

	anti-						
	C	D	E	c	e	phenotype	genotype
<i>EX</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>pos</i>	<i>pos</i>	<i>d,c</i>	<i>dce/dce rr</i>
#1	pos	pos	neg	pos	pos	D,C,c,e	
#2	neg	pos	pos	pos	pos	D, E, c, e	
#3	pos	neg	neg	pos	pos	C,c,e	
#4	neg	pos	pos	pos	pos	D,E,c,e	
#5	pos	pos	pos	pos	pos	D,C,c,E,e	

Express answers (Questions #1-6) in both Fisher-Race and shorthand nomenclatures.

1. What is the most probable Rh genotype of #1?
2. What is the most probable Rh genotype of #2?
3. What is the most probable Rh genotype of #3?
4. What is the most probable Rh genotype of #4?
5. What is the most probable Rh genotype of #5?
6. Provide all possible genotypes for family member #5
7. Although no family member has a weak D phenotype, which family member fits the typical pattern for a gene interaction type weak D ? (refer to your lecture guide).
8. Which family member(s) could produce anti-E as an alloantibody?