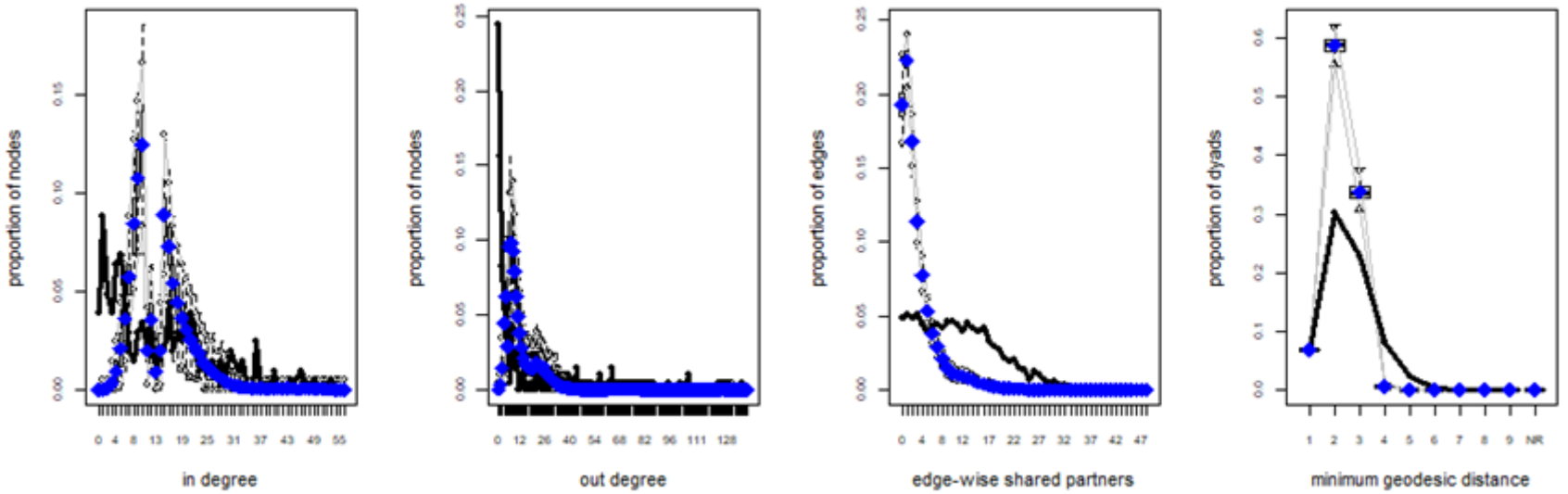
(a) Goodness of fit diagnostic for ERGM-WTN (2009-2013)



(b) Goodness of fit diagnostic for ERGM-WTN (2014-2018)

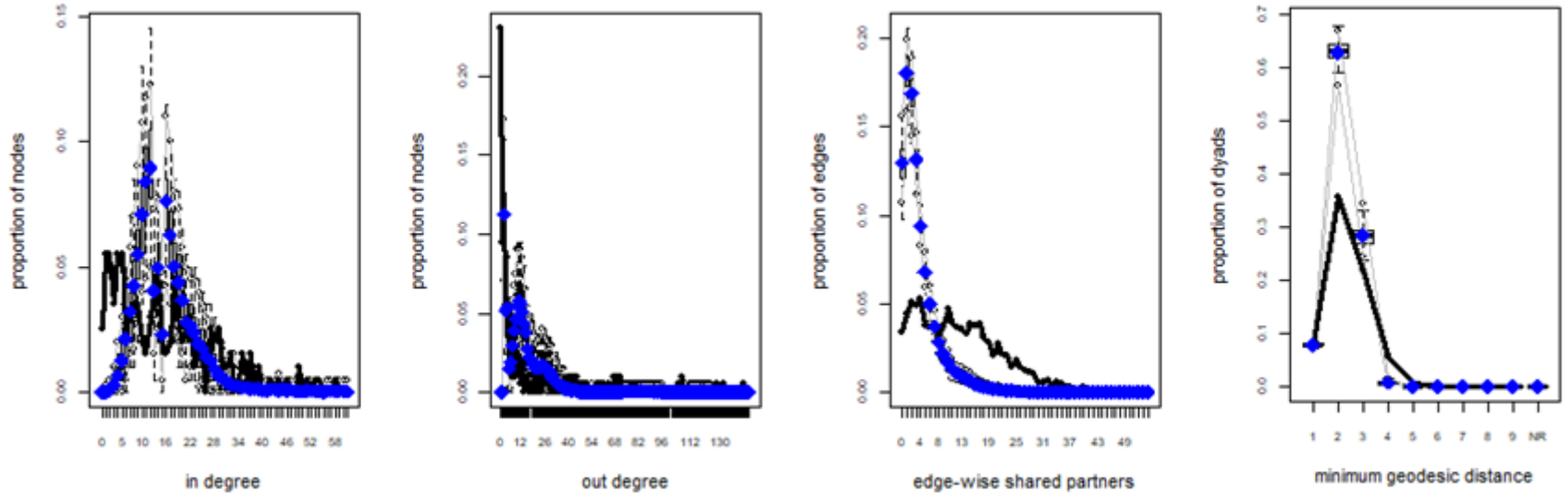


Figure S1. Goodness of fit diagnostics for ERGM-WTN (2009-2013) and ERGM-WTN (2014-2018). (**a**) Goodness of fit diagnostic for ERGM-WTN (2009-2013); (**b**) Goodness of fit diagnostic for ERGM-WTN (2014-2018).

Notes: The solid black lines despict the observed networks statistics from the dataset, the dashed lines depict 95% simulation intervals under the estimated model and the box-and-wiskers indicate the model data obtained from the 100 simulations of the proposed network (the blue dots represent the median).