

Supplementary Table 2. Domains and grades of CSI score

Domain	Level A grade	Level B grade	Level C grade
Confounding risk	No apparent confounding (or possible confounding properly adjusted for) AND no indication of population stratification	Some degree of confounding possible/probable OR study performed in obviously admixed population	Detectable levels of confounding OR indication of strong stratification
Selection bias risk	Controls drawn from general population AND satisfy Hardy-Weinberg equilibrium (HWE)	Controls drawn from structured sampling frame (hospital, clinic or health care programme-based) AND in HWE	No description on controls recruitment OR controls fail HWE
Information bias risk	<u>I1</u> : Cases status verified by highly specific molecular methods (antigen test, PCR) <u>I2</u> : Controls status verified by highly specific molecular methods (antigen test, PCR) <u>I3</u> : Favourable genotyping quality control estimates given, subset or total dataset replicated	<u>I1</u> : Cases status established on the basis of guidelines, clinical status, or less specific methods (isolation, smears and microbiological cultures) <u>I2</u> : Controls status inferred from medical records only (no history of disease) <u>I3</u> : Partial genotyping quality control results	<u>I1</u> : No clear case definition provided <u>I2</u> : No description of disease status in controls (“healthy” controls) <u>I3</u> : No indication of genotyping reproducibility