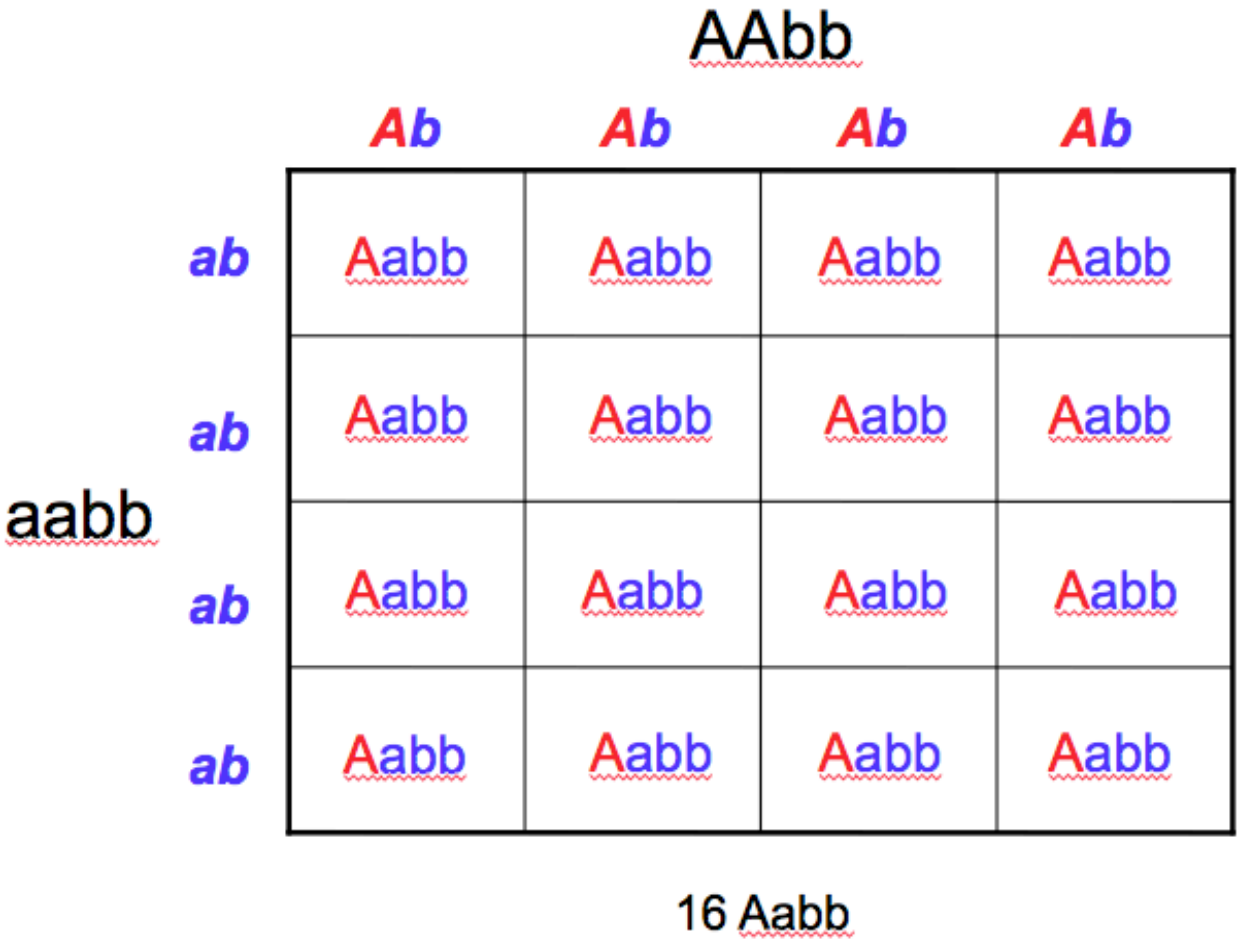
DERMATOMYOSITIS

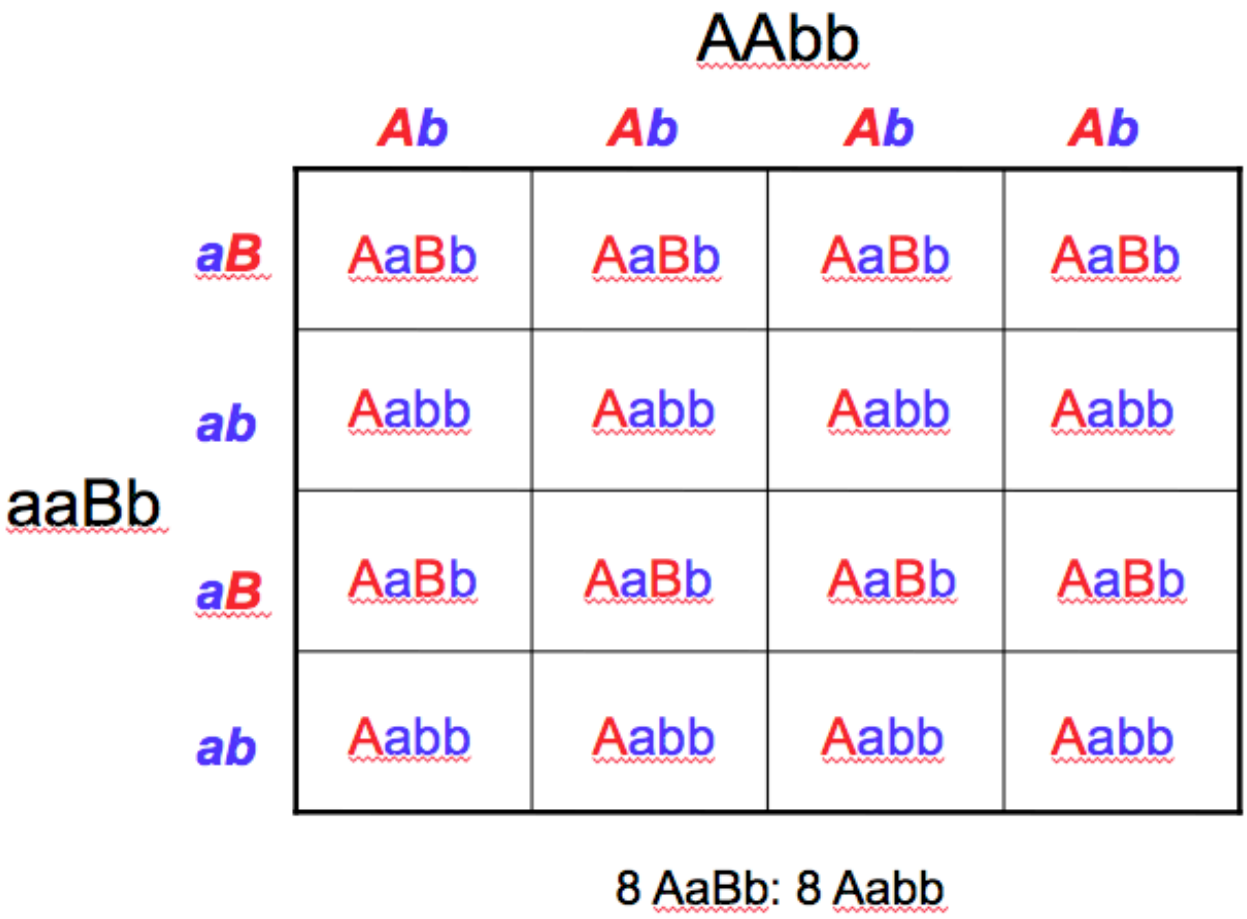
Results of Various Breeding Combinations for a Dog with AAbb Genotype

Red are risk alleles, blue are "wild type," normal alleles.

(Punnett squares provided courtesy of the Clark Canine Genetics Research Laboratory, Clemson University.
http://www.clemsoncaninegenetics.com/

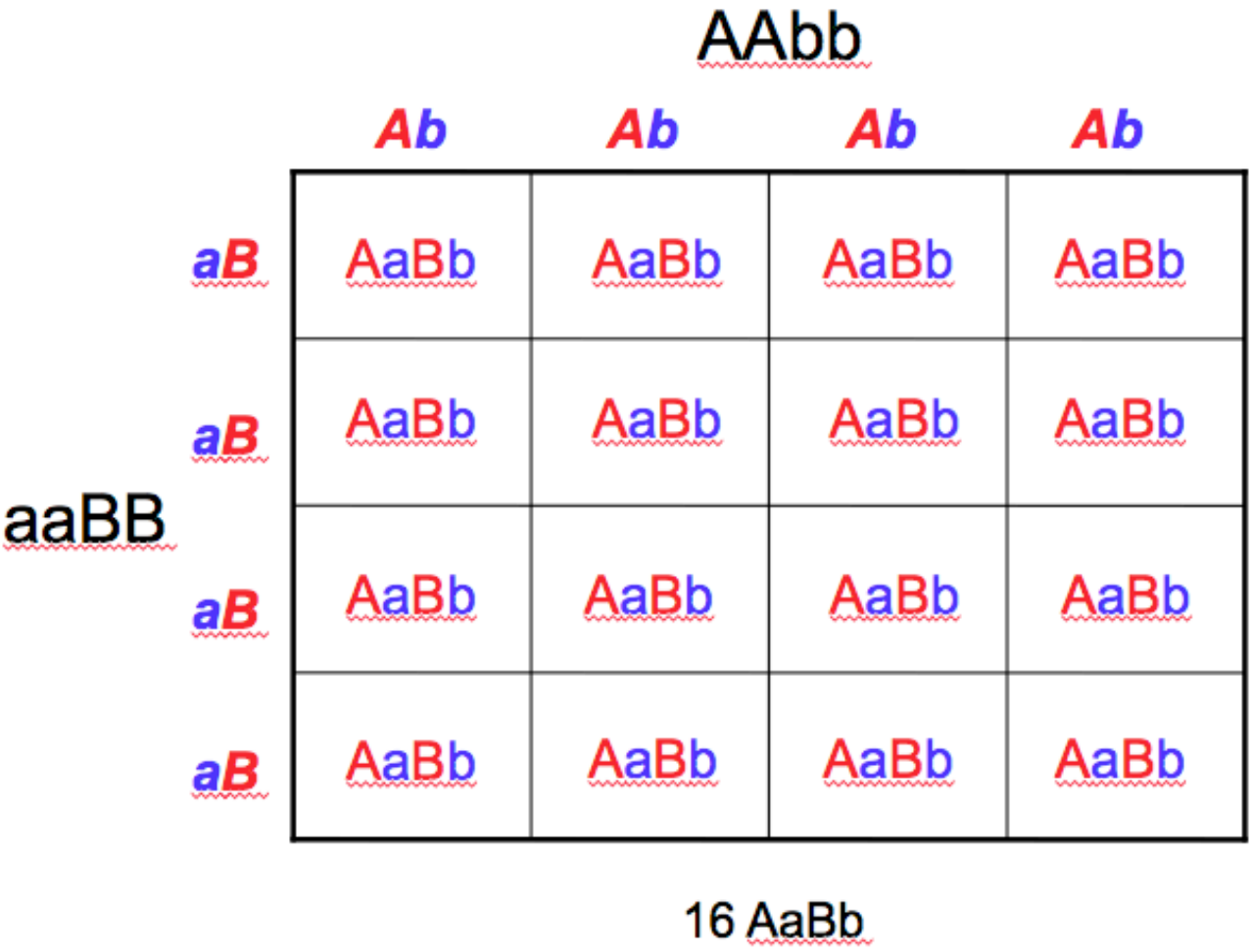


All low risk with homozygous or heterozygous *DLA-DRB1*002:01*



8 AaBb: 8 Aabb

All low risk with homozygous or heterozygous *DLA-DRB1*002:01*



All low risk with homozygous or heterozygous *DLA-DRB1*002:01*

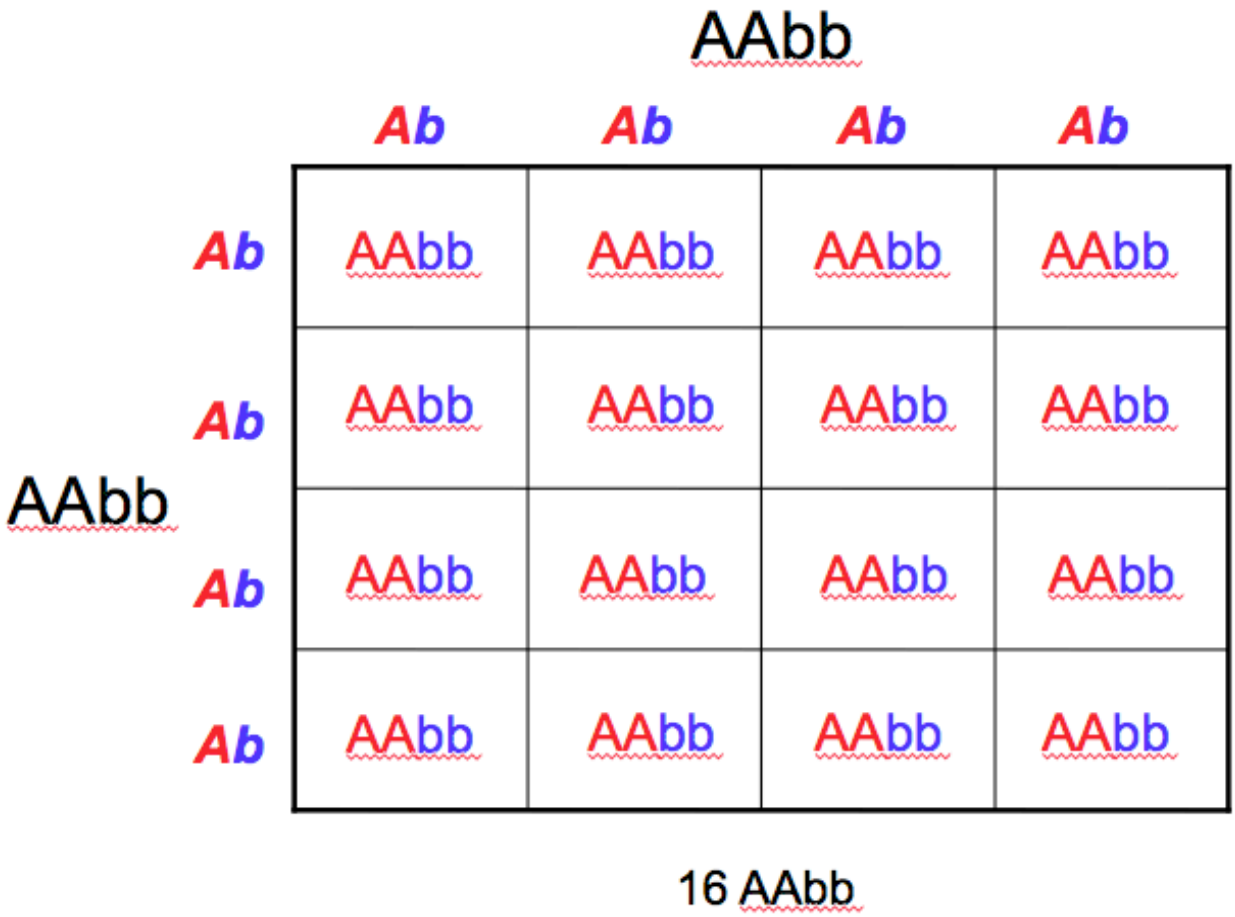
Aabb \ AAbb	Ab	Ab	Ab	Ab
Ab	AAbb	AAbb	AAbb	AAbb
ab	Aabb	Aabb	Aabb	Aabb
Ab	AAbb	AAbb	AAbb	AAbb
ab	Aabb	Aabb	Aabb	Aabb

8 AAbb: 8 Aabb

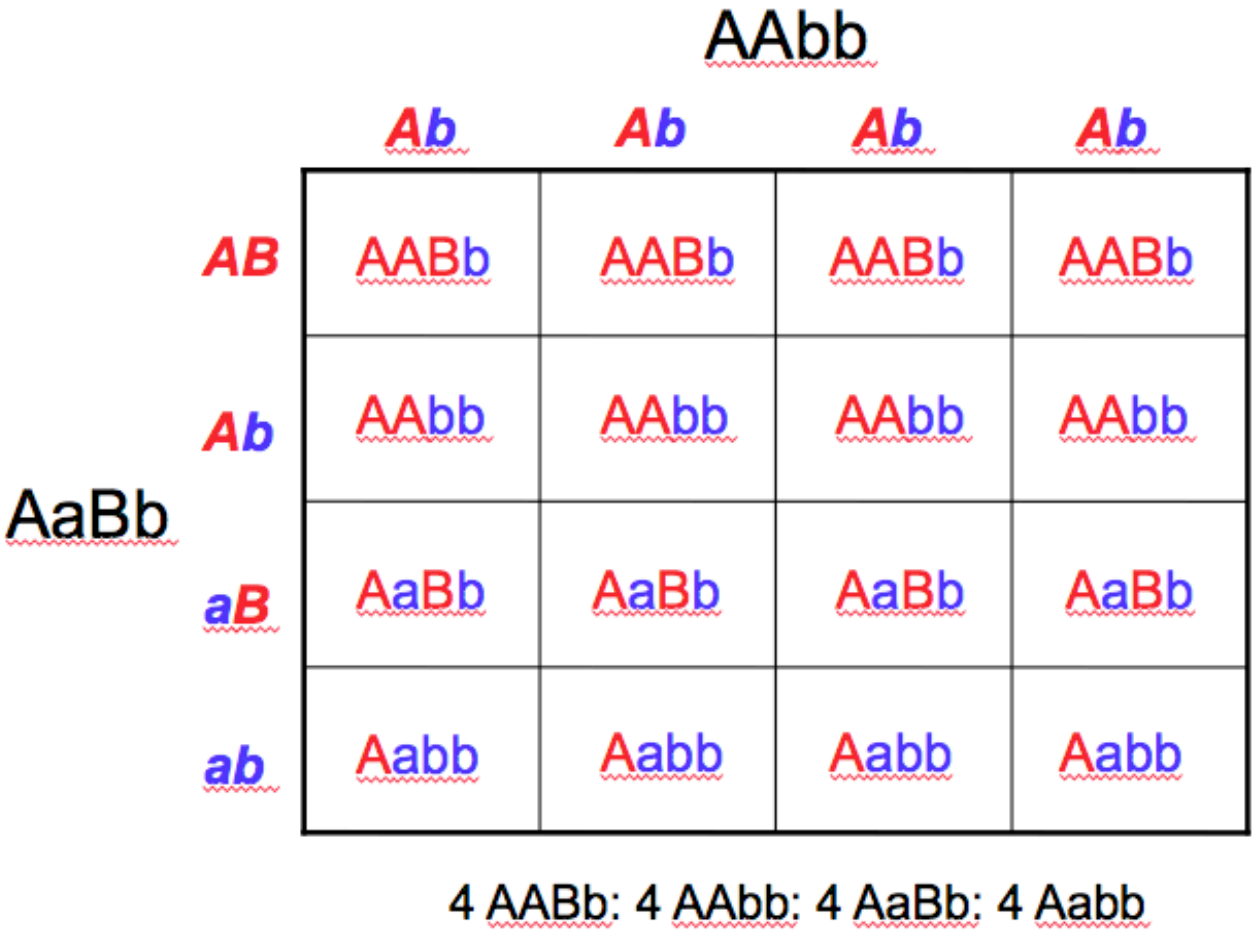
8 low risk: **Aabb with homozygous or heterozygous *DLA-DRB1*002:01***

8 moderate risk: **AAbb with homozygous or heterozygous *DLA-DRB1*002:01***

(Each pup has a 50% chance of inheriting low or moderate risk genotypes.)



All moderate risk with homozygous or heterozygous *DLA-DRB1*002:01*

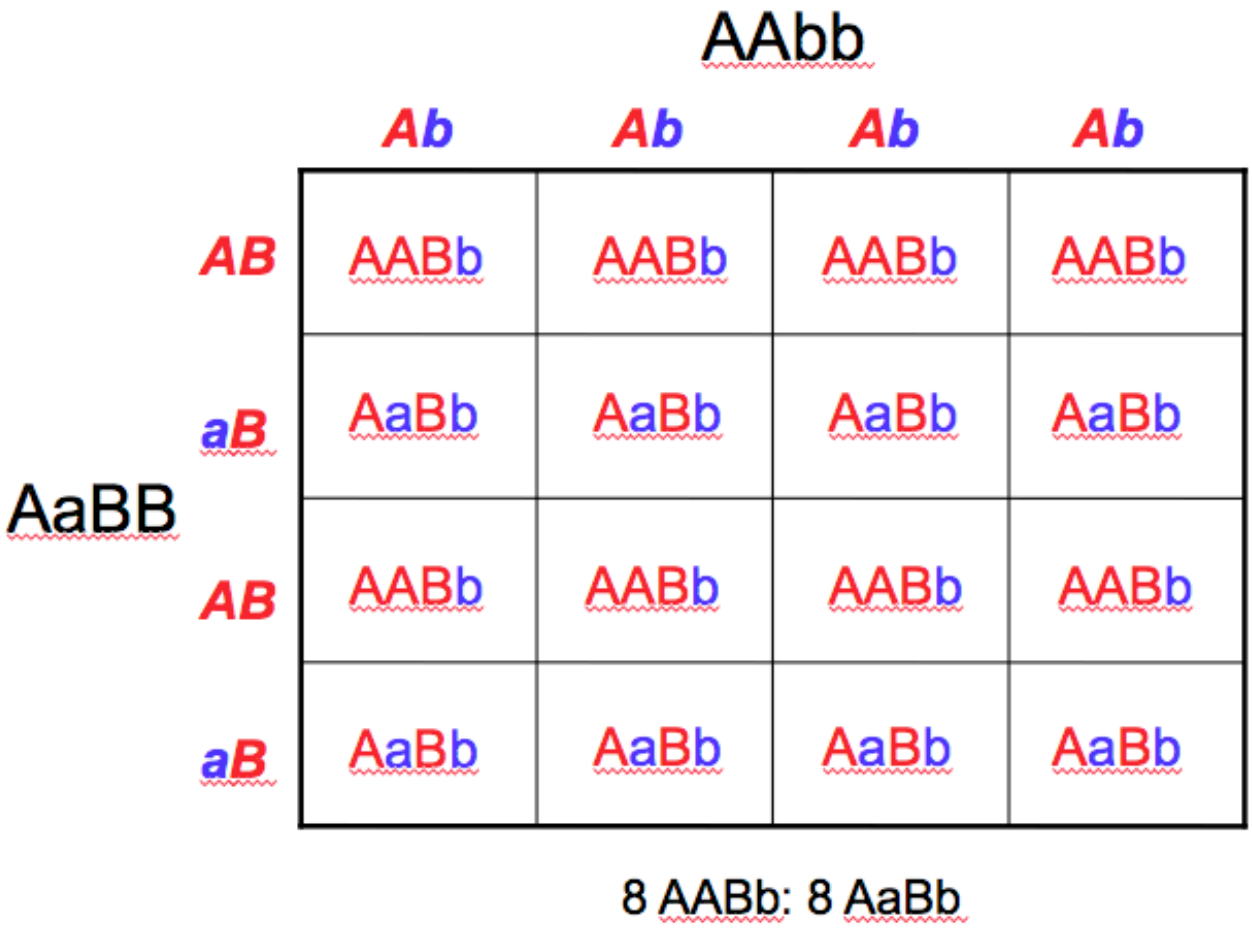


8 low risk: **4 AaBb, 4 Aabb with homozygous or heterozygous *DLA-DRB1*002:01***

4-8 moderate risk: **4 AAbb with homozygous or heterozygous *DLA-DRB1*002:01***

0-4 AABb with heterozygous *DLA-DRB1*002:01*

0-4 high risk: **AABb with homozygous *DLA-DRB1*002:01***

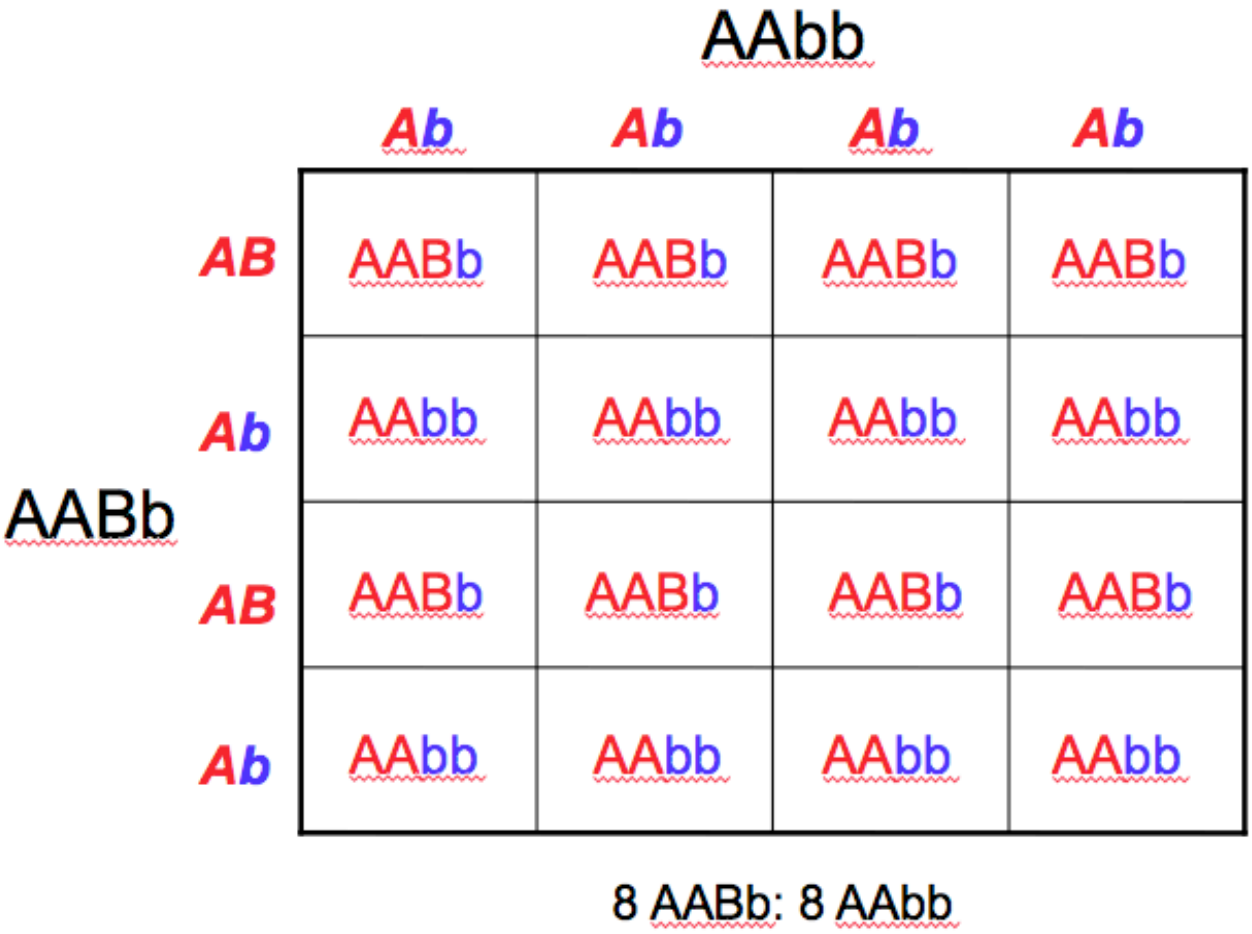


8 AABb: 8 AaBb

8 low risk: **AaBb with homozygous or heterozygous *DLA-DRB1*002:01***

0-8 moderate risk: **AABb with heterozygous *DLA-DRB1*002:01***

0-8 high risk: **AABb with homozygous *DLA-DRB1*002:01***

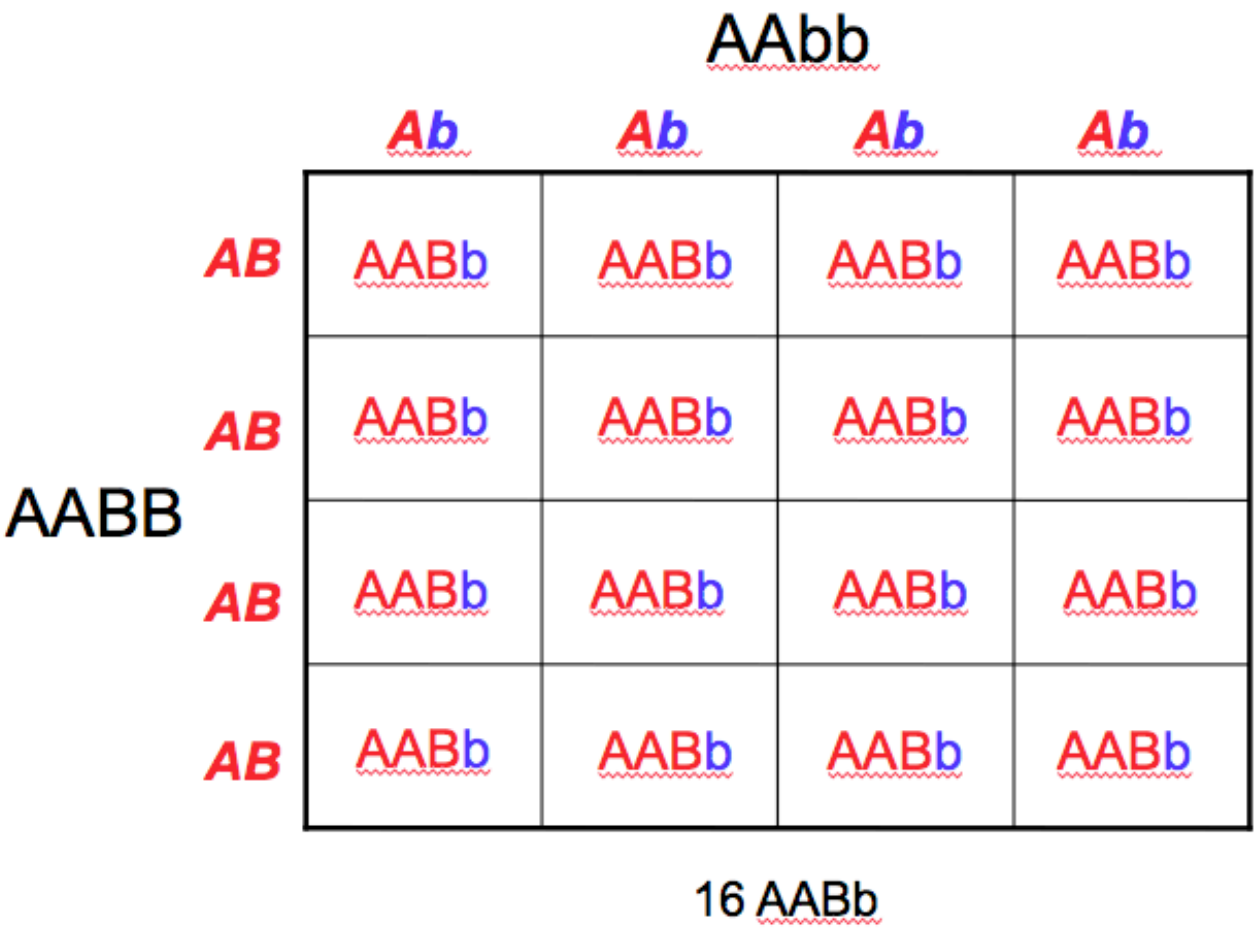


8 AABb: 8 AAbb

8-16 moderate risk: **8 AAbb with homozygous or heterozygous *DLA-DRB1*002:01***

0-8 AABb with heterozygous *DLA-DRB1*002:01*

0-8 high risk: **AABb with homozygous *DLA-DRB1*002:01***



0-16 moderate risk: AABb with heterozygous *DLA-DRB1*002:01*

0-16 high risk: AABb with homozygous *DLA-DRB1*002:01*