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