

Methods on co-authorship network

Node	Author
Edge	Number of publications that two nodes co-authored
Consortium paper	The paper that acknowledged supports from the consortium funds; e.g., the ENCODE papers are the ones claiming that the grants of ENCODE consortium supported their works in the section of Acknowledgments.
Consortium non-member	Authors who have never co-authored in the consortium papers and the papers with corresponding authors from the consortium papers
Consortium member	Authors who are not non-members; i.e., authors who co-authored in at least either one consortium paper or one paper with corresponding authors from the consortium papers
Layout	We used the fruchterman reingold layout to visualize the networks by the R package, 'igraph' (http://igraph.org)
Module	We clustered the network modules using the walktrap community algorithm by the 'igraph' function, walktrap.community()
Modularity	We calculated the network modularity using the 'igraph' function, modularity().
Broker	Authors connecting many non-members to members in the 2014 network (≥ 40 non-members for ENCODE brokers; ≥ 10 for modENCODE brokers)

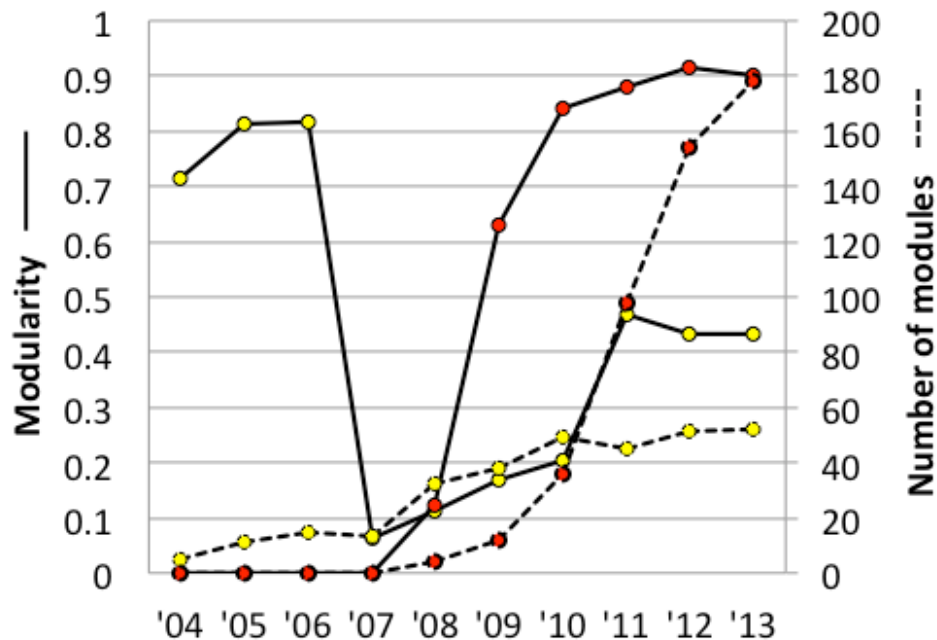


Figure S1 – Temporal co-authorship network modularity and number of modules per year from 2004 to 2013 for a different membership definition from the main figure. Yellow – ENCODE members who coauthored at least one paper funded by

ENCODE; Red – non-members. Though the membership definition is different, it shows the similar modularity dynamics with the main Figure 1B.

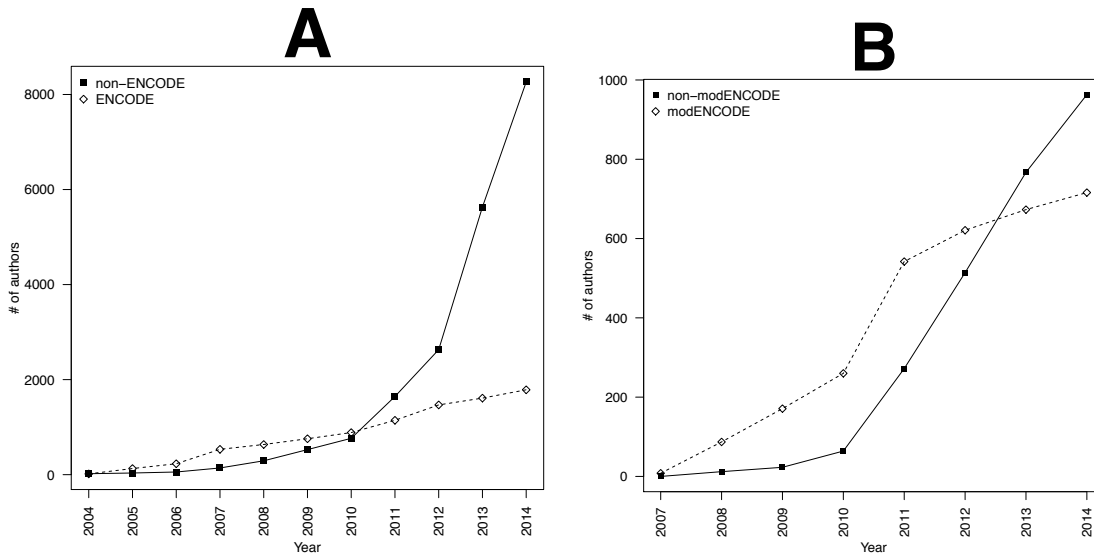


Figure S2 – Numbers of member and non-member authors across years. A) ENCODE consortium; B) modENCODE consortium. The x-axis represents years and the y-axis displays the numbers of member (square) and non-member (diamond) authors at each year.

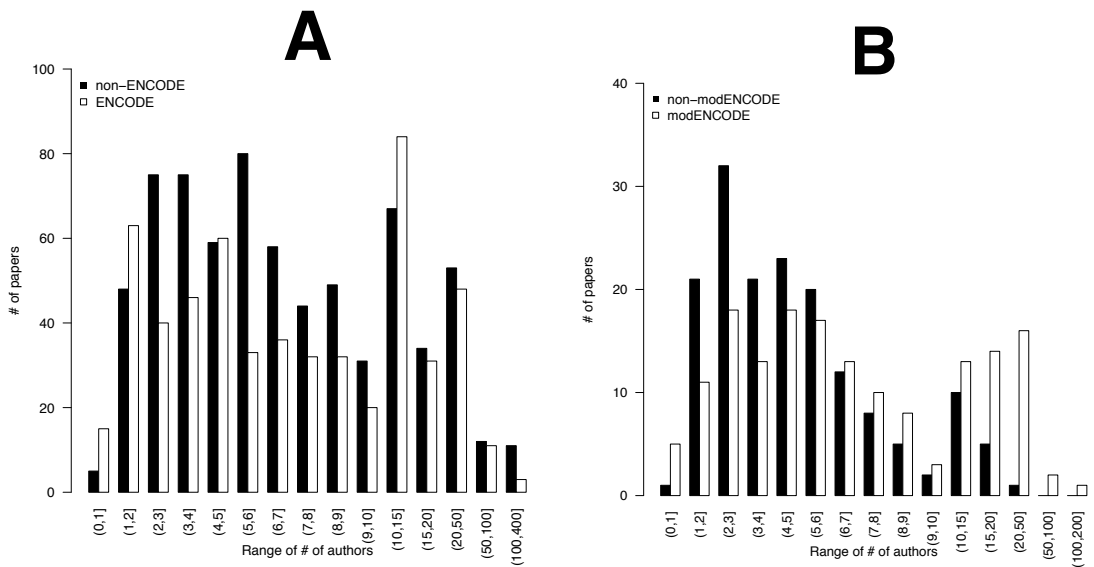


Figure S3 – Paper distribution over author numbers. A) ENCODE consortium; B) modENCODE consortium. The x-axis represents the ranges in terms of numbers of authors per paper and the y-axis displays the numbers of consortium (black) and non-consortium (white) papers.