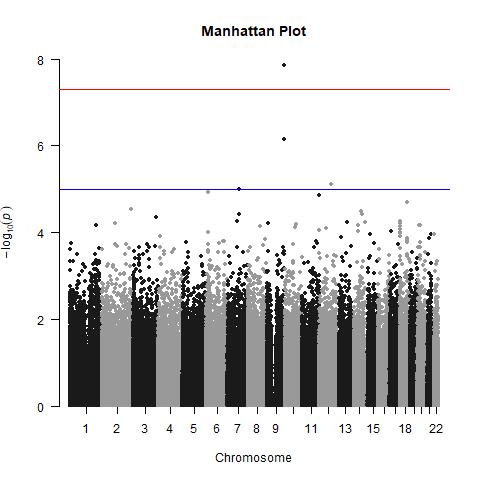
**Regular Association Without Logistic Regression**

**A close up of a map

Description automatically generated**

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**Regular Association With Logistic Regression Using PC1**

**A close up of a map

Description automatically generated**

**A screenshot of a cell phone

Description automatically generated**

**Regular Association With Logistic Regression Using PC2**

**A close up of a map

Description automatically generated**

**A screenshot of a cell phone

Description automatically generated**

**A close up of a map

Description automatically generatedRegular Association With Logistic Regression Using PC1 & PC2**

**A screenshot of a cell phone

Description automatically generated**