

Harvard Forest Data Archive HF372-05

Data File:

Name = hf372-05-microbial-activity.csv

Description = microbial activity

Rows = 128 Columns = 21

MD5 checksum = f2ea741b84ae0862da8cc77fd9eb7732

Variables:

temp = incubation temperature (celsius)

resp = microbial respiration ($\mu\text{g CO}_2\text{-C g}^{-1}$ soil) (microgramsPerGram)

growth = microbial growth ($\mu\text{g C g}^{-1}$ soil) (microgramsPerGram)

uptake = microbial organic carbon uptake ($\mu\text{g C g}^{-1}$ soil)
(microgramsPerGram)

cue = microbial carbon use efficiency (%) (dimensionless)

to1 = microbial turnover rate (per day) (number)

to2 = turnover time (days) (number)

mbc = microbial biomass carbon (microgramsPerGram)

dna = soil DNA content (microgramsPerGram)

mbcdna = ratio of mbc and dna (dimensionless)

mresp = mass-specific respiration ($\mu\text{g CO}_2\text{-C g}^{-1}$ mbc)
(microgramsPerGram)

mgrowth = mass-specific growth ($\mu\text{g C g}^{-1}$ mbc) (microgramsPerGram)

muptake = mass-specific uptake ($\mu\text{g C g}^{-1}$ mbc) (microgramsPerGram)

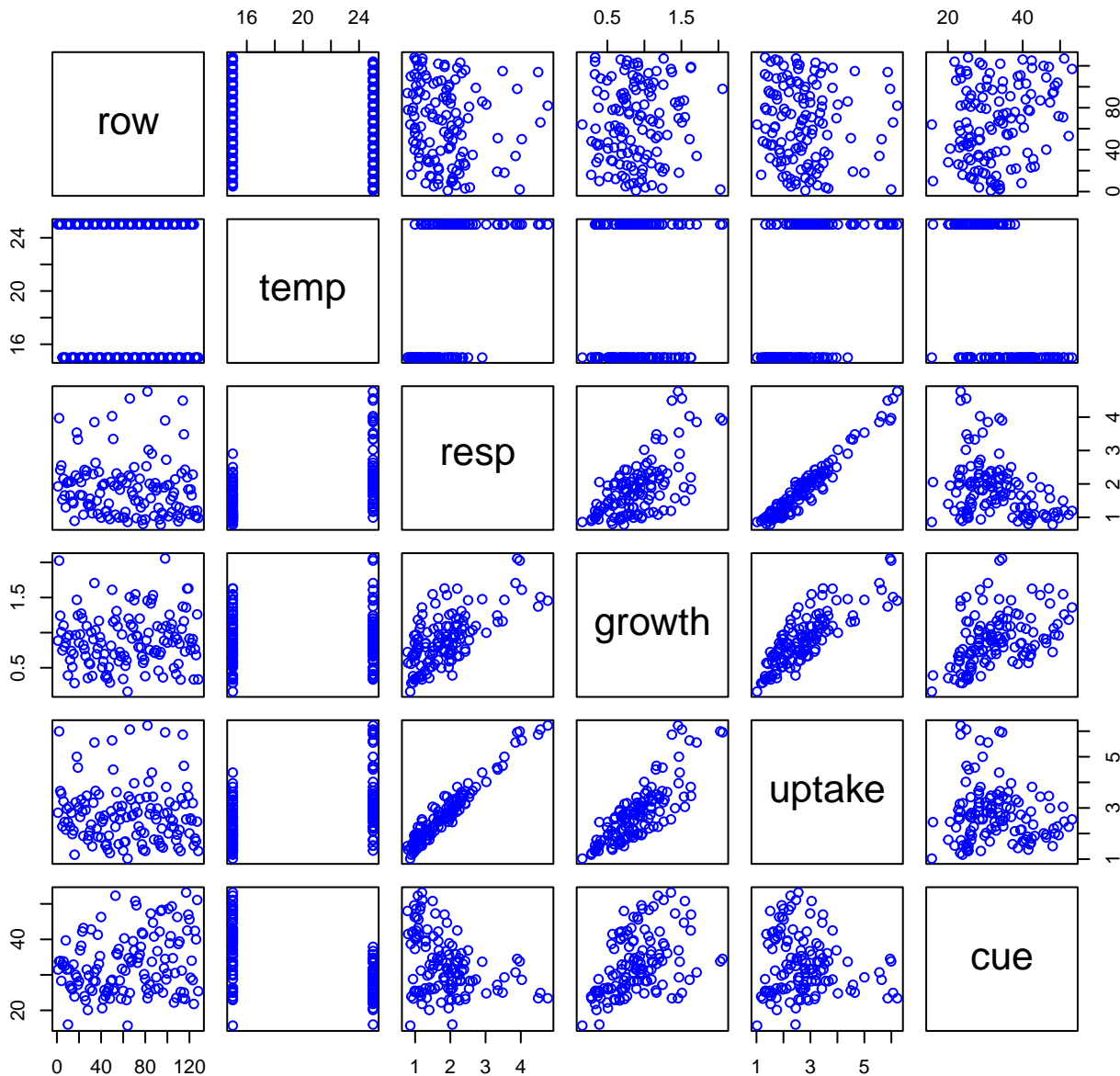
dresp = mass-specific respiration ($\mu\text{g CO}_2\text{-C g}^{-1}$ dna)
(microgramsPerGram)

dgrowth = mass-specific growth ($\mu\text{g C g}^{-1}$ dna) (microgramsPerGram)

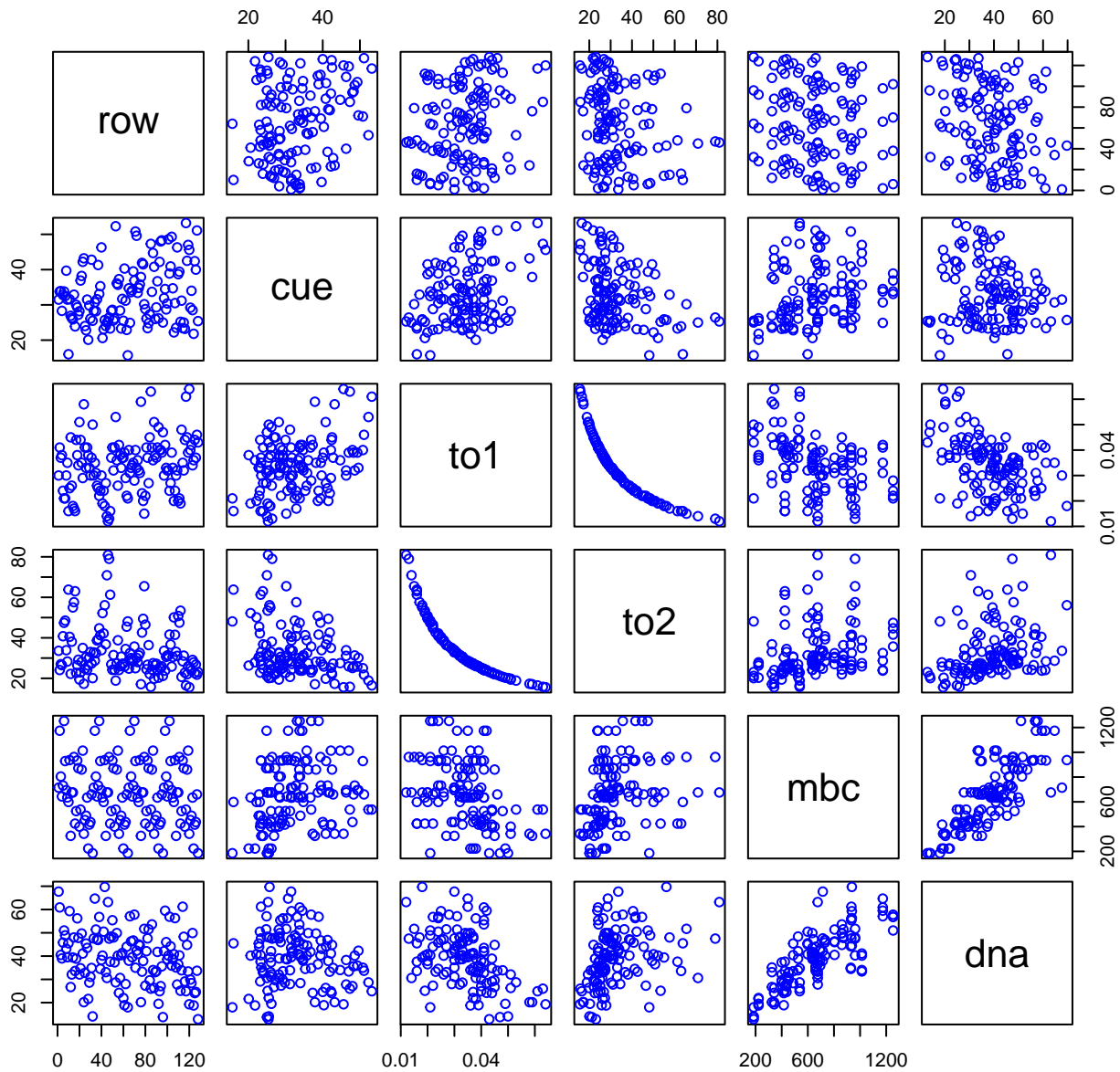
duptake = mass-specific uptake ($\mu\text{g C g}^{-1}$ dna) (microgramsPerGram)

Variable	Min	Median	Mean	Max	NAs
temp	15.000	20.000	20.000	25.000	0
resp	0.785	1.756	1.854	4.766	0
growth	0.161	0.857	0.891	2.056	0
uptake	1.022	2.614	2.746	6.221	0
cue	15.700	31.500	32.826	53.200	0
to1	0.012	0.034	0.034	0.064	0
to2	15.600	29.150	33.103	80.900	0
mbc	185.200	651.550	661.122	1252.700	0
dna	12.900	39.450	39.169	69.700	0
mbcdna	9.300	16.400	16.755	30.300	0
mresp	1.187	2.970	3.046	6.289	0
mgrowth	0.515	1.431	1.412	2.677	0
muptake	1.995	4.362	4.458	8.121	0
dresp	0.016	0.046	0.048	0.100	0
dgrowth	0.006	0.023	0.024	0.054	0
duptake	0.022	0.070	0.072	0.131	0

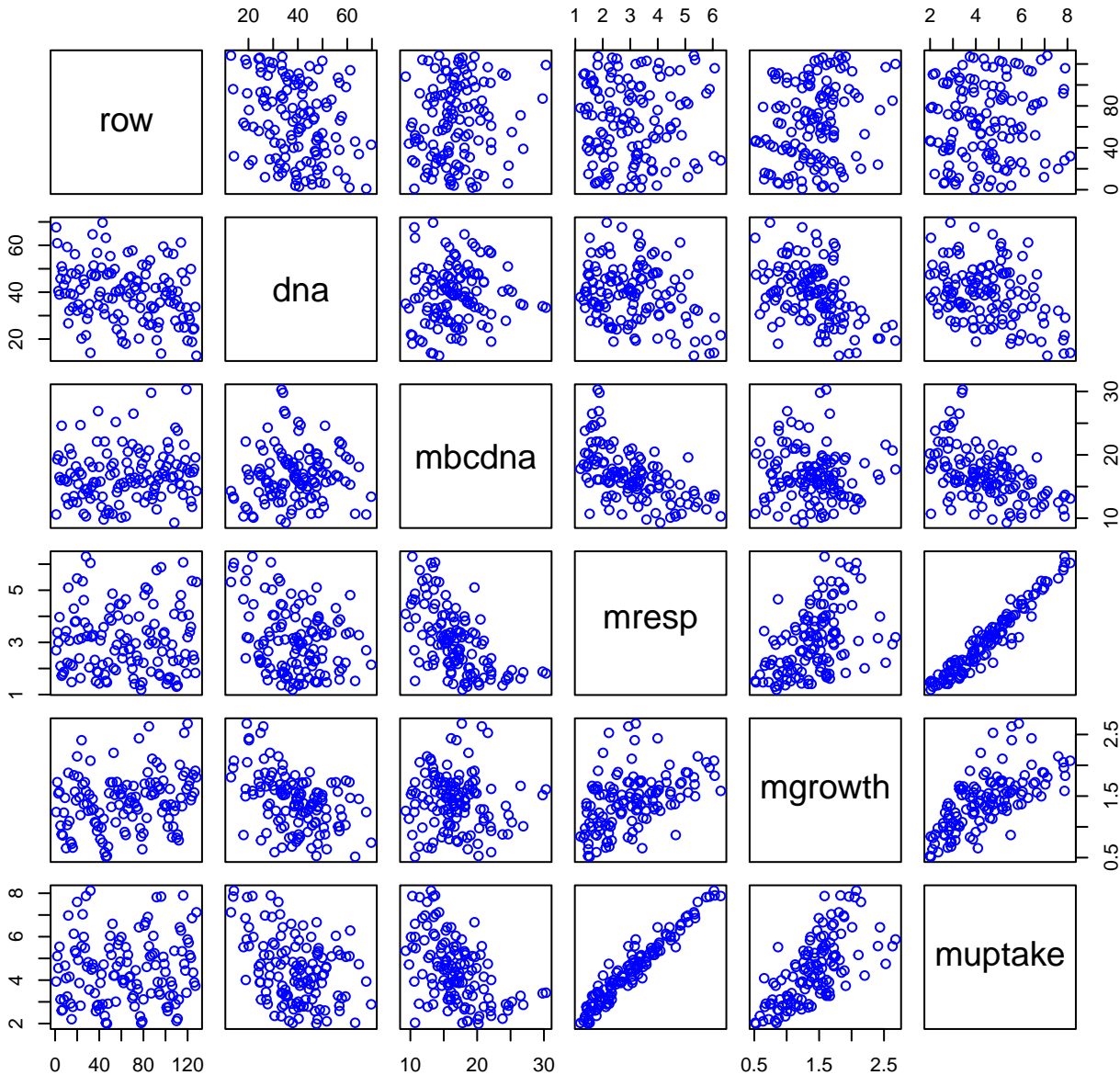
HF372-05 Plot 1



HF372-05 Plot 2



HF372-05 Plot 3



HF372-05 Plot 4

