

Supplementary Data S1. Unadjusted and adjusted linear regression models used to estimate the change in Vesikari score

A linear regression model ($Vesikari\ score = \beta_0 + \beta_1 * [post\ Rotarix^{\circledR}-unvaccinated] + \beta_2 * [post\ RV2-vaccinated] + \epsilon$) was used to estimate the change in Vesikari score that could be associated with receipt of Rotarix[®] and Rotarix[®] vaccine period. This model was adjusted for the Mid-Upper Arm Circumference (MUAC), age, weight, gender and receipt of the Bacillus Calmette–Guérin (BCG), Pneumococcal Conjugate Vaccine (PCV), Oral Polio Vaccine (OPV) and Pentavalent (diphtheria, pertussis, tetanus, and hepatitis B and *Haemophilus influenzae* type b) EPI vaccines. Both unadjusted and adjusted linear regression analysis were used to estimate Vesikari scores by considering G genotypes separately, P genotypes separately and combined G and P genotypes (Supplementally Data 1). For instance, the following unadjusted model was used to estimate effects of combined G & P genotypes: $Vesikari = \beta_0 + \beta_1 * [post\ Rotarix^{\circledR}-unvaccinated] + \beta_2 * [post\ RV2-vaccinated] + \beta_3 [genotype\ G2P[4]] + \beta_4 [genotype\ G2P[6]] + \beta_5 [genotype\ G12P[6]] + \beta_6 [genotype\ G12P[8]] + \beta_7 [post\ Rotarix^{\circledR}-unvaccinated * genotype\ G2P[4]] + \beta_8 [post\ Rotarix^{\circledR}-unvaccinated * genotype\ G2P[6]] + \beta_9 [post\ Rotarix^{\circledR}-unvaccinated * genotype\ G12P[6]] + \beta_{10} [post\ Rotarix^{\circledR}-unvaccinated * genotype\ G12P[8]] + \beta_{11} [post\ Rotarix^{\circledR}-vaccinated * genotype\ G2P[4]] + \beta_{12} [post\ Rotarix^{\circledR}-vaccinated * genotype\ G2P[6]] + \beta_{13} [post\ Rotarix^{\circledR}-vaccinated * genotype\ G12P[6]] + \beta_{14} [post\ Rotarix^{\circledR}-vaccinated * genotype\ G12P[8]] + \epsilon$. Residuals were computed for the purpose of model diagnostics: homoscedasticity and normality of residuals, linearity of the relationship between the independent and dependent variables.