Individuals

Loci

0 2 2 1 1 0 1
0 2 1 0 1
2 ...

$\mathbf{X}$

$$\mathrm{E}[x_{ij}|T] = 2p_i^T,$$
$$\mathrm{Var}(x_{ij}|T) = 2p_i^T\left(1-p_i^T\right)\left(1+f_j^T\right),$$
$$\mathrm{Cov}(x_{ij}, x_{ik}|T) = 4p_i^T\left(1-p_i^T\right)\varphi_{jk}^T,$$
$$(1-F_{\mathrm{IT}}) = (1-F_{\mathrm{IS}})(1-F_{\mathrm{ST}}),$$
$$\left(1-f_j^T\right) = \left(1-f_j^{L_j}\right)\left(1-f_{L_j}^T\right),$$
$$F_{\mathrm{ST}} = \sum_{j=1}^n w_j f_{L_j}^T,$$
$$\hat{p}_i^T = \frac{1}{2}\sum_{j=1}^n w_j x_{ij},$$
$$\hat{\varphi}_{jk}^{T,\mathrm{new}} \xrightarrow[m\to\infty]{\text{a.s.}} \varphi_{jk}^T.$$

E, Var, Cov, round, sgn, logit, $\xrightarrow[m\to\infty]{\text{a.s.}}$, $\xrightarrow[n\to\infty]{}$, $\xrightarrow[n,m\to\infty]{\text{a.s.}}$, x_{ij}, p_i^T, $\hat{p}_i^T$, F_{ST}, F_{IT}, F_{IS}, f_B^A, f_j^T, $f_j^{L_j}$, $f_{L_j}^T$, φ_{jk}^T, $\varphi_{jk}^{L_{jk}}$, $f_{L_{jk}}^T$, $f_{L_j}^{L_{jk}}$, R_{ST}, ϕ_{ST}, G_{ST}, G'_{ST}, $\hat{F}_{\mathrm{ST},i}^{\mathrm{sample}}$, $\hat{F}_{\mathrm{ST}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{indep}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{WC}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{Hudson}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{HudsonK}}$, $\hat{\varphi}_{jk}^T$, $\hat{f}_j^T$, $\hat{\varphi}_{jk}^{T,\mathrm{std}}$, $\hat{f}_j^{T,\mathrm{std}}$, $\hat{f}_j^{T,\mathrm{stdII}}$, $\hat{f}_j^{T,\mathrm{stdIII}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{std}}$, $\hat{F}'_{\mathrm{ST}}$, $\hat{F}''_{\mathrm{ST}}$, $\hat{\varphi}_{jk}^{T,\mathrm{new}}$, $\hat{\varphi}_{\mathrm{min}}^{T,\mathrm{new}}$, $\hat{f}_j^{T,\mathrm{new}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{new}}$, $\hat{\varphi}_{jk}^{L_{jk},\mathrm{beagle}}$, $\hat{f}_j^{L_j,\mathrm{beagle}}$, $\overline{p(1-p)}^T$, A_{jk}, $\hat{A}_{\mathrm{min}}$.