S2 Figure 2. Quantile-quantile (Q-Q) plots for all four individual hernia analyses. A: Inguinal hernia analysis. B: Femoral hernia analysis. C: Umbilical hernia analysis. D: Hiatus hernia analysis. The $\lambda_{\text{GC}}$ demonstrated nominal inflation levels across the four association analyses, ranging from 1.00-1.20 ($\lambda_{\text{GC}}$-femoral: 1.00; $\lambda_{\text{GC}}$-umbilical: 1.05; $\lambda_{\text{GC}}$-inguinal: 1.15; $\lambda_{\text{GC}}$-hiatus: 1.20), however the LDSC intercept range of 1.00-1.03 (Femoral: 1.00; Umbilical: 1.01; Inguinal: 1.02; Hiatus: 1.03) and an attenuation ratio of 0.08-0.19 (Umbilical: 0.08; Inguinal:0.11; Hiatus: 0.13; Femoral: 0.19) is fully in keeping with the effects of polygenicity and large sample size.