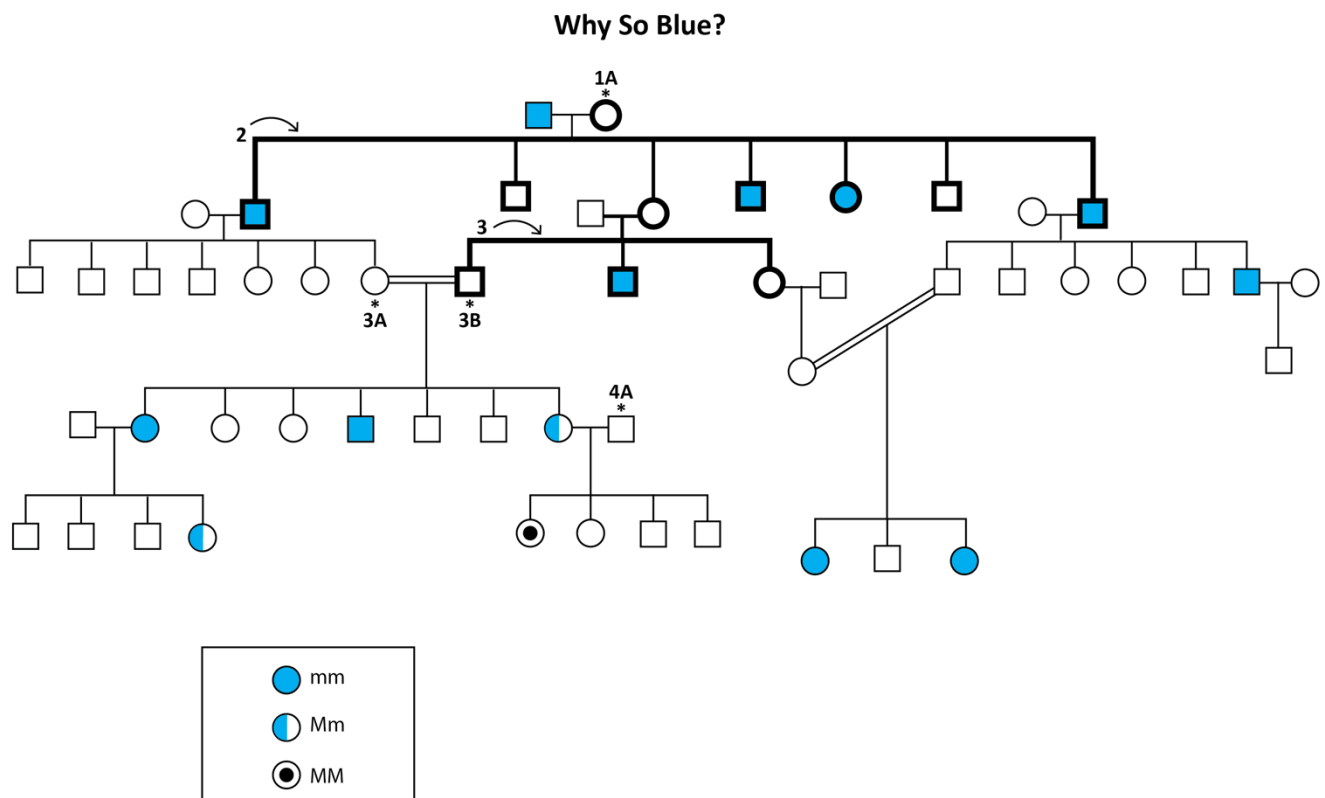


FUGATE PEDIGREE



1. What is the genotype for 1A?
2. What is the genotype of 3A?
3. What is the genotype of 3B?
4. What are the possible genotypes for 4A?
5. Calculate the allele frequency for the seven Fugate siblings in the second-generation (bold line labeled with a 2). Do not include their husbands and wives.
 - a. Frequency (M)
 - b. Frequency (m)
6. (Bonus) Calculate the allele frequency for the three siblings in the third-generation, located in the middle of the pedigree (bold line labeled with a 3). Do not include their husbands and wives.
 - a. Frequency (M)
 - b. Frequency (m)