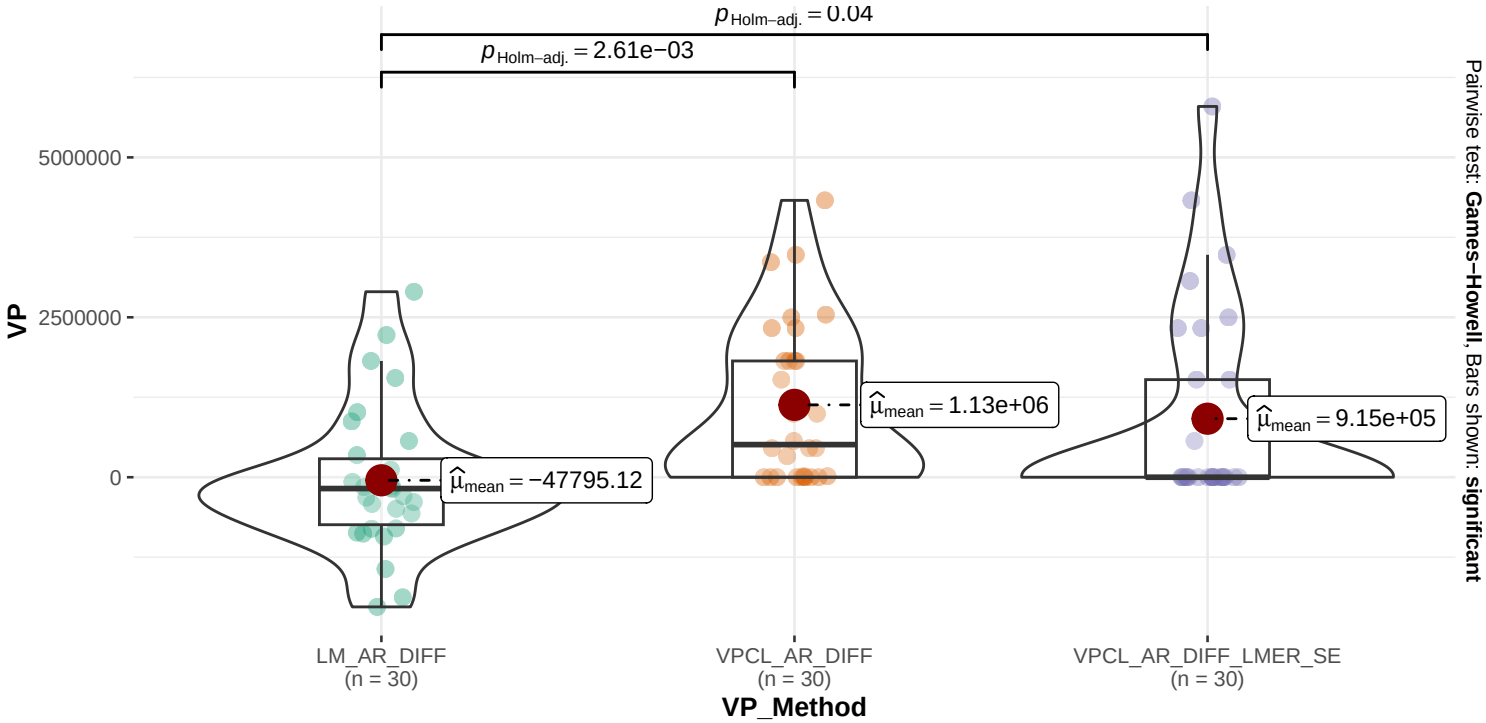
Comparison of LM, VIPCAL and VIPCAL_SE

Population: c_Viruses

Welch test: LM vs VIPCAL vs VIPCAL_SE

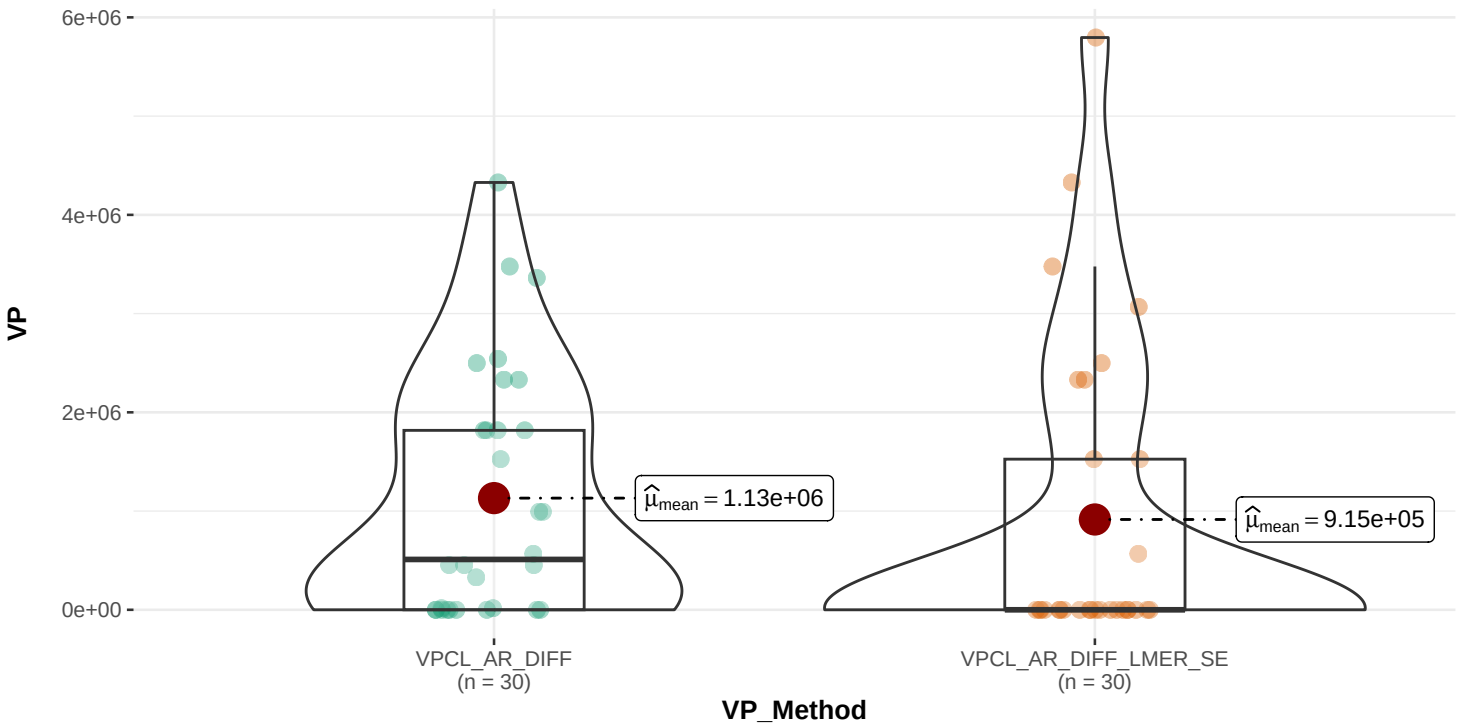
$F_{\text{Welch}}(2, 57) = 8.26$, $p = 7.08\text{e}{-04}$, $\widehat{\omega^2_p} = 0.19$, $\text{CI}_{95\%}$ [0.05, 1.00], $n_{\text{obs}} = 90$



$\log_e(\text{BF}_{01}) = -2.75$, $\widehat{R^2}^{\text{posterior}}_{\text{Bayesian}} = 0.11$, $\text{CI}^{\text{HDI}}_{95\%}$ [0.00, 0.22], $r^{\text{JZS}}_{\text{Cauchy}} = 0.71$

Welch test: VIPCAL vs VIPCAL_SE

$t_{\text{Welch}}(55.47) = 0.59$, $p = 0.56$, $\widehat{g}_{\text{Hedges}} = 0.15$, $\text{CI}_{95\%}$ [−0.35, 0.65], $n_{\text{obs}} = 60$



$\log_e(\text{BF}_{01}) = 1.19$, $\hat{\delta}^{\text{posterior}}_{\text{difference}} = 1.74\text{e}{+05}$, $\text{CI}^{\text{ETI}}_{95\%}$ [−4.96e+05, 8.31e+05], $r^{\text{JZS}}_{\text{Cauchy}} = 0.71$