

## Leprosy resistance in armadillos -- testing for HWE

resistance is due to one locus with codominant alleles:  $R_1$  and  $R_2$

genotype	$R_1R_1$	$R_1R_2$	$R_2R_2$
phenotype (% resistant)	100%	50%	0%

The data below indicate the number of each genotype in two different locations. Determine whether each population is in HWE, and whether the two populations have the same allele frequencies.

Genotype	$R_1R_1$	$R_1R_2$	$R_2R_2$
Austin	20	78	2
Corpus Christi	24	34	42