GWAS-Metric	Stat	Formula (Eq. $\#$)
GM (Eq. 103)	mean	$2\sum_{a\in\mathcal{A}} F^{GM}(a) \qquad (110)$ where $F^{GM}(a) = 2(1-f_a)^3 f_a + 2f_a^3 (1-f_a) + (1-f_a)^2 f_a^2$
	variance	$2\sum_{a\in\mathcal{A}} F^{GM}(a)[1-2F^{GM}(a)] \qquad (110)$ where $F^{GM}(a)=2(1-f_a)^3f_a+2f_a^3(1-f_a)+(1-f_a)^2f_a^2$
AM (Eq. 104)	mean	$2\sum_{a\in\mathcal{A}} F^{\text{AM}}(a) \qquad \textbf{(115)}$ where $F^{\text{AM}}(a) = (1-f_a)^3 f_a + f_a^3 (1-f_a) + (1-f_a)^2 f_a^2$
	variance	$\sum_{a \in \mathcal{A}} \left[G^{\text{AM}}(a) - 4 \left(F^{\text{AM}}(a) \right)^2 \right] $ (115) where $F^{\text{AM}}(a) = 2(1 - f_a)^3 f_a + 2f_a^3 (1 - f_a) + (1 - f_a)^2 f_a^2$ and $G^{\text{AM}}(a) = (1 - f_a)^3 f_a + f_a^3 (1 - f_a) + 2(1 - f_a)^2 f_a^2$
TiTv (Eq. 105)	mean	$[(\gamma_0 + \gamma_2 + 2\gamma_1) \sum_{a \in \mathcal{A}} F^{\text{TiTv}}(a) + \left[\frac{3}{2}(\gamma_0 + \gamma_2) + 2\gamma_1\right] \sum_{a \in \mathcal{A}} G^{\text{TiTv}}(a)] $ (131) where $F^{\text{TiTv}}(a) = (1 - f_a)^3 f_a + f_a^3 (1 - f_a)$ and $G^{\text{TiTv}}(a) = (1 - f_a)^2 f_a^2$
	variance	$ \begin{bmatrix} \frac{1}{4}(\gamma_0 + \gamma_2) + \gamma_1 \end{bmatrix} \sum_{a \in \mathcal{A}} F^{\text{TiTv}}(a) + \left[\frac{9}{8}(\gamma_0 + \gamma_2) + 2\gamma_1 \right] \sum_{a \in \mathcal{A}} G^{\text{TiTv}}(a) \\ + \sum_{a \in \mathcal{A}} \left([\gamma_0 + \gamma_2 + 2\gamma_1] F^{\text{TiTv}}(a) + \left[\frac{3}{2}(\gamma_0 + \gamma_2) + 2\gamma_1 \right] G^{\text{TiTv}}(a) \right)^2 $ where $F^{\text{TiTv}}(a) = (1 - f_a)^3 f_a + f_a^3 (1 - f_a)$ and $G^{\text{TiTv}}(a) = (1 - f_a)^2 f_a^2$