Type	Mean	Variance
rs-fMRI ($\mathbf{d_{ROI}}$)	$\dfrac{2p(p-1)}{\sqrt{\pi(p-3)}}$	$\dfrac{4(\pi-2)p(p-1)}{\pi(p-3)}$
rs-fMRI ($\mathbf{d^*_{ROI}}$)	$\dfrac{2p(p-1)}{\mu(m,p)\sqrt{\pi(p-3)}}$ where $\quad \mu(m,p) = \dfrac{1}{\sqrt{p-3}}\Phi^{-1}\left(1-\dfrac{1}{m(p-1)}\right)$	$\dfrac{2[6(p-3)\mu^2(m,p)\log[m(p-1)](\pi-2)-\pi^2]p(p-1)}{\pi(p-3)\mu^2(m,p)(\pi^2+12(p-3)\mu^2(m,p)\log[m(p-1)])}$ where $\quad \mu(m,p) = \dfrac{1}{\sqrt{p-3}}\Phi^{-1}\left(1-\dfrac{1}{m(p-1)}\right)$
GWAS ($\mathbf{d_{GM}}$)	$2\sum_{a=1}^{p} F(a)$ where $F(a) = \left[2(1-f_a)^3 f_a + 2f_a^3(1-f_a) + (1-f_a)^2 f_a^2\right]$, and f_a is the probability of a minor allele at locus a.	$2\sum_{a=1}^{p} F(a)[1-2F(a)]$ where $F(a) = \left[2(1-f_a)^3 f_a + 2f_a^3(1-f_a) + (1-f_a)^2 f_a^2\right]$, and f_a is the probability of a minor allele at locus a.
GWAS ($\mathbf{d_{AM}}$)	$2\sum_{a=1}^{p} F(a)$ where $F(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a) + (1-f_a)^2 f_a^2\right]$, and f_a is the probability of a minor allele at locus a.	$\sum_{a=1}^{p}\left[G(a)-4F^2(a)\right]$ where $F(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a) + (1-f_a)^2 f_a^2\right]$, $G(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a) + 2(1-f_a)^2 f_a^2\right]$, and f_a is the probability of a minor allele at locus a.
GWAS ($\mathbf{d_{TiTv}}$)	$(\gamma_0+\gamma_2+2\gamma_1)\sum_{a=1}^{p} F(a) + \left[\dfrac{3}{2}(\gamma_0+\gamma_2)+2\gamma_1\right]\sum_{a=1}^{p} G(a)$ where $F(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a)\right]$ and $G(a) = (1-f_a)^2 f_a^2$, f_a is the probability of a minor allele at locus a, and γ_0, γ_1, and γ_2 are probabilities of PuPu, PuPy, and PyPy, respectively, at locus a.	$\left[\dfrac{1}{4}(\gamma_0+\gamma_2)+\gamma_1\right]\sum_{a=1}^{p} F(a) + \left[\dfrac{9}{8}(\gamma_0+\gamma_2)+2\gamma_1\right]\sum_{a=1}^{p} G(a)$ $+ \sum_{a=1}^{p}\left[(\gamma_0+\gamma_2+2\gamma_1)F(a)+\left[\dfrac{3}{2}(\gamma_0+\gamma_2)+2\gamma_1\right]G(a)\right]^2$ where $F(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a)\right]$ and $G(a) = (1-f_a)^2 f_a^2$, f_a is the probability of a minor allele at locus a, and γ_0, γ_1, and γ_2 are probabilities of PuPu, PuPy, and PyPy, respectively, at locus a.