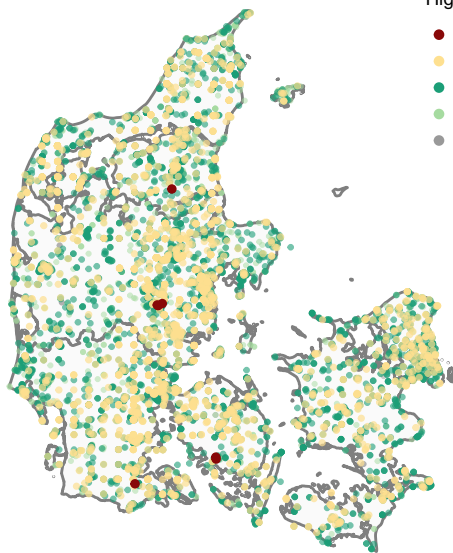


a

Highest observed genome novelty:

- Phylum (7)
- Order (2473)
- Family (4369)
- Genus (3081)
- Lineages not found (119)

b

Sample type

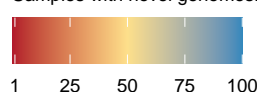
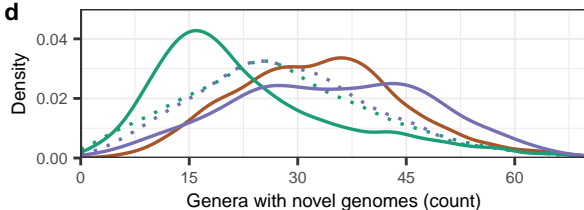
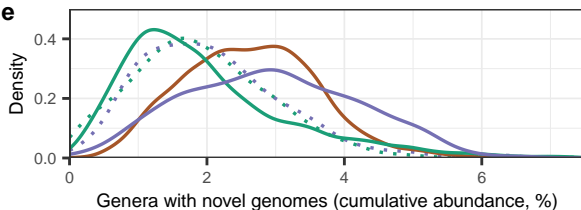
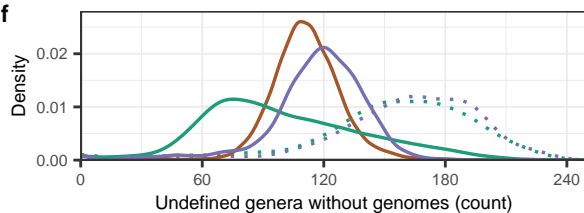
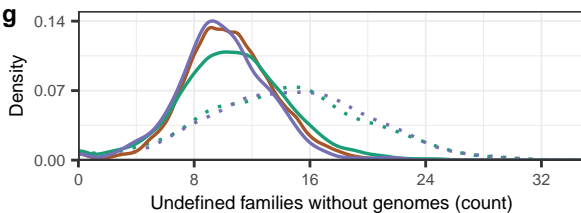
Soil	8144 (99.57 %)	5697 (69.65 %)	1887 (23.07 %)	1 (0.01 %)
Sediment	1515 (99.8 %)	1088 (71.67 %)	576 (37.94 %)	6 (0.4 %)
Water	186 (84.93 %)	23 (10.5 %)	5 (2.28 %)	0 (0 %)
Other	85 (63.91 %)	41 (30.83 %)	12 (9.02 %)	0 (0 %)
	Genus	Family	Order	Phylum

c

Area type

Natural	5213 (99.71 %)	3252 (62.2 %)	1050 (20.08 %)	7 (0.13 %)
Agriculture	2918 (100 %)	2369 (81.19 %)	967 (33.14 %)	0 (0 %)
Urban	1629 (96.05 %)	1196 (70.52 %)	451 (26.59 %)	0 (0 %)
Subterranean	170 (82.13 %)	32 (15.46 %)	12 (5.8 %)	0 (0 %)
	Genus	Family	Order	Phylum

Samples with novel genomes:

**d****e****f****g**

Area type: Agriculture Natural Urban

Sample type: Sediment Soil