700	0.101	1	0.7506
17	rs2619112	A	C	ALLELIC	70/108	478/700	0.1006	1	0.7512
17	rs2619112	A	C	DOM	60/29	378/211	0.3547	1	0.5514
17	rs2619112	A	C	REC	10/79	100/489	1.875	1	0.1708
17	rs7217186	C	T	GENO	4/10/6	36/89/82	0.7104	2	0.701
17	rs7217186	C	T	TREND	18/22	161/253	0.5248	1	0.4688

Table 10. (continued)

17	rs7217186	C	T	ALLELIC	18/22	161/253	0.5704	1	0.4501
17	rs7217186	C	T	DOM	14/6	125/82	0.7101	1	0.3994
17	rs7217186	C	T	REC	4/16	36/171	0.0855	1	0.77
19	rs2235091	C	T	GENO	20/32/40	55/253/281	12.68	2	0.001762
19	rs2235091	C	T	TREND	72/112	363/815	4.88	1	0.02717
19	rs2235091	C	T	ALLELIC	72/112	363/815	5.062	1	0.02445
19	rs2235091	C	T	DOM	52/40	308/281	0.5713	1	0.4497
19	rs2235091	C	T	REC	20/72	55/534	12.49	1	0.0004099
19	rs198968	A	G	GENO	5/26/54	32/186/318	0.5807	2	0.748
19	rs198968	A	G	TREND	36/134	250/822	0.3671	1	0.5446
19	rs198968	A	G	ALLELIC	36/134	250/822	0.3807	1	0.5372
19	rs198968	A	G	DOM	31/54	218/318	0.5391	1	0.4628
19	rs198968	A	G	REC	5/80	32/504	0.001009	1	0.9747
No Primary vs. Low Primary Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	8/54/58	40/289/294	0.07917	2	0.9612
1	rs9701796	G	C	TREND	70/170	369/877	0.02179	1	0.8827
1	rs9701796	G	C	ALLELIC	70/170	369/877	0.01941	1	0.8892
1	rs9701796	G	C	DOM	62/58	329/294	0.05266	1	0.8185
1	rs9701796	G	C	REC	8/112	40/583	0.01009	1	0.92
5	rs375129	T	C	GENO	20/30/47	117/185/232	0.8614	2	0.65
5	rs375129	T	C	TREND	70/124	419/649	0.5352	1	0.4644
5	rs375129	T	C	ALLELIC	70/124	419/649	0.6863	1	0.4074
5	rs375129	T	C	DOM	50/47	302/232	0.8347	1	0.3609
5	rs375129	T	C	REC	20/77	117/417	0.08056	1	0.7765
5	rs27565	A	G	GENO	17/32/14	78/175/103	1.5	2	0.4724
5	rs27565	A	G	TREND	66/60	331/381	1.477	1	0.2242
5	rs27565	A	G	ALLELIC	66/60	331/381	1.491	1	0.2221
5	rs27565	A	G	DOM	49/14	253/103	1.198	1	0.2738
5	rs27565	A	G	REC	17/46	78/278	0.786	1	0.3753
5	rs6862039	A	T	GENO	1/16/92	17/75/448	1.69	2	0.4295
5	rs6862039	A	T	TREND	18/200	109/971	0.5743	1	0.4486
5	rs6862039	A	T	ALLELIC	18/200	109/971	0.6925	1	0.4053
5	rs6862039	A	T	DOM	17/92	92/448	0.1347	1	0.7136
5	rs6862039	A	T	REC	1/108	17/523	1.674	1	0.1958
7	rs17159702	C	T	GENO	22/58/40	104/279/227	0.6548	2	0.7208
7	rs17159702	C	T	TREND	102/138	487/733	0.5337	1	0.4651
7	rs17159702	C	T	ALLELIC	102/138	487/733	0.5555	1	0.4561
7	rs17159702	C	T	DOM	80/40	383/227	0.6507	1	0.4199
7	rs17159702	C	T	REC	22/98	104/506	0.1158	1	0.7336
7	rs10246939	C	T	GENO	22/46/33	128/274/156	0.9367	2	0.626
7	rs10246939	C	T	TREND	90/112	530/586	0.5774	1	0.4473
7	rs10246939	C	T	ALLELIC	90/112	530/586	0.5921	1	0.4416
7	rs10246939	C	T	DOM	68/33	402/156	0.93	1	0.3349
7	rs10246939	C	T	REC	22/79	128/430	0.06511	1	0.7986
7	rs1726866	T	C	GENO	23/47/41	111/298/177	2.872	2	0.2379
7	rs1726866	T	C	TREND	93/129	520/652	0.4668	1	0.4944
7	rs1726866	T	C	ALLELIC	93/129	520/652	0.4647	1	0.4954
7	rs1726866	T	C	DOM	70/41	409/177	1.968	1	0.1607

Table 10. (continued)

7	rs1726866	T	C	REC	23/88	111/475	0.1901	1	0.6628
7	rs713598	G	C	GENO	14/47/49	75/276/212	1.911	2	0.3846
7	rs713598	G	C	TREND	75/145	426/700	1.133	1	0.287
7	rs713598	G	C	ALLELIC	75/145	426/700	1.103	1	0.2936
7	rs713598	G	C	DOM	61/49	351/212	1.84	1	0.1749
7	rs713598	G	C	REC	14/96	75/488	0.02831	1	0.8664
8	rs11362	G	A	GENO	15/48/31	74/265/145	0.4563	2	0.796
8	rs11362	G	A	TREND	78/110	413/555	0.0999	1	0.752
8	rs11362	G	A	ALLELIC	78/110	413/555	0.08909	1	0.7653
8	rs11362	G	A	DOM	63/31	339/145	0.339	1	0.5604
8	rs11362	G	A	REC	15/79	74/410	0.02698	1	0.8695
8	rs1800972	C	G	GENO	2/23/28	6/102/186	2.322	2	0.3132
8	rs1800972	C	G	TREND	27/79	114/474	2.314	1	0.1282
8	rs1800972	C	G	ALLELIC	27/79	114/474	2.053	1	0.1519
8	rs1800972	C	G	DOM	25/28	108/186	2.069	1	0.1504
8	rs1800972	C	G	REC	2/51	6/288	0.5986	1	0.4391
12	rs3741559	A	G	GENO	3/6/14	9/35/69	0.7102	2	0.7011
12	rs3741559	A	G	TREND	12/34	53/173	0.1247	1	0.724
12	rs3741559	A	G	ALLELIC	12/34	53/173	0.146	1	0.7024
12	rs3741559	A	G	DOM	9/14	44/69	0.0002974	1	0.9862
12	rs3741559	A	G	REC	3/20	9/104	0.6127	1	0.4338
12	rs461872	A	G	GENO	4/17/5	38/97/50	1.544	2	0.4621
12	rs461872	A	G	TREND	25/27	173/197	0.03486	1	0.8519
12	rs461872	A	G	ALLELIC	25/27	173/197	0.03191	1	0.8582
12	rs461872	A	G	DOM	21/5	135/50	0.719	1	0.3965
12	rs461872	A	G	REC	4/22	38/147	0.3801	1	0.5375
12	rs461872	A	G	GENO	3/11/10	30/51/58	1.284	2	0.5263
12	rs461872	A	G	TREND	17/31	111/167	0.2905	1	0.5899
12	rs461872	A	G	ALLELIC	17/31	111/167	0.3493	1	0.5545
12	rs461872	A	G	DOM	14/10	81/58	3.025e-005	1	0.9956
12	rs461872	A	G	REC	3/21	30/109	1.046	1	0.3065
12	rs467323	A	G	GENO	0/46/12	6/208/50	1.395	2	0.4977
12	rs467323	A	G	TREND	46/70	220/308	0.4254	1	0.5143
12	rs467323	A	G	ALLELIC	46/70	220/308	0.1587	1	0.6903
12	rs467323	A	G	DOM	46/12	214/50	0.0937	1	0.7595
12	rs467323	A	G	REC	0/58	6/258	1.343	1	0.2465
12	rs2878771	C	G	GENO	2/37/82	40/164/417	4.758	2	0.09266
12	rs2878771	C	G	TREND	41/201	244/998	0.8465	1	0.3575
12	rs2878771	C	G	ALLELIC	41/201	244/998	0.9541	1	0.3287
12	rs2878771	C	G	DOM	39/82	204/417	0.01761	1	0.8944
12	rs2878771	C	G	REC	2/119	40/581	4.348	1	0.03705
12	rs3736309	G	A	GENO	3/31/67	25/131/361	1.722	2	0.4228
12	rs3736309	G	A	TREND	37/165	181/853	0.06987	1	0.7915
12	rs3736309	G	A	ALLELIC	37/165	181/853	0.0767	1	0.7818
12	rs3736309	G	A	DOM	34/67	156/361	0.4831	1	0.487
12	rs3736309	G	A	REC	3/98	25/492	0.6796	1	0.4097
12	rs296763	C	G	GENO	11/40/70	28/224/350	4.159	2	0.125
12	rs296763	C	G	TREND	62/180	280/924	0.6306	1	0.4271
12	rs296763	C	G	ALLELIC	62/180	280/924	0.6236	1	0.4297
12	rs296763	C	G	DOM	51/70	252/350	0.00344	1	0.9532

Table 10. (continued)

12	rs296763	C	G	REC	11/110	28/574	3.891	1	0.04853
12	rs1996315	G	A	GENO	28/51/42	133/284/215	0.4004	2	0.8186
12	rs1996315	G	A	TREND	107/135	550/714	0.03717	1	0.8471
12	rs1996315	G	A	ALLELIC	107/135	550/714	0.04072	1	0.8401
12	rs1996315	G	A	DOM	79/42	417/215	0.02162	1	0.8831
12	rs1996315	G	A	REC	28/93	133/499	0.2655	1	0.6064
14	rs1997532	C	T	GENO	12/43/59	61/217/311	0.04242	2	0.979
14	rs1997532	C	T	TREND	67/161	339/839	0.03131	1	0.8596
14	rs1997532	C	T	ALLELIC	67/161	339/839	0.03443	1	0.8528
14	rs1997532	C	T	DOM	55/59	278/311	0.042	1	0.8376
14	rs1997532	C	T	REC	12/102	61/528	0.002959	1	0.9566
14	rs1997533	C	G	GENO	8/28/52	46/154/271	0.08357	2	0.9591
14	rs1997533	C	G	TREND	44/132	246/696	0.08321	1	0.773
14	rs1997533	C	G	ALLELIC	44/132	246/696	0.09591	1	0.7568
14	rs1997533	C	G	DOM	36/52	200/271	0.07338	1	0.7865
14	rs1997533	C	G	REC	8/80	46/425	0.03877	1	0.8439
14	rs7150049	G	A	GENO	24/46/42	119/228/223	0.1038	2	0.9494
14	rs7150049	G	A	TREND	94/130	466/674	0.07814	1	0.7798
14	rs7150049	G	A	ALLELIC	94/130	466/674	0.09142	1	0.7624
14	rs7150049	G	A	DOM	70/42	347/223	0.1038	1	0.7474
14	rs7150049	G	A	REC	24/88	119/451	0.01717	1	0.8957
14	rs8011979	T	C	GENO	11/38/54	54/198/290	0.06606	2	0.9675
14	rs8011979	T	C	TREND	60/146	306/778	0.06238	1	0.8028
14	rs8011979	T	C	ALLELIC	60/146	306/778	0.0686	1	0.7934
14	rs8011979	T	C	DOM	49/54	252/290	0.04044	1	0.8406
14	rs8011979	T	C	REC	11/92	54/488	0.04903	1	0.8248
14	rs4903399	T	C	GENO	1/41/73	30/193/352	4.235	2	0.1203
14	rs4903399	T	C	TREND	43/187	253/897	1.25	1	0.2635
14	rs4903399	T	C	ALLELIC	43/187	253/897	1.242	1	0.2651
14	rs4903399	T	C	DOM	42/73	223/352	0.2071	1	0.6491
14	rs4903399	T	C	REC	1/114	30/545	4.222	1	0.0399
14	rs6574293	A	G	GENO	2/23/87	11/100/452	0.4875	2	0.7837
14	rs6574293	A	G	TREND	27/197	122/1004	0.2636	1	0.6076
14	rs6574293	A	G	ALLELIC	27/197	122/1004	0.2826	1	0.595
14	rs6574293	A	G	DOM	25/87	111/452	0.3942	1	0.5301
14	rs6574293	A	G	REC	2/110	11/552	0.01398	1	0.9059
14	rs10132091	C	T	GENO	32/49/28	146/283/157	0.965	2	0.6172
14	rs10132091	C	T	TREND	113/105	575/597	0.5415	1	0.4618
14	rs10132091	C	T	ALLELIC	113/105	575/597	0.5656	1	0.452
14	rs10132091	C	T	DOM	81/28	429/157	0.05732	1	0.8108
14	rs10132091	C	T	REC	32/77	146/440	0.9523	1	0.3291
14	rs1077430	A	G	GENO	13/42/50	63/201/252	0.05314	2	0.9738
14	rs1077430	A	G	TREND	68/142	327/705	0.03539	1	0.8508
14	rs1077430	A	G	ALLELIC	68/142	327/705	0.03885	1	0.8437
14	rs1077430	A	G	DOM	55/50	264/252	0.05183	1	0.8199
14	rs1077430	A	G	REC	13/92	63/453	0.002393	1	0.961
14	rs745011	C	T	GENO	29/48/33	138/213/212	2.408	2	0.3
14	rs745011	C	T	TREND	106/114	489/637	1.389	1	0.2385
14	rs745011	C	T	ALLELIC	106/114	489/637	1.686	1	0.1941
14	rs745011	C	T	DOM	77/33	351/212	2.329	1	0.127

Table 10. (continued)

14	rs745011	C	T	REC	29/81	138/425	0.1692	1	0.6808
14	rs1676303	C	T	GENO	3/18/95	14/120/460	1.364	2	0.5057
14	rs1676303	C	T	TREND	24/208	148/1040	0.7489	1	0.3868
14	rs1676303	C	T	ALLELIC	24/208	148/1040	0.8141	1	0.3669
14	rs1676303	C	T	DOM	21/95	134/460	1.129	1	0.288
14	rs1676303	C	T	REC	3/113	14/580	0.02183	1	0.8825
14	rs2860216	C	T	GENO	11/40/59	42/187/314	0.957	2	0.6197
14	rs2860216	C	T	TREND	62/158	271/815	0.9248	1	0.3362
14	rs2860216	C	T	ALLELIC	62/158	271/815	1.003	1	0.3165
14	rs2860216	C	T	DOM	51/59	229/314	0.6558	1	0.418
14	rs2860216	C	T	REC	11/99	42/501	0.6293	1	0.4276
17	rs2619112	A	C	GENO	14/67/30	100/278/211	6.475	2	0.03927
17	rs2619112	A	C	TREND	95/127	478/700	0.3867	1	0.534
17	rs2619112	A	C	ALLELIC	95/127	478/700	0.3793	1	0.538
17	rs2619112	A	C	DOM	81/30	378/211	3.201	1	0.07358
17	rs2619112	A	C	REC	14/97	100/489	1.305	1	0.2532
17	rs7217186	C	T	GENO	2/14/9	36/89/82	2.125	2	0.3456
17	rs7217186	C	T	TREND	18/32	161/253	0.1478	1	0.7007
17	rs7217186	C	T	ALLELIC	18/32	161/253	0.1571	1	0.6918
17	rs7217186	C	T	DOM	16/9	125/82	0.1222	1	0.7267
17	rs7217186	C	T	REC	2/23	36/171	1.436	1	0.2307
19	rs2235091	C	T	GENO	7/52/57	55/253/281	1.322	2	0.5162
19	rs2235091	C	T	TREND	66/166	363/815	0.5243	1	0.469
19	rs2235091	C	T	ALLELIC	66/166	363/815	0.5129	1	0.4739
19	rs2235091	C	T	DOM	59/57	308/281	0.0794	1	0.7781
19	rs2235091	C	T	REC	7/109	55/534	1.318	1	0.2509
19	rs198968	A	G	GENO	4/42/55	32/186/318	2.077	2	0.354
19	rs198968	A	G	TREND	50/152	250/822	0.1924	1	0.661
19	rs198968	A	G	ALLELIC	50/152	250/822	0.1935	1	0.66
19	rs198968	A	G	DOM	46/55	218/318	0.8316	1	0.3618
19	rs198968	A	G	REC	4/97	32/504	0.6438	1	0.4223
No Caries vs. Very High Caries Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	6/92/94	9/57/57	2.913	2	0.233
1	rs9701796	G	C	TREND	104/280	75/171	1.021	1	0.3124
1	rs9701796	G	C	ALLELIC	104/280	75/171	0.8544	1	0.3553
1	rs9701796	G	C	DOM	98/94	66/57	0.2057	1	0.6501
1	rs9701796	G	C	REC	6/186	9/114	2.905	1	0.0883
5	rs375129	T	C	GENO	38/66/70	25/30/43	1.517	2	0.4684
5	rs375129	T	C	TREND	142/206	80/116	5.625e-006	1	0.9981
5	rs375129	T	C	ALLELIC	142/206	80/116	7.141e-006	1	0.9979
5	rs375129	T	C	DOM	104/70	55/43	0.3435	1	0.5578
5	rs375129	T	C	REC	38/136	25/73	0.4747	1	0.4908
5	rs27565	A	G	GENO	23/67/32	12/33/20	0.4542	2	0.7968
5	rs27565	A	G	TREND	113/131	57/73	0.2256	1	0.6348
5	rs27565	A	G	ALLELIC	113/131	57/73	0.2079	1	0.6484
5	rs27565	A	G	DOM	90/32	45/20	0.4353	1	0.5094
5	rs27565	A	G	REC	23/99	12/53	0.00426	1	0.948
5	rs6862039	A	T	GENO	3/22/146	4/18/87	1.845	2	0.3976

Table 10. (continued)

5	rs6862039	A	T	TREND	28/314	26/192	1.81	1	0.1785
5	rs6862039	A	T	ALLELIC	28/314	26/192	2.137	1	0.1438
5	rs6862039	A	T	DOM	25/146	22/87	1.475	1	0.2245
5	rs6862039	A	T	REC	3/168	4/105	1.002	1	0.3169
7	rs17159702	C	T	GENO	31/86/72	32/56/33	6.223	2	0.04454
7	rs17159702	C	T	TREND	148/230	120/122	6.135	1	0.01325
7	rs17159702	C	T	ALLELIC	148/230	120/122	6.544	1	0.01052
7	rs17159702	C	T	DOM	117/72	88/33	3.858	1	0.04952
7	rs17159702	C	T	REC	31/158	32/89	4.596	1	0.03204
7	rs10246939	C	T	GENO	29/99/49	26/42/40	7.872	2	0.01952
7	rs10246939	C	T	TREND	157/197	94/122	0.0378	1	0.8458
7	rs10246939	C	T	ALLELIC	157/197	94/122	0.03766	1	0.8461
7	rs10246939	C	T	DOM	128/49	68/40	2.732	1	0.09833
7	rs10246939	C	T	REC	29/148	26/82	2.547	1	0.1105
7	rs1726866	T	C	GENO	28/105/54	19/54/40	2.038	2	0.361
7	rs1726866	T	C	TREND	161/213	92/134	0.3464	1	0.5562
7	rs1726866	T	C	ALLELIC	161/213	92/134	0.3164	1	0.5738
7	rs1726866	T	C	DOM	133/54	73/40	1.392	1	0.238
7	rs1726866	T	C	REC	28/159	19/94	0.1807	1	0.6708
7	rs713598	G	C	GENO	18/95/65	12/48/46	1.759	2	0.4149
7	rs713598	G	C	TREND	131/225	72/140	0.5147	1	0.4731
7	rs713598	G	C	ALLELIC	131/225	72/140	0.4652	1	0.4952
7	rs713598	G	C	DOM	113/65	60/46	1.321	1	0.2505
7	rs713598	G	C	REC	18/160	12/94	0.1027	1	0.7486
8	rs11362	G	A	GENO	23/83/41	23/48/31	2.696	2	0.2598
8	rs11362	G	A	TREND	129/165	94/110	0.252	1	0.6157
8	rs11362	G	A	ALLELIC	129/165	94/110	0.2359	1	0.6272
8	rs11362	G	A	DOM	106/41	71/31	0.1832	1	0.6686
8	rs11362	G	A	REC	23/124	23/79	1.905	1	0.1675
8	rs1800972	C	G	GENO	4/37/57	1/21/29	0.5603	2	0.7557
8	rs1800972	C	G	TREND	45/151	23/79	0.007161	1	0.9326
8	rs1800972	C	G	ALLELIC	45/151	23/79	0.006408	1	0.9362
8	rs1800972	C	G	DOM	41/57	22/29	0.02325	1	0.8788
8	rs1800972	C	G	REC	4/94	1/50	0.4652	1	0.4952
12	rs3741559	A	G	GENO	3/11/18	2/8/17	0.2805	2	0.8691
12	rs3741559	A	G	TREND	17/47	12/42	0.2631	1	0.608
12	rs3741559	A	G	ALLELIC	17/47	12/42	0.2976	1	0.5854
12	rs3741559	A	G	DOM	14/18	10/17	0.2735	1	0.601
12	rs3741559	A	G	REC	3/29	2/25	0.07309	1	0.7869
12	rs461872	A	G	GENO	11/19/15	8/11/11	0.2317	2	0.8906
12	rs461872	A	G	TREND	41/49	27/33	0.003758	1	0.9511
12	rs461872	A	G	ALLELIC	41/49	27/33	0.004484	1	0.9466
12	rs461872	A	G	DOM	30/15	19/11	0.0883	1	0.7663
12	rs461872	A	G	REC	11/34	8/22	0.04699	1	0.8284
12	rs461872	A	G	GENO	10/16/15	6/5/14	3.1	2	0.2123
12	rs461872	A	G	TREND	36/46	17/33	0.9473	1	0.3304
12	rs461872	A	G	ALLELIC	36/46	17/33	1.267	1	0.2602
12	rs461872	A	G	DOM	26/15	11/14	2.376	1	0.1232
12	rs461872	A	G	REC	10/31	6/19	0.001288	1	0.9714
12	rs467323	A	G	GENO	3/61/14	2/50/5	2.343	2	0.3099

Table 10. (continued)

12	rs467323	A	G	TREND	67/89	54/60	1.541	1	0.2145
12	rs467323	A	G	ALLELIC	67/89	54/60	0.5202	1	0.4707
12	rs467323	A	G	DOM	64/14	52/5	2.293	1	0.1299
12	rs467323	A	G	REC	3/75	2/55	0.01051	1	0.9183
12	rs2878771	C	G	GENO	14/45/137	7/32/82	0.6318	2	0.7291
12	rs2878771	C	G	TREND	73/319	46/196	0.01214	1	0.9123
12	rs2878771	C	G	ALLELIC	73/319	46/196	0.01461	1	0.9038
12	rs2878771	C	G	DOM	59/137	39/82	0.1588	1	0.6902
12	rs2878771	C	G	REC	14/182	7/114	0.223	1	0.6368
12	rs3736309	G	A	GENO	3/40/114	3/26/72	0.3133	2	0.855
12	rs3736309	G	A	TREND	46/268	32/170	0.1357	1	0.7126
12	rs3736309	G	A	ALLELIC	46/268	32/170	0.1361	1	0.7122
12	rs3736309	G	A	DOM	43/114	29/72	0.05358	1	0.8169
12	rs3736309	G	A	REC	3/154	3/98	0.3037	1	0.5816
12	rs296763	C	G	GENO	11/69/104	6/45/72	0.23	2	0.8914
12	rs296763	C	G	TREND	91/277	57/189	0.1985	1	0.656
12	rs296763	C	G	ALLELIC	91/277	57/189	0.1955	1	0.6584
12	rs296763	C	G	DOM	80/104	51/72	0.1223	1	0.7265
12	rs296763	C	G	REC	11/173	6/117	0.1706	1	0.6796
12	rs1996315	G	A	GENO	41/97/56	21/50/52	6.027	2	0.04912
12	rs1996315	G	A	TREND	179/209	92/154	4.46	1	0.0347
12	rs1996315	G	A	ALLELIC	179/209	92/154	4.694	1	0.03026
12	rs1996315	G	A	DOM	138/56	71/52	6.027	1	0.01409
12	rs1996315	G	A	REC	41/153	21/102	0.789	1	0.3744
14	rs1997532	C	T	GENO	19/72/93	16/46/63	0.5083	2	0.7756
14	rs1997532	C	T	TREND	110/258	78/172	0.1097	1	0.7405
14	rs1997532	C	T	ALLELIC	110/258	78/172	0.1205	1	0.7285
14	rs1997532	C	T	DOM	91/93	62/63	0.000613	1	0.9802
14	rs1997532	C	T	REC	19/165	16/109	0.4536	1	0.5006
14	rs1997533	C	G	GENO	14/55/83	13/28/51	1.818	2	0.403
14	rs1997533	C	G	TREND	83/221	54/130	0.2051	1	0.6506
14	rs1997533	C	G	ALLELIC	83/221	54/130	0.2374	1	0.6261
14	rs1997533	C	G	DOM	69/83	41/51	0.01593	1	0.8996
14	rs1997533	C	G	REC	14/138	13/79	1.41	1	0.2351
14	rs7150049	G	A	GENO	35/77/65	30/45/42	1.541	2	0.4627
14	rs7150049	G	A	TREND	147/207	105/129	0.5588	1	0.4547
14	rs7150049	G	A	ALLELIC	147/207	105/129	0.6442	1	0.4222
14	rs7150049	G	A	DOM	112/65	75/42	0.02075	1	0.8855
14	rs7150049	G	A	REC	35/142	30/87	1.408	1	0.2354
14	rs8011979	T	C	GENO	18/63/87	16/40/51	1.172	2	0.5567
14	rs8011979	T	C	TREND	99/237	72/142	0.9472	1	0.3304
14	rs8011979	T	C	ALLELIC	99/237	72/142	1.066	1	0.3017
14	rs8011979	T	C	DOM	81/87	56/51	0.4443	1	0.5051
14	rs8011979	T	C	REC	18/150	16/91	1.084	1	0.2978
14	rs4903399	T	C	GENO	10/57/108	3/44/70	2.118	2	0.3468
14	rs4903399	T	C	TREND	77/273	50/184	0.03351	1	0.8547
14	rs4903399	T	C	ALLELIC	77/273	50/184	0.03297	1	0.8559
14	rs4903399	T	C	DOM	67/108	47/70	0.1047	1	0.7462
14	rs4903399	T	C	REC	10/165	3/114	1.636	1	0.2009
14	rs6574293	A	G	GENO	6/30/144	2/16/88	0.6766	2	0.713

Table 10. (continued)

14	rs6574293	A	G	TREND	42/318	20/192	0.5893	1	0.4427
14	rs6574293	A	G	ALLELIC	42/318	20/192	0.6882	1	0.4068
14	rs6574293	A	G	DOM	36/144	18/88	0.397	1	0.5287
14	rs6574293	A	G	REC	6/174	2/104	0.5134	1	0.4737
14	rs10132091	C	T	GENO	45/96/39	30/48/33	3.326	2	0.1896
14	rs10132091	C	T	TREND	186/174	108/114	0.4953	1	0.4816
14	rs10132091	C	T	ALLELIC	186/174	108/114	0.5004	1	0.4793
14	rs10132091	C	T	DOM	141/39	78/33	2.397	1	0.1215
14	rs10132091	C	T	REC	45/135	30/81	0.1475	1	0.701
14	rs1077430	A	G	GENO	22/62/76	11/43/43	0.8644	2	0.6491
14	rs1077430	A	G	TREND	106/214	65/129	0.007281	1	0.932
14	rs1077430	A	G	ALLELIC	106/214	65/129	0.007862	1	0.9293
14	rs1077430	A	G	DOM	84/76	54/43	0.2441	1	0.6213
14	rs1077430	A	G	REC	22/138	11/86	0.3133	1	0.5756
14	rs745011	C	T	GENO	51/68/58	22/47/41	2.785	2	0.2484
14	rs745011	C	T	TREND	170/184	91/129	2.036	1	0.1537
14	rs745011	C	T	ALLELIC	170/184	91/129	2.426	1	0.1193
14	rs745011	C	T	DOM	119/58	69/41	0.6091	1	0.4351
14	rs745011	C	T	REC	51/126	22/88	2.779	1	0.09554
14	rs1676303	C	T	GENO	5/36/146	1/26/90	1.53	2	0.4652
14	rs1676303	C	T	TREND	46/328	28/206	0.01433	1	0.9047
14	rs1676303	C	T	ALLELIC	46/328	28/206	0.01499	1	0.9026
14	rs1676303	C	T	DOM	41/146	27/90	0.05498	1	0.8146
14	rs1676303	C	T	REC	5/182	1/116	1.231	1	0.2672
14	rs2860216	C	T	GENO	10/63/98	13/43/51	4.495	2	0.1057
14	rs2860216	C	T	TREND	83/259	69/145	4.05	1	0.04416
14	rs2860216	C	T	ALLELIC	83/259	69/145	4.213	1	0.0401
14	rs2860216	C	T	DOM	73/98	56/51	2.463	1	0.1166
14	rs2860216	C	T	REC	10/161	13/94	3.444	1	0.06348
17	rs2619112	A	C	GENO	29/87/72	17/60/37	1.272	2	0.5294
17	rs2619112	A	C	TREND	145/231	94/134	0.429	1	0.5125
17	rs2619112	A	C	ALLELIC	145/231	94/134	0.4213	1	0.5163
17	rs2619112	A	C	DOM	116/72	77/37	1.05	1	0.3055
17	rs2619112	A	C	REC	29/159	17/97	0.01448	1	0.9042
17	rs7217186	C	T	GENO	7/30/29	5/11/10	1.237	2	0.5387
17	rs7217186	C	T	TREND	44/88	21/31	0.7923	1	0.3734
17	rs7217186	C	T	ALLELIC	44/88	21/31	0.8118	1	0.3676
17	rs7217186	C	T	DOM	37/29	16/10	0.2292	1	0.6321
17	rs7217186	C	T	REC	7/59	5/21	1.223	1	0.2687
19	rs2235091	C	T	GENO	17/78/89	16/48/52	1.549	2	0.461
19	rs2235091	C	T	TREND	112/256	80/152	1.035	1	0.3089
19	rs2235091	C	T	ALLELIC	112/256	80/152	1.072	1	0.3006
19	rs2235091	C	T	DOM	95/89	64/52	0.3583	1	0.5494
19	rs2235091	C	T	REC	17/167	16/100	1.507	1	0.2196
19	rs198968	A	G	GENO	8/63/101	7/35/68	0.9239	2	0.6301
19	rs198968	A	G	TREND	79/265	49/171	0.03632	1	0.8489
19	rs198968	A	G	ALLELIC	79/265	49/171	0.03667	1	0.8481
19	rs198968	A	G	DOM	71/101	42/68	0.268	1	0.6047
19	rs198968	A	G	REC	8/164	7/103	0.3907	1	0.5319

Table 10. (continued)

Low Caries vs. Very High Caries Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	22/124/147	9/57/57	0.5852	2	0.7463
1	rs9701796	G	C	TREND	168/418	75/171	0.2925	1	0.5886
1	rs9701796	G	C	ALLELIC	168/418	75/171	0.2772	1	0.5985
1	rs9701796	G	C	DOM	146/147	66/57	0.5083	1	0.4759
1	rs9701796	G	C	REC	22/271	9/114	0.004605	1	0.9459
5	rs375129	T	C	GENO	50/84/111	25/30/43	1.149	2	0.5629
5	rs375129	T	C	TREND	184/306	80/116	0.4858	1	0.4858
5	rs375129	T	C	ALLELIC	184/306	80/116	0.6305	1	0.4272
5	rs375129	T	C	DOM	134/111	55/43	0.05774	1	0.8101
5	rs375129	T	C	REC	50/195	25/73	1.067	1	0.3017
5	rs27565	A	G	GENO	42/68/50	12/33/20	1.876	2	0.3914
5	rs27565	A	G	TREND	152/168	57/73	0.452	1	0.5014
5	rs27565	A	G	ALLELIC	152/168	57/73	0.4962	1	0.4812
5	rs27565	A	G	DOM	110/50	45/20	0.004985	1	0.9437
5	rs27565	A	G	REC	42/118	12/53	1.537	1	0.215
5	rs6862039	A	T	GENO	9/37/208	4/18/87	0.2345	2	0.8893
5	rs6862039	A	T	TREND	55/453	26/192	0.1506	1	0.6979
5	rs6862039	A	T	ALLELIC	55/453	26/192	0.1862	1	0.6661
5	rs6862039	A	T	DOM	46/208	22/87	0.2153	1	0.6426
5	rs6862039	A	T	REC	9/245	4/105	0.00353	1	0.9526
7	rs17159702	C	T	GENO	43/135/104	32/56/33	8.049	2	0.01787
7	rs17159702	C	T	TREND	221/343	120/122	7.295	1	0.006915
7	rs17159702	C	T	ALLELIC	221/343	120/122	7.507	1	0.006145
7	rs17159702	C	T	DOM	178/104	88/33	3.482	1	0.06202
7	rs17159702	C	T	REC	43/239	32/89	7.01	1	0.008108
7	rs10246939	C	T	GENO	56/119/80	26/42/40	1.921	2	0.3827
7	rs10246939	C	T	TREND	231/279	94/122	0.1754	1	0.6754
7	rs10246939	C	T	ALLELIC	231/279	94/122	0.1935	1	0.66
7	rs10246939	C	T	DOM	175/80	68/40	1.1	1	0.2943
7	rs10246939	C	T	REC	56/199	26/82	0.1938	1	0.6598
7	rs1726866	T	C	GENO	56/123/93	19/54/40	0.7318	2	0.6936
7	rs1726866	T	C	TREND	235/309	92/134	0.3827	1	0.5362
7	rs1726866	T	C	ALLELIC	235/309	92/134	0.4054	1	0.5243
7	rs1726866	T	C	DOM	179/93	73/40	0.05144	1	0.8206
7	rs1726866	T	C	REC	56/216	19/94	0.7249	1	0.3945
7	rs713598	G	C	GENO	39/111/115	12/48/46	0.8391	2	0.6574
7	rs713598	G	C	TREND	189/341	72/140	0.1806	1	0.6708
7	rs713598	G	C	ALLELIC	189/341	72/140	0.1915	1	0.6617
7	rs713598	G	C	DOM	150/115	60/46	9.603e-032	1	1
7	rs713598	G	C	REC	39/226	12/94	0.7365	1	0.3908
8	rs11362	G	A	GENO	31/116/74	23/48/31	3.642	2	0.1619
8	rs11362	G	A	TREND	178/264	94/110	2.014	1	0.1558
8	rs11362	G	A	ALLELIC	178/264	94/110	1.931	1	0.1647
8	rs11362	G	A	DOM	147/74	71/31	0.3041	1	0.5813
8	rs11362	G	A	REC	31/190	23/79	3.64	1	0.0564
8	rs1800972	C	G	GENO	4/46/90	1/21/29	1.183	2	0.5535
8	rs1800972	C	G	TREND	54/226	23/79	0.5435	1	0.461
8	rs1800972	C	G	ALLELIC	54/226	23/79	0.4947	1	0.4818

Table 10. (continued)

8	rs1800972	C	G	DOM	50/90	22/29	0.877	1	0.349
8	rs1800972	C	G	REC	4/136	1/50	0.1178	1	0.7314
12	rs3741559	A	G	GENO	5/14/37	2/8/17	0.2243	2	0.8939
12	rs3741559	A	G	TREND	24/88	12/42	0.01108	1	0.9162
12	rs3741559	A	G	ALLELIC	24/88	12/42	0.01351	1	0.9075
12	rs3741559	A	G	DOM	19/37	10/17	0.07743	1	0.7808
12	rs3741559	A	G	REC	5/51	2/25	0.05458	1	0.8153
12	rs461872	A	G	GENO	17/48/24	8/11/11	2.678	2	0.2621
12	rs461872	A	G	TREND	82/96	27/33	0.02057	1	0.886
12	rs461872	A	G	ALLELIC	82/96	27/33	0.0206	1	0.8859
12	rs461872	A	G	DOM	65/24	19/11	1.017	1	0.3133
12	rs461872	A	G	REC	17/72	8/22	0.7739	1	0.379
12	rs461872	A	G	GENO	10/24/29	6/5/14	2.792	2	0.2475
12	rs461872	A	G	TREND	44/82	17/33	0.01053	1	0.9183
12	rs461872	A	G	ALLELIC	44/82	17/33	0.0134	1	0.9079
12	rs461872	A	G	DOM	34/29	11/14	0.7117	1	0.3989
12	rs461872	A	G	REC	10/53	6/19	0.7946	1	0.3727
12	rs467323	A	G	GENO	3/96/29	2/50/5	5.143	2	0.07641
12	rs467323	A	G	TREND	102/154	54/60	4.796	1	0.02853
12	rs467323	A	G	ALLELIC	102/154	54/60	1.831	1	0.176
12	rs467323	A	G	DOM	99/29	52/5	5.068	1	0.02437
12	rs467323	A	G	REC	3/125	2/55	0.2036	1	0.6519
12	rs2878771	C	G	GENO	15/82/188	7/32/82	0.2479	2	0.8834
12	rs2878771	C	G	TREND	112/458	46/196	0.04032	1	0.8409
12	rs2878771	C	G	ALLELIC	112/458	46/196	0.04452	1	0.8329
12	rs2878771	C	G	DOM	97/188	39/82	0.124	1	0.7247
12	rs2878771	C	G	REC	15/270	7/114	0.04515	1	0.8317
12	rs3736309	G	A	GENO	15/64/165	3/26/72	1.528	2	0.4658
12	rs3736309	G	A	TREND	94/394	32/170	0.9945	1	0.3186
12	rs3736309	G	A	ALLELIC	94/394	32/170	1.12	1	0.2899
12	rs3736309	G	A	DOM	79/165	29/72	0.446	1	0.5043
12	rs3736309	G	A	REC	15/229	3/98	1.458	1	0.2272
12	rs296763	C	G	GENO	12/106/164	6/45/72	0.09998	2	0.9512
12	rs296763	C	G	TREND	130/434	57/189	0.001489	1	0.9692
12	rs296763	C	G	ALLELIC	130/434	57/189	0.001414	1	0.97
12	rs296763	C	G	DOM	118/164	51/72	0.005101	1	0.9431
12	rs296763	C	G	REC	12/270	6/117	0.0782	1	0.7797
12	rs1996315	G	A	GENO	65/137/95	21/50/52	4.201	2	0.1224
12	rs1996315	G	A	TREND	267/327	92/154	3.717	1	0.05385
12	rs1996315	G	A	ALLELIC	267/327	92/154	4.053	1	0.04409
12	rs1996315	G	A	DOM	202/95	71/52	4.048	1	0.04422
12	rs1996315	G	A	REC	65/232	21/102	1.237	1	0.266
14	rs1997532	C	T	GENO	29/110/141	16/46/63	0.6028	2	0.7398
14	rs1997532	C	T	TREND	168/392	78/172	0.1081	1	0.7424
14	rs1997532	C	T	ALLELIC	168/392	78/172	0.1177	1	0.7315
14	rs1997532	C	T	DOM	139/141	62/63	6.35e-005	1	0.9936
14	rs1997532	C	T	REC	29/251	16/109	0.5222	1	0.4699
14	rs1997533	C	G	GENO	21/81/121	13/28/51	2.01	2	0.3661
14	rs1997533	C	G	TREND	123/323	54/130	0.1765	1	0.6744
14	rs1997533	C	G	ALLELIC	123/323	54/130	0.2019	1	0.6532

Table 10. (continued)

14	rs1997533	C	G	DOM	102/121	41/51	0.03626	1	0.849
14	rs1997533	C	G	REC	21/202	13/79	1.503	1	0.2202
14	rs7150049	G	A	GENO	56/106/104	30/45/42	1.02	2	0.6005
14	rs7150049	G	A	TREND	218/314	105/129	0.8481	1	0.3571
14	rs7150049	G	A	ALLELIC	218/314	105/129	1.011	1	0.3147
14	rs7150049	G	A	DOM	162/104	75/42	0.3528	1	0.5525
14	rs7150049	G	A	REC	56/210	30/87	0.9825	1	0.3216
14	rs8011979	T	C	GENO	26/98/132	16/40/51	1.744	2	0.418
14	rs8011979	T	C	TREND	150/362	72/142	1.217	1	0.27
14	rs8011979	T	C	ALLELIC	150/362	72/142	1.344	1	0.2463
14	rs8011979	T	C	DOM	124/132	56/51	0.4589	1	0.4981
14	rs8011979	T	C	REC	26/230	16/91	1.697	1	0.1927
14	rs4903399	T	C	GENO	13/80/173	3/44/70	2.821	2	0.244
14	rs4903399	T	C	TREND	106/426	50/184	0.2082	1	0.6482
14	rs4903399	T	C	ALLELIC	106/426	50/184	0.2086	1	0.6479
14	rs4903399	T	C	DOM	93/173	47/70	0.9505	1	0.3296
14	rs4903399	T	C	REC	13/253	3/114	1.096	1	0.2953
14	rs6574293	A	G	GENO	4/53/207	2/16/88	1.272	2	0.5293
14	rs6574293	A	G	TREND	61/467	20/192	0.6678	1	0.4138
14	rs6574293	A	G	ALLELIC	61/467	20/192	0.6968	1	0.4039
14	rs6574293	A	G	DOM	57/207	18/88	0.9945	1	0.3187
14	rs6574293	A	G	REC	4/260	2/104	0.06548	1	0.798
14	rs10132091	C	T	GENO	72/124/79	30/48/33	0.1094	2	0.9468
14	rs10132091	C	T	TREND	268/282	108/114	0.0003531	1	0.985
14	rs10132091	C	T	ALLELIC	268/282	108/114	0.0003913	1	0.9842
14	rs10132091	C	T	DOM	196/79	78/33	0.03858	1	0.8443
14	rs10132091	C	T	REC	72/203	30/81	0.02906	1	0.8646
14	rs1077430	A	G	GENO	26/94/120	11/43/43	0.9283	2	0.6287
14	rs1077430	A	G	TREND	146/334	65/129	0.581	1	0.4459
14	rs1077430	A	G	ALLELIC	146/334	65/129	0.6128	1	0.4337
14	rs1077430	A	G	DOM	120/120	54/43	0.8893	1	0.3457
14	rs1077430	A	G	REC	26/214	11/86	0.01816	1	0.8928
14	rs745011	C	T	GENO	65/97/101	22/47/41	1.452	2	0.4839
14	rs745011	C	T	TREND	227/299	91/129	0.1683	1	0.6816
14	rs745011	C	T	ALLELIC	227/299	91/129	0.2037	1	0.6517
14	rs745011	C	T	DOM	162/101	69/41	0.04203	1	0.8376
14	rs745011	C	T	REC	65/198	22/88	0.9641	1	0.3262
14	rs1676303	C	T	GENO	9/56/204	1/26/90	2.041	2	0.3604
14	rs1676303	C	T	TREND	74/464	28/206	0.4238	1	0.515
14	rs1676303	C	T	ALLELIC	74/464	28/206	0.4551	1	0.4999
14	rs1676303	C	T	DOM	65/204	27/90	0.05304	1	0.8179
14	rs1676303	C	T	REC	9/260	1/116	2.005	1	0.1568
14	rs2860216	C	T	GENO	26/83/151	13/43/51	3.331	2	0.1891
14	rs2860216	C	T	TREND	135/385	69/145	2.604	1	0.1066
14	rs2860216	C	T	ALLELIC	135/385	69/145	2.981	1	0.08426
14	rs2860216	C	T	DOM	109/151	56/51	3.322	1	0.06837
14	rs2860216	C	T	REC	26/234	13/94	0.3688	1	0.5437
17	rs2619112	A	C	GENO	46/134/85	17/60/37	0.357	2	0.8365
17	rs2619112	A	C	TREND	226/304	94/134	0.1373	1	0.711
17	rs2619112	A	C	ALLELIC	226/304	94/134	0.1306	1	0.7179

Table 10. (continued)

17	rs2619112	A	C	DOM	180/85	77/37	0.005292	1	0.942
17	rs2619112	A	C	REC	46/219	17/97	0.3442	1	0.5574
17	rs7217186	C	T	GENO	19/40/31	5/11/10	0.1475	2	0.9289
17	rs7217186	C	T	TREND	78/102	21/31	0.1302	1	0.7182
17	rs7217186	C	T	ALLELIC	78/102	21/31	0.1434	1	0.7049
17	rs7217186	C	T	DOM	59/31	16/10	0.1424	1	0.7059
17	rs7217186	C	T	REC	19/71	5/21	0.04347	1	0.8349
19	rs2235091	C	T	GENO	28/119/133	16/48/52	1.212	2	0.5456
19	rs2235091	C	T	TREND	175/385	80/152	0.7594	1	0.3835
19	rs2235091	C	T	ALLELIC	175/385	80/152	0.7853	1	0.3755
19	rs2235091	C	T	DOM	147/133	64/52	0.2353	1	0.6276
19	rs2235091	C	T	REC	28/252	16/100	1.195	1	0.2744
19	rs198968	A	G	GENO	14/83/147	7/35/68	0.1908	2	0.909
19	rs198968	A	G	TREND	111/377	49/171	0.01854	1	0.8917
19	rs198968	A	G	ALLELIC	111/377	49/171	0.01941	1	0.8892
19	rs198968	A	G	DOM	97/147	42/68	0.07859	1	0.7792
19	rs198968	A	G	REC	14/230	7/103	0.05323	1	0.8175
High Caries vs. Very High Caries Results									
CHR	SNP	A1	A2	TEST	AFF	UNAFF	CHISQ	DF	P
1	rs9701796	G	C	GENO	19/110/102	9/57/57	0.1968	2	0.9063
1	rs9701796	G	C	TREND	148/314	75/171	0.1963	1	0.6577
1	rs9701796	G	C	ALLELIC	148/314	75/171	0.178	1	0.6731
1	rs9701796	G	C	DOM	129/102	66/57	0.155	1	0.6938
1	rs9701796	G	C	REC	19/212	9/114	0.09086	1	0.7631
5	rs375129	T	C	GENO	45/61/89	25/30/43	0.2161	2	0.8976
5	rs375129	T	C	TREND	151/239	80/116	0.1782	1	0.6729
5	rs375129	T	C	ALLELIC	151/239	80/116	0.2405	1	0.6238
5	rs375129	T	C	DOM	106/89	55/43	0.08193	1	0.7747
5	rs375129	T	C	REC	45/150	25/73	0.2124	1	0.6449
5	rs27565	A	G	GENO	32/69/30	12/33/20	1.773	2	0.412
5	rs27565	A	G	TREND	133/129	57/73	1.737	1	0.1875
5	rs27565	A	G	ALLELIC	133/129	57/73	1.665	1	0.197
5	rs27565	A	G	DOM	101/30	45/20	1.415	1	0.2342
5	rs27565	A	G	REC	32/99	12/53	0.8882	1	0.346
5	rs6862039	A	T	GENO	4/22/174	4/18/87	2.848	2	0.2408
5	rs6862039	A	T	TREND	30/370	26/192	2.763	1	0.09649
5	rs6862039	A	T	ALLELIC	30/370	26/192	3.355	1	0.06699
5	rs6862039	A	T	DOM	26/174	22/87	2.775	1	0.09577
5	rs6862039	A	T	REC	4/196	4/105	0.7799	1	0.3772
7	rs17159702	C	T	GENO	42/104/89	32/56/33	5.516	2	0.06341
7	rs17159702	C	T	TREND	188/282	120/122	5.515	1	0.01885
7	rs17159702	C	T	ALLELIC	188/282	120/122	5.981	1	0.01446
7	rs17159702	C	T	DOM	146/89	88/33	3.984	1	0.04594
7	rs17159702	C	T	REC	42/193	32/89	3.566	1	0.05897
7	rs10246939	C	T	GENO	61/91/52	26/42/40	4.595	2	0.1005
7	rs10246939	C	T	TREND	213/195	94/122	3.717	1	0.05385
7	rs10246939	C	T	ALLELIC	213/195	94/122	4.265	1	0.03891
7	rs10246939	C	T	DOM	152/52	68/40	4.528	1	0.03334
7	rs10246939	C	T	REC	61/143	26/82	1.193	1	0.2748

Table 10. (continued)

7	rs1726866	T	C	GENO	52/101/62	19/54/40	2.895	2	0.2351
7	rs1726866	T	C	TREND	205/225	92/134	2.773	1	0.09586
7	rs1726866	T	C	ALLELIC	205/225	92/134	2.902	1	0.08849
7	rs1726866	T	C	DOM	153/62	73/40	1.488	1	0.2225
7	rs1726866	T	C	REC	52/163	19/94	2.373	1	0.1234
7	rs713598	G	C	GENO	34/103/70	12/48/46	3.27	2	0.195
7	rs713598	G	C	TREND	171/243	72/140	3.233	1	0.07217
7	rs713598	G	C	ALLELIC	171/243	72/140	3.182	1	0.07444
7	rs713598	G	C	DOM	137/70	60/46	2.758	1	0.09676
7	rs713598	G	C	REC	34/173	12/94	1.457	1	0.2274
8	rs11362	G	A	GENO	31/100/55	23/48/31	1.807	2	0.4052
8	rs11362	G	A	TREND	162/210	94/110	0.356	1	0.5507
8	rs11362	G	A	ALLELIC	162/210	94/110	0.3416	1	0.5589
8	rs11362	G	A	DOM	131/55	71/31	0.02127	1	0.8841
8	rs11362	G	A	REC	31/155	23/79	1.496	1	0.2213
8	rs1800972	C	G	GENO	3/37/67	1/21/29	0.6946	2	0.7066
8	rs1800972	C	G	TREND	43/171	23/79	0.2835	1	0.5944
8	rs1800972	C	G	ALLELIC	43/171	23/79	0.2521	1	0.6156
8	rs1800972	C	G	DOM	40/67	22/29	0.4796	1	0.4886
8	rs1800972	C	G	REC	3/104	1/50	0.09946	1	0.7525
12	rs3741559	A	G	GENO	3/14/24	2/8/17	0.1557	2	0.9251
12	rs3741559	A	G	TREND	20/62	12/42	0.07725	1	0.7811
12	rs3741559	A	G	ALLELIC	20/62	12/42	0.08505	1	0.7706
12	rs3741559	A	G	DOM	17/24	10/17	0.1332	1	0.7151
12	rs3741559	A	G	REC	3/38	2/25	0.000195	1	0.9889
12	rs461872	A	G	GENO	9/43/13	8/11/11	7.282	2	0.02622
12	rs461872	A	G	TREND	61/69	27/33	0.07125	1	0.7895
12	rs461872	A	G	ALLELIC	61/69	27/33	0.06106	1	0.8048
12	rs461872	A	G	DOM	52/13	19/11	3.02	1	0.08225
12	rs461872	A	G	REC	9/56	8/22	2.296	1	0.1297
12	rs461872	A	G	GENO	10/23/19	6/5/14	4.403	2	0.1106
12	rs461872	A	G	TREND	43/61	17/33	0.6202	1	0.431
12	rs461872	A	G	ALLELIC	43/61	17/33	0.7662	1	0.3814
12	rs461872	A	G	DOM	33/19	11/14	2.611	1	0.1061
12	rs461872	A	G	REC	10/42	6/19	0.2333	1	0.6291
12	rs467323	A	G	GENO	0/79/21	2/50/5	7.123	2	0.0284
12	rs467323	A	G	TREND	79/121	54/60	5.802	1	0.01601
12	rs467323	A	G	ALLELIC	79/121	54/60	1.841	1	0.1748
12	rs467323	A	G	DOM	79/21	52/5	3.929	1	0.04747
12	rs467323	A	G	REC	0/100	2/55	3.554	1	0.0594
12	rs2878771	C	G	GENO	10/71/158	7/32/82	0.7678	2	0.6812
12	rs2878771	C	G	TREND	91/387	46/196	8.407e-005	1	0.9927
12	rs2878771	C	G	ALLELIC	91/387	46/196	9.009e-005	1	0.9924
12	rs2878771	C	G	DOM	81/158	39/82	0.09959	1	0.7523
12	rs2878771	C	G	REC	10/229	7/114	0.4577	1	0.4987
12	rs3736309	G	A	GENO	10/50/132	3/26/72	0.8106	2	0.6668
12	rs3736309	G	A	TREND	70/314	32/170	0.4781	1	0.4893
12	rs3736309	G	A	ALLELIC	70/314	32/170	0.5249	1	0.4688
12	rs3736309	G	A	DOM	60/132	29/72	0.2014	1	0.6536
12	rs3736309	G	A	REC	10/182	3/98	0.7818	1	0.3766

Table 10. (continued)

12	rs296763	C	G	GENO	12/86/132	6/45/72	0.05032	2	0.9752
12	rs296763	C	G	TREND	110/350	57/189	0.05029	1	0.8226
12	rs296763	C	G	ALLELIC	110/350	57/189	0.04891	1	0.825
12	rs296763	C	G	DOM	98/132	51/72	0.04309	1	0.8355
12	rs296763	C	G	REC	12/218	6/117	0.01907	1	0.8902
12	rs1996315	G	A	GENO	48/103/89	21/50/52	1.03	2	0.5974
12	rs1996315	G	A	TREND	199/281	92/154	0.9945	1	0.3187
12	rs1996315	G	A	ALLELIC	199/281	92/154	1.116	1	0.2907
12	rs1996315	G	A	DOM	151/89	71/52	0.9232	1	0.3366
12	rs1996315	G	A	REC	48/192	21/102	0.4525	1	0.5011
14	rs1997532	C	T	GENO	13/74/124	16/46/63	5.062	2	0.07959
14	rs1997532	C	T	TREND	100/322	78/172	4.192	1	0.04062
14	rs1997532	C	T	ALLELIC	100/322	78/172	4.539	1	0.03313
14	rs1997532	C	T	DOM	87/124	62/63	2.227	1	0.1356
14	rs1997532	C	T	REC	13/198	16/109	4.387	1	0.03621
14	rs1997533	C	G	GENO	12/48/108	13/28/51	3.851	2	0.1458
14	rs1997533	C	G	TREND	72/264	54/130	3.373	1	0.06626
14	rs1997533	C	G	ALLELIC	72/264	54/130	4.061	1	0.04388
14	rs1997533	C	G	DOM	60/108	41/51	1.96	1	0.1615
14	rs1997533	C	G	REC	12/156	13/79	3.34	1	0.06762
14	rs7150049	G	A	GENO	40/83/83	30/45/42	1.769	2	0.4129
14	rs7150049	G	A	TREND	163/249	105/129	1.464	1	0.2264
14	rs7150049	G	A	ALLELIC	163/249	105/129	1.733	1	0.1881
14	rs7150049	G	A	DOM	123/83	75/42	0.6072	1	0.4358
14	rs7150049	G	A	REC	40/166	30/87	1.703	1	0.1919
14	rs8011979	T	C	GENO	10/69/114	16/40/51	9.263	2	0.009742
14	rs8011979	T	C	TREND	89/297	72/142	7.315	1	0.006839
14	rs8011979	T	C	ALLELIC	89/297	72/142	7.861	1	0.005051
14	rs8011979	T	C	DOM	79/114	56/51	3.617	1	0.05719
14	rs8011979	T	C	REC	10/183	16/91	8.304	1	0.003955
14	rs4903399	T	C	GENO	11/80/130	3/44/70	1.13	2	0.5684
14	rs4903399	T	C	TREND	102/340	50/184	0.2707	1	0.6029
14	rs4903399	T	C	ALLELIC	102/340	50/184	0.2565	1	0.6125
14	rs4903399	T	C	DOM	91/130	47/70	0.03202	1	0.858
14	rs4903399	T	C	REC	11/210	3/114	1.122	1	0.2895
14	rs6574293	A	G	GENO	4/34/172	2/16/88	0.06424	2	0.9684
14	rs6574293	A	G	TREND	42/378	20/192	0.04614	1	0.8299
14	rs6574293	A	G	ALLELIC	42/378	20/192	0.05102	1	0.8213
14	rs6574293	A	G	DOM	38/172	18/88	0.05997	1	0.8065
14	rs6574293	A	G	REC	4/206	2/104	0.0001221	1	0.9912
14	rs10132091	C	T	GENO	49/104/65	30/48/33	0.9514	2	0.6214
14	rs10132091	C	T	TREND	202/234	108/114	0.2958	1	0.5866
14	rs10132091	C	T	ALLELIC	202/234	108/114	0.3173	1	0.5732
14	rs10132091	C	T	DOM	153/65	78/33	0.0002649	1	0.987
14	rs10132091	C	T	REC	49/169	30/81	0.8345	1	0.361
14	rs1077430	A	G	GENO	26/77/91	11/43/43	0.647	2	0.7236
14	rs1077430	A	G	TREND	129/259	65/129	0.003606	1	0.9521
14	rs1077430	A	G	ALLELIC	129/259	65/129	0.003866	1	0.9504
14	rs1077430	A	G	DOM	103/91	54/43	0.1729	1	0.6775
14	rs1077430	A	G	REC	26/168	11/86	0.2477	1	0.6187

Table 10. (continued)

14	rs745011	C	T	GENO	54/83/71	22/47/41	1.411	2	0.4938
14	rs745011	C	T	TREND	191/225	91/129	1.03	1	0.3101
14	rs745011	C	T	ALLELIC	191/225	91/129	1.207	1	0.2719
14	rs745011	C	T	DOM	137/71	69/41	0.3106	1	0.5773
14	rs745011	C	T	REC	54/154	22/88	1.406	1	0.2357
14	rs1676303	C	T	GENO	4/43/182	1/26/90	0.9514	2	0.6214
14	rs1676303	C	T	TREND	51/407	28/206	0.1042	1	0.7469
14	rs1676303	C	T	ALLELIC	51/407	28/206	0.1056	1	0.7452
14	rs1676303	C	T	DOM	47/182	27/90	0.3002	1	0.5838
14	rs1676303	C	T	REC	4/225	1/116	0.4326	1	0.5107
14	rs2860216	C	T	GENO	16/67/118	13/43/51	3.772	2	0.1517
14	rs2860216	C	T	TREND	99/303	69/145	3.714	1	0.05396
14	rs2860216	C	T	ALLELIC	99/303	69/145	4.084	1	0.04329
14	rs2860216	C	T	DOM	83/118	56/51	3.439	1	0.06369
14	rs2860216	C	T	REC	16/185	13/94	1.437	1	0.2306
17	rs2619112	A	C	GENO	32/114/76	17/60/37	0.1075	2	0.9477
17	rs2619112	A	C	TREND	178/266	94/134	0.08751	1	0.7674
17	rs2619112	A	C	ALLELIC	178/266	94/134	0.08097	1	0.776
17	rs2619112	A	C	DOM	146/76	77/37	0.1067	1	0.7439
17	rs2619112	A	C	REC	32/190	17/97	0.01499	1	0.9026
17	rs7217186	C	T	GENO	11/32/27	5/11/10	0.1898	2	0.9094
17	rs7217186	C	T	TREND	54/86	21/31	0.04944	1	0.824
17	rs7217186	C	T	ALLELIC	54/86	21/31	0.05237	1	0.819
17	rs7217186	C	T	DOM	43/27	16/10	9.665e-005	1	0.9922
17	rs7217186	C	T	REC	11/59	5/21	0.1688	1	0.6812
19	rs2235091	C	T	GENO	21/92/104	16/48/52	1.326	2	0.5153
19	rs2235091	C	T	TREND	134/300	80/152	0.8707	1	0.3508
19	rs2235091	C	T	ALLELIC	134/300	80/152	0.9021	1	0.3422
19	rs2235091	C	T	DOM	113/104	64/52	0.2915	1	0.5893
19	rs2235091	C	T	REC	21/196	16/100	1.296	1	0.2549
19	rs198968	A	G	GENO	12/73/111	7/35/68	0.9184	2	0.6318
19	rs198968	A	G	TREND	97/295	49/171	0.461	1	0.4972
19	rs198968	A	G	ALLELIC	97/295	49/171	0.4741	1	0.4911
19	rs198968	A	G	DOM	85/111	42/68	0.7804	1	0.377
19	rs198968	A	G	REC	12/184	7/103	0.007038	1	0.9331

Table 11. Full list of questions from survey of diet and oral health habits.

Last Dental Visits
Frequency of Brushing
How Long You Brush
Supplemental Fluoride Use/Frequency
Juice Frequency
Saft Juice Frequency (Water with juice syrup)
Soda Frequency
Diet Soda Frequency
Sports Drink Frequency
Flavored Water Frequency
Alcohol/wine Frequency
Juice amount
Saft amount
Soda Amount
Diet Soda Amount
Sports drink amount
Flavored WaterAmount
Alcohol/Wine amount
Method of Drinking Juice
Method of Drinking Saft
Method of Drinking Soda
Method of Drinking Diet Soday
Method of Drinking Sports Drink
Method of Drinking Flavored Water
Method of Drinking Alcohol
How Juice is Swallowed
How Saft is Swallowed
How Soda is Swallowed
How Diet Soda is Swallowed
How Sports Drink is Swallowed
How Flavored Water is Swallowed
How Alcohol is Swallowed
When Juice is Consumed
When Saft is Consumed
When Soda is Consumed
When Diet Soda is Consumed
When Sports Drink is Consumed
When Flavored Water is Consumed
When Alcohol is Consumed

Table 11. (continued)

Frequency of Eating Citrus Fruits
Frequency of Eating Apples
Frequency of Eating Vinegar Dressings
Frequency of Eating Chips and Dip
Frequency of Eating Acidic Sweets
Frequency of Eating Vitamin C
Frequency of Eating Yogurt
Type of Workouts Done
How Often Working Out
Exercise Drink Used?
What Exercise Drink?
Asthma
Type of Asthma Medicine
Acid Regurgitation?
Frequency of Acid Regurgitation
Time of Regurgitation
Vomiting?
Frequency of Vomiting
Time of Vomiting

Table 12. Full results of logistic regression with diet covariates and created caries phenotypes.

No Caries vs. Low Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	366	1.434	1.206	0.2277
1	rs7526319	1234567	T	DOMDEV	366	1.043	0.1168	0.907
1	rs7526319	1234567	T	GENO_2DF	366	NA	3.818	0.1483
1	rs9701796	18859635	G	ADD	485	1.531	1.779	0.07532
1	rs9701796	18859635	G	DOMDEV	485	0.5629	-2.08	0.0375
1	rs9701796	18859635	G	GENO_2DF	485	NA	4.462	0.1074
4	rs4694075	1234568	T	ADD	388	0.8807	-0.823	0.4105
4	rs4694075	1234568	T	DOMDEV	388	1.08	0.368	0.7128
4	rs4694075	1234568	T	GENO_2DF	388	NA	0.7601	0.6838
4	rs12640848	1234569	A	ADD	378	1.185	1.249	0.2115
4	rs12640848	1234569	A	DOMDEV	378	0.768	-1.165	0.2439
4	rs12640848	1234569	A	GENO_2DF	378	NA	2.493	0.2875
5	rs375129	4952722	T	ADD	419	0.9109	-0.7072	0.4794
5	rs375129	4952722	T	DOMDEV	419	0.8811	-0.6003	0.5483
5	rs375129	4952722	T	GENO_2DF	419	NA	1.083	0.582
5	rs27565	60541764	A	ADD	282	1.081	0.4528	0.6507
5	rs27565	60541764	A	DOMDEV	282	0.6008	-2.093	0.03639
5	rs27565	60541764	A	GENO_2DF	282	NA	4.443	0.1084
5	rs6862039	73503170	A	ADD	425	1.451	1.103	0.2702
5	rs6862039	73503170	A	DOMDEV	425	0.8135	-0.4779	0.6327
5	rs6862039	73503170	A	GENO_2DF	425	NA	1.473	0.4787
7	rs17159702	30919387	C	ADD	471	0.9799	-0.1441	0.8854
7	rs17159702	30919387	C	DOMDEV	471	1.109	0.5253	0.5994
7	rs17159702	30919387	C	GENO_2DF	471	NA	0.276	0.8711
7	rs10246939	141972804	C	ADD	432	1.088	0.5749	0.5654
7	rs10246939	141972804	C	DOMDEV	432	0.677	-1.955	0.05057
7	rs10246939	141972804	C	GENO_2DF	432	NA	3.886	0.1433
7	rs1726866	141972905	T	ADD	459	1.078	0.5195	0.6034
7	rs1726866	141972905	T	DOMDEV	459	0.6312	-2.349	0.01881
7	rs1726866	141972905	T	GENO_2DF	459	NA	5.519	0.06331
7	rs713598	141973545	G	ADD	443	1.107	0.6246	0.5323
7	rs713598	141973545	G	DOMDEV	443	0.5968	-2.411	0.01592
7	rs713598	141973545	G	GENO_2DF	443	NA	5.973	0.05047
8	rs11362	6877877	G	ADD	368	0.8642	-0.8662	0.3864
8	rs11362	6877877	G	DOMDEV	368	0.8961	-0.4954	0.6203
8	rs11362	6877877	G	GENO_2DF	368	NA	1.296	0.523
8	rs1800972	6877901	C	ADD	238	0.7958	-0.6282	0.5299
8	rs1800972	6877901	C	DOMDEV	238	0.9894	-0.02505	0.98
8	rs1800972	6877901	C	GENO_2DF	238	NA	0.9998	0.6066
12	rs3741559	49951193	A	ADD	88	0.9005	-0.2672	0.7893
12	rs3741559	49951193	A	DOMDEV	88	0.6876	-0.6659	0.5055
12	rs3741559	49951193	A	GENO_2DF	88	NA	0.9422	0.6243
12	rs461872	49951423	A	ADD	134	0.9828	-0.06828	0.9456
12	rs461872	49951423	A	DOMDEV	134	1.607	1.276	0.2018
12	rs461872	49951423	A	GENO_2DF	134	NA	1.634	0.4417
12	rs461872	49951423	A	ADD	104	0.7192	-1.201	0.2296
12	rs461872	49951423	A	DOMDEV	104	1.079	0.179	0.8579
12	rs461872	49951423	A	GENO_2DF	104	NA	1.449	0.4845
12	rs467323	49955982	A	ADD	206	0.6948	-0.8285	0.4074
12	rs467323	49955982	A	DOMDEV	206	1.093	0.1905	0.8489

Table 12. (continued)

12	rs467323	49955982	A	GENO_2DF	206	NA	0.9453	0.6233
12	rs2878771	49958610	C	ADD	481	0.8836	-0.6374	0.5238
12	rs2878771	49958610	C	DOMDEV	481	1.503	1.517	0.1293
12	rs2878771	49958610	C	GENO_2DF	481	NA	2.42	0.2981
12	rs3736309	49964271	G	ADD	401	1.859	1.925	0.05426
12	rs3736309	49964271	G	DOMDEV	401	0.5948	-1.368	0.1714
12	rs3736309	49964271	G	GENO_2DF	401	NA	3.762	0.1525
12	rs296763	49969231	C	ADD	466	0.8317	-0.8454	0.3979
12	rs296763	49969231	C	DOMDEV	466	1.171	0.5916	0.5541
12	rs296763	49969231	C	GENO_2DF	466	NA	0.7152	0.6993
12	rs1996315	49970924	G	ADD	491	0.9667	-0.2594	0.7954
12	rs1996315	49970924	G	DOMDEV	491	0.8612	-0.8026	0.4222
12	rs1996315	49970924	G	GENO_2DF	491	NA	0.7709	0.6802
14	rs1997532	21729203	C	ADD	464	1.003	0.02067	0.9835
14	rs1997532	21729203	C	DOMDEV	464	1.004	0.01941	0.9845
14	rs1997532	21729203	C	GENO_2DF	464	NA	0.001551	0.9992
14	rs1997533	21729284	C	ADD	375	1.014	0.07638	0.9391
14	rs1997533	21729284	C	DOMDEV	375	0.9959	-0.016	0.9872
14	rs1997533	21729284	C	GENO_2DF	375	NA	0.006589	0.9967
14	rs7150049	21733607	G	ADD	443	1	-1.283e-015	1
14	rs7150049	21733607	G	DOMDEV	443	0.8604	-0.7492	0.4537
14	rs7150049	21733607	G	GENO_2DF	443	NA	0.5847	0.7465
14	rs8011979	21733619	T	ADD	424	0.9757	-0.1462	0.8838
14	rs8011979	21733619	T	DOMDEV	424	1.051	0.2124	0.8318
14	rs8011979	21733619	T	GENO_2DF	424	NA	0.04771	0.9764
14	rs4903399	76308859	T	ADD	441	0.9009	-0.4766	0.6337
14	rs4903399	76308859	T	DOMDEV	441	0.9726	-0.09947	0.9208
14	rs4903399	76308859	T	GENO_2DF	441	NA	0.5327	0.7662
14	rs6574293	76404257	A	ADD	444	0.681	-1.174	0.2404
14	rs6574293	76404257	A	DOMDEV	444	1.805	1.479	0.1391
14	rs6574293	76404257	A	GENO_2DF	444	NA	2.19	0.3346
14	rs10132091	76404475	C	ADD	455	0.8887	-0.8647	0.3872
14	rs10132091	76404475	C	DOMDEV	455	0.7175	-1.724	0.08469
14	rs10132091	76404475	C	GENO_2DF	455	NA	3.66	0.1604
14	rs1077430	76431334	A	ADD	400	0.8652	-0.8923	0.3722
14	rs1077430	76431334	A	DOMDEV	400	1.11	0.4523	0.651
14	rs1077430	76431334	A	GENO_2DF	400	NA	0.804	0.669
14	rs745011	76450932	C	ADD	440	0.8555	-1.252	0.2105
14	rs745011	76450932	C	DOMDEV	440	0.9575	-0.2156	0.8293
14	rs745011	76450932	C	GENO_2DF	440	NA	1.667	0.4346
14	rs1676303	76525821	C	ADD	456	1.135	0.4457	0.6558
14	rs1676303	76525821	C	DOMDEV	456	0.9809	-0.05434	0.9567
14	rs1676303	76525821	C	GENO_2DF	456	NA	0.3676	0.8321
14	rs2860216	76539665	C	ADD	431	1.299	1.328	0.1843
14	rs2860216	76539665	C	DOMDEV	431	0.6582	-1.619	0.1055
14	rs2860216	76539665	C	GENO_2DF	431	NA	2.823	0.2438
17	rs2619112	4632090	A	ADD	453	1.159	1.032	0.302
17	rs2619112	4632090	A	DOMDEV	453	1.126	0.5956	0.5514
17	rs2619112	4632090	A	GENO_2DF	453	NA	1.888	0.3891
17	rs7217186	4636097	C	ADD	156	1.593	1.82	0.0688
17	rs7217186	4636097	C	DOMDEV	156	0.7828	-0.6959	0.4865
17	rs7217186	4636097	C	GENO_2DF	156	NA	3.314	0.1907

Table 12. (continued)

19	rs2235091	50907215	C	ADD	464	1.05	0.289	0.7726
19	rs2235091	50907215	C	DOMDEV	464	0.9724	-0.1255	0.9001
19	rs2235091	50907215	C	GENO_2DF	464	NA	0.0841	0.9588
19	rs198968	50910072	A	ADD	416	1.097	0.3992	0.6897
19	rs198968	50910072	A	DOMDEV	416	0.8255	-0.6729	0.501
19	rs198968	50910072	A	GENO_2DF	416	NA	0.4597	0.7947
22	rs5997096	12345610	T	ADD	381	1.087	0.5608	0.5749
22	rs5997096	12345610	T	DOMDEV	381	0.8218	-0.9335	0.3506
22	rs5997096	12345610	T	GENO_2DF	381	NA	1.148	0.5631
23	rs946252	123456	T	ADD	384	0.9074	-0.4906	0.6237
23	rs946252	123456	T	DOMDEV	384	1.11	0.3287	0.7424
23	rs946252	123456	T	SEX	384	1.048	0.1952	0.8452
23	rs946252	123456	T	GENO_2DF	384	NA	0.2588	0.8786
No Caries vs. High Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	429	1.379	1.643	0.1004
1	rs7526319	1234567	T	COV1	429	0.975	-0.118	0.9061
1	rs7526319	1234567	T	COV2	429	1.06	0.4615	0.6444
1	rs7526319	1234567	T	COV3	429	1.114	0.5879	0.5566
1	rs7526319	1234567	T	COV4	429	1.003	0.0143	0.9886
1	rs7526319	1234567	T	COV5	429	0.859	-1.587	0.1124
1	rs7526319	1234567	T	COV6	429	0.9744	-0.2858	0.775
1	rs7526319	1234567	T	COV7	429	1.008	0.07049	0.9438
1	rs7526319	1234567	T	COV8	429	1.23	1.386	0.1657
1	rs7526319	1234567	T	COV9	429	0.7945	-1.823	0.06823
1	rs7526319	1234567	T	COV10	429	0.9911	-0.076	0.9394
1	rs7526319	1234567	T	COV11	429	1.776	2.102	0.03555
1	rs7526319	1234567	T	COV12	429	0.8774	-0.7196	0.4717
1	rs7526319	1234567	T	COV13	429	0.935	-0.5483	0.5835
1	rs7526319	1234567	T	COV14	429	1.048	0.3755	0.7073
1	rs9701796	18859635	G	ADD	546	1.24	1.389	0.1647
1	rs9701796	18859635	G	COV1	546	1.004	0.02143	0.9829
1	rs9701796	18859635	G	COV2	546	1.021	0.188	0.8509
1	rs9701796	18859635	G	COV3	546	1.129	0.7866	0.4315
1	rs9701796	18859635	G	COV4	546	0.8677	-0.7571	0.449
1	rs9701796	18859635	G	COV5	546	0.935	-0.8255	0.4091
1	rs9701796	18859635	G	COV6	546	0.9871	-0.1658	0.8683
1	rs9701796	18859635	G	COV7	546	1.05	0.5159	0.6059
1	rs9701796	18859635	G	COV8	546	1.084	0.6532	0.5136
1	rs9701796	18859635	G	COV9	546	0.8249	-1.745	0.08102
1	rs9701796	18859635	G	COV10	546	1.075	0.6671	0.5047
1	rs9701796	18859635	G	COV11	546	1.632	2.24	0.02511
1	rs9701796	18859635	G	COV12	546	0.9497	-0.3447	0.7303
1	rs9701796	18859635	G	COV13	546	0.9014	-1.02	0.3078
1	rs9701796	18859635	G	COV14	546	0.9777	-0.2137	0.8308
4	rs4694075	1234568	T	ADD	440	0.7966	-1.562	0.1183
4	rs4694075	1234568	T	COV1	440	1.043	0.2008	0.8409
4	rs4694075	1234568	T	COV2	440	1.08	0.6119	0.5406
4	rs4694075	1234568	T	COV3	440	1.055	0.2975	0.7661
4	rs4694075	1234568	T	COV4	440	0.9707	-0.1322	0.8948
4	rs4694075	1234568	T	COV5	440	0.9054	-1.067	0.2858

Table 12. (continued)

4	rs4694075	1234568	T	COV6	440	0.9696	-0.3444	0.7306
4	rs4694075	1234568	T	COV7	440	1.015	0.1295	0.897
4	rs4694075	1234568	T	COV8	440	1.143	0.9312	0.3518
4	rs4694075	1234568	T	COV9	440	0.7619	-2.179	0.02933
4	rs4694075	1234568	T	COV10	440	1.078	0.6408	0.5216
4	rs4694075	1234568	T	COV11	440	1.693	2.048	0.04058
4	rs4694075	1234568	T	COV12	440	0.9501	-0.2989	0.765
4	rs4694075	1234568	T	COV13	440	0.9479	-0.4448	0.6565
4	rs4694075	1234568	T	COV14	440	1.045	0.3662	0.7142
4	rs12640848	1234569	A	ADD	430	1.24	1.627	0.1038
4	rs12640848	1234569	A	COV1	430	1.007	0.03481	0.9722
4	rs12640848	1234569	A	COV2	430	0.9976	-0.01973	0.9843
4	rs12640848	1234569	A	COV3	430	1.055	0.2998	0.7643
4	rs12640848	1234569	A	COV4	430	0.9457	-0.2504	0.8023
4	rs12640848	1234569	A	COV5	430	0.8834	-1.339	0.1804
4	rs12640848	1234569	A	COV6	430	1.029	0.3098	0.7567
4	rs12640848	1234569	A	COV7	430	1.003	0.02523	0.9799
4	rs12640848	1234569	A	COV8	430	1.115	0.7817	0.4344
4	rs12640848	1234569	A	COV9	430	0.843	-1.389	0.1649
4	rs12640848	1234569	A	COV10	430	0.9965	-0.02976	0.9763
4	rs12640848	1234569	A	COV11	430	1.779	2.112	0.03471
4	rs12640848	1234569	A	COV12	430	0.9295	-0.4274	0.6691
4	rs12640848	1234569	A	COV13	430	0.9213	-0.6788	0.4973
4	rs12640848	1234569	A	COV14	430	1.028	0.2243	0.8225
5	rs375129	4952722	T	ADD	467	0.9243	-0.6345	0.5257
5	rs375129	4952722	T	COV1	467	0.9329	-0.3535	0.7237
5	rs375129	4952722	T	COV2	467	0.9978	-0.01887	0.9849
5	rs375129	4952722	T	COV3	467	1.173	0.9636	0.3352
5	rs375129	4952722	T	COV4	467	0.9632	-0.1839	0.8541
5	rs375129	4952722	T	COV5	467	0.9156	-1.022	0.3068
5	rs375129	4952722	T	COV6	467	1.001	0.01785	0.9858
5	rs375129	4952722	T	COV7	467	1.063	0.5922	0.5537
5	rs375129	4952722	T	COV8	467	1.082	0.6083	0.543
5	rs375129	4952722	T	COV9	467	0.8183	-1.721	0.08517
5	rs375129	4952722	T	COV10	467	1.085	0.7106	0.4774
5	rs375129	4952722	T	COV11	467	1.534	1.866	0.06199
5	rs375129	4952722	T	COV12	467	1.035	0.2203	0.8257
5	rs375129	4952722	T	COV13	467	0.874	-1.247	0.2123
5	rs375129	4952722	T	COV14	467	0.9176	-0.7653	0.4441
5	rs27565	60541764	A	ADD	318	1.041	0.2262	0.821
5	rs27565	60541764	A	COV1	318	1.126	0.484	0.6284
5	rs27565	60541764	A	COV2	318	1.08	0.5411	0.5884
5	rs27565	60541764	A	COV3	318	1.062	0.3009	0.7635
5	rs27565	60541764	A	COV4	318	1.268	0.9243	0.3554
5	rs27565	60541764	A	COV5	318	0.9528	-0.4577	0.6472
5	rs27565	60541764	A	COV6	318	0.9351	-0.674	0.5003
5	rs27565	60541764	A	COV7	318	0.9805	-0.1645	0.8693
5	rs27565	60541764	A	COV8	318	1.152	0.8852	0.376
5	rs27565	60541764	A	COV9	318	0.6898	-2.569	0.01021
5	rs27565	60541764	A	COV10	318	1.097	0.673	0.501
5	rs27565	60541764	A	COV11	318	1.757	1.918	0.05509
5	rs27565	60541764	A	COV12	318	1.065	0.3439	0.7309

Table 12. (continued)

5	rs27565	60541764	A	COV13	318	0.8437	-1.326	0.1849
5	rs27565	60541764	A	COV14	318	1.038	0.2735	0.7845
5	rs6862039	73503170	A	ADD	480	1.163	0.6468	0.5177
5	rs6862039	73503170	A	COV1	480	0.8505	-0.8182	0.4132
5	rs6862039	73503170	A	COV2	480	1.056	0.4646	0.6422
5	rs6862039	73503170	A	COV3	480	1.241	1.265	0.2058
5	rs6862039	73503170	A	COV4	480	0.8639	-0.7077	0.4791
5	rs6862039	73503170	A	COV5	480	0.8833	-1.406	0.1598
5	rs6862039	73503170	A	COV6	480	0.9344	-0.7951	0.4265
5	rs6862039	73503170	A	COV7	480	1.035	0.3454	0.7298
5	rs6862039	73503170	A	COV8	480	1.139	0.9751	0.3295
5	rs6862039	73503170	A	COV9	480	0.777	-2.094	0.03626
5	rs6862039	73503170	A	COV10	480	1.17	1.298	0.1942
5	rs6862039	73503170	A	COV11	480	1.472	1.567	0.117
5	rs6862039	73503170	A	COV12	480	1.142	0.8107	0.4175
5	rs6862039	73503170	A	COV13	480	0.8321	-1.71	0.08735
5	rs6862039	73503170	A	COV14	480	0.9052	-0.8669	0.386
7	rs17159702	30919387	C	ADD	545	1.166	1.188	0.2349
7	rs17159702	30919387	C	COV1	545	0.9412	-0.3267	0.7439
7	rs17159702	30919387	C	COV2	545	0.9679	-0.296	0.7673
7	rs17159702	30919387	C	COV3	545	1.123	0.7223	0.4701
7	rs17159702	30919387	C	COV4	545	0.9759	-0.1265	0.8993
7	rs17159702	30919387	C	COV5	545	0.8495	-1.988	0.04677
7	rs17159702	30919387	C	COV6	545	1.012	0.148	0.8823
7	rs17159702	30919387	C	COV7	545	1.029	0.2988	0.7651
7	rs17159702	30919387	C	COV8	545	1.159	1.167	0.2433
7	rs17159702	30919387	C	COV9	545	0.866	-1.31	0.1902
7	rs17159702	30919387	C	COV10	545	1.042	0.3882	0.6979
7	rs17159702	30919387	C	COV11	545	1.648	2.167	0.0302
7	rs17159702	30919387	C	COV12	545	1.001	0.005404	0.9957
7	rs17159702	30919387	C	COV13	545	0.8514	-1.527	0.1266
7	rs17159702	30919387	C	COV14	545	0.9557	-0.4249	0.6709
7	rs10246939	141972804	C	ADD	489	1.245	1.623	0.1046
7	rs10246939	141972804	C	COV1	489	1.102	0.4995	0.6174
7	rs10246939	141972804	C	COV2	489	1.045	0.3909	0.6959
7	rs10246939	141972804	C	COV3	489	1.107	0.6311	0.528
7	rs10246939	141972804	C	COV4	489	0.8901	-0.592	0.5538
7	rs10246939	141972804	C	COV5	489	0.9337	-0.8048	0.4209
7	rs10246939	141972804	C	COV6	489	0.9853	-0.1815	0.856
7	rs10246939	141972804	C	COV7	489	1.041	0.4026	0.6873
7	rs10246939	141972804	C	COV8	489	1.132	0.9664	0.3338
7	rs10246939	141972804	C	COV9	489	0.7958	-1.975	0.04831
7	rs10246939	141972804	C	COV10	489	1.087	0.7393	0.4598
7	rs10246939	141972804	C	COV11	489	1.443	1.608	0.1077
7	rs10246939	141972804	C	COV12	489	1.022	0.1402	0.8885
7	rs10246939	141972804	C	COV13	489	0.9032	-0.938	0.3482
7	rs10246939	141972804	C	COV14	489	0.9979	-0.01857	0.9852
7	rs1726866	141972905	T	ADD	515	1.116	0.8036	0.4216
7	rs1726866	141972905	T	COV1	515	1.022	0.1173	0.9066
7	rs1726866	141972905	T	COV2	515	1.057	0.4914	0.6232
7	rs1726866	141972905	T	COV3	515	1.095	0.5662	0.5713
7	rs1726866	141972905	T	COV4	515	0.8852	-0.6303	0.5285

Table 12. (continued)

7	rs1726866	141972905	T	COV5	515	0.9551	-0.5503	0.5821
7	rs1726866	141972905	T	COV6	515	0.9907	-0.1175	0.9065
7	rs1726866	141972905	T	COV7	515	1.073	0.7346	0.4626
7	rs1726866	141972905	T	COV8	515	1.066	0.513	0.608
7	rs1726866	141972905	T	COV9	515	0.8065	-1.912	0.05585
7	rs1726866	141972905	T	COV10	515	1.059	0.5212	0.6022
7	rs1726866	141972905	T	COV11	515	1.651	2.193	0.02833
7	rs1726866	141972905	T	COV12	515	0.9929	-0.04641	0.963
7	rs1726866	141972905	T	COV13	515	0.9274	-0.7209	0.471
7	rs1726866	141972905	T	COV14	515	0.993	-0.065	0.9482
7	rs713598	141973545	G	ADD	491	1.153	0.9718	0.3311
7	rs713598	141973545	G	COV1	491	1.065	0.3274	0.7434
7	rs713598	141973545	G	COV2	491	1.041	0.3451	0.73
7	rs713598	141973545	G	COV3	491	1.083	0.4882	0.6254
7	rs713598	141973545	G	COV4	491	0.8568	-0.7853	0.4323
7	rs713598	141973545	G	COV5	491	0.9153	-1.019	0.3084
7	rs713598	141973545	G	COV6	491	1.008	0.1018	0.919
7	rs713598	141973545	G	COV7	491	0.9855	-0.143	0.8863
7	rs713598	141973545	G	COV8	491	1.202	1.391	0.1641
7	rs713598	141973545	G	COV9	491	0.7683	-2.226	0.026
7	rs713598	141973545	G	COV10	491	1.108	0.9134	0.361
7	rs713598	141973545	G	COV11	491	1.613	2.093	0.03636
7	rs713598	141973545	G	COV12	491	0.9652	-0.2177	0.8277
7	rs713598	141973545	G	COV13	491	0.9667	-0.3074	0.7585
7	rs713598	141973545	G	COV14	491	0.9803	-0.1792	0.8578
8	rs11362	6877877	G	ADD	435	1.064	0.3953	0.6926
8	rs11362	6877877	G	COV1	435	0.837	-0.8408	0.4004
8	rs11362	6877877	G	COV2	435	1.029	0.2315	0.8169
8	rs11362	6877877	G	COV3	435	1.337	1.677	0.09355
8	rs11362	6877877	G	COV4	435	0.6482	-1.974	0.04841
8	rs11362	6877877	G	COV5	435	0.9947	-0.058	0.9538
8	rs11362	6877877	G	COV6	435	0.9921	-0.09142	0.9272
8	rs11362	6877877	G	COV7	435	0.9575	-0.4086	0.6828
8	rs11362	6877877	G	COV8	435	1.155	1.033	0.3014
8	rs11362	6877877	G	COV9	435	0.8831	-0.9722	0.331
8	rs11362	6877877	G	COV10	435	0.9467	-0.4612	0.6447
8	rs11362	6877877	G	COV11	435	1.701	2.025	0.04283
8	rs11362	6877877	G	COV12	435	0.9434	-0.3444	0.7305
8	rs11362	6877877	G	COV13	435	0.8442	-1.43	0.1526
8	rs11362	6877877	G	COV14	435	0.9965	-0.02961	0.9764
8	rs1800972	6877901	C	ADD	256	0.8234	-0.8084	0.4189
8	rs1800972	6877901	C	COV1	256	1.22	0.7347	0.4625
8	rs1800972	6877901	C	COV2	256	1.043	0.2633	0.7923
8	rs1800972	6877901	C	COV3	256	1.138	0.5868	0.5573
8	rs1800972	6877901	C	COV4	256	1.226	0.7272	0.4671
8	rs1800972	6877901	C	COV5	256	0.8351	-1.55	0.1211
8	rs1800972	6877901	C	COV6	256	0.9396	-0.5526	0.5805
8	rs1800972	6877901	C	COV7	256	0.9148	-0.6666	0.5051
8	rs1800972	6877901	C	COV8	256	1.087	0.4607	0.645
8	rs1800972	6877901	C	COV9	256	0.7738	-1.659	0.09707
8	rs1800972	6877901	C	COV10	256	1.044	0.2883	0.7731
8	rs1800972	6877901	C	COV11	256	1.558	1.373	0.1697

Table 12. (continued)

8	rs1800972	6877901	C	COV12	256	1.167	0.6878	0.4916
8	rs1800972	6877901	C	COV13	256	0.9199	-0.5674	0.5705
8	rs1800972	6877901	C	COV14	256	1.079	0.4868	0.6264
12	rs3741559	49951193	A	ADD	100	1.039	0.09937	0.9208
12	rs3741559	49951193	A	COV1	100	1.302	0.5449	0.5858
12	rs3741559	49951193	A	COV2	100	1.029	0.09837	0.9216
12	rs3741559	49951193	A	COV3	100	1.59	1.033	0.3014
12	rs3741559	49951193	A	COV4	100	1.291	0.5059	0.6129
12	rs3741559	49951193	A	COV5	100	0.9933	-0.02938	0.9766
12	rs3741559	49951193	A	COV6	100	1.05	0.206	0.8368
12	rs3741559	49951193	A	COV7	100	0.7671	-1.089	0.2761
12	rs3741559	49951193	A	COV8	100	0.8996	-0.3139	0.7536
12	rs3741559	49951193	A	COV9	100	0.9176	-0.2994	0.7647
12	rs3741559	49951193	A	COV10	100	0.6083	-1.882	0.0599
12	rs3741559	49951193	A	COV11	100	2.822	1.756	0.07917
12	rs3741559	49951193	A	COV12	100	0.577	-1.251	0.2111
12	rs3741559	49951193	A	COV13	100	0.9885	-0.03521	0.9719
12	rs3741559	49951193	A	COV14	100	0.9727	-0.09631	0.9233
12	rs461872	49951423	A	ADD	140	0.978	-0.07544	0.9399
12	rs461872	49951423	A	COV1	140	0.9622	-0.09646	0.9232
12	rs461872	49951423	A	COV2	140	1.031	0.1255	0.9001
12	rs461872	49951423	A	COV3	140	0.488	-2.039	0.04141
12	rs461872	49951423	A	COV4	140	1.391	0.7587	0.448
12	rs461872	49951423	A	COV5	140	0.9437	-0.3324	0.7396
12	rs461872	49951423	A	COV6	140	1.111	0.61	0.5418
12	rs461872	49951423	A	COV7	140	1.06	0.2741	0.784
12	rs461872	49951423	A	COV8	140	1.064	0.1997	0.8417
12	rs461872	49951423	A	COV9	140	1.03	0.11	0.9124
12	rs461872	49951423	A	COV10	140	0.8537	-0.6819	0.4953
12	rs461872	49951423	A	COV11	140	1.365	0.6428	0.5203
12	rs461872	49951423	A	COV12	140	1.114	0.3179	0.7506
12	rs461872	49951423	A	COV13	140	1.072	0.3371	0.7361
12	rs461872	49951423	A	COV14	140	1.016	0.06958	0.9445
12	rs461872	49951423	A	ADD	118	0.7504	-1.007	0.3138
12	rs461872	49951423	A	COV1	118	1.203	0.431	0.6665
12	rs461872	49951423	A	COV2	118	1.064	0.2286	0.8192
12	rs461872	49951423	A	COV3	118	0.7981	-0.5863	0.5577
12	rs461872	49951423	A	COV4	118	0.7942	-0.5052	0.6134
12	rs461872	49951423	A	COV5	118	1.157	0.7902	0.4294
12	rs461872	49951423	A	COV6	118	0.9437	-0.2994	0.7646
12	rs461872	49951423	A	COV7	118	0.9008	-0.458	0.647
12	rs461872	49951423	A	COV8	118	1.377	0.9748	0.3297
12	rs461872	49951423	A	COV9	118	1.523	1.322	0.1861
12	rs461872	49951423	A	COV10	118	0.5745	-1.803	0.07132
12	rs461872	49951423	A	COV11	118	2.784	1.624	0.1044
12	rs461872	49951423	A	COV12	118	1.082	0.1938	0.8463
12	rs461872	49951423	A	COV13	118	0.9063	-0.4286	0.6682
12	rs461872	49951423	A	COV14	118	0.8297	-0.7583	0.4482
12	rs467323	49955982	A	ADD	235	0.9405	-0.1737	0.8621
12	rs467323	49955982	A	COV1	235	0.8807	-0.4153	0.6779
12	rs467323	49955982	A	COV2	235	0.9612	-0.2246	0.8223
12	rs467323	49955982	A	COV3	235	1.208	0.7458	0.4558

Table 12. (continued)

12	rs467323	49955982	A	COV4	235	0.4804	-2.38	0.0173
12	rs467323	49955982	A	COV5	235	0.8407	-1.294	0.1955
12	rs467323	49955982	A	COV6	235	1.054	0.3941	0.6935
12	rs467323	49955982	A	COV7	235	1.074	0.4725	0.6366
12	rs467323	49955982	A	COV8	235	1.064	0.3181	0.7504
12	rs467323	49955982	A	COV9	235	0.8803	-0.7053	0.4806
12	rs467323	49955982	A	COV10	235	1.013	0.07837	0.9375
12	rs467323	49955982	A	COV11	235	2.706	2.304	0.02122
12	rs467323	49955982	A	COV12	235	0.8247	-0.6858	0.4928
12	rs467323	49955982	A	COV13	235	1.126	0.6942	0.4876
12	rs467323	49955982	A	COV14	235	0.9229	-0.4675	0.6402
12	rs2878771	49958610	C	ADD	556	1.015	0.09235	0.9264
12	rs2878771	49958610	C	COV1	556	0.9557	-0.2483	0.8039
12	rs2878771	49958610	C	COV2	556	1.009	0.08021	0.9361
12	rs2878771	49958610	C	COV3	556	1.154	0.9275	0.3536
12	rs2878771	49958610	C	COV4	556	0.8875	-0.6342	0.5259
12	rs2878771	49958610	C	COV5	556	0.8984	-1.326	0.1847
12	rs2878771	49958610	C	COV6	556	0.98	-0.2558	0.7981
12	rs2878771	49958610	C	COV7	556	1.015	0.1623	0.8711
12	rs2878771	49958610	C	COV8	556	1.106	0.8201	0.4122
12	rs2878771	49958610	C	COV9	556	0.855	-1.446	0.1482
12	rs2878771	49958610	C	COV10	556	1.039	0.3681	0.7128
12	rs2878771	49958610	C	COV11	556	1.694	2.362	0.01817
12	rs2878771	49958610	C	COV12	556	0.9791	-0.1385	0.8898
12	rs2878771	49958610	C	COV13	556	0.9282	-0.7296	0.4656
12	rs2878771	49958610	C	COV14	556	0.9369	-0.6267	0.5309
12	rs3736309	49964271	G	ADD	450	1.257	1.195	0.2322
12	rs3736309	49964271	G	COV1	450	0.8857	-0.5943	0.5523
12	rs3736309	49964271	G	COV2	450	0.9905	-0.07909	0.937
12	rs3736309	49964271	G	COV3	450	1.074	0.4195	0.6749
12	rs3736309	49964271	G	COV4	450	1.001	0.006566	0.9948
12	rs3736309	49964271	G	COV5	450	0.9185	-0.9568	0.3387
12	rs3736309	49964271	G	COV6	450	0.9939	-0.07139	0.9431
12	rs3736309	49964271	G	COV7	450	1.034	0.3103	0.7564
12	rs3736309	49964271	G	COV8	450	1.21	1.352	0.1765
12	rs3736309	49964271	G	COV9	450	0.8323	-1.485	0.1375
12	rs3736309	49964271	G	COV10	450	0.9936	-0.05425	0.9567
12	rs3736309	49964271	G	COV11	450	1.564	1.741	0.08162
12	rs3736309	49964271	G	COV12	450	0.944	-0.3349	0.7377
12	rs3736309	49964271	G	COV13	450	0.9627	-0.3339	0.7384
12	rs3736309	49964271	G	COV14	450	0.9758	-0.2103	0.8334
12	rs296763	49969231	C	ADD	537	0.9855	-0.09314	0.9258
12	rs296763	49969231	C	COV1	537	1.018	0.09299	0.9259
12	rs296763	49969231	C	COV2	537	1.007	0.05887	0.9531
12	rs296763	49969231	C	COV3	537	1.165	0.9699	0.3321
12	rs296763	49969231	C	COV4	537	0.931	-0.3748	0.7078
12	rs296763	49969231	C	COV5	537	0.8921	-1.38	0.1675
12	rs296763	49969231	C	COV6	537	0.996	-0.04989	0.9602
12	rs296763	49969231	C	COV7	537	1.033	0.3379	0.7354
12	rs296763	49969231	C	COV8	537	1.078	0.6012	0.5477
12	rs296763	49969231	C	COV9	537	0.8059	-1.925	0.05425
12	rs296763	49969231	C	COV10	537	1.018	0.168	0.8666

Table 12. (continued)

12	rs296763	49969231	C	COV11	537	1.769	2.477	0.01323
12	rs296763	49969231	C	COV12	537	0.9441	-0.3824	0.7021
12	rs296763	49969231	C	COV13	537	0.947	-0.5185	0.6041
12	rs296763	49969231	C	COV14	537	0.9828	-0.1611	0.872
12	rs1996315	49970924	G	ADD	557	0.7906	-1.882	0.05986
12	rs1996315	49970924	G	COV1	557	0.9336	-0.3758	0.707
12	rs1996315	49970924	G	COV2	557	1.005	0.05056	0.9597
12	rs1996315	49970924	G	COV3	557	1.106	0.653	0.5138
12	rs1996315	49970924	G	COV4	557	0.9089	-0.5136	0.6076
12	rs1996315	49970924	G	COV5	557	0.8824	-1.537	0.1243
12	rs1996315	49970924	G	COV6	557	0.9601	-0.5174	0.6049
12	rs1996315	49970924	G	COV7	557	1.029	0.3095	0.757
12	rs1996315	49970924	G	COV8	557	1.13	0.9878	0.3233
12	rs1996315	49970924	G	COV9	557	0.8558	-1.404	0.1602
12	rs1996315	49970924	G	COV10	557	1.087	0.7828	0.4338
12	rs1996315	49970924	G	COV11	557	1.603	2.16	0.0308
12	rs1996315	49970924	G	COV12	557	0.9803	-0.134	0.8934
12	rs1996315	49970924	G	COV13	557	0.8998	-1.04	0.2984
12	rs1996315	49970924	G	COV14	557	0.9732	-0.2595	0.7952
14	rs1997532	21729203	C	ADD	520	0.8611	-1.05	0.2937
14	rs1997532	21729203	C	COV1	520	1.04	0.2052	0.8374
14	rs1997532	21729203	C	COV2	520	1.03	0.261	0.7941
14	rs1997532	21729203	C	COV3	520	1.105	0.6278	0.5301
14	rs1997532	21729203	C	COV4	520	0.8719	-0.7119	0.4765
14	rs1997532	21729203	C	COV5	520	0.9163	-1.054	0.2921
14	rs1997532	21729203	C	COV6	520	0.9587	-0.5245	0.5999
14	rs1997532	21729203	C	COV7	520	1.019	0.1945	0.8458
14	rs1997532	21729203	C	COV8	520	1.125	0.9237	0.3556
14	rs1997532	21729203	C	COV9	520	0.8185	-1.776	0.0758
14	rs1997532	21729203	C	COV10	520	1.084	0.7453	0.4561
14	rs1997532	21729203	C	COV11	520	1.566	2.002	0.04527
14	rs1997532	21729203	C	COV12	520	0.9958	-0.02737	0.9782
14	rs1997532	21729203	C	COV13	520	0.9202	-0.7904	0.4293
14	rs1997532	21729203	C	COV14	520	0.9984	-0.0149	0.9881
14	rs1997533	21729284	C	ADD	412	0.8733	-0.86	0.3898
14	rs1997533	21729284	C	COV1	412	0.9471	-0.2569	0.7973
14	rs1997533	21729284	C	COV2	412	1.079	0.624	0.5326
14	rs1997533	21729284	C	COV3	412	1.011	0.05846	0.9534
14	rs1997533	21729284	C	COV4	412	0.9685	-0.1493	0.8813
14	rs1997533	21729284	C	COV5	412	0.894	-1.224	0.2208
14	rs1997533	21729284	C	COV6	412	0.982	-0.2091	0.8343
14	rs1997533	21729284	C	COV7	412	1.028	0.2629	0.7926
14	rs1997533	21729284	C	COV8	412	1.021	0.1546	0.8771
14	rs1997533	21729284	C	COV9	412	0.7746	-2.028	0.04258
14	rs1997533	21729284	C	COV10	412	1.076	0.6078	0.5433
14	rs1997533	21729284	C	COV11	412	1.565	1.809	0.07039
14	rs1997533	21729284	C	COV12	412	0.9679	-0.2025	0.8395
14	rs1997533	21729284	C	COV13	412	0.968	-0.2844	0.7761
14	rs1997533	21729284	C	COV14	412	0.9882	-0.1006	0.9199
14	rs7150049	21733607	G	ADD	500	0.9763	-0.1863	0.8522
14	rs7150049	21733607	G	COV1	500	0.9884	-0.0607	0.9516
14	rs7150049	21733607	G	COV2	500	1.015	0.1354	0.8923

Table 12. (continued)

14	rs7150049	21733607	G	COV3	500	1.193	1.098	0.2721
14	rs7150049	21733607	G	COV4	500	0.901	-0.5299	0.5962
14	rs7150049	21733607	G	COV5	500	0.8874	-1.406	0.1597
14	rs7150049	21733607	G	COV6	500	0.9441	-0.7132	0.4757
14	rs7150049	21733607	G	COV7	500	1.005	0.04612	0.9632
14	rs7150049	21733607	G	COV8	500	1.144	1.051	0.293
14	rs7150049	21733607	G	COV9	500	0.8584	-1.345	0.1786
14	rs7150049	21733607	G	COV10	500	1.002	0.02076	0.9834
14	rs7150049	21733607	G	COV11	500	1.562	1.991	0.04653
14	rs7150049	21733607	G	COV12	500	0.9508	-0.3291	0.7421
14	rs7150049	21733607	G	COV13	500	0.9116	-0.8559	0.3921
14	rs7150049	21733607	G	COV14	500	1.002	0.02093	0.9833
14	rs8011979	21733619	T	ADD	468	0.8851	-0.8125	0.4165
14	rs8011979	21733619	T	COV1	468	1.081	0.3912	0.6956
14	rs8011979	21733619	T	COV2	468	1.034	0.288	0.7733
14	rs8011979	21733619	T	COV3	468	1.135	0.7622	0.4459
14	rs8011979	21733619	T	COV4	468	0.867	-0.7101	0.4777
14	rs8011979	21733619	T	COV5	468	0.904	-1.166	0.2437
14	rs8011979	21733619	T	COV6	468	0.956	-0.5338	0.5935
14	rs8011979	21733619	T	COV7	468	0.9432	-0.5838	0.5593
14	rs8011979	21733619	T	COV8	468	1.147	0.9926	0.3209
14	rs8011979	21733619	T	COV9	468	0.8015	-1.864	0.06236
14	rs8011979	21733619	T	COV10	468	1.043	0.3686	0.7124
14	rs8011979	21733619	T	COV11	468	1.861	2.515	0.01191
14	rs8011979	21733619	T	COV12	468	1.052	0.3218	0.7476
14	rs8011979	21733619	T	COV13	468	0.8609	-1.384	0.1665
14	rs8011979	21733619	T	COV14	468	0.9921	-0.07027	0.944
14	rs4903399	76308859	T	ADD	513	1.058	0.341	0.7331
14	rs4903399	76308859	T	COV1	513	1.069	0.3494	0.7268
14	rs4903399	76308859	T	COV2	513	0.9838	-0.1435	0.8859
14	rs4903399	76308859	T	COV3	513	1.044	0.2621	0.7932
14	rs4903399	76308859	T	COV4	513	0.9979	-0.0104	0.9917
14	rs4903399	76308859	T	COV5	513	0.9121	-1.087	0.2769
14	rs4903399	76308859	T	COV6	513	1.003	0.04019	0.9679
14	rs4903399	76308859	T	COV7	513	1.008	0.08248	0.9343
14	rs4903399	76308859	T	COV8	513	1.124	0.905	0.3654
14	rs4903399	76308859	T	COV9	513	0.8025	-1.953	0.05084
14	rs4903399	76308859	T	COV10	513	1.046	0.4181	0.6758
14	rs4903399	76308859	T	COV11	513	1.823	2.525	0.01158
14	rs4903399	76308859	T	COV12	513	0.995	-0.03318	0.9735
14	rs4903399	76308859	T	COV13	513	0.9111	-0.8895	0.3738
14	rs4903399	76308859	T	COV14	513	0.9915	-0.07772	0.9381
14	rs6574293	76404257	A	ADD	496	0.8455	-0.8279	0.4077
14	rs6574293	76404257	A	COV1	496	0.9243	-0.4104	0.6815
14	rs6574293	76404257	A	COV2	496	1.084	0.714	0.4752
14	rs6574293	76404257	A	COV3	496	1.021	0.1291	0.8972
14	rs6574293	76404257	A	COV4	496	0.9153	-0.4523	0.6511
14	rs6574293	76404257	A	COV5	496	0.9284	-0.8716	0.3834
14	rs6574293	76404257	A	COV6	496	1.017	0.2057	0.837
14	rs6574293	76404257	A	COV7	496	1.062	0.6146	0.5388
14	rs6574293	76404257	A	COV8	496	1.151	1.063	0.2877
14	rs6574293	76404257	A	COV9	496	0.8427	-1.49	0.1362

Table 12. (continued)

14	rs6574293	76404257	A	COV10	496	1.035	0.3115	0.7554
14	rs6574293	76404257	A	COV11	496	1.389	1.46	0.1443
14	rs6574293	76404257	A	COV12	496	1.07	0.4356	0.6631
14	rs6574293	76404257	A	COV13	496	0.8687	-1.299	0.194
14	rs6574293	76404257	A	COV14	496	1.066	0.5866	0.5575
14	rs10132091	76404475	C	ADD	509	0.8407	-1.296	0.1949
14	rs10132091	76404475	C	COV1	509	0.903	-0.5308	0.5956
14	rs10132091	76404475	C	COV2	509	1.041	0.3541	0.7232
14	rs10132091	76404475	C	COV3	509	1.246	1.328	0.184
14	rs10132091	76404475	C	COV4	509	0.8488	-0.8179	0.4134
14	rs10132091	76404475	C	COV5	509	0.9335	-0.8067	0.4199
14	rs10132091	76404475	C	COV6	509	0.941	-0.7448	0.4564
14	rs10132091	76404475	C	COV7	509	0.9708	-0.3015	0.763
14	rs10132091	76404475	C	COV8	509	1.186	1.298	0.1942
14	rs10132091	76404475	C	COV9	509	0.8543	-1.347	0.1779
14	rs10132091	76404475	C	COV10	509	1.029	0.2518	0.8012
14	rs10132091	76404475	C	COV11	509	1.725	2.374	0.01761
14	rs10132091	76404475	C	COV12	509	0.9539	-0.3072	0.7587
14	rs10132091	76404475	C	COV13	509	0.9021	-0.9729	0.3306
14	rs10132091	76404475	C	COV14	509	0.8979	-0.9862	0.324
14	rs1077430	76431334	A	ADD	451	1.033	0.2174	0.8279
14	rs1077430	76431334	A	COV1	451	0.948	-0.2627	0.7928
14	rs1077430	76431334	A	COV2	451	1.096	0.7615	0.4464
14	rs1077430	76431334	A	COV3	451	1.148	0.7967	0.4257
14	rs1077430	76431334	A	COV4	451	0.92	-0.3962	0.692
14	rs1077430	76431334	A	COV5	451	0.8958	-1.225	0.2206
14	rs1077430	76431334	A	COV6	451	0.9369	-0.7507	0.4529
14	rs1077430	76431334	A	COV7	451	0.9923	-0.0746	0.9405
14	rs1077430	76431334	A	COV8	451	1.123	0.8927	0.372
14	rs1077430	76431334	A	COV9	451	0.8021	-1.824	0.06821
14	rs1077430	76431334	A	COV10	451	1.063	0.5165	0.6055
14	rs1077430	76431334	A	COV11	451	1.516	1.718	0.08575
14	rs1077430	76431334	A	COV12	451	1.071	0.4173	0.6765
14	rs1077430	76431334	A	COV13	451	0.8829	-1.085	0.2781
14	rs1077430	76431334	A	COV14	451	0.9669	-0.2904	0.7715
14	rs745011	76450932	C	ADD	495	0.8719	-1.099	0.2719
14	rs745011	76450932	C	COV1	495	0.9172	-0.4487	0.6536
14	rs745011	76450932	C	COV2	495	0.9924	-0.06577	0.9476
14	rs745011	76450932	C	COV3	495	1.226	1.225	0.2205
14	rs745011	76450932	C	COV4	495	0.7808	-1.221	0.222
14	rs745011	76450932	C	COV5	495	0.9048	-1.174	0.2404
14	rs745011	76450932	C	COV6	495	0.9665	-0.4032	0.6868
14	rs745011	76450932	C	COV7	495	0.991	-0.0903	0.9281
14	rs745011	76450932	C	COV8	495	1.111	0.8213	0.4115
14	rs745011	76450932	C	COV9	495	0.8912	-0.9938	0.3203
14	rs745011	76450932	C	COV10	495	1.024	0.2093	0.8342
14	rs745011	76450932	C	COV11	495	1.748	2.388	0.01692
14	rs745011	76450932	C	COV12	495	0.9882	-0.0768	0.9388
14	rs745011	76450932	C	COV13	495	0.9397	-0.5754	0.565
14	rs745011	76450932	C	COV14	495	0.9677	-0.2954	0.7677
14	rs1676303	76525821	C	ADD	533	0.882	-0.6305	0.5284
14	rs1676303	76525821	C	COV1	533	1.037	0.1952	0.8453

Table 12. (continued)

14	rs1676303	76525821	C	COV2	533	1.001	0.005833	0.9953
14	rs1676303	76525821	C	COV3	533	1.151	0.8633	0.388
14	rs1676303	76525821	C	COV4	533	0.9192	-0.4335	0.6647
14	rs1676303	76525821	C	COV5	533	0.9253	-0.9326	0.351
14	rs1676303	76525821	C	COV6	533	0.948	-0.6691	0.5035
14	rs1676303	76525821	C	COV7	533	1.033	0.3322	0.7397
14	rs1676303	76525821	C	COV8	533	1.114	0.8631	0.3881
14	rs1676303	76525821	C	COV9	533	0.812	-1.841	0.0656
14	rs1676303	76525821	C	COV10	533	1.032	0.2882	0.7732
14	rs1676303	76525821	C	COV11	533	1.684	2.232	0.02564
14	rs1676303	76525821	C	COV12	533	0.9948	-0.03455	0.9724
14	rs1676303	76525821	C	COV13	533	0.9	-1.021	0.3073
14	rs1676303	76525821	C	COV14	533	0.963	-0.3517	0.725
14	rs2860216	76539665	C	ADD	479	1.121	0.737	0.4611
14	rs2860216	76539665	C	COV1	479	1.063	0.31	0.7566
14	rs2860216	76539665	C	COV2	479	1.035	0.2955	0.7676
14	rs2860216	76539665	C	COV3	479	1.117	0.6531	0.5137
14	rs2860216	76539665	C	COV4	479	0.877	-0.6406	0.5218
14	rs2860216	76539665	C	COV5	479	0.9052	-1.153	0.2491
14	rs2860216	76539665	C	COV6	479	1.034	0.391	0.6958
14	rs2860216	76539665	C	COV7	479	0.9264	-0.7602	0.4471
14	rs2860216	76539665	C	COV8	479	1.138	0.9859	0.3242
14	rs2860216	76539665	C	COV9	479	0.7627	-2.297	0.02161
14	rs2860216	76539665	C	COV10	479	1.073	0.6217	0.5341
14	rs2860216	76539665	C	COV11	479	1.445	1.645	0.09997
14	rs2860216	76539665	C	COV12	479	1.104	0.6048	0.5453
14	rs2860216	76539665	C	COV13	479	0.9742	-0.2413	0.8093
14	rs2860216	76539665	C	COV14	479	0.9675	-0.2958	0.7674
17	rs2619112	4632090	A	ADD	524	1.078	0.5493	0.5828
17	rs2619112	4632090	A	COV1	524	0.9582	-0.2281	0.8195
17	rs2619112	4632090	A	COV2	524	0.9889	-0.1011	0.9195
17	rs2619112	4632090	A	COV3	524	1.176	1.001	0.3168
17	rs2619112	4632090	A	COV4	524	0.9303	-0.376	0.7069
17	rs2619112	4632090	A	COV5	524	0.8984	-1.289	0.1975
17	rs2619112	4632090	A	COV6	524	0.9775	-0.2856	0.7751
17	rs2619112	4632090	A	COV7	524	1.002	0.02521	0.9799
17	rs2619112	4632090	A	COV8	524	1.148	1.094	0.274
17	rs2619112	4632090	A	COV9	524	0.8284	-1.696	0.08996
17	rs2619112	4632090	A	COV10	524	1.038	0.3427	0.7318
17	rs2619112	4632090	A	COV11	524	1.552	1.95	0.05122
17	rs2619112	4632090	A	COV12	524	1.042	0.2741	0.784
17	rs2619112	4632090	A	COV13	524	0.9084	-0.9266	0.3541
17	rs2619112	4632090	A	COV14	524	0.9571	-0.404	0.6862
17	rs7217186	4636097	C	ADD	162	1.36	1.234	0.2171
17	rs7217186	4636097	C	COV1	162	1.289	0.7341	0.4629
17	rs7217186	4636097	C	COV2	162	1.071	0.3337	0.7386
17	rs7217186	4636097	C	COV3	162	0.6665	-1.272	0.2034
17	rs7217186	4636097	C	COV4	162	2.132	1.932	0.0533
17	rs7217186	4636097	C	COV5	162	0.8272	-1.34	0.1804
17	rs7217186	4636097	C	COV6	162	1.234	1.372	0.17
17	rs7217186	4636097	C	COV7	162	0.8613	-0.8159	0.4145
17	rs7217186	4636097	C	COV8	162	1.177	0.641	0.5215

Table 12. (continued)

17	rs7217186	4636097	C	COV9	162	0.7234	-1.436	0.1511
17	rs7217186	4636097	C	COV10	162	0.9639	-0.1814	0.856
17	rs7217186	4636097	C	COV11	162	0.9673	-0.0911	0.9274
17	rs7217186	4636097	C	COV12	162	1.164	0.5551	0.5788
17	rs7217186	4636097	C	COV13	162	0.9235	-0.4266	0.6697
17	rs7217186	4636097	C	COV14	162	1.243	1.097	0.2725
19	rs2235091	50907215	C	ADD	517	1.124	0.8181	0.4133
19	rs2235091	50907215	C	COV1	517	1.025	0.1305	0.8962
19	rs2235091	50907215	C	COV2	517	1.037	0.3296	0.7417
19	rs2235091	50907215	C	COV3	517	1.178	0.9956	0.3195
19	rs2235091	50907215	C	COV4	517	0.8491	-0.8364	0.4029
19	rs2235091	50907215	C	COV5	517	0.9073	-1.171	0.2415
19	rs2235091	50907215	C	COV6	517	0.9915	-0.1057	0.9158
19	rs2235091	50907215	C	COV7	517	1	0.002903	0.9977
19	rs2235091	50907215	C	COV8	517	1.082	0.6262	0.5312
19	rs2235091	50907215	C	COV9	517	0.8666	-1.269	0.2043
19	rs2235091	50907215	C	COV10	517	1.016	0.1443	0.8853
19	rs2235091	50907215	C	COV11	517	1.589	2.039	0.04143
19	rs2235091	50907215	C	COV12	517	1.023	0.1486	0.8819
19	rs2235091	50907215	C	COV13	517	0.9069	-0.9435	0.3454
19	rs2235091	50907215	C	COV14	517	0.9441	-0.5321	0.5947
19	rs198968	50910072	A	ADD	478	1.018	0.1082	0.9138
19	rs198968	50910072	A	COV1	478	0.984	-0.08164	0.9349
19	rs198968	50910072	A	COV2	478	0.9585	-0.3593	0.7193
19	rs198968	50910072	A	COV3	478	1.039	0.23	0.8181
19	rs198968	50910072	A	COV4	478	0.994	-0.02932	0.9766
19	rs198968	50910072	A	COV5	478	0.8999	-1.216	0.2238
19	rs198968	50910072	A	COV6	478	1.055	0.6325	0.5271
19	rs198968	50910072	A	COV7	478	1.038	0.3688	0.7123
19	rs198968	50910072	A	COV8	478	1.121	0.8347	0.4039
19	rs198968	50910072	A	COV9	478	0.8003	-1.887	0.0591
19	rs198968	50910072	A	COV10	478	1.064	0.5588	0.5763
19	rs198968	50910072	A	COV11	478	1.58	1.916	0.05534
19	rs198968	50910072	A	COV12	478	1.069	0.4121	0.6803
19	rs198968	50910072	A	COV13	478	0.8936	-1.024	0.3056
19	rs198968	50910072	A	COV14	478	0.969	-0.2812	0.7785
22	rs5997096	12345610	T	ADD	428	1.223	1.286	0.1986
22	rs5997096	12345610	T	COV1	428	1.027	0.1244	0.901
22	rs5997096	12345610	T	COV2	428	1.048	0.3709	0.7107
22	rs5997096	12345610	T	COV3	428	1.177	0.8809	0.3784
22	rs5997096	12345610	T	COV4	428	0.8478	-0.7178	0.4729
22	rs5997096	12345610	T	COV5	428	0.8854	-1.288	0.1976
22	rs5997096	12345610	T	COV6	428	0.9703	-0.334	0.7384
22	rs5997096	12345610	T	COV7	428	1.096	0.8029	0.4221
22	rs5997096	12345610	T	COV8	428	1.064	0.433	0.665
22	rs5997096	12345610	T	COV9	428	0.7547	-2.224	0.02616
22	rs5997096	12345610	T	COV10	428	1.11	0.8605	0.3895
22	rs5997096	12345610	T	COV11	428	1.851	2.231	0.0257
22	rs5997096	12345610	T	COV12	428	0.8192	-1.11	0.2671
22	rs5997096	12345610	T	COV13	428	0.9409	-0.5105	0.6097
22	rs5997096	12345610	T	COV14	428	1.115	0.89	0.3735
23	rs946252	123456	T	ADD	441	NA	NA	NA

Table 12. (continued)

23	rs946252	123456	T	SEX	441	NA	NA	NA
23	rs946252	123456	T	COV1	441	NA	NA	NA
23	rs946252	123456	T	COV2	441	NA	NA	NA
23	rs946252	123456	T	COV3	441	NA	NA	NA
23	rs946252	123456	T	COV4	441	NA	NA	NA
23	rs946252	123456	T	COV5	441	NA	NA	NA
23	rs946252	123456	T	COV6	441	NA	NA	NA
23	rs946252	123456	T	COV7	441	NA	NA	NA
23	rs946252	123456	T	COV8	441	NA	NA	NA
23	rs946252	123456	T	COV9	441	NA	NA	NA
23	rs946252	123456	T	COV10	441	NA	NA	NA
23	rs946252	123456	T	COV11	441	NA	NA	NA
23	rs946252	123456	T	COV12	441	NA	NA	NA
23	rs946252	123456	T	COV13	441	NA	NA	NA
23	rs946252	123456	T	COV14	441	NA	NA	NA
Low Caries vs. High Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	507	0.9463	-0.3518	0.725
1	rs7526319	1234567	T	COV1	507	0.899	-0.5794	0.5623
1	rs7526319	1234567	T	COV2	507	0.968	-0.3021	0.7626
1	rs7526319	1234567	T	COV3	507	0.7929	-1.47	0.1416
1	rs7526319	1234567	T	COV4	507	1.167	0.8291	0.4071
1	rs7526319	1234567	T	COV5	507	0.9443	-0.6985	0.4849
1	rs7526319	1234567	T	COV6	507	0.9915	-0.1108	0.9118
1	rs7526319	1234567	T	COV7	507	1.103	1.035	0.3008
1	rs7526319	1234567	T	COV8	507	0.9422	-0.5483	0.5835
1	rs7526319	1234567	T	COV9	507	0.8796	-1.17	0.242
1	rs7526319	1234567	T	COV10	507	1.093	0.8207	0.4118
1	rs7526319	1234567	T	COV11	507	0.9248	-0.4183	0.6757
1	rs7526319	1234567	T	COV12	507	1.101	0.6266	0.5309
1	rs7526319	1234567	T	COV13	507	1.081	0.7125	0.4762
1	rs7526319	1234567	T	COV14	507	1.272	2.277	0.0228
1	rs9701796	18859635	G	ADD	647	1.166	1.188	0.2349
1	rs9701796	18859635	G	COV1	647	0.9871	-0.08074	0.9357
1	rs9701796	18859635	G	COV2	647	1.039	0.3952	0.6927
1	rs9701796	18859635	G	COV3	647	0.8795	-0.9425	0.3459
1	rs9701796	18859635	G	COV4	647	0.9637	-0.2367	0.8129
1	rs9701796	18859635	G	COV5	647	1.054	0.7453	0.4561
1	rs9701796	18859635	G	COV6	647	0.9419	-0.8893	0.3738
1	rs9701796	18859635	G	COV7	647	1.067	0.7918	0.4285
1	rs9701796	18859635	G	COV8	647	0.9187	-0.8941	0.3713
1	rs9701796	18859635	G	COV9	647	0.9012	-1.068	0.2855
1	rs9701796	18859635	G	COV10	647	1.024	0.2523	0.8008
1	rs9701796	18859635	G	COV11	647	1.051	0.301	0.7634
1	rs9701796	18859635	G	COV12	647	1.05	0.3746	0.7079
1	rs9701796	18859635	G	COV13	647	1.087	0.8801	0.3788
1	rs9701796	18859635	G	COV14	647	1.246	2.384	0.01711
4	rs4694075	1234568	T	ADD	520	0.8528	-1.237	0.2163
4	rs4694075	1234568	T	COV1	520	0.9361	-0.3649	0.7152
4	rs4694075	1234568	T	COV2	520	1.017	0.157	0.8752
4	rs4694075	1234568	T	COV3	520	0.7356	-1.916	0.05537

Table 12. (continued)

4	rs4694075	1234568	T	COV4	520	1.168	0.8326	0.4051
4	rs4694075	1234568	T	COV5	520	1.019	0.2341	0.8149
4	rs4694075	1234568	T	COV6	520	0.9944	-0.07409	0.9409
4	rs4694075	1234568	T	COV7	520	1.036	0.3811	0.7031
4	rs4694075	1234568	T	COV8	520	0.9594	-0.3766	0.7065
4	rs4694075	1234568	T	COV9	520	0.8423	-1.56	0.1187
4	rs4694075	1234568	T	COV10	520	1.1	0.8951	0.3708
4	rs4694075	1234568	T	COV11	520	0.9165	-0.483	0.6291
4	rs4694075	1234568	T	COV12	520	1.137	0.8853	0.376
4	rs4694075	1234568	T	COV13	520	1.127	1.082	0.2791
4	rs4694075	1234568	T	COV14	520	1.245	2.095	0.03621
4	rs12640848	1234569	A	ADD	514	1.042	0.3709	0.7107
4	rs12640848	1234569	A	COV1	514	0.9066	-0.539	0.5899
4	rs12640848	1234569	A	COV2	514	0.9329	-0.6517	0.5146
4	rs12640848	1234569	A	COV3	514	0.7491	-1.848	0.06464
4	rs12640848	1234569	A	COV4	514	1.092	0.4703	0.6381
4	rs12640848	1234569	A	COV5	514	1.048	0.5774	0.5637
4	rs12640848	1234569	A	COV6	514	0.97	-0.3991	0.6898
4	rs12640848	1234569	A	COV7	514	1.08	0.8209	0.4117
4	rs12640848	1234569	A	COV8	514	0.9493	-0.4884	0.6253
4	rs12640848	1234569	A	COV9	514	0.911	-0.8499	0.3954
4	rs12640848	1234569	A	COV10	514	1.068	0.6068	0.544
4	rs12640848	1234569	A	COV11	514	0.9886	-0.06174	0.9508
4	rs12640848	1234569	A	COV12	514	1.128	0.8246	0.4096
4	rs12640848	1234569	A	COV13	514	1.089	0.7731	0.4394
4	rs12640848	1234569	A	COV14	514	1.249	2.112	0.03472
5	rs375129	4952722	T	ADD	538	1.065	0.5602	0.5753
5	rs375129	4952722	T	COV1	538	0.9698	-0.1744	0.8616
5	rs375129	4952722	T	COV2	538	1.024	0.2261	0.8211
5	rs375129	4952722	T	COV3	538	0.911	-0.6433	0.52
5	rs375129	4952722	T	COV4	538	1.098	0.5555	0.5786
5	rs375129	4952722	T	COV5	538	1.021	0.276	0.7826
5	rs375129	4952722	T	COV6	538	0.9539	-0.6578	0.5107
5	rs375129	4952722	T	COV7	538	0.9998	-0.002391	0.9981
5	rs375129	4952722	T	COV8	538	0.9753	-0.2437	0.8074
5	rs375129	4952722	T	COV9	538	0.9039	-0.9567	0.3387
5	rs375129	4952722	T	COV10	538	1.039	0.377	0.7062
5	rs375129	4952722	T	COV11	538	0.9856	-0.08246	0.9343
5	rs375129	4952722	T	COV12	538	1.119	0.8212	0.4115
5	rs375129	4952722	T	COV13	538	1.028	0.2671	0.7894
5	rs375129	4952722	T	COV14	538	1.1	0.9583	0.3379
5	rs27565	60541764	A	ADD	356	1.042	0.2661	0.7902
5	rs27565	60541764	A	COV1	356	1.193	0.7966	0.4257
5	rs27565	60541764	A	COV2	356	1.004	0.03239	0.9742
5	rs27565	60541764	A	COV3	356	0.8699	-0.781	0.4348
5	rs27565	60541764	A	COV4	356	1.246	0.9822	0.326
5	rs27565	60541764	A	COV5	356	1.119	1.184	0.2364
5	rs27565	60541764	A	COV6	356	0.9473	-0.5929	0.5532
5	rs27565	60541764	A	COV7	356	1.038	0.362	0.7174
5	rs27565	60541764	A	COV8	356	0.9596	-0.3284	0.7426
5	rs27565	60541764	A	COV9	356	0.8308	-1.383	0.1667
5	rs27565	60541764	A	COV10	356	1.126	0.9349	0.3498

Table 12. (continued)

5	rs27565	60541764	A	COV11	356	0.8821	-0.5799	0.562
5	rs27565	60541764	A	COV12	356	1.045	0.267	0.7894
5	rs27565	60541764	A	COV13	356	1.047	0.3627	0.7169
5	rs27565	60541764	A	COV14	356	1.152	1.167	0.2431
5	rs6862039	73503170	A	ADD	563	0.8167	-1.099	0.2719
5	rs6862039	73503170	A	COV1	563	0.9069	-0.5675	0.5703
5	rs6862039	73503170	A	COV2	563	1.019	0.1903	0.8491
5	rs6862039	73503170	A	COV3	563	0.9514	-0.3376	0.7357
5	rs6862039	73503170	A	COV4	563	0.8966	-0.633	0.5267
5	rs6862039	73503170	A	COV5	563	1.016	0.2065	0.8364
5	rs6862039	73503170	A	COV6	563	0.9216	-1.144	0.2526
5	rs6862039	73503170	A	COV7	563	1.057	0.6447	0.5191
5	rs6862039	73503170	A	COV8	563	0.9568	-0.4363	0.6626
5	rs6862039	73503170	A	COV9	563	0.9078	-0.9314	0.3517
5	rs6862039	73503170	A	COV10	563	1.066	0.631	0.5281
5	rs6862039	73503170	A	COV11	563	0.8689	-0.7667	0.4432
5	rs6862039	73503170	A	COV12	563	1.086	0.6046	0.5454
5	rs6862039	73503170	A	COV13	563	1.121	1.145	0.2522
5	rs6862039	73503170	A	COV14	563	1.205	1.877	0.06055
7	rs17159702	30919387	C	ADD	638	1.158	1.284	0.1993
7	rs17159702	30919387	C	COV1	638	0.957	-0.2706	0.7867
7	rs17159702	30919387	C	COV2	638	1.03	0.3009	0.7635
7	rs17159702	30919387	C	COV3	638	0.8322	-1.312	0.1896
7	rs17159702	30919387	C	COV4	638	1.04	0.2463	0.8054
7	rs17159702	30919387	C	COV5	638	1.025	0.336	0.7369
7	rs17159702	30919387	C	COV6	638	0.9409	-0.9056	0.3652
7	rs17159702	30919387	C	COV7	638	1.024	0.2883	0.7731
7	rs17159702	30919387	C	COV8	638	0.9462	-0.5752	0.5652
7	rs17159702	30919387	C	COV9	638	0.874	-1.366	0.172
7	rs17159702	30919387	C	COV10	638	1.09	0.8967	0.3699
7	rs17159702	30919387	C	COV11	638	1.087	0.4796	0.6315
7	rs17159702	30919387	C	COV12	638	1.038	0.2868	0.7743
7	rs17159702	30919387	C	COV13	638	1.104	1.008	0.3132
7	rs17159702	30919387	C	COV14	638	1.201	1.948	0.05141
7	rs10246939	141972804	C	ADD	567	1.168	1.333	0.1826
7	rs10246939	141972804	C	COV1	567	0.9302	-0.4178	0.6761
7	rs10246939	141972804	C	COV2	567	1.067	0.64	0.5222
7	rs10246939	141972804	C	COV3	567	0.8371	-1.249	0.2115
7	rs10246939	141972804	C	COV4	567	1.036	0.2171	0.8282
7	rs10246939	141972804	C	COV5	567	1.039	0.506	0.6129
7	rs10246939	141972804	C	COV6	567	0.9214	-1.147	0.2512
7	rs10246939	141972804	C	COV7	567	1.045	0.5142	0.6071
7	rs10246939	141972804	C	COV8	567	0.971	-0.2941	0.7687
7	rs10246939	141972804	C	COV9	567	0.8886	-1.155	0.2481
7	rs10246939	141972804	C	COV10	567	1.063	0.6098	0.542
7	rs10246939	141972804	C	COV11	567	0.9085	-0.5553	0.5787
7	rs10246939	141972804	C	COV12	567	1.068	0.4766	0.6336
7	rs10246939	141972804	C	COV13	567	1.077	0.7287	0.4662
7	rs10246939	141972804	C	COV14	567	1.262	2.349	0.01882
7	rs1726866	141972905	T	ADD	600	1.098	0.8128	0.4163
7	rs1726866	141972905	T	COV1	600	0.9626	-0.2275	0.82
7	rs1726866	141972905	T	COV2	600	1.08	0.7701	0.4412

Table 12. (continued)

7	rs1726866	141972905	T	COV3	600	0.8684	-0.9955	0.3195
7	rs1726866	141972905	T	COV4	600	0.975	-0.1569	0.8753
7	rs1726866	141972905	T	COV5	600	1.038	0.5149	0.6066
7	rs1726866	141972905	T	COV6	600	0.9116	-1.345	0.1787
7	rs1726866	141972905	T	COV7	600	1.084	0.9685	0.3328
7	rs1726866	141972905	T	COV8	600	0.959	-0.4229	0.6724
7	rs1726866	141972905	T	COV9	600	0.8947	-1.108	0.2677
7	rs1726866	141972905	T	COV10	600	1.084	0.8122	0.4167
7	rs1726866	141972905	T	COV11	600	0.9579	-0.2562	0.7978
7	rs1726866	141972905	T	COV12	600	1.055	0.3996	0.6894
7	rs1726866	141972905	T	COV13	600	1.117	1.117	0.2639
7	rs1726866	141972905	T	COV14	600	1.169	1.647	0.09947
7	rs713598	141973545	G	ADD	578	1.155	1.176	0.2398
7	rs713598	141973545	G	COV1	578	0.9493	-0.3056	0.7599
7	rs713598	141973545	G	COV2	578	1.047	0.4474	0.6546
7	rs713598	141973545	G	COV3	578	0.8055	-1.47	0.1416
7	rs713598	141973545	G	COV4	578	0.949	-0.3195	0.7494
7	rs713598	141973545	G	COV5	578	1.072	0.9216	0.3567
7	rs713598	141973545	G	COV6	578	0.9427	-0.8481	0.3964
7	rs713598	141973545	G	COV7	578	1.04	0.4407	0.6594
7	rs713598	141973545	G	COV8	578	0.9712	-0.2884	0.773
7	rs713598	141973545	G	COV9	578	0.8512	-1.522	0.128
7	rs713598	141973545	G	COV10	578	1.121	1.131	0.2583
7	rs713598	141973545	G	COV11	578	1.005	0.031	0.9753
7	rs713598	141973545	G	COV12	578	1.091	0.5988	0.5493
7	rs713598	141973545	G	COV13	578	1.156	1.408	0.159
7	rs713598	141973545	G	COV14	578	1.18	1.693	0.09039
8	rs11362	6877877	G	ADD	509	1.192	1.292	0.1965
8	rs11362	6877877	G	COV1	509	0.9534	-0.2593	0.7954
8	rs11362	6877877	G	COV2	509	1.007	0.06375	0.9492
8	rs11362	6877877	G	COV3	509	0.992	-0.05098	0.9593
8	rs11362	6877877	G	COV4	509	0.7492	-1.583	0.1134
8	rs11362	6877877	G	COV5	509	0.9724	-0.3442	0.7307
8	rs11362	6877877	G	COV6	509	0.9354	-0.8909	0.373
8	rs11362	6877877	G	COV7	509	1.067	0.6886	0.4911
8	rs11362	6877877	G	COV8	509	1.06	0.5054	0.6133
8	rs11362	6877877	G	COV9	509	0.7857	-2.135	0.03275
8	rs11362	6877877	G	COV10	509	1.155	1.324	0.1855
8	rs11362	6877877	G	COV11	509	1.168	0.7346	0.4626
8	rs11362	6877877	G	COV12	509	1.038	0.2514	0.8015
8	rs11362	6877877	G	COV13	509	1.104	0.9011	0.3676
8	rs11362	6877877	G	COV14	509	1.195	1.693	0.09054
8	rs1800972	6877901	C	ADD	298	1.199	0.8097	0.4181
8	rs1800972	6877901	C	COV1	298	1.099	0.3906	0.6961
8	rs1800972	6877901	C	COV2	298	1.132	0.8336	0.4045
8	rs1800972	6877901	C	COV3	298	0.8446	-0.8416	0.4
8	rs1800972	6877901	C	COV4	298	1.602	1.989	0.04675
8	rs1800972	6877901	C	COV5	298	1.001	0.008456	0.9933
8	rs1800972	6877901	C	COV6	298	0.8512	-1.541	0.1233
8	rs1800972	6877901	C	COV7	298	0.9726	-0.2389	0.8112
8	rs1800972	6877901	C	COV8	298	0.861	-1.061	0.2886
8	rs1800972	6877901	C	COV9	298	0.8966	-0.7354	0.4621

Table 12. (continued)

8	rs1800972	6877901	C	COV10	298	1.128	0.8625	0.3884
8	rs1800972	6877901	C	COV11	298	0.7902	-0.9774	0.3284
8	rs1800972	6877901	C	COV12	298	1.176	0.8419	0.3998
8	rs1800972	6877901	C	COV13	298	1.097	0.6636	0.5069
8	rs1800972	6877901	C	COV14	298	1.162	1.099	0.2718
12	rs3741559	49951193	A	ADD	124	1.152	0.4554	0.6488
12	rs3741559	49951193	A	COV1	124	1.004	0.01021	0.9919
12	rs3741559	49951193	A	COV2	124	1.333	1.126	0.26
12	rs3741559	49951193	A	COV3	124	1.366	0.8799	0.3789
12	rs3741559	49951193	A	COV4	124	0.7039	-0.8506	0.395
12	rs3741559	49951193	A	COV5	124	1.118	0.6402	0.5221
12	rs3741559	49951193	A	COV6	124	0.8667	-0.7653	0.4441
12	rs3741559	49951193	A	COV7	124	0.8927	-0.5831	0.5599
12	rs3741559	49951193	A	COV8	124	0.8391	-0.6282	0.5298
12	rs3741559	49951193	A	COV9	124	0.9014	-0.3957	0.6923
12	rs3741559	49951193	A	COV10	124	0.7814	-0.9423	0.3461
12	rs3741559	49951193	A	COV11	124	1.985	1.529	0.1264
12	rs3741559	49951193	A	COV12	124	0.8209	-0.6242	0.5325
12	rs3741559	49951193	A	COV13	124	0.814	-0.7952	0.4265
12	rs3741559	49951193	A	COV14	124	1.196	0.8	0.4237
12	rs461872	49951423	A	ADD	184	1.128	0.5075	0.6118
12	rs461872	49951423	A	COV1	184	0.9015	-0.3249	0.7453
12	rs461872	49951423	A	COV2	184	0.9592	-0.2156	0.8293
12	rs461872	49951423	A	COV3	184	0.6026	-1.787	0.074
12	rs461872	49951423	A	COV4	184	1.081	0.2368	0.8128
12	rs461872	49951423	A	COV5	184	1.259	1.584	0.1131
12	rs461872	49951423	A	COV6	184	0.9031	-0.7234	0.4694
12	rs461872	49951423	A	COV7	184	1.109	0.6324	0.5271
12	rs461872	49951423	A	COV8	184	0.8383	-0.7497	0.4535
12	rs461872	49951423	A	COV9	184	0.869	-0.6461	0.5182
12	rs461872	49951423	A	COV10	184	1.169	0.7775	0.4368
12	rs461872	49951423	A	COV11	184	0.9632	-0.1231	0.902
12	rs461872	49951423	A	COV12	184	0.8329	-0.6226	0.5335
12	rs461872	49951423	A	COV13	184	1.303	1.4	0.1614
12	rs461872	49951423	A	COV14	184	1.072	0.3781	0.7053
12	rs461872	49951423	A	ADD	140	1.226	0.8122	0.4167
12	rs461872	49951423	A	COV1	140	1.219	0.523	0.601
12	rs461872	49951423	A	COV2	140	1.115	0.4461	0.6555
12	rs461872	49951423	A	COV3	140	0.6277	-1.312	0.1897
12	rs461872	49951423	A	COV4	140	1.093	0.2245	0.8224
12	rs461872	49951423	A	COV5	140	1.421	2.111	0.03474
12	rs461872	49951423	A	COV6	140	0.8365	-1.094	0.2741
12	rs461872	49951423	A	COV7	140	1.258	1.21	0.2263
12	rs461872	49951423	A	COV8	140	0.913	-0.3678	0.713
12	rs461872	49951423	A	COV9	140	0.8709	-0.5616	0.5744
12	rs461872	49951423	A	COV10	140	1.061	0.2425	0.8084
12	rs461872	49951423	A	COV11	140	0.9842	-0.04685	0.9626
12	rs461872	49951423	A	COV12	140	0.7287	-0.9233	0.3558
12	rs461872	49951423	A	COV13	140	1.229	0.9769	0.3286
12	rs461872	49951423	A	COV14	140	1.029	0.1343	0.8932
12	rs467323	49955982	A	ADD	285	1.327	0.9506	0.3418
12	rs467323	49955982	A	COV1	285	0.6739	-1.536	0.1245

Table 12. (continued)

12	rs467323	49955982	A	COV2	285	1.044	0.2885	0.7729
12	rs467323	49955982	A	COV3	285	0.8282	-0.8713	0.3836
12	rs467323	49955982	A	COV4	285	0.6543	-1.74	0.08182
12	rs467323	49955982	A	COV5	285	0.8341	-1.604	0.1087
12	rs467323	49955982	A	COV6	285	0.9611	-0.3794	0.7044
12	rs467323	49955982	A	COV7	285	1.122	0.881	0.3783
12	rs467323	49955982	A	COV8	285	0.9663	-0.2237	0.823
12	rs467323	49955982	A	COV9	285	0.7485	-1.895	0.05803
12	rs467323	49955982	A	COV10	285	1.278	1.612	0.1069
12	rs467323	49955982	A	COV11	285	1.564	1.485	0.1376
12	rs467323	49955982	A	COV12	285	1.11	0.4645	0.6423
12	rs467323	49955982	A	COV13	285	1.285	1.652	0.09848
12	rs467323	49955982	A	COV14	285	1.159	1.002	0.3164
12	rs2878771	49958610	C	ADD	645	0.9524	-0.3496	0.7266
12	rs2878771	49958610	C	COV1	645	0.9124	-0.5674	0.5704
12	rs2878771	49958610	C	COV2	645	1.062	0.6234	0.533
12	rs2878771	49958610	C	COV3	645	0.864	-1.072	0.2839
12	rs2878771	49958610	C	COV4	645	0.9722	-0.1782	0.8586
12	rs2878771	49958610	C	COV5	645	1.044	0.6059	0.5446
12	rs2878771	49958610	C	COV6	645	0.9592	-0.6098	0.542
12	rs2878771	49958610	C	COV7	645	1.064	0.7597	0.4474
12	rs2878771	49958610	C	COV8	645	0.9105	-0.9921	0.3211
12	rs2878771	49958610	C	COV9	645	0.8742	-1.379	0.168
12	rs2878771	49958610	C	COV10	645	1.066	0.6707	0.5024
12	rs2878771	49958610	C	COV11	645	1.009	0.05644	0.955
12	rs2878771	49958610	C	COV12	645	1.046	0.3402	0.7337
12	rs2878771	49958610	C	COV13	645	1.104	1.028	0.3041
12	rs2878771	49958610	C	COV14	645	1.199	1.962	0.04974
12	rs3736309	49964271	G	ADD	537	0.8861	-0.7924	0.4281
12	rs3736309	49964271	G	COV1	537	0.8708	-0.7789	0.436
12	rs3736309	49964271	G	COV2	537	1.11	0.9781	0.328
12	rs3736309	49964271	G	COV3	537	0.8012	-1.506	0.1321
12	rs3736309	49964271	G	COV4	537	1.2	1.058	0.29
12	rs3736309	49964271	G	COV5	537	1.035	0.4449	0.6564
12	rs3736309	49964271	G	COV6	537	0.9227	-1.105	0.2692
12	rs3736309	49964271	G	COV7	537	1.052	0.5825	0.5602
12	rs3736309	49964271	G	COV8	537	0.9432	-0.5801	0.5619
12	rs3736309	49964271	G	COV9	537	0.9142	-0.8353	0.4035
12	rs3736309	49964271	G	COV10	537	1.029	0.274	0.7841
12	rs3736309	49964271	G	COV11	537	0.9191	-0.4713	0.6374
12	rs3736309	49964271	G	COV12	537	1.006	0.04409	0.9648
12	rs3736309	49964271	G	COV13	537	1.123	1.112	0.2661
12	rs3736309	49964271	G	COV14	537	1.17	1.556	0.1197
12	rs296763	49969231	C	ADD	635	1.072	0.4974	0.6189
12	rs296763	49969231	C	COV1	635	0.9477	-0.33	0.7414
12	rs296763	49969231	C	COV2	635	1.04	0.4042	0.6861
12	rs296763	49969231	C	COV3	635	0.9013	-0.7538	0.451
12	rs296763	49969231	C	COV4	635	0.9446	-0.3584	0.7201
12	rs296763	49969231	C	COV5	635	1.049	0.6586	0.5102
12	rs296763	49969231	C	COV6	635	0.945	-0.8411	0.4003
12	rs296763	49969231	C	COV7	635	1.055	0.6573	0.511
12	rs296763	49969231	C	COV8	635	0.9269	-0.7951	0.4265

Table 12. (continued)

12	rs296763	49969231	C	COV9	635	0.8657	-1.465	0.1429
12	rs296763	49969231	C	COV10	635	1.072	0.724	0.4691
12	rs296763	49969231	C	COV11	635	0.9695	-0.1902	0.8492
12	rs296763	49969231	C	COV12	635	1.104	0.7524	0.4518
12	rs296763	49969231	C	COV13	635	1.091	0.8997	0.3683
12	rs296763	49969231	C	COV14	635	1.208	2.025	0.04287
12	rs1996315	49970924	G	ADD	660	0.8564	-1.419	0.1558
12	rs1996315	49970924	G	COV1	660	0.9288	-0.4627	0.6436
12	rs1996315	49970924	G	COV2	660	1.034	0.3583	0.7201
12	rs1996315	49970924	G	COV3	660	0.8696	-1.027	0.3045
12	rs1996315	49970924	G	COV4	660	0.9716	-0.1853	0.853
12	rs1996315	49970924	G	COV5	660	1.038	0.5243	0.6001
12	rs1996315	49970924	G	COV6	660	0.9403	-0.9237	0.3557
12	rs1996315	49970924	G	COV7	660	1.066	0.7923	0.4282
12	rs1996315	49970924	G	COV8	660	0.9244	-0.836	0.4032
12	rs1996315	49970924	G	COV9	660	0.8964	-1.132	0.2576
12	rs1996315	49970924	G	COV10	660	1.05	0.519	0.6037
12	rs1996315	49970924	G	COV11	660	0.9945	-0.0337	0.9731
12	rs1996315	49970924	G	COV12	660	1.078	0.5837	0.5594
12	rs1996315	49970924	G	COV13	660	1.093	0.9406	0.3469
12	rs1996315	49970924	G	COV14	660	1.214	2.106	0.0352
14	rs1997532	21729203	C	ADD	616	0.8591	-1.206	0.2277
14	rs1997532	21729203	C	COV1	616	0.9553	-0.2756	0.7828
14	rs1997532	21729203	C	COV2	616	1.016	0.1629	0.8706
14	rs1997532	21729203	C	COV3	616	0.8865	-0.8645	0.3873
14	rs1997532	21729203	C	COV4	616	0.9457	-0.3464	0.7291
14	rs1997532	21729203	C	COV5	616	1.039	0.5303	0.5959
14	rs1997532	21729203	C	COV6	616	0.921	-1.199	0.2307
14	rs1997532	21729203	C	COV7	616	1.066	0.7508	0.4528
14	rs1997532	21729203	C	COV8	616	0.9987	-0.01278	0.9898
14	rs1997532	21729203	C	COV9	616	0.8784	-1.303	0.1924
14	rs1997532	21729203	C	COV10	616	1.042	0.4274	0.6691
14	rs1997532	21729203	C	COV11	616	0.9676	-0.1984	0.8427
14	rs1997532	21729203	C	COV12	616	1.048	0.3544	0.723
14	rs1997532	21729203	C	COV13	616	1.117	1.134	0.2569
14	rs1997532	21729203	C	COV14	616	1.259	2.432	0.015
14	rs1997533	21729284	C	ADD	483	0.8686	-0.9915	0.3214
14	rs1997533	21729284	C	COV1	483	0.7753	-1.349	0.1775
14	rs1997533	21729284	C	COV2	483	1.104	0.9096	0.363
14	rs1997533	21729284	C	COV3	483	0.8274	-1.181	0.2375
14	rs1997533	21729284	C	COV4	483	1.072	0.3754	0.7074
14	rs1997533	21729284	C	COV5	483	1.009	0.1069	0.9149
14	rs1997533	21729284	C	COV6	483	0.9137	-1.186	0.2357
14	rs1997533	21729284	C	COV7	483	1.044	0.4629	0.6434
14	rs1997533	21729284	C	COV8	483	0.8822	-1.127	0.2598
14	rs1997533	21729284	C	COV9	483	0.861	-1.31	0.19
14	rs1997533	21729284	C	COV10	483	1.044	0.401	0.6884
14	rs1997533	21729284	C	COV11	483	0.9995	-0.002378	0.9981
14	rs1997533	21729284	C	COV12	483	0.9863	-0.09635	0.9232
14	rs1997533	21729284	C	COV13	483	1.156	1.327	0.1844
14	rs1997533	21729284	C	COV14	483	1.189	1.632	0.1026
14	rs7150049	21733607	G	ADD	589	1.016	0.1393	0.8893

Table 12. (continued)

14	rs7150049	21733607	G	COV1	589	1.046	0.2653	0.7908
14	rs7150049	21733607	G	COV2	589	1.051	0.4935	0.6217
14	rs7150049	21733607	G	COV3	589	0.8835	-0.8652	0.3869
14	rs7150049	21733607	G	COV4	589	0.9725	-0.1704	0.8647
14	rs7150049	21733607	G	COV5	589	1.02	0.2661	0.7902
14	rs7150049	21733607	G	COV6	589	0.9146	-1.275	0.2022
14	rs7150049	21733607	G	COV7	589	1.073	0.8146	0.4153
14	rs7150049	21733607	G	COV8	589	0.9145	-0.9129	0.3613
14	rs7150049	21733607	G	COV9	589	0.8341	-1.769	0.07694
14	rs7150049	21733607	G	COV10	589	1.046	0.4539	0.6499
14	rs7150049	21733607	G	COV11	589	1.017	0.09676	0.9229
14	rs7150049	21733607	G	COV12	589	1.045	0.3209	0.7483
14	rs7150049	21733607	G	COV13	589	1.185	1.639	0.1012
14	rs7150049	21733607	G	COV14	589	1.21	1.977	0.04803
14	rs8011979	21733619	T	ADD	556	0.8898	-0.871	0.3837
14	rs8011979	21733619	T	COV1	556	0.9163	-0.5015	0.616
14	rs8011979	21733619	T	COV2	556	1.067	0.6233	0.5331
14	rs8011979	21733619	T	COV3	556	0.9186	-0.5837	0.5594
14	rs8011979	21733619	T	COV4	556	0.8609	-0.89	0.3734
14	rs8011979	21733619	T	COV5	556	1.028	0.3699	0.7115
14	rs8011979	21733619	T	COV6	556	0.922	-1.129	0.259
14	rs8011979	21733619	T	COV7	556	1.063	0.6927	0.4885
14	rs8011979	21733619	T	COV8	556	0.9013	-1.006	0.3145
14	rs8011979	21733619	T	COV9	556	0.9282	-0.713	0.4758
14	rs8011979	21733619	T	COV10	556	1.009	0.08975	0.9285
14	rs8011979	21733619	T	COV11	556	0.9965	-0.02011	0.984
14	rs8011979	21733619	T	COV12	556	1.105	0.7229	0.4697
14	rs8011979	21733619	T	COV13	556	1.108	0.9932	0.3206
14	rs8011979	21733619	T	COV14	556	1.198	1.82	0.0687
14	rs4903399	76308859	T	ADD	604	1.18	1.135	0.2564
14	rs4903399	76308859	T	COV1	604	1.095	0.5428	0.5872
14	rs4903399	76308859	T	COV2	604	1.108	1.023	0.3061
14	rs4903399	76308859	T	COV3	604	0.8228	-1.335	0.182
14	rs4903399	76308859	T	COV4	604	0.9834	-0.1024	0.9185
14	rs4903399	76308859	T	COV5	604	1.038	0.5001	0.617
14	rs4903399	76308859	T	COV6	604	0.9538	-0.6844	0.4937
14	rs4903399	76308859	T	COV7	604	1.079	0.9021	0.367
14	rs4903399	76308859	T	COV8	604	0.899	-1.088	0.2767
14	rs4903399	76308859	T	COV9	604	0.8382	-1.75	0.08004
14	rs4903399	76308859	T	COV10	604	1.093	0.9011	0.3675
14	rs4903399	76308859	T	COV11	604	0.9417	-0.3571	0.721
14	rs4903399	76308859	T	COV12	604	1.064	0.4661	0.6411
14	rs4903399	76308859	T	COV13	604	1.171	1.587	0.1126
14	rs4903399	76308859	T	COV14	604	1.213	2.01	0.04442
14	rs6574293	76404257	A	ADD	580	0.836	-0.9516	0.3413
14	rs6574293	76404257	A	COV1	580	0.9336	-0.4032	0.6868
14	rs6574293	76404257	A	COV2	580	1.047	0.461	0.6448
14	rs6574293	76404257	A	COV3	580	0.8173	-1.397	0.1625
14	rs6574293	76404257	A	COV4	580	1.034	0.2052	0.8374
14	rs6574293	76404257	A	COV5	580	1.035	0.4555	0.6488
14	rs6574293	76404257	A	COV6	580	0.9291	-1.033	0.3017
14	rs6574293	76404257	A	COV7	580	1.123	1.34	0.1802

Table 12. (continued)

14	rs6574293	76404257	A	COV8	580	0.9419	-0.5974	0.5503
14	rs6574293	76404257	A	COV9	580	0.8636	-1.425	0.1543
14	rs6574293	76404257	A	COV10	580	1.052	0.5007	0.6166
14	rs6574293	76404257	A	COV11	580	0.9247	-0.4602	0.6454
14	rs6574293	76404257	A	COV12	580	1.056	0.4058	0.6849
14	rs6574293	76404257	A	COV13	580	1.167	1.489	0.1366
14	rs6574293	76404257	A	COV14	580	1.214	2	0.04547
14	rs10132091	76404475	C	ADD	604	0.9552	-0.4061	0.6847
14	rs10132091	76404475	C	COV1	604	0.9836	-0.09943	0.9208
14	rs10132091	76404475	C	COV2	604	1.079	0.7709	0.4408
14	rs10132091	76404475	C	COV3	604	0.8579	-1.066	0.2866
14	rs10132091	76404475	C	COV4	604	0.9697	-0.1891	0.85
14	rs10132091	76404475	C	COV5	604	1.076	0.9969	0.3188
14	rs10132091	76404475	C	COV6	604	0.94	-0.901	0.3676
14	rs10132091	76404475	C	COV7	604	0.9964	-0.04312	0.9656
14	rs10132091	76404475	C	COV8	604	0.9845	-0.1589	0.8738
14	rs10132091	76404475	C	COV9	604	0.8656	-1.422	0.1551
14	rs10132091	76404475	C	COV10	604	1.033	0.3281	0.7428
14	rs10132091	76404475	C	COV11	604	1.13	0.6973	0.4856
14	rs10132091	76404475	C	COV12	604	1.081	0.5868	0.5574
14	rs10132091	76404475	C	COV13	604	1.056	0.5522	0.5808
14	rs10132091	76404475	C	COV14	604	1.173	1.678	0.09326
14	rs1077430	76431334	A	ADD	531	1.186	1.284	0.1993
14	rs1077430	76431334	A	COV1	531	0.8838	-0.6902	0.4901
14	rs1077430	76431334	A	COV2	531	1.174	1.499	0.1339
14	rs1077430	76431334	A	COV3	531	0.8578	-1.002	0.3164
14	rs1077430	76431334	A	COV4	531	0.8824	-0.7162	0.4739
14	rs1077430	76431334	A	COV5	531	1.023	0.2906	0.7714
14	rs1077430	76431334	A	COV6	531	0.8896	-1.572	0.1159
14	rs1077430	76431334	A	COV7	531	1.077	0.8195	0.4125
14	rs1077430	76431334	A	COV8	531	0.9922	-0.07591	0.9395
14	rs1077430	76431334	A	COV9	531	0.8216	-1.788	0.07383
14	rs1077430	76431334	A	COV10	531	1.074	0.6652	0.5059
14	rs1077430	76431334	A	COV11	531	0.9341	-0.3697	0.7116
14	rs1077430	76431334	A	COV12	531	1.045	0.3116	0.7553
14	rs1077430	76431334	A	COV13	531	1.179	1.524	0.1276
14	rs1077430	76431334	A	COV14	531	1.175	1.58	0.1141
14	rs745011	76450932	C	ADD	581	1.043	0.3803	0.7037
14	rs745011	76450932	C	COV1	581	0.9364	-0.3871	0.6987
14	rs745011	76450932	C	COV2	581	1.03	0.2918	0.7704
14	rs745011	76450932	C	COV3	581	0.8444	-1.171	0.2418
14	rs745011	76450932	C	COV4	581	0.9127	-0.5566	0.5778
14	rs745011	76450932	C	COV5	581	1.046	0.5978	0.55
14	rs745011	76450932	C	COV6	581	0.9198	-1.181	0.2377
14	rs745011	76450932	C	COV7	581	1.066	0.7287	0.4662
14	rs745011	76450932	C	COV8	581	0.9459	-0.5416	0.5881
14	rs745011	76450932	C	COV9	581	0.9065	-0.9541	0.34
14	rs745011	76450932	C	COV10	581	1.011	0.1087	0.9134
14	rs745011	76450932	C	COV11	581	0.9937	-0.03695	0.9705
14	rs745011	76450932	C	COV12	581	1.07	0.4936	0.6216
14	rs745011	76450932	C	COV13	581	1.204	1.829	0.06736
14	rs745011	76450932	C	COV14	581	1.182	1.73	0.08355

Table 12. (continued)

14	rs1676303	76525821	C	ADD	615	0.8046	-1.265	0.2057
14	rs1676303	76525821	C	COV1	615	1.034	0.203	0.8392
14	rs1676303	76525821	C	COV2	615	1.089	0.8428	0.3994
14	rs1676303	76525821	C	COV3	615	0.8322	-1.272	0.2034
14	rs1676303	76525821	C	COV4	615	0.9718	-0.1757	0.8605
14	rs1676303	76525821	C	COV5	615	1.025	0.3321	0.7398
14	rs1676303	76525821	C	COV6	615	0.9169	-1.244	0.2135
14	rs1676303	76525821	C	COV7	615	1.072	0.829	0.4071
14	rs1676303	76525821	C	COV8	615	0.9136	-0.9284	0.3532
14	rs1676303	76525821	C	COV9	615	0.8373	-1.751	0.07997
14	rs1676303	76525821	C	COV10	615	1.083	0.802	0.4225
14	rs1676303	76525821	C	COV11	615	0.9506	-0.3007	0.7636
14	rs1676303	76525821	C	COV12	615	1.102	0.7287	0.4662
14	rs1676303	76525821	C	COV13	615	1.178	1.65	0.09894
14	rs1676303	76525821	C	COV14	615	1.203	1.939	0.05245
14	rs2860216	76539665	C	ADD	568	1.006	0.04823	0.9615
14	rs2860216	76539665	C	COV1	568	0.8754	-0.7708	0.4408
14	rs2860216	76539665	C	COV2	568	1.013	0.1226	0.9024
14	rs2860216	76539665	C	COV3	568	0.8749	-0.8874	0.3749
14	rs2860216	76539665	C	COV4	568	0.9633	-0.2214	0.8247
14	rs2860216	76539665	C	COV5	568	1.002	0.0232	0.9815
14	rs2860216	76539665	C	COV6	568	0.9693	-0.4359	0.6629
14	rs2860216	76539665	C	COV7	568	1.017	0.1905	0.8489
14	rs2860216	76539665	C	COV8	568	0.9109	-0.9242	0.3554
14	rs2860216	76539665	C	COV9	568	0.8703	-1.341	0.1801
14	rs2860216	76539665	C	COV10	568	1.066	0.6319	0.5274
14	rs2860216	76539665	C	COV11	568	1.05	0.2813	0.7785
14	rs2860216	76539665	C	COV12	568	1.05	0.3569	0.7212
14	rs2860216	76539665	C	COV13	568	1.172	1.569	0.1167
14	rs2860216	76539665	C	COV14	568	1.256	2.32	0.02033
17	rs2619112	4632090	A	ADD	601	0.8964	-0.8826	0.3774
17	rs2619112	4632090	A	COV1	601	0.9304	-0.4301	0.6672
17	rs2619112	4632090	A	COV2	601	1.043	0.4222	0.6729
17	rs2619112	4632090	A	COV3	601	0.8592	-1.036	0.3001
17	rs2619112	4632090	A	COV4	601	0.9698	-0.1838	0.8542
17	rs2619112	4632090	A	COV5	601	1.048	0.629	0.5293
17	rs2619112	4632090	A	COV6	601	0.9606	-0.5801	0.5619
17	rs2619112	4632090	A	COV7	601	1.073	0.8363	0.403
17	rs2619112	4632090	A	COV8	601	0.9373	-0.6552	0.5124
17	rs2619112	4632090	A	COV9	601	0.8431	-1.701	0.08897
17	rs2619112	4632090	A	COV10	601	1.093	0.9005	0.3678
17	rs2619112	4632090	A	COV11	601	0.916	-0.5132	0.6078
17	rs2619112	4632090	A	COV12	601	1.113	0.7926	0.428
17	rs2619112	4632090	A	COV13	601	1.109	1.045	0.2962
17	rs2619112	4632090	A	COV14	601	1.2	1.887	0.05921
17	rs7217186	4636097	C	ADD	186	0.7775	-1.132	0.2578
17	rs7217186	4636097	C	COV1	186	1.189	0.5403	0.589
17	rs7217186	4636097	C	COV2	186	1.035	0.1747	0.8613
17	rs7217186	4636097	C	COV3	186	0.5193	-2.2	0.0278
17	rs7217186	4636097	C	COV4	186	1.574	1.454	0.1459
17	rs7217186	4636097	C	COV5	186	1.155	1.059	0.2894
17	rs7217186	4636097	C	COV6	186	1.052	0.3781	0.7054

Table 12. (continued)

17	rs7217186	4636097	C	COV7	186	0.8642	-0.9345	0.3501
17	rs7217186	4636097	C	COV8	186	0.9235	-0.399	0.6899
17	rs7217186	4636097	C	COV9	186	0.9827	-0.08656	0.931
17	rs7217186	4636097	C	COV10	186	1.081	0.4178	0.6761
17	rs7217186	4636097	C	COV11	186	0.7372	-1.04	0.2982
17	rs7217186	4636097	C	COV12	186	1.02	0.07117	0.9433
17	rs7217186	4636097	C	COV13	186	1.038	0.1984	0.8427
17	rs7217186	4636097	C	COV14	186	1.561	2.506	0.01222
19	rs2235091	50907215	C	ADD	613	1.015	0.1234	0.9018
19	rs2235091	50907215	C	COV1	613	0.9511	-0.3036	0.7614
19	rs2235091	50907215	C	COV2	613	1.062	0.6193	0.5357
19	rs2235091	50907215	C	COV3	613	0.9263	-0.5309	0.5955
19	rs2235091	50907215	C	COV4	613	0.9074	-0.5941	0.5525
19	rs2235091	50907215	C	COV5	613	1.023	0.3117	0.7553
19	rs2235091	50907215	C	COV6	613	0.945	-0.8248	0.4095
19	rs2235091	50907215	C	COV7	613	1.047	0.5501	0.5822
19	rs2235091	50907215	C	COV8	613	0.9149	-0.9047	0.3656
19	rs2235091	50907215	C	COV9	613	0.8775	-1.316	0.1882
19	rs2235091	50907215	C	COV10	613	1.06	0.6038	0.546
19	rs2235091	50907215	C	COV11	613	0.946	-0.3233	0.7465
19	rs2235091	50907215	C	COV12	613	1.091	0.663	0.5073
19	rs2235091	50907215	C	COV13	613	1.112	1.097	0.2728
19	rs2235091	50907215	C	COV14	613	1.194	1.873	0.06106
19	rs198968	50910072	A	ADD	550	1.052	0.3487	0.7273
19	rs198968	50910072	A	COV1	550	1.032	0.1787	0.8581
19	rs198968	50910072	A	COV2	550	1.05	0.4653	0.6417
19	rs198968	50910072	A	COV3	550	0.856	-1.043	0.2969
19	rs198968	50910072	A	COV4	550	0.9925	-0.0443	0.9647
19	rs198968	50910072	A	COV5	550	1.007	0.08892	0.9291
19	rs198968	50910072	A	COV6	550	0.9197	-1.155	0.2479
19	rs198968	50910072	A	COV7	550	1.051	0.5632	0.5733
19	rs198968	50910072	A	COV8	550	0.9208	-0.7825	0.4339
19	rs198968	50910072	A	COV9	550	0.8483	-1.55	0.1211
19	rs198968	50910072	A	COV10	550	1.094	0.8913	0.3728
19	rs198968	50910072	A	COV11	550	0.9985	-0.008066	0.9936
19	rs198968	50910072	A	COV12	550	1.206	1.288	0.1976
19	rs198968	50910072	A	COV13	550	1.11	1.019	0.3082
19	rs198968	50910072	A	COV14	550	1.156	1.453	0.1461
22	rs5997096	12345610	T	ADD	509	1.035	0.2675	0.7891
22	rs5997096	12345610	T	COV1	509	0.9983	-0.009309	0.9926
22	rs5997096	12345610	T	COV2	509	0.9711	-0.2723	0.7854
22	rs5997096	12345610	T	COV3	509	0.8397	-1.08	0.2801
22	rs5997096	12345610	T	COV4	509	1.027	0.1434	0.8859
22	rs5997096	12345610	T	COV5	509	1.017	0.2045	0.838
22	rs5997096	12345610	T	COV6	509	0.9896	-0.1359	0.8919
22	rs5997096	12345610	T	COV7	509	1.078	0.8031	0.4219
22	rs5997096	12345610	T	COV8	509	0.9081	-0.8913	0.3728
22	rs5997096	12345610	T	COV9	509	0.8625	-1.334	0.1821
22	rs5997096	12345610	T	COV10	509	1.105	0.922	0.3565
22	rs5997096	12345610	T	COV11	509	0.9288	-0.4014	0.6882
22	rs5997096	12345610	T	COV12	509	1.091	0.5839	0.5593
22	rs5997096	12345610	T	COV13	509	1.125	1.079	0.2808

Table 12. (continued)

22	rs5997096	12345610	T	COV14	509	1.261	2.211	0.02705
23	rs946252	123456	T	ADD	523	NA	NA	NA
23	rs946252	123456	T	SEX	523	NA	NA	NA
23	rs946252	123456	T	COV1	523	NA	NA	NA
23	rs946252	123456	T	COV2	523	NA	NA	NA
23	rs946252	123456	T	COV3	523	NA	NA	NA
23	rs946252	123456	T	COV4	523	NA	NA	NA
23	rs946252	123456	T	COV5	523	NA	NA	NA
23	rs946252	123456	T	COV6	523	NA	NA	NA
23	rs946252	123456	T	COV7	523	NA	NA	NA
23	rs946252	123456	T	COV8	523	NA	NA	NA
23	rs946252	123456	T	COV9	523	NA	NA	NA
23	rs946252	123456	T	COV10	523	NA	NA	NA
23	rs946252	123456	T	COV11	523	NA	NA	NA
23	rs946252	123456	T	COV12	523	NA	NA	NA
23	rs946252	123456	T	COV13	523	NA	NA	NA
23	rs946252	123456	T	COV14	523	NA	NA	NA
No Primary Caries vs. Low Primary Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	583	0.8142	-0.9918	0.3213
1	rs7526319	1234567	T	COV1	583	1.039	0.1673	0.8672
1	rs7526319	1234567	T	COV2	583	1.22	1.492	0.1356
1	rs7526319	1234567	T	COV3	583	1.002	0.0105	0.9916
1	rs7526319	1234567	T	COV4	583	0.9668	-0.1472	0.8829
1	rs7526319	1234567	T	COV5	583	1.03	0.296	0.7672
1	rs7526319	1234567	T	COV6	583	0.9835	-0.1737	0.8621
1	rs7526319	1234567	T	COV7	583	1.044	0.3731	0.7091
1	rs7526319	1234567	T	COV8	583	0.9998	-0.001321	0.9989
1	rs7526319	1234567	T	COV9	583	0.8484	-1.215	0.2243
1	rs7526319	1234567	T	COV10	583	1.1	0.7626	0.4457
1	rs7526319	1234567	T	COV11	583	0.8471	-0.6629	0.5074
1	rs7526319	1234567	T	COV12	583	0.8334	-0.8843	0.3765
1	rs7526319	1234567	T	COV13	583	1.174	1.248	0.2119
1	rs7526319	1234567	T	COV14	583	0.9586	-0.3318	0.74
1	rs9701796	18859635	G	ADD	743	0.952	-0.2939	0.7688
1	rs9701796	18859635	G	COV1	743	0.9332	-0.3409	0.7332
1	rs9701796	18859635	G	COV2	743	1.156	1.194	0.2324
1	rs9701796	18859635	G	COV3	743	1.009	0.05263	0.958
1	rs9701796	18859635	G	COV4	743	0.8134	-1.045	0.2962
1	rs9701796	18859635	G	COV5	743	0.9448	-0.638	0.5235
1	rs9701796	18859635	G	COV6	743	1.004	0.04201	0.9665
1	rs9701796	18859635	G	COV7	743	0.9931	-0.06865	0.9453
1	rs9701796	18859635	G	COV8	743	1.129	1.034	0.3012
1	rs9701796	18859635	G	COV9	743	0.8687	-1.17	0.2421
1	rs9701796	18859635	G	COV10	743	1.159	1.281	0.2001
1	rs9701796	18859635	G	COV11	743	0.7944	-1.035	0.3005
1	rs9701796	18859635	G	COV12	743	0.9327	-0.4105	0.6814
1	rs9701796	18859635	G	COV13	743	1.204	1.678	0.09333
1	rs9701796	18859635	G	COV14	743	0.9817	-0.1613	0.8718
4	rs4694075	1234568	T	ADD	604	1.071	0.4235	0.6719
4	rs4694075	1234568	T	COV1	604	1.03	0.1296	0.8969

Table 12. (continued)

4	rs4694075	1234568	T	COV2	604	1.272	1.78	0.07509
4	rs4694075	1234568	T	COV3	604	0.9787	-0.1101	0.9123
4	rs4694075	1234568	T	COV4	604	1.001	0.006174	0.9951
4	rs4694075	1234568	T	COV5	604	0.9668	-0.3395	0.7343
4	rs4694075	1234568	T	COV6	604	1.035	0.3696	0.7117
4	rs4694075	1234568	T	COV7	604	0.9673	-0.283	0.7772
4	rs4694075	1234568	T	COV8	604	1.062	0.437	0.6621
4	rs4694075	1234568	T	COV9	604	0.8598	-1.145	0.2521
4	rs4694075	1234568	T	COV10	604	1.094	0.7255	0.4681
4	rs4694075	1234568	T	COV11	604	0.7983	-0.8982	0.3691
4	rs4694075	1234568	T	COV12	604	0.9252	-0.4	0.6892
4	rs4694075	1234568	T	COV13	604	1.181	1.284	0.1992
4	rs4694075	1234568	T	COV14	604	0.9241	-0.6225	0.5336
4	rs12640848	1234569	A	ADD	591	1.091	0.6161	0.5379
4	rs12640848	1234569	A	COV1	591	0.8644	-0.6331	0.5267
4	rs12640848	1234569	A	COV2	591	1.169	1.166	0.2435
4	rs12640848	1234569	A	COV3	591	1.076	0.3772	0.706
4	rs12640848	1234569	A	COV4	591	0.8006	-0.9498	0.3422
4	rs12640848	1234569	A	COV5	591	0.9914	-0.08482	0.9324
4	rs12640848	1234569	A	COV6	591	1.034	0.3572	0.7209
4	rs12640848	1234569	A	COV7	591	1.024	0.1982	0.8429
4	rs12640848	1234569	A	COV8	591	1.024	0.1713	0.864
4	rs12640848	1234569	A	COV9	591	0.868	-1.042	0.2973
4	rs12640848	1234569	A	COV10	591	1.106	0.7825	0.4339
4	rs12640848	1234569	A	COV11	591	0.7604	-1.033	0.3018
4	rs12640848	1234569	A	COV12	591	0.9277	-0.385	0.7003
4	rs12640848	1234569	A	COV13	591	1.205	1.426	0.154
4	rs12640848	1234569	A	COV14	591	0.9031	-0.7861	0.4318
5	rs375129	4952722	T	ADD	631	0.89	-0.7948	0.4267
5	rs375129	4952722	T	COV1	631	1.197	0.7957	0.4262
5	rs375129	4952722	T	COV2	631	1.187	1.29	0.1971
5	rs375129	4952722	T	COV3	631	1.025	0.1323	0.8948
5	rs375129	4952722	T	COV4	631	0.8025	-1.012	0.3113
5	rs375129	4952722	T	COV5	631	0.9694	-0.3193	0.7495
5	rs375129	4952722	T	COV6	631	0.9709	-0.3201	0.7489
5	rs375129	4952722	T	COV7	631	1.018	0.1595	0.8733
5	rs375129	4952722	T	COV8	631	1.104	0.7586	0.4481
5	rs375129	4952722	T	COV9	631	0.8369	-1.338	0.1808
5	rs375129	4952722	T	COV10	631	1.184	1.358	0.1744
5	rs375129	4952722	T	COV11	631	0.9346	-0.2824	0.7776
5	rs375129	4952722	T	COV12	631	0.9229	-0.444	0.657
5	rs375129	4952722	T	COV13	631	1.143	1.097	0.2726
5	rs375129	4952722	T	COV14	631	0.9271	-0.6013	0.5477
5	rs27565	60541764	A	ADD	419	1.383	1.612	0.107
5	rs27565	60541764	A	COV1	419	1.347	1.042	0.2973
5	rs27565	60541764	A	COV2	419	1.212	1.127	0.2599
5	rs27565	60541764	A	COV3	419	0.8723	-0.6008	0.548
5	rs27565	60541764	A	COV4	419	0.6477	-1.478	0.1394
5	rs27565	60541764	A	COV5	419	1.086	0.6755	0.4994
5	rs27565	60541764	A	COV6	419	0.9204	-0.6998	0.4841
5	rs27565	60541764	A	COV7	419	0.9254	-0.5432	0.587
5	rs27565	60541764	A	COV8	419	1.208	1.218	0.2234

Table 12. (continued)

5	rs27565	60541764	A	COV9	419	0.8453	-1.018	0.3087
5	rs27565	60541764	A	COV10	419	1.13	0.7729	0.4396
5	rs27565	60541764	A	COV11	419	0.9343	-0.2346	0.8145
5	rs27565	60541764	A	COV12	419	1.108	0.4869	0.6263
5	rs27565	60541764	A	COV13	419	1.386	2.206	0.02736
5	rs27565	60541764	A	COV14	419	0.9278	-0.4788	0.6321
5	rs6862039	73503170	A	ADD	649	0.8129	-0.8277	0.4078
5	rs6862039	73503170	A	COV1	649	0.9814	-0.08775	0.9301
5	rs6862039	73503170	A	COV2	649	1.139	1.048	0.2947
5	rs6862039	73503170	A	COV3	649	0.9784	-0.1195	0.9049
5	rs6862039	73503170	A	COV4	649	0.8814	-0.585	0.5586
5	rs6862039	73503170	A	COV5	649	0.9935	-0.06992	0.9443
5	rs6862039	73503170	A	COV6	649	0.9816	-0.2078	0.8354
5	rs6862039	73503170	A	COV7	649	0.9906	-0.08862	0.9294
5	rs6862039	73503170	A	COV8	649	1.187	1.419	0.156
5	rs6862039	73503170	A	COV9	649	0.8159	-1.569	0.1167
5	rs6862039	73503170	A	COV10	649	1.209	1.502	0.1331
5	rs6862039	73503170	A	COV11	649	0.8214	-0.7858	0.432
5	rs6862039	73503170	A	COV12	649	0.9593	-0.2337	0.8152
5	rs6862039	73503170	A	COV13	649	1.162	1.307	0.1913
5	rs6862039	73503170	A	COV14	649	0.9336	-0.5677	0.5702
7	rs17159702	30919387	C	ADD	730	1.107	0.7106	0.4773
7	rs17159702	30919387	C	COV1	730	0.9681	-0.1602	0.8727
7	rs17159702	30919387	C	COV2	730	1.156	1.197	0.2315
7	rs17159702	30919387	C	COV3	730	1.034	0.1929	0.847
7	rs17159702	30919387	C	COV4	730	0.8259	-0.954	0.3401
7	rs17159702	30919387	C	COV5	730	0.965	-0.4007	0.6887
7	rs17159702	30919387	C	COV6	730	1.007	0.08241	0.9343
7	rs17159702	30919387	C	COV7	730	1.002	0.02352	0.9812
7	rs17159702	30919387	C	COV8	730	1.136	1.088	0.2765
7	rs17159702	30919387	C	COV9	730	0.8706	-1.151	0.2496
7	rs17159702	30919387	C	COV10	730	1.11	0.9119	0.3618
7	rs17159702	30919387	C	COV11	730	0.7799	-1.046	0.2957
7	rs17159702	30919387	C	COV12	730	0.912	-0.5393	0.5897
7	rs17159702	30919387	C	COV13	730	1.203	1.631	0.1028
7	rs17159702	30919387	C	COV14	730	1.016	0.1382	0.8901
7	rs10246939	141972804	C	ADD	659	0.9243	-0.5064	0.6126
7	rs10246939	141972804	C	COV1	659	1.112	0.4797	0.6315
7	rs10246939	141972804	C	COV2	659	1.088	0.6528	0.5139
7	rs10246939	141972804	C	COV3	659	1.12	0.6152	0.5384
7	rs10246939	141972804	C	COV4	659	0.8231	-0.9327	0.351
7	rs10246939	141972804	C	COV5	659	0.9563	-0.475	0.6348
7	rs10246939	141972804	C	COV6	659	0.9767	-0.2604	0.7946
7	rs10246939	141972804	C	COV7	659	0.9508	-0.4521	0.6512
7	rs10246939	141972804	C	COV8	659	1.129	0.9764	0.3289
7	rs10246939	141972804	C	COV9	659	0.844	-1.313	0.1891
7	rs10246939	141972804	C	COV10	659	1.13	0.9944	0.32
7	rs10246939	141972804	C	COV11	659	0.8337	-0.786	0.4318
7	rs10246939	141972804	C	COV12	659	1.003	0.01512	0.9879
7	rs10246939	141972804	C	COV13	659	1.219	1.67	0.095
7	rs10246939	141972804	C	COV14	659	1.051	0.4016	0.688
7	rs1726866	141972905	T	ADD	697	0.9224	-0.5351	0.5926

Table 12. (continued)

7	rs1726866	141972905	T	COV1	697	1.098	0.4401	0.6599
7	rs1726866	141972905	T	COV2	697	1.157	1.173	0.2408
7	rs1726866	141972905	T	COV3	697	1.031	0.1695	0.8654
7	rs1726866	141972905	T	COV4	697	0.8366	-0.8777	0.3801
7	rs1726866	141972905	T	COV5	697	0.9577	-0.4722	0.6368
7	rs1726866	141972905	T	COV6	697	0.985	-0.1735	0.8622
7	rs1726866	141972905	T	COV7	697	1.002	0.01515	0.9879
7	rs1726866	141972905	T	COV8	697	1.132	1.024	0.3059
7	rs1726866	141972905	T	COV9	697	0.8668	-1.159	0.2463
7	rs1726866	141972905	T	COV10	697	1.166	1.302	0.1928
7	rs1726866	141972905	T	COV11	697	0.7749	-1.101	0.2707
7	rs1726866	141972905	T	COV12	697	1.018	0.1065	0.9152
7	rs1726866	141972905	T	COV13	697	1.142	1.161	0.2455
7	rs1726866	141972905	T	COV14	697	0.9718	-0.2434	0.8077
7	rs713598	141973545	G	ADD	673	0.8762	-0.8285	0.4074
7	rs713598	141973545	G	COV1	673	1.027	0.1256	0.9
7	rs713598	141973545	G	COV2	673	1.103	0.7785	0.4363
7	rs713598	141973545	G	COV3	673	1.112	0.5817	0.5608
7	rs713598	141973545	G	COV4	673	0.7734	-1.251	0.2109
7	rs713598	141973545	G	COV5	673	1	0.00299	0.9976
7	rs713598	141973545	G	COV6	673	0.9893	-0.1225	0.9025
7	rs713598	141973545	G	COV7	673	0.9986	-0.01255	0.99
7	rs713598	141973545	G	COV8	673	1.089	0.6859	0.4928
7	rs713598	141973545	G	COV9	673	0.8414	-1.347	0.1779
7	rs713598	141973545	G	COV10	673	1.171	1.31	0.19
7	rs713598	141973545	G	COV11	673	0.8024	-0.9513	0.3415
7	rs713598	141973545	G	COV12	673	0.9102	-0.5144	0.607
7	rs713598	141973545	G	COV13	673	1.249	1.906	0.05668
7	rs713598	141973545	G	COV14	673	0.9459	-0.4669	0.6406
8	rs11362	6877877	G	ADD	578	0.9092	-0.5417	0.588
8	rs11362	6877877	G	COV1	578	0.9092	-0.4106	0.6813
8	rs11362	6877877	G	COV2	578	1.187	1.255	0.2097
8	rs11362	6877877	G	COV3	578	1.098	0.4864	0.6267
8	rs11362	6877877	G	COV4	578	0.757	-1.236	0.2163
8	rs11362	6877877	G	COV5	578	0.8988	-1.047	0.295
8	rs11362	6877877	G	COV6	578	1.065	0.6734	0.5007
8	rs11362	6877877	G	COV7	578	0.9871	-0.1109	0.9117
8	rs11362	6877877	G	COV8	578	1.265	1.78	0.07507
8	rs11362	6877877	G	COV9	578	0.766	-1.834	0.06661
8	rs11362	6877877	G	COV10	578	1.203	1.395	0.1631
8	rs11362	6877877	G	COV11	578	0.8433	-0.5943	0.5523
8	rs11362	6877877	G	COV12	578	0.7908	-1.181	0.2377
8	rs11362	6877877	G	COV13	578	1.329	2.249	0.02452
8	rs11362	6877877	G	COV14	578	0.8577	-1.175	0.2398
8	rs1800972	6877901	C	ADD	347	1.566	1.617	0.106
8	rs1800972	6877901	C	COV1	347	1.667	1.621	0.105
8	rs1800972	6877901	C	COV2	347	1.211	1.023	0.3062
8	rs1800972	6877901	C	COV3	347	0.7471	-1.174	0.2405
8	rs1800972	6877901	C	COV4	347	0.6777	-1.266	0.2056
8	rs1800972	6877901	C	COV5	347	1.116	0.8128	0.4163
8	rs1800972	6877901	C	COV6	347	0.8767	-0.9758	0.3292
8	rs1800972	6877901	C	COV7	347	0.9008	-0.6399	0.5222

Table 12. (continued)

8	rs1800972	6877901	C	COV8	347	1.168	0.867	0.386
8	rs1800972	6877901	C	COV9	347	1.039	0.2119	0.8322
8	rs1800972	6877901	C	COV10	347	1.076	0.4258	0.6703
8	rs1800972	6877901	C	COV11	347	1.177	0.5422	0.5877
8	rs1800972	6877901	C	COV12	347	1.235	0.8566	0.3917
8	rs1800972	6877901	C	COV13	347	1.259	1.354	0.1757
8	rs1800972	6877901	C	COV14	347	0.9459	-0.3155	0.7524
12	rs3741559	49951193	A	ADD	136	1.149	0.3309	0.7407
12	rs3741559	49951193	A	COV1	136	1.359	0.5686	0.5696
12	rs3741559	49951193	A	COV2	136	0.6967	-1.121	0.2623
12	rs3741559	49951193	A	COV3	136	2.064	1.609	0.1075
12	rs3741559	49951193	A	COV4	136	0.8818	-0.2338	0.8152
12	rs3741559	49951193	A	COV5	136	0.836	-0.743	0.4575
12	rs3741559	49951193	A	COV6	136	2.073	2.978	0.002899
12	rs3741559	49951193	A	COV7	136	1.209	0.7433	0.4573
12	rs3741559	49951193	A	COV8	136	1.092	0.2461	0.8056
12	rs3741559	49951193	A	COV9	136	1.152	0.4843	0.6282
12	rs3741559	49951193	A	COV10	136	0.9757	-0.08324	0.9337
12	rs3741559	49951193	A	COV11	136	0.3076	-1.537	0.1243
12	rs3741559	49951193	A	COV12	136	0.3691	-1.642	0.1006
12	rs3741559	49951193	A	COV13	136	1.18	0.4905	0.6238
12	rs3741559	49951193	A	COV14	136	1.12	0.366	0.7144
12	rs461872	49951423	A	ADD	211	1.014	0.04143	0.967
12	rs461872	49951423	A	COV1	211	1.374	0.6996	0.4842
12	rs461872	49951423	A	COV2	211	1.105	0.3439	0.7309
12	rs461872	49951423	A	COV3	211	1.243	0.5305	0.5957
12	rs461872	49951423	A	COV4	211	0.5029	-1.403	0.1606
12	rs461872	49951423	A	COV5	211	0.9421	-0.2963	0.767
12	rs461872	49951423	A	COV6	211	1.007	0.03749	0.9701
12	rs461872	49951423	A	COV7	211	0.7059	-1.27	0.204
12	rs461872	49951423	A	COV8	211	1.712	1.814	0.06971
12	rs461872	49951423	A	COV9	211	1.059	0.19	0.8493
12	rs461872	49951423	A	COV10	211	0.7623	-0.9106	0.3625
12	rs461872	49951423	A	COV11	211	0.6808	-0.7242	0.469
12	rs461872	49951423	A	COV12	211	1.256	0.5071	0.6121
12	rs461872	49951423	A	COV13	211	1.491	1.659	0.09712
12	rs461872	49951423	A	COV14	211	1.105	0.3651	0.715
12	rs461872	49951423	A	ADD	163	0.7636	-0.7538	0.451
12	rs461872	49951423	A	COV1	163	0.9687	-0.0612	0.9512
12	rs461872	49951423	A	COV2	163	0.7168	-1.028	0.304
12	rs461872	49951423	A	COV3	163	2.262	1.719	0.08568
12	rs461872	49951423	A	COV4	163	0.261	-2.453	0.01418
12	rs461872	49951423	A	COV5	163	1.252	1.099	0.2716
12	rs461872	49951423	A	COV6	163	0.7769	-1.105	0.2691
12	rs461872	49951423	A	COV7	163	0.9249	-0.2586	0.7959
12	rs461872	49951423	A	COV8	163	1.725	1.789	0.0736
12	rs461872	49951423	A	COV9	163	1.196	0.5895	0.5555
12	rs461872	49951423	A	COV10	163	0.7654	-0.8754	0.3814
12	rs461872	49951423	A	COV11	163	0.4678	-1.184	0.2363
12	rs461872	49951423	A	COV12	163	1.795	1.159	0.2465
12	rs461872	49951423	A	COV13	163	1.394	1.318	0.1877
12	rs461872	49951423	A	COV14	163	0.9574	-0.1518	0.8794

Table 12. (continued)

12	rs467323	49955982	A	ADD	322	0.8507	-0.4709	0.6377
12	rs467323	49955982	A	COV1	322	0.6916	-1.199	0.2306
12	rs467323	49955982	A	COV2	322	1.089	0.4846	0.628
12	rs467323	49955982	A	COV3	322	1.125	0.4682	0.6396
12	rs467323	49955982	A	COV4	322	1.037	0.1282	0.898
12	rs467323	49955982	A	COV5	322	0.7862	-1.817	0.06918
12	rs467323	49955982	A	COV6	322	1.082	0.6515	0.5147
12	rs467323	49955982	A	COV7	322	1.085	0.5505	0.5819
12	rs467323	49955982	A	COV8	322	1.148	0.79	0.4295
12	rs467323	49955982	A	COV9	322	0.7547	-1.531	0.1257
12	rs467323	49955982	A	COV10	322	1.211	1.111	0.2665
12	rs467323	49955982	A	COV11	322	0.9741	-0.06819	0.9456
12	rs467323	49955982	A	COV12	322	0.6924	-1.314	0.1888
12	rs467323	49955982	A	COV13	322	1.18	0.9993	0.3176
12	rs467323	49955982	A	COV14	322	1.074	0.4226	0.6726
12	rs2878771	49958610	C	ADD	742	0.8681	-0.7994	0.4241
12	rs2878771	49958610	C	COV1	742	1.024	0.1189	0.9053
12	rs2878771	49958610	C	COV2	742	1.125	0.9865	0.3239
12	rs2878771	49958610	C	COV3	742	0.9892	-0.0644	0.9486
12	rs2878771	49958610	C	COV4	742	0.8492	-0.8204	0.412
12	rs2878771	49958610	C	COV5	742	0.9704	-0.3408	0.7333
12	rs2878771	49958610	C	COV6	742	1.003	0.03458	0.9724
12	rs2878771	49958610	C	COV7	742	0.997	-0.02949	0.9765
12	rs2878771	49958610	C	COV8	742	1.08	0.6468	0.5178
12	rs2878771	49958610	C	COV9	742	0.872	-1.15	0.25
12	rs2878771	49958610	C	COV10	742	1.156	1.277	0.2016
12	rs2878771	49958610	C	COV11	742	0.8416	-0.7881	0.4306
12	rs2878771	49958610	C	COV12	742	0.9828	-0.1023	0.9185
12	rs2878771	49958610	C	COV13	742	1.181	1.501	0.1332
12	rs2878771	49958610	C	COV14	742	0.9494	-0.4558	0.6486
12	rs3736309	49964271	G	ADD	618	1.027	0.1401	0.8886
12	rs3736309	49964271	G	COV1	618	0.9049	-0.4502	0.6526
12	rs3736309	49964271	G	COV2	618	1.246	1.646	0.09981
12	rs3736309	49964271	G	COV3	618	0.8697	-0.7745	0.4386
12	rs3736309	49964271	G	COV4	618	0.7973	-1.041	0.298
12	rs3736309	49964271	G	COV5	618	0.9946	-0.0559	0.9554
12	rs3736309	49964271	G	COV6	618	0.9983	-0.01857	0.9852
12	rs3736309	49964271	G	COV7	618	0.9446	-0.4949	0.6207
12	rs3736309	49964271	G	COV8	618	1.11	0.8251	0.4093
12	rs3736309	49964271	G	COV9	618	0.9344	-0.5151	0.6065
12	rs3736309	49964271	G	COV10	618	1.099	0.7403	0.4591
12	rs3736309	49964271	G	COV11	618	0.7618	-1.11	0.2669
12	rs3736309	49964271	G	COV12	618	1.104	0.5347	0.5929
12	rs3736309	49964271	G	COV13	618	1.263	1.938	0.05257
12	rs3736309	49964271	G	COV14	618	0.9961	-0.03127	0.9751
12	rs296763	49969231	C	ADD	723	1.132	0.7383	0.4603
12	rs296763	49969231	C	COV1	723	1.051	0.2452	0.8063
12	rs296763	49969231	C	COV2	723	1.135	1.049	0.294
12	rs296763	49969231	C	COV3	723	1.07	0.3953	0.6926
12	rs296763	49969231	C	COV4	723	0.823	-0.9799	0.3271
12	rs296763	49969231	C	COV5	723	0.9594	-0.4687	0.6393
12	rs296763	49969231	C	COV6	723	1.004	0.05008	0.9601

Table 12. (continued)

12	rs296763	49969231	C	COV7	723	0.9878	-0.1212	0.9035
12	rs296763	49969231	C	COV8	723	1.117	0.9491	0.3426
12	rs296763	49969231	C	COV9	723	0.8405	-1.431	0.1525
12	rs296763	49969231	C	COV10	723	1.127	1.056	0.2908
12	rs296763	49969231	C	COV11	723	0.8107	-0.9466	0.3438
12	rs296763	49969231	C	COV12	723	0.9388	-0.3723	0.7097
12	rs296763	49969231	C	COV13	723	1.208	1.703	0.08864
12	rs296763	49969231	C	COV14	723	0.9795	-0.1818	0.8557
12	rs1996315	49970924	G	ADD	753	1.016	0.1178	0.9062
12	rs1996315	49970924	G	COV1	753	1.015	0.07181	0.9428
12	rs1996315	49970924	G	COV2	753	1.135	1.06	0.2891
12	rs1996315	49970924	G	COV3	753	1.036	0.2054	0.8373
12	rs1996315	49970924	G	COV4	753	0.8355	-0.9163	0.3595
12	rs1996315	49970924	G	COV5	753	0.9379	-0.7226	0.4699
12	rs1996315	49970924	G	COV6	753	1.003	0.03524	0.9719
12	rs1996315	49970924	G	COV7	753	1.003	0.03026	0.9759
12	rs1996315	49970924	G	COV8	753	1.124	1.004	0.3152
12	rs1996315	49970924	G	COV9	753	0.8781	-1.073	0.2834
12	rs1996315	49970924	G	COV10	753	1.117	0.9565	0.3388
12	rs1996315	49970924	G	COV11	753	0.8209	-0.8935	0.3716
12	rs1996315	49970924	G	COV12	753	0.916	-0.517	0.6052
12	rs1996315	49970924	G	COV13	753	1.215	1.768	0.07698
12	rs1996315	49970924	G	COV14	753	0.9923	-0.06754	0.9462
14	rs1997532	21729203	C	ADD	703	1.099	0.6059	0.5446
14	rs1997532	21729203	C	COV1	703	1.019	0.08894	0.9291
14	rs1997532	21729203	C	COV2	703	1.182	1.342	0.1795
14	rs1997532	21729203	C	COV3	703	1.024	0.1346	0.8929
14	rs1997532	21729203	C	COV4	703	0.7984	-1.099	0.2718
14	rs1997532	21729203	C	COV5	703	0.9224	-0.8884	0.3743
14	rs1997532	21729203	C	COV6	703	0.9736	-0.3071	0.7588
14	rs1997532	21729203	C	COV7	703	1.006	0.05297	0.9578
14	rs1997532	21729203	C	COV8	703	1.21	1.587	0.1126
14	rs1997532	21729203	C	COV9	703	0.8158	-1.627	0.1037
14	rs1997532	21729203	C	COV10	703	1.145	1.156	0.2478
14	rs1997532	21729203	C	COV11	703	0.7837	-1.075	0.2824
14	rs1997532	21729203	C	COV12	703	0.9902	-0.05676	0.9547
14	rs1997532	21729203	C	COV13	703	1.237	1.865	0.06215
14	rs1997532	21729203	C	COV14	703	0.958	-0.3665	0.714
14	rs1997533	21729284	C	ADD	559	1.002	0.01048	0.9916
14	rs1997533	21729284	C	COV1	559	0.7678	-1.11	0.2668
14	rs1997533	21729284	C	COV2	559	1.216	1.457	0.1451
14	rs1997533	21729284	C	COV3	559	0.922	-0.4017	0.6879
14	rs1997533	21729284	C	COV4	559	1.021	0.08876	0.9293
14	rs1997533	21729284	C	COV5	559	0.8991	-1.046	0.2956
14	rs1997533	21729284	C	COV6	559	1.04	0.4168	0.6769
14	rs1997533	21729284	C	COV7	559	1.036	0.3086	0.7576
14	rs1997533	21729284	C	COV8	559	1.316	2.179	0.02933
14	rs1997533	21729284	C	COV9	559	0.8134	-1.428	0.1533
14	rs1997533	21729284	C	COV10	559	1.152	1.068	0.2855
14	rs1997533	21729284	C	COV11	559	0.8826	-0.488	0.6255
14	rs1997533	21729284	C	COV12	559	0.9387	-0.3435	0.7312
14	rs1997533	21729284	C	COV13	559	1.172	1.276	0.2021

Table 12. (continued)

14	rs1997533	21729284	C	COV14	559	1.027	0.2051	0.8375
14	rs7150049	21733607	G	ADD	682	1.066	0.4618	0.6442
14	rs7150049	21733607	G	COV1	682	0.902	-0.4898	0.6243
14	rs7150049	21733607	G	COV2	682	1.165	1.245	0.213
14	rs7150049	21733607	G	COV3	682	1.013	0.07305	0.9418
14	rs7150049	21733607	G	COV4	682	0.8342	-0.8787	0.3796
14	rs7150049	21733607	G	COV5	682	0.9544	-0.5074	0.6119
14	rs7150049	21733607	G	COV6	682	0.9963	-0.04308	0.9656
14	rs7150049	21733607	G	COV7	682	1.017	0.1608	0.8723
14	rs7150049	21733607	G	COV8	682	1.146	1.167	0.2431
14	rs7150049	21733607	G	COV9	682	0.8239	-1.543	0.1228
14	rs7150049	21733607	G	COV10	682	1.192	1.49	0.1362
14	rs7150049	21733607	G	COV11	682	0.7543	-1.169	0.2426
14	rs7150049	21733607	G	COV12	682	0.9029	-0.5785	0.5629
14	rs7150049	21733607	G	COV13	682	1.304	2.313	0.02074
14	rs7150049	21733607	G	COV14	682	0.9708	-0.2522	0.8009
14	rs8011979	21733619	T	ADD	645	1.112	0.6436	0.5198
14	rs8011979	21733619	T	COV1	645	0.9427	-0.2677	0.7889
14	rs8011979	21733619	T	COV2	645	1.207	1.459	0.1445
14	rs8011979	21733619	T	COV3	645	0.9808	-0.1058	0.9157
14	rs8011979	21733619	T	COV4	645	0.9756	-0.1146	0.9088
14	rs8011979	21733619	T	COV5	645	0.9768	-0.2491	0.8033
14	rs8011979	21733619	T	COV6	645	0.9444	-0.625	0.532
14	rs8011979	21733619	T	COV7	645	0.9699	-0.2786	0.7806
14	rs8011979	21733619	T	COV8	645	1.22	1.597	0.1102
14	rs8011979	21733619	T	COV9	645	0.8072	-1.645	0.09991
14	rs8011979	21733619	T	COV10	645	1.173	1.297	0.1948
14	rs8011979	21733619	T	COV11	645	0.7345	-1.294	0.1958
14	rs8011979	21733619	T	COV12	645	0.9456	-0.3159	0.7521
14	rs8011979	21733619	T	COV13	645	1.317	2.364	0.01808
14	rs8011979	21733619	T	COV14	645	0.9076	-0.7901	0.4295
14	rs4903399	76308859	T	ADD	690	0.835	-0.9645	0.3348
14	rs4903399	76308859	T	COV1	690	1.02	0.09714	0.9226
14	rs4903399	76308859	T	COV2	690	1.114	0.8826	0.3775
14	rs4903399	76308859	T	COV3	690	0.972	-0.1598	0.8731
14	rs4903399	76308859	T	COV4	690	0.8953	-0.544	0.5865
14	rs4903399	76308859	T	COV5	690	0.9449	-0.6243	0.5325
14	rs4903399	76308859	T	COV6	690	0.9879	-0.1421	0.887
14	rs4903399	76308859	T	COV7	690	0.9908	-0.08957	0.9286
14	rs4903399	76308859	T	COV8	690	1.153	1.214	0.2248
14	rs4903399	76308859	T	COV9	690	0.8628	-1.213	0.2252
14	rs4903399	76308859	T	COV10	690	1.145	1.151	0.2496
14	rs4903399	76308859	T	COV11	690	0.813	-0.9158	0.3598
14	rs4903399	76308859	T	COV12	690	0.9677	-0.1946	0.8457
14	rs4903399	76308859	T	COV13	690	1.238	1.904	0.05691
14	rs4903399	76308859	T	COV14	690	0.9826	-0.151	0.88
14	rs6574293	76404257	A	ADD	675	1.116	0.4922	0.6225
14	rs6574293	76404257	A	COV1	675	0.9657	-0.1654	0.8687
14	rs6574293	76404257	A	COV2	675	1.204	1.517	0.1294
14	rs6574293	76404257	A	COV3	675	0.9791	-0.1201	0.9044
14	rs6574293	76404257	A	COV4	675	0.8562	-0.7694	0.4416
14	rs6574293	76404257	A	COV5	675	0.9622	-0.4165	0.677

Table 12. (continued)

14	rs6574293	76404257	A	COV6	675	1.029	0.3256	0.7448
14	rs6574293	76404257	A	COV7	675	1.05	0.47	0.6383
14	rs6574293	76404257	A	COV8	675	1.039	0.3068	0.759
14	rs6574293	76404257	A	COV9	675	0.8432	-1.357	0.1746
14	rs6574293	76404257	A	COV10	675	1.158	1.225	0.2207
14	rs6574293	76404257	A	COV11	675	0.7664	-1.161	0.2458
14	rs6574293	76404257	A	COV12	675	0.9399	-0.3577	0.7205
14	rs6574293	76404257	A	COV13	675	1.252	1.96	0.05004
14	rs6574293	76404257	A	COV14	675	0.9755	-0.2113	0.8326
14	rs10132091	76404475	C	ADD	695	1.1	0.6503	0.5155
14	rs10132091	76404475	C	COV1	695	0.8764	-0.6201	0.5352
14	rs10132091	76404475	C	COV2	695	1.164	1.221	0.2222
14	rs10132091	76404475	C	COV3	695	1.022	0.1209	0.9038
14	rs10132091	76404475	C	COV4	695	0.8246	-0.9253	0.3548
14	rs10132091	76404475	C	COV5	695	1.021	0.2252	0.8218
14	rs10132091	76404475	C	COV6	695	0.99	-0.114	0.9092
14	rs10132091	76404475	C	COV7	695	0.966	-0.3224	0.7472
14	rs10132091	76404475	C	COV8	695	1.19	1.468	0.142
14	rs10132091	76404475	C	COV9	695	0.7817	-1.861	0.06278
14	rs10132091	76404475	C	COV10	695	1.161	1.228	0.2194
14	rs10132091	76404475	C	COV11	695	0.9565	-0.194	0.8462
14	rs10132091	76404475	C	COV12	695	0.9339	-0.3919	0.6951
14	rs10132091	76404475	C	COV13	695	1.213	1.683	0.09237
14	rs10132091	76404475	C	COV14	695	0.922	-0.6869	0.4922
14	rs1077430	76431334	A	ADD	621	1.012	0.07328	0.9416
14	rs1077430	76431334	A	COV1	621	0.9577	-0.1965	0.8442
14	rs1077430	76431334	A	COV2	621	1.226	1.585	0.113
14	rs1077430	76431334	A	COV3	621	1.031	0.1653	0.8687
14	rs1077430	76431334	A	COV4	621	0.8585	-0.7019	0.4827
14	rs1077430	76431334	A	COV5	621	0.9462	-0.5822	0.5605
14	rs1077430	76431334	A	COV6	621	1.009	0.1017	0.919
14	rs1077430	76431334	A	COV7	621	0.9605	-0.3632	0.7164
14	rs1077430	76431334	A	COV8	621	1.172	1.305	0.1918
14	rs1077430	76431334	A	COV9	621	0.8272	-1.462	0.1438
14	rs1077430	76431334	A	COV10	621	1.222	1.624	0.1044
14	rs1077430	76431334	A	COV11	621	0.7461	-1.153	0.249
14	rs1077430	76431334	A	COV12	621	0.8478	-0.8923	0.3723
14	rs1077430	76431334	A	COV13	621	1.315	2.326	0.01999
14	rs1077430	76431334	A	COV14	621	0.8841	-1.001	0.3167
14	rs745011	76450932	C	ADD	673	1.134	0.9188	0.3582
14	rs745011	76450932	C	COV1	673	0.9624	-0.1802	0.857
14	rs745011	76450932	C	COV2	673	1.217	1.573	0.1157
14	rs745011	76450932	C	COV3	673	1.026	0.1444	0.8852
14	rs745011	76450932	C	COV4	673	0.8394	-0.8481	0.3964
14	rs745011	76450932	C	COV5	673	0.9736	-0.2922	0.7701
14	rs745011	76450932	C	COV6	673	1.004	0.04902	0.9609
14	rs745011	76450932	C	COV7	673	1.011	0.1045	0.9167
14	rs745011	76450932	C	COV8	673	1.21	1.577	0.1149
14	rs745011	76450932	C	COV9	673	0.8648	-1.162	0.2452
14	rs745011	76450932	C	COV10	673	1.181	1.395	0.1632
14	rs745011	76450932	C	COV11	673	0.6958	-1.5	0.1337
14	rs745011	76450932	C	COV12	673	0.8814	-0.7194	0.4719

Table 12. (continued)

14	rs745011	76450932	C	COV13	673	1.189	1.505	0.1324
14	rs745011	76450932	C	COV14	673	1.013	0.1074	0.9145
14	rs1676303	76525821	C	ADD	710	0.827	-0.8352	0.4036
14	rs1676303	76525821	C	COV1	710	0.9901	-0.04787	0.9618
14	rs1676303	76525821	C	COV2	710	1.188	1.404	0.1603
14	rs1676303	76525821	C	COV3	710	1.012	0.06584	0.9475
14	rs1676303	76525821	C	COV4	710	0.8676	-0.6987	0.4848
14	rs1676303	76525821	C	COV5	710	0.973	-0.3049	0.7604
14	rs1676303	76525821	C	COV6	710	0.9794	-0.239	0.8111
14	rs1676303	76525821	C	COV7	710	0.996	-0.03904	0.9689
14	rs1676303	76525821	C	COV8	710	1.115	0.9239	0.3555
14	rs1676303	76525821	C	COV9	710	0.8338	-1.473	0.1407
14	rs1676303	76525821	C	COV10	710	1.158	1.244	0.2137
14	rs1676303	76525821	C	COV11	710	0.8625	-0.6623	0.5078
14	rs1676303	76525821	C	COV12	710	0.9241	-0.4622	0.6439
14	rs1676303	76525821	C	COV13	710	1.217	1.751	0.0799
14	rs1676303	76525821	C	COV14	710	0.9528	-0.4192	0.6751
14	rs2860216	76539665	C	ADD	653	1.156	0.8933	0.3717
14	rs2860216	76539665	C	COV1	653	0.946	-0.2603	0.7947
14	rs2860216	76539665	C	COV2	653	1.096	0.7217	0.4705
14	rs2860216	76539665	C	COV3	653	0.9739	-0.1436	0.8858
14	rs2860216	76539665	C	COV4	653	0.9613	-0.1874	0.8513
14	rs2860216	76539665	C	COV5	653	0.9454	-0.6017	0.5474
14	rs2860216	76539665	C	COV6	653	0.9852	-0.1673	0.8672
14	rs2860216	76539665	C	COV7	653	1.031	0.2864	0.7746
14	rs2860216	76539665	C	COV8	653	1.193	1.468	0.142
14	rs2860216	76539665	C	COV9	653	0.8446	-1.318	0.1874
14	rs2860216	76539665	C	COV10	653	1.1	0.7951	0.4266
14	rs2860216	76539665	C	COV11	653	0.7792	-1.077	0.2815
14	rs2860216	76539665	C	COV12	653	0.9595	-0.2296	0.8184
14	rs2860216	76539665	C	COV13	653	1.183	1.433	0.1518
14	rs2860216	76539665	C	COV14	653	0.9488	-0.438	0.6614
17	rs2619112	4632090	A	ADD	700	1.091	0.5774	0.5637
17	rs2619112	4632090	A	COV1	700	0.9781	-0.1055	0.916
17	rs2619112	4632090	A	COV2	700	1.149	1.127	0.2597
17	rs2619112	4632090	A	COV3	700	1.052	0.2784	0.7807
17	rs2619112	4632090	A	COV4	700	0.7878	-1.131	0.2579
17	rs2619112	4632090	A	COV5	700	1.001	0.005883	0.9953
17	rs2619112	4632090	A	COV6	700	1.015	0.165	0.8689
17	rs2619112	4632090	A	COV7	700	1.002	0.01887	0.9849
17	rs2619112	4632090	A	COV8	700	1.135	1.043	0.297
17	rs2619112	4632090	A	COV9	700	0.8385	-1.423	0.1548
17	rs2619112	4632090	A	COV10	700	1.148	1.168	0.243
17	rs2619112	4632090	A	COV11	700	0.7834	-1.025	0.3053
17	rs2619112	4632090	A	COV12	700	0.9164	-0.4901	0.6241
17	rs2619112	4632090	A	COV13	700	1.17	1.378	0.1681
17	rs2619112	4632090	A	COV14	700	0.9769	-0.1952	0.8453
17	rs7217186	4636097	C	ADD	232	0.8555	-0.4791	0.6318
17	rs7217186	4636097	C	COV1	232	2.504	1.894	0.0582
17	rs7217186	4636097	C	COV2	232	1.293	0.9481	0.3431
17	rs7217186	4636097	C	COV3	232	0.9741	-0.06876	0.9452
17	rs7217186	4636097	C	COV4	232	0.6036	-1.1	0.2714

Table 12. (continued)

17	rs7217186	4636097	C	COV5	232	0.9298	-0.396	0.6921
17	rs7217186	4636097	C	COV6	232	1.032	0.1635	0.8701
17	rs7217186	4636097	C	COV7	232	0.8587	-0.6309	0.5281
17	rs7217186	4636097	C	COV8	232	1.209	0.7317	0.4644
17	rs7217186	4636097	C	COV9	232	0.7394	-1.014	0.3106
17	rs7217186	4636097	C	COV10	232	1.071	0.2638	0.7919
17	rs7217186	4636097	C	COV11	232	0.7255	-0.757	0.4491
17	rs7217186	4636097	C	COV12	232	1.529	1.184	0.2362
17	rs7217186	4636097	C	COV13	232	1.659	2.09	0.03664
17	rs7217186	4636097	C	COV14	232	1.323	1.128	0.2594
19	rs2235091	50907215	C	ADD	705	0.8958	-0.6742	0.5002
19	rs2235091	50907215	C	COV1	705	1.011	0.05288	0.9578
19	rs2235091	50907215	C	COV2	705	1.184	1.398	0.1622
19	rs2235091	50907215	C	COV3	705	0.9751	-0.1418	0.8872
19	rs2235091	50907215	C	COV4	705	0.8353	-0.8871	0.375
19	rs2235091	50907215	C	COV5	705	0.9821	-0.2006	0.841
19	rs2235091	50907215	C	COV6	705	1.031	0.3606	0.7184
19	rs2235091	50907215	C	COV7	705	0.9552	-0.4343	0.6641
19	rs2235091	50907215	C	COV8	705	1.175	1.34	0.1802
19	rs2235091	50907215	C	COV9	705	0.8234	-1.565	0.1175
19	rs2235091	50907215	C	COV10	705	1.172	1.356	0.1752
19	rs2235091	50907215	C	COV11	705	0.787	-1.009	0.3129
19	rs2235091	50907215	C	COV12	705	0.9894	-0.06369	0.9492
19	rs2235091	50907215	C	COV13	705	1.168	1.394	0.1633
19	rs2235091	50907215	C	COV14	705	0.9866	-0.116	0.9076
19	rs198968	50910072	A	ADD	637	1.097	0.5072	0.612
19	rs198968	50910072	A	COV1	637	0.8947	-0.5024	0.6154
19	rs198968	50910072	A	COV2	637	1.07	0.5187	0.6039
19	rs198968	50910072	A	COV3	637	0.9726	-0.1491	0.8814
19	rs198968	50910072	A	COV4	637	0.9738	-0.1219	0.903
19	rs198968	50910072	A	COV5	637	0.9363	-0.6838	0.4941
19	rs198968	50910072	A	COV6	637	0.9801	-0.2184	0.8271
19	rs198968	50910072	A	COV7	637	0.9529	-0.4286	0.6682
19	rs198968	50910072	A	COV8	637	1.224	1.585	0.113
19	rs198968	50910072	A	COV9	637	0.8452	-1.269	0.2045
19	rs198968	50910072	A	COV10	637	1.138	1.053	0.2922
19	rs198968	50910072	A	COV11	637	0.812	-0.8222	0.411
19	rs198968	50910072	A	COV12	637	0.9439	-0.3102	0.7564
19	rs198968	50910072	A	COV13	637	1.183	1.4	0.1616
19	rs198968	50910072	A	COV14	637	1.018	0.1421	0.887
22	rs5997096	12345610	T	ADD	592	0.714	-2.108	0.03503
22	rs5997096	12345610	T	COV1	592	0.9753	-0.1108	0.9118
22	rs5997096	12345610	T	COV2	592	1.137	0.9693	0.3324
22	rs5997096	12345610	T	COV3	592	1.01	0.05075	0.9595
22	rs5997096	12345610	T	COV4	592	0.8892	-0.5127	0.6082
22	rs5997096	12345610	T	COV5	592	1.05	0.4837	0.6286
22	rs5997096	12345610	T	COV6	592	1.016	0.1733	0.8624
22	rs5997096	12345610	T	COV7	592	1.016	0.1345	0.893
22	rs5997096	12345610	T	COV8	592	1.059	0.4288	0.6681
22	rs5997096	12345610	T	COV9	592	0.8639	-1.1	0.2715
22	rs5997096	12345610	T	COV10	592	1.118	0.8809	0.3784
22	rs5997096	12345610	T	COV11	592	0.7504	-1.112	0.2662

Table 12. (continued)

22	rs5997096	12345610	T	COV12	592	0.9472	-0.2714	0.7861
22	rs5997096	12345610	T	COV13	592	1.169	1.226	0.2203
22	rs5997096	12345610	T	COV14	592	0.8939	-0.8794	0.3792
23	rs946252	123456	T	ADD	601	NA	NA	NA
23	rs946252	123456	T	SEX	601	NA	NA	NA
23	rs946252	123456	T	COV1	601	NA	NA	NA
23	rs946252	123456	T	COV2	601	NA	NA	NA
23	rs946252	123456	T	COV3	601	NA	NA	NA
23	rs946252	123456	T	COV4	601	NA	NA	NA
23	rs946252	123456	T	COV5	601	NA	NA	NA
23	rs946252	123456	T	COV6	601	NA	NA	NA
23	rs946252	123456	T	COV7	601	NA	NA	NA
23	rs946252	123456	T	COV8	601	NA	NA	NA
23	rs946252	123456	T	COV9	601	NA	NA	NA
23	rs946252	123456	T	COV10	601	NA	NA	NA
23	rs946252	123456	T	COV11	601	NA	NA	NA
23	rs946252	123456	T	COV12	601	NA	NA	NA
23	rs946252	123456	T	COV13	601	NA	NA	NA
23	rs946252	123456	T	COV14	601	NA	NA	NA
No Primary Caries vs. High Primary Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	555	0.9431	-0.2483	0.8039
1	rs7526319	1234567	T	COV1	555	0.7438	-1.111	0.2667
1	rs7526319	1234567	T	COV2	555	1.021	0.1341	0.8933
1	rs7526319	1234567	T	COV3	555	0.8383	-0.789	0.4301
1	rs7526319	1234567	T	COV4	555	0.9779	-0.08124	0.9353
1	rs7526319	1234567	T	COV5	555	1.154	1.205	0.2282
1	rs7526319	1234567	T	COV6	555	0.8641	-1.274	0.2026
1	rs7526319	1234567	T	COV7	555	1.157	1.075	0.2823
1	rs7526319	1234567	T	COV8	555	0.8471	-0.9039	0.366
1	rs7526319	1234567	T	COV9	555	0.9959	-0.02664	0.9787
1	rs7526319	1234567	T	COV10	555	0.9924	-0.05043	0.9598
1	rs7526319	1234567	T	COV11	555	1.35	1.201	0.2297
1	rs7526319	1234567	T	COV12	555	0.8712	-0.6085	0.5429
1	rs7526319	1234567	T	COV13	555	1.084	0.5259	0.5989
1	rs7526319	1234567	T	COV14	555	0.9089	-0.6161	0.5378
1	rs9701796	18859635	G	ADD	719	0.9519	-0.2673	0.7892
1	rs9701796	18859635	G	COV1	719	0.9159	-0.3926	0.6946
1	rs9701796	18859635	G	COV2	719	1.063	0.4559	0.6484
1	rs9701796	18859635	G	COV3	719	1.021	0.1099	0.9125
1	rs9701796	18859635	G	COV4	719	0.9812	-0.0857	0.9317
1	rs9701796	18859635	G	COV5	719	1.136	1.306	0.1915
1	rs9701796	18859635	G	COV6	719	0.9869	-0.1446	0.885
1	rs9701796	18859635	G	COV7	719	1.068	0.5917	0.5541
1	rs9701796	18859635	G	COV8	719	0.7691	-1.636	0.1018
1	rs9701796	18859635	G	COV9	719	0.9065	-0.7293	0.4658
1	rs9701796	18859635	G	COV10	719	0.8941	-0.8358	0.4033
1	rs9701796	18859635	G	COV11	719	1.542	2.09	0.03659
1	rs9701796	18859635	G	COV12	719	0.8785	-0.7027	0.4822
1	rs9701796	18859635	G	COV13	719	1.067	0.5177	0.6046
1	rs9701796	18859635	G	COV14	719	0.7432	-2.264	0.02355

Table 12. (continued)

4	rs4694075	1234568	T	ADD	577	1.152	0.7594	0.4476
4	rs4694075	1234568	T	COV1	577	0.909	-0.3639	0.7159
4	rs4694075	1234568	T	COV2	577	0.9617	-0.2484	0.8038
4	rs4694075	1234568	T	COV3	577	0.822	-0.8491	0.3958
4	rs4694075	1234568	T	COV4	577	1.097	0.3318	0.74
4	rs4694075	1234568	T	COV5	577	1.139	1.12	0.2628
4	rs4694075	1234568	T	COV6	577	0.8627	-1.309	0.1904
4	rs4694075	1234568	T	COV7	577	1.148	1.038	0.2991
4	rs4694075	1234568	T	COV8	577	0.8332	-0.9955	0.3195
4	rs4694075	1234568	T	COV9	577	0.8561	-0.9933	0.3206
4	rs4694075	1234568	T	COV10	577	1.023	0.153	0.8784
4	rs4694075	1234568	T	COV11	577	1.461	1.609	0.1076
4	rs4694075	1234568	T	COV12	577	0.9969	-0.0143	0.9886
4	rs4694075	1234568	T	COV13	577	1.138	0.855	0.3925
4	rs4694075	1234568	T	COV14	577	0.8175	-1.313	0.1893
4	rs12640848	1234569	A	ADD	567	0.8575	-0.9343	0.3501
4	rs12640848	1234569	A	COV1	567	0.9184	-0.3228	0.7469
4	rs12640848	1234569	A	COV2	567	0.9056	-0.6266	0.5309
4	rs12640848	1234569	A	COV3	567	0.836	-0.8004	0.4235
4	rs12640848	1234569	A	COV4	567	0.9876	-0.04464	0.9644
4	rs12640848	1234569	A	COV5	567	1.202	1.555	0.12
4	rs12640848	1234569	A	COV6	567	0.9126	-0.8061	0.4202
4	rs12640848	1234569	A	COV7	567	1.089	0.6248	0.5321
4	rs12640848	1234569	A	COV8	567	0.8187	-1.077	0.2814
4	rs12640848	1234569	A	COV9	567	0.9753	-0.1643	0.8695
4	rs12640848	1234569	A	COV10	567	0.9833	-0.1102	0.9123
4	rs12640848	1234569	A	COV11	567	1.488	1.654	0.09806
4	rs12640848	1234569	A	COV12	567	0.9824	-0.08191	0.9347
4	rs12640848	1234569	A	COV13	567	1.088	0.541	0.5885
4	rs12640848	1234569	A	COV14	567	0.7938	-1.484	0.1377
5	rs375129	4952722	T	ADD	615	1.067	0.4165	0.677
5	rs375129	4952722	T	COV1	615	0.8964	-0.4485	0.6538
5	rs375129	4952722	T	COV2	615	0.9803	-0.136	0.8918
5	rs375129	4952722	T	COV3	615	1.033	0.1593	0.8734
5	rs375129	4952722	T	COV4	615	0.8218	-0.8198	0.4123
5	rs375129	4952722	T	COV5	615	1.187	1.626	0.1039
5	rs375129	4952722	T	COV6	615	1.052	0.5209	0.6024
5	rs375129	4952722	T	COV7	615	1.095	0.729	0.466
5	rs375129	4952722	T	COV8	615	0.7571	-1.585	0.113
5	rs375129	4952722	T	COV9	615	0.8707	-0.9568	0.3386
5	rs375129	4952722	T	COV10	615	0.9952	-0.03416	0.9728
5	rs375129	4952722	T	COV11	615	1.533	1.904	0.05697
5	rs375129	4952722	T	COV12	615	0.8476	-0.8526	0.3939
5	rs375129	4952722	T	COV13	615	1.1	0.7143	0.475
5	rs375129	4952722	T	COV14	615	0.744	-2.079	0.03759
5	rs27565	60541764	A	ADD	415	1.175	0.7784	0.4363
5	rs27565	60541764	A	COV1	415	0.9967	-0.01116	0.9911
5	rs27565	60541764	A	COV2	415	1.015	0.089	0.9291
5	rs27565	60541764	A	COV3	415	0.8791	-0.5331	0.594
5	rs27565	60541764	A	COV4	415	0.9755	-0.08054	0.9358
5	rs27565	60541764	A	COV5	415	1.342	2.397	0.01652
5	rs27565	60541764	A	COV6	415	0.9218	-0.6932	0.4882

Table 12. (continued)

5	rs27565	60541764	A	COV7	415	1.147	1.005	0.3148
5	rs27565	60541764	A	COV8	415	0.8667	-0.7494	0.4536
5	rs27565	60541764	A	COV9	415	0.7746	-1.455	0.1456
5	rs27565	60541764	A	COV10	415	1.053	0.3271	0.7436
5	rs27565	60541764	A	COV11	415	1.578	1.71	0.08732
5	rs27565	60541764	A	COV12	415	0.9783	-0.1011	0.9195
5	rs27565	60541764	A	COV13	415	1.166	1.017	0.3091
5	rs27565	60541764	A	COV14	415	0.7485	-1.747	0.08071
5	rs6862039	73503170	A	ADD	625	0.7831	-0.8356	0.4034
5	rs6862039	73503170	A	COV1	625	0.8319	-0.776	0.4378
5	rs6862039	73503170	A	COV2	625	1.07	0.4923	0.6225
5	rs6862039	73503170	A	COV3	625	0.925	-0.3794	0.7044
5	rs6862039	73503170	A	COV4	625	1.066	0.2672	0.7893
5	rs6862039	73503170	A	COV5	625	1.141	1.297	0.1948
5	rs6862039	73503170	A	COV6	625	0.9691	-0.3251	0.7451
5	rs6862039	73503170	A	COV7	625	1.085	0.7073	0.4794
5	rs6862039	73503170	A	COV8	625	0.9038	-0.6391	0.5228
5	rs6862039	73503170	A	COV9	625	0.8896	-0.8183	0.4132
5	rs6862039	73503170	A	COV10	625	1.029	0.2048	0.8377
5	rs6862039	73503170	A	COV11	625	1.403	1.448	0.1475
5	rs6862039	73503170	A	COV12	625	0.8543	-0.8001	0.4237
5	rs6862039	73503170	A	COV13	625	1.015	0.1118	0.911
5	rs6862039	73503170	A	COV14	625	0.8173	-1.472	0.141
7	rs17159702	30919387	C	ADD	707	1.194	1.141	0.2538
7	rs17159702	30919387	C	COV1	707	0.9704	-0.1345	0.893
7	rs17159702	30919387	C	COV2	707	1.001	0.006613	0.9947
7	rs17159702	30919387	C	COV3	707	1.036	0.1815	0.8559
7	rs17159702	30919387	C	COV4	707	1.05	0.2169	0.8283
7	rs17159702	30919387	C	COV5	707	1.137	1.33	0.1836
7	rs17159702	30919387	C	COV6	707	1.008	0.08801	0.9299
7	rs17159702	30919387	C	COV7	707	1.026	0.2352	0.814
7	rs17159702	30919387	C	COV8	707	0.847	-1.096	0.2732
7	rs17159702	30919387	C	COV9	707	0.8313	-1.379	0.1678
7	rs17159702	30919387	C	COV10	707	0.9983	-0.01374	0.989
7	rs17159702	30919387	C	COV11	707	1.516	1.894	0.05822
7	rs17159702	30919387	C	COV12	707	0.8917	-0.6249	0.5321
7	rs17159702	30919387	C	COV13	707	1.06	0.4558	0.6485
7	rs17159702	30919387	C	COV14	707	0.7419	-2.289	0.02206
7	rs10246939	141972804	C	ADD	643	0.8439	-1.015	0.3102
7	rs10246939	141972804	C	COV1	643	0.9118	-0.3863	0.6993
7	rs10246939	141972804	C	COV2	643	1.046	0.3219	0.7475
7	rs10246939	141972804	C	COV3	643	0.9459	-0.2772	0.7816
7	rs10246939	141972804	C	COV4	643	1.05	0.2108	0.833
7	rs10246939	141972804	C	COV5	643	1.258	2.216	0.02668
7	rs10246939	141972804	C	COV6	643	1.028	0.2886	0.7729
7	rs10246939	141972804	C	COV7	643	1.088	0.7158	0.4741
7	rs10246939	141972804	C	COV8	643	0.7433	-1.69	0.09097
7	rs10246939	141972804	C	COV9	643	0.9141	-0.655	0.5124
7	rs10246939	141972804	C	COV10	643	0.9661	-0.2507	0.8021
7	rs10246939	141972804	C	COV11	643	1.258	0.9945	0.32
7	rs10246939	141972804	C	COV12	643	0.8998	-0.5415	0.5881
7	rs10246939	141972804	C	COV13	643	1.052	0.3775	0.7058

Table 12. (continued)

7	rs10246939	141972804	C	COV14	643	0.7011	-2.52	0.01172
7	rs1726866	141972905	T	ADD	676	0.9842	-0.09631	0.9233
7	rs1726866	141972905	T	COV1	676	0.8748	-0.578	0.5632
7	rs1726866	141972905	T	COV2	676	1.051	0.3667	0.7139
7	rs1726866	141972905	T	COV3	676	1.044	0.2179	0.8275
7	rs1726866	141972905	T	COV4	676	0.9367	-0.287	0.7741
7	rs1726866	141972905	T	COV5	676	1.194	1.783	0.07461
7	rs1726866	141972905	T	COV6	676	0.9992	-0.008837	0.9929
7	rs1726866	141972905	T	COV7	676	1.115	0.9724	0.3309
7	rs1726866	141972905	T	COV8	676	0.7879	-1.457	0.1452
7	rs1726866	141972905	T	COV9	676	0.9299	-0.5354	0.5924
7	rs1726866	141972905	T	COV10	676	0.914	-0.6624	0.5077
7	rs1726866	141972905	T	COV11	676	1.472	1.797	0.07238
7	rs1726866	141972905	T	COV12	676	0.791	-1.222	0.2218
7	rs1726866	141972905	T	COV13	676	1.053	0.4044	0.6859
7	rs1726866	141972905	T	COV14	676	0.7721	-1.939	0.05246
7	rs713598	141973545	G	ADD	646	0.9696	-0.1739	0.8619
7	rs713598	141973545	G	COV1	646	0.9372	-0.2713	0.7862
7	rs713598	141973545	G	COV2	646	0.9341	-0.4699	0.6385
7	rs713598	141973545	G	COV3	646	1.007	0.03321	0.9735
7	rs713598	141973545	G	COV4	646	0.991	-0.03828	0.9695
7	rs713598	141973545	G	COV5	646	1.164	1.446	0.148
7	rs713598	141973545	G	COV6	646	1.024	0.2442	0.8071
7	rs713598	141973545	G	COV7	646	1.125	0.9489	0.3427
7	rs713598	141973545	G	COV8	646	0.8158	-1.224	0.221
7	rs713598	141973545	G	COV9	646	0.8405	-1.184	0.2363
7	rs713598	141973545	G	COV10	646	1.032	0.2259	0.8213
7	rs713598	141973545	G	COV11	646	1.385	1.49	0.1362
7	rs713598	141973545	G	COV12	646	0.7406	-1.425	0.1541
7	rs713598	141973545	G	COV13	646	1.129	0.8866	0.3753
7	rs713598	141973545	G	COV14	646	0.745	-2.093	0.03636
8	rs11362	6877877	G	ADD	562	1.128	0.648	0.517
8	rs11362	6877877	G	COV1	562	0.7848	-0.9727	0.3307
8	rs11362	6877877	G	COV2	562	1.003	0.01835	0.9854
8	rs11362	6877877	G	COV3	562	1.112	0.4909	0.6235
8	rs11362	6877877	G	COV4	562	0.8074	-0.8594	0.3901
8	rs11362	6877877	G	COV5	562	1.124	1.065	0.287
8	rs11362	6877877	G	COV6	562	1.09	0.8672	0.3858
8	rs11362	6877877	G	COV7	562	1.085	0.6549	0.5126
8	rs11362	6877877	G	COV8	562	0.8765	-0.7333	0.4634
8	rs11362	6877877	G	COV9	562	0.7789	-1.525	0.1273
8	rs11362	6877877	G	COV10	562	1.018	0.1229	0.9022
8	rs11362	6877877	G	COV11	562	1.572	1.637	0.1015
8	rs11362	6877877	G	COV12	562	0.7072	-1.595	0.1108
8	rs11362	6877877	G	COV13	562	1.011	0.07579	0.9396
8	rs11362	6877877	G	COV14	562	0.798	-1.568	0.1169
8	rs1800972	6877901	C	ADD	343	1.436	1.299	0.194
8	rs1800972	6877901	C	COV1	343	1.137	0.4015	0.6881
8	rs1800972	6877901	C	COV2	343	1.253	1.244	0.2135
8	rs1800972	6877901	C	COV3	343	0.9988	-0.004418	0.9965
8	rs1800972	6877901	C	COV4	343	0.8979	-0.3319	0.7399
8	rs1800972	6877901	C	COV5	343	1.242	1.588	0.1122

Table 12. (continued)

8	rs1800972	6877901	C	COV6	343	0.7894	-1.728	0.08392
8	rs1800972	6877901	C	COV7	343	1.101	0.615	0.5385
8	rs1800972	6877901	C	COV8	343	0.8431	-0.7753	0.4381
8	rs1800972	6877901	C	COV9	343	0.9812	-0.1002	0.9202
8	rs1800972	6877901	C	COV10	343	0.9417	-0.345	0.7301
8	rs1800972	6877901	C	COV11	343	1.238	0.6677	0.5043
8	rs1800972	6877901	C	COV12	343	1.049	0.1856	0.8528
8	rs1800972	6877901	C	COV13	343	1.164	0.8839	0.3768
8	rs1800972	6877901	C	COV14	343	0.8601	-0.8381	0.402
12	rs3741559	49951193	A	ADD	133	0.9311	-0.1665	0.8677
12	rs3741559	49951193	A	COV1	133	1.95	1.225	0.2206
12	rs3741559	49951193	A	COV2	133	0.9715	-0.09285	0.926
12	rs3741559	49951193	A	COV3	133	1.244	0.4365	0.6625
12	rs3741559	49951193	A	COV4	133	0.7485	-0.5235	0.6006
12	rs3741559	49951193	A	COV5	133	0.9696	-0.1268	0.8991
12	rs3741559	49951193	A	COV6	133	1.298	1.077	0.2815
12	rs3741559	49951193	A	COV7	133	0.7897	-0.8051	0.4208
12	rs3741559	49951193	A	COV8	133	1.036	0.1083	0.9138
12	rs3741559	49951193	A	COV9	133	0.9023	-0.293	0.7695
12	rs3741559	49951193	A	COV10	133	0.8247	-0.5839	0.5593
12	rs3741559	49951193	A	COV11	133	1.06	0.1008	0.9197
12	rs3741559	49951193	A	COV12	133	1.295	0.6231	0.5332
12	rs3741559	49951193	A	COV13	133	0.9664	-0.1017	0.919
12	rs3741559	49951193	A	COV14	133	0.7311	-1.027	0.3043
12	rs461872	49951423	A	ADD	203	0.7223	-0.8088	0.4186
12	rs461872	49951423	A	COV1	203	1.134	0.2273	0.8202
12	rs461872	49951423	A	COV2	203	0.7619	-0.8448	0.3982
12	rs461872	49951423	A	COV3	203	0.6227	-1.043	0.2968
12	rs461872	49951423	A	COV4	203	1.902	1.071	0.2841
12	rs461872	49951423	A	COV5	203	1.731	2.181	0.02921
12	rs461872	49951423	A	COV6	203	0.9877	-0.05637	0.955
12	rs461872	49951423	A	COV7	203	1.219	0.7291	0.466
12	rs461872	49951423	A	COV8	203	0.4805	-1.53	0.126
12	rs461872	49951423	A	COV9	203	0.9182	-0.2234	0.8232
12	rs461872	49951423	A	COV10	203	0.7958	-0.65	0.5157
12	rs461872	49951423	A	COV11	203	1.578	0.932	0.3513
12	rs461872	49951423	A	COV12	203	0.7867	-0.533	0.594
12	rs461872	49951423	A	COV13	203	1.564	1.641	0.1008
12	rs461872	49951423	A	COV14	203	0.6895	-1.132	0.2576
12	rs461872	49951423	A	ADD	157	0.7611	-0.6848	0.4935
12	rs461872	49951423	A	COV1	157	0.8451	-0.283	0.7772
12	rs461872	49951423	A	COV2	157	1.186	0.4969	0.6192
12	rs461872	49951423	A	COV3	157	1.07	0.1232	0.9019
12	rs461872	49951423	A	COV4	157	0.7721	-0.4051	0.6854
12	rs461872	49951423	A	COV5	157	2.09	2.605	0.009185
12	rs461872	49951423	A	COV6	157	0.8221	-0.8288	0.4072
12	rs461872	49951423	A	COV7	157	1.129	0.428	0.6687
12	rs461872	49951423	A	COV8	157	0.2463	-2.035	0.04187
12	rs461872	49951423	A	COV9	157	1.254	0.593	0.5532
12	rs461872	49951423	A	COV10	157	0.4262	-1.877	0.06052
12	rs461872	49951423	A	COV11	157	2.723	1.886	0.05929
12	rs461872	49951423	A	COV12	157	0.8145	-0.4063	0.6845

Table 12. (continued)

12	rs461872	49951423	A	COV13	157	1.521	1.431	0.1524
12	rs461872	49951423	A	COV14	157	0.6552	-1.203	0.2291
12	rs467323	49955982	A	ADD	305	1.403	0.8007	0.4233
12	rs467323	49955982	A	COV1	305	0.6872	-1.05	0.2939
12	rs467323	49955982	A	COV2	305	1.016	0.07518	0.9401
12	rs467323	49955982	A	COV3	305	1.051	0.1611	0.872
12	rs467323	49955982	A	COV4	305	0.8095	-0.6339	0.5262
12	rs467323	49955982	A	COV5	305	0.9564	-0.2716	0.7859
12	rs467323	49955982	A	COV6	305	1.219	1.366	0.1718
12	rs467323	49955982	A	COV7	305	0.9118	-0.4923	0.6225
12	rs467323	49955982	A	COV8	305	0.9708	-0.1259	0.8998
12	rs467323	49955982	A	COV9	305	0.7927	-1.013	0.311
12	rs467323	49955982	A	COV10	305	1.068	0.2986	0.7652
12	rs467323	49955982	A	COV11	305	2.797	2.853	0.004335
12	rs467323	49955982	A	COV12	305	0.5334	-1.907	0.05648
12	rs467323	49955982	A	COV13	305	0.7963	-1.007	0.3139
12	rs467323	49955982	A	COV14	305	0.9077	-0.4566	0.648
12	rs2878771	49958610	C	ADD	720	0.9332	-0.3707	0.7108
12	rs2878771	49958610	C	COV1	720	0.8932	-0.5131	0.6079
12	rs2878771	49958610	C	COV2	720	0.9994	-0.00463	0.9963
12	rs2878771	49958610	C	COV3	720	1.032	0.1671	0.8673
12	rs2878771	49958610	C	COV4	720	0.9984	-0.00716	0.9943
12	rs2878771	49958610	C	COV5	720	1.139	1.359	0.1742
12	rs2878771	49958610	C	COV6	720	0.9776	-0.2478	0.8043
12	rs2878771	49958610	C	COV7	720	1.059	0.5216	0.6019
12	rs2878771	49958610	C	COV8	720	0.8135	-1.357	0.1747
12	rs2878771	49958610	C	COV9	720	0.8673	-1.088	0.2764
12	rs2878771	49958610	C	COV10	720	1.004	0.02983	0.9762
12	rs2878771	49958610	C	COV11	720	1.501	1.984	0.0473
12	rs2878771	49958610	C	COV12	720	0.8531	-0.8543	0.3929
12	rs2878771	49958610	C	COV13	720	1.077	0.6006	0.5481
12	rs2878771	49958610	C	COV14	720	0.7532	-2.207	0.02729
12	rs3736309	49964271	G	ADD	593	0.8935	-0.4942	0.6212
12	rs3736309	49964271	G	COV1	593	0.7005	-1.404	0.1603
12	rs3736309	49964271	G	COV2	593	1.019	0.1227	0.9023
12	rs3736309	49964271	G	COV3	593	1.004	0.01706	0.9864
12	rs3736309	49964271	G	COV4	593	0.8953	-0.4428	0.6579
12	rs3736309	49964271	G	COV5	593	1.323	2.59	0.009596
12	rs3736309	49964271	G	COV6	593	0.9544	-0.4587	0.6465
12	rs3736309	49964271	G	COV7	593	1.082	0.6247	0.5322
12	rs3736309	49964271	G	COV8	593	0.825	-1.134	0.2568
12	rs3736309	49964271	G	COV9	593	0.9338	-0.4609	0.6449
12	rs3736309	49964271	G	COV10	593	0.9543	-0.3227	0.7469
12	rs3736309	49964271	G	COV11	593	1.344	1.25	0.2113
12	rs3736309	49964271	G	COV12	593	0.8867	-0.5812	0.5611
12	rs3736309	49964271	G	COV13	593	1.027	0.1935	0.8465
12	rs3736309	49964271	G	COV14	593	0.7913	-1.623	0.1045
12	rs296763	49969231	C	ADD	698	1.052	0.2639	0.7918
12	rs296763	49969231	C	COV1	698	0.9139	-0.4021	0.6876
12	rs296763	49969231	C	COV2	698	1.037	0.2713	0.7862
12	rs296763	49969231	C	COV3	698	0.9913	-0.04525	0.9639
12	rs296763	49969231	C	COV4	698	0.9619	-0.172	0.8634

Table 12. (continued)

12	rs296763	49969231	C	COV5	698	1.192	1.79	0.07341
12	rs296763	49969231	C	COV6	698	1.004	0.04312	0.9656
12	rs296763	49969231	C	COV7	698	1.084	0.7281	0.4666
12	rs296763	49969231	C	COV8	698	0.8299	-1.217	0.2235
12	rs296763	49969231	C	COV9	698	0.8847	-0.905	0.3655
12	rs296763	49969231	C	COV10	698	0.9229	-0.6136	0.5395
12	rs296763	49969231	C	COV11	698	1.498	1.927	0.05401
12	rs296763	49969231	C	COV12	698	0.8034	-1.175	0.2401
12	rs296763	49969231	C	COV13	698	1.055	0.4221	0.673
12	rs296763	49969231	C	COV14	698	0.7557	-2.134	0.03284
12	rs1996315	49970924	G	ADD	733	0.8454	-1.097	0.2728
12	rs1996315	49970924	G	COV1	733	0.8825	-0.573	0.5666
12	rs1996315	49970924	G	COV2	733	0.9795	-0.1602	0.8727
12	rs1996315	49970924	G	COV3	733	0.9976	-0.01259	0.99
12	rs1996315	49970924	G	COV4	733	1.015	0.0681	0.9457
12	rs1996315	49970924	G	COV5	733	1.108	1.08	0.2803
12	rs1996315	49970924	G	COV6	733	0.9886	-0.1284	0.8978
12	rs1996315	49970924	G	COV7	733	1.057	0.5153	0.6064
12	rs1996315	49970924	G	COV8	733	0.832	-1.238	0.2158
12	rs1996315	49970924	G	COV9	733	0.8745	-1.027	0.3043
12	rs1996315	49970924	G	COV10	733	0.9807	-0.1563	0.8758
12	rs1996315	49970924	G	COV11	733	1.434	1.78	0.075
12	rs1996315	49970924	G	COV12	733	0.912	-0.5152	0.6064
12	rs1996315	49970924	G	COV13	733	1.085	0.67	0.5029
12	rs1996315	49970924	G	COV14	733	0.7634	-2.112	0.0347
14	rs1997532	21729203	C	ADD	686	0.8803	-0.7283	0.4664
14	rs1997532	21729203	C	COV1	686	0.8346	-0.8088	0.4186
14	rs1997532	21729203	C	COV2	686	1.046	0.3354	0.7373
14	rs1997532	21729203	C	COV3	686	1.001	0.005733	0.9954
14	rs1997532	21729203	C	COV4	686	0.9408	-0.2728	0.785
14	rs1997532	21729203	C	COV5	686	1.145	1.409	0.159
14	rs1997532	21729203	C	COV6	686	0.9621	-0.4246	0.6711
14	rs1997532	21729203	C	COV7	686	1.106	0.9036	0.3662
14	rs1997532	21729203	C	COV8	686	0.8895	-0.7775	0.4369
14	rs1997532	21729203	C	COV9	686	0.8705	-1.049	0.2942
14	rs1997532	21729203	C	COV10	686	0.9667	-0.2656	0.7906
14	rs1997532	21729203	C	COV11	686	1.339	1.391	0.1641
14	rs1997532	21729203	C	COV12	686	0.8881	-0.6482	0.5169
14	rs1997532	21729203	C	COV13	686	1.08	0.6243	0.5324
14	rs1997532	21729203	C	COV14	686	0.7488	-2.223	0.02621
14	rs1997533	21729284	C	ADD	547	1.059	0.2994	0.7646
14	rs1997533	21729284	C	COV1	547	0.7147	-1.326	0.1849
14	rs1997533	21729284	C	COV2	547	1.083	0.5489	0.5831
14	rs1997533	21729284	C	COV3	547	0.8619	-0.6687	0.5037
14	rs1997533	21729284	C	COV4	547	1.003	0.01245	0.9901
14	rs1997533	21729284	C	COV5	547	1.085	0.7432	0.4573
14	rs1997533	21729284	C	COV6	547	1.075	0.7294	0.4657
14	rs1997533	21729284	C	COV7	547	1.087	0.684	0.494
14	rs1997533	21729284	C	COV8	547	0.9312	-0.4238	0.6717
14	rs1997533	21729284	C	COV9	547	0.8873	-0.7731	0.4394
14	rs1997533	21729284	C	COV10	547	0.9103	-0.6287	0.5296
14	rs1997533	21729284	C	COV11	547	1.57	1.916	0.05543

Table 12. (continued)

14	rs1997533	21729284	C	COV12	547	0.912	-0.4743	0.6353
14	rs1997533	21729284	C	COV13	547	1.019	0.1314	0.8954
14	rs1997533	21729284	C	COV14	547	0.7811	-1.686	0.09177
14	rs7150049	21733607	G	ADD	654	1.089	0.542	0.5878
14	rs7150049	21733607	G	COV1	654	0.8871	-0.5026	0.6153
14	rs7150049	21733607	G	COV2	654	1.027	0.1891	0.85
14	rs7150049	21733607	G	COV3	654	0.902	-0.503	0.6149
14	rs7150049	21733607	G	COV4	654	0.9449	-0.2382	0.8118
14	rs7150049	21733607	G	COV5	654	1.197	1.724	0.08472
14	rs7150049	21733607	G	COV6	654	1.019	0.1943	0.846
14	rs7150049	21733607	G	COV7	654	1.065	0.5267	0.5984
14	rs7150049	21733607	G	COV8	654	0.8159	-1.238	0.2159
14	rs7150049	21733607	G	COV9	654	0.8395	-1.229	0.219
14	rs7150049	21733607	G	COV10	654	1.04	0.2865	0.7745
14	rs7150049	21733607	G	COV11	654	1.521	1.845	0.06506
14	rs7150049	21733607	G	COV12	654	0.9497	-0.2684	0.7884
14	rs7150049	21733607	G	COV13	654	1.046	0.3267	0.7439
14	rs7150049	21733607	G	COV14	654	0.7381	-2.181	0.02921
14	rs8011979	21733619	T	ADD	621	0.9812	-0.1011	0.9195
14	rs8011979	21733619	T	COV1	621	0.8101	-0.8557	0.3921
14	rs8011979	21733619	T	COV2	621	1.067	0.4579	0.647
14	rs8011979	21733619	T	COV3	621	0.9602	-0.1974	0.8435
14	rs8011979	21733619	T	COV4	621	1.078	0.3136	0.7538
14	rs8011979	21733619	T	COV5	621	1.181	1.591	0.1115
14	rs8011979	21733619	T	COV6	621	1.039	0.3978	0.6908
14	rs8011979	21733619	T	COV7	621	1.113	0.9061	0.3649
14	rs8011979	21733619	T	COV8	621	0.811	-1.209	0.2266
14	rs8011979	21733619	T	COV9	621	0.9186	-0.5809	0.5613
14	rs8011979	21733619	T	COV10	621	0.9099	-0.6516	0.5147
14	rs8011979	21733619	T	COV11	621	1.384	1.44	0.15
14	rs8011979	21733619	T	COV12	621	0.7488	-1.414	0.1574
14	rs8011979	21733619	T	COV13	621	1.097	0.6753	0.4995
14	rs8011979	21733619	T	COV14	621	0.8032	-1.553	0.1205
14	rs4903399	76308859	T	ADD	664	0.976	-0.1243	0.9011
14	rs4903399	76308859	T	COV1	664	0.8404	-0.7488	0.454
14	rs4903399	76308859	T	COV2	664	0.995	-0.03635	0.971
14	rs4903399	76308859	T	COV3	664	0.9086	-0.4715	0.6373
14	rs4903399	76308859	T	COV4	664	1.016	0.06618	0.9472
14	rs4903399	76308859	T	COV5	664	1.182	1.643	0.1004
14	rs4903399	76308859	T	COV6	664	0.9926	-0.07866	0.9373
14	rs4903399	76308859	T	COV7	664	1.087	0.731	0.4648
14	rs4903399	76308859	T	COV8	664	0.8553	-0.9964	0.319
14	rs4903399	76308859	T	COV9	664	0.906	-0.7228	0.4698
14	rs4903399	76308859	T	COV10	664	0.9522	-0.3615	0.7178
14	rs4903399	76308859	T	COV11	664	1.492	1.88	0.06005
14	rs4903399	76308859	T	COV12	664	0.8541	-0.8385	0.4017
14	rs4903399	76308859	T	COV13	664	1.084	0.623	0.5333
14	rs4903399	76308859	T	COV14	664	0.7693	-1.934	0.0531
14	rs6574293	76404257	A	ADD	648	0.8635	-0.5428	0.5873
14	rs6574293	76404257	A	COV1	648	0.7075	-1.453	0.1461
14	rs6574293	76404257	A	COV2	648	1.09	0.6193	0.5357
14	rs6574293	76404257	A	COV3	648	0.9	-0.5213	0.6021

Table 12. (continued)

14	rs6574293	76404257	A	COV4	648	0.9504	-0.2169	0.8283
14	rs6574293	76404257	A	COV5	648	1.072	0.6603	0.509
14	rs6574293	76404257	A	COV6	648	0.9992	-0.008048	0.9936
14	rs6574293	76404257	A	COV7	648	1.186	1.492	0.1357
14	rs6574293	76404257	A	COV8	648	0.7976	-1.412	0.1579
14	rs6574293	76404257	A	COV9	648	0.8564	-1.096	0.2732
14	rs6574293	76404257	A	COV10	648	1.043	0.3081	0.758
14	rs6574293	76404257	A	COV11	648	1.324	1.307	0.1913
14	rs6574293	76404257	A	COV12	648	0.9103	-0.4968	0.6193
14	rs6574293	76404257	A	COV13	648	1.131	0.9034	0.3663
14	rs6574293	76404257	A	COV14	648	0.7352	-2.187	0.02876
14	rs10132091	76404475	C	ADD	675	0.7578	-1.706	0.088
14	rs10132091	76404475	C	COV1	675	0.8524	-0.6857	0.4929
14	rs10132091	76404475	C	COV2	675	1.041	0.3003	0.764
14	rs10132091	76404475	C	COV3	675	0.9506	-0.2501	0.8025
14	rs10132091	76404475	C	COV4	675	1.028	0.1169	0.907
14	rs10132091	76404475	C	COV5	675	1.138	1.289	0.1973
14	rs10132091	76404475	C	COV6	675	0.968	-0.3461	0.7293
14	rs10132091	76404475	C	COV7	675	1.084	0.6979	0.4852
14	rs10132091	76404475	C	COV8	675	0.857	-0.98	0.3271
14	rs10132091	76404475	C	COV9	675	0.8448	-1.205	0.2281
14	rs10132091	76404475	C	COV10	675	1.091	0.6607	0.5088
14	rs10132091	76404475	C	COV11	675	1.464	1.74	0.08188
14	rs10132091	76404475	C	COV12	675	0.893	-0.604	0.5458
14	rs10132091	76404475	C	COV13	675	1.046	0.3428	0.7318
14	rs10132091	76404475	C	COV14	675	0.7026	-2.593	0.009517
14	rs1077430	76431334	A	ADD	586	1.267	1.273	0.203
14	rs1077430	76431334	A	COV1	586	0.9293	-0.2817	0.7782
14	rs1077430	76431334	A	COV2	586	1.052	0.3351	0.7375
14	rs1077430	76431334	A	COV3	586	1.021	0.09339	0.9256
14	rs1077430	76431334	A	COV4	586	0.9035	-0.396	0.6921
14	rs1077430	76431334	A	COV5	586	1.076	0.6584	0.5103
14	rs1077430	76431334	A	COV6	586	1.011	0.1082	0.9138
14	rs1077430	76431334	A	COV7	586	1.155	1.129	0.2588
14	rs1077430	76431334	A	COV8	586	0.7601	-1.48	0.139
14	rs1077430	76431334	A	COV9	586	0.9199	-0.5439	0.5865
14	rs1077430	76431334	A	COV10	586	1.012	0.07583	0.9396
14	rs1077430	76431334	A	COV11	586	1.433	1.466	0.1426
14	rs1077430	76431334	A	COV12	586	0.8718	-0.653	0.5138
14	rs1077430	76431334	A	COV13	586	1.045	0.3008	0.7636
14	rs1077430	76431334	A	COV14	586	0.7398	-1.97	0.04881
14	rs745011	76450932	C	ADD	648	1.233	1.389	0.1648
14	rs745011	76450932	C	COV1	648	0.9343	-0.2867	0.7743
14	rs745011	76450932	C	COV2	648	1.052	0.3607	0.7183
14	rs745011	76450932	C	COV3	648	0.9471	-0.2649	0.7911
14	rs745011	76450932	C	COV4	648	0.9762	-0.1015	0.9191
14	rs745011	76450932	C	COV5	648	1.161	1.444	0.1488
14	rs745011	76450932	C	COV6	648	0.9601	-0.4141	0.6788
14	rs745011	76450932	C	COV7	648	1.146	1.133	0.2571
14	rs745011	76450932	C	COV8	648	0.8215	-1.172	0.2413
14	rs745011	76450932	C	COV9	648	0.8554	-1.089	0.276
14	rs745011	76450932	C	COV10	648	0.9937	-0.04546	0.9637

Table 12. (continued)

14	rs745011	76450932	C	COV11	648	1.331	1.291	0.1967
14	rs745011	76450932	C	COV12	648	0.7981	-1.132	0.2578
14	rs745011	76450932	C	COV13	648	1.135	0.9612	0.3364
14	rs745011	76450932	C	COV14	648	0.7748	-1.842	0.06555
14	rs1676303	76525821	C	ADD	686	1.168	0.6897	0.4904
14	rs1676303	76525821	C	COV1	686	0.8611	-0.6523	0.5142
14	rs1676303	76525821	C	COV2	686	1.055	0.3862	0.6994
14	rs1676303	76525821	C	COV3	686	0.9474	-0.2709	0.7865
14	rs1676303	76525821	C	COV4	686	0.9322	-0.306	0.7596
14	rs1676303	76525821	C	COV5	686	1.203	1.839	0.06588
14	rs1676303	76525821	C	COV6	686	0.9938	-0.06668	0.9468
14	rs1676303	76525821	C	COV7	686	1.115	0.9687	0.3327
14	rs1676303	76525821	C	COV8	686	0.8021	-1.391	0.1643
14	rs1676303	76525821	C	COV9	686	0.9013	-0.7537	0.451
14	rs1676303	76525821	C	COV10	686	0.9505	-0.3754	0.7073
14	rs1676303	76525821	C	COV11	686	1.468	1.808	0.07058
14	rs1676303	76525821	C	COV12	686	0.8525	-0.8597	0.39
14	rs1676303	76525821	C	COV13	686	1.094	0.7059	0.4803
14	rs1676303	76525821	C	COV14	686	0.7371	-2.268	0.02331
14	rs2860216	76539665	C	ADD	629	1.318	1.576	0.115
14	rs2860216	76539665	C	COV1	629	0.7339	-1.298	0.1941
14	rs2860216	76539665	C	COV2	629	1.08	0.5428	0.5873
14	rs2860216	76539665	C	COV3	629	1.026	0.1233	0.9019
14	rs2860216	76539665	C	COV4	629	0.9674	-0.1389	0.8895
14	rs2860216	76539665	C	COV5	629	1.122	1.13	0.2585
14	rs2860216	76539665	C	COV6	629	0.9559	-0.4667	0.6407
14	rs2860216	76539665	C	COV7	629	1.14	1.116	0.2646
14	rs2860216	76539665	C	COV8	629	0.94	-0.4119	0.6804
14	rs2860216	76539665	C	COV9	629	0.8679	-1.005	0.3151
14	rs2860216	76539665	C	COV10	629	0.9451	-0.4152	0.678
14	rs2860216	76539665	C	COV11	629	1.392	1.557	0.1194
14	rs2860216	76539665	C	COV12	629	0.8568	-0.7963	0.4258
14	rs2860216	76539665	C	COV13	629	1.07	0.5254	0.5993
14	rs2860216	76539665	C	COV14	629	0.7263	-2.327	0.01996
17	rs2619112	4632090	A	ADD	678	0.9581	-0.2541	0.7994
17	rs2619112	4632090	A	COV1	678	0.864	-0.6298	0.5288
17	rs2619112	4632090	A	COV2	678	0.9712	-0.2134	0.831
17	rs2619112	4632090	A	COV3	678	1.014	0.06999	0.9442
17	rs2619112	4632090	A	COV4	678	0.9811	-0.08134	0.9352
17	rs2619112	4632090	A	COV5	678	1.176	1.611	0.1071
17	rs2619112	4632090	A	COV6	678	1.008	0.08915	0.929
17	rs2619112	4632090	A	COV7	678	1.068	0.5696	0.569
17	rs2619112	4632090	A	COV8	678	0.8121	-1.28	0.2007
17	rs2619112	4632090	A	COV9	678	0.8804	-0.9311	0.3518
17	rs2619112	4632090	A	COV10	678	0.9553	-0.3424	0.7321
17	rs2619112	4632090	A	COV11	678	1.408	1.612	0.107
17	rs2619112	4632090	A	COV12	678	0.9208	-0.4384	0.6611
17	rs2619112	4632090	A	COV13	678	1.081	0.6081	0.5431
17	rs2619112	4632090	A	COV14	678	0.7579	-2.042	0.04119
17	rs7217186	4636097	C	ADD	227	1.501	1.119	0.263
17	rs7217186	4636097	C	COV1	227	0.739	-0.5895	0.5555
17	rs7217186	4636097	C	COV2	227	0.7607	-0.9552	0.3395

Table 12. (continued)

17	rs7217186	4636097	C	COV3	227	0.6926	-0.8338	0.4044
17	rs7217186	4636097	C	COV4	227	2.47	1.66	0.09696
17	rs7217186	4636097	C	COV5	227	1.44	1.738	0.08216
17	rs7217186	4636097	C	COV6	227	0.6816	-1.704	0.08829
17	rs7217186	4636097	C	COV7	227	1.335	1.145	0.2524
17	rs7217186	4636097	C	COV8	227	0.5725	-1.368	0.1712
17	rs7217186	4636097	C	COV9	227	0.9019	-0.3621	0.7173
17	rs7217186	4636097	C	COV10	227	1.019	0.0738	0.9412
17	rs7217186	4636097	C	COV11	227	1.324	0.6904	0.49
17	rs7217186	4636097	C	COV12	227	1.254	0.609	0.5425
17	rs7217186	4636097	C	COV13	227	1.551	1.735	0.08271
17	rs7217186	4636097	C	COV14	227	0.6616	-1.367	0.1717
19	rs2235091	50907215	C	ADD	681	1.434	2.175	0.02965
19	rs2235091	50907215	C	COV1	681	0.897	-0.474	0.6355
19	rs2235091	50907215	C	COV2	681	1.051	0.3723	0.7097
19	rs2235091	50907215	C	COV3	681	1.018	0.08826	0.9297
19	rs2235091	50907215	C	COV4	681	0.9234	-0.3481	0.7278
19	rs2235091	50907215	C	COV5	681	1.179	1.652	0.09851
19	rs2235091	50907215	C	COV6	681	0.9973	-0.02877	0.977
19	rs2235091	50907215	C	COV7	681	1.064	0.5419	0.5879
19	rs2235091	50907215	C	COV8	681	0.8851	-0.7973	0.4253
19	rs2235091	50907215	C	COV9	681	0.8888	-0.8615	0.389
19	rs2235091	50907215	C	COV10	681	0.9218	-0.6167	0.5374
19	rs2235091	50907215	C	COV11	681	1.542	1.981	0.0476
19	rs2235091	50907215	C	COV12	681	0.862	-0.7978	0.425
19	rs2235091	50907215	C	COV13	681	1.036	0.2802	0.7793
19	rs2235091	50907215	C	COV14	681	0.7959	-1.73	0.08358
19	rs198968	50910072	A	ADD	621	0.8472	-0.8212	0.4115
19	rs198968	50910072	A	COV1	621	0.8992	-0.4429	0.6578
19	rs198968	50910072	A	COV2	621	0.9891	-0.07538	0.9399
19	rs198968	50910072	A	COV3	621	0.9622	-0.1838	0.8542
19	rs198968	50910072	A	COV4	621	0.9094	-0.3947	0.6931
19	rs198968	50910072	A	COV5	621	1.243	2.046	0.04075
19	rs198968	50910072	A	COV6	621	1.02	0.2001	0.8414
19	rs198968	50910072	A	COV7	621	1.087	0.7099	0.4778
19	rs198968	50910072	A	COV8	621	0.8594	-0.8793	0.3792
19	rs198968	50910072	A	COV9	621	0.78	-1.61	0.1073
19	rs198968	50910072	A	COV10	621	0.9563	-0.3214	0.7479
19	rs198968	50910072	A	COV11	621	1.634	2.08	0.03754
19	rs198968	50910072	A	COV12	621	0.8356	-0.899	0.3687
19	rs198968	50910072	A	COV13	621	0.996	-0.02916	0.9767
19	rs198968	50910072	A	COV14	621	0.7688	-1.856	0.06345
22	rs5997096	12345610	T	ADD	560	1.152	0.7617	0.4463
22	rs5997096	12345610	T	COV1	560	0.8648	-0.5443	0.5863
22	rs5997096	12345610	T	COV2	560	0.9519	-0.3096	0.7569
22	rs5997096	12345610	T	COV3	560	0.9744	-0.11	0.9124
22	rs5997096	12345610	T	COV4	560	0.8638	-0.52	0.6031
22	rs5997096	12345610	T	COV5	560	1.145	1.136	0.2558
22	rs5997096	12345610	T	COV6	560	0.88	-1.127	0.2597
22	rs5997096	12345610	T	COV7	560	1.21	1.403	0.1606
22	rs5997096	12345610	T	COV8	560	0.8062	-1.148	0.251
22	rs5997096	12345610	T	COV9	560	0.9166	-0.5521	0.5808

Table 12. (continued)

22	rs5997096	12345610	T	COV10	560	1.017	0.1108	0.9118
22	rs5997096	12345610	T	COV11	560	1.399	1.373	0.1696
22	rs5997096	12345610	T	COV12	560	0.9061	-0.4431	0.6577
22	rs5997096	12345610	T	COV13	560	1.11	0.6908	0.4897
22	rs5997096	12345610	T	COV14	560	0.8922	-0.7385	0.4602
23	rs946252	123456	T	ADD	573	NA	NA	NA
23	rs946252	123456	T	SEX	573	NA	NA	NA
23	rs946252	123456	T	COV1	573	NA	NA	NA
23	rs946252	123456	T	COV2	573	NA	NA	NA
23	rs946252	123456	T	COV3	573	NA	NA	NA
23	rs946252	123456	T	COV4	573	NA	NA	NA
23	rs946252	123456	T	COV5	573	NA	NA	NA
23	rs946252	123456	T	COV6	573	NA	NA	NA
23	rs946252	123456	T	COV7	573	NA	NA	NA
23	rs946252	123456	T	COV8	573	NA	NA	NA
23	rs946252	123456	T	COV9	573	NA	NA	NA
23	rs946252	123456	T	COV10	573	NA	NA	NA
23	rs946252	123456	T	COV11	573	NA	NA	NA
23	rs946252	123456	T	COV12	573	NA	NA	NA
23	rs946252	123456	T	COV13	573	NA	NA	NA
23	rs946252	123456	T	COV14	573	NA	NA	NA
Low Primary Caries vs. High Primary Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	164	1.108	0.3416	0.7327
1	rs7526319	1234567	T	COV1	164	0.6287	-1.341	0.1798
1	rs7526319	1234567	T	COV2	164	0.7713	-1.162	0.2453
1	rs7526319	1234567	T	COV3	164	0.8719	-0.4168	0.6768
1	rs7526319	1234567	T	COV4	164	1.036	0.1021	0.9187
1	rs7526319	1234567	T	COV5	164	1.088	0.5322	0.5946
1	rs7526319	1234567	T	COV6	164	0.8203	-1.273	0.2029
1	rs7526319	1234567	T	COV7	164	1.109	0.5667	0.5709
1	rs7526319	1234567	T	COV8	164	0.8389	-0.8399	0.4009
1	rs7526319	1234567	T	COV9	164	1.232	0.9734	0.3304
1	rs7526319	1234567	T	COV10	164	0.8926	-0.6093	0.5424
1	rs7526319	1234567	T	COV11	164	2.035	1.751	0.07999
1	rs7526319	1234567	T	COV12	164	0.8163	-0.7295	0.4657
1	rs7526319	1234567	T	COV13	164	1.007	0.03808	0.9696
1	rs7526319	1234567	T	COV14	164	0.9696	-0.1533	0.8782
1	rs9701796	18859635	G	ADD	216	0.9941	-0.02459	0.9804
1	rs9701796	18859635	G	COV1	216	0.8239	-0.6585	0.5102
1	rs9701796	18859635	G	COV2	216	0.9119	-0.4941	0.6212
1	rs9701796	18859635	G	COV3	216	0.8991	-0.4035	0.6866
1	rs9701796	18859635	G	COV4	216	1.393	1.126	0.26
1	rs9701796	18859635	G	COV5	216	1.151	1.052	0.2928
1	rs9701796	18859635	G	COV6	216	0.9775	-0.1742	0.8617
1	rs9701796	18859635	G	COV7	216	1.122	0.7293	0.4658
1	rs9701796	18859635	G	COV8	216	0.7066	-1.872	0.06114
1	rs9701796	18859635	G	COV9	216	1.018	0.09535	0.924
1	rs9701796	18859635	G	COV10	216	0.7866	-1.415	0.1572
1	rs9701796	18859635	G	COV11	216	1.946	2.028	0.04252
1	rs9701796	18859635	G	COV12	216	0.8169	-0.878	0.38

Table 12. (continued)

1	rs9701796	18859635	G	COV13	216	1.016	0.09341	0.9256
1	rs9701796	18859635	G	COV14	216	0.7954	-1.321	0.1865
4	rs4694075	1234568	T	ADD	167	1.023	0.09827	0.9217
4	rs4694075	1234568	T	COV1	167	0.8396	-0.5057	0.6131
4	rs4694075	1234568	T	COV2	167	0.6343	-1.895	0.05808
4	rs4694075	1234568	T	COV3	167	0.898	-0.3268	0.7438
4	rs4694075	1234568	T	COV4	167	0.9243	-0.2203	0.8256
4	rs4694075	1234568	T	COV5	167	1.164	0.9886	0.3229
4	rs4694075	1234568	T	COV6	167	0.7772	-1.6	0.1096
4	rs4694075	1234568	T	COV7	167	1.28	1.278	0.2013
4	rs4694075	1234568	T	COV8	167	0.8796	-0.6003	0.5483
4	rs4694075	1234568	T	COV9	167	1.059	0.2641	0.7917
4	rs4694075	1234568	T	COV10	167	0.9409	-0.3265	0.744
4	rs4694075	1234568	T	COV11	167	2.099	1.932	0.05338
4	rs4694075	1234568	T	COV12	167	0.8871	-0.4768	0.6335
4	rs4694075	1234568	T	COV13	167	1.107	0.5093	0.6105
4	rs4694075	1234568	T	COV14	167	0.9467	-0.2692	0.7878
4	rs12640848	1234569	A	ADD	164	0.7874	-1.129	0.2589
4	rs12640848	1234569	A	COV1	164	0.9106	-0.2691	0.7878
4	rs12640848	1234569	A	COV2	164	0.7493	-1.328	0.1841
4	rs12640848	1234569	A	COV3	164	0.7676	-0.7894	0.4299
4	rs12640848	1234569	A	COV4	164	1.219	0.5521	0.5809
4	rs12640848	1234569	A	COV5	164	1.163	0.9856	0.3243
4	rs12640848	1234569	A	COV6	164	0.8779	-0.8585	0.3906
4	rs12640848	1234569	A	COV7	164	1.04	0.205	0.8376
4	rs12640848	1234569	A	COV8	164	0.8607	-0.7331	0.4635
4	rs12640848	1234569	A	COV9	164	1.114	0.5212	0.6022
4	rs12640848	1234569	A	COV10	164	0.9042	-0.5155	0.6062
4	rs12640848	1234569	A	COV11	164	2.369	2.085	0.03703
4	rs12640848	1234569	A	COV12	164	0.8582	-0.589	0.5559
4	rs12640848	1234569	A	COV13	164	0.9847	-0.07816	0.9377
4	rs12640848	1234569	A	COV14	164	0.8975	-0.5126	0.6082
5	rs375129	4952722	T	ADD	178	1.22	0.9689	0.3326
5	rs375129	4952722	T	COV1	178	0.6795	-1.179	0.2385
5	rs375129	4952722	T	COV2	178	0.8065	-1.081	0.2798
5	rs375129	4952722	T	COV3	178	0.8067	-0.7393	0.4597
5	rs375129	4952722	T	COV4	178	1.165	0.4865	0.6266
5	rs375129	4952722	T	COV5	178	1.255	1.518	0.1289
5	rs375129	4952722	T	COV6	178	1.093	0.6439	0.5196
5	rs375129	4952722	T	COV7	178	1.117	0.6471	0.5175
5	rs375129	4952722	T	COV8	178	0.6894	-1.898	0.05763
5	rs375129	4952722	T	COV9	178	0.9419	-0.302	0.7627
5	rs375129	4952722	T	COV10	178	0.8721	-0.7781	0.4365
5	rs375129	4952722	T	COV11	178	1.954	1.824	0.06808
5	rs375129	4952722	T	COV12	178	0.8116	-0.8545	0.3928
5	rs375129	4952722	T	COV13	178	1.137	0.7001	0.4839
5	rs375129	4952722	T	COV14	178	0.9103	-0.4968	0.6193
5	rs27565	60541764	A	ADD	122	0.7392	-1.039	0.2989
5	rs27565	60541764	A	COV1	122	0.5405	-1.466	0.1426
5	rs27565	60541764	A	COV2	122	0.7639	-1.038	0.2993
5	rs27565	60541764	A	COV3	122	0.8404	-0.5334	0.5937
5	rs27565	60541764	A	COV4	122	1.938	1.637	0.1017

Table 12. (continued)

5	rs27565	60541764	A	COV5	122	1.177	0.9361	0.3492
5	rs27565	60541764	A	COV6	122	1.002	0.00994	0.9921
5	rs27565	60541764	A	COV7	122	1.298	1.304	0.1922
5	rs27565	60541764	A	COV8	122	0.7897	-1.072	0.2839
5	rs27565	60541764	A	COV9	122	0.8596	-0.6218	0.5341
5	rs27565	60541764	A	COV10	122	0.9362	-0.2969	0.7665
5	rs27565	60541764	A	COV11	122	2.351	1.915	0.05548
5	rs27565	60541764	A	COV12	122	0.7333	-1.08	0.2802
5	rs27565	60541764	A	COV13	122	0.9547	-0.2182	0.8273
5	rs27565	60541764	A	COV14	122	0.8125	-0.8725	0.3829
5	rs6862039	73503170	A	ADD	194	1.05	0.1269	0.899
5	rs6862039	73503170	A	COV1	194	0.7084	-1.113	0.2656
5	rs6862039	73503170	A	COV2	194	0.8882	-0.6039	0.5459
5	rs6862039	73503170	A	COV3	194	0.8704	-0.5023	0.6154
5	rs6862039	73503170	A	COV4	194	1.384	1.055	0.2915
5	rs6862039	73503170	A	COV5	194	1.118	0.7924	0.4281
5	rs6862039	73503170	A	COV6	194	0.9571	-0.3262	0.7442
5	rs6862039	73503170	A	COV7	194	1.15	0.8764	0.3808
5	rs6862039	73503170	A	COV8	194	0.7631	-1.52	0.1284
5	rs6862039	73503170	A	COV9	194	1.076	0.3932	0.6942
5	rs6862039	73503170	A	COV10	194	0.8734	-0.8192	0.4127
5	rs6862039	73503170	A	COV11	194	2.007	1.895	0.05811
5	rs6862039	73503170	A	COV12	194	0.7566	-1.169	0.2424
5	rs6862039	73503170	A	COV13	194	0.9557	-0.2627	0.7928
5	rs6862039	73503170	A	COV14	194	0.893	-0.6152	0.5384
7	rs17159702	30919387	C	ADD	217	1.057	0.2739	0.7842
7	rs17159702	30919387	C	COV1	217	0.8638	-0.5	0.617
7	rs17159702	30919387	C	COV2	217	0.8241	-1.046	0.2955
7	rs17159702	30919387	C	COV3	217	0.938	-0.2451	0.8064
7	rs17159702	30919387	C	COV4	217	1.427	1.199	0.2306
7	rs17159702	30919387	C	COV5	217	1.089	0.6479	0.517
7	rs17159702	30919387	C	COV6	217	0.9865	-0.1066	0.9151
7	rs17159702	30919387	C	COV7	217	1.061	0.388	0.698
7	rs17159702	30919387	C	COV8	217	0.7853	-1.399	0.1618
7	rs17159702	30919387	C	COV9	217	0.9604	-0.2189	0.8267
7	rs17159702	30919387	C	COV10	217	0.9074	-0.5994	0.5489
7	rs17159702	30919387	C	COV11	217	2.002	2.081	0.03742
7	rs17159702	30919387	C	COV12	217	0.8876	-0.5509	0.5817
7	rs17159702	30919387	C	COV13	217	1.001	0.007135	0.9943
7	rs17159702	30919387	C	COV14	217	0.7592	-1.601	0.1093
7	rs10246939	141972804	C	ADD	186	0.9706	-0.1411	0.8878
7	rs10246939	141972804	C	COV1	186	0.6498	-1.325	0.1851
7	rs10246939	141972804	C	COV2	186	0.9932	-0.03321	0.9735
7	rs10246939	141972804	C	COV3	186	0.6742	-1.38	0.1677
7	rs10246939	141972804	C	COV4	186	1.53	1.353	0.1762
7	rs10246939	141972804	C	COV5	186	1.25	1.565	0.1177
7	rs10246939	141972804	C	COV6	186	1.077	0.5346	0.5929
7	rs10246939	141972804	C	COV7	186	1.168	0.9238	0.3556
7	rs10246939	141972804	C	COV8	186	0.6896	-1.856	0.0635
7	rs10246939	141972804	C	COV9	186	1.061	0.3005	0.7638
7	rs10246939	141972804	C	COV10	186	0.8484	-0.9489	0.3427
7	rs10246939	141972804	C	COV11	186	1.585	1.253	0.2102

Table 12. (continued)

7	rs10246939	141972804	C	COV12	186	0.8406	-0.7047	0.481
7	rs10246939	141972804	C	COV13	186	0.9796	-0.1117	0.9111
7	rs10246939	141972804	C	COV14	186	0.7193	-1.743	0.08142
7	rs1726866	141972905	T	ADD	201	1.1	0.4615	0.6445
7	rs1726866	141972905	T	COV1	201	0.6561	-1.377	0.1684
7	rs1726866	141972905	T	COV2	201	0.9067	-0.5057	0.613
7	rs1726866	141972905	T	COV3	201	0.8786	-0.4705	0.638
7	rs1726866	141972905	T	COV4	201	1.321	0.9349	0.3498
7	rs1726866	141972905	T	COV5	201	1.206	1.326	0.1848
7	rs1726866	141972905	T	COV6	201	1.007	0.05616	0.9552
7	rs1726866	141972905	T	COV7	201	1.169	0.9761	0.329
7	rs1726866	141972905	T	COV8	201	0.6951	-1.916	0.05534
7	rs1726866	141972905	T	COV9	201	1.07	0.3444	0.7306
7	rs1726866	141972905	T	COV10	201	0.7635	-1.496	0.1347
7	rs1726866	141972905	T	COV11	201	1.974	1.992	0.04641
7	rs1726866	141972905	T	COV12	201	0.7062	-1.47	0.1417
7	rs1726866	141972905	T	COV13	201	1.04	0.2266	0.8207
7	rs1726866	141972905	T	COV14	201	0.8329	-1.035	0.3008
7	rs713598	141973545	G	ADD	193	1.142	0.6039	0.5459
7	rs713598	141973545	G	COV1	193	0.7388	-0.9688	0.3326
7	rs713598	141973545	G	COV2	193	0.8253	-0.9445	0.3449
7	rs713598	141973545	G	COV3	193	0.8579	-0.5266	0.5985
7	rs713598	141973545	G	COV4	193	1.452	1.217	0.2235
7	rs713598	141973545	G	COV5	193	1.116	0.7603	0.4471
7	rs713598	141973545	G	COV6	193	1.021	0.1549	0.8769
7	rs713598	141973545	G	COV7	193	1.115	0.6443	0.5194
7	rs713598	141973545	G	COV8	193	0.7675	-1.403	0.1606
7	rs713598	141973545	G	COV9	193	1.013	0.0672	0.9464
7	rs713598	141973545	G	COV10	193	0.8549	-0.9142	0.3606
7	rs713598	141973545	G	COV11	193	1.978	1.954	0.05068
7	rs713598	141973545	G	COV12	193	0.702	-1.393	0.1637
7	rs713598	141973545	G	COV13	193	0.9737	-0.1528	0.8785
7	rs713598	141973545	G	COV14	193	0.8158	-1.104	0.2695
8	rs11362	6877877	G	ADD	172	1.176	0.7081	0.4789
8	rs11362	6877877	G	COV1	172	0.7334	-0.916	0.3597
8	rs11362	6877877	G	COV2	172	0.8066	-1.005	0.315
8	rs11362	6877877	G	COV3	172	0.8898	-0.3873	0.6985
8	rs11362	6877877	G	COV4	172	1.191	0.5046	0.6138
8	rs11362	6877877	G	COV5	172	1.202	1.193	0.233
8	rs11362	6877877	G	COV6	172	1.036	0.2513	0.8016
8	rs11362	6877877	G	COV7	172	1.197	1.004	0.3154
8	rs11362	6877877	G	COV8	172	0.7213	-1.678	0.09329
8	rs11362	6877877	G	COV9	172	1.003	0.01552	0.9876
8	rs11362	6877877	G	COV10	172	0.8718	-0.7736	0.4392
8	rs11362	6877877	G	COV11	172	1.642	1.343	0.1793
8	rs11362	6877877	G	COV12	172	0.7927	-0.8905	0.3732
8	rs11362	6877877	G	COV13	172	0.8459	-0.828	0.4077
8	rs11362	6877877	G	COV14	172	1.069	0.3367	0.7364
8	rs1800972	6877901	C	ADD	102	1.018	0.04976	0.9603
8	rs1800972	6877901	C	COV1	102	0.5693	-1.27	0.2041
8	rs1800972	6877901	C	COV2	102	1.043	0.1431	0.8862
8	rs1800972	6877901	C	COV3	102	1.219	0.5357	0.5922

Table 12. (continued)

8	rs1800972	6877901	C	COV4	102	1.462	0.9006	0.3678
8	rs1800972	6877901	C	COV5	102	1.049	0.2484	0.8038
8	rs1800972	6877901	C	COV6	102	0.884	-0.5942	0.5524
8	rs1800972	6877901	C	COV7	102	1.209	0.8558	0.3921
8	rs1800972	6877901	C	COV8	102	0.7801	-1.053	0.2926
8	rs1800972	6877901	C	COV9	102	0.9496	-0.1985	0.8426
8	rs1800972	6877901	C	COV10	102	0.8593	-0.5622	0.574
8	rs1800972	6877901	C	COV11	102	1.088	0.1683	0.8663
8	rs1800972	6877901	C	COV12	102	0.9143	-0.2788	0.7804
8	rs1800972	6877901	C	COV13	102	0.9937	-0.02716	0.9783
8	rs1800972	6877901	C	COV14	102	0.9532	-0.1851	0.8532
12	rs3741559	49951193	A	ADD	43	0.4479	-1.024	0.3059
12	rs3741559	49951193	A	COV1	43	2.787	0.831	0.406
12	rs3741559	49951193	A	COV2	43	4.481	1.63	0.1031
12	rs3741559	49951193	A	COV3	43	0.2481	-1.424	0.1544
12	rs3741559	49951193	A	COV4	43	0.1776	-1.221	0.2221
12	rs3741559	49951193	A	COV5	43	3.171	1.795	0.07262
12	rs3741559	49951193	A	COV6	43	0.5464	-1.392	0.164
12	rs3741559	49951193	A	COV7	43	0.7404	-0.6216	0.5342
12	rs3741559	49951193	A	COV8	43	0.8232	-0.3222	0.7473
12	rs3741559	49951193	A	COV9	43	0.3086	-1.593	0.1111
12	rs3741559	49951193	A	COV10	43	1.101	0.1599	0.873
12	rs3741559	49951193	A	COV11	43	4.112	0.921	0.3571
12	rs3741559	49951193	A	COV12	43	2.684	1.132	0.2576
12	rs3741559	49951193	A	COV13	43	2.351	1.317	0.1879
12	rs3741559	49951193	A	COV14	43	1.057	0.08382	0.9332
12	rs461872	49951423	A	ADD	44	0.8121	-0.2794	0.7799
12	rs461872	49951423	A	COV1	44	0.6175	-0.4311	0.6664
12	rs461872	49951423	A	COV2	44	0.8242	-0.235	0.8142
12	rs461872	49951423	A	COV3	44	0.1265	-1.536	0.1246
12	rs461872	49951423	A	COV4	44	14.43	1.823	0.06825
12	rs461872	49951423	A	COV5	44	2.273	1.182	0.2371
12	rs461872	49951423	A	COV6	44	1.233	0.4358	0.663
12	rs461872	49951423	A	COV7	44	1.541	0.6743	0.5001
12	rs461872	49951423	A	COV8	44	0.02463	-2.196	0.02812
12	rs461872	49951423	A	COV9	44	3.318	1.19	0.2342
12	rs461872	49951423	A	COV10	44	0.1685	-1.843	0.06536
12	rs461872	49951423	A	COV11	44	70.95	1.646	0.09966
12	rs461872	49951423	A	COV12	44	0.2186	-1.301	0.1932
12	rs461872	49951423	A	COV13	44	3.673	1.727	0.08409
12	rs461872	49951423	A	COV14	44	0.5715	-0.7173	0.4732
12	rs461872	49951423	A	ADD	42	0.25	-0.8004	0.4235
12	rs461872	49951423	A	COV1	42	1	-5.893e-010	1
12	rs461872	49951423	A	COV2	42	7210	0.005884	0.9953
12	rs461872	49951423	A	COV3	42	1.074e+013	0.006479	0.9948
12	rs461872	49951423	A	COV4	42	5.652e+072	0.01809	0.9856
12	rs461872	49951423	A	COV5	42	7.773e-006	-0.01066	0.9915
12	rs461872	49951423	A	COV6	42	5.219e+014	0.01767	0.9859
12	rs461872	49951423	A	COV7	42	2.126e-009	-0.01803	0.9856
12	rs461872	49951423	A	COV8	42	1.605e-095	-0.02818	0.9775
12	rs461872	49951423	A	COV9	42	2.241e+020	0.01334	0.9894
12	rs461872	49951423	A	COV10	42	4.628e-071	-0.02664	0.9787

Table 12. (continued)

12	rs461872	49951423	A	COV11	42	1.389e+079	0.02516	0.9799
12	rs461872	49951423	A	COV12	42	1.017e-063	-0.02658	0.9788
12	rs461872	49951423	A	COV13	42	1.738e+031	0.02008	0.984
12	rs461872	49951423	A	COV14	42	1.73e-009	-0.01069	0.9915
12	rs467323	49955982	A	ADD	99	1.84	1.076	0.2821
12	rs467323	49955982	A	COV1	99	1.483	0.8154	0.4149
12	rs467323	49955982	A	COV2	99	0.8847	-0.4305	0.6669
12	rs467323	49955982	A	COV3	99	0.7785	-0.5241	0.6002
12	rs467323	49955982	A	COV4	99	1.091	0.1869	0.8518
12	rs467323	49955982	A	COV5	99	1.153	0.6055	0.5449
12	rs467323	49955982	A	COV6	99	1.195	0.8553	0.3924
12	rs467323	49955982	A	COV7	99	0.7301	-1.181	0.2374
12	rs467323	49955982	A	COV8	99	0.8826	-0.4318	0.6659
12	rs467323	49955982	A	COV9	99	1.326	0.8909	0.373
12	rs467323	49955982	A	COV10	99	0.8387	-0.6786	0.4974
12	rs467323	49955982	A	COV11	99	3.306	2.181	0.0292
12	rs467323	49955982	A	COV12	99	0.7121	-0.7709	0.4407
12	rs467323	49955982	A	COV13	99	0.589	-1.61	0.1074
12	rs467323	49955982	A	COV14	99	0.8335	-0.6518	0.5146
12	rs2878771	49958610	C	ADD	220	1.025	0.09035	0.928
12	rs2878771	49958610	C	COV1	220	0.7392	-1.042	0.2972
12	rs2878771	49958610	C	COV2	220	0.8371	-0.9449	0.3447
12	rs2878771	49958610	C	COV3	220	0.9526	-0.189	0.8501
12	rs2878771	49958610	C	COV4	220	1.341	1.015	0.3103
12	rs2878771	49958610	C	COV5	220	1.106	0.7731	0.4395
12	rs2878771	49958610	C	COV6	220	0.9749	-0.1984	0.8427
12	rs2878771	49958610	C	COV7	220	1.091	0.5522	0.5808
12	rs2878771	49958610	C	COV8	220	0.7788	-1.46	0.1443
12	rs2878771	49958610	C	COV9	220	0.9789	-0.1188	0.9054
12	rs2878771	49958610	C	COV10	220	0.8933	-0.7139	0.4753
12	rs2878771	49958610	C	COV11	220	1.939	2.056	0.03975
12	rs2878771	49958610	C	COV12	220	0.788	-1.08	0.28
12	rs2878771	49958610	C	COV13	220	1.007	0.04414	0.9648
12	rs2878771	49958610	C	COV14	220	0.83	-1.102	0.2706
12	rs3736309	49964271	G	ADD	177	0.6695	-1.277	0.2017
12	rs3736309	49964271	G	COV1	177	0.6216	-1.427	0.1536
12	rs3736309	49964271	G	COV2	177	0.7229	-1.452	0.1465
12	rs3736309	49964271	G	COV3	177	1.177	0.5395	0.5895
12	rs3736309	49964271	G	COV4	177	1.231	0.653	0.5137
12	rs3736309	49964271	G	COV5	177	1.206	1.239	0.2152
12	rs3736309	49964271	G	COV6	177	0.8916	-0.797	0.4254
12	rs3736309	49964271	G	COV7	177	1.264	1.317	0.1878
12	rs3736309	49964271	G	COV8	177	0.7357	-1.536	0.1245
12	rs3736309	49964271	G	COV9	177	0.9345	-0.3272	0.7435
12	rs3736309	49964271	G	COV10	177	0.8801	-0.699	0.4845
12	rs3736309	49964271	G	COV11	177	2.08	1.903	0.05705
12	rs3736309	49964271	G	COV12	177	0.7085	-1.37	0.1706
12	rs3736309	49964271	G	COV13	177	0.981	-0.1017	0.919
12	rs3736309	49964271	G	COV14	177	0.7987	-1.151	0.2498
12	rs296763	49969231	C	ADD	217	0.8958	-0.4448	0.6565
12	rs296763	49969231	C	COV1	217	0.7244	-1.102	0.2703
12	rs296763	49969231	C	COV2	217	0.9077	-0.5147	0.6067

Table 12. (continued)

12	rs296763	49969231	C	COV3	217	0.8263	-0.7245	0.4688
12	rs296763	49969231	C	COV4	217	1.31	0.925	0.3549
12	rs296763	49969231	C	COV5	217	1.18	1.243	0.214
12	rs296763	49969231	C	COV6	217	0.9804	-0.1532	0.8782
12	rs296763	49969231	C	COV7	217	1.136	0.8272	0.4081
12	rs296763	49969231	C	COV8	217	0.7712	-1.496	0.1346
12	rs296763	49969231	C	COV9	217	1.058	0.3011	0.7633
12	rs296763	49969231	C	COV10	217	0.8317	-1.125	0.2605
12	rs296763	49969231	C	COV11	217	1.878	1.943	0.05196
12	rs296763	49969231	C	COV12	217	0.7737	-1.147	0.2515
12	rs296763	49969231	C	COV13	217	0.9718	-0.1705	0.8646
12	rs296763	49969231	C	COV14	217	0.8187	-1.143	0.2529
12	rs1996315	49970924	G	ADD	222	0.8186	-0.9911	0.3216
12	rs1996315	49970924	G	COV1	222	0.7234	-1.122	0.2617
12	rs1996315	49970924	G	COV2	222	0.8424	-0.9463	0.344
12	rs1996315	49970924	G	COV3	222	0.9177	-0.3342	0.7382
12	rs1996315	49970924	G	COV4	222	1.309	0.9349	0.3499
12	rs1996315	49970924	G	COV5	222	1.126	0.905	0.3655
12	rs1996315	49970924	G	COV6	222	0.9726	-0.2198	0.826
12	rs1996315	49970924	G	COV7	222	1.083	0.5193	0.6036
12	rs1996315	49970924	G	COV8	222	0.7805	-1.453	0.1461
12	rs1996315	49970924	G	COV9	222	0.9802	-0.1106	0.912
12	rs1996315	49970924	G	COV10	222	0.903	-0.6237	0.5328
12	rs1996315	49970924	G	COV11	222	1.867	1.948	0.05139
12	rs1996315	49970924	G	COV12	222	0.871	-0.6427	0.5204
12	rs1996315	49970924	G	COV13	222	0.9776	-0.1362	0.8917
12	rs1996315	49970924	G	COV14	222	0.7983	-1.328	0.1841
14	rs1997532	21729203	C	ADD	211	0.8134	-0.8687	0.385
14	rs1997532	21729203	C	COV1	211	0.6973	-1.204	0.2286
14	rs1997532	21729203	C	COV2	211	0.8334	-0.9354	0.3496
14	rs1997532	21729203	C	COV3	211	0.944	-0.2202	0.8257
14	rs1997532	21729203	C	COV4	211	1.302	0.9008	0.3677
14	rs1997532	21729203	C	COV5	211	1.167	1.147	0.2514
14	rs1997532	21729203	C	COV6	211	0.9509	-0.384	0.701
14	rs1997532	21729203	C	COV7	211	1.17	0.9743	0.3299
14	rs1997532	21729203	C	COV8	211	0.7585	-1.616	0.1061
14	rs1997532	21729203	C	COV9	211	1.06	0.309	0.7573
14	rs1997532	21729203	C	COV10	211	0.8454	-1.031	0.3023
14	rs1997532	21729203	C	COV11	211	1.645	1.513	0.1302
14	rs1997532	21729203	C	COV12	211	0.8313	-0.8493	0.3957
14	rs1997532	21729203	C	COV13	211	0.9671	-0.1942	0.8461
14	rs1997532	21729203	C	COV14	211	0.8259	-1.101	0.2711
14	rs1997533	21729284	C	ADD	164	1.11	0.4007	0.6887
14	rs1997533	21729284	C	COV1	164	0.8696	-0.4104	0.6815
14	rs1997533	21729284	C	COV2	164	0.8469	-0.7832	0.4335
14	rs1997533	21729284	C	COV3	164	0.8747	-0.4559	0.6485
14	rs1997533	21729284	C	COV4	164	1.111	0.3151	0.7527
14	rs1997533	21729284	C	COV5	164	1.141	0.8805	0.3786
14	rs1997533	21729284	C	COV6	164	1.007	0.0512	0.9592
14	rs1997533	21729284	C	COV7	164	1.071	0.3853	0.7
14	rs1997533	21729284	C	COV8	164	0.7252	-1.656	0.09769
14	rs1997533	21729284	C	COV9	164	1.014	0.06119	0.9512

Table 12. (continued)

14	rs1997533	21729284	C	COV10	164	0.8264	-1.054	0.2921
14	rs1997533	21729284	C	COV11	164	1.704	1.494	0.1353
14	rs1997533	21729284	C	COV12	164	0.8885	-0.4956	0.6202
14	rs1997533	21729284	C	COV13	164	1.012	0.06531	0.9479
14	rs1997533	21729284	C	COV14	164	0.8321	-0.9403	0.347
14	rs7150049	21733607	G	ADD	196	1.1	0.4418	0.6586
14	rs7150049	21733607	G	COV1	196	0.8227	-0.6301	0.5286
14	rs7150049	21733607	G	COV2	196	0.8543	-0.76	0.4473
14	rs7150049	21733607	G	COV3	196	0.8439	-0.6061	0.5444
14	rs7150049	21733607	G	COV4	196	1.244	0.722	0.4703
14	rs7150049	21733607	G	COV5	196	1.184	1.17	0.2418
14	rs7150049	21733607	G	COV6	196	1.025	0.1831	0.8547
14	rs7150049	21733607	G	COV7	196	1.065	0.3808	0.7033
14	rs7150049	21733607	G	COV8	196	0.7576	-1.515	0.1299
14	rs7150049	21733607	G	COV9	196	1.005	0.02701	0.9785
14	rs7150049	21733607	G	COV10	196	0.8837	-0.7253	0.4683
14	rs7150049	21733607	G	COV11	196	1.894	1.88	0.06004
14	rs7150049	21733607	G	COV12	196	0.9457	-0.2437	0.8075
14	rs7150049	21733607	G	COV13	196	0.9067	-0.5395	0.5896
14	rs7150049	21733607	G	COV14	196	0.8389	-0.9576	0.3383
14	rs8011979	21733619	T	ADD	182	0.9257	-0.2971	0.7664
14	rs8011979	21733619	T	COV1	182	0.6783	-1.182	0.2371
14	rs8011979	21733619	T	COV2	182	0.8201	-0.9788	0.3277
14	rs8011979	21733619	T	COV3	182	0.8747	-0.4632	0.6432
14	rs8011979	21733619	T	COV4	182	1.321	0.8466	0.3972
14	rs8011979	21733619	T	COV5	182	1.173	1.093	0.2742
14	rs8011979	21733619	T	COV6	182	1.082	0.5412	0.5883
14	rs8011979	21733619	T	COV7	182	1.207	1.088	0.2767
14	rs8011979	21733619	T	COV8	182	0.671	-2.03	0.04236
14	rs8011979	21733619	T	COV9	182	1.115	0.5302	0.596
14	rs8011979	21733619	T	COV10	182	0.7883	-1.327	0.1844
14	rs8011979	21733619	T	COV11	182	2.148	2.009	0.04451
14	rs8011979	21733619	T	COV12	182	0.6713	-1.569	0.1167
14	rs8011979	21733619	T	COV13	182	0.9129	-0.5065	0.6125
14	rs8011979	21733619	T	COV14	182	0.9973	-0.01403	0.9888
14	rs4903399	76308859	T	ADD	204	1.236	0.7875	0.431
14	rs4903399	76308859	T	COV1	204	0.6666	-1.328	0.1843
14	rs4903399	76308859	T	COV2	204	0.8671	-0.7308	0.4649
14	rs4903399	76308859	T	COV3	204	0.8313	-0.6858	0.4928
14	rs4903399	76308859	T	COV4	204	1.305	0.879	0.3794
14	rs4903399	76308859	T	COV5	204	1.19	1.26	0.2075
14	rs4903399	76308859	T	COV6	204	1.007	0.05554	0.9557
14	rs4903399	76308859	T	COV7	204	1.143	0.8287	0.4073
14	rs4903399	76308859	T	COV8	204	0.7647	-1.502	0.133
14	rs4903399	76308859	T	COV9	204	1.016	0.0864	0.9312
14	rs4903399	76308859	T	COV10	204	0.8547	-0.9366	0.349
14	rs4903399	76308859	T	COV11	204	1.96	1.985	0.04718
14	rs4903399	76308859	T	COV12	204	0.7833	-1.066	0.2863
14	rs4903399	76308859	T	COV13	204	0.9799	-0.1177	0.9063
14	rs4903399	76308859	T	COV14	204	0.8373	-0.9988	0.3179
14	rs6574293	76404257	A	ADD	197	0.7774	-0.767	0.4431
14	rs6574293	76404257	A	COV1	197	0.6469	-1.427	0.1535

Table 12. (continued)

14	rs6574293	76404257	A	COV2	197	0.848	-0.8384	0.4018
14	rs6574293	76404257	A	COV3	197	0.8857	-0.4548	0.6492
14	rs6574293	76404257	A	COV4	197	1.229	0.6996	0.4842
14	rs6574293	76404257	A	COV5	197	1.045	0.3141	0.7535
14	rs6574293	76404257	A	COV6	197	0.9572	-0.3316	0.7402
14	rs6574293	76404257	A	COV7	197	1.182	1.045	0.2962
14	rs6574293	76404257	A	COV8	197	0.8188	-1.093	0.2746
14	rs6574293	76404257	A	COV9	197	1.022	0.1119	0.9109
14	rs6574293	76404257	A	COV10	197	0.908	-0.5762	0.5645
14	rs6574293	76404257	A	COV11	197	1.776	1.692	0.09057
14	rs6574293	76404257	A	COV12	197	0.8496	-0.7412	0.4586
14	rs6574293	76404257	A	COV13	197	0.9799	-0.114	0.9092
14	rs6574293	76404257	A	COV14	197	0.8	-1.239	0.2152
14	rs10132091	76404475	C	ADD	198	0.6855	-1.816	0.06935
14	rs10132091	76404475	C	COV1	198	0.795	-0.748	0.4544
14	rs10132091	76404475	C	COV2	198	0.8307	-0.9358	0.3494
14	rs10132091	76404475	C	COV3	198	0.9493	-0.193	0.847
14	rs10132091	76404475	C	COV4	198	1.338	0.9691	0.3325
14	rs10132091	76404475	C	COV5	198	1.036	0.2547	0.799
14	rs10132091	76404475	C	COV6	198	0.9663	-0.263	0.7925
14	rs10132091	76404475	C	COV7	198	1.159	0.8959	0.3703
14	rs10132091	76404475	C	COV8	198	0.7618	-1.523	0.1276
14	rs10132091	76404475	C	COV9	198	1.091	0.4668	0.6407
14	rs10132091	76404475	C	COV10	198	0.9944	-0.03392	0.9729
14	rs10132091	76404475	C	COV11	198	1.6	1.431	0.1526
14	rs10132091	76404475	C	COV12	198	0.8628	-0.6673	0.5046
14	rs10132091	76404475	C	COV13	198	0.9021	-0.5786	0.5629
14	rs10132091	76404475	C	COV14	198	0.7796	-1.38	0.1677
14	rs1077430	76431334	A	ADD	175	1.211	0.7854	0.4322
14	rs1077430	76431334	A	COV1	175	0.8347	-0.5394	0.5896
14	rs1077430	76431334	A	COV2	175	0.7545	-1.281	0.2001
14	rs1077430	76431334	A	COV3	175	0.9022	-0.3479	0.7279
14	rs1077430	76431334	A	COV4	175	1.169	0.462	0.6441
14	rs1077430	76431334	A	COV5	175	1.109	0.6738	0.5004
14	rs1077430	76431334	A	COV6	175	0.9975	-0.01796	0.9857
14	rs1077430	76431334	A	COV7	175	1.237	1.188	0.2348
14	rs1077430	76431334	A	COV8	175	0.6942	-1.827	0.06775
14	rs1077430	76431334	A	COV9	175	1.146	0.6581	0.5105
14	rs1077430	76431334	A	COV10	175	0.8944	-0.6035	0.5462
14	rs1077430	76431334	A	COV11	175	2.003	1.809	0.07039
14	rs1077430	76431334	A	COV12	175	0.8475	-0.6574	0.5109
14	rs1077430	76431334	A	COV13	175	0.8532	-0.8041	0.4214
14	rs1077430	76431334	A	COV14	175	0.9696	-0.1536	0.8779
14	rs745011	76450932	C	ADD	195	1.077	0.3623	0.7171
14	rs745011	76450932	C	COV1	195	0.8522	-0.5184	0.6042
14	rs745011	76450932	C	COV2	195	0.8137	-1.015	0.3102
14	rs745011	76450932	C	COV3	195	0.8595	-0.5409	0.5885
14	rs745011	76450932	C	COV4	195	1.227	0.6617	0.5081
14	rs745011	76450932	C	COV5	195	1.155	1.015	0.3103
14	rs745011	76450932	C	COV6	195	0.9463	-0.4075	0.6836
14	rs745011	76450932	C	COV7	195	1.159	0.8684	0.3852
14	rs745011	76450932	C	COV8	195	0.7164	-1.785	0.07424

Table 12. (continued)

14	rs745011	76450932	C	COV9	195	0.9627	-0.1935	0.8465
14	rs745011	76450932	C	COV10	195	0.8316	-1.035	0.3005
14	rs745011	76450932	C	COV11	195	1.915	1.831	0.06712
14	rs745011	76450932	C	COV12	195	0.8468	-0.696	0.4864
14	rs745011	76450932	C	COV13	195	1.105	0.5579	0.5769
14	rs745011	76450932	C	COV14	195	0.8306	-1.029	0.3036
14	rs1676303	76525821	C	ADD	208	1.29	0.8338	0.4044
14	rs1676303	76525821	C	COV1	208	0.7432	-0.9882	0.3231
14	rs1676303	76525821	C	COV2	208	0.866	-0.7465	0.4553
14	rs1676303	76525821	C	COV3	208	0.8126	-0.7693	0.4417
14	rs1676303	76525821	C	COV4	208	1.193	0.5927	0.5534
14	rs1676303	76525821	C	COV5	208	1.205	1.351	0.1767
14	rs1676303	76525821	C	COV6	208	1.007	0.05621	0.9552
14	rs1676303	76525821	C	COV7	208	1.162	0.9501	0.342
14	rs1676303	76525821	C	COV8	208	0.7545	-1.571	0.1163
14	rs1676303	76525821	C	COV9	208	1.03	0.1596	0.8732
14	rs1676303	76525821	C	COV10	208	0.8184	-1.186	0.2357
14	rs1676303	76525821	C	COV11	208	1.772	1.696	0.08992
14	rs1676303	76525821	C	COV12	208	0.8393	-0.7763	0.4376
14	rs1676303	76525821	C	COV13	208	1.045	0.254	0.7995
14	rs1676303	76525821	C	COV14	208	0.8449	-0.956	0.3391
14	rs2860216	76539665	C	ADD	196	1.149	0.6318	0.5275
14	rs2860216	76539665	C	COV1	196	0.6742	-1.27	0.2041
14	rs2860216	76539665	C	COV2	196	0.9156	-0.435	0.6636
14	rs2860216	76539665	C	COV3	196	0.9999	-0.0004802	0.9996
14	rs2860216	76539665	C	COV4	196	1.116	0.359	0.7196
14	rs2860216	76539665	C	COV5	196	1.15	1.015	0.3102
14	rs2860216	76539665	C	COV6	196	0.9466	-0.4104	0.6815
14	rs2860216	76539665	C	COV7	196	1.146	0.8457	0.3977
14	rs2860216	76539665	C	COV8	196	0.7994	-1.304	0.1921
14	rs2860216	76539665	C	COV9	196	0.9984	-0.008204	0.9935
14	rs2860216	76539665	C	COV10	196	0.8737	-0.784	0.433
14	rs2860216	76539665	C	COV11	196	1.898	1.892	0.05855
14	rs2860216	76539665	C	COV12	196	0.8272	-0.8337	0.4045
14	rs2860216	76539665	C	COV13	196	1.019	0.1086	0.9136
14	rs2860216	76539665	C	COV14	196	0.8185	-1.14	0.2542
17	rs2619112	4632090	A	ADD	200	0.838	-0.7264	0.4676
17	rs2619112	4632090	A	COV1	200	0.7404	-0.988	0.3231
17	rs2619112	4632090	A	COV2	200	0.8038	-1.091	0.2753
17	rs2619112	4632090	A	COV3	200	0.9756	-0.08675	0.9309
17	rs2619112	4632090	A	COV4	200	1.34	0.9782	0.328
17	rs2619112	4632090	A	COV5	200	1.103	0.6936	0.4879
17	rs2619112	4632090	A	COV6	200	0.9618	-0.2926	0.7698
17	rs2619112	4632090	A	COV7	200	1.057	0.3391	0.7345
17	rs2619112	4632090	A	COV8	200	0.7279	-1.708	0.08764
17	rs2619112	4632090	A	COV9	200	1.017	0.08797	0.9299
17	rs2619112	4632090	A	COV10	200	0.8398	-1.031	0.3027
17	rs2619112	4632090	A	COV11	200	2.122	2.091	0.03649
17	rs2619112	4632090	A	COV12	200	0.8569	-0.6699	0.5029
17	rs2619112	4632090	A	COV13	200	1.046	0.2563	0.7977
17	rs2619112	4632090	A	COV14	200	0.8009	-1.213	0.2252
17	rs7217186	4636097	C	ADD	45	0.7236	-0.41	0.6818

Table 12. (continued)

17	rs7217186	4636097	C	COV1	45	0.1058	-1.91	0.05607
17	rs7217186	4636097	C	COV2	45	0.552	-0.8718	0.3833
17	rs7217186	4636097	C	COV3	45	1.139	0.1509	0.88
17	rs7217186	4636097	C	COV4	45	7.732	2.066	0.03879
17	rs7217186	4636097	C	COV5	45	1.161	0.4169	0.6767
17	rs7217186	4636097	C	COV6	45	0.5811	-1.151	0.2499
17	rs7217186	4636097	C	COV7	45	1.223	0.384	0.701
17	rs7217186	4636097	C	COV8	45	0.5061	-1.036	0.3001
17	rs7217186	4636097	C	COV9	45	1.19	0.229	0.8189
17	rs7217186	4636097	C	COV10	45	1.156	0.2116	0.8324
17	rs7217186	4636097	C	COV11	45	4.761	1.617	0.1058
17	rs7217186	4636097	C	COV12	45	1.185	0.2696	0.7875
17	rs7217186	4636097	C	COV13	45	0.9373	-0.1349	0.8927
17	rs7217186	4636097	C	COV14	45	0.3056	-2.004	0.04507
19	rs2235091	50907215	C	ADD	208	1.555	2.008	0.04467
19	rs2235091	50907215	C	COV1	208	0.7614	-0.8977	0.3693
19	rs2235091	50907215	C	COV2	208	0.8404	-0.9004	0.3679
19	rs2235091	50907215	C	COV3	208	0.9708	-0.1088	0.9133
19	rs2235091	50907215	C	COV4	208	1.357	0.9887	0.3228
19	rs2235091	50907215	C	COV5	208	1.093	0.649	0.5163
19	rs2235091	50907215	C	COV6	208	0.9191	-0.6308	0.5282
19	rs2235091	50907215	C	COV7	208	1.123	0.7217	0.4705
19	rs2235091	50907215	C	COV8	208	0.7996	-1.283	0.1996
19	rs2235091	50907215	C	COV9	208	1.083	0.417	0.6767
19	rs2235091	50907215	C	COV10	208	0.8131	-1.255	0.2094
19	rs2235091	50907215	C	COV11	208	2.071	2.123	0.03377
19	rs2235091	50907215	C	COV12	208	0.8014	-0.9514	0.3414
19	rs2235091	50907215	C	COV13	208	0.9346	-0.3938	0.6937
19	rs2235091	50907215	C	COV14	208	0.8448	-0.9386	0.3479
19	rs198968	50910072	A	ADD	186	0.8652	-0.5177	0.6047
19	rs198968	50910072	A	COV1	186	0.8546	-0.4862	0.6268
19	rs198968	50910072	A	COV2	186	0.8505	-0.7825	0.4339
19	rs198968	50910072	A	COV3	186	0.8691	-0.4963	0.6197
19	rs198968	50910072	A	COV4	186	1.05	0.1567	0.8755
19	rs198968	50910072	A	COV5	186	1.29	1.746	0.08078
19	rs198968	50910072	A	COV6	186	1.023	0.1547	0.877
19	rs198968	50910072	A	COV7	186	1.207	1.038	0.2995
19	rs198968	50910072	A	COV8	186	0.7196	-1.701	0.0889
19	rs198968	50910072	A	COV9	186	0.8504	-0.7449	0.4563
19	rs198968	50910072	A	COV10	186	0.8606	-0.8686	0.3851
19	rs198968	50910072	A	COV11	186	1.878	1.694	0.09035
19	rs198968	50910072	A	COV12	186	0.8527	-0.6593	0.5097
19	rs198968	50910072	A	COV13	186	1.043	0.2299	0.8182
19	rs198968	50910072	A	COV14	186	0.8487	-0.8734	0.3825
22	rs5997096	12345610	T	ADD	166	1.95	2.496	0.01257
22	rs5997096	12345610	T	COV1	166	0.8644	-0.4114	0.6808
22	rs5997096	12345610	T	COV2	166	0.6929	-1.603	0.109
22	rs5997096	12345610	T	COV3	166	1.03	0.08882	0.9292
22	rs5997096	12345610	T	COV4	166	0.9792	-0.05747	0.9542
22	rs5997096	12345610	T	COV5	166	1.061	0.3786	0.705
22	rs5997096	12345610	T	COV6	166	0.8229	-1.243	0.2138
22	rs5997096	12345610	T	COV7	166	1.213	1.032	0.3021

Table 12. (continued)

22	rs5997096	12345610	T	COV8	166	0.7776	-1.212	0.2256
22	rs5997096	12345610	T	COV9	166	1.092	0.4061	0.6847
22	rs5997096	12345610	T	COV10	166	0.9276	-0.3954	0.6926
22	rs5997096	12345610	T	COV11	166	2.48	2.198	0.02797
22	rs5997096	12345610	T	COV12	166	0.7373	-1.135	0.2562
22	rs5997096	12345610	T	COV13	166	1.014	0.07137	0.9431
22	rs5997096	12345610	T	COV14	166	1.04	0.1932	0.8468
23	rs946252	123456	T	ADD	174	NA	NA	NA
23	rs946252	123456	T	SEX	174	NA	NA	NA
23	rs946252	123456	T	COV1	174	NA	NA	NA
23	rs946252	123456	T	COV2	174	NA	NA	NA
23	rs946252	123456	T	COV3	174	NA	NA	NA
23	rs946252	123456	T	COV4	174	NA	NA	NA
23	rs946252	123456	T	COV5	174	NA	NA	NA
23	rs946252	123456	T	COV6	174	NA	NA	NA
23	rs946252	123456	T	COV7	174	NA	NA	NA
23	rs946252	123456	T	COV8	174	NA	NA	NA
23	rs946252	123456	T	COV9	174	NA	NA	NA
23	rs946252	123456	T	COV10	174	NA	NA	NA
23	rs946252	123456	T	COV11	174	NA	NA	NA
23	rs946252	123456	T	COV12	174	NA	NA	NA
23	rs946252	123456	T	COV13	174	NA	NA	NA
23	rs946252	123456	T	COV14	174	NA	NA	NA
Very High Caries vs. No Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	234	0.6918	-1.429	0.1529
1	rs7526319	1234567	T	COV1	234	0.9965	-0.01217	0.9903
1	rs7526319	1234567	T	COV2	234	1.088	0.4667	0.6407
1	rs7526319	1234567	T	COV3	234	0.7897	-0.9356	0.3495
1	rs7526319	1234567	T	COV4	234	0.7703	-0.9067	0.3646
1	rs7526319	1234567	T	COV5	234	1.247	1.717	0.08606
1	rs7526319	1234567	T	COV6	234	1.235	1.623	0.1047
1	rs7526319	1234567	T	COV7	234	0.9191	-0.541	0.5885
1	rs7526319	1234567	T	COV8	234	1.041	0.1811	0.8563
1	rs7526319	1234567	T	COV9	234	1.633	2.503	0.01231
1	rs7526319	1234567	T	COV10	234	1.032	0.2009	0.8407
1	rs7526319	1234567	T	COV11	234	0.6391	-1.027	0.3045
1	rs7526319	1234567	T	COV12	234	1.03	0.1071	0.9147
1	rs7526319	1234567	T	COV13	234	0.8833	-0.747	0.455
1	rs7526319	1234567	T	COV14	234	0.9703	-0.183	0.8548
1	rs9701796	18859635	G	ADD	315	0.8919	-0.5524	0.5806
1	rs9701796	18859635	G	COV1	315	0.9018	-0.4302	0.667
1	rs9701796	18859635	G	COV2	315	1.078	0.5066	0.6124
1	rs9701796	18859635	G	COV3	315	0.7481	-1.422	0.1551
1	rs9701796	18859635	G	COV4	315	1	0.0009265	0.9993
1	rs9701796	18859635	G	COV5	315	1.041	0.3815	0.7028
1	rs9701796	18859635	G	COV6	315	1.087	0.7935	0.4275
1	rs9701796	18859635	G	COV7	315	0.9243	-0.6437	0.5198
1	rs9701796	18859635	G	COV8	315	1.151	0.7846	0.4327
1	rs9701796	18859635	G	COV9	315	1.476	2.463	0.01378
1	rs9701796	18859635	G	COV10	315	0.979	-0.1579	0.8746

Table 12. (continued)

1	rs9701796	18859635	G	COV11	315	0.6039	-1.702	0.08877
1	rs9701796	18859635	G	COV12	315	1.127	0.5819	0.5606
1	rs9701796	18859635	G	COV13	315	0.9835	-0.1252	0.9004
1	rs9701796	18859635	G	COV14	315	1.104	0.7265	0.4675
4	rs4694075	1234568	T	ADD	244	1.121	0.5436	0.5867
4	rs4694075	1234568	T	COV1	244	0.9355	-0.2341	0.8149
4	rs4694075	1234568	T	COV2	244	1.052	0.2706	0.7867
4	rs4694075	1234568	T	COV3	244	0.8806	-0.5083	0.6113
4	rs4694075	1234568	T	COV4	244	0.7906	-0.8079	0.4192
4	rs4694075	1234568	T	COV5	244	1.152	1.122	0.2617
4	rs4694075	1234568	T	COV6	244	1.196	1.397	0.1624
4	rs4694075	1234568	T	COV7	244	0.8829	-0.7929	0.4278
4	rs4694075	1234568	T	COV8	244	1.175	0.7243	0.4689
4	rs4694075	1234568	T	COV9	244	1.756	2.87	0.004106
4	rs4694075	1234568	T	COV10	244	0.9381	-0.4097	0.682
4	rs4694075	1234568	T	COV11	244	0.5392	-1.431	0.1524
4	rs4694075	1234568	T	COV12	244	1.124	0.4231	0.6722
4	rs4694075	1234568	T	COV13	244	0.8772	-0.7966	0.4257
4	rs4694075	1234568	T	COV14	244	0.922	-0.501	0.6164
4	rs12640848	1234569	A	ADD	236	0.7995	-1.263	0.2067
4	rs12640848	1234569	A	COV1	236	0.888	-0.4113	0.6809
4	rs12640848	1234569	A	COV2	236	1.184	0.9695	0.3323
4	rs12640848	1234569	A	COV3	236	0.8799	-0.5193	0.6036
4	rs12640848	1234569	A	COV4	236	0.8705	-0.4909	0.6235
4	rs12640848	1234569	A	COV5	236	1.142	1.06	0.2892
4	rs12640848	1234569	A	COV6	236	1.143	1.034	0.301
4	rs12640848	1234569	A	COV7	236	0.9443	-0.3705	0.711
4	rs12640848	1234569	A	COV8	236	1.12	0.5211	0.6023
4	rs12640848	1234569	A	COV9	236	1.397	1.837	0.06616
4	rs12640848	1234569	A	COV10	236	1.028	0.1739	0.8619
4	rs12640848	1234569	A	COV11	236	0.6043	-1.182	0.2373
4	rs12640848	1234569	A	COV12	236	1.001	0.003828	0.9969
4	rs12640848	1234569	A	COV13	236	0.9167	-0.5374	0.591
4	rs12640848	1234569	A	COV14	236	0.9678	-0.2038	0.8385
5	rs375129	4952722	T	ADD	272	1.033	0.1902	0.8492
5	rs375129	4952722	T	COV1	272	0.8591	-0.5718	0.5674
5	rs375129	4952722	T	COV2	272	1.126	0.7274	0.467
5	rs375129	4952722	T	COV3	272	0.6315	-1.997	0.04578
5	rs375129	4952722	T	COV4	272	0.927	-0.2977	0.766
5	rs375129	4952722	T	COV5	272	1.086	0.7084	0.4787
5	rs375129	4952722	T	COV6	272	1.089	0.7434	0.4572
5	rs375129	4952722	T	COV7	272	0.9312	-0.5061	0.6128
5	rs375129	4952722	T	COV8	272	1.081	0.4116	0.6806
5	rs375129	4952722	T	COV9	272	1.653	2.786	0.005332
5	rs375129	4952722	T	COV10	272	1.019	0.1257	0.9
5	rs375129	4952722	T	COV11	272	0.6211	-1.487	0.1371
5	rs375129	4952722	T	COV12	272	1.032	0.146	0.8839
5	rs375129	4952722	T	COV13	272	0.9839	-0.1134	0.9097
5	rs375129	4952722	T	COV14	272	1.205	1.243	0.214
5	rs27565	60541764	A	ADD	187	1.17	0.6277	0.5302
5	rs27565	60541764	A	COV1	187	0.7454	-0.8789	0.3794
5	rs27565	60541764	A	COV2	187	1.103	0.4525	0.6509

Table 12. (continued)

5	rs27565	60541764	A	COV3	187	0.7715	-0.9187	0.3582
5	rs27565	60541764	A	COV4	187	0.6652	-1.199	0.2304
5	rs27565	60541764	A	COV5	187	1.076	0.4909	0.6235
5	rs27565	60541764	A	COV6	187	1.156	0.9913	0.3216
5	rs27565	60541764	A	COV7	187	1.032	0.1824	0.8552
5	rs27565	60541764	A	COV8	187	0.9142	-0.3872	0.6986
5	rs27565	60541764	A	COV9	187	2.145	3.144	0.001665
5	rs27565	60541764	A	COV10	187	0.9812	-0.1023	0.9185
5	rs27565	60541764	A	COV11	187	0.5048	-1.572	0.1159
5	rs27565	60541764	A	COV12	187	0.9386	-0.231	0.8173
5	rs27565	60541764	A	COV13	187	1.107	0.5725	0.567
5	rs27565	60541764	A	COV14	187	0.9195	-0.4378	0.6615
5	rs6862039	73503170	A	ADD	280	0.6755	-1.409	0.1588
5	rs6862039	73503170	A	COV1	280	0.9947	-0.02051	0.9836
5	rs6862039	73503170	A	COV2	280	1.053	0.3267	0.7439
5	rs6862039	73503170	A	COV3	280	0.6978	-1.625	0.1042
5	rs6862039	73503170	A	COV4	280	1.053	0.2052	0.8374
5	rs6862039	73503170	A	COV5	280	1.091	0.7657	0.4439
5	rs6862039	73503170	A	COV6	280	1.13	1.071	0.2843
5	rs6862039	73503170	A	COV7	280	0.8982	-0.8188	0.4129
5	rs6862039	73503170	A	COV8	280	0.9711	-0.1591	0.8736
5	rs6862039	73503170	A	COV9	280	1.458	2.25	0.02445
5	rs6862039	73503170	A	COV10	280	0.9382	-0.4243	0.6714
5	rs6862039	73503170	A	COV11	280	0.7791	-0.704	0.4814
5	rs6862039	73503170	A	COV12	280	0.9173	-0.3807	0.7034
5	rs6862039	73503170	A	COV13	280	1.118	0.7901	0.4295
5	rs6862039	73503170	A	COV14	280	1.149	0.9285	0.3532
7	rs17159702	30919387	C	ADD	310	0.6741	-2.289	0.0221
7	rs17159702	30919387	C	COV1	310	0.9422	-0.2414	0.8092
7	rs17159702	30919387	C	COV2	310	1.197	1.177	0.2391
7	rs17159702	30919387	C	COV3	310	0.6952	-1.656	0.09767
7	rs17159702	30919387	C	COV4	310	0.921	-0.3381	0.7353
7	rs17159702	30919387	C	COV5	310	1.162	1.411	0.1584
7	rs17159702	30919387	C	COV6	310	1.131	1.106	0.2688
7	rs17159702	30919387	C	COV7	310	0.9507	-0.4037	0.6865
7	rs17159702	30919387	C	COV8	310	1.042	0.2323	0.8163
7	rs17159702	30919387	C	COV9	310	1.363	1.926	0.05404
7	rs17159702	30919387	C	COV10	310	1.068	0.486	0.627
7	rs17159702	30919387	C	COV11	310	0.5327	-1.959	0.05013
7	rs17159702	30919387	C	COV12	310	1.067	0.3073	0.7586
7	rs17159702	30919387	C	COV13	310	1.027	0.192	0.8477
7	rs17159702	30919387	C	COV14	310	1.101	0.6879	0.4915
7	rs10246939	141972804	C	ADD	285	1.013	0.06859	0.9453
7	rs10246939	141972804	C	COV1	285	0.749	-1.131	0.2581
7	rs10246939	141972804	C	COV2	285	1.046	0.2843	0.7762
7	rs10246939	141972804	C	COV3	285	0.7505	-1.315	0.1886
7	rs10246939	141972804	C	COV4	285	0.9072	-0.4008	0.6886
7	rs10246939	141972804	C	COV5	285	1.012	0.1016	0.9191
7	rs10246939	141972804	C	COV6	285	1.156	1.262	0.2068
7	rs10246939	141972804	C	COV7	285	0.8864	-0.9039	0.366
7	rs10246939	141972804	C	COV8	285	1.105	0.5011	0.6163
7	rs10246939	141972804	C	COV9	285	1.571	2.674	0.007497

Table 12. (continued)

7	rs10246939	141972804	C	COV10	285	0.9659	-0.2435	0.8076
7	rs10246939	141972804	C	COV11	285	0.7827	-0.7606	0.4469
7	rs10246939	141972804	C	COV12	285	1.012	0.0555	0.9557
7	rs10246939	141972804	C	COV13	285	1.015	0.1064	0.9152
7	rs10246939	141972804	C	COV14	285	1.141	0.9038	0.3661
7	rs1726866	141972905	T	ADD	300	1.097	0.4988	0.6179
7	rs1726866	141972905	T	COV1	300	0.9167	-0.3495	0.7267
7	rs1726866	141972905	T	COV2	300	1.031	0.2014	0.8403
7	rs1726866	141972905	T	COV3	300	0.7731	-1.212	0.2256
7	rs1726866	141972905	T	COV4	300	0.9821	-0.07554	0.9398
7	rs1726866	141972905	T	COV5	300	0.9748	-0.2356	0.8138
7	rs1726866	141972905	T	COV6	300	1.069	0.6234	0.533
7	rs1726866	141972905	T	COV7	300	0.8901	-0.915	0.3602
7	rs1726866	141972905	T	COV8	300	1.195	0.9678	0.3331
7	rs1726866	141972905	T	COV9	300	1.473	2.382	0.01723
7	rs1726866	141972905	T	COV10	300	1.008	0.05932	0.9527
7	rs1726866	141972905	T	COV11	300	0.5898	-1.726	0.08435
7	rs1726866	141972905	T	COV12	300	1.147	0.656	0.5118
7	rs1726866	141972905	T	COV13	300	0.9794	-0.1528	0.8785
7	rs1726866	141972905	T	COV14	300	1.073	0.5014	0.6161
7	rs713598	141973545	G	ADD	284	1.106	0.5043	0.614
7	rs713598	141973545	G	COV1	284	0.8616	-0.5834	0.5596
7	rs713598	141973545	G	COV2	284	1.019	0.1159	0.9077
7	rs713598	141973545	G	COV3	284	0.8198	-0.912	0.3618
7	rs713598	141973545	G	COV4	284	1.072	0.2877	0.7736
7	rs713598	141973545	G	COV5	284	1.023	0.2014	0.8404
7	rs713598	141973545	G	COV6	284	1.055	0.4812	0.6303
7	rs713598	141973545	G	COV7	284	0.9579	-0.3236	0.7463
7	rs713598	141973545	G	COV8	284	1.007	0.03691	0.9706
7	rs713598	141973545	G	COV9	284	1.52	2.549	0.01079
7	rs713598	141973545	G	COV10	284	0.9053	-0.7047	0.481
7	rs713598	141973545	G	COV11	284	0.6587	-1.35	0.177
7	rs713598	141973545	G	COV12	284	1.046	0.206	0.8368
7	rs713598	141973545	G	COV13	284	0.9528	-0.3496	0.7267
7	rs713598	141973545	G	COV14	284	1.077	0.5142	0.6071
8	rs11362	6877877	G	ADD	249	0.8505	-0.7937	0.4273
8	rs11362	6877877	G	COV1	249	1.008	0.02786	0.9778
8	rs11362	6877877	G	COV2	249	1.02	0.117	0.9069
8	rs11362	6877877	G	COV3	249	0.6185	-2.113	0.03464
8	rs11362	6877877	G	COV4	249	1.419	1.333	0.1824
8	rs11362	6877877	G	COV5	249	1.001	0.01021	0.9919
8	rs11362	6877877	G	COV6	249	1.048	0.4108	0.6812
8	rs11362	6877877	G	COV7	249	0.9915	-0.06286	0.9499
8	rs11362	6877877	G	COV8	249	0.9819	-0.09269	0.9261
8	rs11362	6877877	G	COV9	249	1.366	1.744	0.08115
8	rs11362	6877877	G	COV10	249	1.05	0.3239	0.746
8	rs11362	6877877	G	COV11	249	0.5904	-1.57	0.1164
8	rs11362	6877877	G	COV12	249	1.218	0.8315	0.4057
8	rs11362	6877877	G	COV13	249	1.098	0.6056	0.5448
8	rs11362	6877877	G	COV14	249	1.058	0.3749	0.7077
8	rs1800972	6877901	C	ADD	149	1.11	0.3093	0.7571
8	rs1800972	6877901	C	COV1	149	1.043	0.1113	0.9114

Table 12. (continued)

8	rs1800972	6877901	C	COV2	149	0.8227	-0.8626	0.3883
8	rs1800972	6877901	C	COV3	149	0.6503	-1.444	0.1487
8	rs1800972	6877901	C	COV4	149	0.8547	-0.4311	0.6664
8	rs1800972	6877901	C	COV5	149	1.144	0.8255	0.4091
8	rs1800972	6877901	C	COV6	149	1.338	1.741	0.08172
8	rs1800972	6877901	C	COV7	149	0.9415	-0.3181	0.7504
8	rs1800972	6877901	C	COV8	149	1.121	0.42	0.6745
8	rs1800972	6877901	C	COV9	149	1.491	1.728	0.084
8	rs1800972	6877901	C	COV10	149	1.102	0.4972	0.6191
8	rs1800972	6877901	C	COV11	149	0.5619	-1.255	0.2095
8	rs1800972	6877901	C	COV12	149	1.133	0.3793	0.7044
8	rs1800972	6877901	C	COV13	149	0.941	-0.2937	0.769
8	rs1800972	6877901	C	COV14	149	1.113	0.4897	0.6244
12	rs3741559	49951193	A	ADD	59	0.693	-0.6399	0.5222
12	rs3741559	49951193	A	COV1	59	0.6773	-0.5651	0.572
12	rs3741559	49951193	A	COV2	59	0.7632	-0.6803	0.4963
12	rs3741559	49951193	A	COV3	59	0.655	-0.7279	0.4667
12	rs3741559	49951193	A	COV4	59	0.6145	-0.7081	0.4789
12	rs3741559	49951193	A	COV5	59	0.6275	-1.425	0.1541
12	rs3741559	49951193	A	COV6	59	1.279	0.6342	0.526
12	rs3741559	49951193	A	COV7	59	1.191	0.4906	0.6237
12	rs3741559	49951193	A	COV8	59	1.177	0.3551	0.7225
12	rs3741559	49951193	A	COV9	59	1.699	1.284	0.1993
12	rs3741559	49951193	A	COV10	59	1.801	1.747	0.08069
12	rs3741559	49951193	A	COV11	59	0.1702	-1.709	0.08744
12	rs3741559	49951193	A	COV12	59	4.113	2.047	0.04063
12	rs3741559	49951193	A	COV13	59	0.6187	-0.9769	0.3286
12	rs3741559	49951193	A	COV14	59	1.136	0.3284	0.7426
12	rs461872	49951423	A	ADD	75	0.9214	-0.2257	0.8214
12	rs461872	49951423	A	COV1	75	0.9843	-0.02806	0.9776
12	rs461872	49951423	A	COV2	75	1.163	0.3276	0.7432
12	rs461872	49951423	A	COV3	75	1.563	0.9235	0.3558
12	rs461872	49951423	A	COV4	75	1.188	0.2934	0.7692
12	rs461872	49951423	A	COV5	75	0.8626	-0.5699	0.5687
12	rs461872	49951423	A	COV6	75	1.043	0.1577	0.8747
12	rs461872	49951423	A	COV7	75	1.044	0.14	0.8887
12	rs461872	49951423	A	COV8	75	1.11	0.2482	0.804
12	rs461872	49951423	A	COV9	75	1.166	0.3699	0.7114
12	rs461872	49951423	A	COV10	75	1.269	0.6744	0.5
12	rs461872	49951423	A	COV11	75	0.8462	-0.2341	0.8149
12	rs461872	49951423	A	COV12	75	0.628	-0.9837	0.3252
12	rs461872	49951423	A	COV13	75	0.6485	-1.456	0.1454
12	rs461872	49951423	A	COV14	75	1.022	0.06292	0.9498
12	rs461872	49951423	A	ADD	66	1.232	0.5583	0.5767
12	rs461872	49951423	A	COV1	66	0.8197	-0.3263	0.7442
12	rs461872	49951423	A	COV2	66	0.8161	-0.4505	0.6523
12	rs461872	49951423	A	COV3	66	0.9321	-0.1381	0.8902
12	rs461872	49951423	A	COV4	66	1.904	0.9346	0.35
12	rs461872	49951423	A	COV5	66	0.7731	-0.9313	0.3517
12	rs461872	49951423	A	COV6	66	1.272	0.794	0.4272
12	rs461872	49951423	A	COV7	66	1.167	0.4616	0.6443
12	rs461872	49951423	A	COV8	66	1.678	0.8565	0.3917

Table 12. (continued)

12	rs461872	49951423	A	COV9	66	0.7567	-0.5661	0.5714
12	rs461872	49951423	A	COV10	66	1.616	1.073	0.2834
12	rs461872	49951423	A	COV11	66	0.3671	-1.157	0.2472
12	rs461872	49951423	A	COV12	66	0.7041	-0.6797	0.4967
12	rs461872	49951423	A	COV13	66	0.8686	-0.4446	0.6566
12	rs461872	49951423	A	COV14	66	1.179	0.4696	0.6386
12	rs467323	49955982	A	ADD	135	0.5559	-1.202	0.2295
12	rs467323	49955982	A	COV1	135	1.001	0.002385	0.9981
12	rs467323	49955982	A	COV2	135	0.9087	-0.3975	0.691
12	rs467323	49955982	A	COV3	135	0.7952	-0.6569	0.5113
12	rs467323	49955982	A	COV4	135	1.992	1.857	0.06326
12	rs467323	49955982	A	COV5	135	1.031	0.1828	0.8549
12	rs467323	49955982	A	COV6	135	1.013	0.07303	0.9418
12	rs467323	49955982	A	COV7	135	0.9657	-0.1778	0.8589
12	rs467323	49955982	A	COV8	135	1.242	0.7755	0.438
12	rs467323	49955982	A	COV9	135	1.013	0.0504	0.9598
12	rs467323	49955982	A	COV10	135	1.192	0.7574	0.4488
12	rs467323	49955982	A	COV11	135	0.3765	-1.83	0.06724
12	rs467323	49955982	A	COV12	135	1.214	0.534	0.5933
12	rs467323	49955982	A	COV13	135	0.951	-0.2217	0.8245
12	rs467323	49955982	A	COV14	135	1.181	0.7545	0.4505
12	rs2878771	49958610	C	ADD	317	1.006	0.02816	0.9775
12	rs2878771	49958610	C	COV1	317	0.9442	-0.2386	0.8114
12	rs2878771	49958610	C	COV2	317	1.116	0.7212	0.4708
12	rs2878771	49958610	C	COV3	317	0.7122	-1.641	0.1008
12	rs2878771	49958610	C	COV4	317	0.9932	-0.0291	0.9768
12	rs2878771	49958610	C	COV5	317	1.07	0.6513	0.5149
12	rs2878771	49958610	C	COV6	317	1.12	1.051	0.2931
12	rs2878771	49958610	C	COV7	317	0.954	-0.3753	0.7074
12	rs2878771	49958610	C	COV8	317	1.093	0.5051	0.6135
12	rs2878771	49958610	C	COV9	317	1.421	2.253	0.02425
12	rs2878771	49958610	C	COV10	317	1.004	0.02978	0.9762
12	rs2878771	49958610	C	COV11	317	0.5955	-1.738	0.08223
12	rs2878771	49958610	C	COV12	317	1.067	0.3131	0.7542
12	rs2878771	49958610	C	COV13	317	0.9692	-0.2351	0.8141
12	rs2878771	49958610	C	COV14	317	1.152	1.044	0.2967
12	rs3736309	49964271	G	ADD	258	0.9758	-0.09299	0.9259
12	rs3736309	49964271	G	COV1	258	0.9768	-0.08679	0.9308
12	rs3736309	49964271	G	COV2	258	1.128	0.7059	0.4802
12	rs3736309	49964271	G	COV3	258	0.7522	-1.264	0.2064
12	rs3736309	49964271	G	COV4	258	0.9432	-0.2262	0.8211
12	rs3736309	49964271	G	COV5	258	1.014	0.1239	0.9014
12	rs3736309	49964271	G	COV6	258	1.087	0.6932	0.4882
12	rs3736309	49964271	G	COV7	258	0.9019	-0.7384	0.4602
12	rs3736309	49964271	G	COV8	258	1.049	0.2437	0.8075
12	rs3736309	49964271	G	COV9	258	1.557	2.447	0.01441
12	rs3736309	49964271	G	COV10	258	1.014	0.09459	0.9246
12	rs3736309	49964271	G	COV11	258	0.6709	-1.131	0.2583
12	rs3736309	49964271	G	COV12	258	1.172	0.697	0.4858
12	rs3736309	49964271	G	COV13	258	0.9269	-0.5081	0.6114
12	rs3736309	49964271	G	COV14	258	1.115	0.7253	0.4683
12	rs296763	49969231	C	ADD	307	0.9933	-0.03272	0.9739

Table 12. (continued)

12	rs296763	49969231	C	COV1	307	0.8437	-0.6939	0.4877
12	rs296763	49969231	C	COV2	307	1.104	0.6615	0.5083
12	rs296763	49969231	C	COV3	307	0.7245	-1.558	0.1193
12	rs296763	49969231	C	COV4	307	0.9581	-0.1825	0.8552
12	rs296763	49969231	C	COV5	307	1.084	0.7594	0.4476
12	rs296763	49969231	C	COV6	307	1.102	0.8964	0.37
12	rs296763	49969231	C	COV7	307	0.9404	-0.4821	0.6297
12	rs296763	49969231	C	COV8	307	1.095	0.5201	0.603
12	rs296763	49969231	C	COV9	307	1.522	2.588	0.009656
12	rs296763	49969231	C	COV10	307	1.022	0.1608	0.8723
12	rs296763	49969231	C	COV11	307	0.5054	-2.136	0.0327
12	rs296763	49969231	C	COV12	307	1.243	1.028	0.3038
12	rs296763	49969231	C	COV13	307	0.9269	-0.5598	0.5756
12	rs296763	49969231	C	COV14	307	1.066	0.4642	0.6425
12	rs1996315	49970924	G	ADD	317	1.383	1.92	0.05487
12	rs1996315	49970924	G	COV1	317	0.9312	-0.2964	0.7669
12	rs1996315	49970924	G	COV2	317	1.077	0.5081	0.6114
12	rs1996315	49970924	G	COV3	317	0.7943	-1.116	0.2646
12	rs1996315	49970924	G	COV4	317	1.01	0.0429	0.9658
12	rs1996315	49970924	G	COV5	317	1.06	0.5564	0.5779
12	rs1996315	49970924	G	COV6	317	1.121	1.072	0.2835
12	rs1996315	49970924	G	COV7	317	0.9708	-0.2406	0.8099
12	rs1996315	49970924	G	COV8	317	1.027	0.1547	0.8771
12	rs1996315	49970924	G	COV9	317	1.415	2.184	0.02897
12	rs1996315	49970924	G	COV10	317	0.979	-0.158	0.8745
12	rs1996315	49970924	G	COV11	317	0.5893	-1.798	0.07213
12	rs1996315	49970924	G	COV12	317	1.085	0.4001	0.6891
12	rs1996315	49970924	G	COV13	317	0.9789	-0.1607	0.8723
12	rs1996315	49970924	G	COV14	317	1.097	0.6742	0.5002
14	rs1997532	21729203	C	ADD	309	0.9857	-0.08087	0.9355
14	rs1997532	21729203	C	COV1	309	0.8801	-0.527	0.5982
14	rs1997532	21729203	C	COV2	309	1.015	0.09873	0.9214
14	rs1997532	21729203	C	COV3	309	0.7858	-1.164	0.2444
14	rs1997532	21729203	C	COV4	309	1.055	0.2327	0.816
14	rs1997532	21729203	C	COV5	309	1.06	0.5521	0.5809
14	rs1997532	21729203	C	COV6	309	1.123	1.089	0.2762
14	rs1997532	21729203	C	COV7	309	0.9629	-0.3008	0.7636
14	rs1997532	21729203	C	COV8	309	1.02	0.1171	0.9068
14	rs1997532	21729203	C	COV9	309	1.45	2.374	0.01758
14	rs1997532	21729203	C	COV10	309	0.9766	-0.1768	0.8597
14	rs1997532	21729203	C	COV11	309	0.6272	-1.552	0.1206
14	rs1997532	21729203	C	COV12	309	1.084	0.389	0.6973
14	rs1997532	21729203	C	COV13	309	0.9613	-0.2941	0.7687
14	rs1997532	21729203	C	COV14	309	1.097	0.6819	0.4953
14	rs1997533	21729284	C	ADD	244	0.9665	-0.1682	0.8664
14	rs1997533	21729284	C	COV1	244	0.766	-0.9528	0.3407
14	rs1997533	21729284	C	COV2	244	0.9934	-0.03935	0.9686
14	rs1997533	21729284	C	COV3	244	0.8933	-0.4657	0.6415
14	rs1997533	21729284	C	COV4	244	0.7818	-0.9185	0.3583
14	rs1997533	21729284	C	COV5	244	1.194	1.471	0.1412
14	rs1997533	21729284	C	COV6	244	1.012	0.1031	0.9179
14	rs1997533	21729284	C	COV7	244	0.9891	-0.07903	0.937

Table 12. (continued)

14	rs1997533	21729284	C	COV8	244	1.129	0.6052	0.545
14	rs1997533	21729284	C	COV9	244	1.397	1.815	0.06956
14	rs1997533	21729284	C	COV10	244	1.055	0.3328	0.7393
14	rs1997533	21729284	C	COV11	244	0.6957	-1.03	0.303
14	rs1997533	21729284	C	COV12	244	1.04	0.1749	0.8612
14	rs1997533	21729284	C	COV13	244	0.9634	-0.2498	0.8028
14	rs1997533	21729284	C	COV14	244	1.047	0.2987	0.7651
14	rs7150049	21733607	G	ADD	294	0.9011	-0.6291	0.5293
14	rs7150049	21733607	G	COV1	294	0.8546	-0.6313	0.5278
14	rs7150049	21733607	G	COV2	294	1.118	0.7231	0.4696
14	rs7150049	21733607	G	COV3	294	0.7342	-1.466	0.1427
14	rs7150049	21733607	G	COV4	294	1.008	0.03296	0.9737
14	rs7150049	21733607	G	COV5	294	1.076	0.678	0.4978
14	rs7150049	21733607	G	COV6	294	1.087	0.778	0.4366
14	rs7150049	21733607	G	COV7	294	1.014	0.1094	0.9129
14	rs7150049	21733607	G	COV8	294	1.035	0.194	0.8462
14	rs7150049	21733607	G	COV9	294	1.437	2.296	0.02165
14	rs7150049	21733607	G	COV10	294	0.991	-0.06707	0.9465
14	rs7150049	21733607	G	COV11	294	0.608	-1.65	0.09886
14	rs7150049	21733607	G	COV12	294	1.109	0.4977	0.6187
14	rs7150049	21733607	G	COV13	294	0.9812	-0.1359	0.8919
14	rs7150049	21733607	G	COV14	294	1.037	0.2631	0.7925
14	rs8011979	21733619	T	ADD	275	0.8825	-0.669	0.5035
14	rs8011979	21733619	T	COV1	275	0.6776	-1.484	0.1379
14	rs8011979	21733619	T	COV2	275	1.046	0.2806	0.779
14	rs8011979	21733619	T	COV3	275	0.7472	-1.339	0.1805
14	rs8011979	21733619	T	COV4	275	0.9854	-0.05986	0.9523
14	rs8011979	21733619	T	COV5	275	1.095	0.8106	0.4176
14	rs8011979	21733619	T	COV6	275	1.037	0.3193	0.7495
14	rs8011979	21733619	T	COV7	275	1.079	0.5675	0.5704
14	rs8011979	21733619	T	COV8	275	1.009	0.04765	0.962
14	rs8011979	21733619	T	COV9	275	1.57	2.618	0.008855
14	rs8011979	21733619	T	COV10	275	1.056	0.3723	0.7097
14	rs8011979	21733619	T	COV11	275	0.6244	-1.464	0.1431
14	rs8011979	21733619	T	COV12	275	0.9659	-0.1612	0.872
14	rs8011979	21733619	T	COV13	275	1.015	0.1097	0.9126
14	rs8011979	21733619	T	COV14	275	1.025	0.1706	0.8645
14	rs4903399	76308859	T	ADD	292	1.026	0.1175	0.9065
14	rs4903399	76308859	T	COV1	292	0.818	-0.8022	0.4224
14	rs4903399	76308859	T	COV2	292	1.143	0.8478	0.3965
14	rs4903399	76308859	T	COV3	292	0.875	-0.6227	0.5335
14	rs4903399	76308859	T	COV4	292	0.8694	-0.5764	0.5643
14	rs4903399	76308859	T	COV5	292	1.075	0.6635	0.507
14	rs4903399	76308859	T	COV6	292	1.078	0.6792	0.497
14	rs4903399	76308859	T	COV7	292	0.9871	-0.09946	0.9208
14	rs4903399	76308859	T	COV8	292	1.056	0.2998	0.7643
14	rs4903399	76308859	T	COV9	292	1.485	2.44	0.01469
14	rs4903399	76308859	T	COV10	292	1.007	0.05054	0.9597
14	rs4903399	76308859	T	COV11	292	0.4812	-2.229	0.0258
14	rs4903399	76308859	T	COV12	292	1.092	0.4158	0.6775
14	rs4903399	76308859	T	COV13	292	0.9831	-0.1243	0.9011
14	rs4903399	76308859	T	COV14	292	1.034	0.2366	0.8129

Table 12. (continued)

14	rs6574293	76404257	A	ADD	286	1.183	0.6159	0.538
14	rs6574293	76404257	A	COV1	286	1.031	0.1183	0.9058
14	rs6574293	76404257	A	COV2	286	1.042	0.2583	0.7962
14	rs6574293	76404257	A	COV3	286	0.876	-0.608	0.5432
14	rs6574293	76404257	A	COV4	286	1.034	0.1356	0.8921
14	rs6574293	76404257	A	COV5	286	1.01	0.085	0.9323
14	rs6574293	76404257	A	COV6	286	1.006	0.05295	0.9578
14	rs6574293	76404257	A	COV7	286	0.9603	-0.3095	0.757
14	rs6574293	76404257	A	COV8	286	0.9636	-0.2068	0.8362
14	rs6574293	76404257	A	COV9	286	1.432	2.154	0.03123
14	rs6574293	76404257	A	COV10	286	0.9946	-0.03914	0.9688
14	rs6574293	76404257	A	COV11	286	0.7064	-1.141	0.254
14	rs6574293	76404257	A	COV12	286	0.9185	-0.4003	0.6889
14	rs6574293	76404257	A	COV13	286	1.054	0.3746	0.7079
14	rs6574293	76404257	A	COV14	286	0.9764	-0.1655	0.8686
14	rs10132091	76404475	C	ADD	291	1.142	0.7527	0.4516
14	rs10132091	76404475	C	COV1	291	0.9093	-0.3732	0.709
14	rs10132091	76404475	C	COV2	291	1.004	0.0268	0.9786
14	rs10132091	76404475	C	COV3	291	0.7038	-1.624	0.1043
14	rs10132091	76404475	C	COV4	291	1.038	0.1518	0.8793
14	rs10132091	76404475	C	COV5	291	1.05	0.4441	0.657
14	rs10132091	76404475	C	COV6	291	1.121	1.046	0.2958
14	rs10132091	76404475	C	COV7	291	1.057	0.4081	0.6832
14	rs10132091	76404475	C	COV8	291	1.002	0.008456	0.9933
14	rs10132091	76404475	C	COV9	291	1.439	2.24	0.02506
14	rs10132091	76404475	C	COV10	291	0.9931	-0.05055	0.9597
14	rs10132091	76404475	C	COV11	291	0.6003	-1.684	0.09216
14	rs10132091	76404475	C	COV12	291	1.097	0.4443	0.6568
14	rs10132091	76404475	C	COV13	291	0.9279	-0.551	0.5816
14	rs10132091	76404475	C	COV14	291	1.171	1.115	0.2647
14	rs1077430	76431334	A	ADD	257	0.9621	-0.1978	0.8432
14	rs1077430	76431334	A	COV1	257	0.8834	-0.4569	0.6477
14	rs1077430	76431334	A	COV2	257	0.9602	-0.2439	0.8073
14	rs1077430	76431334	A	COV3	257	0.7591	-1.207	0.2274
14	rs1077430	76431334	A	COV4	257	1.038	0.143	0.8863
14	rs1077430	76431334	A	COV5	257	1.111	0.9063	0.3648
14	rs1077430	76431334	A	COV6	257	1.042	0.352	0.7248
14	rs1077430	76431334	A	COV7	257	1.06	0.4073	0.6838
14	rs1077430	76431334	A	COV8	257	1.07	0.3552	0.7224
14	rs1077430	76431334	A	COV9	257	1.497	2.353	0.01861
14	rs1077430	76431334	A	COV10	257	0.9348	-0.4699	0.6384
14	rs1077430	76431334	A	COV11	257	0.7225	-0.928	0.3534
14	rs1077430	76431334	A	COV12	257	0.8649	-0.6383	0.5233
14	rs1077430	76431334	A	COV13	257	1.049	0.3233	0.7465
14	rs1077430	76431334	A	COV14	257	1.019	0.1244	0.901
14	rs745011	76450932	C	ADD	287	1.268	1.418	0.1561
14	rs745011	76450932	C	COV1	287	0.9175	-0.3389	0.7347
14	rs745011	76450932	C	COV2	287	1.119	0.6978	0.4853
14	rs745011	76450932	C	COV3	287	0.713	-1.534	0.1249
14	rs745011	76450932	C	COV4	287	1.152	0.5794	0.5623
14	rs745011	76450932	C	COV5	287	1.043	0.3814	0.7029
14	rs745011	76450932	C	COV6	287	1.103	0.8698	0.3844

Table 12. (continued)

14	rs745011	76450932	C	COV7	287	0.9866	-0.1004	0.9201
14	rs745011	76450932	C	COV8	287	1.094	0.4809	0.6306
14	rs745011	76450932	C	COV9	287	1.314	1.701	0.08885
14	rs745011	76450932	C	COV10	287	1.017	0.1237	0.9015
14	rs745011	76450932	C	COV11	287	0.5849	-1.739	0.08205
14	rs745011	76450932	C	COV12	287	1.083	0.3718	0.71
14	rs745011	76450932	C	COV13	287	0.9317	-0.5064	0.6126
14	rs745011	76450932	C	COV14	287	1.135	0.872	0.3832
14	rs1676303	76525821	C	ADD	304	1.139	0.4907	0.6236
14	rs1676303	76525821	C	COV1	304	0.7661	-1.072	0.2837
14	rs1676303	76525821	C	COV2	304	1.121	0.7396	0.4595
14	rs1676303	76525821	C	COV3	304	0.7827	-1.164	0.2443
14	rs1676303	76525821	C	COV4	304	0.9338	-0.2849	0.7757
14	rs1676303	76525821	C	COV5	304	1.042	0.3806	0.7035
14	rs1676303	76525821	C	COV6	304	1.159	1.341	0.1799
14	rs1676303	76525821	C	COV7	304	0.938	-0.4863	0.6267
14	rs1676303	76525821	C	COV8	304	1.024	0.1355	0.8922
14	rs1676303	76525821	C	COV9	304	1.501	2.476	0.01328
14	rs1676303	76525821	C	COV10	304	0.9756	-0.1816	0.8559
14	rs1676303	76525821	C	COV11	304	0.5635	-1.778	0.07538
14	rs1676303	76525821	C	COV12	304	1.107	0.4911	0.6233
14	rs1676303	76525821	C	COV13	304	1.001	0.01085	0.9913
14	rs1676303	76525821	C	COV14	304	1.078	0.5399	0.5892
14	rs2860216	76539665	C	ADD	278	0.6955	-1.81	0.0703
14	rs2860216	76539665	C	COV1	278	0.865	-0.5563	0.578
14	rs2860216	76539665	C	COV2	278	1.053	0.3227	0.7469
14	rs2860216	76539665	C	COV3	278	0.864	-0.65	0.5157
14	rs2860216	76539665	C	COV4	278	1.001	0.005872	0.9953
14	rs2860216	76539665	C	COV5	278	1.035	0.3036	0.7614
14	rs2860216	76539665	C	COV6	278	1.008	0.06889	0.9451
14	rs2860216	76539665	C	COV7	278	1.028	0.2021	0.8399
14	rs2860216	76539665	C	COV8	278	0.9268	-0.4197	0.6747
14	rs2860216	76539665	C	COV9	278	1.532	2.578	0.009927
14	rs2860216	76539665	C	COV10	278	0.981	-0.1342	0.8932
14	rs2860216	76539665	C	COV11	278	0.7153	-1.068	0.2855
14	rs2860216	76539665	C	COV12	278	1.004	0.01644	0.9869
14	rs2860216	76539665	C	COV13	278	0.911	-0.6615	0.5083
14	rs2860216	76539665	C	COV14	278	1.115	0.7558	0.4498
17	rs2619112	4632090	A	ADD	302	0.8904	-0.6442	0.5195
17	rs2619112	4632090	A	COV1	302	0.8923	-0.4612	0.6447
17	rs2619112	4632090	A	COV2	302	1.169	1.005	0.3151
17	rs2619112	4632090	A	COV3	302	0.7471	-1.345	0.1787
17	rs2619112	4632090	A	COV4	302	0.9253	-0.3294	0.7419
17	rs2619112	4632090	A	COV5	302	1.096	0.8465	0.3973
17	rs2619112	4632090	A	COV6	302	1.069	0.6169	0.5373
17	rs2619112	4632090	A	COV7	302	1.007	0.05693	0.9546
17	rs2619112	4632090	A	COV8	302	1.001	0.003386	0.9973
17	rs2619112	4632090	A	COV9	302	1.48	2.41	0.01594
17	rs2619112	4632090	A	COV10	302	1.03	0.2152	0.8296
17	rs2619112	4632090	A	COV11	302	0.6477	-1.422	0.1549
17	rs2619112	4632090	A	COV12	302	0.9596	-0.1957	0.8449
17	rs2619112	4632090	A	COV13	302	0.9832	-0.1233	0.9018

Table 12. (continued)

17	rs2619112	4632090	A	COV14	302	1.078	0.5268	0.5983
17	rs7217186	4636097	C	ADD	92	0.5987	-1.173	0.2408
17	rs7217186	4636097	C	COV1	92	0.7051	-0.6195	0.5356
17	rs7217186	4636097	C	COV2	92	1.262	0.5585	0.5765
17	rs7217186	4636097	C	COV3	92	1.254	0.4464	0.6553
17	rs7217186	4636097	C	COV4	92	0.5353	-0.9451	0.3446
17	rs7217186	4636097	C	COV5	92	1.102	0.3568	0.7212
17	rs7217186	4636097	C	COV6	92	0.7271	-1.096	0.2729
17	rs7217186	4636097	C	COV7	92	4.108	2.737	0.006203
17	rs7217186	4636097	C	COV8	92	0.8923	-0.2596	0.7952
17	rs7217186	4636097	C	COV9	92	2.331	1.732	0.0832
17	rs7217186	4636097	C	COV10	92	1.352	0.8078	0.4192
17	rs7217186	4636097	C	COV11	92	0.6431	-0.5547	0.5791
17	rs7217186	4636097	C	COV12	92	0.3326	-1.941	0.05231
17	rs7217186	4636097	C	COV13	92	0.6696	-1.197	0.2314
17	rs7217186	4636097	C	COV14	92	0.5277	-1.769	0.07686
19	rs2235091	50907215	C	ADD	300	0.7988	-1.212	0.2257
19	rs2235091	50907215	C	COV1	300	0.8444	-0.6827	0.4948
19	rs2235091	50907215	C	COV2	300	1.037	0.2389	0.8111
19	rs2235091	50907215	C	COV3	300	0.7558	-1.311	0.1898
19	rs2235091	50907215	C	COV4	300	1.095	0.3823	0.7022
19	rs2235091	50907215	C	COV5	300	1.06	0.5426	0.5874
19	rs2235091	50907215	C	COV6	300	1.054	0.4848	0.6278
19	rs2235091	50907215	C	COV7	300	0.9752	-0.1989	0.8423
19	rs2235091	50907215	C	COV8	300	1.067	0.3704	0.7111
19	rs2235091	50907215	C	COV9	300	1.373	2.01	0.04439
19	rs2235091	50907215	C	COV10	300	1.032	0.2295	0.8185
19	rs2235091	50907215	C	COV11	300	0.6681	-1.282	0.1999
19	rs2235091	50907215	C	COV12	300	1.026	0.1236	0.9016
19	rs2235091	50907215	C	COV13	300	0.977	-0.173	0.8627
19	rs2235091	50907215	C	COV14	300	1.063	0.435	0.6636
19	rs198968	50910072	A	ADD	282	1.149	0.6349	0.5255
19	rs198968	50910072	A	COV1	282	0.8685	-0.5426	0.5874
19	rs198968	50910072	A	COV2	282	1.161	0.9241	0.3554
19	rs198968	50910072	A	COV3	282	0.8188	-0.9054	0.3653
19	rs198968	50910072	A	COV4	282	0.8375	-0.6982	0.485
19	rs198968	50910072	A	COV5	282	1.095	0.803	0.422
19	rs198968	50910072	A	COV6	282	1.026	0.2286	0.8192
19	rs198968	50910072	A	COV7	282	0.9528	-0.373	0.7092
19	rs198968	50910072	A	COV8	282	1.066	0.3181	0.7504
19	rs198968	50910072	A	COV9	282	1.489	2.315	0.02062
19	rs198968	50910072	A	COV10	282	1.048	0.3327	0.7394
19	rs198968	50910072	A	COV11	282	0.5697	-1.797	0.07231
19	rs198968	50910072	A	COV12	282	1.002	0.009166	0.9927
19	rs198968	50910072	A	COV13	282	1.016	0.1097	0.9126
19	rs198968	50910072	A	COV14	282	1.102	0.6748	0.4998
22	rs5997096	12345610	T	ADD	237	0.9247	-0.3702	0.7112
22	rs5997096	12345610	T	COV1	237	0.902	-0.356	0.7218
22	rs5997096	12345610	T	COV2	237	1.091	0.4667	0.6407
22	rs5997096	12345610	T	COV3	237	0.8048	-0.8482	0.3963
22	rs5997096	12345610	T	COV4	237	0.8288	-0.6295	0.529
22	rs5997096	12345610	T	COV5	237	1.172	1.245	0.2132

Table 12. (continued)

22	rs5997096	12345610	T	COV6	237	1.204	1.444	0.1488
22	rs5997096	12345610	T	COV7	237	0.8245	-1.221	0.2222
22	rs5997096	12345610	T	COV8	237	1.267	1.063	0.288
22	rs5997096	12345610	T	COV9	237	1.759	2.898	0.003758
22	rs5997096	12345610	T	COV10	237	0.8559	-0.9372	0.3487
22	rs5997096	12345610	T	COV11	237	0.6293	-1.056	0.2912
22	rs5997096	12345610	T	COV12	237	1.196	0.6454	0.5187
22	rs5997096	12345610	T	COV13	237	0.8645	-0.8841	0.3767
22	rs5997096	12345610	T	COV14	237	0.9014	-0.6307	0.5282
23	rs946252	123456	T	ADD	246	NA	NA	NA
23	rs946252	123456	T	SEX	246	NA	NA	NA
23	rs946252	123456	T	COV1	246	NA	NA	NA
23	rs946252	123456	T	COV2	246	NA	NA	NA
23	rs946252	123456	T	COV3	246	NA	NA	NA
23	rs946252	123456	T	COV4	246	NA	NA	NA
23	rs946252	123456	T	COV5	246	NA	NA	NA
23	rs946252	123456	T	COV6	246	NA	NA	NA
23	rs946252	123456	T	COV7	246	NA	NA	NA
23	rs946252	123456	T	COV8	246	NA	NA	NA
23	rs946252	123456	T	COV9	246	NA	NA	NA
23	rs946252	123456	T	COV10	246	NA	NA	NA
23	rs946252	123456	T	COV11	246	NA	NA	NA
23	rs946252	123456	T	COV12	246	NA	NA	NA
23	rs946252	123456	T	COV13	246	NA	NA	NA
23	rs946252	123456	T	COV14	246	NA	NA	NA
Very High vs. Low Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	312	0.9548	-0.2059	0.8369
1	rs7526319	1234567	T	COV1	312	1.072	0.2647	0.7912
1	rs7526319	1234567	T	COV2	312	1.208	1.113	0.2659
1	rs7526319	1234567	T	COV3	312	1.139	0.5494	0.5827
1	rs7526319	1234567	T	COV4	312	0.6724	-1.516	0.1294
1	rs7526319	1234567	T	COV5	312	1.109	0.8694	0.3846
1	rs7526319	1234567	T	COV6	312	1.172	1.359	0.1743
1	rs7526319	1234567	T	COV7	312	0.8868	-0.8942	0.3712
1	rs7526319	1234567	T	COV8	312	1.342	1.583	0.1135
1	rs7526319	1234567	T	COV9	312	1.477	2.128	0.03331
1	rs7526319	1234567	T	COV10	312	0.8791	-0.8298	0.4066
1	rs7526319	1234567	T	COV11	312	1.445	1.258	0.2084
1	rs7526319	1234567	T	COV12	312	0.763	-1.155	0.2483
1	rs7526319	1234567	T	COV13	312	0.7591	-1.806	0.07097
1	rs7526319	1234567	T	COV14	312	0.7624	-1.765	0.0775
1	rs9701796	18859635	G	ADD	416	0.9087	-0.5369	0.5914
1	rs9701796	18859635	G	COV1	416	0.9248	-0.3506	0.7259
1	rs9701796	18859635	G	COV2	416	1.057	0.3939	0.6936
1	rs9701796	18859635	G	COV3	416	0.9498	-0.2657	0.7905
1	rs9701796	18859635	G	COV4	416	0.9172	-0.4204	0.6742
1	rs9701796	18859635	G	COV5	416	0.9164	-0.9072	0.3643
1	rs9701796	18859635	G	COV6	416	1.095	0.9706	0.3317
1	rs9701796	18859635	G	COV7	416	0.905	-0.8859	0.3757
1	rs9701796	18859635	G	COV8	416	1.324	1.859	0.06305

Table 12. (continued)

1	rs9701796	18859635	G	COV9	416	1.403	2.26	0.0238
1	rs9701796	18859635	G	COV10	416	0.9783	-0.1657	0.8684
1	rs9701796	18859635	G	COV11	416	1.105	0.4232	0.6721
1	rs9701796	18859635	G	COV12	416	0.9675	-0.1718	0.8636
1	rs9701796	18859635	G	COV13	416	0.8441	-1.306	0.1914
1	rs9701796	18859635	G	COV14	416	0.8644	-1.148	0.2509
4	rs4694075	1234568	T	ADD	324	1.126	0.6206	0.5349
4	rs4694075	1234568	T	COV1	324	1.08	0.2958	0.7674
4	rs4694075	1234568	T	COV2	324	1.12	0.6587	0.5101
4	rs4694075	1234568	T	COV3	324	1.283	1.029	0.3033
4	rs4694075	1234568	T	COV4	324	0.7062	-1.314	0.1888
4	rs4694075	1234568	T	COV5	324	0.9967	-0.02821	0.9775
4	rs4694075	1234568	T	COV6	324	1.122	1.015	0.3102
4	rs4694075	1234568	T	COV7	324	0.8798	-0.9457	0.3443
4	rs4694075	1234568	T	COV8	324	1.356	1.585	0.113
4	rs4694075	1234568	T	COV9	324	1.608	2.545	0.01093
4	rs4694075	1234568	T	COV10	324	0.8671	-0.927	0.3539
4	rs4694075	1234568	T	COV11	324	1.356	1.098	0.272
4	rs4694075	1234568	T	COV12	324	0.8131	-0.8996	0.3683
4	rs4694075	1234568	T	COV13	324	0.7258	-2.058	0.03963
4	rs4694075	1234568	T	COV14	324	0.7496	-1.891	0.05865
4	rs12640848	1234569	A	ADD	320	0.9735	-0.1685	0.8662
4	rs12640848	1234569	A	COV1	320	0.9778	-0.08603	0.9314
4	rs12640848	1234569	A	COV2	320	1.266	1.402	0.1609
4	rs12640848	1234569	A	COV3	320	1.216	0.8406	0.4006
4	rs12640848	1234569	A	COV4	320	0.8192	-0.76	0.4472
4	rs12640848	1234569	A	COV5	320	0.9412	-0.519	0.6037
4	rs12640848	1234569	A	COV6	320	1.168	1.348	0.1777
4	rs12640848	1234569	A	COV7	320	0.8877	-0.8851	0.3761
4	rs12640848	1234569	A	COV8	320	1.308	1.46	0.1442
4	rs12640848	1234569	A	COV9	320	1.331	1.609	0.1075
4	rs12640848	1234569	A	COV10	320	0.9363	-0.4097	0.682
4	rs12640848	1234569	A	COV11	320	1.275	0.8434	0.399
4	rs12640848	1234569	A	COV12	320	0.7517	-1.262	0.2069
4	rs12640848	1234569	A	COV13	320	0.7628	-1.751	0.08002
4	rs12640848	1234569	A	COV14	320	0.7812	-1.617	0.1058
5	rs375129	4952722	T	ADD	343	0.9061	-0.6322	0.5273
5	rs375129	4952722	T	COV1	343	0.8475	-0.6677	0.5044
5	rs375129	4952722	T	COV2	343	1.085	0.5302	0.596
5	rs375129	4952722	T	COV3	343	0.8112	-0.9916	0.3214
5	rs375129	4952722	T	COV4	343	0.8582	-0.6886	0.4911
5	rs375129	4952722	T	COV5	343	0.9487	-0.4988	0.6179
5	rs375129	4952722	T	COV6	343	1.085	0.8018	0.4226
5	rs375129	4952722	T	COV7	343	0.9658	-0.2722	0.7855
5	rs375129	4952722	T	COV8	343	1.222	1.228	0.2194
5	rs375129	4952722	T	COV9	343	1.578	2.673	0.007519
5	rs375129	4952722	T	COV10	343	0.9596	-0.2905	0.7714
5	rs375129	4952722	T	COV11	343	1.239	0.8161	0.4144
5	rs375129	4952722	T	COV12	343	0.8809	-0.6103	0.5417
5	rs375129	4952722	T	COV13	343	0.8676	-0.996	0.3193
5	rs375129	4952722	T	COV14	343	0.9951	-0.03472	0.9723
5	rs27565	60541764	A	ADD	225	1.132	0.5668	0.5709

Table 12. (continued)

5	rs27565	60541764	A	COV1	225	0.6897	-1.187	0.2351
5	rs27565	60541764	A	COV2	225	1.181	0.8103	0.4178
5	rs27565	60541764	A	COV3	225	0.9982	-0.007129	0.9943
5	rs27565	60541764	A	COV4	225	0.6602	-1.308	0.1908
5	rs27565	60541764	A	COV5	225	0.8929	-0.8334	0.4046
5	rs27565	60541764	A	COV6	225	1.116	0.8092	0.4184
5	rs27565	60541764	A	COV7	225	0.9093	-0.6131	0.5398
5	rs27565	60541764	A	COV8	225	1.174	0.8471	0.397
5	rs27565	60541764	A	COV9	225	1.814	2.655	0.007927
5	rs27565	60541764	A	COV10	225	0.8066	-1.188	0.2347
5	rs27565	60541764	A	COV11	225	1.49	1.211	0.2258
5	rs27565	60541764	A	COV12	225	0.8682	-0.5603	0.5753
5	rs27565	60541764	A	COV13	225	0.8821	-0.7149	0.4747
5	rs27565	60541764	A	COV14	225	0.9059	-0.574	0.5659
5	rs6862039	73503170	A	ADD	363	0.9416	-0.2563	0.7977
5	rs6862039	73503170	A	COV1	363	0.9035	-0.4283	0.6684
5	rs6862039	73503170	A	COV2	363	1.074	0.4861	0.6269
5	rs6862039	73503170	A	COV3	363	0.8973	-0.5333	0.5938
5	rs6862039	73503170	A	COV4	363	1.051	0.2249	0.8221
5	rs6862039	73503170	A	COV5	363	0.9161	-0.855	0.3926
5	rs6862039	73503170	A	COV6	363	1.11	1.066	0.2866
5	rs6862039	73503170	A	COV7	363	0.854	-1.326	0.1848
5	rs6862039	73503170	A	COV8	363	1.173	1.059	0.2894
5	rs6862039	73503170	A	COV9	363	1.311	1.75	0.08011
5	rs6862039	73503170	A	COV10	363	1.006	0.04706	0.9625
5	rs6862039	73503170	A	COV11	363	1.567	1.562	0.1184
5	rs6862039	73503170	A	COV12	363	0.9684	-0.1579	0.8745
5	rs6862039	73503170	A	COV13	363	0.8111	-1.527	0.1267
5	rs6862039	73503170	A	COV14	363	0.8598	-1.108	0.2677
7	rs17159702	30919387	C	ADD	403	0.6639	-2.577	0.009971
7	rs17159702	30919387	C	COV1	403	0.904	-0.4463	0.6553
7	rs17159702	30919387	C	COV2	403	1.073	0.4971	0.6191
7	rs17159702	30919387	C	COV3	403	0.9573	-0.2135	0.831
7	rs17159702	30919387	C	COV4	403	0.8955	-0.5101	0.61
7	rs17159702	30919387	C	COV5	403	0.9444	-0.5821	0.5605
7	rs17159702	30919387	C	COV6	403	1.153	1.489	0.1364
7	rs17159702	30919387	C	COV7	403	0.948	-0.4639	0.6427
7	rs17159702	30919387	C	COV8	403	1.235	1.404	0.1603
7	rs17159702	30919387	C	COV9	403	1.418	2.285	0.02232
7	rs17159702	30919387	C	COV10	403	0.9409	-0.4514	0.6517
7	rs17159702	30919387	C	COV11	403	1.012	0.04593	0.9634
7	rs17159702	30919387	C	COV12	403	1.023	0.1167	0.9071
7	rs17159702	30919387	C	COV13	403	0.8031	-1.638	0.1015
7	rs17159702	30919387	C	COV14	403	0.8739	-1.034	0.301
7	rs10246939	141972804	C	ADD	363	1.082	0.487	0.6263
7	rs10246939	141972804	C	COV1	363	0.8702	-0.5771	0.5639
7	rs10246939	141972804	C	COV2	363	0.9945	-0.03672	0.9707
7	rs10246939	141972804	C	COV3	363	0.9997	-0.001664	0.9987
7	rs10246939	141972804	C	COV4	363	0.7894	-1.067	0.2858
7	rs10246939	141972804	C	COV5	363	0.9046	-0.9835	0.3254
7	rs10246939	141972804	C	COV6	363	1.182	1.625	0.1041
7	rs10246939	141972804	C	COV7	363	0.8853	-0.9958	0.3193

Table 12. (continued)

7	rs10246939	141972804	C	COV8	363	1.286	1.553	0.1203
7	rs10246939	141972804	C	COV9	363	1.522	2.571	0.01013
7	rs10246939	141972804	C	COV10	363	0.9021	-0.7343	0.4628
7	rs10246939	141972804	C	COV11	363	1.469	1.409	0.1588
7	rs10246939	141972804	C	COV12	363	0.9202	-0.3981	0.6906
7	rs10246939	141972804	C	COV13	363	0.8786	-0.9219	0.3566
7	rs10246939	141972804	C	COV14	363	0.8976	-0.7811	0.4347
7	rs1726866	141972905	T	ADD	385	1.107	0.6311	0.528
7	rs1726866	141972905	T	COV1	385	0.9653	-0.1528	0.8786
7	rs1726866	141972905	T	COV2	385	0.9996	-0.002711	0.9978
7	rs1726866	141972905	T	COV3	385	0.9858	-0.0714	0.9431
7	rs1726866	141972905	T	COV4	385	0.8906	-0.5427	0.5873
7	rs1726866	141972905	T	COV5	385	0.8994	-1.075	0.2823
7	rs1726866	141972905	T	COV6	385	1.102	1.015	0.31
7	rs1726866	141972905	T	COV7	385	0.879	-1.106	0.2686
7	rs1726866	141972905	T	COV8	385	1.263	1.493	0.1355
7	rs1726866	141972905	T	COV9	385	1.379	2.085	0.03707
7	rs1726866	141972905	T	COV10	385	0.9535	-0.3441	0.7308
7	rs1726866	141972905	T	COV11	385	1.212	0.7919	0.4284
7	rs1726866	141972905	T	COV12	385	1.013	0.06622	0.9472
7	rs1726866	141972905	T	COV13	385	0.8309	-1.367	0.1715
7	rs1726866	141972905	T	COV14	385	0.9152	-0.6761	0.499
7	rs713598	141973545	G	ADD	371	1.093	0.5258	0.599
7	rs713598	141973545	G	COV1	371	0.9556	-0.1918	0.8479
7	rs713598	141973545	G	COV2	371	1.004	0.02696	0.9785
7	rs713598	141973545	G	COV3	371	1.05	0.2337	0.8152
7	rs713598	141973545	G	COV4	371	0.9874	-0.05842	0.9534
7	rs713598	141973545	G	COV5	371	0.8708	-1.351	0.1767
7	rs713598	141973545	G	COV6	371	1.103	1.007	0.3142
7	rs713598	141973545	G	COV7	371	0.9046	-0.8057	0.4204
7	rs713598	141973545	G	COV8	371	1.255	1.416	0.1569
7	rs713598	141973545	G	COV9	371	1.474	2.405	0.01615
7	rs713598	141973545	G	COV10	371	0.8445	-1.203	0.2289
7	rs713598	141973545	G	COV11	371	1.217	0.8005	0.4234
7	rs713598	141973545	G	COV12	371	0.9069	-0.4617	0.6443
7	rs713598	141973545	G	COV13	371	0.8058	-1.564	0.1179
7	rs713598	141973545	G	COV14	371	0.9204	-0.6142	0.5391
8	rs11362	6877877	G	ADD	323	0.791	-1.291	0.1968
8	rs11362	6877877	G	COV1	323	0.8952	-0.4444	0.6568
8	rs11362	6877877	G	COV2	323	1.053	0.3449	0.7302
8	rs11362	6877877	G	COV3	323	0.8308	-0.8372	0.4025
8	rs11362	6877877	G	COV4	323	1.185	0.746	0.4557
8	rs11362	6877877	G	COV5	323	1.018	0.1646	0.8692
8	rs11362	6877877	G	COV6	323	1.068	0.6524	0.5142
8	rs11362	6877877	G	COV7	323	0.8804	-1.022	0.3067
8	rs11362	6877877	G	COV8	323	1.063	0.3612	0.718
8	rs11362	6877877	G	COV9	323	1.539	2.572	0.0101
8	rs11362	6877877	G	COV10	323	0.866	-0.9977	0.3184
8	rs11362	6877877	G	COV11	323	0.9803	-0.06871	0.9452
8	rs11362	6877877	G	COV12	323	1.114	0.5083	0.6112
8	rs11362	6877877	G	COV13	323	0.8448	-1.138	0.2551
8	rs11362	6877877	G	COV14	323	0.8893	-0.8353	0.4036

Table 12. (continued)

8	rs1800972	6877901	C	ADD	191	0.747	-0.9024	0.3669
8	rs1800972	6877901	C	COV1	191	1.126	0.3384	0.7351
8	rs1800972	6877901	C	COV2	191	0.7335	-1.431	0.1525
8	rs1800972	6877901	C	COV3	191	0.9343	-0.2401	0.8103
8	rs1800972	6877901	C	COV4	191	0.5775	-1.687	0.09166
8	rs1800972	6877901	C	COV5	191	0.9548	-0.2968	0.7666
8	rs1800972	6877901	C	COV6	191	1.415	2.136	0.0327
8	rs1800972	6877901	C	COV7	191	0.8828	-0.727	0.4673
8	rs1800972	6877901	C	COV8	191	1.352	1.312	0.1896
8	rs1800972	6877901	C	COV9	191	1.441	1.541	0.1232
8	rs1800972	6877901	C	COV10	191	0.8953	-0.5674	0.5704
8	rs1800972	6877901	C	COV11	191	1.666	1.267	0.205
8	rs1800972	6877901	C	COV12	191	0.9809	-0.06474	0.9484
8	rs1800972	6877901	C	COV13	191	0.8216	-1.031	0.3024
8	rs1800972	6877901	C	COV14	191	1.071	0.3457	0.7296
12	rs3741559	49951193	A	ADD	83	0.7713	-0.5748	0.5654
12	rs3741559	49951193	A	COV1	83	0.6291	-0.7907	0.4291
12	rs3741559	49951193	A	COV2	83	0.5863	-1.405	0.16
12	rs3741559	49951193	A	COV3	83	0.5773	-1.153	0.2488
12	rs3741559	49951193	A	COV4	83	1.528	0.7557	0.4498
12	rs3741559	49951193	A	COV5	83	0.6551	-1.759	0.0786
12	rs3741559	49951193	A	COV6	83	1.541	1.343	0.1794
12	rs3741559	49951193	A	COV7	83	0.9611	-0.1511	0.8799
12	rs3741559	49951193	A	COV8	83	1.07	0.1801	0.857
12	rs3741559	49951193	A	COV9	83	1.19	0.4452	0.6562
12	rs3741559	49951193	A	COV10	83	1.533	1.254	0.2097
12	rs3741559	49951193	A	COV11	83	0.5251	-0.9863	0.324
12	rs3741559	49951193	A	COV12	83	1.758	1.117	0.2642
12	rs3741559	49951193	A	COV13	83	1.117	0.3216	0.7477
12	rs3741559	49951193	A	COV14	83	0.7933	-0.7627	0.4456
12	rs461872	49951423	A	ADD	119	0.8848	-0.3695	0.7117
12	rs461872	49951423	A	COV1	119	0.8511	-0.3269	0.7437
12	rs461872	49951423	A	COV2	119	0.9377	-0.1912	0.8484
12	rs461872	49951423	A	COV3	119	1.98	1.499	0.134
12	rs461872	49951423	A	COV4	119	1.423	0.6542	0.513
12	rs461872	49951423	A	COV5	119	0.5166	-2.56	0.01047
12	rs461872	49951423	A	COV6	119	1.535	1.776	0.07576
12	rs461872	49951423	A	COV7	119	1.056	0.1878	0.851
12	rs461872	49951423	A	COV8	119	1.958	1.612	0.1069
12	rs461872	49951423	A	COV9	119	1.636	1.134	0.2567
12	rs461872	49951423	A	COV10	119	0.7662	-0.7224	0.4701
12	rs461872	49951423	A	COV11	119	1.392	0.5218	0.6018
12	rs461872	49951423	A	COV12	119	0.507	-1.353	0.1761
12	rs461872	49951423	A	COV13	119	0.4612	-2.551	0.01073
12	rs461872	49951423	A	COV14	119	0.9556	-0.1492	0.8814
12	rs461872	49951423	A	ADD	88	0.7945	-0.6161	0.5378
12	rs461872	49951423	A	COV1	88	0.3325	-1.686	0.09178
12	rs461872	49951423	A	COV2	88	0.5059	-1.568	0.1168
12	rs461872	49951423	A	COV3	88	1.895	1.068	0.2857
12	rs461872	49951423	A	COV4	88	1.369	0.4703	0.6382
12	rs461872	49951423	A	COV5	88	0.381	-2.906	0.003666
12	rs461872	49951423	A	COV6	88	1.471	1.518	0.1291

Table 12. (continued)

12	rs461872	49951423	A	COV7	88	1.041	0.1276	0.8984
12	rs461872	49951423	A	COV8	88	4.21	2.327	0.01997
12	rs461872	49951423	A	COV9	88	2.274	1.575	0.1152
12	rs461872	49951423	A	COV10	88	0.8232	-0.432	0.6657
12	rs461872	49951423	A	COV11	88	0.94	-0.08557	0.9318
12	rs461872	49951423	A	COV12	88	0.6708	-0.7171	0.4733
12	rs461872	49951423	A	COV13	88	0.442	-2.382	0.01723
12	rs461872	49951423	A	COV14	88	1.152	0.4212	0.6736
12	rs467323	49955982	A	ADD	185	0.4287	-1.94	0.0524
12	rs467323	49955982	A	COV1	185	1.285	0.7172	0.4733
12	rs467323	49955982	A	COV2	185	0.8674	-0.6602	0.5091
12	rs467323	49955982	A	COV3	185	1.266	0.7332	0.4635
12	rs467323	49955982	A	COV4	185	1.297	0.8457	0.3977
12	rs467323	49955982	A	COV5	185	1.047	0.3163	0.7517
12	rs467323	49955982	A	COV6	185	1.026	0.1876	0.8512
12	rs467323	49955982	A	COV7	185	0.9504	-0.292	0.7703
12	rs467323	49955982	A	COV8	185	1.162	0.6775	0.4981
12	rs467323	49955982	A	COV9	185	1.216	0.8711	0.3837
12	rs467323	49955982	A	COV10	185	0.9337	-0.3212	0.7481
12	rs467323	49955982	A	COV11	185	0.6535	-1.052	0.293
12	rs467323	49955982	A	COV12	185	0.952	-0.1654	0.8686
12	rs467323	49955982	A	COV13	185	0.8016	-1.045	0.2961
12	rs467323	49955982	A	COV14	185	0.9411	-0.303	0.7619
12	rs2878771	49958610	C	ADD	406	1.045	0.2349	0.8143
12	rs2878771	49958610	C	COV1	406	0.9764	-0.1065	0.9152
12	rs2878771	49958610	C	COV2	406	1.041	0.2831	0.7771
12	rs2878771	49958610	C	COV3	406	0.9467	-0.2807	0.779
12	rs2878771	49958610	C	COV4	406	0.9091	-0.4554	0.6488
12	rs2878771	49958610	C	COV5	406	0.9135	-0.9366	0.349
12	rs2878771	49958610	C	COV6	406	1.098	0.973	0.3306
12	rs2878771	49958610	C	COV7	406	0.919	-0.7429	0.4576
12	rs2878771	49958610	C	COV8	406	1.302	1.764	0.07765
12	rs2878771	49958610	C	COV9	406	1.454	2.479	0.01319
12	rs2878771	49958610	C	COV10	406	0.9143	-0.6797	0.4967
12	rs2878771	49958610	C	COV11	406	1.18	0.7032	0.482
12	rs2878771	49958610	C	COV12	406	0.9519	-0.2569	0.7972
12	rs2878771	49958610	C	COV13	406	0.8459	-1.281	0.2002
12	rs2878771	49958610	C	COV14	406	0.9036	-0.7934	0.4276
12	rs3736309	49964271	G	ADD	345	1.308	1.219	0.2229
12	rs3736309	49964271	G	COV1	345	1.007	0.02903	0.9768
12	rs3736309	49964271	G	COV2	345	0.9689	-0.2009	0.8408
12	rs3736309	49964271	G	COV3	345	1.01	0.04697	0.9625
12	rs3736309	49964271	G	COV4	345	0.8383	-0.7761	0.4377
12	rs3736309	49964271	G	COV5	345	0.8821	-1.184	0.2363
12	rs3736309	49964271	G	COV6	345	1.139	1.248	0.2119
12	rs3736309	49964271	G	COV7	345	0.8752	-1.11	0.267
12	rs3736309	49964271	G	COV8	345	1.258	1.472	0.1411
12	rs3736309	49964271	G	COV9	345	1.432	2.128	0.03331
12	rs3736309	49964271	G	COV10	345	0.974	-0.1843	0.8538
12	rs3736309	49964271	G	COV11	345	1.345	1.11	0.267
12	rs3736309	49964271	G	COV12	345	1.037	0.1717	0.8637
12	rs3736309	49964271	G	COV13	345	0.7978	-1.58	0.114

Table 12. (continued)

12	rs3736309	49964271	G	COV14	345	0.9584	-0.3027	0.7621
12	rs296763	49969231	C	ADD	405	0.9297	-0.3745	0.708
12	rs296763	49969231	C	COV1	405	0.933	-0.3102	0.7564
12	rs296763	49969231	C	COV2	405	1.048	0.3343	0.7382
12	rs296763	49969231	C	COV3	405	0.934	-0.3513	0.7253
12	rs296763	49969231	C	COV4	405	0.9658	-0.1672	0.8672
12	rs296763	49969231	C	COV5	405	0.9103	-0.9741	0.33
12	rs296763	49969231	C	COV6	405	1.116	1.179	0.2384
12	rs296763	49969231	C	COV7	405	0.923	-0.7039	0.4815
12	rs296763	49969231	C	COV8	405	1.233	1.44	0.1498
12	rs296763	49969231	C	COV9	405	1.441	2.435	0.0149
12	rs296763	49969231	C	COV10	405	0.923	-0.6137	0.5394
12	rs296763	49969231	C	COV11	405	1.203	0.7892	0.43
12	rs296763	49969231	C	COV12	405	0.9668	-0.1743	0.8616
12	rs296763	49969231	C	COV13	405	0.8294	-1.439	0.1501
12	rs296763	49969231	C	COV14	405	0.866	-1.132	0.2577
12	rs1996315	49970924	G	ADD	420	1.303	1.701	0.08903
12	rs1996315	49970924	G	COV1	420	0.957	-0.1972	0.8437
12	rs1996315	49970924	G	COV2	420	1.035	0.2493	0.8031
12	rs1996315	49970924	G	COV3	420	0.9782	-0.1142	0.9091
12	rs1996315	49970924	G	COV4	420	0.9588	-0.2042	0.8382
12	rs1996315	49970924	G	COV5	420	0.9115	-0.9657	0.3342
12	rs1996315	49970924	G	COV6	420	1.111	1.122	0.262
12	rs1996315	49970924	G	COV7	420	0.933	-0.6131	0.5398
12	rs1996315	49970924	G	COV8	420	1.249	1.529	0.1264
12	rs1996315	49970924	G	COV9	420	1.386	2.206	0.02737
12	rs1996315	49970924	G	COV10	420	0.9494	-0.3971	0.6913
12	rs1996315	49970924	G	COV11	420	1.127	0.5177	0.6047
12	rs1996315	49970924	G	COV12	420	0.955	-0.2404	0.81
12	rs1996315	49970924	G	COV13	420	0.8304	-1.436	0.151
12	rs1996315	49970924	G	COV14	420	0.8922	-0.8913	0.3728
14	rs1997532	21729203	C	ADD	405	0.9436	-0.3543	0.7231
14	rs1997532	21729203	C	COV1	405	0.9467	-0.246	0.8057
14	rs1997532	21729203	C	COV2	405	1.02	0.1423	0.8868
14	rs1997532	21729203	C	COV3	405	0.9665	-0.1774	0.8592
14	rs1997532	21729203	C	COV4	405	1.007	0.03264	0.974
14	rs1997532	21729203	C	COV5	405	0.9248	-0.8155	0.4148
14	rs1997532	21729203	C	COV6	405	1.13	1.314	0.1887
14	rs1997532	21729203	C	COV7	405	0.9048	-0.8712	0.3837
14	rs1997532	21729203	C	COV8	405	1.143	0.9011	0.3675
14	rs1997532	21729203	C	COV9	405	1.411	2.34	0.01929
14	rs1997532	21729203	C	COV10	405	0.9548	-0.358	0.7204
14	rs1997532	21729203	C	COV11	405	1.204	0.7935	0.4275
14	rs1997532	21729203	C	COV12	405	0.9895	-0.05549	0.9557
14	rs1997532	21729203	C	COV13	405	0.8044	-1.69	0.09111
14	rs1997532	21729203	C	COV14	405	0.8758	-1.042	0.2976
14	rs1997533	21729284	C	ADD	315	0.915	-0.4646	0.6422
14	rs1997533	21729284	C	COV1	315	1.009	0.03605	0.9712
14	rs1997533	21729284	C	COV2	315	0.9935	-0.04048	0.9677
14	rs1997533	21729284	C	COV3	315	1.058	0.2525	0.8006
14	rs1997533	21729284	C	COV4	315	0.728	-1.297	0.1945
14	rs1997533	21729284	C	COV5	315	1.023	0.2102	0.8335

Table 12. (continued)

14	rs1997533	21729284	C	COV6	315	1.068	0.6245	0.5323
14	rs1997533	21729284	C	COV7	315	0.9537	-0.3697	0.7116
14	rs1997533	21729284	C	COV8	315	1.293	1.458	0.1447
14	rs1997533	21729284	C	COV9	315	1.317	1.595	0.1107
14	rs1997533	21729284	C	COV10	315	1.034	0.2274	0.8201
14	rs1997533	21729284	C	COV11	315	1.193	0.6301	0.5287
14	rs1997533	21729284	C	COV12	315	1.03	0.1369	0.8911
14	rs1997533	21729284	C	COV13	315	0.8406	-1.165	0.2441
14	rs1997533	21729284	C	COV14	315	0.8661	-0.9895	0.3224
14	rs7150049	21733607	G	ADD	383	0.878	-0.8632	0.388
14	rs7150049	21733607	G	COV1	383	0.8045	-0.9415	0.3464
14	rs7150049	21733607	G	COV2	383	1.101	0.6512	0.5149
14	rs7150049	21733607	G	COV3	383	0.9568	-0.2178	0.8276
14	rs7150049	21733607	G	COV4	383	0.9484	-0.2511	0.8017
14	rs7150049	21733607	G	COV5	383	0.9468	-0.5493	0.5828
14	rs7150049	21733607	G	COV6	383	1.096	0.956	0.3391
14	rs7150049	21733607	G	COV7	383	0.9297	-0.604	0.5459
14	rs7150049	21733607	G	COV8	383	1.259	1.529	0.1263
14	rs7150049	21733607	G	COV9	383	1.539	2.789	0.005281
14	rs7150049	21733607	G	COV10	383	0.8982	-0.7876	0.4309
14	rs7150049	21733607	G	COV11	383	1.1	0.3717	0.7101
14	rs7150049	21733607	G	COV12	383	0.9781	-0.1104	0.9121
14	rs7150049	21733607	G	COV13	383	0.7717	-1.853	0.06394
14	rs7150049	21733607	G	COV14	383	0.8634	-1.12	0.2629
14	rs8011979	21733619	T	ADD	363	0.8139	-1.167	0.2433
14	rs8011979	21733619	T	COV1	363	0.812	-0.8641	0.3875
14	rs8011979	21733619	T	COV2	363	1.089	0.5486	0.5833
14	rs8011979	21733619	T	COV3	363	0.9101	-0.4582	0.6468
14	rs8011979	21733619	T	COV4	363	1.031	0.1383	0.89
14	rs8011979	21733619	T	COV5	363	0.9332	-0.6694	0.5032
14	rs8011979	21733619	T	COV6	363	1.076	0.7289	0.4661
14	rs8011979	21733619	T	COV7	363	0.8948	-0.8955	0.3705
14	rs8011979	21733619	T	COV8	363	1.314	1.661	0.09663
14	rs8011979	21733619	T	COV9	363	1.442	2.259	0.02387
14	rs8011979	21733619	T	COV10	363	1.021	0.1434	0.886
14	rs8011979	21733619	T	COV11	363	1.271	0.9403	0.347
14	rs8011979	21733619	T	COV12	363	0.8849	-0.5947	0.552
14	rs8011979	21733619	T	COV13	363	0.7868	-1.7	0.08914
14	rs8011979	21733619	T	COV14	363	0.8778	-0.9496	0.3423
14	rs4903399	76308859	T	ADD	383	0.8506	-0.7967	0.4256
14	rs4903399	76308859	T	COV1	383	0.7876	-1.035	0.3007
14	rs4903399	76308859	T	COV2	383	0.9766	-0.1615	0.8717
14	rs4903399	76308859	T	COV3	383	1.119	0.5616	0.5744
14	rs4903399	76308859	T	COV4	383	0.92	-0.3932	0.6942
14	rs4903399	76308859	T	COV5	383	0.9349	-0.6701	0.5028
14	rs4903399	76308859	T	COV6	383	1.079	0.788	0.4307
14	rs4903399	76308859	T	COV7	383	0.9126	-0.7734	0.4393
14	rs4903399	76308859	T	COV8	383	1.288	1.665	0.09596
14	rs4903399	76308859	T	COV9	383	1.478	2.524	0.01161
14	rs4903399	76308859	T	COV10	383	0.8902	-0.8403	0.4007
14	rs4903399	76308859	T	COV11	383	1.206	0.78	0.4354
14	rs4903399	76308859	T	COV12	383	0.9725	-0.1407	0.8881

Table 12. (continued)

14	rs4903399	76308859	T	COV13	383	0.7754	-1.882	0.0598
14	rs4903399	76308859	T	COV14	383	0.8529	-1.21	0.2263
14	rs6574293	76404257	A	ADD	370	1.315	0.9935	0.3205
14	rs6574293	76404257	A	COV1	370	1.012	0.04825	0.9615
14	rs6574293	76404257	A	COV2	370	1.135	0.8367	0.4028
14	rs6574293	76404257	A	COV3	370	1.05	0.2378	0.812
14	rs6574293	76404257	A	COV4	370	0.9097	-0.44	0.6599
14	rs6574293	76404257	A	COV5	370	0.8949	-1.059	0.2896
14	rs6574293	76404257	A	COV6	370	1.084	0.8031	0.4219
14	rs6574293	76404257	A	COV7	370	0.8875	-0.9647	0.3347
14	rs6574293	76404257	A	COV8	370	1.21	1.246	0.2128
14	rs6574293	76404257	A	COV9	370	1.478	2.392	0.01676
14	rs6574293	76404257	A	COV10	370	0.9375	-0.4544	0.6495
14	rs6574293	76404257	A	COV11	370	1.204	0.769	0.4419
14	rs6574293	76404257	A	COV12	370	0.8878	-0.5947	0.5521
14	rs6574293	76404257	A	COV13	370	0.7926	-1.619	0.1054
14	rs6574293	76404257	A	COV14	370	0.8671	-1.062	0.2883
14	rs10132091	76404475	C	ADD	386	1.003	0.01958	0.9844
14	rs10132091	76404475	C	COV1	386	0.8446	-0.7243	0.4689
14	rs10132091	76404475	C	COV2	386	0.9781	-0.1527	0.8787
14	rs10132091	76404475	C	COV3	386	0.9796	-0.1015	0.9192
14	rs10132091	76404475	C	COV4	386	0.9544	-0.2173	0.828
14	rs10132091	76404475	C	COV5	386	0.905	-0.9901	0.3221
14	rs10132091	76404475	C	COV6	386	1.108	1.066	0.2864
14	rs10132091	76404475	C	COV7	386	1.018	0.1419	0.8871
14	rs10132091	76404475	C	COV8	386	1.168	1.017	0.3091
14	rs10132091	76404475	C	COV9	386	1.458	2.441	0.01464
14	rs10132091	76404475	C	COV10	386	0.9351	-0.498	0.6185
14	rs10132091	76404475	C	COV11	386	1.093	0.3583	0.7201
14	rs10132091	76404475	C	COV12	386	0.9325	-0.3564	0.7215
14	rs10132091	76404475	C	COV13	386	0.8135	-1.533	0.1254
14	rs10132091	76404475	C	COV14	386	0.9074	-0.7399	0.4594
14	rs1077430	76431334	A	ADD	337	0.824	-1.031	0.3026
14	rs1077430	76431334	A	COV1	337	0.9377	-0.256	0.798
14	rs1077430	76431334	A	COV2	337	0.9001	-0.6568	0.5113
14	rs1077430	76431334	A	COV3	337	0.9956	-0.02067	0.9835
14	rs1077430	76431334	A	COV4	337	1.059	0.2487	0.8036
14	rs1077430	76431334	A	COV5	337	0.9793	-0.1953	0.8452
14	rs1077430	76431334	A	COV6	337	1.092	0.8492	0.3958
14	rs1077430	76431334	A	COV7	337	0.9473	-0.4103	0.6816
14	rs1077430	76431334	A	COV8	337	1.201	1.117	0.2642
14	rs1077430	76431334	A	COV9	337	1.554	2.555	0.01063
14	rs1077430	76431334	A	COV10	337	0.8403	-1.176	0.2397
14	rs1077430	76431334	A	COV11	337	1.396	1.182	0.2373
14	rs1077430	76431334	A	COV12	337	0.8626	-0.7041	0.4814
14	rs1077430	76431334	A	COV13	337	0.8093	-1.437	0.1506
14	rs1077430	76431334	A	COV14	337	0.875	-0.9415	0.3464
14	rs745011	76450932	C	ADD	373	1.078	0.4929	0.6221
14	rs745011	76450932	C	COV1	373	0.8734	-0.571	0.568
14	rs745011	76450932	C	COV2	373	1.095	0.6059	0.5446
14	rs745011	76450932	C	COV3	373	1.012	0.05717	0.9544
14	rs745011	76450932	C	COV4	373	1.041	0.1863	0.8522

Table 12. (continued)

14	rs745011	76450932	C	COV5	373	0.8717	-1.341	0.18
14	rs745011	76450932	C	COV6	373	1.137	1.306	0.1915
14	rs745011	76450932	C	COV7	373	0.8898	-0.9179	0.3587
14	rs745011	76450932	C	COV8	373	1.268	1.44	0.1499
14	rs745011	76450932	C	COV9	373	1.397	2.127	0.03345
14	rs745011	76450932	C	COV10	373	0.9837	-0.1182	0.9059
14	rs745011	76450932	C	COV11	373	1.18	0.6725	0.5013
14	rs745011	76450932	C	COV12	373	0.9764	-0.1132	0.9099
14	rs745011	76450932	C	COV13	373	0.7264	-2.32	0.02035
14	rs745011	76450932	C	COV14	373	0.8905	-0.8646	0.3873
14	rs1676303	76525821	C	ADD	386	1.182	0.7074	0.4793
14	rs1676303	76525821	C	COV1	386	0.7849	-1.045	0.2962
14	rs1676303	76525821	C	COV2	386	0.9954	-0.03121	0.9751
14	rs1676303	76525821	C	COV3	386	1.076	0.3674	0.7133
14	rs1676303	76525821	C	COV4	386	0.9356	-0.3097	0.7568
14	rs1676303	76525821	C	COV5	386	0.926	-0.7723	0.44
14	rs1676303	76525821	C	COV6	386	1.153	1.442	0.1492
14	rs1676303	76525821	C	COV7	386	0.904	-0.8517	0.3944
14	rs1676303	76525821	C	COV8	386	1.224	1.36	0.174
14	rs1676303	76525821	C	COV9	386	1.496	2.582	0.009835
14	rs1676303	76525821	C	COV10	386	0.8771	-0.9581	0.338
14	rs1676303	76525821	C	COV11	386	1.248	0.9145	0.3605
14	rs1676303	76525821	C	COV12	386	0.9369	-0.3269	0.7437
14	rs1676303	76525821	C	COV13	386	0.7786	-1.846	0.06496
14	rs1676303	76525821	C	COV14	386	0.8663	-1.093	0.2742
14	rs2860216	76539665	C	ADD	367	0.816	-1.176	0.2398
14	rs2860216	76539665	C	COV1	367	1.019	0.07965	0.9365
14	rs2860216	76539665	C	COV2	367	1.024	0.1587	0.8739
14	rs2860216	76539665	C	COV3	367	1.111	0.4959	0.6199
14	rs2860216	76539665	C	COV4	367	0.9546	-0.211	0.8329
14	rs2860216	76539665	C	COV5	367	0.9159	-0.8538	0.3932
14	rs2860216	76539665	C	COV6	367	1.063	0.624	0.5326
14	rs2860216	76539665	C	COV7	367	0.9121	-0.7491	0.4538
14	rs2860216	76539665	C	COV8	367	1.171	1.047	0.2952
14	rs2860216	76539665	C	COV9	367	1.365	2.009	0.0445
14	rs2860216	76539665	C	COV10	367	0.9538	-0.3437	0.7311
14	rs2860216	76539665	C	COV11	367	1.046	0.1894	0.8498
14	rs2860216	76539665	C	COV12	367	1.059	0.2779	0.7811
14	rs2860216	76539665	C	COV13	367	0.7697	-1.901	0.05724
14	rs2860216	76539665	C	COV14	367	0.8571	-1.134	0.2566
17	rs2619112	4632090	A	ADD	379	1.107	0.5977	0.55
17	rs2619112	4632090	A	COV1	379	0.9241	-0.3396	0.7341
17	rs2619112	4632090	A	COV2	379	1.112	0.7228	0.4698
17	rs2619112	4632090	A	COV3	379	0.9881	-0.05723	0.9544
17	rs2619112	4632090	A	COV4	379	0.9179	-0.3936	0.6939
17	rs2619112	4632090	A	COV5	379	0.9305	-0.7153	0.4744
17	rs2619112	4632090	A	COV6	379	1.051	0.516	0.6059
17	rs2619112	4632090	A	COV7	379	0.9415	-0.5069	0.6122
17	rs2619112	4632090	A	COV8	379	1.241	1.392	0.1638
17	rs2619112	4632090	A	COV9	379	1.503	2.571	0.01014
17	rs2619112	4632090	A	COV10	379	0.9233	-0.5827	0.5601
17	rs2619112	4632090	A	COV11	379	1.244	0.8999	0.3682

Table 12. (continued)

17	rs2619112	4632090	A	COV12	379	0.8666	-0.7079	0.479
17	rs2619112	4632090	A	COV13	379	0.8272	-1.401	0.1613
17	rs2619112	4632090	A	COV14	379	0.875	-1.003	0.3157
17	rs7217186	4636097	C	ADD	116	1.448	0.9642	0.335
17	rs7217186	4636097	C	COV1	116	0.7147	-0.6399	0.5222
17	rs7217186	4636097	C	COV2	116	1.137	0.3575	0.7207
17	rs7217186	4636097	C	COV3	116	1.694	1.104	0.2695
17	rs7217186	4636097	C	COV4	116	0.7039	-0.7289	0.4661
17	rs7217186	4636097	C	COV5	116	0.6605	-1.701	0.08885
17	rs7217186	4636097	C	COV6	116	1.14	0.5814	0.561
17	rs7217186	4636097	C	COV7	116	2.365	2.188	0.0287
17	rs7217186	4636097	C	COV8	116	1.261	0.6057	0.5447
17	rs7217186	4636097	C	COV9	116	1.534	0.9577	0.3382
17	rs7217186	4636097	C	COV10	116	0.8853	-0.3271	0.7436
17	rs7217186	4636097	C	COV11	116	1.572	0.8318	0.4055
17	rs7217186	4636097	C	COV12	116	0.3623	-1.923	0.05451
17	rs7217186	4636097	C	COV13	116	0.8878	-0.4222	0.6729
17	rs7217186	4636097	C	COV14	116	0.5682	-1.926	0.05411
19	rs2235091	50907215	C	ADD	396	0.8669	-0.8457	0.3977
19	rs2235091	50907215	C	COV1	396	0.9034	-0.4437	0.6572
19	rs2235091	50907215	C	COV2	396	1.02	0.1423	0.8869
19	rs2235091	50907215	C	COV3	396	0.9171	-0.4266	0.6697
19	rs2235091	50907215	C	COV4	396	1.05	0.2272	0.8203
19	rs2235091	50907215	C	COV5	396	0.9193	-0.8527	0.3938
19	rs2235091	50907215	C	COV6	396	1.084	0.8415	0.4001
19	rs2235091	50907215	C	COV7	396	0.9219	-0.6962	0.4863
19	rs2235091	50907215	C	COV8	396	1.251	1.494	0.1352
19	rs2235091	50907215	C	COV9	396	1.422	2.345	0.01901
19	rs2235091	50907215	C	COV10	396	0.9396	-0.4692	0.6389
19	rs2235091	50907215	C	COV11	396	1.34	1.128	0.2594
19	rs2235091	50907215	C	COV12	396	0.9436	-0.2924	0.77
19	rs2235091	50907215	C	COV13	396	0.8104	-1.591	0.1115
19	rs2235091	50907215	C	COV14	396	0.8546	-1.207	0.2275
19	rs198968	50910072	A	ADD	354	1.095	0.4631	0.6433
19	rs198968	50910072	A	COV1	354	0.8265	-0.7972	0.4253
19	rs198968	50910072	A	COV2	354	1.021	0.1401	0.8886
19	rs198968	50910072	A	COV3	354	1.033	0.1561	0.876
19	rs198968	50910072	A	COV4	354	0.8416	-0.7836	0.4333
19	rs198968	50910072	A	COV5	354	0.9571	-0.4266	0.6696
19	rs198968	50910072	A	COV6	354	1.11	1.045	0.2959
19	rs198968	50910072	A	COV7	354	0.9202	-0.6971	0.4858
19	rs198968	50910072	A	COV8	354	1.291	1.527	0.1267
19	rs198968	50910072	A	COV9	354	1.396	2.107	0.03516
19	rs198968	50910072	A	COV10	354	0.9732	-0.2001	0.8414
19	rs198968	50910072	A	COV11	354	1.068	0.2616	0.7936
19	rs198968	50910072	A	COV12	354	0.8785	-0.631	0.528
19	rs198968	50910072	A	COV13	354	0.8556	-1.138	0.255
19	rs198968	50910072	A	COV14	354	0.9369	-0.4829	0.6291
22	rs5997096	12345610	T	ADD	318	1.029	0.1575	0.8749
22	rs5997096	12345610	T	COV1	318	0.9829	-0.06483	0.9483
22	rs5997096	12345610	T	COV2	318	1.16	0.8656	0.3867
22	rs5997096	12345610	T	COV3	318	1.163	0.6248	0.5321

Table 12. (continued)

22	rs5997096	12345610	T	COV4	318	0.7752	-0.9505	0.3418
22	rs5997096	12345610	T	COV5	318	0.9856	-0.1213	0.9034
22	rs5997096	12345610	T	COV6	318	1.14	1.129	0.2589
22	rs5997096	12345610	T	COV7	318	0.8583	-1.126	0.2602
22	rs5997096	12345610	T	COV8	318	1.414	1.84	0.0658
22	rs5997096	12345610	T	COV9	318	1.563	2.399	0.01644
22	rs5997096	12345610	T	COV10	318	0.8208	-1.267	0.2052
22	rs5997096	12345610	T	COV11	318	1.553	1.499	0.1339
22	rs5997096	12345610	T	COV12	318	0.7721	-1.111	0.2665
22	rs5997096	12345610	T	COV13	318	0.7111	-2.198	0.02798
22	rs5997096	12345610	T	COV14	318	0.769	-1.713	0.08676
23	rs946252	123456	T	ADD	328	NA	NA	NA
23	rs946252	123456	T	SEX	328	NA	NA	NA
23	rs946252	123456	T	COV1	328	NA	NA	NA
23	rs946252	123456	T	COV2	328	NA	NA	NA
23	rs946252	123456	T	COV3	328	NA	NA	NA
23	rs946252	123456	T	COV4	328	NA	NA	NA
23	rs946252	123456	T	COV5	328	NA	NA	NA
23	rs946252	123456	T	COV6	328	NA	NA	NA
23	rs946252	123456	T	COV7	328	NA	NA	NA
23	rs946252	123456	T	COV8	328	NA	NA	NA
23	rs946252	123456	T	COV9	328	NA	NA	NA
23	rs946252	123456	T	COV10	328	NA	NA	NA
23	rs946252	123456	T	COV11	328	NA	NA	NA
23	rs946252	123456	T	COV12	328	NA	NA	NA
23	rs946252	123456	T	COV13	328	NA	NA	NA
23	rs946252	123456	T	COV14	328	NA	NA	NA
Very High Caries vs. High Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	285	0.871	-0.6023	0.547
1	rs7526319	1234567	T	COV1	285	1.038	0.1379	0.8903
1	rs7526319	1234567	T	COV2	285	1.139	0.8394	0.4012
1	rs7526319	1234567	T	COV3	285	1.016	0.06643	0.947
1	rs7526319	1234567	T	COV4	285	0.7077	-1.154	0.2484
1	rs7526319	1234567	T	COV5	285	1.102	0.7693	0.4417
1	rs7526319	1234567	T	COV6	285	1.256	1.867	0.06195
1	rs7526319	1234567	T	COV7	285	0.9261	-0.5735	0.5663
1	rs7526319	1234567	T	COV8	285	1.313	1.528	0.1265
1	rs7526319	1234567	T	COV9	285	1.257	1.243	0.214
1	rs7526319	1234567	T	COV10	285	0.9657	-0.2282	0.8195
1	rs7526319	1234567	T	COV11	285	1.445	1.108	0.268
1	rs7526319	1234567	T	COV12	285	0.765	-1.196	0.2317
1	rs7526319	1234567	T	COV13	285	0.7408	-1.855	0.06356
1	rs7526319	1234567	T	COV14	285	0.9795	-0.1304	0.8962
1	rs9701796	18859635	G	ADD	354	1.082	0.4284	0.6683
1	rs9701796	18859635	G	COV1	354	0.8964	-0.4741	0.6354
1	rs9701796	18859635	G	COV2	354	1.058	0.411	0.6811
1	rs9701796	18859635	G	COV3	354	0.8732	-0.6839	0.494
1	rs9701796	18859635	G	COV4	354	0.8418	-0.7097	0.4779
1	rs9701796	18859635	G	COV5	354	0.9485	-0.5012	0.6162
1	rs9701796	18859635	G	COV6	354	1.063	0.6037	0.546

Table 12. (continued)

1	rs9701796	18859635	G	COV7	354	0.9498	-0.4591	0.6462
1	rs9701796	18859635	G	COV8	354	1.326	1.839	0.0659
1	rs9701796	18859635	G	COV9	354	1.314	1.791	0.07335
1	rs9701796	18859635	G	COV10	354	1.015	0.1107	0.9119
1	rs9701796	18859635	G	COV11	354	1.111	0.411	0.6811
1	rs9701796	18859635	G	COV12	354	0.9926	-0.03945	0.9685
1	rs9701796	18859635	G	COV13	354	0.8725	-0.9843	0.325
1	rs9701796	18859635	G	COV14	354	1.104	0.7386	0.4601
4	rs4694075	1234568	T	ADD	286	0.8986	-0.5871	0.5572
4	rs4694075	1234568	T	COV1	286	0.9989	-0.00429	0.9966
4	rs4694075	1234568	T	COV2	286	1.091	0.5407	0.5887
4	rs4694075	1234568	T	COV3	286	1.115	0.4429	0.6579
4	rs4694075	1234568	T	COV4	286	0.7157	-1.075	0.2825
4	rs4694075	1234568	T	COV5	286	1.072	0.5518	0.5811
4	rs4694075	1234568	T	COV6	286	1.161	1.216	0.2239
4	rs4694075	1234568	T	COV7	286	0.867	-1.019	0.3082
4	rs4694075	1234568	T	COV8	286	1.454	1.994	0.04615
4	rs4694075	1234568	T	COV9	286	1.433	1.883	0.05969
4	rs4694075	1234568	T	COV10	286	0.9381	-0.4195	0.6749
4	rs4694075	1234568	T	COV11	286	1.195	0.6033	0.5463
4	rs4694075	1234568	T	COV12	286	0.8735	-0.6489	0.5164
4	rs4694075	1234568	T	COV13	286	0.7197	-1.956	0.05052
4	rs4694075	1234568	T	COV14	286	0.9059	-0.6205	0.535
4	rs12640848	1234569	A	ADD	283	0.9688	-0.1928	0.8471
4	rs12640848	1234569	A	COV1	283	0.8907	-0.4345	0.6639
4	rs12640848	1234569	A	COV2	283	1.129	0.7871	0.4312
4	rs12640848	1234569	A	COV3	283	1.05	0.2074	0.8357
4	rs12640848	1234569	A	COV4	283	0.8566	-0.5141	0.6072
4	rs12640848	1234569	A	COV5	283	0.9658	-0.2796	0.7798
4	rs12640848	1234569	A	COV6	283	1.189	1.435	0.1514
4	rs12640848	1234569	A	COV7	283	0.9206	-0.6007	0.5481
4	rs12640848	1234569	A	COV8	283	1.301	1.483	0.138
4	rs12640848	1234569	A	COV9	283	1.201	1.036	0.3
4	rs12640848	1234569	A	COV10	283	1.004	0.02607	0.9792
4	rs12640848	1234569	A	COV11	283	1.331	0.9145	0.3605
4	rs12640848	1234569	A	COV12	283	0.8055	-1.048	0.2948
4	rs12640848	1234569	A	COV13	283	0.7732	-1.57	0.1164
4	rs12640848	1234569	A	COV14	283	0.9286	-0.4661	0.6412
5	rs375129	4952722	T	ADD	293	0.9155	-0.5454	0.5855
5	rs375129	4952722	T	COV1	293	0.7615	-1.044	0.2965
5	rs375129	4952722	T	COV2	293	1.074	0.4758	0.6342
5	rs375129	4952722	T	COV3	293	0.7486	-1.303	0.1926
5	rs375129	4952722	T	COV4	293	0.8454	-0.5965	0.5508
5	rs375129	4952722	T	COV5	293	0.9589	-0.3593	0.7194
5	rs375129	4952722	T	COV6	293	1.095	0.8197	0.4124
5	rs375129	4952722	T	COV7	293	0.9858	-0.1105	0.912
5	rs375129	4952722	T	COV8	293	1.269	1.473	0.1408
5	rs375129	4952722	T	COV9	293	1.548	2.511	0.01203
5	rs375129	4952722	T	COV10	293	1.042	0.28	0.7795
5	rs375129	4952722	T	COV11	293	1.012	0.04367	0.9652
5	rs375129	4952722	T	COV12	293	0.9851	-0.07489	0.9403
5	rs375129	4952722	T	COV13	293	0.823	-1.23	0.2188

Table 12. (continued)

5	rs375129	4952722	T	COV14	293	1.183	1.135	0.2562
5	rs27565	60541764	A	ADD	196	1.337	1.241	0.2145
5	rs27565	60541764	A	COV1	196	0.6907	-1.121	0.2622
5	rs27565	60541764	A	COV2	196	1.107	0.5343	0.5931
5	rs27565	60541764	A	COV3	196	0.8939	-0.4176	0.6762
5	rs27565	60541764	A	COV4	196	0.7079	-0.9572	0.3385
5	rs27565	60541764	A	COV5	196	1.046	0.3125	0.7546
5	rs27565	60541764	A	COV6	196	1.111	0.7486	0.4541
5	rs27565	60541764	A	COV7	196	1.004	0.02807	0.9776
5	rs27565	60541764	A	COV8	196	1.203	0.9227	0.3561
5	rs27565	60541764	A	COV9	196	1.697	2.382	0.01723
5	rs27565	60541764	A	COV10	196	0.9206	-0.4709	0.6377
5	rs27565	60541764	A	COV11	196	1.132	0.3352	0.7375
5	rs27565	60541764	A	COV12	196	0.8202	-0.8331	0.4048
5	rs27565	60541764	A	COV13	196	0.8719	-0.706	0.4802
5	rs27565	60541764	A	COV14	196	1.092	0.479	0.6319
5	rs6862039	73503170	A	ADD	309	0.6123	-1.804	0.07129
5	rs6862039	73503170	A	COV1	309	0.8013	-0.8964	0.37
5	rs6862039	73503170	A	COV2	309	1.049	0.3329	0.7392
5	rs6862039	73503170	A	COV3	309	0.8516	-0.7666	0.4433
5	rs6862039	73503170	A	COV4	309	0.9985	-0.005713	0.9954
5	rs6862039	73503170	A	COV5	309	0.8867	-1.054	0.2918
5	rs6862039	73503170	A	COV6	309	1.062	0.5506	0.5819
5	rs6862039	73503170	A	COV7	309	0.887	-1.018	0.3088
5	rs6862039	73503170	A	COV8	309	1.166	1.01	0.3124
5	rs6862039	73503170	A	COV9	309	1.261	1.426	0.1538
5	rs6862039	73503170	A	COV10	309	1.117	0.7557	0.4498
5	rs6862039	73503170	A	COV11	309	1.327	0.935	0.3498
5	rs6862039	73503170	A	COV12	309	1.035	0.1798	0.8573
5	rs6862039	73503170	A	COV13	309	0.8763	-0.9089	0.3634
5	rs6862039	73503170	A	COV14	309	1.019	0.1282	0.898
7	rs17159702	30919387	C	ADD	356	0.7056	-2.197	0.02802
7	rs17159702	30919387	C	COV1	356	0.7984	-0.9653	0.3344
7	rs17159702	30919387	C	COV2	356	1.084	0.5852	0.5584
7	rs17159702	30919387	C	COV3	356	0.8103	-1.005	0.315
7	rs17159702	30919387	C	COV4	356	0.8982	-0.4195	0.6748
7	rs17159702	30919387	C	COV5	356	0.9428	-0.5425	0.5875
7	rs17159702	30919387	C	COV6	356	1.153	1.37	0.1706
7	rs17159702	30919387	C	COV7	356	0.971	-0.2627	0.7928
7	rs17159702	30919387	C	COV8	356	1.232	1.38	0.1674
7	rs17159702	30919387	C	COV9	356	1.279	1.583	0.1135
7	rs17159702	30919387	C	COV10	356	1.066	0.4659	0.6413
7	rs17159702	30919387	C	COV11	356	1.11	0.399	0.6899
7	rs17159702	30919387	C	COV12	356	1.006	0.03399	0.9729
7	rs17159702	30919387	C	COV13	356	0.8271	-1.297	0.1947
7	rs17159702	30919387	C	COV14	356	1.056	0.3961	0.6921
7	rs10246939	141972804	C	ADD	312	1.402	2.039	0.04144
7	rs10246939	141972804	C	COV1	312	0.749	-1.143	0.2529
7	rs10246939	141972804	C	COV2	312	1.063	0.4163	0.6772
7	rs10246939	141972804	C	COV3	312	0.9029	-0.4805	0.6309
7	rs10246939	141972804	C	COV4	312	0.7228	-1.199	0.2304
7	rs10246939	141972804	C	COV5	312	0.8958	-0.965	0.3345

Table 12. (continued)

7	rs10246939	141972804	C	COV6	312	1.149	1.246	0.2128
7	rs10246939	141972804	C	COV7	312	0.9037	-0.8319	0.4054
7	rs10246939	141972804	C	COV8	312	1.377	1.959	0.05015
7	rs10246939	141972804	C	COV9	312	1.445	2.169	0.03009
7	rs10246939	141972804	C	COV10	312	0.9583	-0.2852	0.7755
7	rs10246939	141972804	C	COV11	312	1.207	0.639	0.5228
7	rs10246939	141972804	C	COV12	312	0.952	-0.2396	0.8106
7	rs10246939	141972804	C	COV13	312	0.9124	-0.5948	0.552
7	rs10246939	141972804	C	COV14	312	1.193	1.213	0.225
7	rs1726866	141972905	T	ADD	328	1.345	1.771	0.07659
7	rs1726866	141972905	T	COV1	328	0.8732	-0.5578	0.577
7	rs1726866	141972905	T	COV2	328	1.045	0.3106	0.7561
7	rs1726866	141972905	T	COV3	328	0.889	-0.568	0.57
7	rs1726866	141972905	T	COV4	328	0.8479	-0.6463	0.5181
7	rs1726866	141972905	T	COV5	328	0.8904	-1.051	0.2932
7	rs1726866	141972905	T	COV6	328	1.029	0.28	0.7795
7	rs1726866	141972905	T	COV7	328	0.9379	-0.5557	0.5784
7	rs1726866	141972905	T	COV8	328	1.348	1.897	0.05782
7	rs1726866	141972905	T	COV9	328	1.308	1.673	0.09439
7	rs1726866	141972905	T	COV10	328	1.043	0.2956	0.7676
7	rs1726866	141972905	T	COV11	328	1.066	0.2351	0.8141
7	rs1726866	141972905	T	COV12	328	1.045	0.2232	0.8234
7	rs1726866	141972905	T	COV13	328	0.8986	-0.741	0.4587
7	rs1726866	141972905	T	COV14	328	1.078	0.5496	0.5826
7	rs713598	141973545	G	ADD	313	1.372	1.733	0.08305
7	rs713598	141973545	G	COV1	313	0.8953	-0.4475	0.6545
7	rs713598	141973545	G	COV2	313	1.007	0.04698	0.9625
7	rs713598	141973545	G	COV3	313	0.8984	-0.4975	0.6189
7	rs713598	141973545	G	COV4	313	0.9421	-0.2317	0.8168
7	rs713598	141973545	G	COV5	313	0.9003	-0.9308	0.352
7	rs713598	141973545	G	COV6	313	1.082	0.7441	0.4568
7	rs713598	141973545	G	COV7	313	0.9012	-0.8177	0.4136
7	rs713598	141973545	G	COV8	313	1.31	1.725	0.08461
7	rs713598	141973545	G	COV9	313	1.34	1.767	0.07718
7	rs713598	141973545	G	COV10	313	0.9251	-0.5446	0.586
7	rs713598	141973545	G	COV11	313	1.136	0.4719	0.637
7	rs713598	141973545	G	COV12	313	0.9658	-0.1744	0.8616
7	rs713598	141973545	G	COV13	313	0.8734	-0.898	0.3692
7	rs713598	141973545	G	COV14	313	1.1	0.6687	0.5037
8	rs11362	6877877	G	ADD	288	0.9381	-0.3409	0.7332
8	rs11362	6877877	G	COV1	288	0.8286	-0.731	0.4648
8	rs11362	6877877	G	COV2	288	1.037	0.2464	0.8053
8	rs11362	6877877	G	COV3	288	0.781	-1.139	0.2546
8	rs11362	6877877	G	COV4	288	0.965	-0.1288	0.8975
8	rs11362	6877877	G	COV5	288	0.9829	-0.1482	0.8822
8	rs11362	6877877	G	COV6	288	1.017	0.153	0.8784
8	rs11362	6877877	G	COV7	288	0.9221	-0.6427	0.5204
8	rs11362	6877877	G	COV8	288	1.227	1.288	0.1979
8	rs11362	6877877	G	COV9	288	1.308	1.564	0.1178
8	rs11362	6877877	G	COV10	288	0.9722	-0.1957	0.8448
8	rs11362	6877877	G	COV11	288	0.9911	-0.03006	0.976
8	rs11362	6877877	G	COV12	288	1.164	0.7338	0.4631

Table 12. (continued)

8	rs11362	6877877	G	COV13	288	0.8743	-0.8534	0.3935
8	rs11362	6877877	G	COV14	288	1.119	0.7749	0.4384
8	rs1800972	6877901	C	ADD	158	0.8959	-0.3279	0.743
8	rs1800972	6877901	C	COV1	158	1.234	0.5694	0.5691
8	rs1800972	6877901	C	COV2	158	0.7449	-1.302	0.1928
8	rs1800972	6877901	C	COV3	158	0.7228	-1.027	0.3047
8	rs1800972	6877901	C	COV4	158	0.8052	-0.5571	0.5775
8	rs1800972	6877901	C	COV5	158	1.01	0.0582	0.9536
8	rs1800972	6877901	C	COV6	158	1.322	1.652	0.09854
8	rs1800972	6877901	C	COV7	158	0.8901	-0.713	0.4758
8	rs1800972	6877901	C	COV8	158	1.332	1.208	0.2272
8	rs1800972	6877901	C	COV9	158	1.365	1.356	0.175
8	rs1800972	6877901	C	COV10	158	0.9866	-0.06638	0.9471
8	rs1800972	6877901	C	COV11	158	1.101	0.231	0.8173
8	rs1800972	6877901	C	COV12	158	1.314	0.9014	0.3674
8	rs1800972	6877901	C	COV13	158	0.8318	-0.8868	0.3752
8	rs1800972	6877901	C	COV14	158	1.41	1.598	0.1101
12	rs3741559	49951193	A	ADD	68	0.8212	-0.381	0.7032
12	rs3741559	49951193	A	COV1	68	0.5227	-0.9694	0.3324
12	rs3741559	49951193	A	COV2	68	0.5096	-1.732	0.08333
12	rs3741559	49951193	A	COV3	68	1.158	0.2447	0.8067
12	rs3741559	49951193	A	COV4	68	1.018	0.03005	0.976
12	rs3741559	49951193	A	COV5	68	0.4613	-2.256	0.02409
12	rs3741559	49951193	A	COV6	68	1.542	1.321	0.1864
12	rs3741559	49951193	A	COV7	68	0.6176	-1.551	0.1209
12	rs3741559	49951193	A	COV8	68	1.109	0.2242	0.8226
12	rs3741559	49951193	A	COV9	68	1.293	0.577	0.5639
12	rs3741559	49951193	A	COV10	68	1.229	0.5212	0.6022
12	rs3741559	49951193	A	COV11	68	0.933	-0.08982	0.9284
12	rs3741559	49951193	A	COV12	68	2.604	1.643	0.1004
12	rs3741559	49951193	A	COV13	68	0.6685	-0.8635	0.3879
12	rs3741559	49951193	A	COV14	68	0.7248	-0.8854	0.376
12	rs461872	49951423	A	ADD	95	1.049	0.1111	0.9116
12	rs461872	49951423	A	COV1	95	0.7332	-0.5971	0.5504
12	rs461872	49951423	A	COV2	95	0.5741	-1.406	0.1598
12	rs461872	49951423	A	COV3	95	1.652	0.9362	0.3492
12	rs461872	49951423	A	COV4	95	1.527	0.5984	0.5496
12	rs461872	49951423	A	COV5	95	0.5477	-2.001	0.04537
12	rs461872	49951423	A	COV6	95	1.607	1.564	0.1177
12	rs461872	49951423	A	COV7	95	1.458	1.061	0.2886
12	rs461872	49951423	A	COV8	95	1.791	1.163	0.2449
12	rs461872	49951423	A	COV9	95	1.594	1.057	0.2906
12	rs461872	49951423	A	COV10	95	0.8792	-0.3596	0.7191
12	rs461872	49951423	A	COV11	95	0.6157	-0.7086	0.4786
12	rs461872	49951423	A	COV12	95	0.4776	-1.536	0.1246
12	rs461872	49951423	A	COV13	95	0.5752	-1.738	0.08216
12	rs461872	49951423	A	COV14	95	1.128	0.3591	0.7195
12	rs461872	49951423	A	ADD	77	1.458	0.8604	0.3896
12	rs461872	49951423	A	COV1	77	0.6136	-0.797	0.4255
12	rs461872	49951423	A	COV2	77	0.3633	-1.853	0.06394
12	rs461872	49951423	A	COV3	77	1.029	0.04183	0.9666
12	rs461872	49951423	A	COV4	77	1.896	0.773	0.4395

Table 12. (continued)

12	rs461872	49951423	A	COV5	77	0.5684	-1.811	0.07015
12	rs461872	49951423	A	COV6	77	1.723	1.683	0.0923
12	rs461872	49951423	A	COV7	77	1.538	1.01	0.3127
12	rs461872	49951423	A	COV8	77	5.635	2.303	0.02125
12	rs461872	49951423	A	COV9	77	2.078	1.214	0.2247
12	rs461872	49951423	A	COV10	77	0.8481	-0.3331	0.739
12	rs461872	49951423	A	COV11	77	0.4207	-1.036	0.3001
12	rs461872	49951423	A	COV12	77	0.3938	-1.335	0.1817
12	rs461872	49951423	A	COV13	77	0.5591	-1.54	0.1235
12	rs461872	49951423	A	COV14	77	1.344	0.7183	0.4726
12	rs467323	49955982	A	ADD	157	0.2599	-2.424	0.01534
12	rs467323	49955982	A	COV1	157	0.7347	-0.8459	0.3976
12	rs467323	49955982	A	COV2	157	0.9434	-0.2827	0.7774
12	rs467323	49955982	A	COV3	157	0.8768	-0.4216	0.6733
12	rs467323	49955982	A	COV4	157	0.9943	-0.01589	0.9873
12	rs467323	49955982	A	COV5	157	0.7114	-1.897	0.05785
12	rs467323	49955982	A	COV6	157	0.9224	-0.5101	0.61
12	rs467323	49955982	A	COV7	157	1.117	0.625	0.5319
12	rs467323	49955982	A	COV8	157	1.278	1.079	0.2808
12	rs467323	49955982	A	COV9	157	0.9624	-0.1609	0.8722
12	rs467323	49955982	A	COV10	157	1.343	1.328	0.184
12	rs467323	49955982	A	COV11	157	1.107	0.2536	0.7998
12	rs467323	49955982	A	COV12	157	1.177	0.5124	0.6084
12	rs467323	49955982	A	COV13	157	0.9802	-0.08905	0.929
12	rs467323	49955982	A	COV14	157	1.046	0.2138	0.8307
12	rs2878771	49958610	C	ADD	360	0.9896	-0.05079	0.9595
12	rs2878771	49958610	C	COV1	360	0.8749	-0.579	0.5626
12	rs2878771	49958610	C	COV2	360	1.078	0.5471	0.5843
12	rs2878771	49958610	C	COV3	360	0.8253	-0.9604	0.3369
12	rs2878771	49958610	C	COV4	360	0.8614	-0.6083	0.543
12	rs2878771	49958610	C	COV5	360	0.9394	-0.5872	0.5571
12	rs2878771	49958610	C	COV6	360	1.101	0.9421	0.3461
12	rs2878771	49958610	C	COV7	360	0.9636	-0.3274	0.7434
12	rs2878771	49958610	C	COV8	360	1.28	1.634	0.1022
12	rs2878771	49958610	C	COV9	360	1.317	1.822	0.0685
12	rs2878771	49958610	C	COV10	360	0.9799	-0.15	0.8807
12	rs2878771	49958610	C	COV11	360	1.149	0.5291	0.5967
12	rs2878771	49958610	C	COV12	360	0.9644	-0.1893	0.8499
12	rs2878771	49958610	C	COV13	360	0.8896	-0.832	0.4054
12	rs2878771	49958610	C	COV14	360	1.113	0.8049	0.4209
12	rs3736309	49964271	G	ADD	293	1.257	0.981	0.3266
12	rs3736309	49964271	G	COV1	293	0.8595	-0.5885	0.5562
12	rs3736309	49964271	G	COV2	293	1.054	0.3512	0.7255
12	rs3736309	49964271	G	COV3	293	0.8137	-0.9296	0.3526
12	rs3736309	49964271	G	COV4	293	1.029	0.105	0.9163
12	rs3736309	49964271	G	COV5	293	0.8734	-1.155	0.2481
12	rs3736309	49964271	G	COV6	293	1.097	0.8362	0.4031
12	rs3736309	49964271	G	COV7	293	0.8701	-1.127	0.2595
12	rs3736309	49964271	G	COV8	293	1.343	1.801	0.07174
12	rs3736309	49964271	G	COV9	293	1.423	2.008	0.04469
12	rs3736309	49964271	G	COV10	293	0.9612	-0.2613	0.7939
12	rs3736309	49964271	G	COV11	293	1.193	0.5788	0.5627

Table 12. (continued)

12	rs3736309	49964271	G	COV12	293	1.066	0.2938	0.7689
12	rs3736309	49964271	G	COV13	293	0.8714	-0.8885	0.3743
12	rs3736309	49964271	G	COV14	293	1.134	0.8444	0.3985
12	rs296763	49969231	C	ADD	353	1.064	0.3137	0.7537
12	rs296763	49969231	C	COV1	353	0.8266	-0.8297	0.4067
12	rs296763	49969231	C	COV2	353	1.057	0.408	0.6833
12	rs296763	49969231	C	COV3	353	0.8663	-0.7223	0.4701
12	rs296763	49969231	C	COV4	353	0.9122	-0.3822	0.7023
12	rs296763	49969231	C	COV5	353	0.9433	-0.5537	0.5798
12	rs296763	49969231	C	COV6	353	1.106	0.9838	0.3252
12	rs296763	49969231	C	COV7	353	0.9689	-0.2832	0.7771
12	rs296763	49969231	C	COV8	353	1.227	1.385	0.166
12	rs296763	49969231	C	COV9	353	1.3	1.711	0.0871
12	rs296763	49969231	C	COV10	353	0.9994	-0.00453	0.9964
12	rs296763	49969231	C	COV11	353	1.071	0.2696	0.7874
12	rs296763	49969231	C	COV12	353	1.056	0.2948	0.7681
12	rs296763	49969231	C	COV13	353	0.8313	-1.31	0.1901
12	rs296763	49969231	C	COV14	353	1.058	0.4228	0.6725
12	rs1996315	49970924	G	ADD	363	1.178	1.04	0.2983
12	rs1996315	49970924	G	COV1	363	0.8405	-0.7596	0.4475
12	rs1996315	49970924	G	COV2	363	1.057	0.4172	0.6765
12	rs1996315	49970924	G	COV3	363	0.8719	-0.6893	0.4906
12	rs1996315	49970924	G	COV4	363	0.8992	-0.4413	0.659
12	rs1996315	49970924	G	COV5	363	0.9245	-0.7424	0.4578
12	rs1996315	49970924	G	COV6	363	1.103	0.9622	0.3359
12	rs1996315	49970924	G	COV7	363	0.9766	-0.2122	0.832
12	rs1996315	49970924	G	COV8	363	1.24	1.468	0.1421
12	rs1996315	49970924	G	COV9	363	1.312	1.774	0.07611
12	rs1996315	49970924	G	COV10	363	1.001	0.008633	0.9931
12	rs1996315	49970924	G	COV11	363	1.016	0.06254	0.9501
12	rs1996315	49970924	G	COV12	363	1.018	0.09659	0.923
12	rs1996315	49970924	G	COV13	363	0.8693	-1.009	0.3131
12	rs1996315	49970924	G	COV14	363	1.099	0.7042	0.4813
14	rs1997532	21729203	C	ADD	336	0.6646	-2.251	0.02439
14	rs1997532	21729203	C	COV1	336	0.8979	-0.456	0.6484
14	rs1997532	21729203	C	COV2	336	0.987	-0.09331	0.9257
14	rs1997532	21729203	C	COV3	336	0.8902	-0.5787	0.5628
14	rs1997532	21729203	C	COV4	336	0.9712	-0.1169	0.9069
14	rs1997532	21729203	C	COV5	336	0.9153	-0.8221	0.411
14	rs1997532	21729203	C	COV6	336	1.084	0.777	0.4371
14	rs1997532	21729203	C	COV7	336	0.954	-0.4006	0.6887
14	rs1997532	21729203	C	COV8	336	1.203	1.252	0.2106
14	rs1997532	21729203	C	COV9	336	1.373	2.011	0.0443
14	rs1997532	21729203	C	COV10	336	1.001	0.004907	0.9961
14	rs1997532	21729203	C	COV11	336	1.104	0.379	0.7047
14	rs1997532	21729203	C	COV12	336	0.9951	-0.02604	0.9792
14	rs1997532	21729203	C	COV13	336	0.8318	-1.298	0.1943
14	rs1997532	21729203	C	COV14	336	1.129	0.898	0.3692
14	rs1997533	21729284	C	ADD	260	0.7163	-1.658	0.09725
14	rs1997533	21729284	C	COV1	260	0.6758	-1.432	0.1522
14	rs1997533	21729284	C	COV2	260	1.033	0.2129	0.8314
14	rs1997533	21729284	C	COV3	260	0.9473	-0.2336	0.8153

Table 12. (continued)

14	rs1997533	21729284	C	COV4	260	0.6606	-1.406	0.1597
14	rs1997533	21729284	C	COV5	260	1.038	0.2966	0.7668
14	rs1997533	21729284	C	COV6	260	0.9684	-0.2794	0.78
14	rs1997533	21729284	C	COV7	260	1.046	0.3468	0.7287
14	rs1997533	21729284	C	COV8	260	1.179	0.9124	0.3616
14	rs1997533	21729284	C	COV9	260	1.149	0.7645	0.4446
14	rs1997533	21729284	C	COV10	260	1.15	0.8839	0.3768
14	rs1997533	21729284	C	COV11	260	1.187	0.5595	0.5758
14	rs1997533	21729284	C	COV12	260	0.9377	-0.3138	0.7536
14	rs1997533	21729284	C	COV13	260	0.9352	-0.4142	0.6787
14	rs1997533	21729284	C	COV14	260	1.08	0.4929	0.6221
14	rs7150049	21733607	G	ADD	323	0.8223	-1.224	0.2208
14	rs7150049	21733607	G	COV1	323	0.7836	-1.015	0.3099
14	rs7150049	21733607	G	COV2	323	1.153	1.01	0.3123
14	rs7150049	21733607	G	COV3	323	0.9263	-0.3729	0.7092
14	rs7150049	21733607	G	COV4	323	0.8858	-0.477	0.6334
14	rs7150049	21733607	G	COV5	323	0.9256	-0.7037	0.4816
14	rs7150049	21733607	G	COV6	323	0.9871	-0.1238	0.9015
14	rs7150049	21733607	G	COV7	323	1.02	0.1631	0.8704
14	rs7150049	21733607	G	COV8	323	1.229	1.362	0.1731
14	rs7150049	21733607	G	COV9	323	1.42	2.166	0.03031
14	rs7150049	21733607	G	COV10	323	0.9379	-0.4631	0.6433
14	rs7150049	21733607	G	COV11	323	1.018	0.06638	0.9471
14	rs7150049	21733607	G	COV12	323	0.9721	-0.1488	0.8817
14	rs7150049	21733607	G	COV13	323	0.8402	-1.159	0.2464
14	rs7150049	21733607	G	COV14	323	1.03	0.2117	0.8324
14	rs8011979	21733619	T	ADD	300	0.5686	-2.819	0.004812
14	rs8011979	21733619	T	COV1	300	0.6569	-1.626	0.104
14	rs8011979	21733619	T	COV2	300	1.049	0.3208	0.7484
14	rs8011979	21733619	T	COV3	300	0.9341	-0.3083	0.7579
14	rs8011979	21733619	T	COV4	300	0.8575	-0.5709	0.568
14	rs8011979	21733619	T	COV5	300	0.9201	-0.7243	0.4689
14	rs8011979	21733619	T	COV6	300	0.9335	-0.6141	0.5392
14	rs8011979	21733619	T	COV7	300	0.9772	-0.1854	0.8529
14	rs8011979	21733619	T	COV8	300	1.256	1.313	0.189
14	rs8011979	21733619	T	COV9	300	1.535	2.413	0.01584
14	rs8011979	21733619	T	COV10	300	1.057	0.3674	0.7134
14	rs8011979	21733619	T	COV11	300	1.145	0.4384	0.6611
14	rs8011979	21733619	T	COV12	300	0.9825	-0.08723	0.9305
14	rs8011979	21733619	T	COV13	300	0.8032	-1.418	0.1561
14	rs8011979	21733619	T	COV14	300	1.045	0.3012	0.7632
14	rs4903399	76308859	T	ADD	338	1.131	0.5983	0.5497
14	rs4903399	76308859	T	COV1	338	0.8149	-0.866	0.3865
14	rs4903399	76308859	T	COV2	338	1.068	0.4687	0.6393
14	rs4903399	76308859	T	COV3	338	0.9621	-0.1877	0.8511
14	rs4903399	76308859	T	COV4	338	0.8831	-0.4858	0.6271
14	rs4903399	76308859	T	COV5	338	0.9509	-0.4652	0.6418
14	rs4903399	76308859	T	COV6	338	1.063	0.5974	0.5502
14	rs4903399	76308859	T	COV7	338	0.9908	-0.07964	0.9365
14	rs4903399	76308859	T	COV8	338	1.254	1.476	0.1401
14	rs4903399	76308859	T	COV9	338	1.29	1.649	0.09918
14	rs4903399	76308859	T	COV10	338	0.9927	-0.05345	0.9574

Table 12. (continued)

14	rs4903399	76308859	T	COV11	338	1.045	0.1703	0.8648
14	rs4903399	76308859	T	COV12	338	0.9928	-0.03892	0.969
14	rs4903399	76308859	T	COV13	338	0.866	-1.017	0.3091
14	rs4903399	76308859	T	COV14	338	1.026	0.1872	0.8515
14	rs6574293	76404257	A	ADD	316	1.029	0.1027	0.9182
14	rs6574293	76404257	A	COV1	316	0.9432	-0.2391	0.811
14	rs6574293	76404257	A	COV2	316	1.127	0.8446	0.3983
14	rs6574293	76404257	A	COV3	316	0.9058	-0.4721	0.6368
14	rs6574293	76404257	A	COV4	316	0.9794	-0.08099	0.9355
14	rs6574293	76404257	A	COV5	316	0.8941	-0.9902	0.3221
14	rs6574293	76404257	A	COV6	316	1.012	0.1154	0.9081
14	rs6574293	76404257	A	COV7	316	1.007	0.06102	0.9513
14	rs6574293	76404257	A	COV8	316	1.194	1.134	0.2566
14	rs6574293	76404257	A	COV9	316	1.333	1.74	0.08181
14	rs6574293	76404257	A	COV10	316	0.9901	-0.06731	0.9463
14	rs6574293	76404257	A	COV11	316	1.037	0.1357	0.892
14	rs6574293	76404257	A	COV12	316	0.8957	-0.5864	0.5576
14	rs6574293	76404257	A	COV13	316	0.8838	-0.8051	0.4208
14	rs6574293	76404257	A	COV14	316	1.059	0.4043	0.686
14	rs10132091	76404475	C	ADD	329	0.9012	-0.6229	0.5334
14	rs10132091	76404475	C	COV1	329	0.7401	-1.234	0.2174
14	rs10132091	76404475	C	COV2	329	1.006	0.03992	0.9682
14	rs10132091	76404475	C	COV3	329	0.8481	-0.7877	0.4309
14	rs10132091	76404475	C	COV4	329	0.9288	-0.2856	0.7752
14	rs10132091	76404475	C	COV5	329	0.9504	-0.4555	0.6488
14	rs10132091	76404475	C	COV6	329	1.066	0.6025	0.5469
14	rs10132091	76404475	C	COV7	329	1.046	0.3779	0.7055
14	rs10132091	76404475	C	COV8	329	1.264	1.502	0.1331
14	rs10132091	76404475	C	COV9	329	1.411	2.105	0.03529
14	rs10132091	76404475	C	COV10	329	0.9613	-0.2734	0.7845
14	rs10132091	76404475	C	COV11	329	1.113	0.3896	0.6968
14	rs10132091	76404475	C	COV12	329	0.9714	-0.1498	0.8809
14	rs10132091	76404475	C	COV13	329	0.7614	-1.849	0.06453
14	rs10132091	76404475	C	COV14	329	1.074	0.5155	0.6062
14	rs1077430	76431334	A	ADD	291	1.009	0.04576	0.9635
14	rs1077430	76431334	A	COV1	291	0.7903	-0.9182	0.3585
14	rs1077430	76431334	A	COV2	291	1.017	0.1127	0.9102
14	rs1077430	76431334	A	COV3	291	0.8713	-0.6256	0.5316
14	rs1077430	76431334	A	COV4	291	1.025	0.09063	0.9278
14	rs1077430	76431334	A	COV5	291	0.9699	-0.2588	0.7958
14	rs1077430	76431334	A	COV6	291	0.965	-0.3138	0.7537
14	rs1077430	76431334	A	COV7	291	1.039	0.3016	0.7629
14	rs1077430	76431334	A	COV8	291	1.289	1.568	0.1168
14	rs1077430	76431334	A	COV9	291	1.404	1.966	0.0493
14	rs1077430	76431334	A	COV10	291	0.8834	-0.7954	0.4264
14	rs1077430	76431334	A	COV11	291	1.316	0.92	0.3576
14	rs1077430	76431334	A	COV12	291	0.7909	-1.155	0.2481
14	rs1077430	76431334	A	COV13	291	0.8876	-0.7234	0.4694
14	rs1077430	76431334	A	COV14	291	1.001	0.006858	0.9945
14	rs745011	76450932	C	ADD	318	1.19	1.077	0.2815
14	rs745011	76450932	C	COV1	318	0.7997	-0.9166	0.3594
14	rs745011	76450932	C	COV2	318	1.077	0.5034	0.6146

Table 12. (continued)

14	rs745011	76450932	C	COV3	318	0.8541	-0.7399	0.4594
14	rs745011	76450932	C	COV4	318	1.017	0.06286	0.9499
14	rs745011	76450932	C	COV5	318	0.8626	-1.314	0.1888
14	rs745011	76450932	C	COV6	318	1.081	0.7137	0.4754
14	rs745011	76450932	C	COV7	318	0.9623	-0.3105	0.7562
14	rs745011	76450932	C	COV8	318	1.3	1.643	0.1005
14	rs745011	76450932	C	COV9	318	1.323	1.722	0.08499
14	rs745011	76450932	C	COV10	318	1.018	0.121	0.9037
14	rs745011	76450932	C	COV11	318	1.046	0.1697	0.8652
14	rs745011	76450932	C	COV12	318	1.03	0.1523	0.8789
14	rs745011	76450932	C	COV13	318	0.81	-1.399	0.1618
14	rs745011	76450932	C	COV14	318	1.092	0.6238	0.5327
14	rs1676303	76525821	C	ADD	346	0.9586	-0.1627	0.8708
14	rs1676303	76525821	C	COV1	346	0.7293	-1.332	0.1827
14	rs1676303	76525821	C	COV2	346	1.057	0.3911	0.6957
14	rs1676303	76525821	C	COV3	346	0.9272	-0.3721	0.7098
14	rs1676303	76525821	C	COV4	346	0.903	-0.405	0.6854
14	rs1676303	76525821	C	COV5	346	0.916	-0.8138	0.4158
14	rs1676303	76525821	C	COV6	346	1.114	1.028	0.3038
14	rs1676303	76525821	C	COV7	346	0.9592	-0.3603	0.7186
14	rs1676303	76525821	C	COV8	346	1.192	1.184	0.2363
14	rs1676303	76525821	C	COV9	346	1.343	1.865	0.06225
14	rs1676303	76525821	C	COV10	346	0.9245	-0.5537	0.5798
14	rs1676303	76525821	C	COV11	346	1.116	0.4111	0.681
14	rs1676303	76525821	C	COV12	346	0.9861	-0.07568	0.9397
14	rs1676303	76525821	C	COV13	346	0.8749	-0.9458	0.3442
14	rs1676303	76525821	C	COV14	346	1.039	0.2821	0.7779
14	rs2860216	76539665	C	ADD	308	0.7173	-1.801	0.07164
14	rs2860216	76539665	C	COV1	308	0.8286	-0.7567	0.4492
14	rs2860216	76539665	C	COV2	308	1.035	0.2291	0.8188
14	rs2860216	76539665	C	COV3	308	1.022	0.1015	0.9192
14	rs2860216	76539665	C	COV4	308	0.9471	-0.2048	0.8378
14	rs2860216	76539665	C	COV5	308	0.8822	-1.106	0.2688
14	rs2860216	76539665	C	COV6	308	1.06	0.525	0.5996
14	rs2860216	76539665	C	COV7	308	0.9183	-0.6895	0.4905
14	rs2860216	76539665	C	COV8	308	1.125	0.7712	0.4406
14	rs2860216	76539665	C	COV9	308	1.262	1.421	0.1552
14	rs2860216	76539665	C	COV10	308	1.029	0.1944	0.8459
14	rs2860216	76539665	C	COV11	308	1.031	0.1171	0.9068
14	rs2860216	76539665	C	COV12	308	1.054	0.2784	0.7807
14	rs2860216	76539665	C	COV13	308	0.8235	-1.325	0.1851
14	rs2860216	76539665	C	COV14	308	1.077	0.5272	0.5981
17	rs2619112	4632090	A	ADD	336	0.9497	-0.2887	0.7728
17	rs2619112	4632090	A	COV1	336	0.8152	-0.8569	0.3915
17	rs2619112	4632090	A	COV2	336	1.138	0.9205	0.3573
17	rs2619112	4632090	A	COV3	336	0.9377	-0.3047	0.7606
17	rs2619112	4632090	A	COV4	336	0.8167	-0.7939	0.4273
17	rs2619112	4632090	A	COV5	336	0.959	-0.3775	0.7058
17	rs2619112	4632090	A	COV6	336	1.024	0.2233	0.8233
17	rs2619112	4632090	A	COV7	336	1.006	0.04894	0.961
17	rs2619112	4632090	A	COV8	336	1.209	1.252	0.2104
17	rs2619112	4632090	A	COV9	336	1.32	1.734	0.08297

Table 12. (continued)

17	rs2619112	4632090	A	COV10	336	1.039	0.271	0.7864
17	rs2619112	4632090	A	COV11	336	1.068	0.2451	0.8063
17	rs2619112	4632090	A	COV12	336	0.9278	-0.4002	0.689
17	rs2619112	4632090	A	COV13	336	0.87	-0.9653	0.3344
17	rs2619112	4632090	A	COV14	336	1.05	0.3501	0.7263
17	rs7217186	4636097	C	ADD	96	0.9918	-0.02266	0.9819
17	rs7217186	4636097	C	COV1	96	0.8175	-0.3712	0.7105
17	rs7217186	4636097	C	COV2	96	0.8218	-0.5083	0.6113
17	rs7217186	4636097	C	COV3	96	1.388	0.5809	0.5613
17	rs7217186	4636097	C	COV4	96	0.8857	-0.1839	0.8541
17	rs7217186	4636097	C	COV5	96	0.7908	-1.041	0.2979
17	rs7217186	4636097	C	COV6	96	1.183	0.6426	0.5205
17	rs7217186	4636097	C	COV7	96	2.283	2.056	0.03978
17	rs7217186	4636097	C	COV8	96	1.092	0.2136	0.8308
17	rs7217186	4636097	C	COV9	96	1.123	0.2692	0.7878
17	rs7217186	4636097	C	COV10	96	1.314	0.7286	0.4663
17	rs7217186	4636097	C	COV11	96	0.6432	-0.6599	0.5093
17	rs7217186	4636097	C	COV12	96	0.6045	-1.135	0.2564
17	rs7217186	4636097	C	COV13	96	0.739	-1.004	0.3155
17	rs7217186	4636097	C	COV14	96	0.7698	-0.8179	0.4134
19	rs2235091	50907215	C	ADD	333	0.9335	-0.3845	0.7006
19	rs2235091	50907215	C	COV1	333	0.8355	-0.7592	0.4477
19	rs2235091	50907215	C	COV2	333	1.047	0.3312	0.7405
19	rs2235091	50907215	C	COV3	333	0.8579	-0.7329	0.4636
19	rs2235091	50907215	C	COV4	333	0.9987	-0.004963	0.996
19	rs2235091	50907215	C	COV5	333	0.9091	-0.8644	0.3873
19	rs2235091	50907215	C	COV6	333	1.049	0.4619	0.6442
19	rs2235091	50907215	C	COV7	333	0.948	-0.4623	0.6439
19	rs2235091	50907215	C	COV8	333	1.217	1.277	0.2014
19	rs2235091	50907215	C	COV9	333	1.302	1.679	0.09317
19	rs2235091	50907215	C	COV10	333	1.016	0.1138	0.9094
19	rs2235091	50907215	C	COV11	333	1.251	0.827	0.4083
19	rs2235091	50907215	C	COV12	333	1.005	0.02769	0.9779
19	rs2235091	50907215	C	COV13	333	0.8551	-1.097	0.2728
19	rs2235091	50907215	C	COV14	333	0.9978	-0.01579	0.9874
19	rs198968	50910072	A	ADD	306	1.227	0.9983	0.3182
19	rs198968	50910072	A	COV1	306	0.7772	-1.016	0.3097
19	rs198968	50910072	A	COV2	306	1.091	0.5974	0.5503
19	rs198968	50910072	A	COV3	306	0.9104	-0.4414	0.6589
19	rs198968	50910072	A	COV4	306	0.6803	-1.434	0.1516
19	rs198968	50910072	A	COV5	306	0.984	-0.141	0.8879
19	rs198968	50910072	A	COV6	306	1.065	0.589	0.5559
19	rs198968	50910072	A	COV7	306	0.9671	-0.2761	0.7824
19	rs198968	50910072	A	COV8	306	1.289	1.521	0.1283
19	rs198968	50910072	A	COV9	306	1.296	1.546	0.1222
19	rs198968	50910072	A	COV10	306	1.067	0.4536	0.6501
19	rs198968	50910072	A	COV11	306	0.8925	-0.4012	0.6883
19	rs198968	50910072	A	COV12	306	1.108	0.5065	0.6125
19	rs198968	50910072	A	COV13	306	0.8986	-0.7202	0.4714
19	rs198968	50910072	A	COV14	306	1.125	0.8269	0.4083
22	rs5997096	12345610	T	ADD	278	1.224	0.9897	0.3223
22	rs5997096	12345610	T	COV1	278	0.9708	-0.1088	0.9134

Table 12. (continued)

22	rs5997096	12345610	T	COV2	278	1.097	0.5887	0.5561
22	rs5997096	12345610	T	COV3	278	1.15	0.5582	0.5767
22	rs5997096	12345610	T	COV4	278	0.6869	-1.187	0.2353
22	rs5997096	12345610	T	COV5	278	1.042	0.3175	0.7509
22	rs5997096	12345610	T	COV6	278	1.167	1.252	0.2106
22	rs5997096	12345610	T	COV7	278	0.8963	-0.7862	0.4318
22	rs5997096	12345610	T	COV8	278	1.376	1.689	0.09113
22	rs5997096	12345610	T	COV9	278	1.386	1.728	0.084
22	rs5997096	12345610	T	COV10	278	0.8964	-0.7082	0.4788
22	rs5997096	12345610	T	COV11	278	1.523	1.263	0.2064
22	rs5997096	12345610	T	COV12	278	0.7301	-1.398	0.1622
22	rs5997096	12345610	T	COV13	278	0.7345	-1.899	0.05756
22	rs5997096	12345610	T	COV14	278	0.9437	-0.3602	0.7187
23	rs946252	123456	T	ADD	290	NA	NA	NA
23	rs946252	123456	T	SEX	290	NA	NA	NA
23	rs946252	123456	T	COV1	290	NA	NA	NA
23	rs946252	123456	T	COV2	290	NA	NA	NA
23	rs946252	123456	T	COV3	290	NA	NA	NA
23	rs946252	123456	T	COV4	290	NA	NA	NA
23	rs946252	123456	T	COV5	290	NA	NA	NA
23	rs946252	123456	T	COV6	290	NA	NA	NA
23	rs946252	123456	T	COV7	290	NA	NA	NA
23	rs946252	123456	T	COV8	290	NA	NA	NA
23	rs946252	123456	T	COV9	290	NA	NA	NA
23	rs946252	123456	T	COV10	290	NA	NA	NA
23	rs946252	123456	T	COV11	290	NA	NA	NA
23	rs946252	123456	T	COV12	290	NA	NA	NA
23	rs946252	123456	T	COV13	290	NA	NA	NA
23	rs946252	123456	T	COV14	290	NA	NA	NA
Spike vs. No Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	246	0.9169	-0.332	0.7399
1	rs7526319	1234567	T	COV1	246	0.955	-0.1641	0.8697
1	rs7526319	1234567	T	COV2	246	1.065	0.3855	0.6998
1	rs7526319	1234567	T	COV3	246	0.8182	-0.8334	0.4046
1	rs7526319	1234567	T	COV4	246	0.8526	-0.5689	0.5694
1	rs7526319	1234567	T	COV5	246	1.346	2.356	0.01848
1	rs7526319	1234567	T	COV6	246	1.274	1.844	0.06523
1	rs7526319	1234567	T	COV7	246	1.078	0.474	0.6355
1	rs7526319	1234567	T	COV8	246	0.8165	-1.091	0.2752
1	rs7526319	1234567	T	COV9	246	1.506	2.302	0.02136
1	rs7526319	1234567	T	COV10	246	1.026	0.1751	0.861
1	rs7526319	1234567	T	COV11	246	0.5138	-1.558	0.1192
1	rs7526319	1234567	T	COV12	246	0.9308	-0.2652	0.7908
1	rs7526319	1234567	T	COV13	246	0.9008	-0.6724	0.5014
1	rs7526319	1234567	T	COV14	246	0.9557	-0.2788	0.7804
1	rs9701796	18859635	G	ADD	312	0.7323	-1.541	0.1233
1	rs9701796	18859635	G	COV1	312	1.005	0.02213	0.9823
1	rs9701796	18859635	G	COV2	312	1.068	0.4579	0.647
1	rs9701796	18859635	G	COV3	312	0.9378	-0.3155	0.7524
1	rs9701796	18859635	G	COV4	312	0.986	-0.05832	0.9535

Table 12. (continued)

1	rs9701796	18859635	G	COV5	312	1.152	1.306	0.1914
1	rs9701796	18859635	G	COV6	312	1.254	2.02	0.04341
1	rs9701796	18859635	G	COV7	312	0.952	-0.396	0.6921
1	rs9701796	18859635	G	COV8	312	0.9697	-0.1892	0.8499
1	rs9701796	18859635	G	COV9	312	1.285	1.677	0.09362
1	rs9701796	18859635	G	COV10	312	0.9161	-0.6497	0.5159
1	rs9701796	18859635	G	COV11	312	0.6312	-1.454	0.146
1	rs9701796	18859635	G	COV12	312	0.886	-0.5633	0.5732
1	rs9701796	18859635	G	COV13	312	0.9388	-0.4902	0.624
1	rs9701796	18859635	G	COV14	312	0.9932	-0.04867	0.9612
4	rs4694075	1234568	T	ADD	255	1.068	0.3391	0.7345
4	rs4694075	1234568	T	COV1	255	0.8836	-0.4515	0.6516
4	rs4694075	1234568	T	COV2	255	1.009	0.05483	0.9563
4	rs4694075	1234568	T	COV3	255	0.9048	-0.4242	0.6714
4	rs4694075	1234568	T	COV4	255	0.8853	-0.4275	0.669
4	rs4694075	1234568	T	COV5	255	1.206	1.537	0.1243
4	rs4694075	1234568	T	COV6	255	1.237	1.653	0.0984
4	rs4694075	1234568	T	COV7	255	1.096	0.5769	0.564
4	rs4694075	1234568	T	COV8	255	0.8623	-0.7838	0.4332
4	rs4694075	1234568	T	COV9	255	1.574	2.605	0.009181
4	rs4694075	1234568	T	COV10	255	0.952	-0.3383	0.7352
4	rs4694075	1234568	T	COV11	255	0.5227	-1.503	0.1328
4	rs4694075	1234568	T	COV12	255	0.9453	-0.2125	0.8317
4	rs4694075	1234568	T	COV13	255	0.8831	-0.8263	0.4087
4	rs4694075	1234568	T	COV14	255	0.9065	-0.6196	0.5355
4	rs12640848	1234569	A	ADD	250	0.8239	-1.109	0.2676
4	rs12640848	1234569	A	COV1	250	0.9316	-0.2552	0.7985
4	rs12640848	1234569	A	COV2	250	1.128	0.7613	0.4465
4	rs12640848	1234569	A	COV3	250	0.9367	-0.2787	0.7804
4	rs12640848	1234569	A	COV4	250	0.9356	-0.2391	0.811
4	rs12640848	1234569	A	COV5	250	1.219	1.627	0.1038
4	rs12640848	1234569	A	COV6	250	1.189	1.33	0.1837
4	rs12640848	1234569	A	COV7	250	1.099	0.613	0.5399
4	rs12640848	1234569	A	COV8	250	0.8506	-0.899	0.3687
4	rs12640848	1234569	A	COV9	250	1.356	1.828	0.06754
4	rs12640848	1234569	A	COV10	250	1.014	0.09179	0.9269
4	rs12640848	1234569	A	COV11	250	0.5725	-1.319	0.1872
4	rs12640848	1234569	A	COV12	250	0.8293	-0.729	0.466
4	rs12640848	1234569	A	COV13	250	0.9406	-0.4062	0.6846
4	rs12640848	1234569	A	COV14	250	0.9383	-0.4029	0.687
5	rs375129	4952722	T	ADD	268	1.294	1.449	0.1474
5	rs375129	4952722	T	COV1	268	0.8934	-0.4183	0.6757
5	rs375129	4952722	T	COV2	268	1.104	0.6338	0.5262
5	rs375129	4952722	T	COV3	268	0.7549	-1.207	0.2276
5	rs375129	4952722	T	COV4	268	0.7669	-0.9748	0.3297
5	rs375129	4952722	T	COV5	268	1.236	1.78	0.07514
5	rs375129	4952722	T	COV6	268	1.232	1.733	0.08315
5	rs375129	4952722	T	COV7	268	1.022	0.1477	0.8826
5	rs375129	4952722	T	COV8	268	0.9958	-0.02286	0.9818
5	rs375129	4952722	T	COV9	268	1.39	2.028	0.04252
5	rs375129	4952722	T	COV10	268	0.9724	-0.1909	0.8486
5	rs375129	4952722	T	COV11	268	0.6946	-1.057	0.2907

Table 12. (continued)

5	rs375129	4952722	T	COV12	268	0.8059	-0.9521	0.3411
5	rs375129	4952722	T	COV13	268	0.8962	-0.8112	0.4172
5	rs375129	4952722	T	COV14	268	1.111	0.6857	0.4929
5	rs27565	60541764	A	ADD	190	0.9867	-0.05559	0.9557
5	rs27565	60541764	A	COV1	190	0.8479	-0.5045	0.6139
5	rs27565	60541764	A	COV2	190	0.9775	-0.1127	0.9102
5	rs27565	60541764	A	COV3	190	1.093	0.3161	0.752
5	rs27565	60541764	A	COV4	190	0.5712	-1.601	0.1094
5	rs27565	60541764	A	COV5	190	1.104	0.6802	0.4964
5	rs27565	60541764	A	COV6	190	1.365	2.147	0.03177
5	rs27565	60541764	A	COV7	190	1.061	0.3466	0.7289
5	rs27565	60541764	A	COV8	190	0.8596	-0.6994	0.4843
5	rs27565	60541764	A	COV9	190	1.702	2.547	0.01085
5	rs27565	60541764	A	COV10	190	0.8795	-0.7315	0.4645
5	rs27565	60541764	A	COV11	190	0.5166	-1.469	0.1419
5	rs27565	60541764	A	COV12	190	0.9826	-0.06437	0.9487
5	rs27565	60541764	A	COV13	190	0.9912	-0.05253	0.9581
5	rs27565	60541764	A	COV14	190	0.9945	-0.02908	0.9768
5	rs6862039	73503170	A	ADD	276	0.6194	-1.701	0.089
5	rs6862039	73503170	A	COV1	276	1.146	0.5182	0.6043
5	rs6862039	73503170	A	COV2	276	1.023	0.1491	0.8815
5	rs6862039	73503170	A	COV3	276	0.9805	-0.08884	0.9292
5	rs6862039	73503170	A	COV4	276	0.8915	-0.4314	0.6662
5	rs6862039	73503170	A	COV5	276	1.22	1.7	0.08919
5	rs6862039	73503170	A	COV6	276	1.333	2.356	0.01845
5	rs6862039	73503170	A	COV7	276	0.9755	-0.1812	0.8562
5	rs6862039	73503170	A	COV8	276	0.874	-0.7968	0.4255
5	rs6862039	73503170	A	COV9	276	1.265	1.478	0.1395
5	rs6862039	73503170	A	COV10	276	0.8463	-1.087	0.2773
5	rs6862039	73503170	A	COV11	276	0.7459	-0.7972	0.4253
5	rs6862039	73503170	A	COV12	276	0.7235	-1.358	0.1745
5	rs6862039	73503170	A	COV13	276	0.9849	-0.1132	0.9099
5	rs6862039	73503170	A	COV14	276	1.139	0.8402	0.4008
7	rs17159702	30919387	C	ADD	309	0.795	-1.349	0.1772
7	rs17159702	30919387	C	COV1	309	1.076	0.2996	0.7645
7	rs17159702	30919387	C	COV2	309	1.097	0.6301	0.5286
7	rs17159702	30919387	C	COV3	309	0.9445	-0.2647	0.7913
7	rs17159702	30919387	C	COV4	309	0.8741	-0.5394	0.5896
7	rs17159702	30919387	C	COV5	309	1.243	2.011	0.04435
7	rs17159702	30919387	C	COV6	309	1.301	2.24	0.0251
7	rs17159702	30919387	C	COV7	309	0.9799	-0.1613	0.8719
7	rs17159702	30919387	C	COV8	309	0.916	-0.5443	0.5862
7	rs17159702	30919387	C	COV9	309	1.172	1.084	0.2784
7	rs17159702	30919387	C	COV10	309	0.9632	-0.28	0.7795
7	rs17159702	30919387	C	COV11	309	0.6177	-1.405	0.1601
7	rs17159702	30919387	C	COV12	309	0.8692	-0.6456	0.5185
7	rs17159702	30919387	C	COV13	309	0.9753	-0.1867	0.8519
7	rs17159702	30919387	C	COV14	309	1.046	0.3172	0.7511
7	rs10246939	141972804	C	ADD	287	1.002	0.01311	0.9895
7	rs10246939	141972804	C	COV1	287	0.8212	-0.7767	0.4373
7	rs10246939	141972804	C	COV2	287	1.024	0.1593	0.8734
7	rs10246939	141972804	C	COV3	287	0.9368	-0.3066	0.7591

Table 12. (continued)

7	rs10246939	141972804	C	COV4	287	0.873	-0.5408	0.5887
7	rs10246939	141972804	C	COV5	287	1.106	0.8815	0.378
7	rs10246939	141972804	C	COV6	287	1.345	2.434	0.01494
7	rs10246939	141972804	C	COV7	287	0.9794	-0.1537	0.8779
7	rs10246939	141972804	C	COV8	287	0.8839	-0.7301	0.4653
7	rs10246939	141972804	C	COV9	287	1.404	2.161	0.03072
7	rs10246939	141972804	C	COV10	287	0.9222	-0.5763	0.5644
7	rs10246939	141972804	C	COV11	287	0.6557	-1.238	0.2159
7	rs10246939	141972804	C	COV12	287	0.9488	-0.2375	0.8122
7	rs10246939	141972804	C	COV13	287	0.9273	-0.5546	0.5792
7	rs10246939	141972804	C	COV14	287	1.081	0.5296	0.5964
7	rs1726866	141972905	T	ADD	295	1.27	1.272	0.2033
7	rs1726866	141972905	T	COV1	295	1.012	0.04697	0.9625
7	rs1726866	141972905	T	COV2	295	1.03	0.196	0.8446
7	rs1726866	141972905	T	COV3	295	1.022	0.1039	0.9173
7	rs1726866	141972905	T	COV4	295	0.8865	-0.4761	0.634
7	rs1726866	141972905	T	COV5	295	1.088	0.7621	0.446
7	rs1726866	141972905	T	COV6	295	1.249	1.946	0.05163
7	rs1726866	141972905	T	COV7	295	0.9221	-0.6231	0.5332
7	rs1726866	141972905	T	COV8	295	1.084	0.4655	0.6416
7	rs1726866	141972905	T	COV9	295	1.283	1.642	0.1006
7	rs1726866	141972905	T	COV10	295	0.9001	-0.7567	0.4492
7	rs1726866	141972905	T	COV11	295	0.5925	-1.58	0.1141
7	rs1726866	141972905	T	COV12	295	0.9164	-0.3942	0.6935
7	rs1726866	141972905	T	COV13	295	0.9312	-0.5425	0.5875
7	rs1726866	141972905	T	COV14	295	1.013	0.08636	0.9312
7	rs713598	141973545	G	ADD	281	1.224	0.983	0.3256
7	rs713598	141973545	G	COV1	281	0.9218	-0.3151	0.7527
7	rs713598	141973545	G	COV2	281	0.9957	-0.02868	0.9771
7	rs713598	141973545	G	COV3	281	0.9954	-0.02122	0.9831
7	rs713598	141973545	G	COV4	281	0.9762	-0.09326	0.9257
7	rs713598	141973545	G	COV5	281	1.19	1.481	0.1386
7	rs713598	141973545	G	COV6	281	1.192	1.469	0.142
7	rs713598	141973545	G	COV7	281	1.024	0.172	0.8634
7	rs713598	141973545	G	COV8	281	0.8557	-0.9213	0.3569
7	rs713598	141973545	G	COV9	281	1.275	1.52	0.1284
7	rs713598	141973545	G	COV10	281	0.9132	-0.6338	0.5262
7	rs713598	141973545	G	COV11	281	0.7779	-0.7532	0.4513
7	rs713598	141973545	G	COV12	281	0.8081	-0.8974	0.3695
7	rs713598	141973545	G	COV13	281	0.9303	-0.5249	0.5996
7	rs713598	141973545	G	COV14	281	0.9365	-0.4376	0.6617
8	rs11362	6877877	G	ADD	247	0.9926	-0.03656	0.9708
8	rs11362	6877877	G	COV1	247	1.141	0.4771	0.6333
8	rs11362	6877877	G	COV2	247	0.9985	-0.009676	0.9923
8	rs11362	6877877	G	COV3	247	0.846	-0.7491	0.4538
8	rs11362	6877877	G	COV4	247	1.235	0.7729	0.4396
8	rs11362	6877877	G	COV5	247	1.095	0.7598	0.4474
8	rs11362	6877877	G	COV6	247	1.228	1.668	0.09522
8	rs11362	6877877	G	COV7	247	1.038	0.267	0.7895
8	rs11362	6877877	G	COV8	247	0.8201	-1.116	0.2646
8	rs11362	6877877	G	COV9	247	1.248	1.272	0.2032
8	rs11362	6877877	G	COV10	247	1.079	0.4993	0.6176

Table 12. (continued)

8	rs11362	6877877	G	COV11	247	0.6319	-1.241	0.2146
8	rs11362	6877877	G	COV12	247	0.8925	-0.4584	0.6466
8	rs11362	6877877	G	COV13	247	1.023	0.1517	0.8794
8	rs11362	6877877	G	COV14	247	0.9236	-0.5126	0.6082
8	rs1800972	6877901	C	ADD	153	1.008	0.02325	0.9815
8	rs1800972	6877901	C	COV1	153	0.9286	-0.2053	0.8374
8	rs1800972	6877901	C	COV2	153	0.8493	-0.7357	0.4619
8	rs1800972	6877901	C	COV3	153	1.04	0.1331	0.8941
8	rs1800972	6877901	C	COV4	153	0.7404	-0.7954	0.4264
8	rs1800972	6877901	C	COV5	153	1.118	0.7035	0.4817
8	rs1800972	6877901	C	COV6	153	1.541	2.558	0.01054
8	rs1800972	6877901	C	COV7	153	0.9252	-0.4117	0.6806
8	rs1800972	6877901	C	COV8	153	1.006	0.02313	0.9815
8	rs1800972	6877901	C	COV9	153	1.246	1.079	0.2806
8	rs1800972	6877901	C	COV10	153	0.9366	-0.3525	0.7245
8	rs1800972	6877901	C	COV11	153	0.7246	-0.6724	0.5013
8	rs1800972	6877901	C	COV12	153	1.089	0.2545	0.7991
8	rs1800972	6877901	C	COV13	153	0.8959	-0.5807	0.5614
8	rs1800972	6877901	C	COV14	153	0.9789	-0.09989	0.9204
12	rs3741559	49951193	A	ADD	60	1.066	0.1087	0.9134
12	rs3741559	49951193	A	COV1	60	0.3102	-1.632	0.1027
12	rs3741559	49951193	A	COV2	60	0.8367	-0.4845	0.628
12	rs3741559	49951193	A	COV3	60	0.711	-0.6029	0.5466
12	rs3741559	49951193	A	COV4	60	0.4922	-1.029	0.3035
12	rs3741559	49951193	A	COV5	60	0.7755	-0.806	0.4202
12	rs3741559	49951193	A	COV6	60	1.955	1.502	0.1331
12	rs3741559	49951193	A	COV7	60	1.609	1.337	0.1812
12	rs3741559	49951193	A	COV8	60	1.445	0.7863	0.4317
12	rs3741559	49951193	A	COV9	60	1.348	0.7677	0.4426
12	rs3741559	49951193	A	COV10	60	1.778	1.649	0.0991
12	rs3741559	49951193	A	COV11	60	0.0484	-2.444	0.01451
12	rs3741559	49951193	A	COV12	60	4.264	1.933	0.05327
12	rs3741559	49951193	A	COV13	60	0.7869	-0.5109	0.6094
12	rs3741559	49951193	A	COV14	60	1.68	1.134	0.2569
12	rs461872	49951423	A	ADD	77	1.29	0.6568	0.5113
12	rs461872	49951423	A	COV1	77	1.347	0.5047	0.6138
12	rs461872	49951423	A	COV2	77	1.598	1.265	0.2059
12	rs461872	49951423	A	COV3	77	1.566	0.8539	0.3932
12	rs461872	49951423	A	COV4	77	0.6664	-0.6602	0.5092
12	rs461872	49951423	A	COV5	77	1.261	0.8404	0.4007
12	rs461872	49951423	A	COV6	77	0.9664	-0.1278	0.8983
12	rs461872	49951423	A	COV7	77	1.146	0.4092	0.6824
12	rs461872	49951423	A	COV8	77	1.294	0.5529	0.5804
12	rs461872	49951423	A	COV9	77	2.136	1.723	0.08482
12	rs461872	49951423	A	COV10	77	0.8492	-0.464	0.6426
12	rs461872	49951423	A	COV11	77	1.603	0.4859	0.627
12	rs461872	49951423	A	COV12	77	0.3923	-1.692	0.09056
12	rs461872	49951423	A	COV13	77	0.6458	-1.489	0.1366
12	rs461872	49951423	A	COV14	77	0.6566	-1.152	0.2493
12	rs461872	49951423	A	ADD	66	1.859	1.339	0.1807
12	rs461872	49951423	A	COV1	66	1.505	0.6162	0.5378
12	rs461872	49951423	A	COV2	66	1.144	0.333	0.7392

Table 12. (continued)

12	rs461872	49951423	A	COV3	66	1.687	0.8851	0.3761
12	rs461872	49951423	A	COV4	66	0.7227	-0.5055	0.6132
12	rs461872	49951423	A	COV5	66	0.876	-0.4481	0.654
12	rs461872	49951423	A	COV6	66	1.159	0.4622	0.644
12	rs461872	49951423	A	COV7	66	1.477	0.9694	0.3324
12	rs461872	49951423	A	COV8	66	1.487	0.6069	0.5439
12	rs461872	49951423	A	COV9	66	1.479	0.7859	0.4319
12	rs461872	49951423	A	COV10	66	0.9517	-0.1042	0.917
12	rs461872	49951423	A	COV11	66	1.264	0.1749	0.8611
12	rs461872	49951423	A	COV12	66	0.2994	-1.715	0.08638
12	rs461872	49951423	A	COV13	66	0.8876	-0.3653	0.7149
12	rs461872	49951423	A	COV14	66	0.7514	-0.725	0.4685
12	rs467323	49955982	A	ADD	134	0.8812	-0.2843	0.7762
12	rs467323	49955982	A	COV1	134	1.161	0.3595	0.7192
12	rs467323	49955982	A	COV2	134	0.9055	-0.432	0.6657
12	rs467323	49955982	A	COV3	134	0.9298	-0.2104	0.8334
12	rs467323	49955982	A	COV4	134	2.611	2.373	0.01766
12	rs467323	49955982	A	COV5	134	1.299	1.495	0.1349
12	rs467323	49955982	A	COV6	134	1.131	0.6362	0.5247
12	rs467323	49955982	A	COV7	134	0.9125	-0.4626	0.6437
12	rs467323	49955982	A	COV8	134	0.8314	-0.7148	0.4747
12	rs467323	49955982	A	COV9	134	1.074	0.2911	0.771
12	rs467323	49955982	A	COV10	134	1.156	0.6257	0.5315
12	rs467323	49955982	A	COV11	134	0.419	-1.504	0.1326
12	rs467323	49955982	A	COV12	134	0.7611	-0.6648	0.5062
12	rs467323	49955982	A	COV13	134	0.8259	-0.8882	0.3744
12	rs467323	49955982	A	COV14	134	0.8732	-0.5853	0.5583
12	rs2878771	49958610	C	ADD	319	0.9331	-0.3531	0.724
12	rs2878771	49958610	C	COV1	319	1.052	0.2119	0.8322
12	rs2878771	49958610	C	COV2	319	1.064	0.435	0.6636
12	rs2878771	49958610	C	COV3	319	0.8955	-0.5398	0.5893
12	rs2878771	49958610	C	COV4	319	0.9848	-0.0631	0.9497
12	rs2878771	49958610	C	COV5	319	1.181	1.566	0.1173
12	rs2878771	49958610	C	COV6	319	1.303	2.334	0.01959
12	rs2878771	49958610	C	COV7	319	0.9887	-0.09102	0.9275
12	rs2878771	49958610	C	COV8	319	0.9478	-0.3343	0.7382
12	rs2878771	49958610	C	COV9	319	1.228	1.435	0.1512
12	rs2878771	49958610	C	COV10	319	0.9647	-0.2752	0.7832
12	rs2878771	49958610	C	COV11	319	0.6462	-1.382	0.167
12	rs2878771	49958610	C	COV12	319	0.8392	-0.8186	0.413
12	rs2878771	49958610	C	COV13	319	0.8905	-0.9054	0.3652
12	rs2878771	49958610	C	COV14	319	1.088	0.6101	0.5418
12	rs3736309	49964271	G	ADD	253	0.7551	-1.096	0.2729
12	rs3736309	49964271	G	COV1	253	1.079	0.2784	0.7807
12	rs3736309	49964271	G	COV2	253	1.206	1.1	0.2714
12	rs3736309	49964271	G	COV3	253	0.9392	-0.2775	0.7814
12	rs3736309	49964271	G	COV4	253	0.8135	-0.7282	0.4665
12	rs3736309	49964271	G	COV5	253	1.156	1.213	0.225
12	rs3736309	49964271	G	COV6	253	1.305	2.081	0.03743
12	rs3736309	49964271	G	COV7	253	0.8914	-0.7724	0.4399
12	rs3736309	49964271	G	COV8	253	0.9086	-0.5135	0.6076
12	rs3736309	49964271	G	COV9	253	1.444	2.128	0.03335

Table 12. (continued)

12	rs3736309	49964271	G	COV10	253	0.9492	-0.3484	0.7276
12	rs3736309	49964271	G	COV11	253	0.8632	-0.3741	0.7083
12	rs3736309	49964271	G	COV12	253	0.8647	-0.6045	0.5455
12	rs3736309	49964271	G	COV13	253	0.8261	-1.309	0.1906
12	rs3736309	49964271	G	COV14	253	1.091	0.5503	0.5821
12	rs296763	49969231	C	ADD	302	1.39	1.466	0.1426
12	rs296763	49969231	C	COV1	302	0.9649	-0.1438	0.8856
12	rs296763	49969231	C	COV2	302	1.069	0.4636	0.6429
12	rs296763	49969231	C	COV3	302	0.9423	-0.2862	0.7747
12	rs296763	49969231	C	COV4	302	0.9068	-0.3932	0.6942
12	rs296763	49969231	C	COV5	302	1.174	1.468	0.1422
12	rs296763	49969231	C	COV6	302	1.26	2.01	0.04441
12	rs296763	49969231	C	COV7	302	0.9991	-0.00725	0.9942
12	rs296763	49969231	C	COV8	302	0.9295	-0.4515	0.6516
12	rs296763	49969231	C	COV9	302	1.29	1.677	0.09349
12	rs296763	49969231	C	COV10	302	0.9574	-0.3281	0.7428
12	rs296763	49969231	C	COV11	302	0.5548	-1.712	0.08692
12	rs296763	49969231	C	COV12	302	0.9253	-0.3532	0.7239
12	rs296763	49969231	C	COV13	302	0.8954	-0.8438	0.3988
12	rs296763	49969231	C	COV14	302	1.013	0.09231	0.9265
12	rs1996315	49970924	G	ADD	319	1.388	1.936	0.05289
12	rs1996315	49970924	G	COV1	319	1.04	0.1634	0.8702
12	rs1996315	49970924	G	COV2	319	1.073	0.4985	0.6181
12	rs1996315	49970924	G	COV3	319	0.9829	-0.08418	0.9329
12	rs1996315	49970924	G	COV4	319	0.9737	-0.1103	0.9122
12	rs1996315	49970924	G	COV5	319	1.205	1.728	0.08392
12	rs1996315	49970924	G	COV6	319	1.263	2.081	0.03739
12	rs1996315	49970924	G	COV7	319	1.016	0.1277	0.8984
12	rs1996315	49970924	G	COV8	319	0.9082	-0.6055	0.5448
12	rs1996315	49970924	G	COV9	319	1.256	1.525	0.1272
12	rs1996315	49970924	G	COV10	319	0.926	-0.5745	0.5656
12	rs1996315	49970924	G	COV11	319	0.6361	-1.447	0.1478
12	rs1996315	49970924	G	COV12	319	0.839	-0.8238	0.41
12	rs1996315	49970924	G	COV13	319	0.9065	-0.7702	0.4412
12	rs1996315	49970924	G	COV14	319	0.986	-0.1001	0.9203
14	rs1997532	21729203	C	ADD	302	1.022	0.1205	0.9041
14	rs1997532	21729203	C	COV1	302	0.9544	-0.1886	0.8504
14	rs1997532	21729203	C	COV2	302	1.035	0.2317	0.8167
14	rs1997532	21729203	C	COV3	302	0.9134	-0.4324	0.6654
14	rs1997532	21729203	C	COV4	302	0.9879	-0.0498	0.9603
14	rs1997532	21729203	C	COV5	302	1.149	1.274	0.2027
14	rs1997532	21729203	C	COV6	302	1.304	2.316	0.02054
14	rs1997532	21729203	C	COV7	302	0.9851	-0.1142	0.9091
14	rs1997532	21729203	C	COV8	302	0.858	-0.9483	0.343
14	rs1997532	21729203	C	COV9	302	1.37	2.076	0.03786
14	rs1997532	21729203	C	COV10	302	0.9376	-0.4785	0.6323
14	rs1997532	21729203	C	COV11	302	0.7526	-0.8563	0.3918
14	rs1997532	21729203	C	COV12	302	0.839	-0.8106	0.4176
14	rs1997532	21729203	C	COV13	302	0.9033	-0.772	0.4401
14	rs1997532	21729203	C	COV14	302	1.004	0.03088	0.9754
14	rs1997533	21729284	C	ADD	235	1.083	0.3736	0.7087
14	rs1997533	21729284	C	COV1	235	0.8825	-0.4284	0.6684

Table 12. (continued)

14	rs1997533	21729284	C	COV2	235	1.143	0.7807	0.435
14	rs1997533	21729284	C	COV3	235	1.213	0.7779	0.4366
14	rs1997533	21729284	C	COV4	235	0.6283	-1.573	0.1158
14	rs1997533	21729284	C	COV5	235	1.303	2.068	0.03861
14	rs1997533	21729284	C	COV6	235	1.282	1.898	0.05775
14	rs1997533	21729284	C	COV7	235	1.003	0.02188	0.9825
14	rs1997533	21729284	C	COV8	235	0.999	-0.005419	0.9957
14	rs1997533	21729284	C	COV9	235	1.354	1.636	0.1018
14	rs1997533	21729284	C	COV10	235	0.965	-0.2184	0.8271
14	rs1997533	21729284	C	COV11	235	0.6252	-1.163	0.2448
14	rs1997533	21729284	C	COV12	235	0.857	-0.6218	0.5341
14	rs1997533	21729284	C	COV13	235	0.7969	-1.523	0.1277
14	rs1997533	21729284	C	COV14	235	1.01	0.0588	0.9531
14	rs7150049	21733607	G	ADD	287	0.8131	-1.233	0.2176
14	rs7150049	21733607	G	COV1	287	0.8876	-0.4671	0.6405
14	rs7150049	21733607	G	COV2	287	1.064	0.4225	0.6726
14	rs7150049	21733607	G	COV3	287	0.8678	-0.6618	0.5081
14	rs7150049	21733607	G	COV4	287	0.9249	-0.3074	0.7586
14	rs7150049	21733607	G	COV5	287	1.199	1.616	0.1061
14	rs7150049	21733607	G	COV6	287	1.266	2.027	0.04268
14	rs7150049	21733607	G	COV7	287	1.076	0.5367	0.5915
14	rs7150049	21733607	G	COV8	287	0.8643	-0.8794	0.3792
14	rs7150049	21733607	G	COV9	287	1.275	1.58	0.114
14	rs7150049	21733607	G	COV10	287	0.9935	-0.04699	0.9625
14	rs7150049	21733607	G	COV11	287	0.7301	-0.9333	0.3507
14	rs7150049	21733607	G	COV12	287	0.8387	-0.795	0.4266
14	rs7150049	21733607	G	COV13	287	0.954	-0.3412	0.733
14	rs7150049	21733607	G	COV14	287	0.9344	-0.4659	0.6413
14	rs8011979	21733619	T	ADD	265	1.059	0.2932	0.7694
14	rs8011979	21733619	T	COV1	265	0.8254	-0.7138	0.4753
14	rs8011979	21733619	T	COV2	265	1.013	0.08519	0.9321
14	rs8011979	21733619	T	COV3	265	1.001	0.003697	0.9971
14	rs8011979	21733619	T	COV4	265	0.8721	-0.5148	0.6067
14	rs8011979	21733619	T	COV5	265	1.203	1.579	0.1144
14	rs8011979	21733619	T	COV6	265	1.264	1.906	0.0567
14	rs8011979	21733619	T	COV7	265	1.121	0.8086	0.4187
14	rs8011979	21733619	T	COV8	265	0.8824	-0.6881	0.4914
14	rs8011979	21733619	T	COV9	265	1.35	1.804	0.07127
14	rs8011979	21733619	T	COV10	265	0.9851	-0.09918	0.921
14	rs8011979	21733619	T	COV11	265	0.5934	-1.48	0.1388
14	rs8011979	21733619	T	COV12	265	0.7802	-1.069	0.2851
14	rs8011979	21733619	T	COV13	265	0.9964	-0.02614	0.9791
14	rs8011979	21733619	T	COV14	265	0.9184	-0.549	0.583
14	rs4903399	76308859	T	ADD	290	0.9298	-0.3307	0.7409
14	rs4903399	76308859	T	COV1	290	0.8547	-0.623	0.5333
14	rs4903399	76308859	T	COV2	290	1.142	0.8821	0.3777
14	rs4903399	76308859	T	COV3	290	1.069	0.3127	0.7545
14	rs4903399	76308859	T	COV4	290	0.7458	-1.137	0.2554
14	rs4903399	76308859	T	COV5	290	1.196	1.602	0.1091
14	rs4903399	76308859	T	COV6	290	1.243	1.87	0.06155
14	rs4903399	76308859	T	COV7	290	1.023	0.1757	0.8605
14	rs4903399	76308859	T	COV8	290	0.8726	-0.8249	0.4094

Table 12. (continued)

14	rs4903399	76308859	T	COV9	290	1.381	2.09	0.03663
14	rs4903399	76308859	T	COV10	290	0.9747	-0.1866	0.8519
14	rs4903399	76308859	T	COV11	290	0.5328	-1.735	0.08272
14	rs4903399	76308859	T	COV12	290	0.8465	-0.7553	0.4501
14	rs4903399	76308859	T	COV13	290	0.8982	-0.8124	0.4166
14	rs4903399	76308859	T	COV14	290	1.006	0.03974	0.9683
14	rs6574293	76404257	A	ADD	280	1.282	0.8634	0.3879
14	rs6574293	76404257	A	COV1	280	1.124	0.4472	0.6548
14	rs6574293	76404257	A	COV2	280	1.014	0.08931	0.9288
14	rs6574293	76404257	A	COV3	280	1.051	0.2246	0.8223
14	rs6574293	76404257	A	COV4	280	0.942	-0.2298	0.8182
14	rs6574293	76404257	A	COV5	280	1.135	1.087	0.2772
14	rs6574293	76404257	A	COV6	280	1.24	1.695	0.09002
14	rs6574293	76404257	A	COV7	280	0.9817	-0.1357	0.8921
14	rs6574293	76404257	A	COV8	280	0.7889	-1.399	0.1617
14	rs6574293	76404257	A	COV9	280	1.19	1.072	0.2837
14	rs6574293	76404257	A	COV10	280	1.019	0.1328	0.8943
14	rs6574293	76404257	A	COV11	280	0.8182	-0.5804	0.5616
14	rs6574293	76404257	A	COV12	280	0.7053	-1.535	0.1248
14	rs6574293	76404257	A	COV13	280	1.045	0.3129	0.7544
14	rs6574293	76404257	A	COV14	280	0.8688	-0.9246	0.3552
14	rs10132091	76404475	C	ADD	288	1.065	0.3539	0.7234
14	rs10132091	76404475	C	COV1	288	1.041	0.1565	0.8756
14	rs10132091	76404475	C	COV2	288	0.931	-0.469	0.6391
14	rs10132091	76404475	C	COV3	288	0.8627	-0.6791	0.4971
14	rs10132091	76404475	C	COV4	288	1.007	0.02688	0.9786
14	rs10132091	76404475	C	COV5	288	1.177	1.431	0.1524
14	rs10132091	76404475	C	COV6	288	1.358	2.527	0.01152
14	rs10132091	76404475	C	COV7	288	1.112	0.7666	0.4433
14	rs10132091	76404475	C	COV8	288	0.8428	-1.019	0.3082
14	rs10132091	76404475	C	COV9	288	1.197	1.165	0.244
14	rs10132091	76404475	C	COV10	288	1.017	0.1197	0.9047
14	rs10132091	76404475	C	COV11	288	0.6229	-1.432	0.1522
14	rs10132091	76404475	C	COV12	288	0.8447	-0.7642	0.4447
14	rs10132091	76404475	C	COV13	288	0.9005	-0.7866	0.4315
14	rs10132091	76404475	C	COV14	288	1.104	0.6716	0.5019
14	rs1077430	76431334	A	ADD	254	0.976	-0.1252	0.9004
14	rs1077430	76431334	A	COV1	254	0.9657	-0.126	0.8997
14	rs1077430	76431334	A	COV2	254	0.9553	-0.2879	0.7734
14	rs1077430	76431334	A	COV3	254	0.9225	-0.3523	0.7246
14	rs1077430	76431334	A	COV4	254	0.9123	-0.3291	0.7421
14	rs1077430	76431334	A	COV5	254	1.223	1.649	0.09923
14	rs1077430	76431334	A	COV6	254	1.31	2.095	0.03619
14	rs1077430	76431334	A	COV7	254	1.054	0.3603	0.7186
14	rs1077430	76431334	A	COV8	254	0.8921	-0.6588	0.51
14	rs1077430	76431334	A	COV9	254	1.31	1.612	0.107
14	rs1077430	76431334	A	COV10	254	0.9501	-0.3478	0.728
14	rs1077430	76431334	A	COV11	254	0.7204	-0.8664	0.3863
14	rs1077430	76431334	A	COV12	254	0.7274	-1.337	0.1812
14	rs1077430	76431334	A	COV13	254	0.9862	-0.09371	0.9253
14	rs1077430	76431334	A	COV14	254	0.9595	-0.2626	0.7929
14	rs745011	76450932	C	ADD	283	1.069	0.3958	0.6923

Table 12. (continued)

14	rs745011	76450932	C	COV1	283	0.9131	-0.3554	0.7223
14	rs745011	76450932	C	COV2	283	1.058	0.3734	0.7088
14	rs745011	76450932	C	COV3	283	0.8461	-0.7668	0.4432
14	rs745011	76450932	C	COV4	283	1.049	0.1836	0.8543
14	rs745011	76450932	C	COV5	283	1.171	1.399	0.1618
14	rs745011	76450932	C	COV6	283	1.277	2.033	0.04208
14	rs745011	76450932	C	COV7	283	1.047	0.3306	0.741
14	rs745011	76450932	C	COV8	283	0.8952	-0.6533	0.5136
14	rs745011	76450932	C	COV9	283	1.143	0.8812	0.3782
14	rs745011	76450932	C	COV10	283	1.016	0.1123	0.9106
14	rs745011	76450932	C	COV11	283	0.6893	-1.114	0.2651
14	rs745011	76450932	C	COV12	283	0.8111	-0.9358	0.3494
14	rs745011	76450932	C	COV13	283	0.9087	-0.7105	0.4774
14	rs745011	76450932	C	COV14	283	1.041	0.2727	0.7851
14	rs1676303	76525821	C	ADD	301	0.9788	-0.08283	0.934
14	rs1676303	76525821	C	COV1	301	0.8739	-0.5394	0.5896
14	rs1676303	76525821	C	COV2	301	1.088	0.5679	0.5701
14	rs1676303	76525821	C	COV3	301	0.9967	-0.01577	0.9874
14	rs1676303	76525821	C	COV4	301	0.8399	-0.6851	0.4933
14	rs1676303	76525821	C	COV5	301	1.152	1.267	0.2053
14	rs1676303	76525821	C	COV6	301	1.35	2.548	0.01083
14	rs1676303	76525821	C	COV7	301	0.9872	-0.09663	0.923
14	rs1676303	76525821	C	COV8	301	0.8789	-0.7948	0.4268
14	rs1676303	76525821	C	COV9	301	1.326	1.828	0.06761
14	rs1676303	76525821	C	COV10	301	0.9262	-0.5631	0.5734
14	rs1676303	76525821	C	COV11	301	0.6847	-1.053	0.2922
14	rs1676303	76525821	C	COV12	301	0.8464	-0.7706	0.441
14	rs1676303	76525821	C	COV13	301	0.9035	-0.7713	0.4405
14	rs1676303	76525821	C	COV14	301	1.017	0.1183	0.9058
14	rs2860216	76539665	C	ADD	269	0.8764	-0.6465	0.5179
14	rs2860216	76539665	C	COV1	269	0.9923	-0.02867	0.9771
14	rs2860216	76539665	C	COV2	269	1.012	0.07711	0.9385
14	rs2860216	76539665	C	COV3	269	1.118	0.4876	0.6258
14	rs2860216	76539665	C	COV4	269	0.9223	-0.2976	0.766
14	rs2860216	76539665	C	COV5	269	1.171	1.354	0.1757
14	rs2860216	76539665	C	COV6	269	1.206	1.48	0.139
14	rs2860216	76539665	C	COV7	269	1.093	0.6316	0.5277
14	rs2860216	76539665	C	COV8	269	0.882	-0.7148	0.4748
14	rs2860216	76539665	C	COV9	269	1.34	1.871	0.0614
14	rs2860216	76539665	C	COV10	269	0.8881	-0.8173	0.4138
14	rs2860216	76539665	C	COV11	269	0.7755	-0.7236	0.4693
14	rs2860216	76539665	C	COV12	269	0.7533	-1.123	0.2614
14	rs2860216	76539665	C	COV13	269	0.8154	-1.483	0.1381
14	rs2860216	76539665	C	COV14	269	0.9718	-0.1865	0.852
17	rs2619112	4632090	A	ADD	300	0.8972	-0.6017	0.5474
17	rs2619112	4632090	A	COV1	300	1.04	0.1553	0.8766
17	rs2619112	4632090	A	COV2	300	1.118	0.7544	0.4506
17	rs2619112	4632090	A	COV3	300	0.845	-0.7665	0.4434
17	rs2619112	4632090	A	COV4	300	0.8971	-0.4319	0.6658
17	rs2619112	4632090	A	COV5	300	1.226	1.832	0.06695
17	rs2619112	4632090	A	COV6	300	1.288	2.188	0.02867
17	rs2619112	4632090	A	COV7	300	1.024	0.183	0.8548

Table 12. (continued)

17	rs2619112	4632090	A	COV8	300	0.8734	-0.8332	0.4047
17	rs2619112	4632090	A	COV9	300	1.314	1.79	0.07339
17	rs2619112	4632090	A	COV10	300	0.9851	-0.1085	0.9136
17	rs2619112	4632090	A	COV11	300	0.7354	-0.9295	0.3526
17	rs2619112	4632090	A	COV12	300	0.7686	-1.198	0.2308
17	rs2619112	4632090	A	COV13	300	0.9022	-0.78	0.4354
17	rs2619112	4632090	A	COV14	300	1.053	0.3523	0.7246
17	rs7217186	4636097	C	ADD	93	0.4749	-1.889	0.05886
17	rs7217186	4636097	C	COV1	93	0.8763	-0.244	0.8072
17	rs7217186	4636097	C	COV2	93	1.226	0.5504	0.582
17	rs7217186	4636097	C	COV3	93	1.634	0.8754	0.3814
17	rs7217186	4636097	C	COV4	93	0.2516	-1.843	0.06526
17	rs7217186	4636097	C	COV5	93	1.474	1.471	0.1413
17	rs7217186	4636097	C	COV6	93	0.8522	-0.6084	0.5429
17	rs7217186	4636097	C	COV7	93	1.643	1.25	0.2112
17	rs7217186	4636097	C	COV8	93	1.24	0.5223	0.6015
17	rs7217186	4636097	C	COV9	93	2.306	2.086	0.03698
17	rs7217186	4636097	C	COV10	93	0.8426	-0.501	0.6164
17	rs7217186	4636097	C	COV11	93	2.441	1.136	0.2561
17	rs7217186	4636097	C	COV12	93	0.4581	-1.683	0.09229
17	rs7217186	4636097	C	COV13	93	0.6289	-1.548	0.1215
17	rs7217186	4636097	C	COV14	93	0.6355	-1.341	0.1798
19	rs2235091	50907215	C	ADD	297	0.9329	-0.3721	0.7098
19	rs2235091	50907215	C	COV1	297	0.9533	-0.192	0.8478
19	rs2235091	50907215	C	COV2	297	1.041	0.2782	0.7808
19	rs2235091	50907215	C	COV3	297	0.9689	-0.1505	0.8804
19	rs2235091	50907215	C	COV4	297	0.9873	-0.05103	0.9593
19	rs2235091	50907215	C	COV5	297	1.112	0.9774	0.3284
19	rs2235091	50907215	C	COV6	297	1.254	1.981	0.0476
19	rs2235091	50907215	C	COV7	297	0.9871	-0.1015	0.9192
19	rs2235091	50907215	C	COV8	297	0.9261	-0.4756	0.6343
19	rs2235091	50907215	C	COV9	297	1.205	1.26	0.2076
19	rs2235091	50907215	C	COV10	297	0.9859	-0.1037	0.9174
19	rs2235091	50907215	C	COV11	297	0.6618	-1.249	0.2116
19	rs2235091	50907215	C	COV12	297	0.8706	-0.6451	0.5188
19	rs2235091	50907215	C	COV13	297	0.8767	-1.02	0.3075
19	rs2235091	50907215	C	COV14	297	1.045	0.3054	0.76
19	rs198968	50910072	A	ADD	276	1.101	0.4256	0.6704
19	rs198968	50910072	A	COV1	276	0.9768	-0.08909	0.929
19	rs198968	50910072	A	COV2	276	1.114	0.6919	0.489
19	rs198968	50910072	A	COV3	276	1.081	0.3509	0.7257
19	rs198968	50910072	A	COV4	276	0.7217	-1.193	0.2328
19	rs198968	50910072	A	COV5	276	1.207	1.642	0.1007
19	rs198968	50910072	A	COV6	276	1.175	1.361	0.1734
19	rs198968	50910072	A	COV7	276	0.9948	-0.03896	0.9689
19	rs198968	50910072	A	COV8	276	0.8999	-0.5899	0.5552
19	rs198968	50910072	A	COV9	276	1.28	1.562	0.1184
19	rs198968	50910072	A	COV10	276	0.9843	-0.1134	0.9097
19	rs198968	50910072	A	COV11	276	0.7395	-0.8806	0.3785
19	rs198968	50910072	A	COV12	276	0.7718	-1.162	0.2452
19	rs198968	50910072	A	COV13	276	0.9129	-0.6656	0.5057
19	rs198968	50910072	A	COV14	276	1.024	0.1582	0.8743

Table 12. (continued)

22	rs5997096	12345610	T	ADD	249	0.8037	-1.077	0.2814
22	rs5997096	12345610	T	COV1	249	0.9336	-0.2463	0.8054
22	rs5997096	12345610	T	COV2	249	1.067	0.3815	0.7028
22	rs5997096	12345610	T	COV3	249	0.7938	-0.9133	0.3611
22	rs5997096	12345610	T	COV4	249	1.049	0.164	0.8698
22	rs5997096	12345610	T	COV5	249	1.249	1.801	0.07177
22	rs5997096	12345610	T	COV6	249	1.248	1.709	0.0875
22	rs5997096	12345610	T	COV7	249	0.9755	-0.1548	0.877
22	rs5997096	12345610	T	COV8	249	1	0.001261	0.999
22	rs5997096	12345610	T	COV9	249	1.586	2.639	0.008317
22	rs5997096	12345610	T	COV10	249	0.8964	-0.7152	0.4745
22	rs5997096	12345610	T	COV11	249	0.4705	-1.743	0.08126
22	rs5997096	12345610	T	COV12	249	1.045	0.1651	0.8689
22	rs5997096	12345610	T	COV13	249	0.8981	-0.71	0.4777
22	rs5997096	12345610	T	COV14	249	0.8699	-0.8546	0.3928
23	rs946252	123456	T	ADD	257	NA	NA	NA
23	rs946252	123456	T	SEX	257	NA	NA	NA
23	rs946252	123456	T	COV1	257	NA	NA	NA
23	rs946252	123456	T	COV2	257	NA	NA	NA
23	rs946252	123456	T	COV3	257	NA	NA	NA
23	rs946252	123456	T	COV4	257	NA	NA	NA
23	rs946252	123456	T	COV5	257	NA	NA	NA
23	rs946252	123456	T	COV6	257	NA	NA	NA
23	rs946252	123456	T	COV7	257	NA	NA	NA
23	rs946252	123456	T	COV8	257	NA	NA	NA
23	rs946252	123456	T	COV9	257	NA	NA	NA
23	rs946252	123456	T	COV10	257	NA	NA	NA
23	rs946252	123456	T	COV11	257	NA	NA	NA
23	rs946252	123456	T	COV12	257	NA	NA	NA
23	rs946252	123456	T	COV13	257	NA	NA	NA
23	rs946252	123456	T	COV14	257	NA	NA	NA
Spike vs. Caries								
CHR	SNP	BP	A1	TEST	NMISS	OR	STAT	P
1	rs7526319	1234567	T	ADD	507	1.31	1.275	0.2022
1	rs7526319	1234567	T	COV1	507	0.9547	-0.2008	0.8408
1	rs7526319	1234567	T	COV2	507	1.088	0.6079	0.5432
1	rs7526319	1234567	T	COV3	507	1.118	0.547	0.5844
1	rs7526319	1234567	T	COV4	507	0.8615	-0.6115	0.5409
1	rs7526319	1234567	T	COV5	507	1.23	1.948	0.05146
1	rs7526319	1234567	T	COV6	507	1.256	2.165	0.03036
1	rs7526319	1234567	T	COV7	507	1.031	0.253	0.8003
1	rs7526319	1234567	T	COV8	507	0.9957	-0.03127	0.9751
1	rs7526319	1234567	T	COV9	507	1.221	1.349	0.1773
1	rs7526319	1234567	T	COV10	507	0.8661	-1.097	0.2725
1	rs7526319	1234567	T	COV11	507	1.306	1.079	0.2805
1	rs7526319	1234567	T	COV12	507	0.7141	-1.727	0.08415
1	rs7526319	1234567	T	COV13	507	0.7623	-2.026	0.04278
1	rs7526319	1234567	T	COV14	507	0.8044	-1.603	0.109
1	rs9701796	18859635	G	ADD	647	0.8174	-1.239	0.2154
1	rs9701796	18859635	G	COV1	647	1.013	0.06108	0.9513
1	rs9701796	18859635	G	COV2	647	1.037	0.2851	0.7756

Table 12. (continued)

1	rs9701796	18859635	G	COV3	647	1.142	0.7423	0.4579
1	rs9701796	18859635	G	COV4	647	0.9579	-0.2068	0.8362
1	rs9701796	18859635	G	COV5	647	1.052	0.5489	0.5831
1	rs9701796	18859635	G	COV6	647	1.323	2.936	0.003323
1	rs9701796	18859635	G	COV7	647	0.9311	-0.688	0.4914
1	rs9701796	18859635	G	COV8	647	1.084	0.6307	0.5282
1	rs9701796	18859635	G	COV9	647	1.15	1.047	0.2952
1	rs9701796	18859635	G	COV10	647	0.9212	-0.6708	0.5023
1	rs9701796	18859635	G	COV11	647	1.173	0.7292	0.4659
1	rs9701796	18859635	G	COV12	647	0.819	-1.189	0.2346
1	rs9701796	18859635	G	COV13	647	0.7443	-2.441	0.01465
1	rs9701796	18859635	G	COV14	647	0.8063	-1.785	0.07432
4	rs4694075	1234568	T	ADD	520	0.9559	-0.2753	0.7831
4	rs4694075	1234568	T	COV1	520	0.9031	-0.4419	0.6586
4	rs4694075	1234568	T	COV2	520	1.009	0.06521	0.948
4	rs4694075	1234568	T	COV3	520	1.201	0.8637	0.3878
4	rs4694075	1234568	T	COV4	520	0.8513	-0.6436	0.5198
4	rs4694075	1234568	T	COV5	520	1.093	0.8495	0.3956
4	rs4694075	1234568	T	COV6	520	1.233	1.997	0.04581
4	rs4694075	1234568	T	COV7	520	1.074	0.5795	0.5623
4	rs4694075	1234568	T	COV8	520	1.042	0.2859	0.775
4	rs4694075	1234568	T	COV9	520	1.335	1.912	0.05583
4	rs4694075	1234568	T	COV10	520	0.863	-1.141	0.254
4	rs4694075	1234568	T	COV11	520	1.336	1.19	0.2341
4	rs4694075	1234568	T	COV12	520	0.761	-1.465	0.1429
4	rs4694075	1234568	T	COV13	520	0.7012	-2.607	0.009126
4	rs4694075	1234568	T	COV14	520	0.7685	-1.943	0.05202
4	rs12640848	1234569	A	ADD	514	1.026	0.1833	0.8545
4	rs12640848	1234569	A	COV1	514	0.9092	-0.4178	0.6761
4	rs12640848	1234569	A	COV2	514	1.143	0.9695	0.3323
4	rs12640848	1234569	A	COV3	514	1.163	0.7449	0.4563
4	rs12640848	1234569	A	COV4	514	0.9595	-0.169	0.8658
4	rs12640848	1234569	A	COV5	514	1.052	0.4875	0.6259
4	rs12640848	1234569	A	COV6	514	1.249	2.136	0.03264
4	rs12640848	1234569	A	COV7	514	1.036	0.2938	0.7689
4	rs12640848	1234569	A	COV8	514	0.9819	-0.1355	0.8922
4	rs12640848	1234569	A	COV9	514	1.208	1.299	0.1939
4	rs12640848	1234569	A	COV10	514	0.8944	-0.8371	0.4026
4	rs12640848	1234569	A	COV11	514	1.272	0.9829	0.3257
4	rs12640848	1234569	A	COV12	514	0.7029	-1.949	0.05132
4	rs12640848	1234569	A	COV13	514	0.7718	-1.908	0.05636
4	rs12640848	1234569	A	COV14	514	0.7936	-1.711	0.08708
5	rs375129	4952722	T	ADD	538	1.169	1.035	0.3005
5	rs375129	4952722	T	COV1	538	0.8907	-0.493	0.622
5	rs375129	4952722	T	COV2	538	1.063	0.4391	0.6606
5	rs375129	4952722	T	COV3	538	0.947	-0.274	0.7841
5	rs375129	4952722	T	COV4	538	0.7957	-0.9797	0.3273
5	rs375129	4952722	T	COV5	538	1.098	0.9234	0.3558
5	rs375129	4952722	T	COV6	538	1.304	2.603	0.009247
5	rs375129	4952722	T	COV7	538	1.028	0.2333	0.8156
5	rs375129	4952722	T	COV8	538	1.081	0.5366	0.5915
5	rs375129	4952722	T	COV9	538	1.253	1.537	0.1243

Table 12. (continued)

5	rs375129	4952722	T	COV10	538	0.9088	-0.736	0.4617
5	rs375129	4952722	T	COV11	538	1.327	1.107	0.2682
5	rs375129	4952722	T	COV12	538	0.7811	-1.343	0.1791
5	rs375129	4952722	T	COV13	538	0.7255	-2.423	0.0154
5	rs375129	4952722	T	COV14	538	0.904	-0.7618	0.4462
5	rs27565	60541764	A	ADD	356	0.96	-0.2065	0.8364
5	rs27565	60541764	A	COV1	356	0.7932	-0.8105	0.4177
5	rs27565	60541764	A	COV2	356	0.9773	-0.1327	0.8944
5	rs27565	60541764	A	COV3	356	1.328	1.227	0.22
5	rs27565	60541764	A	COV4	356	0.6274	-1.508	0.1316
5	rs27565	60541764	A	COV5	356	0.9964	-0.02852	0.9773
5	rs27565	60541764	A	COV6	356	1.42	2.62	0.008796
5	rs27565	60541764	A	COV7	356	1.002	0.01581	0.9874
5	rs27565	60541764	A	COV8	356	1.114	0.6442	0.5194
5	rs27565	60541764	A	COV9	356	1.371	1.745	0.08093
5	rs27565	60541764	A	COV10	356	0.7595	-1.755	0.07924
5	rs27565	60541764	A	COV11	356	1.409	1.096	0.273
5	rs27565	60541764	A	COV12	356	0.9364	-0.293	0.7696
5	rs27565	60541764	A	COV13	356	0.7396	-1.879	0.06028
5	rs27565	60541764	A	COV14	356	0.954	-0.2973	0.7662
5	rs6862039	73503170	A	ADD	563	0.7866	-1.084	0.2785
5	rs6862039	73503170	A	COV1	563	1.065	0.2844	0.7761
5	rs6862039	73503170	A	COV2	563	1.02	0.1464	0.8836
5	rs6862039	73503170	A	COV3	563	1.224	1.052	0.2929
5	rs6862039	73503170	A	COV4	563	0.9507	-0.2178	0.8276
5	rs6862039	73503170	A	COV5	563	1.071	0.6835	0.4943
5	rs6862039	73503170	A	COV6	563	1.354	2.958	0.003094
5	rs6862039	73503170	A	COV7	563	0.946	-0.5016	0.616
5	rs6862039	73503170	A	COV8	563	0.9668	-0.2594	0.7954
5	rs6862039	73503170	A	COV9	563	1.033	0.2383	0.8116
5	rs6862039	73503170	A	COV10	563	0.9025	-0.7937	0.4274
5	rs6862039	73503170	A	COV11	563	1.43	1.354	0.1758
5	rs6862039	73503170	A	COV12	563	0.8739	-0.7564	0.4494
5	rs6862039	73503170	A	COV13	563	0.7029	-2.781	0.005417
5	rs6862039	73503170	A	COV14	563	0.8574	-1.175	0.24
7	rs17159702	30919387	C	ADD	638	0.8041	-1.505	0.1323
7	rs17159702	30919387	C	COV1	638	0.994	-0.02906	0.9768
7	rs17159702	30919387	C	COV2	638	0.9832	-0.134	0.8934
7	rs17159702	30919387	C	COV3	638	1.21	1.041	0.2979
7	rs17159702	30919387	C	COV4	638	0.9189	-0.3933	0.6941
7	rs17159702	30919387	C	COV5	638	1.058	0.5909	0.5546
7	rs17159702	30919387	C	COV6	638	1.395	3.428	0.0006084
7	rs17159702	30919387	C	COV7	638	0.9898	-0.09851	0.9215
7	rs17159702	30919387	C	COV8	638	1.016	0.1255	0.9002
7	rs17159702	30919387	C	COV9	638	1.108	0.7849	0.4325
7	rs17159702	30919387	C	COV10	638	0.8669	-1.168	0.2426
7	rs17159702	30919387	C	COV11	638	1.209	0.8163	0.4143
7	rs17159702	30919387	C	COV12	638	0.8416	-1.013	0.311
7	rs17159702	30919387	C	COV13	638	0.7585	-2.21	0.02708
7	rs17159702	30919387	C	COV14	638	0.8642	-1.191	0.2337
7	rs10246939	141972804	C	ADD	567	1.214	1.305	0.192
7	rs10246939	141972804	C	COV1	567	0.9248	-0.3536	0.7237

Table 12. (continued)

7	rs10246939	141972804	C	COV2	567	1.014	0.1071	0.9147
7	rs10246939	141972804	C	COV3	567	1.19	0.9308	0.3519
7	rs10246939	141972804	C	COV4	567	0.8078	-0.9552	0.3395
7	rs10246939	141972804	C	COV5	567	1.036	0.3662	0.7142
7	rs10246939	141972804	C	COV6	567	1.418	3.353	0.0007981
7	rs10246939	141972804	C	COV7	567	0.9712	-0.2659	0.7903
7	rs10246939	141972804	C	COV8	567	0.9984	-0.01269	0.9899
7	rs10246939	141972804	C	COV9	567	1.248	1.57	0.1163
7	rs10246939	141972804	C	COV10	567	0.8597	-1.18	0.2381
7	rs10246939	141972804	C	COV11	567	1.29	1.058	0.2902
7	rs10246939	141972804	C	COV12	567	0.8879	-0.6516	0.5146
7	rs10246939	141972804	C	COV13	567	0.7521	-2.221	0.02632
7	rs10246939	141972804	C	COV14	567	0.8749	-1.042	0.2976
7	rs1726866	141972905	T	ADD	600	1.351	1.971	0.04867
7	rs1726866	141972905	T	COV1	600	1.079	0.3465	0.729
7	rs1726866	141972905	T	COV2	600	1.016	0.1165	0.9073
7	rs1726866	141972905	T	COV3	600	1.225	1.072	0.2837
7	rs1726866	141972905	T	COV4	600	0.8528	-0.7181	0.4727
7	rs1726866	141972905	T	COV5	600	1.034	0.3503	0.7261
7	rs1726866	141972905	T	COV6	600	1.308	2.731	0.006322
7	rs1726866	141972905	T	COV7	600	0.9461	-0.5122	0.6085
7	rs1726866	141972905	T	COV8	600	1.123	0.8397	0.4011
7	rs1726866	141972905	T	COV9	600	1.163	1.098	0.2723
7	rs1726866	141972905	T	COV10	600	0.8459	-1.321	0.1865
7	rs1726866	141972905	T	COV11	600	1.22	0.8613	0.3891
7	rs1726866	141972905	T	COV12	600	0.8539	-0.8717	0.3834
7	rs1726866	141972905	T	COV13	600	0.7619	-2.136	0.03266
7	rs1726866	141972905	T	COV14	600	0.8768	-1.048	0.2945
7	rs713598	141973545	G	ADD	578	1.351	1.825	0.06801
7	rs713598	141973545	G	COV1	578	1.05	0.2176	0.8277
7	rs713598	141973545	G	COV2	578	0.9794	-0.1537	0.8779
7	rs713598	141973545	G	COV3	578	1.25	1.124	0.2608
7	rs713598	141973545	G	COV4	578	0.9471	-0.2429	0.8081
7	rs713598	141973545	G	COV5	578	1.044	0.4285	0.6683
7	rs713598	141973545	G	COV6	578	1.281	2.489	0.0128
7	rs713598	141973545	G	COV7	578	0.9641	-0.3105	0.7562
7	rs713598	141973545	G	COV8	578	1.019	0.1417	0.8873
7	rs713598	141973545	G	COV9	578	1.131	0.8477	0.3966
7	rs713598	141973545	G	COV10	578	0.8806	-0.9764	0.3289
7	rs713598	141973545	G	COV11	578	1.31	1.111	0.2666
7	rs713598	141973545	G	COV12	578	0.8007	-1.188	0.2349
7	rs713598	141973545	G	COV13	578	0.764	-2.046	0.0408
7	rs713598	141973545	G	COV14	578	0.7871	-1.845	0.06499
8	rs11362	6877877	G	ADD	509	0.9058	-0.5837	0.5594
8	rs11362	6877877	G	COV1	509	0.9763	-0.1039	0.9173
8	rs11362	6877877	G	COV2	509	1.025	0.1789	0.858
8	rs11362	6877877	G	COV3	509	1.115	0.5403	0.589
8	rs11362	6877877	G	COV4	509	1.025	0.1046	0.9167
8	rs11362	6877877	G	COV5	509	1.119	1.092	0.2749
8	rs11362	6877877	G	COV6	509	1.295	2.533	0.01131
8	rs11362	6877877	G	COV7	509	0.9159	-0.7685	0.4422
8	rs11362	6877877	G	COV8	509	0.9155	-0.6549	0.5125

Table 12. (continued)

8	rs11362	6877877	G	COV9	509	1.24	1.414	0.1573
8	rs11362	6877877	G	COV10	509	0.8949	-0.8372	0.4025
8	rs11362	6877877	G	COV11	509	1.177	0.6028	0.5467
8	rs11362	6877877	G	COV12	509	0.835	-0.9832	0.3255
8	rs11362	6877877	G	COV13	509	0.7723	-1.89	0.05873
8	rs11362	6877877	G	COV14	509	0.8166	-1.524	0.1276
8	rs1800972	6877901	C	ADD	298	0.5619	-1.939	0.05253
8	rs1800972	6877901	C	COV1	298	1.123	0.3593	0.7194
8	rs1800972	6877901	C	COV2	298	0.7595	-1.376	0.1689
8	rs1800972	6877901	C	COV3	298	1.367	1.144	0.2528
8	rs1800972	6877901	C	COV4	298	0.6032	-1.492	0.1358
8	rs1800972	6877901	C	COV5	298	0.95	-0.3481	0.7278
8	rs1800972	6877901	C	COV6	298	1.882	3.732	0.00019
8	rs1800972	6877901	C	COV7	298	0.8699	-0.9248	0.3551
8	rs1800972	6877901	C	COV8	298	1.18	0.844	0.3987
8	rs1800972	6877901	C	COV9	298	1.123	0.568	0.57
8	rs1800972	6877901	C	COV10	298	0.7443	-1.589	0.112
8	rs1800972	6877901	C	COV11	298	1.712	1.326	0.1848
8	rs1800972	6877901	C	COV12	298	1.245	0.774	0.4389
8	rs1800972	6877901	C	COV13	298	0.7114	-1.865	0.06216
8	rs1800972	6877901	C	COV14	298	0.982	-0.09779	0.9221
12	rs3741559	49951193	A	ADD	124	1.39	0.7569	0.4491
12	rs3741559	49951193	A	COV1	124	0.476	-1.414	0.1573
12	rs3741559	49951193	A	COV2	124	0.4604	-2.373	0.01763
12	rs3741559	49951193	A	COV3	124	0.8619	-0.3674	0.7133
12	rs3741559	49951193	A	COV4	124	1.07	0.1385	0.8899
12	rs3741559	49951193	A	COV5	124	0.7288	-1.447	0.1478
12	rs3741559	49951193	A	COV6	124	2.123	2.469	0.01353
12	rs3741559	49951193	A	COV7	124	1.148	0.5704	0.5684
12	rs3741559	49951193	A	COV8	124	1.22	0.5121	0.6086
12	rs3741559	49951193	A	COV9	124	0.8906	-0.368	0.7129
12	rs3741559	49951193	A	COV10	124	1.234	0.6714	0.502
12	rs3741559	49951193	A	COV11	124	0.5425	-1.152	0.2493
12	rs3741559	49951193	A	COV12	124	1.356	0.6761	0.499
12	rs3741559	49951193	A	COV13	124	1.118	0.34	0.7339
12	rs3741559	49951193	A	COV14	124	1.013	0.04708	0.9625
12	rs461872	49951423	A	ADD	184	1.223	0.598	0.5499
12	rs461872	49951423	A	COV1	184	1.238	0.4925	0.6224
12	rs461872	49951423	A	COV2	184	1.279	0.8199	0.4123
12	rs461872	49951423	A	COV3	184	1.288	0.558	0.5768
12	rs461872	49951423	A	COV4	184	0.7943	-0.4081	0.6832
12	rs461872	49951423	A	COV5	184	0.7959	-0.9779	0.3281
12	rs461872	49951423	A	COV6	184	1.382	1.438	0.1504
12	rs461872	49951423	A	COV7	184	1.238	0.7132	0.4757
12	rs461872	49951423	A	COV8	184	1.771	1.334	0.1821
12	rs461872	49951423	A	COV9	184	2.54	2.264	0.0236
12	rs461872	49951423	A	COV10	184	0.5921	-1.844	0.06513
12	rs461872	49951423	A	COV11	184	2.293	1.329	0.1838
12	rs461872	49951423	A	COV12	184	0.3847	-2.093	0.03632
12	rs461872	49951423	A	COV13	184	0.5904	-1.934	0.0531
12	rs461872	49951423	A	COV14	184	0.773	-0.9158	0.3598
12	rs461872	49951423	A	ADD	140	1.614	1.224	0.2211

Table 12. (continued)

12	rs461872	49951423	A	COV1	140	0.6764	-0.749	0.4538
12	rs461872	49951423	A	COV2	140	0.9327	-0.1714	0.8639
12	rs461872	49951423	A	COV3	140	2.289	1.399	0.1619
12	rs461872	49951423	A	COV4	140	0.5439	-0.8477	0.3966
12	rs461872	49951423	A	COV5	140	0.5805	-1.965	0.04945
12	rs461872	49951423	A	COV6	140	1.431	1.294	0.1957
12	rs461872	49951423	A	COV7	140	1.443	1.031	0.3026
12	rs461872	49951423	A	COV8	140	2.329	1.695	0.08999
12	rs461872	49951423	A	COV9	140	2.293	1.802	0.07161
12	rs461872	49951423	A	COV10	140	0.6232	-1.279	0.2008
12	rs461872	49951423	A	COV11	140	2.306	1.014	0.3105
12	rs461872	49951423	A	COV12	140	0.262	-2.436	0.01484
12	rs461872	49951423	A	COV13	140	0.7012	-1.147	0.2516
12	rs461872	49951423	A	COV14	140	0.7569	-0.8536	0.3933
12	rs467323	49955982	A	ADD	285	0.5616	-1.442	0.1494
12	rs467323	49955982	A	COV1	285	1.132	0.3882	0.6978
12	rs467323	49955982	A	COV2	285	0.9766	-0.1258	0.8999
12	rs467323	49955982	A	COV3	285	1.057	0.2148	0.83
12	rs467323	49955982	A	COV4	285	1.454	1.246	0.2127
12	rs467323	49955982	A	COV5	285	1.255	1.561	0.1185
12	rs467323	49955982	A	COV6	285	1.222	1.463	0.1435
12	rs467323	49955982	A	COV7	285	0.993	-0.04501	0.9641
12	rs467323	49955982	A	COV8	285	0.8564	-0.8689	0.3849
12	rs467323	49955982	A	COV9	285	1.187	0.832	0.4054
12	rs467323	49955982	A	COV10	285	0.9313	-0.3667	0.7138
12	rs467323	49955982	A	COV11	285	0.9617	-0.11	0.9124
12	rs467323	49955982	A	COV12	285	0.6735	-1.508	0.1315
12	rs467323	49955982	A	COV13	285	0.7598	-1.478	0.1393
12	rs467323	49955982	A	COV14	285	0.7851	-1.324	0.1856
12	rs2878771	49958610	C	ADD	645	0.9616	-0.2246	0.8223
12	rs2878771	49958610	C	COV1	645	1.023	0.109	0.9132
12	rs2878771	49958610	C	COV2	645	1.009	0.06794	0.9458
12	rs2878771	49958610	C	COV3	645	1.143	0.7529	0.4515
12	rs2878771	49958610	C	COV4	645	0.9834	-0.08079	0.9356
12	rs2878771	49958610	C	COV5	645	1.046	0.4848	0.6278
12	rs2878771	49958610	C	COV6	645	1.339	3.041	0.00236
12	rs2878771	49958610	C	COV7	645	0.9584	-0.4095	0.6822
12	rs2878771	49958610	C	COV8	645	1.067	0.5146	0.6069
12	rs2878771	49958610	C	COV9	645	1.15	1.083	0.2789
12	rs2878771	49958610	C	COV10	645	0.8929	-0.9468	0.3437
12	rs2878771	49958610	C	COV11	645	1.277	1.092	0.2749
12	rs2878771	49958610	C	COV12	645	0.795	-1.363	0.1728
12	rs2878771	49958610	C	COV13	645	0.7259	-2.659	0.007827
12	rs2878771	49958610	C	COV14	645	0.8691	-1.178	0.2388
12	rs3736309	49964271	G	ADD	537	1.115	0.5406	0.5888
12	rs3736309	49964271	G	COV1	537	1.032	0.1353	0.8923
12	rs3736309	49964271	G	COV2	537	1.037	0.2517	0.8012
12	rs3736309	49964271	G	COV3	537	1.197	0.8939	0.3714
12	rs3736309	49964271	G	COV4	537	0.8445	-0.6979	0.4852
12	rs3736309	49964271	G	COV5	537	1	0.0004009	0.9997
12	rs3736309	49964271	G	COV6	537	1.394	3.048	0.0023
12	rs3736309	49964271	G	COV7	537	0.8674	-1.254	0.2098

Table 12. (continued)

12	rs3736309	49964271	G	COV8	537	1.123	0.8231	0.4105
12	rs3736309	49964271	G	COV9	537	1.311	1.729	0.08376
12	rs3736309	49964271	G	COV10	537	0.8442	-1.245	0.2131
12	rs3736309	49964271	G	COV11	537	1.708	1.853	0.06394
12	rs3736309	49964271	G	COV12	537	0.8231	-0.9938	0.3203
12	rs3736309	49964271	G	COV13	537	0.7026	-2.588	0.009644
12	rs3736309	49964271	G	COV14	537	0.9545	-0.3415	0.7327
12	rs296763	49969231	C	ADD	635	1.444	1.903	0.057
12	rs296763	49969231	C	COV1	635	1.048	0.2237	0.823
12	rs296763	49969231	C	COV2	635	1.02	0.1554	0.8765
12	rs296763	49969231	C	COV3	635	1.145	0.7502	0.4531
12	rs296763	49969231	C	COV4	635	0.9747	-0.1214	0.9034
12	rs296763	49969231	C	COV5	635	1.032	0.3336	0.7387
12	rs296763	49969231	C	COV6	635	1.33	2.98	0.002885
12	rs296763	49969231	C	COV7	635	0.9832	-0.1623	0.8711
12	rs296763	49969231	C	COV8	635	1.026	0.2075	0.8356
12	rs296763	49969231	C	COV9	635	1.168	1.179	0.2384
12	rs296763	49969231	C	COV10	635	0.847	-1.389	0.1647
12	rs296763	49969231	C	COV11	635	1.235	0.973	0.3306
12	rs296763	49969231	C	COV12	635	0.808	-1.266	0.2055
12	rs296763	49969231	C	COV13	635	0.7514	-2.333	0.01964
12	rs296763	49969231	C	COV14	635	0.8594	-1.246	0.2127
12	rs1996315	49970924	G	ADD	660	1.2	1.283	0.1993
12	rs1996315	49970924	G	COV1	660	1.033	0.1605	0.8725
12	rs1996315	49970924	G	COV2	660	1.036	0.2815	0.7783
12	rs1996315	49970924	G	COV3	660	1.142	0.7464	0.4554
12	rs1996315	49970924	G	COV4	660	1.012	0.05711	0.9545
12	rs1996315	49970924	G	COV5	660	1.058	0.6093	0.5424
12	rs1996315	49970924	G	COV6	660	1.315	2.917	0.003535
12	rs1996315	49970924	G	COV7	660	0.9784	-0.2115	0.8325
12	rs1996315	49970924	G	COV8	660	1.038	0.3005	0.7638
12	rs1996315	49970924	G	COV9	660	1.178	1.25	0.2113
12	rs1996315	49970924	G	COV10	660	0.8936	-0.9459	0.3442
12	rs1996315	49970924	G	COV11	660	1.2	0.8477	0.3966
12	rs1996315	49970924	G	COV12	660	0.8241	-1.168	0.2428
12	rs1996315	49970924	G	COV13	660	0.7244	-2.701	0.006903
12	rs1996315	49970924	G	COV14	660	0.8187	-1.667	0.09555
14	rs1997532	21729203	C	ADD	616	0.8556	-0.9727	0.3307
14	rs1997532	21729203	C	COV1	616	0.9947	-0.02487	0.9802
14	rs1997532	21729203	C	COV2	616	1.016	0.121	0.9037
14	rs1997532	21729203	C	COV3	616	1.085	0.4478	0.6543
14	rs1997532	21729203	C	COV4	616	1.007	0.03021	0.9759
14	rs1997532	21729203	C	COV5	616	1.025	0.2623	0.7931
14	rs1997532	21729203	C	COV6	616	1.378	3.256	0.001129
14	rs1997532	21729203	C	COV7	616	0.9265	-0.7053	0.4807
14	rs1997532	21729203	C	COV8	616	0.9443	-0.4548	0.6492
14	rs1997532	21729203	C	COV9	616	1.269	1.725	0.08454
14	rs1997532	21729203	C	COV10	616	0.9014	-0.857	0.3915
14	rs1997532	21729203	C	COV11	616	1.462	1.603	0.109
14	rs1997532	21729203	C	COV12	616	0.7987	-1.309	0.1905
14	rs1997532	21729203	C	COV13	616	0.7206	-2.683	0.007303
14	rs1997532	21729203	C	COV14	616	0.8349	-1.475	0.1401

Table 12. (continued)

14	rs1997533	21729284	C	ADD	483	0.9023	-0.5418	0.588
14	rs1997533	21729284	C	COV1	483	1.014	0.05515	0.956
14	rs1997533	21729284	C	COV2	483	1.124	0.775	0.4384
14	rs1997533	21729284	C	COV3	483	1.357	1.412	0.1579
14	rs1997533	21729284	C	COV4	483	0.6307	-1.755	0.07933
14	rs1997533	21729284	C	COV5	483	1.166	1.375	0.1691
14	rs1997533	21729284	C	COV6	483	1.371	2.739	0.006166
14	rs1997533	21729284	C	COV7	483	0.9942	-0.04692	0.9626
14	rs1997533	21729284	C	COV8	483	1.042	0.2645	0.7914
14	rs1997533	21729284	C	COV9	483	1.172	0.9565	0.3388
14	rs1997533	21729284	C	COV10	483	0.9597	-0.289	0.7726
14	rs1997533	21729284	C	COV11	483	1.235	0.7704	0.4411
14	rs1997533	21729284	C	COV12	483	0.8499	-0.8258	0.4089
14	rs1997533	21729284	C	COV13	483	0.6528	-2.954	0.003135
14	rs1997533	21729284	C	COV14	483	0.8442	-1.167	0.2433
14	rs7150049	21733607	G	ADD	589	0.7442	-2.051	0.04024
14	rs7150049	21733607	G	COV1	589	0.8129	-0.9434	0.3455
14	rs7150049	21733607	G	COV2	589	1.058	0.4242	0.6714
14	rs7150049	21733607	G	COV3	589	1.079	0.3953	0.6926
14	rs7150049	21733607	G	COV4	589	0.921	-0.3722	0.7098
14	rs7150049	21733607	G	COV5	589	1.079	0.776	0.4378
14	rs7150049	21733607	G	COV6	589	1.311	2.699	0.006961
14	rs7150049	21733607	G	COV7	589	1.002	0.02146	0.9829
14	rs7150049	21733607	G	COV8	589	0.9933	-0.05179	0.9587
14	rs7150049	21733607	G	COV9	589	1.267	1.672	0.0946
14	rs7150049	21733607	G	COV10	589	0.8813	-0.9967	0.3189
14	rs7150049	21733607	G	COV11	589	1.351	1.195	0.2322
14	rs7150049	21733607	G	COV12	589	0.792	-1.317	0.1877
14	rs7150049	21733607	G	COV13	589	0.7378	-2.336	0.01947
14	rs7150049	21733607	G	COV14	589	0.7973	-1.792	0.07307
14	rs8011979	21733619	T	ADD	556	0.9146	-0.5109	0.6094
14	rs8011979	21733619	T	COV1	556	0.9301	-0.3139	0.7536
14	rs8011979	21733619	T	COV2	556	0.9635	-0.2655	0.7906
14	rs8011979	21733619	T	COV3	556	1.259	1.155	0.2481
14	rs8011979	21733619	T	COV4	556	0.8769	-0.5662	0.5712
14	rs8011979	21733619	T	COV5	556	1.065	0.6194	0.5357
14	rs8011979	21733619	T	COV6	556	1.315	2.583	0.009793
14	rs8011979	21733619	T	COV7	556	0.9927	-0.06238	0.9503
14	rs8011979	21733619	T	COV8	556	1.078	0.5127	0.6082
14	rs8011979	21733619	T	COV9	556	1.169	1.048	0.2945
14	rs8011979	21733619	T	COV10	556	0.9126	-0.6811	0.4958
14	rs8011979	21733619	T	COV11	556	1.206	0.7499	0.4533
14	rs8011979	21733619	T	COV12	556	0.7944	-1.241	0.2147
14	rs8011979	21733619	T	COV13	556	0.7633	-2.003	0.04517
14	rs8011979	21733619	T	COV14	556	0.8177	-1.509	0.1314
14	rs4903399	76308859	T	ADD	604	0.9157	-0.4806	0.6308
14	rs4903399	76308859	T	COV1	604	0.8593	-0.707	0.4796
14	rs4903399	76308859	T	COV2	604	1.017	0.1313	0.8956
14	rs4903399	76308859	T	COV3	604	1.261	1.238	0.2155
14	rs4903399	76308859	T	COV4	604	0.8382	-0.81	0.418
14	rs4903399	76308859	T	COV5	604	1.068	0.6831	0.4945
14	rs4903399	76308859	T	COV6	604	1.299	2.715	0.006634

Table 12. (continued)

14	rs4903399	76308859	T	COV7	604	0.96	-0.3832	0.7016
14	rs4903399	76308859	T	COV8	604	1.009	0.0693	0.9448
14	rs4903399	76308859	T	COV9	604	1.255	1.649	0.09908
14	rs4903399	76308859	T	COV10	604	0.8903	-0.9361	0.3492
14	rs4903399	76308859	T	COV11	604	1.33	1.235	0.2168
14	rs4903399	76308859	T	COV12	604	0.7868	-1.408	0.159
14	rs4903399	76308859	T	COV13	604	0.7015	-2.864	0.00418
14	rs4903399	76308859	T	COV14	604	0.8552	-1.264	0.2063
14	rs6574293	76404257	A	ADD	580	1.089	0.3258	0.7446
14	rs6574293	76404257	A	COV1	580	1.06	0.2587	0.7959
14	rs6574293	76404257	A	COV2	580	1.073	0.5193	0.6035
14	rs6574293	76404257	A	COV3	580	1.186	0.8826	0.3774
14	rs6574293	76404257	A	COV4	580	0.9343	-0.3031	0.7618
14	rs6574293	76404257	A	COV5	580	1.02	0.1936	0.8465
14	rs6574293	76404257	A	COV6	580	1.363	2.902	0.00371
14	rs6574293	76404257	A	COV7	580	0.9511	-0.4429	0.6578
14	rs6574293	76404257	A	COV8	580	0.9269	-0.5861	0.5578
14	rs6574293	76404257	A	COV9	580	1.128	0.8215	0.4114
14	rs6574293	76404257	A	COV10	580	0.9635	-0.2771	0.7817
14	rs6574293	76404257	A	COV11	580	1.337	1.168	0.2428
14	rs6574293	76404257	A	COV12	580	0.7486	-1.644	0.1002
14	rs6574293	76404257	A	COV13	580	0.7714	-1.903	0.05704
14	rs6574293	76404257	A	COV14	580	0.8064	-1.649	0.09912
14	rs10132091	76404475	C	ADD	604	0.8759	-0.895	0.3708
14	rs10132091	76404475	C	COV1	604	0.9323	-0.3195	0.7493
14	rs10132091	76404475	C	COV2	604	0.9009	-0.7965	0.4257
14	rs10132091	76404475	C	COV3	604	1.172	0.83	0.4066
14	rs10132091	76404475	C	COV4	604	0.9826	-0.07956	0.9366
14	rs10132091	76404475	C	COV5	604	1.055	0.5468	0.5845
14	rs10132091	76404475	C	COV6	604	1.375	3.121	0.0018
14	rs10132091	76404475	C	COV7	604	1.044	0.3831	0.7016
14	rs10132091	76404475	C	COV8	604	0.998	-0.01491	0.9881
14	rs10132091	76404475	C	COV9	604	1.156	1.038	0.2991
14	rs10132091	76404475	C	COV10	604	0.9167	-0.6771	0.4984
14	rs10132091	76404475	C	COV11	604	1.231	0.8476	0.3967
14	rs10132091	76404475	C	COV12	604	0.78	-1.424	0.1544
14	rs10132091	76404475	C	COV13	604	0.729	-2.511	0.01205
14	rs10132091	76404475	C	COV14	604	0.8565	-1.226	0.2203
14	rs1077430	76431334	A	ADD	531	0.9483	-0.3066	0.7592
14	rs1077430	76431334	A	COV1	531	0.9189	-0.3592	0.7194
14	rs1077430	76431334	A	COV2	531	0.8947	-0.7881	0.4307
14	rs1077430	76431334	A	COV3	531	1.126	0.5903	0.555
14	rs1077430	76431334	A	COV4	531	1.051	0.208	0.8353
14	rs1077430	76431334	A	COV5	531	1.08	0.7362	0.4616
14	rs1077430	76431334	A	COV6	531	1.373	2.91	0.003609
14	rs1077430	76431334	A	COV7	531	0.9713	-0.2461	0.8056
14	rs1077430	76431334	A	COV8	531	0.9818	-0.1372	0.8908
14	rs1077430	76431334	A	COV9	531	1.245	1.41	0.1585
14	rs1077430	76431334	A	COV10	531	0.866	-1.041	0.298
14	rs1077430	76431334	A	COV11	531	1.414	1.272	0.2033
14	rs1077430	76431334	A	COV12	531	0.7445	-1.582	0.1136
14	rs1077430	76431334	A	COV13	531	0.7456	-2.094	0.0363

Table 12. (continued)

14	rs1077430	76431334	A	COV14	531	0.8244	-1.421	0.1552
14	rs745011	76450932	C	ADD	581	0.9155	-0.6219	0.534
14	rs745011	76450932	C	COV1	581	0.8294	-0.8434	0.399
14	rs745011	76450932	C	COV2	581	0.9989	-0.00817	0.9935
14	rs745011	76450932	C	COV3	581	1.111	0.5481	0.5836
14	rs745011	76450932	C	COV4	581	1.025	0.1114	0.9113
14	rs745011	76450932	C	COV5	581	1.012	0.1186	0.9056
14	rs745011	76450932	C	COV6	581	1.345	2.929	0.0034
14	rs745011	76450932	C	COV7	581	0.9801	-0.1732	0.8625
14	rs745011	76450932	C	COV8	581	1.006	0.04343	0.9654
14	rs745011	76450932	C	COV9	581	1.124	0.8424	0.3996
14	rs745011	76450932	C	COV10	581	0.9531	-0.3706	0.7109
14	rs745011	76450932	C	COV11	581	1.394	1.344	0.1788
14	rs745011	76450932	C	COV12	581	0.7632	-1.521	0.1283
14	rs745011	76450932	C	COV13	581	0.7116	-2.664	0.007719
14	rs745011	76450932	C	COV14	581	0.8728	-1.065	0.2867
14	rs1676303	76525821	C	ADD	615	0.8726	-0.621	0.5346
14	rs1676303	76525821	C	COV1	615	0.8456	-0.7743	0.4388
14	rs1676303	76525821	C	COV2	615	0.9761	-0.1824	0.8553
14	rs1676303	76525821	C	COV3	615	1.302	1.393	0.1635
14	rs1676303	76525821	C	COV4	615	0.916	-0.3967	0.6916
14	rs1676303	76525821	C	COV5	615	1.038	0.3877	0.6982
14	rs1676303	76525821	C	COV6	615	1.432	3.484	0.0004943
14	rs1676303	76525821	C	COV7	615	0.9549	-0.4238	0.6717
14	rs1676303	76525821	C	COV8	615	1.002	0.01501	0.988
14	rs1676303	76525821	C	COV9	615	1.237	1.525	0.1272
14	rs1676303	76525821	C	COV10	615	0.8124	-1.632	0.1026
14	rs1676303	76525821	C	COV11	615	1.53	1.703	0.08853
14	rs1676303	76525821	C	COV12	615	0.7569	-1.6	0.1095
14	rs1676303	76525821	C	COV13	615	0.6799	-3.059	0.002217
14	rs1676303	76525821	C	COV14	615	0.8328	-1.453	0.1462
14	rs2860216	76539665	C	ADD	568	1	0.002494	0.998
14	rs2860216	76539665	C	COV1	568	1.075	0.3119	0.7551
14	rs2860216	76539665	C	COV2	568	0.9721	-0.1997	0.8417
14	rs2860216	76539665	C	COV3	568	1.407	1.684	0.09215
14	rs2860216	76539665	C	COV4	568	0.927	-0.3209	0.7483
14	rs2860216	76539665	C	COV5	568	1.077	0.7195	0.4718
14	rs2860216	76539665	C	COV6	568	1.348	2.813	0.00491
14	rs2860216	76539665	C	COV7	568	0.9769	-0.197	0.8438
14	rs2860216	76539665	C	COV8	568	1.03	0.2169	0.8283
14	rs2860216	76539665	C	COV9	568	1.158	1.021	0.3073
14	rs2860216	76539665	C	COV10	568	0.8437	-1.299	0.1939
14	rs2860216	76539665	C	COV11	568	1.172	0.6968	0.4859
14	rs2860216	76539665	C	COV12	568	0.8552	-0.8494	0.3957
14	rs2860216	76539665	C	COV13	568	0.6461	-3.313	0.0009244
14	rs2860216	76539665	C	COV14	568	0.7633	-2.01	0.04439
17	rs2619112	4632090	A	ADD	601	0.9876	-0.07884	0.9372
17	rs2619112	4632090	A	COV1	601	1.028	0.1303	0.8964
17	rs2619112	4632090	A	COV2	601	1.056	0.4189	0.6753
17	rs2619112	4632090	A	COV3	601	1.122	0.5921	0.5538
17	rs2619112	4632090	A	COV4	601	0.9202	-0.3742	0.7082
17	rs2619112	4632090	A	COV5	601	1.076	0.7556	0.4499

Table 12. (continued)

17	rs2619112	4632090	A	COV6	601	1.317	2.809	0.004975
17	rs2619112	4632090	A	COV7	601	0.9602	-0.3791	0.7046
17	rs2619112	4632090	A	COV8	601	0.9935	-0.05092	0.9594
17	rs2619112	4632090	A	COV9	601	1.203	1.342	0.1795
17	rs2619112	4632090	A	COV10	601	0.9002	-0.8426	0.3994
17	rs2619112	4632090	A	COV11	601	1.371	1.323	0.186
17	rs2619112	4632090	A	COV12	601	0.7652	-1.542	0.1231
17	rs2619112	4632090	A	COV13	601	0.7274	-2.554	0.01064
17	rs2619112	4632090	A	COV14	601	0.8715	-1.094	0.2738
17	rs7217186	4636097	C	ADD	186	0.8032	-0.6985	0.4849
17	rs7217186	4636097	C	COV1	186	1.21	0.4084	0.683
17	rs7217186	4636097	C	COV2	186	1.285	0.8206	0.4119
17	rs7217186	4636097	C	COV3	186	1.589	0.9645	0.3348
17	rs7217186	4636097	C	COV4	186	0.5001	-1.301	0.1934
17	rs7217186	4636097	C	COV5	186	0.8393	-0.8165	0.4142
17	rs7217186	4636097	C	COV6	186	1.304	1.213	0.2251
17	rs7217186	4636097	C	COV7	186	1.16	0.5324	0.5945
17	rs7217186	4636097	C	COV8	186	1.483	1.08	0.2803
17	rs7217186	4636097	C	COV9	186	1.703	1.409	0.1587
17	rs7217186	4636097	C	COV10	186	0.6679	-1.454	0.1459
17	rs7217186	4636097	C	COV11	186	3.248	1.852	0.06405
17	rs7217186	4636097	C	COV12	186	0.6141	-1.173	0.2406
17	rs7217186	4636097	C	COV13	186	0.6006	-1.924	0.05437
17	rs7217186	4636097	C	COV14	186	0.6845	-1.372	0.1699
19	rs2235091	50907215	C	ADD	613	1.097	0.5709	0.568
19	rs2235091	50907215	C	COV1	613	0.9522	-0.2283	0.8195
19	rs2235091	50907215	C	COV2	613	1.003	0.02109	0.9832
19	rs2235091	50907215	C	COV3	613	1.199	0.9667	0.3337
19	rs2235091	50907215	C	COV4	613	1.002	0.007971	0.9936
19	rs2235091	50907215	C	COV5	613	0.9782	-0.2313	0.8171
19	rs2235091	50907215	C	COV6	613	1.344	3.013	0.002588
19	rs2235091	50907215	C	COV7	613	0.9399	-0.5736	0.5662
19	rs2235091	50907215	C	COV8	613	1.024	0.1842	0.8539
19	rs2235091	50907215	C	COV9	613	1.151	1.048	0.2948
19	rs2235091	50907215	C	COV10	613	0.9122	-0.7395	0.4596
19	rs2235091	50907215	C	COV11	613	1.33	1.191	0.2335
19	rs2235091	50907215	C	COV12	613	0.8322	-1.074	0.283
19	rs2235091	50907215	C	COV13	613	0.6845	-3.095	0.001966
19	rs2235091	50907215	C	COV14	613	0.8319	-1.486	0.1373
19	rs198968	50910072	A	ADD	550	1.113	0.5641	0.5727
19	rs198968	50910072	A	COV1	550	0.9492	-0.2308	0.8174
19	rs198968	50910072	A	COV2	550	0.9807	-0.1448	0.8849
19	rs198968	50910072	A	COV3	550	1.303	1.37	0.1707
19	rs198968	50910072	A	COV4	550	0.7601	-1.213	0.2253
19	rs198968	50910072	A	COV5	550	1.08	0.7681	0.4424
19	rs198968	50910072	A	COV6	550	1.322	2.752	0.005931
19	rs198968	50910072	A	COV7	550	0.9586	-0.3759	0.707
19	rs198968	50910072	A	COV8	550	1.042	0.2918	0.7704
19	rs198968	50910072	A	COV9	550	1.161	1.036	0.3002
19	rs198968	50910072	A	COV10	550	0.9059	-0.7759	0.4378
19	rs198968	50910072	A	COV11	550	1.328	1.123	0.2616
19	rs198968	50910072	A	COV12	550	0.7694	-1.437	0.1507

Table 12. (continued)

19	rs198968	50910072	A	COV13	550	0.7363	-2.387	0.01698
19	rs198968	50910072	A	COV14	550	0.889	-0.9102	0.3627
22	rs5997096	12345610	T	ADD	509	0.9833	-0.1021	0.9187
22	rs5997096	12345610	T	COV1	509	0.9582	-0.1842	0.8539
22	rs5997096	12345610	T	COV2	509	1.091	0.6185	0.5362
22	rs5997096	12345610	T	COV3	509	1.035	0.1613	0.8718
22	rs5997096	12345610	T	COV4	509	1.012	0.04745	0.9622
22	rs5997096	12345610	T	COV5	509	1.115	1.021	0.3071
22	rs5997096	12345610	T	COV6	509	1.23	1.963	0.04968
22	rs5997096	12345610	T	COV7	509	1.048	0.3785	0.705
22	rs5997096	12345610	T	COV8	509	1.125	0.7977	0.425
22	rs5997096	12345610	T	COV9	509	1.295	1.705	0.08819
22	rs5997096	12345610	T	COV10	509	0.8449	-1.285	0.1988
22	rs5997096	12345610	T	COV11	509	1.285	1.012	0.3114
22	rs5997096	12345610	T	COV12	509	0.7227	-1.682	0.09256
22	rs5997096	12345610	T	COV13	509	0.7225	-2.426	0.01527
22	rs5997096	12345610	T	COV14	509	0.7758	-1.862	0.06267

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