

diplods individual Descendant a A -> m= 3 10 6 j=1:-, n (12,502)

 $\hat{1}$ 

individual 2/03 Pr(y==1 x,j, x,j, --, xm;)=P5 log ( Pr ) = po + p, x,; + . - + pm xm,ont of so, B., --; Br only a few of SBI, -- Bso nome Psoti, -- Pm all O (ass o

sapl (xis) 4; <  $\log\left(\frac{P_i}{P_i}\right) = \rho_0 + \beta_1 \times \beta_2 + \dots + \beta_m \times \beta_m.$ SNP, SNP2

B1, -, \$100 \\Siva, - \beta200

(GWAS

$$g_{2} \sim f_{2} = P_{2}^{\frac{1}{2}} (P_{2})^{\frac{1}{2}}$$

$$= \begin{cases} (1-p, ) (1-p_{2}) \\ (1-p, ) (1-p_{2}) \\ p_{1} (1-p_{2}) \end{cases}$$

9 Pr(7; =0)=1-P; 45 < 6  $P_{r}(y_{j}=1)=P_{j}$  depends on  $\chi_{ij}, \chi_{2j}$ , P5 (-P7) 1-45

g(71, -, 7m) = TT f-

Ura industron