Family Tree

A pedigree shows the relationships among family members and specific genetic trait within the family. It is similar to a family tree where you can trace back a particular trait to parents and grandparents. Each symbol is a “shorthand” way to represent the members of a family. With the following guidelines, you are going to make a fictional pedigree for your future family.

Directions:

Using a poster board, create two separate family pedigrees that show two different traits (traits listed below). Include the following:

• A legend (see example below)

• A title detailing what trait you will explore

• Indicate people with the trait, carriers, and people without the trait *Note: If it is a dominant trait, there are no carriers, only people who have it or not.*

• Indicate whether the trait is dominant or recessive

• Include at least 3 generations

• Indicate the genotype of each person (If there are several possible genotypes, put a

question mark for that allele.) Example: Tongue roller (T?)

• Create a Punnett square of 2 people with known genotypes. Include: What are the possible

offspring’s genotypes and phenotypes?



Adapted from: <https://drive.google.com/file/d/0B02EyhfdV7ZabGt6a2ZpaWdieEE/view>