Type	Mean	Variance
$\mathcal{N}(0,1) - \mathbf{d_M}$	$\frac{2p}{\sqrt{\pi}}$	$\frac{2p(\pi-2)}{\pi}$
$\mathcal{N}(0,1) - \mathbf{d_M^*}$	$\boxed{\frac{p}{\sqrt{\pi}\mu(m)}}$ where $\mu(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$	$\boxed{\frac{p(\pi-2)}{2\pi\mu^2(m)}}$ where $\mu(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
$\mathcal{N}(0,1) - \mathbf{d_E}$	$\sqrt{2p-1}$	1
$\mathcal{N}(0,1) - \mathbf{d_E^*}$	$\boxed{\frac{\sqrt{2p-1}}{2\mu(m)}}$ where $\mu(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$	$\boxed{\frac{2\log(m)}{\pi^2 + 12\mu^2(m)\log(m)}}$ where $\mu(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
$\mathcal{U}(0,1) - \mathbf{d_M}$	$\frac{p}{3}$	$\frac{p}{18}$
$\mathcal{U}(0,1) - \mathbf{d_M^*}$	$\frac{(m+1)p}{3(m-1)}$	$\frac{(m^3-18m^2-5m+2)p}{18(m^3+m^2+2)(m-1)^2}$
$\mathcal{U}(0,1) - \mathbf{d_E}$	$\sqrt{\frac{p}{6} - \frac{7}{120}}$	$\frac{7}{120}$
$\mathcal{U}(0,1) - \mathbf{d_E^*}$	$\sqrt{\frac{p}{6} - \frac{7}{120}}\left(\frac{m+1}{m-1}\right)$	$\frac{7(m+1)^2(m+2)}{120(m^3+m^2+2)}$
rs-fMRI ($\mathbf{d_{ROI}}$)	$\frac{2p(p-1)}{\sqrt{\pi(p-3)}}$	$\frac{4(\pi-2)p(p-1)}{\pi(p-3)}$
rs-fMRI ($\mathbf{d_{ROI}^*}$)	$\boxed{\frac{2p(p-1)}{\mu(m,p)\sqrt{\pi(p-3)}}}$ where $\mu(m,p) = \frac{1}{\sqrt{p-3}}\Phi^{-1}\left(1 - \frac{1}{m(p-1)}\right)$	$\boxed{\frac{2[6(p-3)\mu^2(m,p)\log[m(p-1)](\pi-2) - \pi^2]p(p-1)}{\pi(p-3)\mu^2(m,p)(\pi^2 + 12(p-3)\mu^2(m,p)\log[m(p-1)])}}$ where $\mu(m,p) = \frac{1}{\sqrt{p-3}}\Phi^{-1}\left(1 - \frac{1}{m(p-1)}\right)$
GWAS ($\mathbf{d_{GM}}$)	$\boxed{2\sum_{a=1}^{p} F(a)}$ 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.	$\boxed{2\sum_{a=1}^{p} F(a)[1-2F(a)]}$ 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 ($\mathbf{d_{AM}}$)	$\boxed{2\sum_{a=1}^{p} F(a)}$ 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.	$\boxed{\sum_{a=1}^{p}\left[G(a) - 4F^2(a)\right]}$ where $F(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a) + f_a^3(1-f_a) + (1-f_a)^2 f_a^2\right]$, $G(a) = \left[(1-f_a)^3 f_a + f_a^3(1-f_a) + 2(1-f_a)^2 f_a^2\right]$, and f_a is the probability of a minor allele at locus a.
GWAS ($\mathbf{d_{TiTv}}$)	$\boxed{(\gamma_0+\gamma_2+2\gamma_1)\sum_{a=1}^{p} F(a) + \left[\frac{3}{2}(\gamma_0+\gamma_2)+2\gamma_1\right]\sum_{a=1}^{p} G(a)}$ 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.	$\boxed{\left[\frac{1}{4}(\gamma_0+\gamma_2)+\gamma_1\right]\sum_{a=1}^{p} F(a) + \left[\frac{9}{8}(\gamma_0+\gamma_2)+2\gamma_1\right]\sum_{a=1}^{p} G(a) + \sum_{a=1}^{p}\left[(\gamma_0+\gamma_2+2\gamma_1)F(a) + \left[\frac{3}{2}(\gamma_0+\gamma_2)+2\gamma_1\right]G(a)\right]^2}$ 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.