Individuals

$$
X = \begin{array}{l}
0\ 2\ 2\ 1\ 1\ 0\ 1 \\
0\ 2\ 1\ 0\ 1 \\
2\ ...
\end{array}
$$

Loci

X

$$E[x_{ij}|T] = 2p_i^T,$$

$$Var(x_{ij}|T) = 2p_i^T \left(1 - p_i^T\right)\left(1 + f_j^T\right),$$

$$Cov(x_{ij}, x_{ik}|T) = 4p_i^T \left(1 - p_i^T\right)\varphi_{jk}^T,$$

$$(1 - F_{IT}) = (1 - F_{IS})(1 - F_{ST}),$$

$$\left(1 - f_j^T\right) = \left(1 - f_j^{L_j}\right)\left(1 - f_{L_j}^T\right),$$

$$F_{ST} = \sum_{j=1}^n w_j f_{L_j}^T,$$

$$\hat{p}_i^T = \frac{1}{2}\sum_{j=1}^n w_j x_{ij},$$

$$\hat{\varphi}_{jk}^{T,\text{new}} \xrightarrow[m\to\infty]{\text{a.s.}} \varphi_{jk}^T.$$

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}, $\hat{F}_{ST,i}^{\text{sample}}$, $\hat{F}_{ST}$, $\hat{F}_{ST}^{\text{indep}}$, $\hat{F}_{ST}^{\text{WC}}$, $\hat{F}_{ST}^{\text{Hudson}}$, $\hat{F}_{ST}^{\text{HudsonK}}$, $\hat{\varphi}_{jk}^T$, $\hat{f}_j^T$, $\hat{\varphi}_{jk}^{T,\text{std}}$, $\hat{f}_j^{T,\text{std}}$, $\hat{f}_j^{T,\text{stdII}}$, $\hat{f}_j^{T,\text{stdIII}}$, $\hat{F}_{ST}^{\text{std}}$, $\hat{F}'_{ST}$, $\hat{F}''_{ST}$, $\hat{\varphi}_{jk}^{T,\text{new}}$, $\hat{\varphi}_{\min}^{T,\text{new}}$, $\hat{f}_j^{T,\text{new}}$, $\hat{F}_{ST}^{\text{new}}$, $\hat{\varphi}_{jk}^{L_{jk},\text{beagle}}$, $\hat{f}_j^{L_j,\text{beagle}}$, $\overline{p(1-p)}^T$, A_{jk}, $\hat{A}_{\min}$.