

| Row | Figure  | $y$        | $x_1$                 | $x_2$                 | $x_3$     | $x_4$     | $R^2$               | $\beta_1$           | $\beta_2$             | $\beta_3$            | $\beta_4$           | Intercept           |
|-----|---------|------------|-----------------------|-----------------------|-----------|-----------|---------------------|---------------------|-----------------------|----------------------|---------------------|---------------------|
| 1   | Fig. 1a | $\ln(N_d)$ | $\ln(\text{CCN})$     | –                     | –         | –         | 0.73<br>(0.50–0.89) | 0.45<br>(0.31–0.60) | –                     | –                    | –                   | 3.08<br>(2.26–3.86) |
| 2   | Fig. 1b | $\ln(N_d)$ | $\ln(\text{CCN})$     | –                     | –         | –         | 0.32<br>(0.01–0.74) | 0.16<br>(0.02–0.30) | –                     | –                    | –                   | 4.54<br>(3.67–5.39) |
| 3   | Fig. 2a | $N_d$      | BC<br>SO <sub>4</sub> | AC<br>SO <sub>4</sub> | BC<br>rBC | AC<br>rBC | 0.70<br>(0.51–0.85) | 76<br>(47–109)      | –47<br>(–111–2)       | 0.82<br>(–0.18–2.33) | 0.24<br>(0.00–0.48) | 115<br>(77–156)     |
| 4   | Fig. 2b | $N_d$      | BC<br>SO <sub>4</sub> | AC<br>SO <sub>4</sub> | –         | –         | 0.52<br>(0.26–0.74) | 74<br>(55–99)       | 5<br>(–14–25)         | –                    | –                   | 143<br>(95–196)     |
| 5   | Fig. 2c | $N_d$      | BC<br>rBC             | AC<br>rBC             | –         | –         | 0.38<br>(0.12–0.63) | 2.10<br>(0.78–3.76) | –0.08<br>(–0.41–0.19) | –                    | –                   | 184<br>(141–226)    |
| 6   | Fig. 2d | $N_d$      | BC<br>SO <sub>4</sub> | BC<br>rBC             | –         | –         | 0.61<br>(0.40–0.79) | 63<br>(34–94)       | 0.86<br>(0.05–1.80)   | –                    | –                   | 121<br>(81–162)     |
| 7   | Fig. 2e | $N_d$      | AC<br>SO <sub>4</sub> | AC<br>rBC             | –         | –         | 0.16<br>(0.03–0.36) | 35<br>(–16–99)      | 0.03<br>(–0.23–0.34)  | –                    | –                   | 216<br>(171–260)    |