Harvard Forest Data Archive HF449-01

Data File:

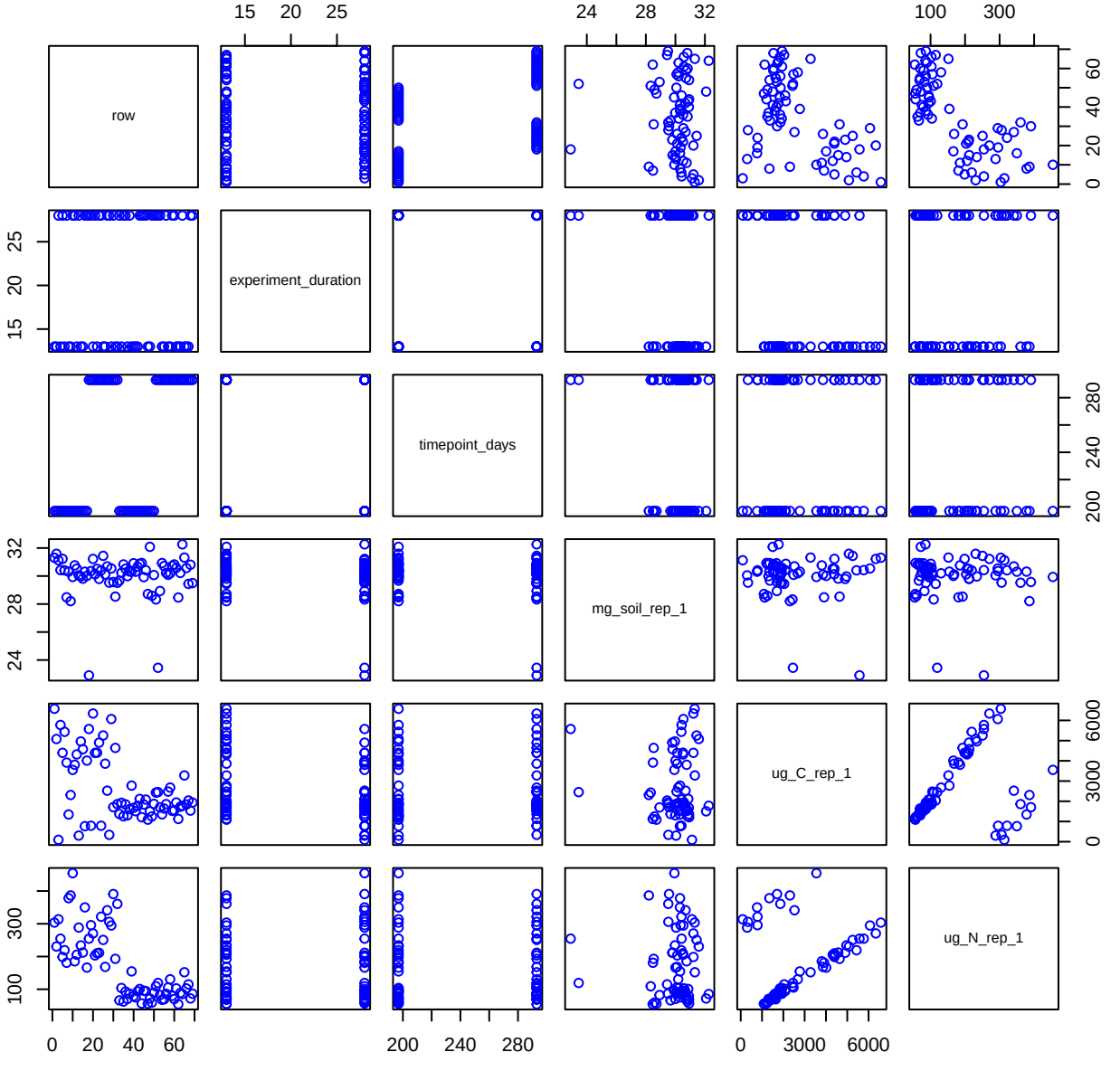
Name = hf449-01-emf-c-n.csv
Description = ecosystem functionality measurements
Rows = 69 Columns = 28
MD5 checksum = c6e0bc639cd8c5acc93cfd6de15fa6d2

Variables:

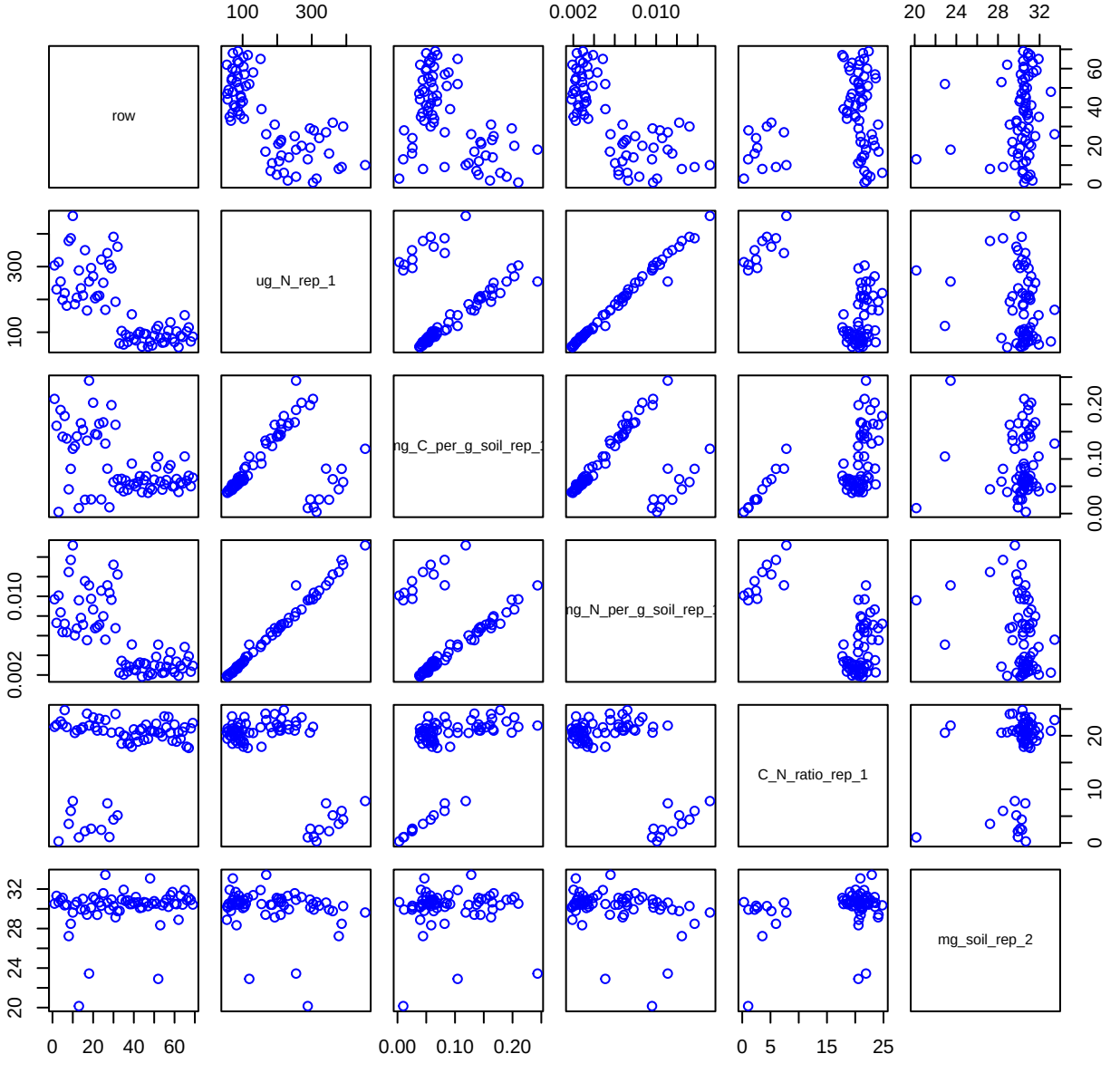
experiment_duration = length of experiment at time of sampling (years) (dimensionless)
timepoint_days = day of year of sampling (nominalDay)
mg_soil_rep_1 = amount of dried soil analyzed in replicate 1 (milligram)
ug_C_rep_1 = micrograms of carbon in replicate 1 (microgram)
ug_N_rep_1 = micrograms of nitrogen in replicate 1 (microgram)
mg_C_per_g_soil_rep_1 = amount of carbon in replicate 1 divided by the amount of soil analyzed in replicate 1 (milligramPerGram)
mg_N_per_g_soil_rep_1 = amount of nitrogen in replicate 1 divided by the amount of soil analyzed in replicate 1 (milligramPerGram)
C_N_ratio_rep_1 = ratio of milligrams of carbon per gram soil in replicate 1 to milligrams of nitrogen per gram soil in replicate 1 (dimensionless)
mg_soil_rep_2 = amount of dried soil analyzed in replicate 2 (milligram)
ug_C_rep_2 = micrograms of carbon in replicate 2 (microgram)
ug_N_rep_2 = micrograms of nitrogen in replicate 2 (microgram)
mg_C_per_g_soil_rep_2 = amount of carbon in replicate 2 divided by the amount of soil analyzed in replicate 2 (milligramPerGram)
mg_N_per_g_soil_rep_2 = amount of nitrogen in replicate 2 divided by the amount of soil analyzed in replicate 2 (milligramPerGram)
C_N_ratio_rep_2 = ratio of milligrams of carbon per gram soil in replicate 2 to milligrams of nitrogen per gram soil in replicate 2 (dimensionless)
MBC_std = z-score transformed microbial biomass carbon (dimensionless)
BG_std = z-score transformed ?-glucosidase activity (dimensionless)
NAG_std = z-score transformed N-acetyl glucosaminidase activity (dimensionless)
OX_std = z-score transformed oxidative enzyme activity (dimensionless)
respiration_std = z-score transformed soil respiration (dimensionless)
avg_C_std = z-score transformed mean milligrams carbon per gram soil (dimensionless)
avg_N_std = z-score transformed mean milligrams nitrogen per gram soil (dimensionless)
mean_function = ecosystem multifunctionality index (dimensionless)

Variable	Min	Median	Mean	Max	NAs
experiment_d	13.000	28.000	20.609	28.000	0
timepoint_da	197.000	197.000	244.304	293.000	0
mg_soil_rep_	22.903	30.313	30.038	32.261	0
ug_C_rep_1	93.790	1924.430	2630.609	6575.580	0
ug_N_rep_1	54.440	130.500	172.836	454.480	0
mg_C_per_g_s	0.003	0.063	0.088	0.243	0
mg_N_per_g_s	0.002	0.005	0.006	0.015	0
C_N_ratio_re	0.299	20.716	17.992	24.783	0
mg_soil_rep_	20.153	30.522	30.168	33.440	0
ug_C_rep_2	422.320	2056.700	3295.966	34020.000	0
ug_N_rep_2	56.670	155.750	185.709	664.000	0
mg_C_per_g_s	0.014	0.067	0.109	1.084	0
mg_N_per_g_s	0.002	0.005	0.006	0.021	0
C_N_ratio_re	1.258	20.821	18.833	51.235	0
MBC_std	0.065	0.320	0.395	1.000	0
BG_std	0.057	0.357	0.405	1.000	0
NAG_std	0.013	0.322	0.380	1.000	0
OX_std	0.030	0.102	0.216	1.000	0
respiration_	0.216	0.472	0.498	1.000	0
avg_C_std	0.053	0.117	0.309	1.000	0
avg_N_std	0.146	0.360	0.402	1.000	0
mean_functio	0.169	0.341	0.372	0.795	0

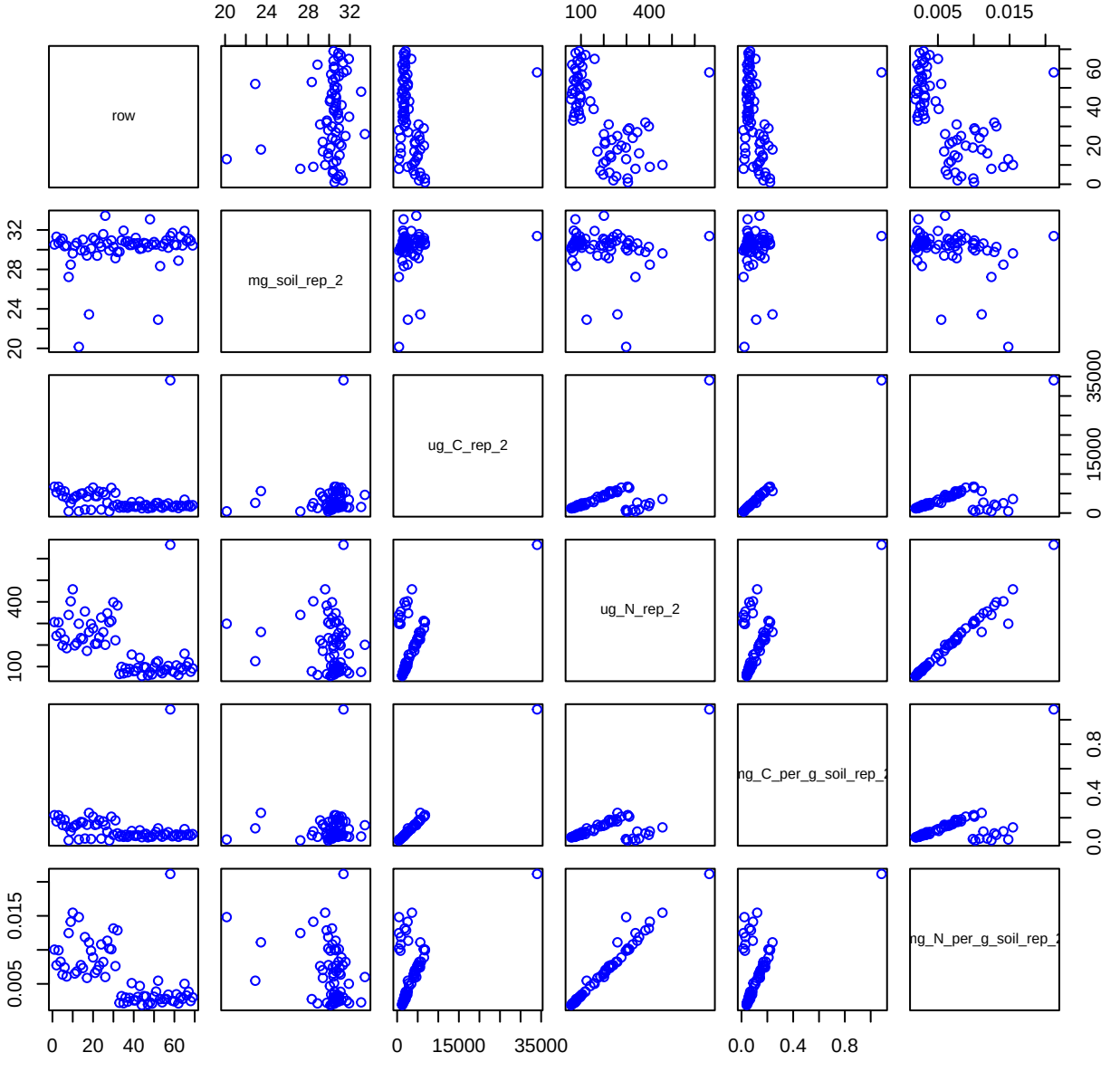
HF449−01 Plot 1



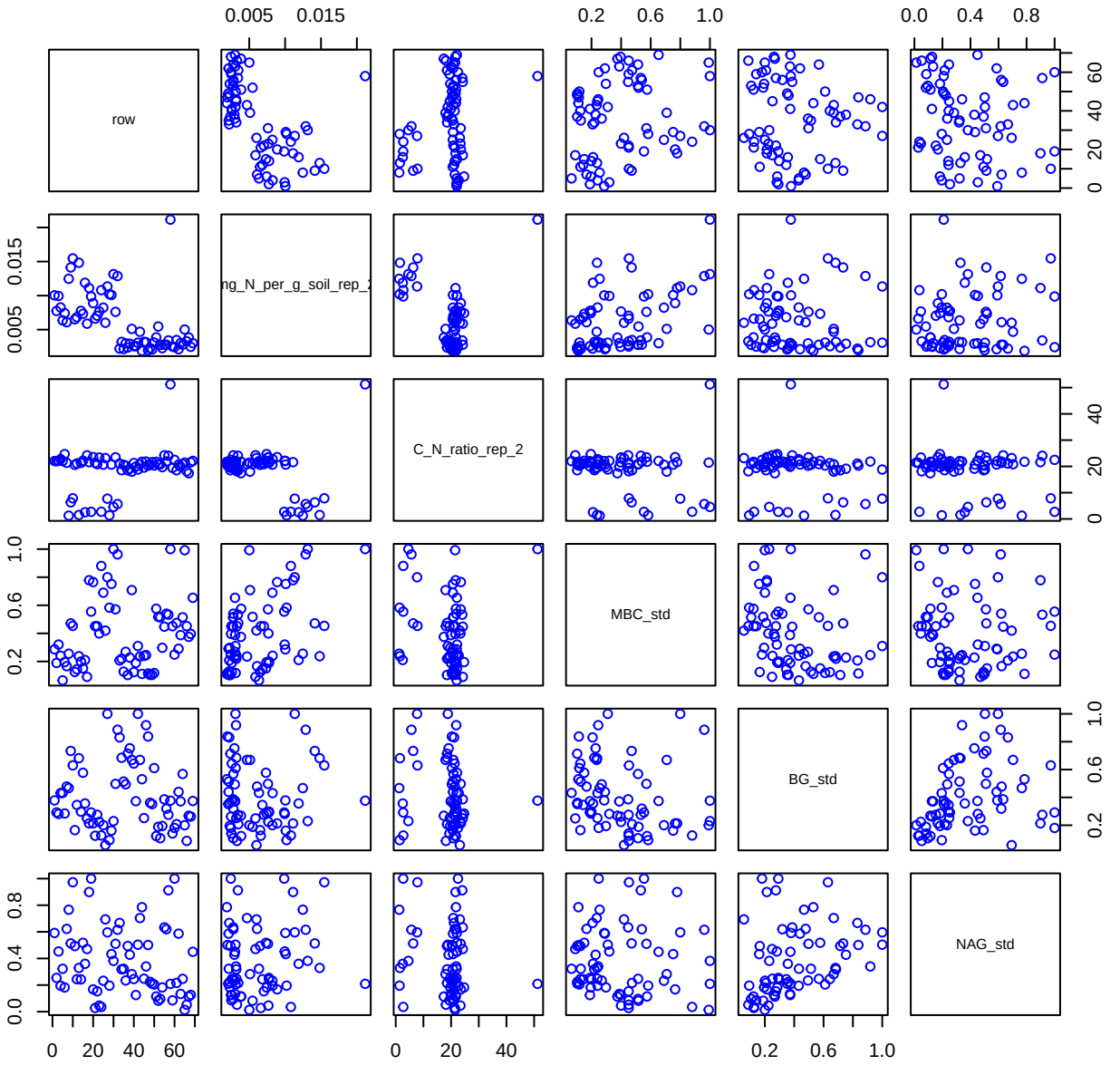
HF449−01 Plot 2



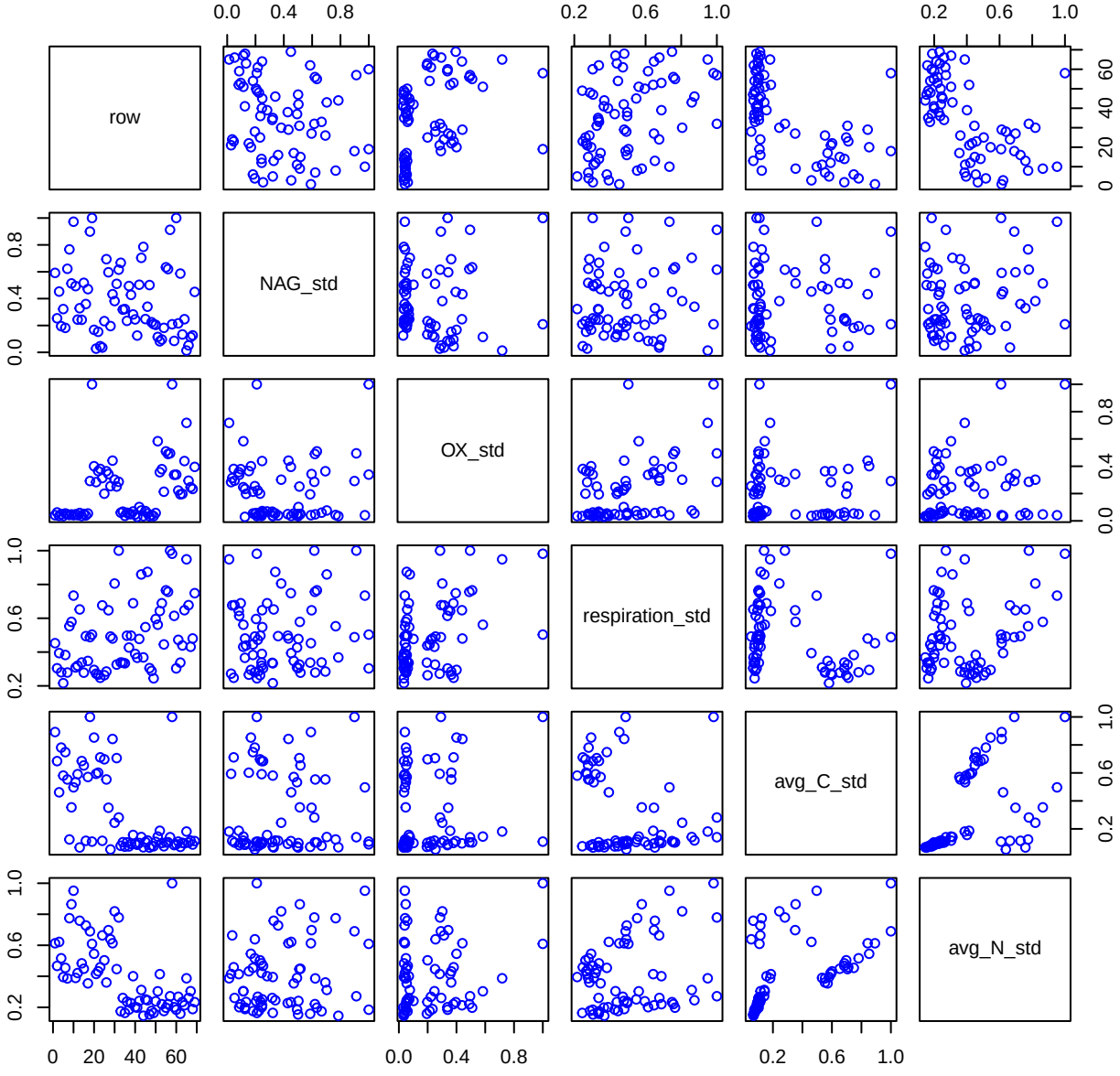
HF449−01 Plot 3



HF449−01 Plot 4



HF449−01 Plot 5



HF449−01 Plot 6