

Scalable and robust SARS-CoV-2 testing in an academic centre

The Crick COVID-19 Consortium:

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Study supervision:

Gamblin S, Gandhi S, Nastouli E & Swanton C

Sample access:

Churchward L, Heaney J, Houlihan CF, Levi M, Nastouli E, Turner JMA & Wong WK

Sample receipt, registration and virus inactivation in containment level 3:

Caidan S, Jones L & Walker PA

RNA extraction either design/setup or performing work:

Clark G, Crawford M, Cubitt L, Dearing V, Edwards A, Fidanis, E, Goldstone R, Greco M, Hubank M, Hughes D, Jackson D, MacRae J, Nicod J & Ward S

RT-PCR optimisation or performing work:

Howell M, Instrell R, Jiang M, Lu WT, Song OR & Wu M

Assay verification:

Beale R, Ekin, C, Gandhi S, Grant PR, Kirk, S, Levett, A, Levett, L, Matthews J, Nastouli E, Pabari A, Shin G Y, Swanton C & Turner M

Interpretation of data:

Beale R, Biswas D, Gamblin S, Gandhi S, Grant PR, Howell M, Hubank M, Kanu N, Levett A, Levett L, Lu WT, MacRae J, Moore D, Nastouli E, Nicod J, Olsen J & Swanton C

Result Reporting:

Kirk S, Moore D & Olsen J

Creation of new software used in the study:

Aitken J, Ambrose K, Ekin, C, Goldman J, Goldstone R, Hindmarsh S, Nightingale L, Pollitt M & Strange A

Infrastructure, Procurement and administration:

Barrell S, Byrne R, Gaiba A, Gamblin S, Johnson M, Pabari A, Peat N, Rowan A, Snell DM & Turner JMA

Buffer preparation:

Bineva-Todd G, Kjaer S, O'Reilly N, Patel N & Roustan C

Quality Control, Quality Assurance and Standard Operating Procedures:

Gandhi S, Hubank M, Jamal-Hanjani M, Kanu N, Moore C & Moore D

Research and Development:

Cherepanov P, Earl C, Kassiotis, G, Kjaer S, McCoy L, Papayannopoulos V, Ratcliffe P, Reis e Sousa C, Rosa A, Rosenthal R, Roustan C, Snell DM, Spyer M, Wack A, Walker PA, & Wright J

All co-authors were involved in design, set up and performing the work