A BV4 - BV2 = 29x - 19-PX = 29x-9x+PX $=qx+p\alpha=(p+q)\alpha=\alpha$ Δ2 - BV12 - BV22 = (9-P)x - -2px] = 9x-px + 2px = 90 + px = (p+9) x = x . The effect of substituting a Gz-allele by a G-allele on the breeding value is a constant and corresponds to a. Hence, a is called Allele Substitution Effect · Special case for $\alpha = 9 + (9-p)d$ occurs when d=0 = 0 = a (Assumption is used in Genomic Selection in Swiss Dainy Cathe Breedig) The effect of a single Locus on a quantitative frait is determined by just one parameter GGE GAGA Results so fai: ieno type