The Life History Model of Psychopathology Explains the Structure of Psychiatric Disorders and the Emergence of the p Factor

Supplementary Figures

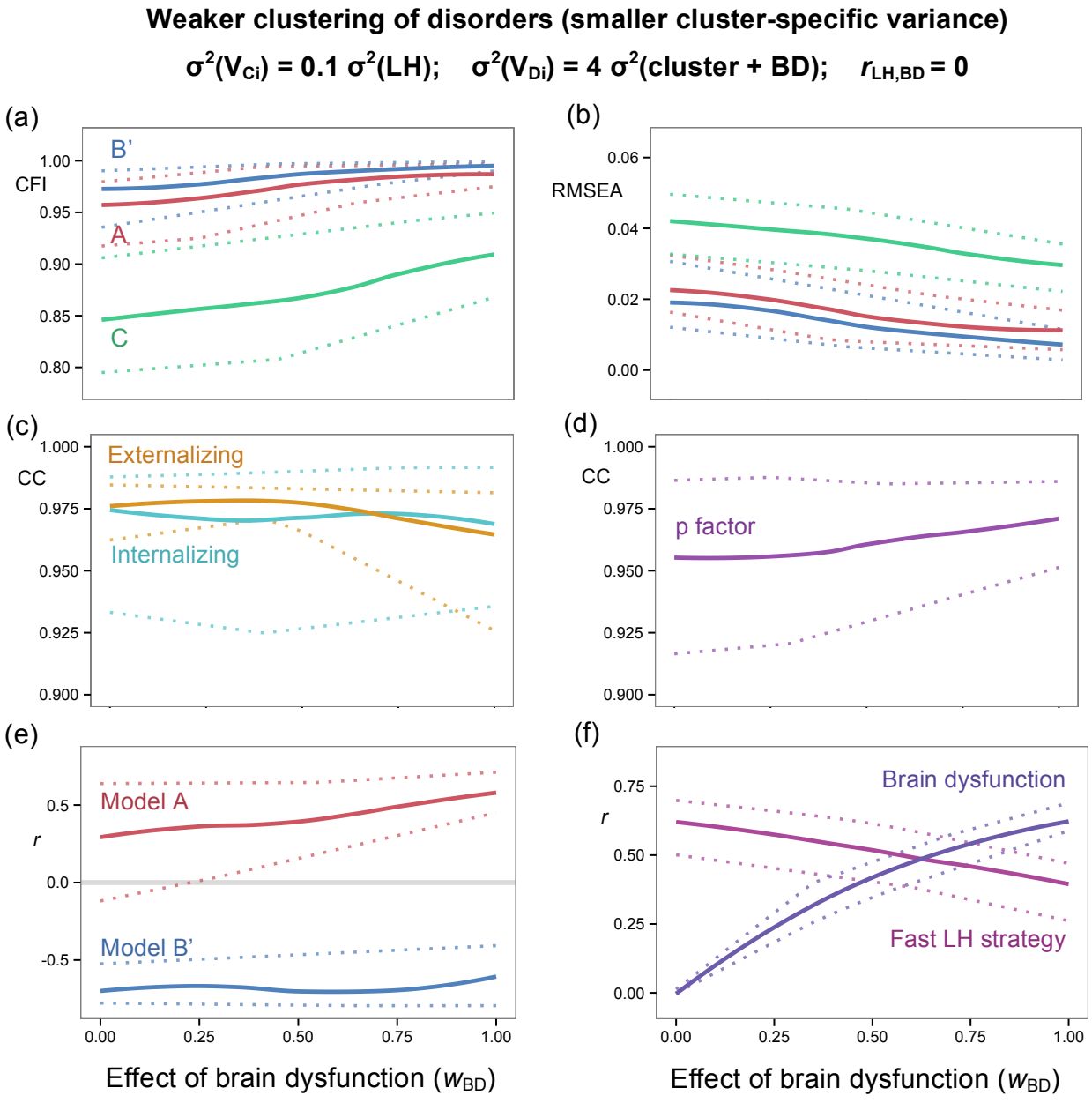

Figure S1. Simulation results with cluster-specific variance equal to 10% the variance associated with life history strategy and $r_{LH,BD} = 0$. (a,b) Fit indices of the three factor models in the simulated datasets. (c,d) Factor congruence for the hierarchical/bifactor model (B') in the simulated and empirical data. (e) Correlation between the externalizing an internalizing factor in the simulated datasets for the correlated factors model (model A) and the hierarchical/bifactor model (model B'). (f) Correlations between p factor scores, life history strategy, and brain dysfunction in the simulated datasets for the hierarchical/bifactor model. Solid lines show average values; dotted lines show the 5th and 95th percentile. LH = life history.

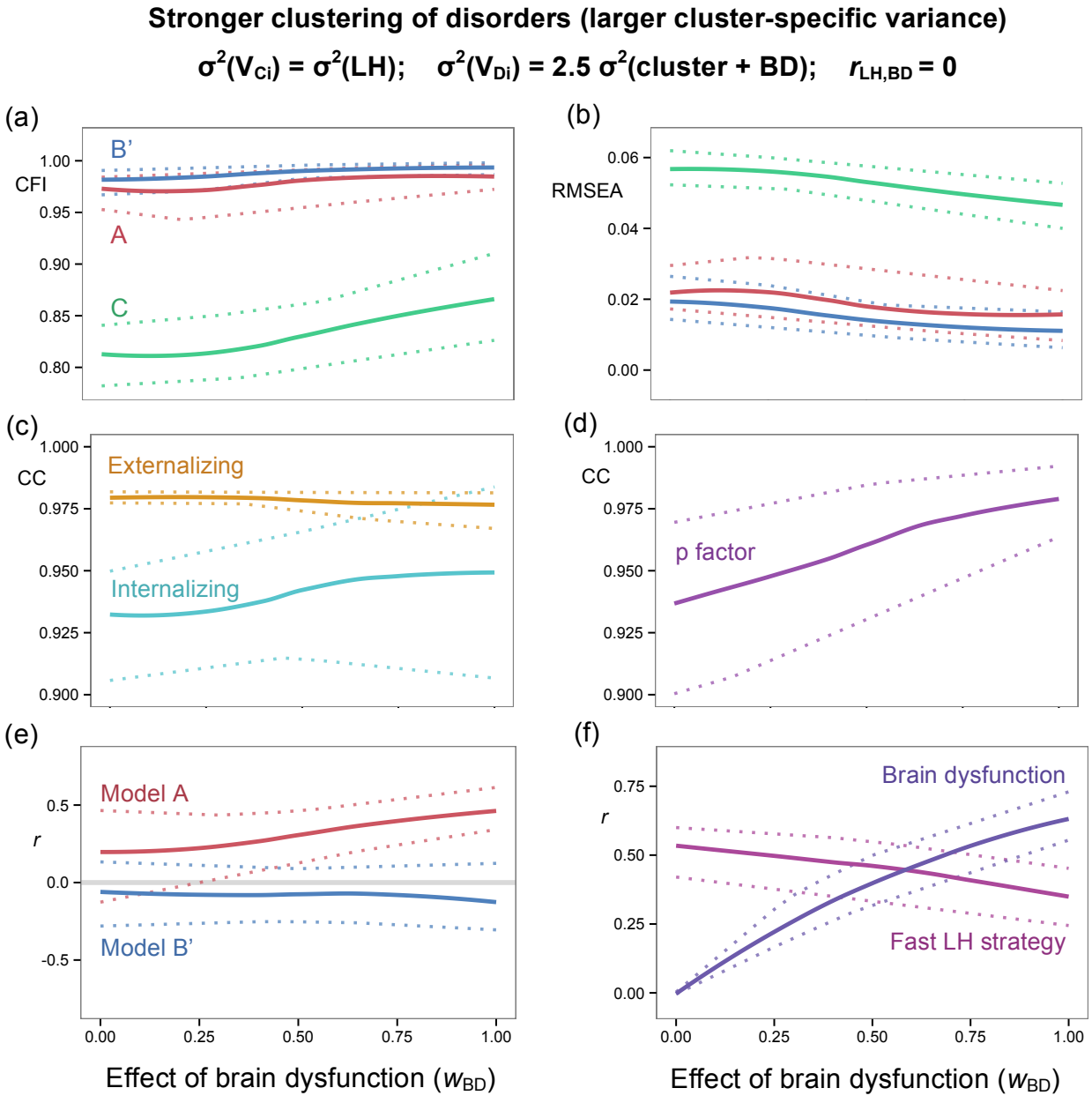

Figure S2. Simulation results with cluster-specific variance equal to the variance associated with life history strategy and $r_{LH,BD}$ = 0. (a,b) Fit indices of the three factor models in the simulated datasets. (c,d) Factor congruence for the hierarchical/bifactor model (B') in the simulated and empirical data. (e) Correlation between the externalizing an internalizing factor in the simulated datasets for the correlated factors model (model A) and the hierarchical/bifactor model (model B'). (f) Correlations between p factor scores, life history strategy, and brain dysfunction in the simulated datasets for the hierarchical/bifactor model. Solid lines show average values; dotted lines show the 5th and 95th percentile. LH = life history.

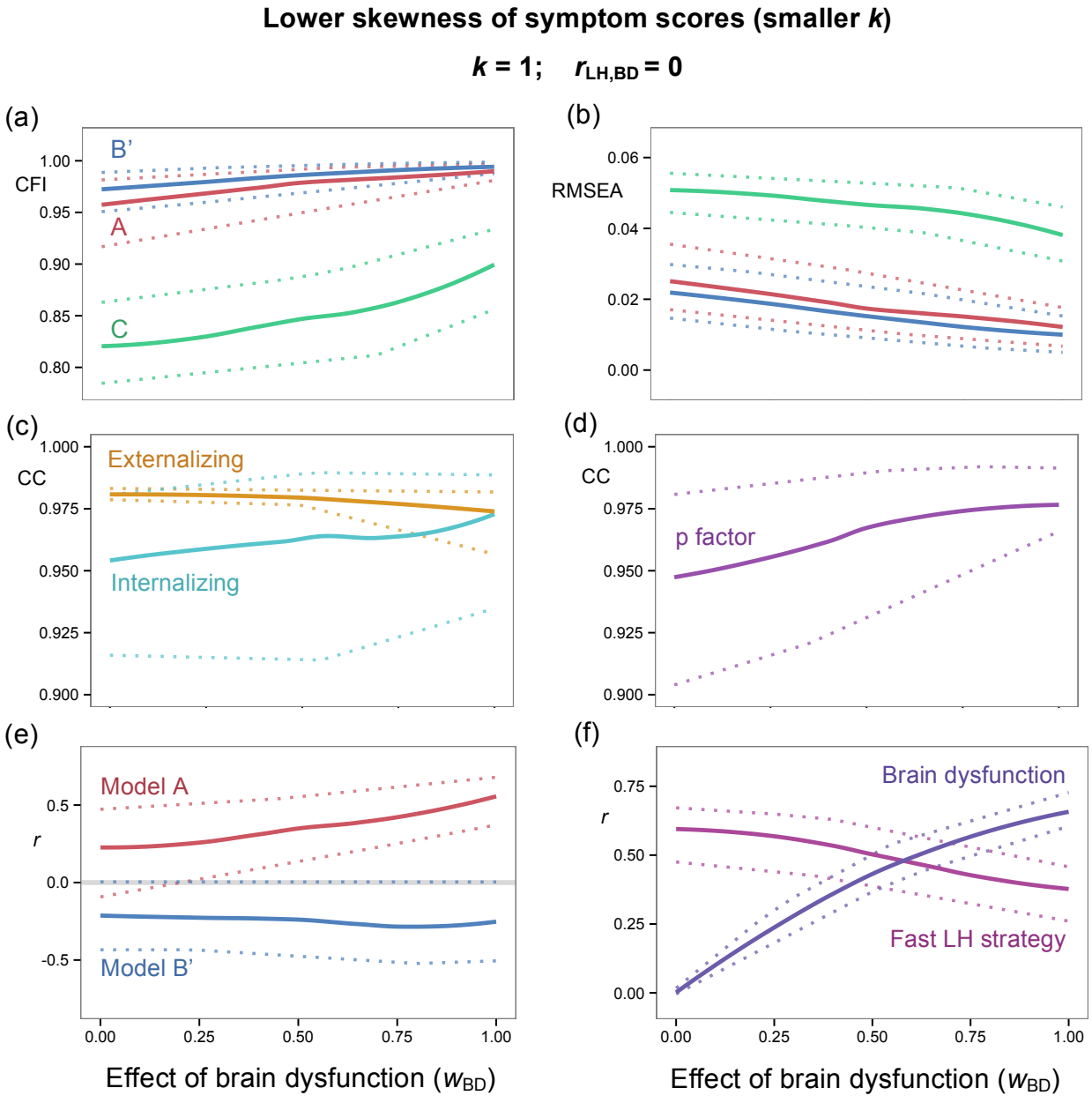

Figure S3. Simulation results with $k = 1$ and $r_{LH,BD} = 0$. (a,b) Fit indices of the three factor models in the simulated datasets. (c,d) Factor congruence for the hierarchical/bifactor model (B') in the simulated and empirical data. (e) Correlation between the externalizing an internalizing factor in the simulated datasets for the correlated factors model (model A) and the hierarchical/bifactor model (model B'). (f) Correlations between p factor scores, life history strategy, and brain dysfunction in the simulated datasets for the hierarchical/bifactor model. Solid lines show average values; dotted lines show the 5th and 95th percentile. LH = life history.

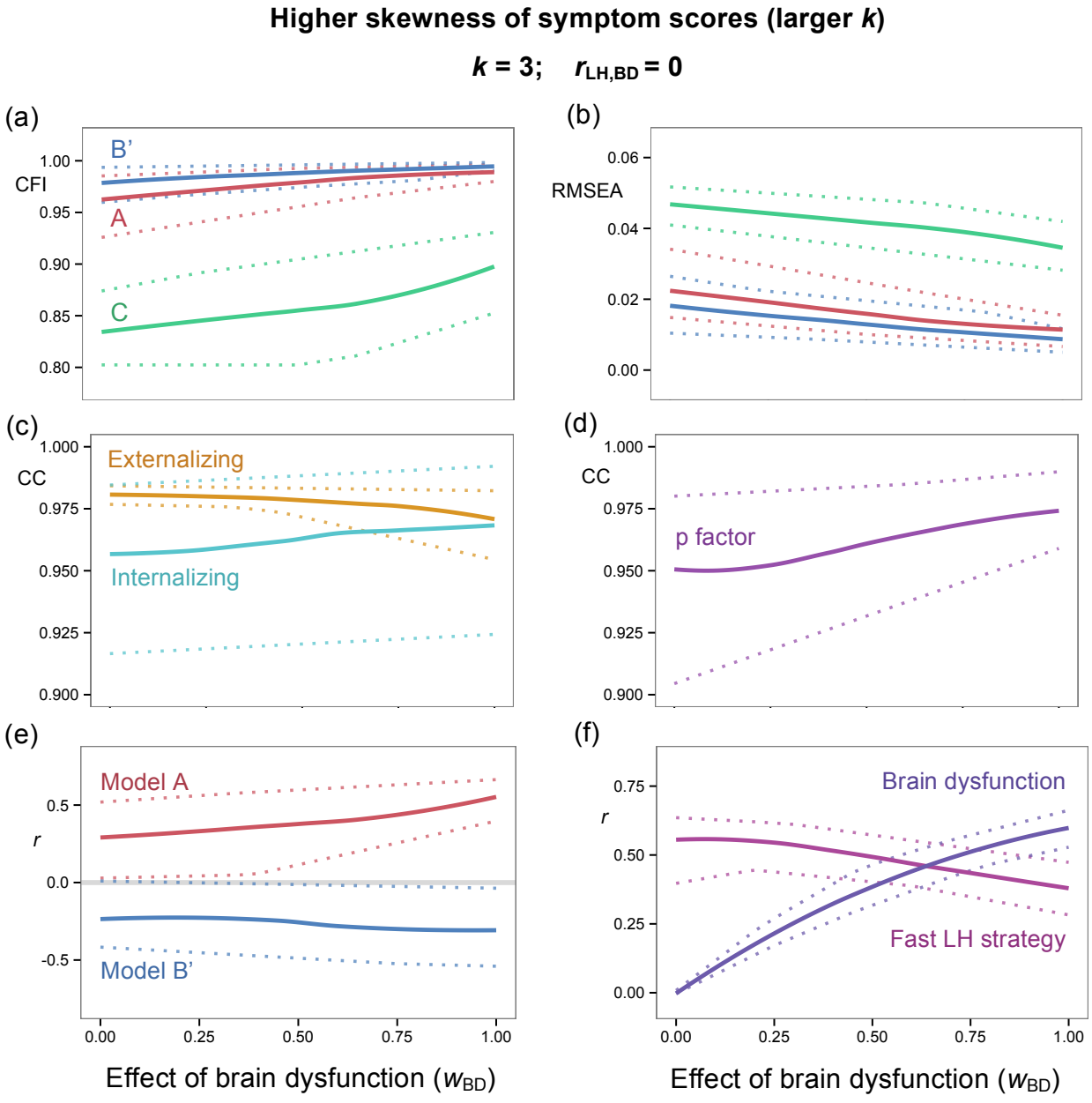

Figure S4. Simulation results with k = 3 and $r_{LH,BD}$ = 0. (a,b) Fit indices of the three factor models in the simulated datasets. (c,d) Factor congruence for the hierarchical/bifactor model (B') in the simulated and empirical data. (e) Correlation between the externalizing an internalizing factor in the simulated datasets for the correlated factors model (model A) and the hierarchical/bifactor model (model B'). (f) Correlations between p factor scores, life history strategy, and brain dysfunction in the simulated datasets for the hierarchical/bifactor model. Solid lines show average values; dotted lines show the 5th and 95th percentile. LH = life history.