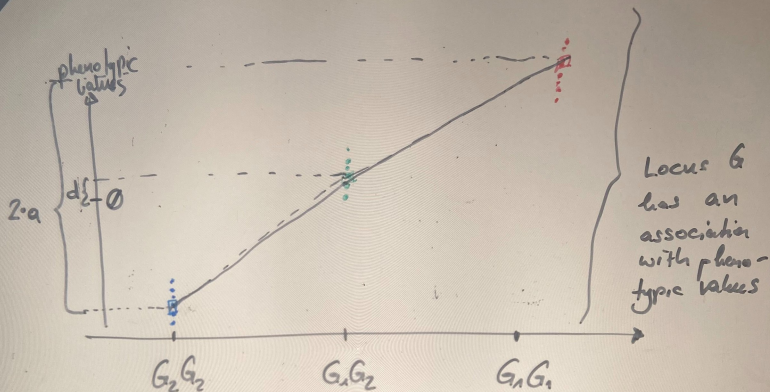


Locus G: 2 Loci G_1 and G_2



Population is described by the weighted mean of genotypic values (V_i)

| Genotype | Frequency | Genotypic Value |
|----------|--------------------------|-----------------|
| G_1G_1 | $f(G_1G_1) = p^2$ | $V_{11} = +a$ |
| G_1G_2 | $f(G_1G_2) = 2 \cdot pq$ | $V_{12} = +d$ |
| G_2G_2 | $f(G_2G_2) = q^2$ | $V_{22} = -a$ |

for a given population (Original Braunnich versus Bro)