

Harvard Forest Data Archive HF227-01

Data File:

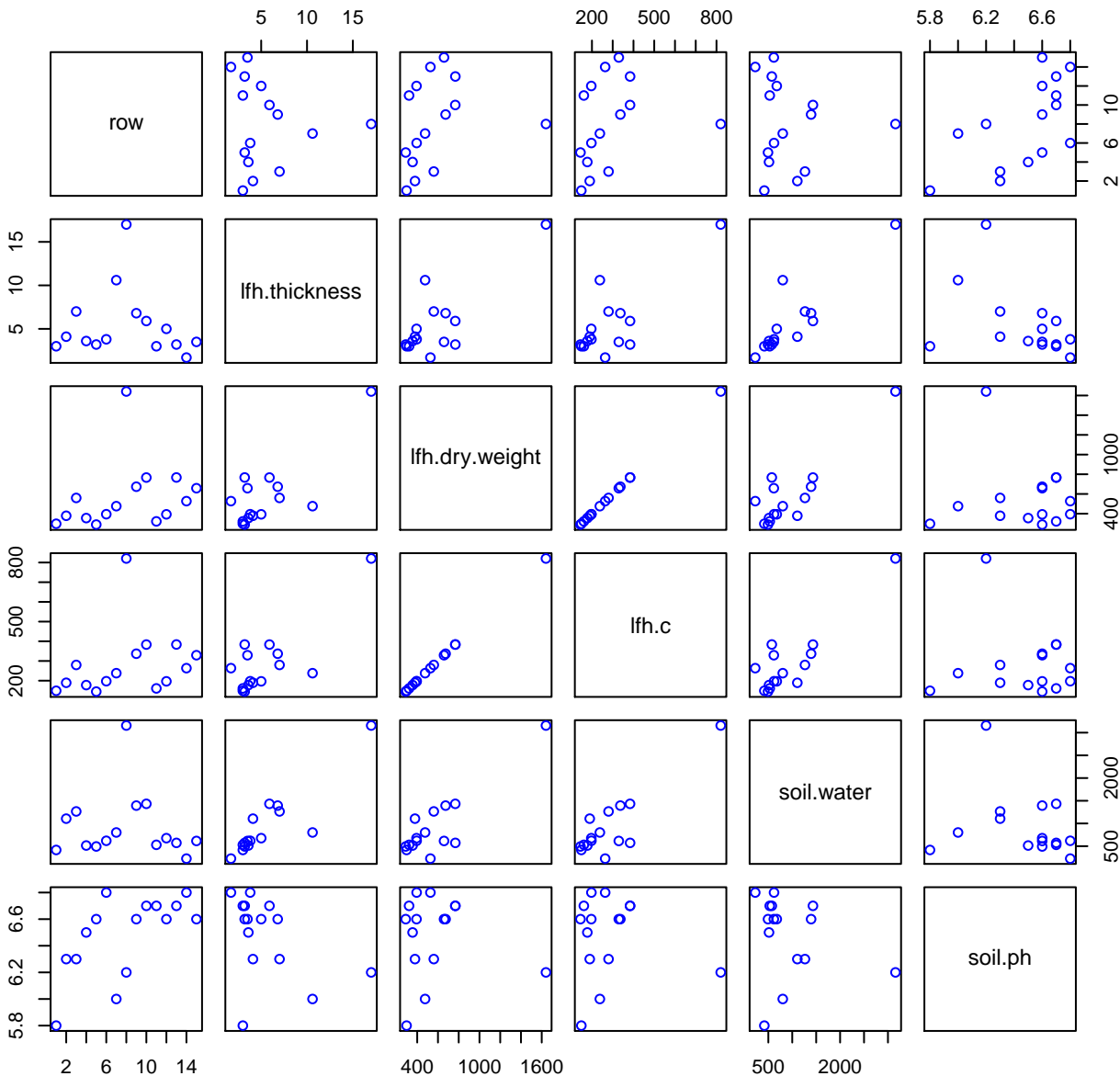
Name = hf227-01-soil.csv
Description = soil characteristics
Rows = 15 Columns = 24
MD5 checksum = 64aff2915bb1503cabb83511c2eae236

Variables:

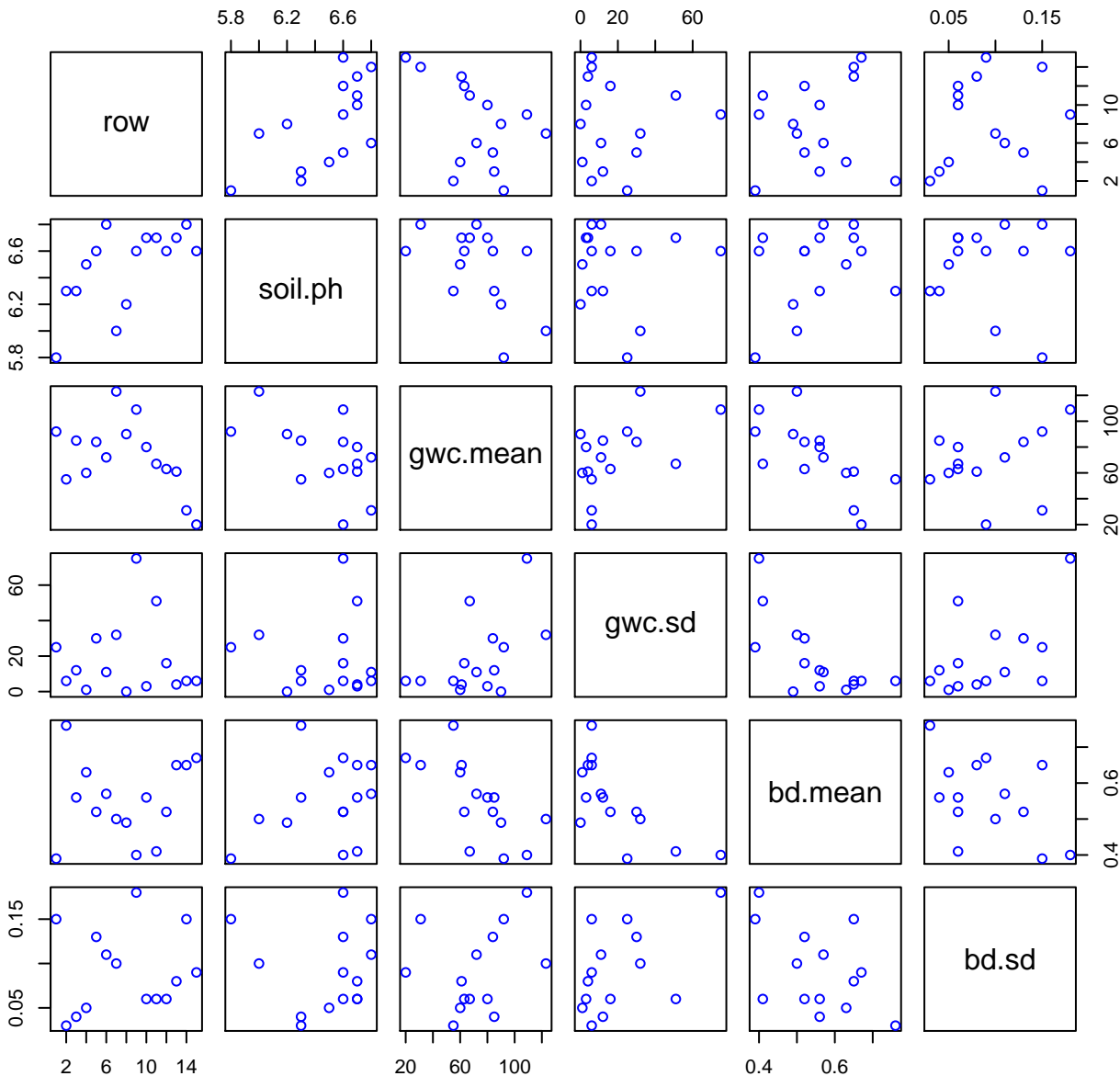
lfh.thickness = thickness of LFH horizon (centimeter)
lfh.dry.weight = weight of dried LFH-horizon inside the collar
(gram)
lfh.c = estimated C-content of LFH horizon - taken as 50% of dry
weight (gram)
soil.water = water content of mineral soil sample in grams (gram)
soil.ph = pH of soil (dimensionless)
gwc.mean = average % gravimetric water content of soil samples (g of
water per g of
dry soil) (dimensionless)
gwc.sd = standard deviation of % GWC (dimensionless)
bd.mean = average mineral soil bulk density
(gramsPerCubicCentimeter)
bd.sd = standard deviation of soil bulk density
(gramsPerCubicCentimeter)
vwc.mean = average volumetric water content around the collar,
measured with the
Hydrosense (%) (dimensionless)
vwc.sd = standard deviation of %VWC (dimensionless)
soil.n.per = average % soil nitrogen (dimensionless)
soil.c.per = average % soil carbon (dimensionless)
soil.n = average soil nitrogen content (milligram)
soil.c = average soil carbon content (milligram)
cn.mean = average carbon to nitrogen ratio, calculated from %N and
%C (dimensionless)
cn.repl = number of replicate samples used to calculate all of the
C- and N-
averages and standard deviations (number)
soil.n.per.sd = standard deviation % soil nitrogen (dimensionless)
soil.c.per.sd = standard deviation % soil carbon (dimensionless)
soil.n.sd = standard deviation soil nitrogen content (milligram)
soil.c.sd = standard deviation soil carbon content (milligram)
cn.sd = standard deviation carbon to nitrogen ratio, calculated from
%N and
%C (dimensionless)

Variable	Min	Median	Mean	Max	NAs
lfh.thicknes	1.700	3.800	5.427	17.000	0
lfh.dry.weig	289.240	476.100	566.708	1640.750	0
lfh.c	144.620	238.050	283.354	820.375	0
soil.water	226.290	619.020	921.291	3157.250	0
soil.ph	5.800	6.600	6.480	6.800	0
gwc.mean	20.000	72.000	72.800	123.000	0
gwc.sd	0.000	11.000	18.533	75.000	0
bd.mean	0.390	0.560	0.552	0.760	0
bd.sd	0.030	0.085	0.092	0.180	1
vwc.mean	14.000	40.000	37.933	59.000	0
vwc.sd	2.000	3.500	3.500	5.000	1
soil.n.per	0.490	0.780	0.765	0.940	0
soil.c.per	9.910	14.060	14.342	19.370	0
soil.n	0.050	0.080	0.075	0.090	0
soil.c	0.990	1.380	1.425	1.950	0
cn.mean	14.910	18.850	18.797	23.330	0
cn.repl	2.000	3.000	2.933	3.000	0
soil.n.per.s	0.000	0.020	0.026	0.060	0
soil.c.per.s	0.140	0.350	0.419	0.980	0
soil.n.sd	0.000	0.000	0.003	0.010	0
soil.c.sd	0.020	0.060	0.063	0.140	0
cn.sd	0.070	0.190	0.247	0.940	0

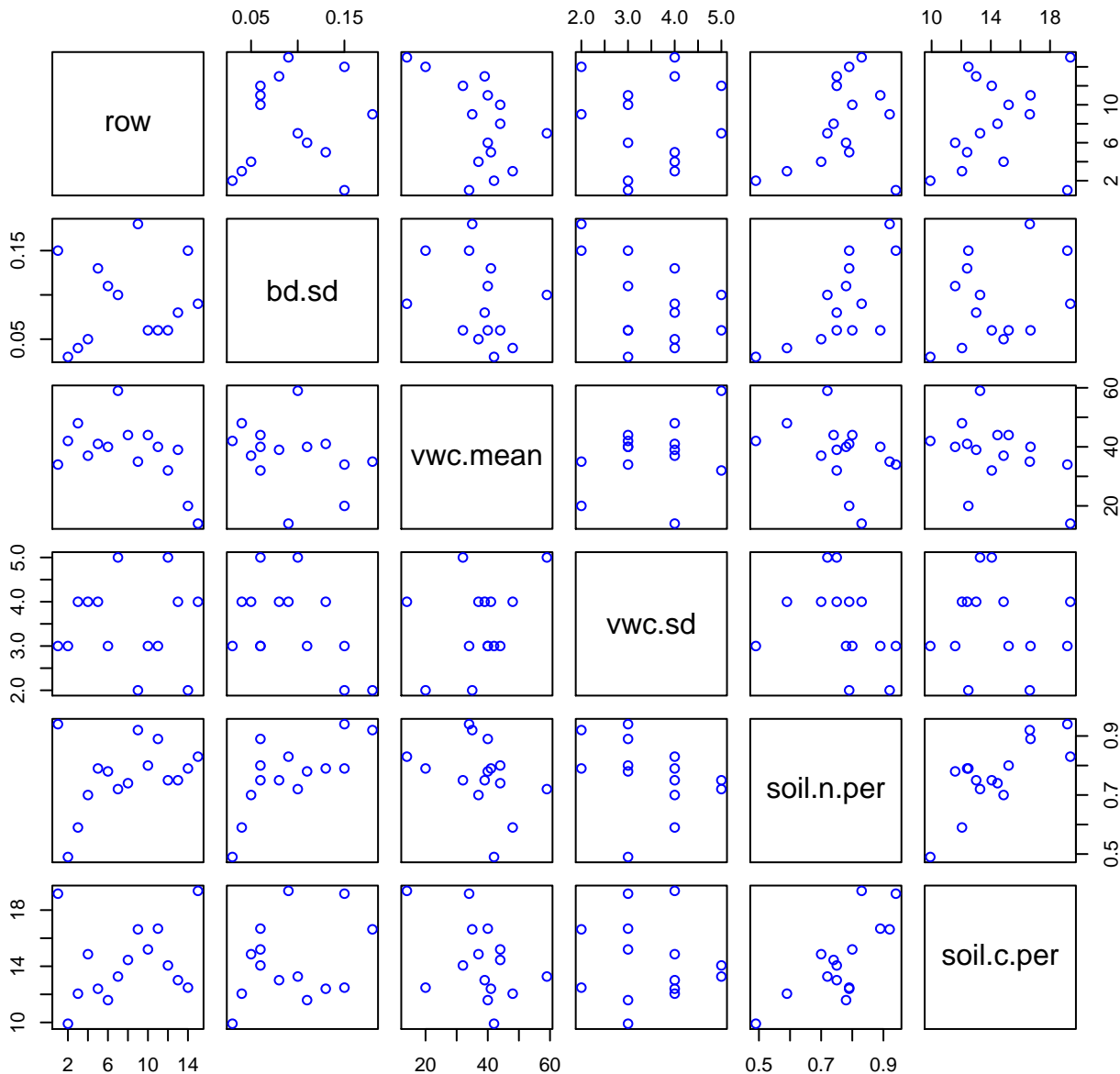
HF227-01 Plot 1



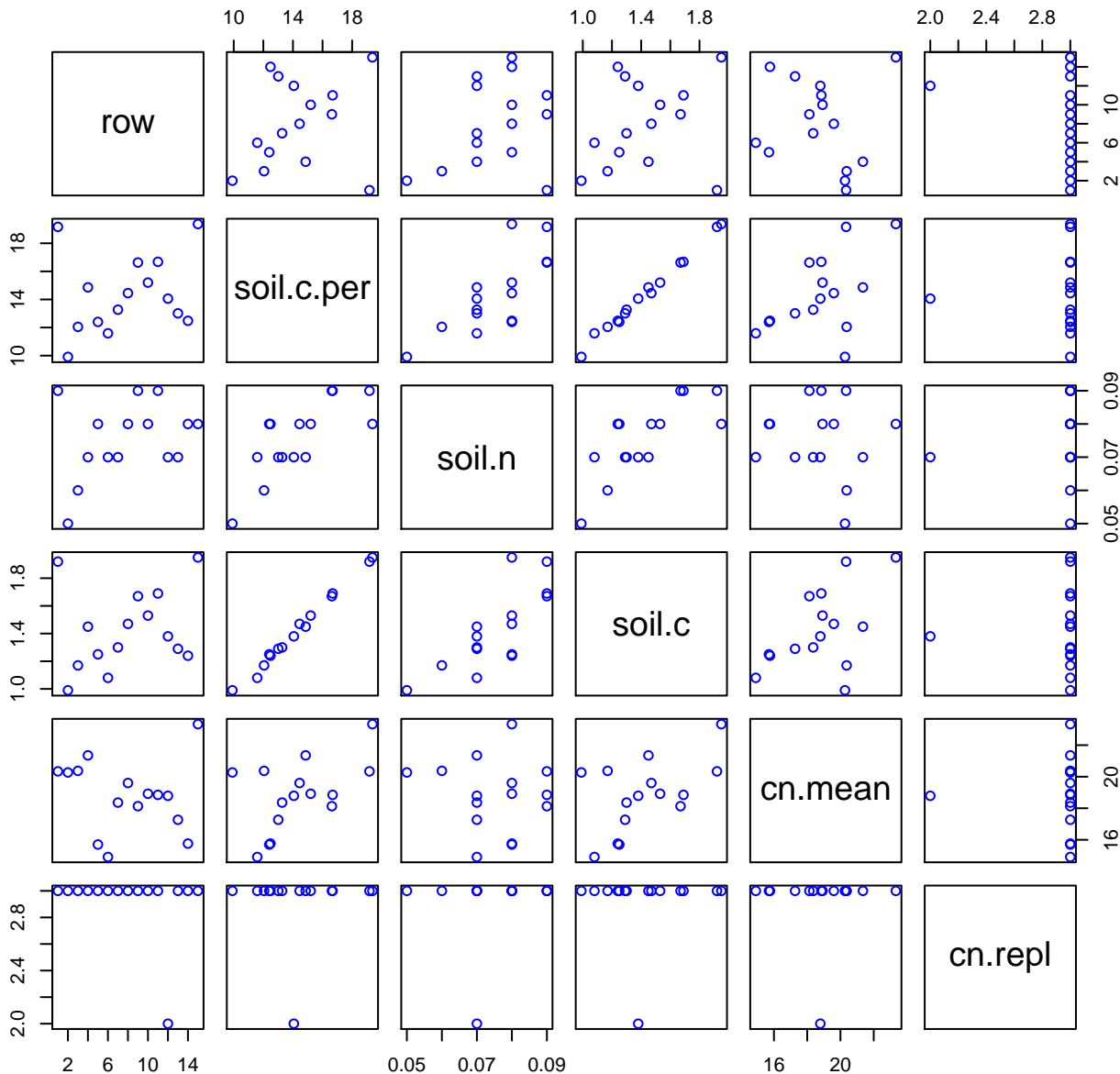
HF227-01 Plot 2



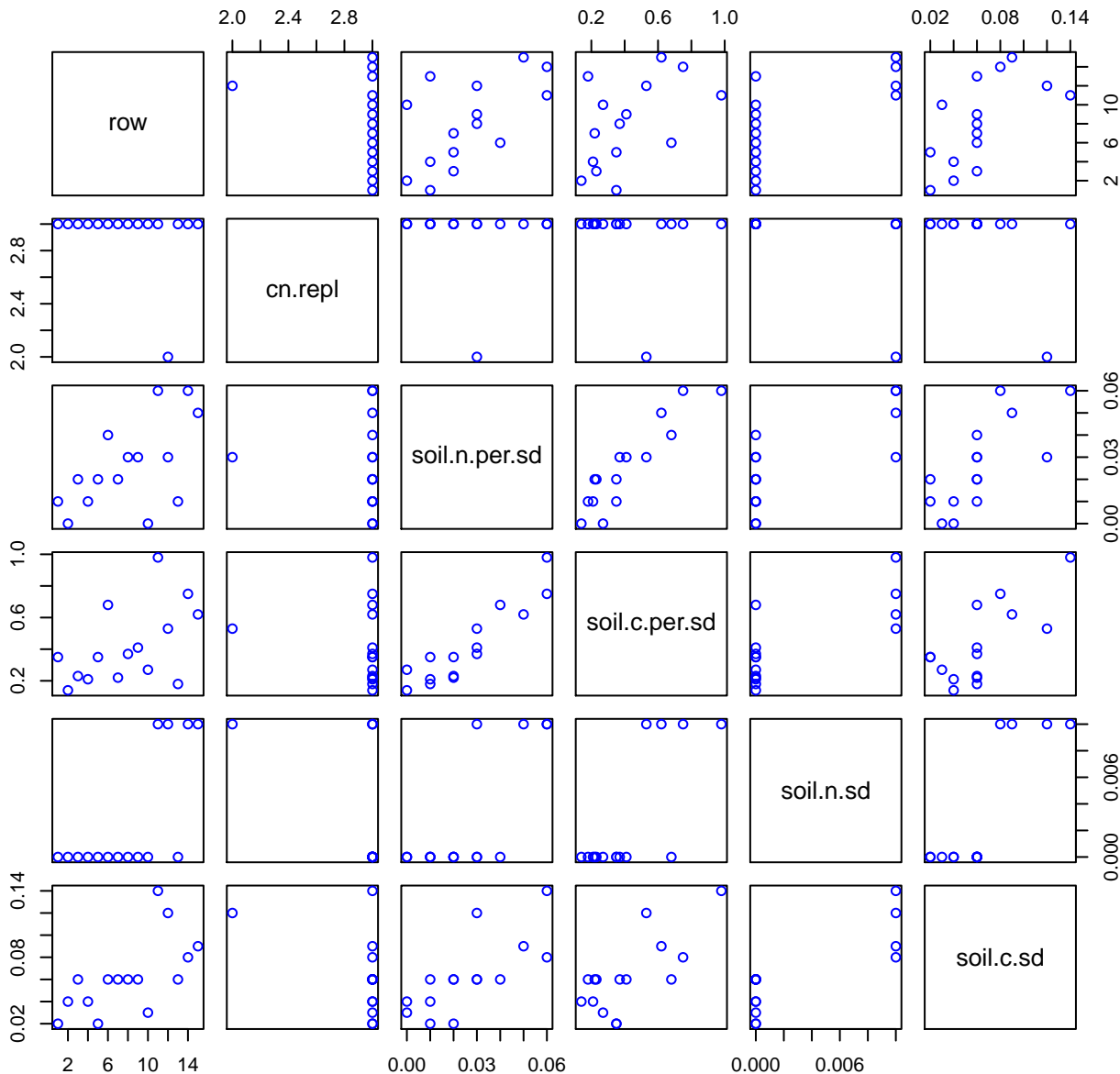
HF227-01 Plot 3



HF227-01 Plot 4



HF227-01 Plot 5



HF227-01 Plot 6

