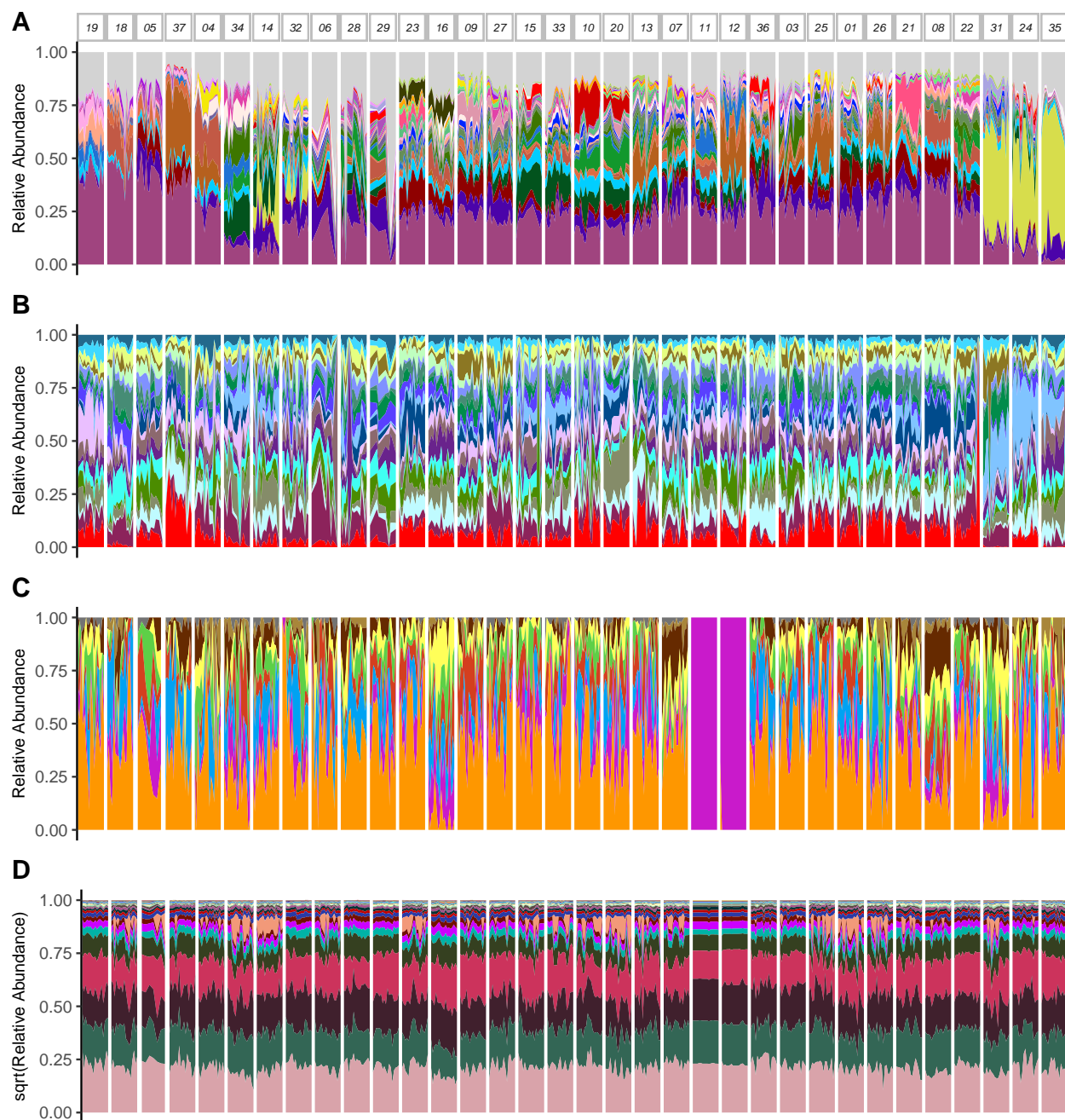


Figure 1

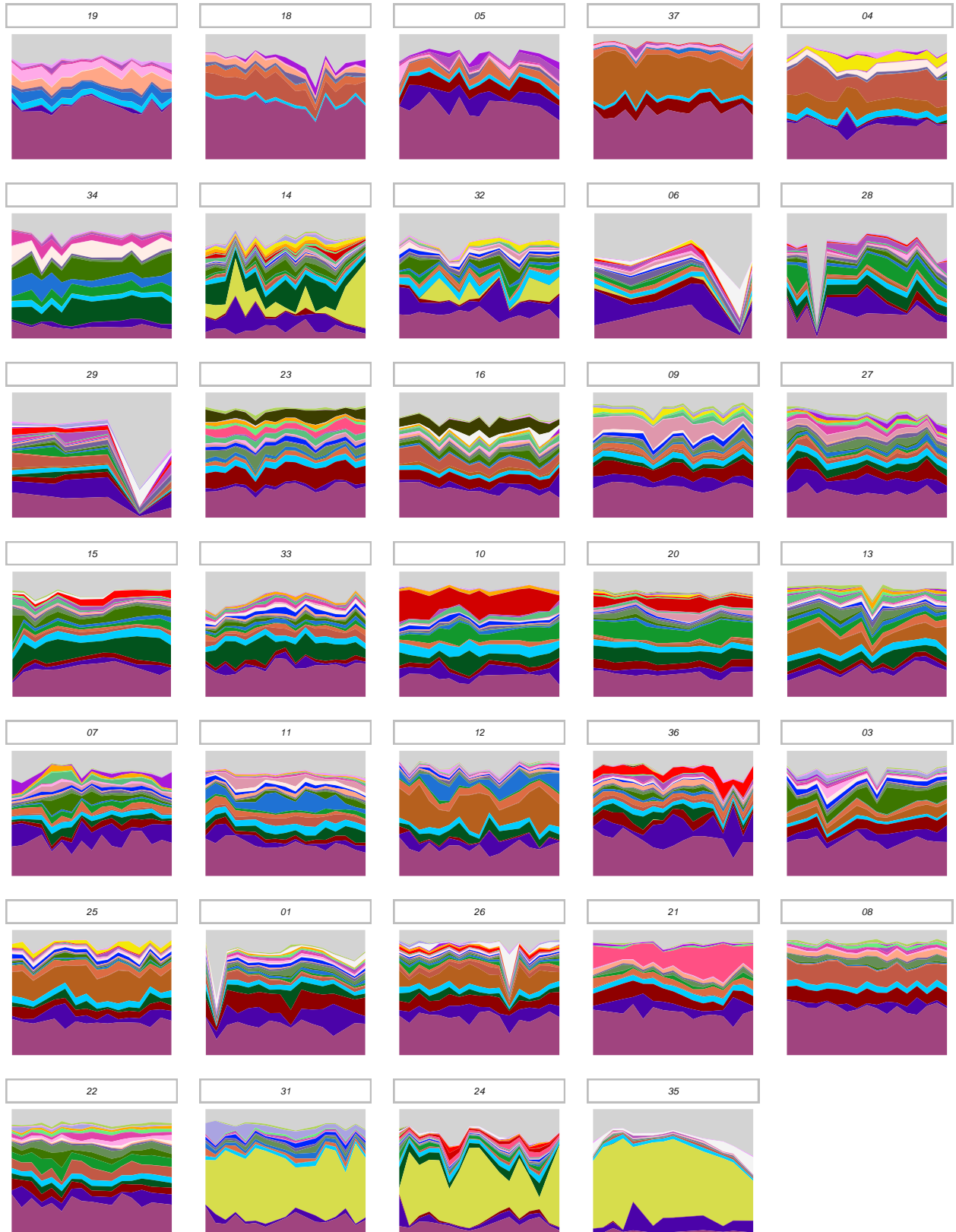
Abigail Johnson

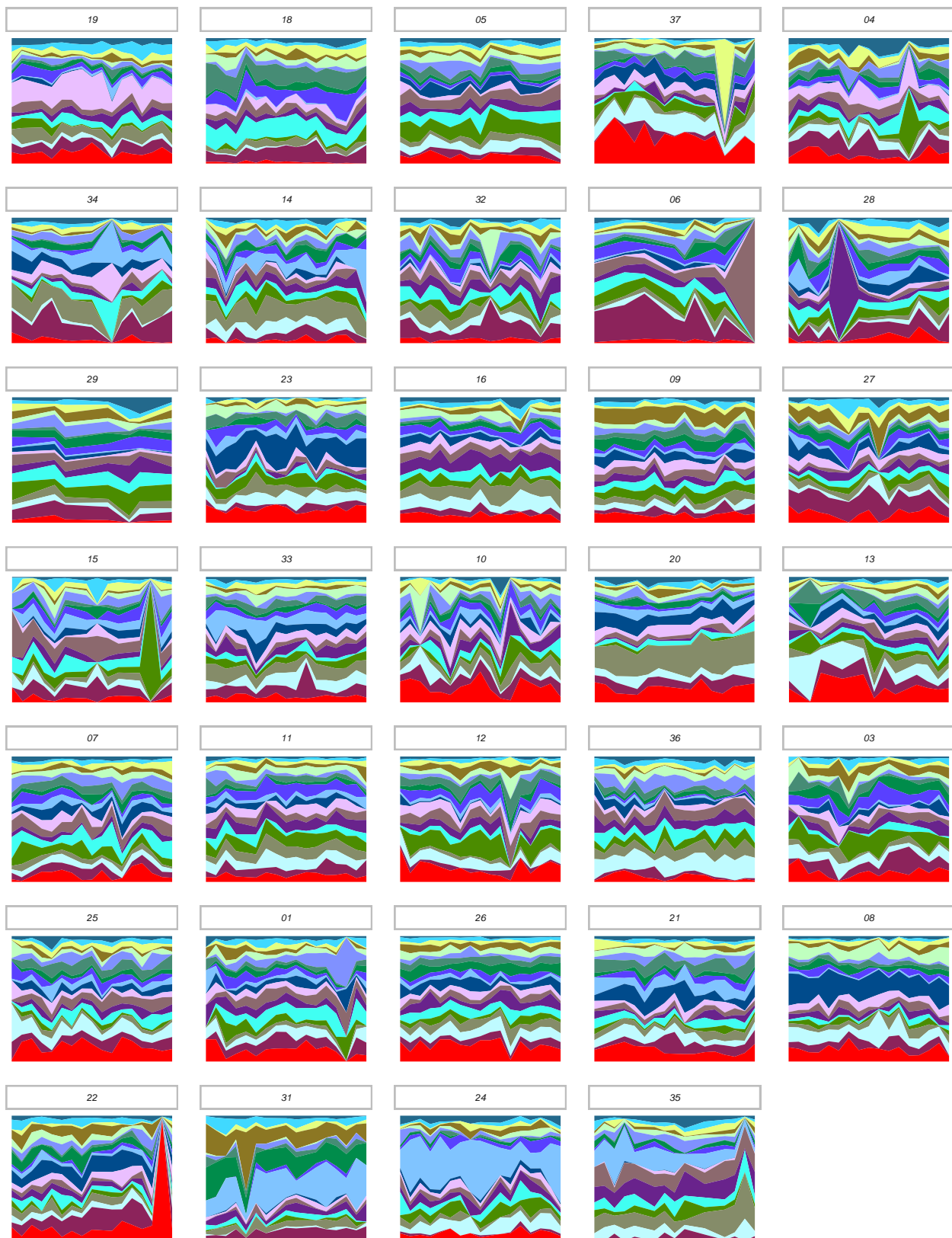
31 January, 2019

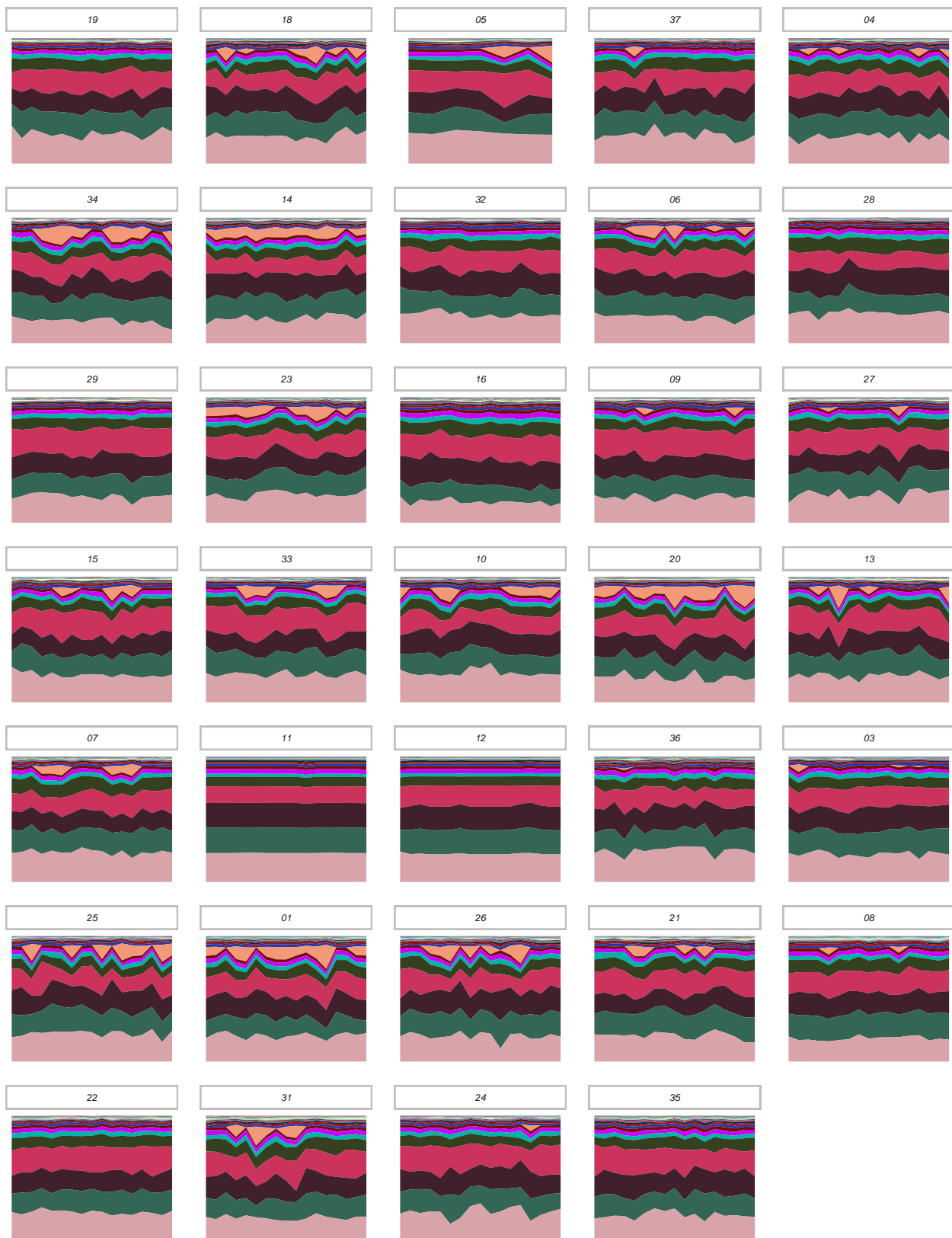


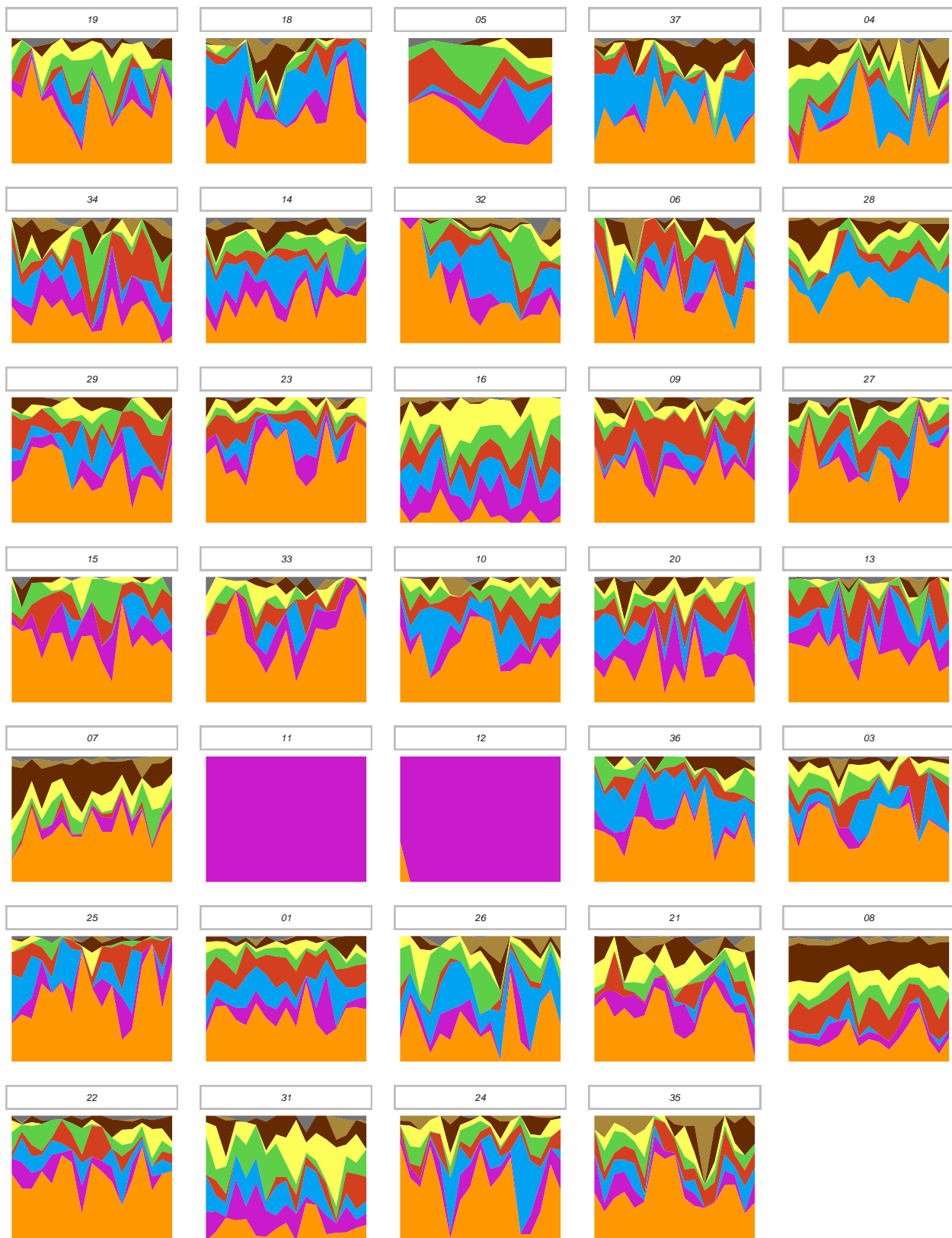
Other	M00276	PTS system, mannose-specific II component	Fats Oils and Salad Dressings	Added Vitamin B-12
Alistipes sp. AL-1	M00030	Lysine biosynthesis, 2-oxoglutarate => 2-aminoadipate => lysine	Egg	Vitamin B-12
Fuscatenibacter saccharivorans	M00190	Iron(III) transport system	Dry Beans Peas Other Legumes Nuts and Seeds	Vitamin D (D2 + D3)
Uncl. Family Rikenellaceae	M00188	NitT/TauT family transport system	Fruits	Cryptoxanthin, beta
Eubacterium siraeum	M00445	EnvZ-OmpR (osmotic stress response) two-component regulatory system	Vegetables	Selenium
Sifidobacterium adolescentis	M00267	PTS system, N-acetylglucosamine-specific II component	Milk and Milk Products	Folic acid
Roseburia faecis	M00217	D-Allose transport system	Meat Poultry Fish and Mixtures	Vitamin K, phyloquinone
Paraprevotella clara	M00450	BaeS-BaeR (envelope stress response) two-component regulatory system	Sugars Sweets and Beverages	Folate, food
Barnesiella intestinihominis	M00347	Methanogenesis, formate => methane	Grain Product	Added Vitamin E
Bacteroides massiliensis	M00480	VraS-VraR (cell-wall peptidoglycan synthesis) two-component regulatory system		Carotene, alpha
Alistipes onderdonkii	M00455	TorS-TorR (trimethylamine N-oxide respiration) two-component regulatory system		Folate, total
Bacteroides plebeius	M00452	CusS-CusR (copper tolerance) two-component regulatory system		Retinol
Bacteroides coprocola	M00239	Peptides/nickel transport system		Folate
[Eubacterium] rectale	M00227	Glutamine transport system		Vitamin A
Alistipes obesi	M00566	Dipeptide transport system, Firmicutes		Copper
Bacteroides thetaiotaomicron	M00529	Denitrification, nitrate => nitrogen		Thiamin
Bacteroides fragilis	M00440	Nickel transport system		Vitamin B-6
Bacteroides cellulosilyticus	M00471	NarX-NarL (nitrate respiration) two-component regulatory system		Riboflavin
Bacteroides caccae	M00564	Helicobacter pylori pathogenicity signature, cagA pathogenicity island		Lycopene
Parabacteroides merdae	M00505	KinB-AlgB (alginate production) two-component regulatory system		Lutein + zeaxanthin
Bacteroides ovatus				Carotene, beta
Uncl. Order Clostridiales				Vitamin E, alpha-tocopherol
Uncl. Genus Alistipes				Zinc
Alistipes finegoldii				Iron
Uncl. Genus Parabacteroides				Niacin
Alistipes shahii				Theobromine
Bacteroides vulgatus				Vitamin C
Bacteroides dorei				Caffeine
Bacteroides stercoris				Cholesterol
Uncl. Order Bacteroidales				Choline, total
Alistipes putredinis				Magnesium
Prevotella copri				Calcium
Bacteroides uniformis				Alcohol
Faecalibacterium prausnitzii				Phosphorus
Uncl. Genus Bacteroides				Potassium
				Sodium
				Fiber, total dietary
				Sugars, total
				Protein
				Total Fat
				Carbohydrate

Expanded plots on a per-person basis









Area plots subset for figure 5A

