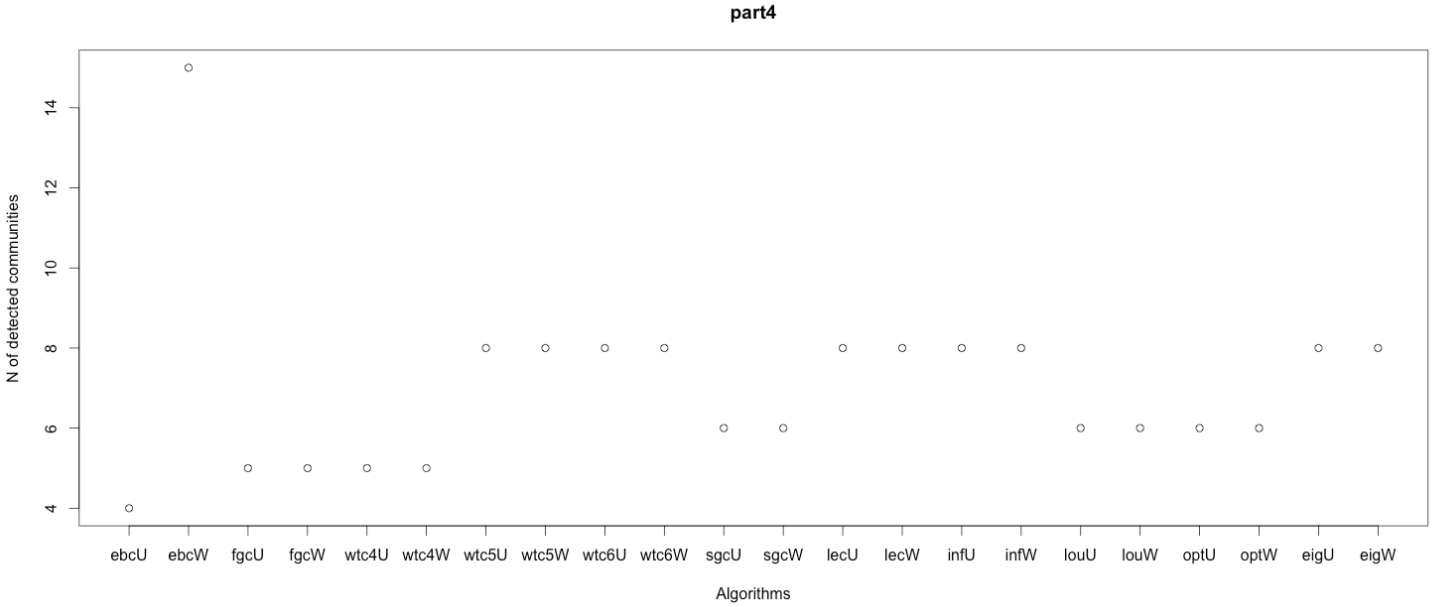
PART 4

CHARACTERS OF PART 4

BA	Bahorel
BB	Babet
BF	Babet's girlfriend
BG	Paris barber
BJ	Brujon
BK	Paris baker
BO	Bossuet
BQ	Basque
BU	Mme Burgon
CM	Combeferre
CO	Cosette
CP	Card player
CR	Courfeyrac
CW	Concierge, Verrerie
DN	Dandy
DR	Drunk coachman
EN	Enjolras
EP	Eponine
FE	Feuilly
GA	Gavroche
GB	Gibolette
GF	Guard, La Force
GI	M. Gillenormand
GL	Poor girl
GN	Gardener
GS	Secondhand dealer
GT	Grantaire
GU	Gueulemer
GV	Government troops
HL	Mme Hucheloup
JA	Javert
JO	Joly
JP	Prouvaire
JV	Jean Valjean
MA	Marius
MG	Mlle Gillenormand
ML	Matelotte
MM	M. Mabeuf
MN	Magnon
MO	Montparnasse
MU	Minister of agriculture
MW	Minister's wife
NA	Navet
OS	Old soldier
PC	Porter, barricade
PL	Mother Plutarch
PS	Porter, r. de l'Ouest
QU	Claquesous
RP	Ragpicker
SI	Sergeant, Imprimérie
TC	Three concierges
TG	Théodule
TH	Thénardier
TM	Mme Thénardier
TS	Toussaint
XA	Older child
XB	Younger child

ALGORITHMS



ebc
edge betweenness (Newman-Girvan)

M Newman and M Girvan: Finding and evaluating community structure in networks, Physical Review E 69, 026113 (2004)

fgc
greedy optimization of modularity

A Clauset, MEJ Newman, C Moore: Finding community structure in very large networks, http://www.arxiv.org/abs/cond-mat/0408187

wtc
short random walks

Pascal Pons, Matthieu Latapy: Computing communities in large networks using random walks, http://arxiv.org/abs/physics/0512106

sgc
spin-glass model and simulated annealing

J. Reichardt and S. Bornholdt: Statistical Mechanics of Community Detection, Phys. Rev. E, 74, 016110 (2006), http://arxiv.org/abs/cond-mat/0603718

inf
infomap

M. Rosvall, D. Axelsson, and C. T. Bergstrom, The map equation, Eur. Phys. J. Special Topics 178, 13 (2009). http://dx.doi.org/10.1140/epjst/e2010-01179-1

lou
multi-level optimization of modularity

Vincent D. Blondel, Jean-Loup Guillaume, Renaud Lambiotte, Etienne Lefebvre: Fast unfolding of communities in large networks. J. Stat. Mech. (2008) P10008

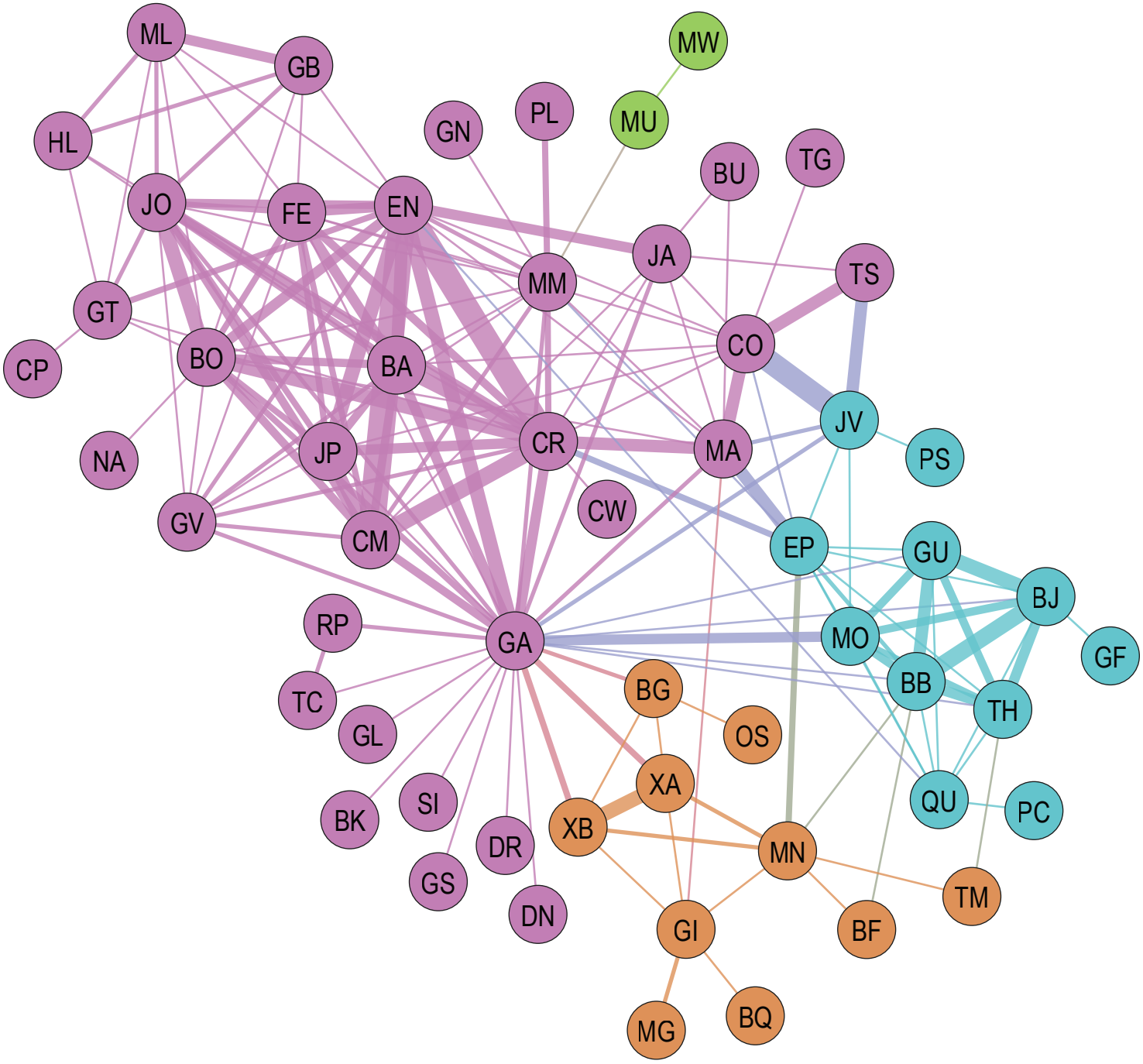
opt
max the modularity measure over all possible partitions

Ulrik Brandes, Daniel Delling, Marco Gaertler, Robert Gorke, Martin Hoefer, Zoran Nikoloski: On Modularity Clustering, IEEE Transactions on Knowledge and Data Engineering 20(2):172-188, 2008.

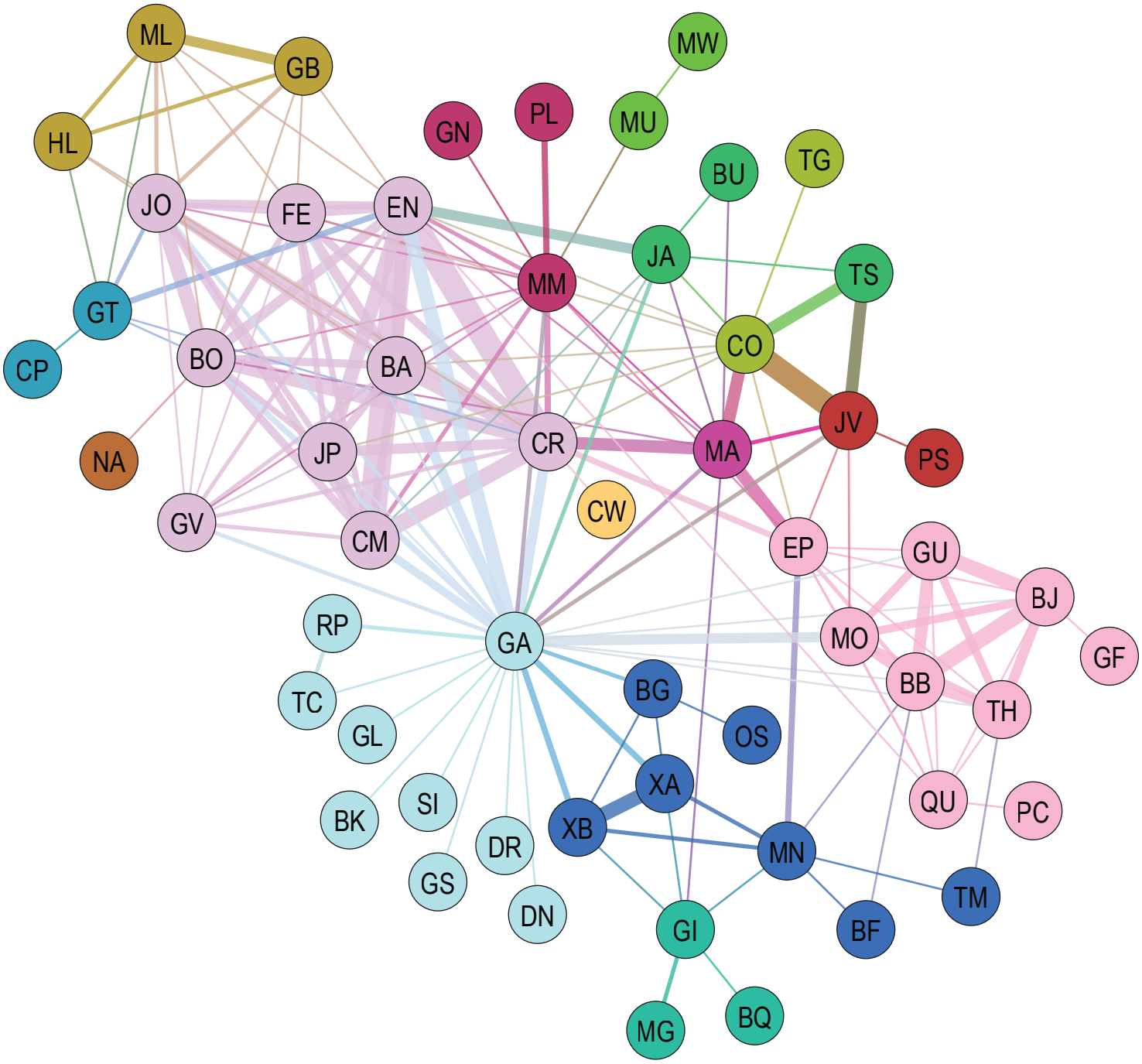
eig
leading eigenvector of the community matrix

MEJ Newman: Finding community structure using the eigenvectors of matrices, Physical Review E 74 036104, 2006.

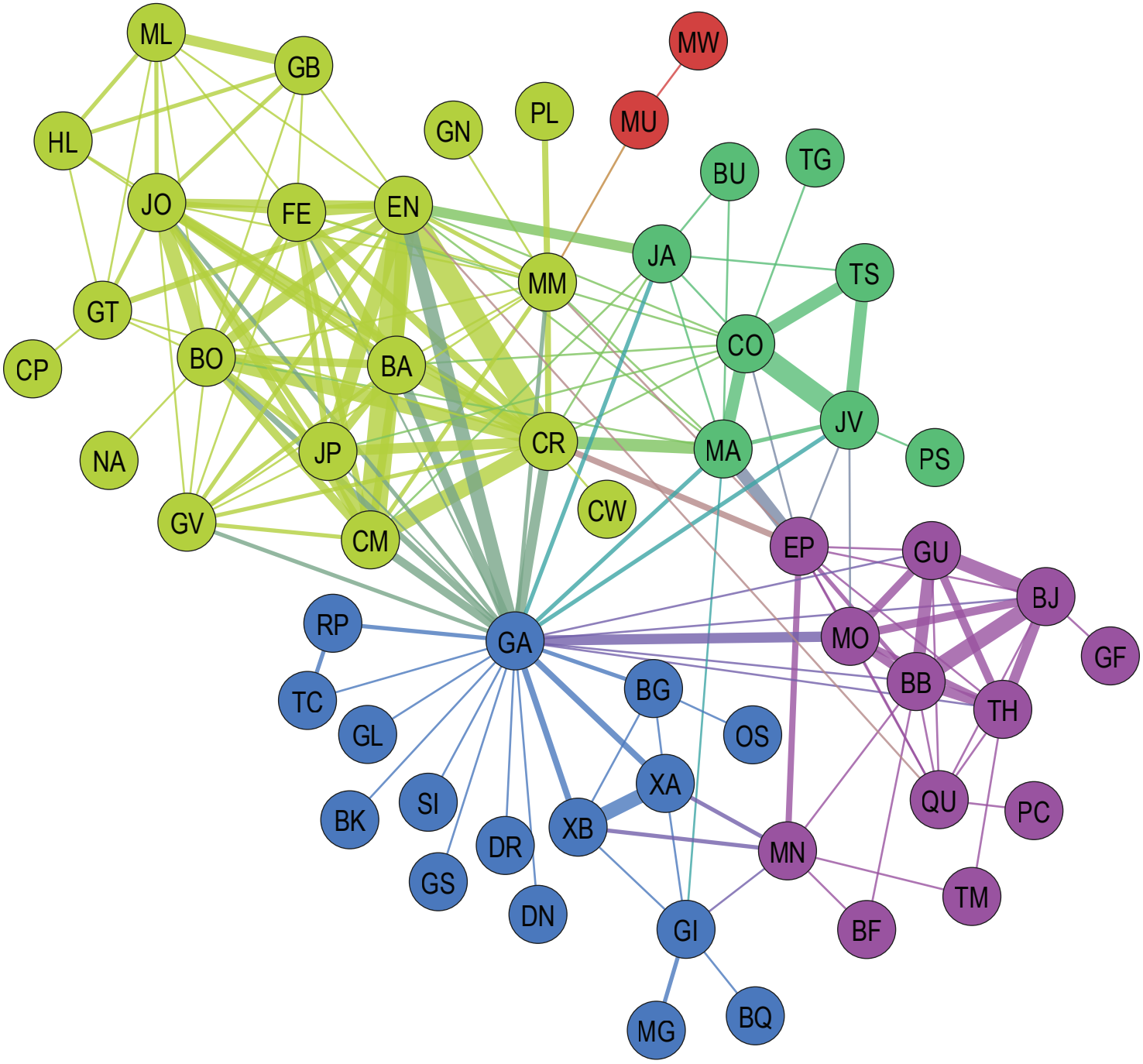
EDGE BETWEENNESS · UNWEIGHTED



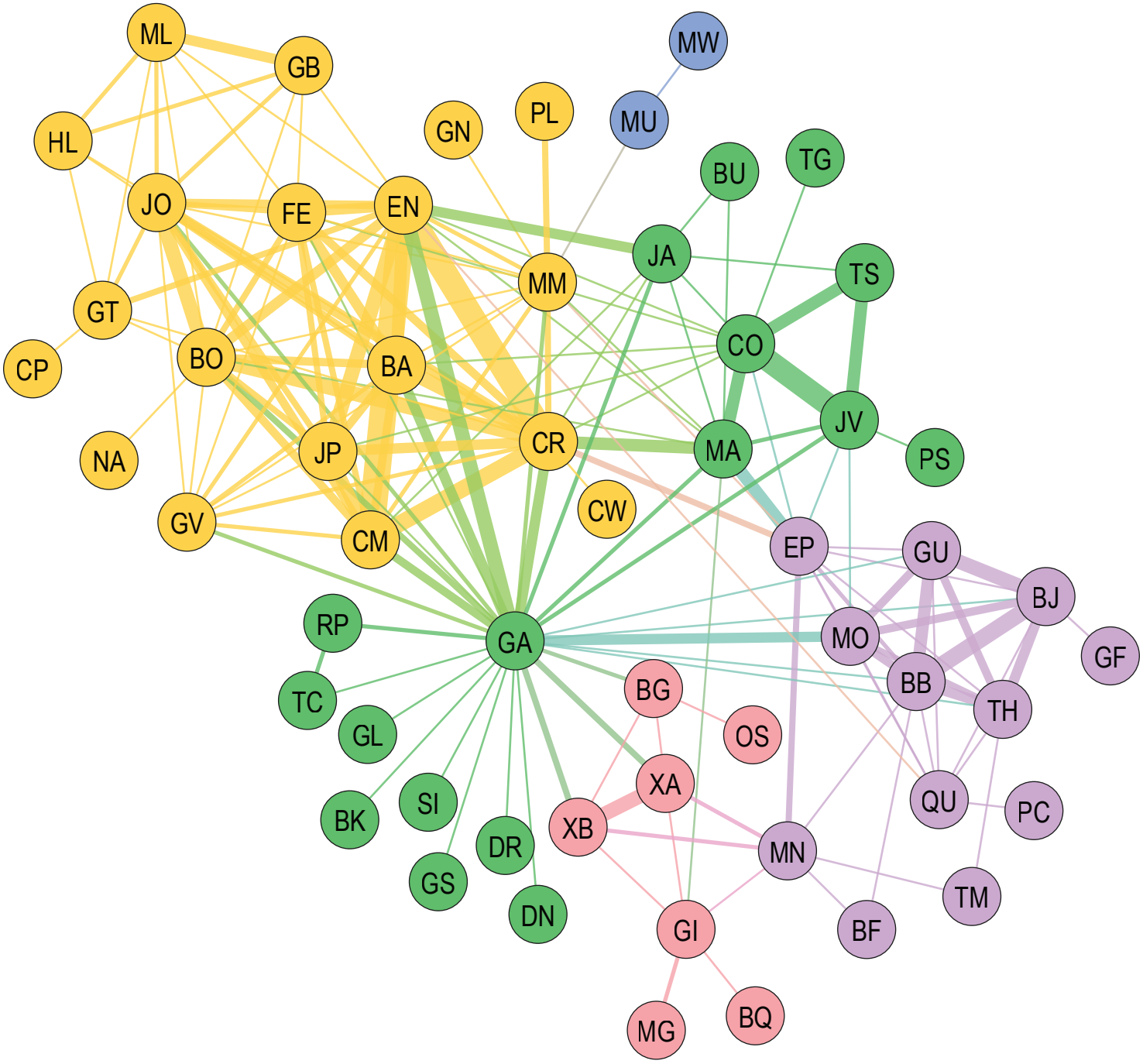
EDGE BETWEENNESS · WEIGHTED



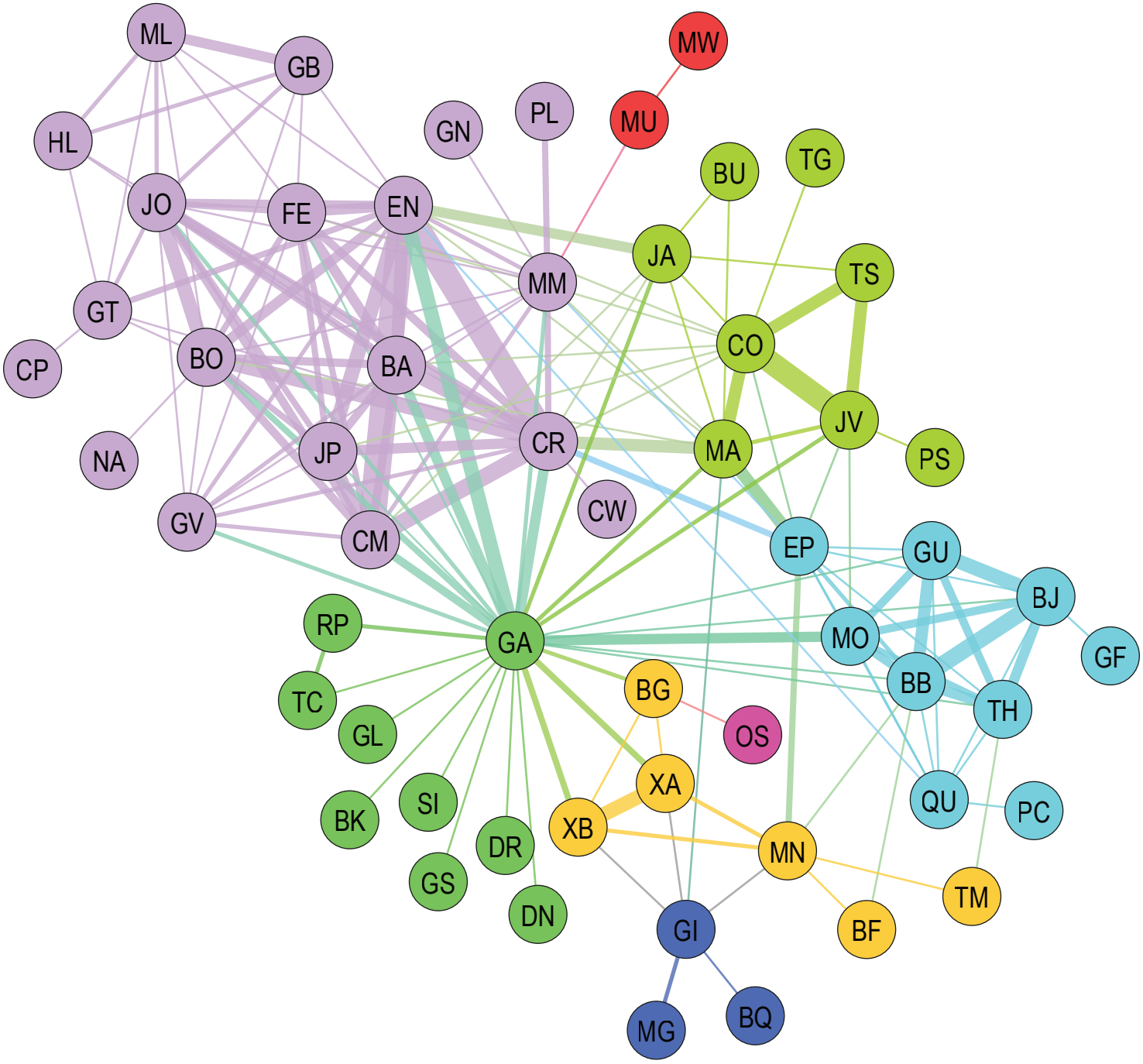
FAST GREEDY · UNWEIGHTED · WEIGHTED



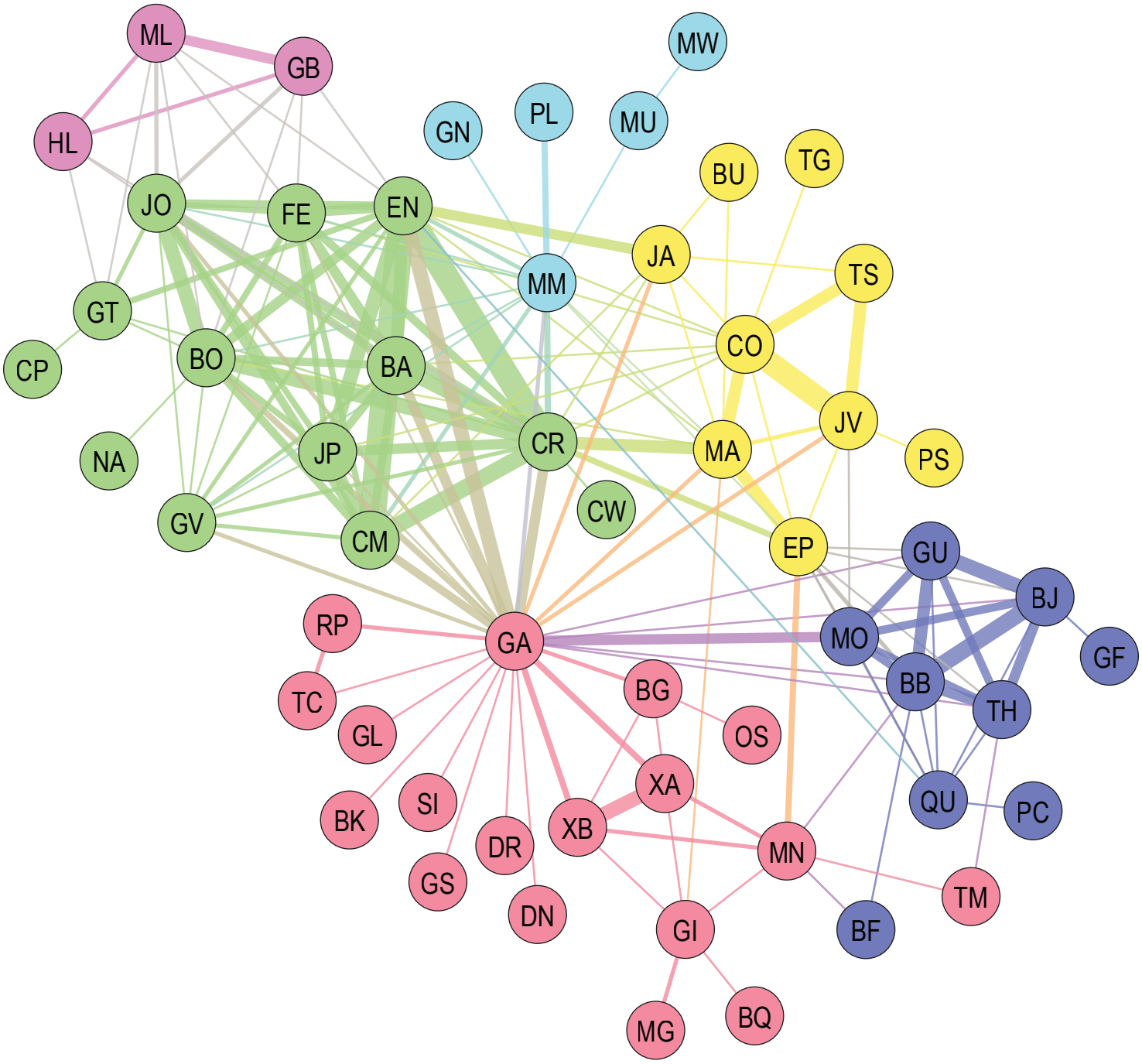
WALK TRAP (4 STEPS) · UNWEIGHTED · WEIGHTED



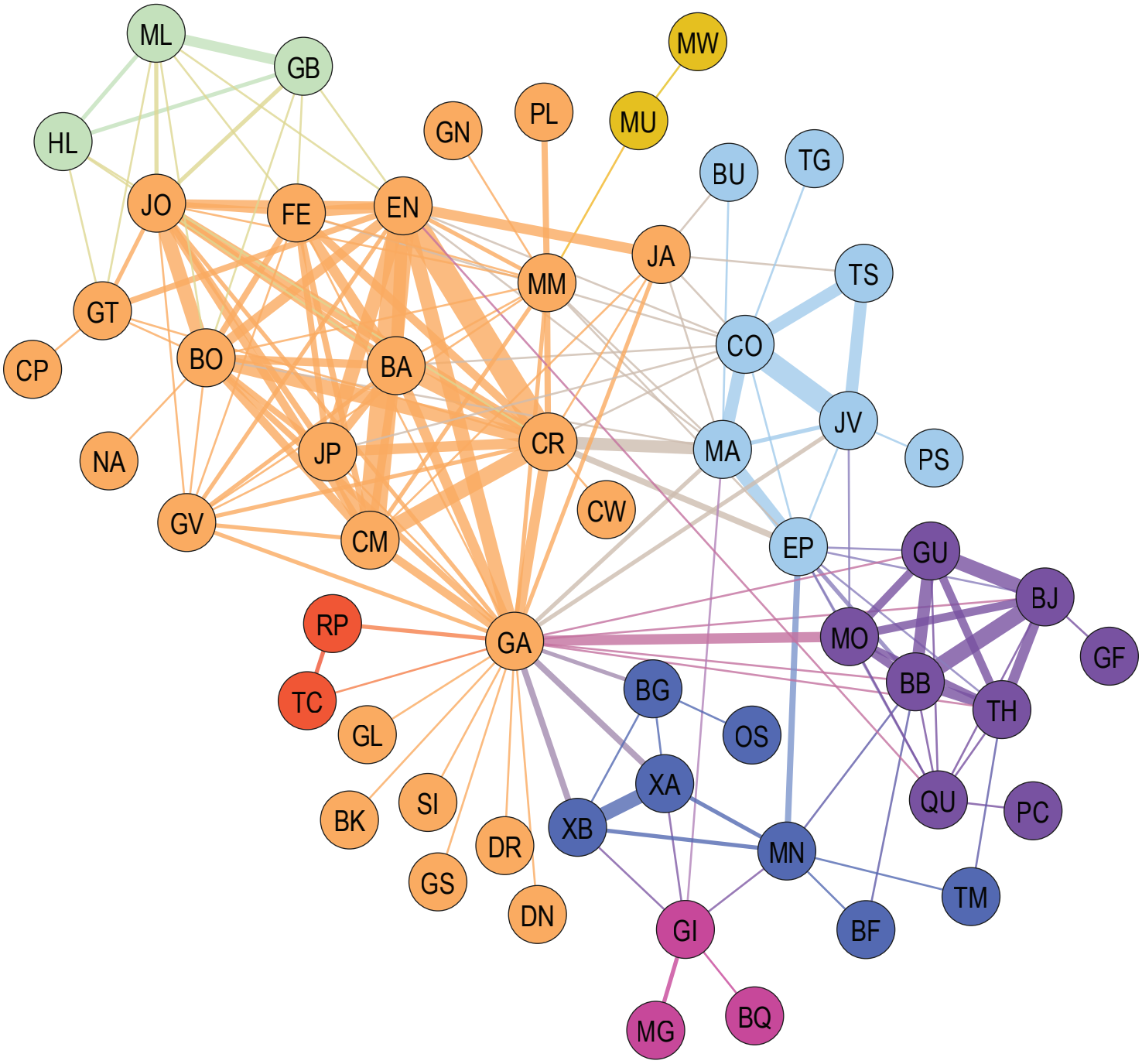
WALK TRAP (5&6 STEPS) · UNWEIGHTED · WEIGHTED



SPIN GLASS (200 SPINS) · UNWEIGHTED · WEIGHTED

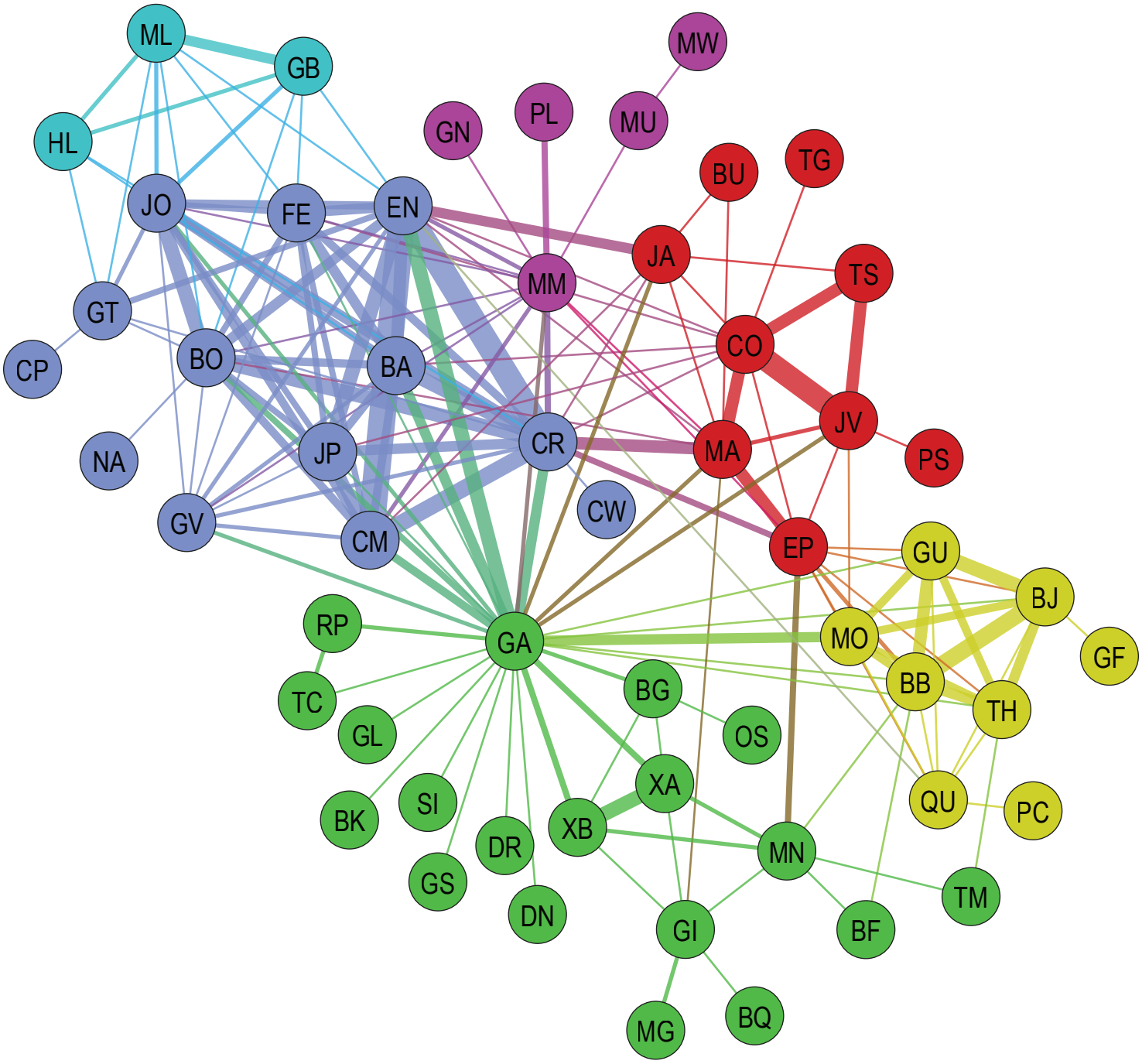


INFOMAP · UNWEIGHTED · WEIGHTED



MULTI-LEVEL MODULARITY · UNWEIGHTED · WEIGHTED

OPTIMAL COMMUNITY · UNWEIGHTED · WEIGHTED



LEADING EIGENVECTOR · UNWEIGHTED · WEIGHTED