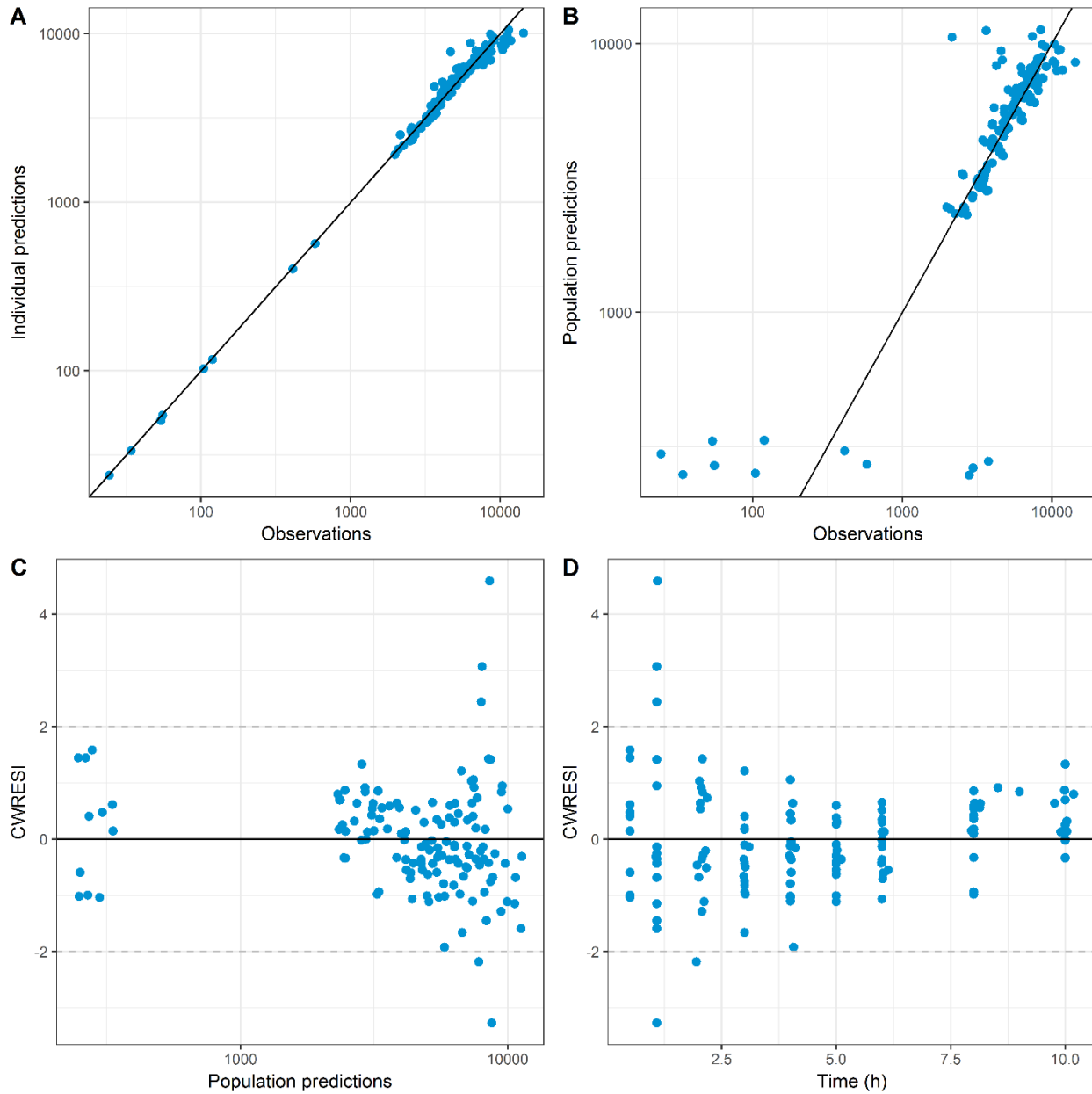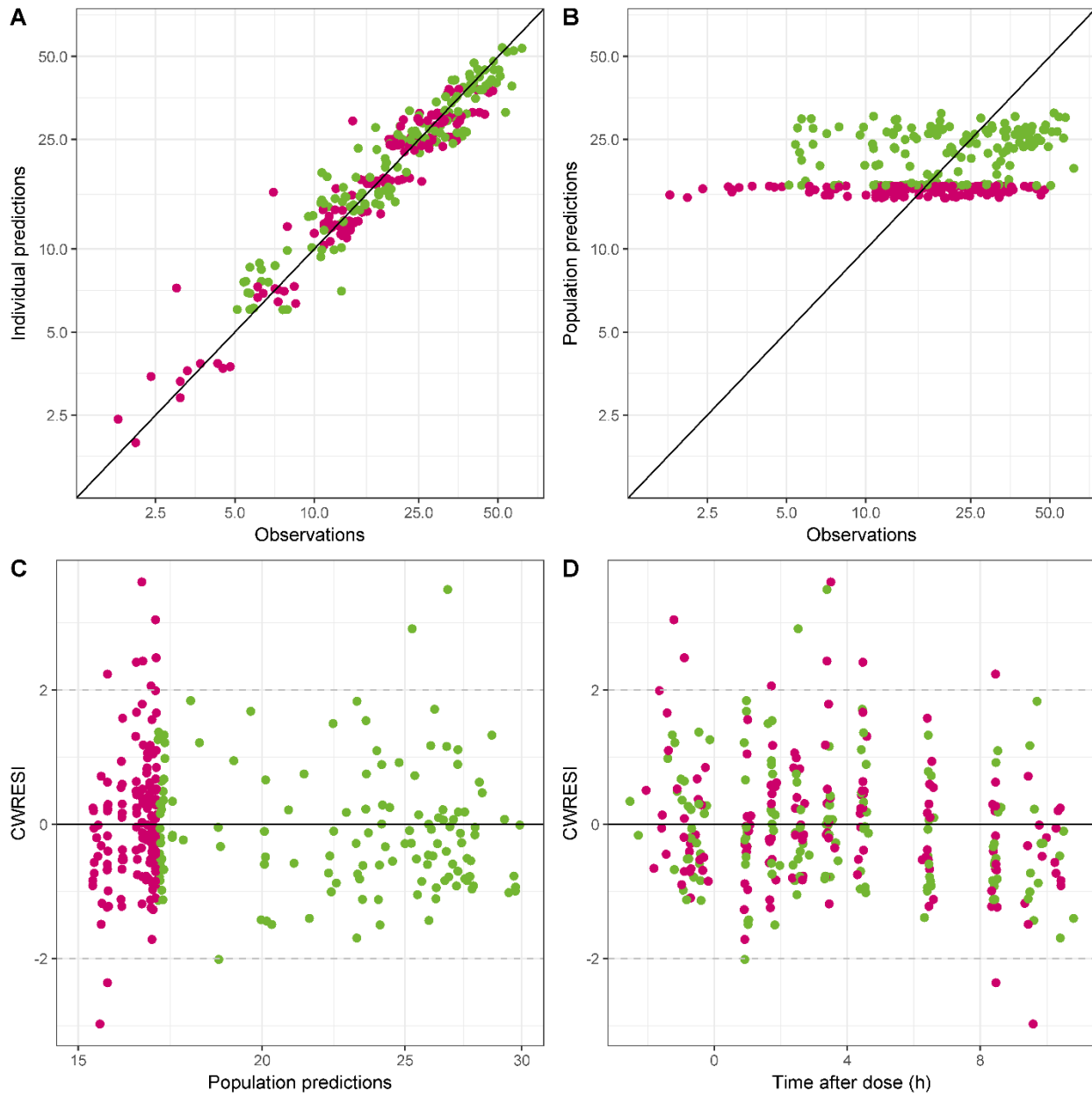# Supplementary Appendix 1 – Goodness of fit

Pharmacokinetics

Individual model predictions vs observations (A), population predictions vs observations (B) CWRESI vs population predictions (C) and CWRESI vs time after dose (D). CWRESI = conditional weighted residuals with interaction, black solid line = line of unity, grey dashed line = [-2, 2] interval.
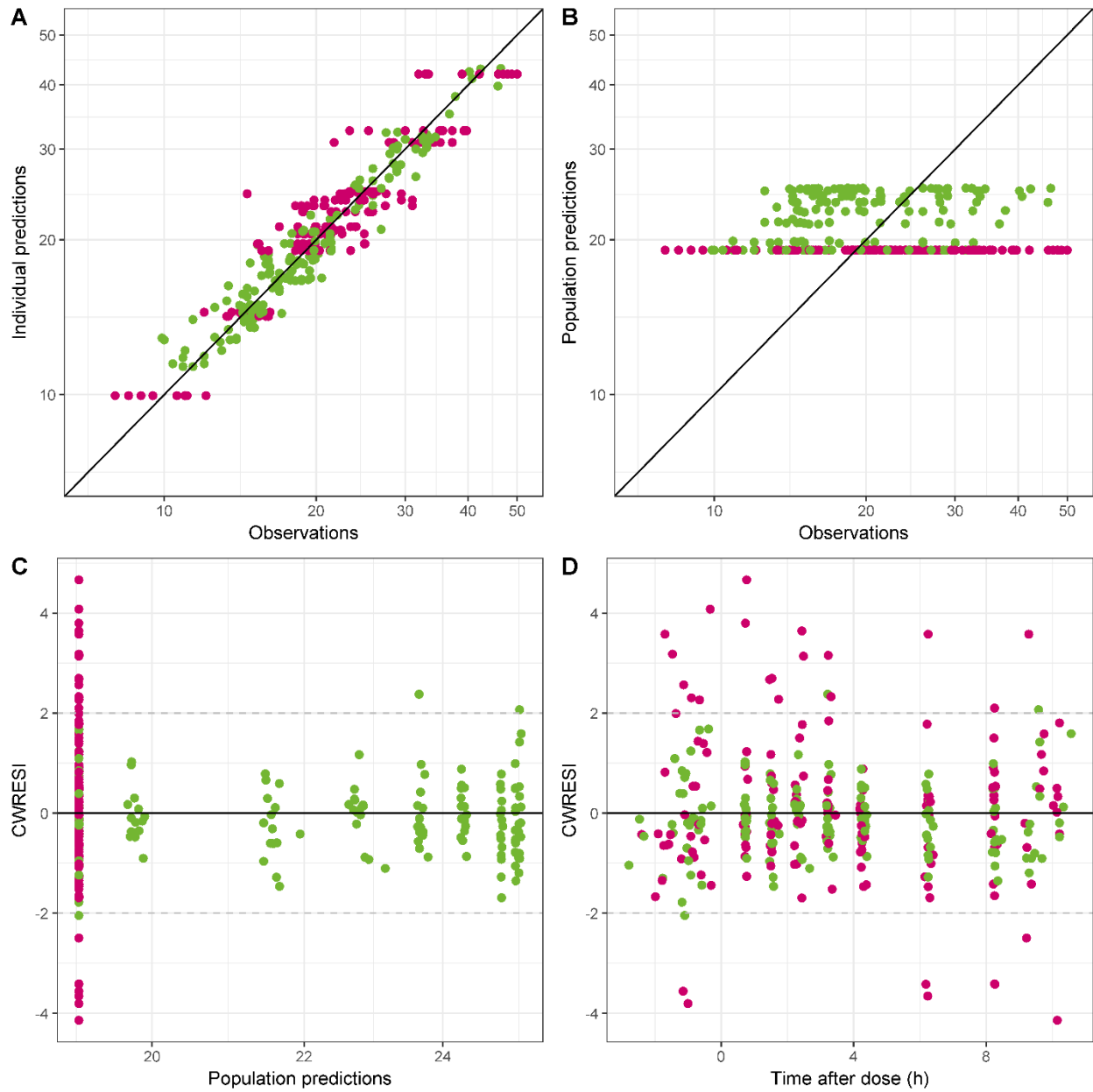
Cold pressor PTT

Individual model predictions vs observations (A), population predictions vs observations (B) CWRESI vs population predictions (C) and CWRESI vs time after dose (D). Green dots = pregabalin visit measurements, purple dots = placebo visit measurements, CWRESI = conditional weighted residuals with interaction, black solid line = line of unity, grey dashed line = [-2, 2] interval.

Electrical stimulation PTT

Individual model predictions vs observations (A), population predictions vs observations (B) CWRESI vs population predictions (C) and CWRESI vs time after dose (D). Green dots = pregabalin visit measurements, purple dots = placebo visit measurements, CWRESI = conditional weighted residuals with interaction, black solid line = line of unity, grey dashed line = [-2, 2] interval.