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Weinberg Tutorial (allele Frequencies): If 98 Out Of 200 Individuals In A Population Express The Recessive Phenotype, What Percent Of The Population Are Homozygous Dominant? 49% 70% 30% 42% 9% X Solution: Recessive Phenotype Implies Homozygous Genotype. Q2 = 98 / 200 = 0.49 Q = Jun 2th, 2024

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Hardy-Weinberg Equilibrium Problems

2 2 0.01 0.99 0.0198pq ==()( ) Which Is Then Multiplied By 10,000 To Obtain The Number Of Heterozygous Carriers In The Population. So, 0.0198

10,000 198×= Individuals In The Population That Carry The Trait. 13. In Caucasian Humans, Hair Straightness Or Curliness Is Thought To Be Governed By A Single Pair Of Alleles May 1th, 2024

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490 = Recessive . Q. 2 = 490/1000 Homozygous Dominant = P. 2. Heterozygous = 2pq . Q. 2 = 0.49 = 0.3. 2 = 2(.3)(.7) Q = 0.7 = 0.09 = .42 . P = 0.3 0.09(1000) = 90 Individuals 0.42(1000) = 420 Ind. 4. 1. If 9% Of An African Population Is Born With A Severe Form Of Sickle-cell Anemia (ss), Wha Mar 1th, 2024

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Since Q = 0.4 & P+q = 1, P + 0.4 = 1, P = 0.6File Size: 84KB Jan 2th, 2024

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IA "allele" For The ABO Blood Groups Actually Consists Of Two Subtypes, IA1 And IA2, Either Being Considered "IA". In Caucasians, About 3/4 Of The IA Alelles Are IA1 Feb 2th, 2024

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