

Harvard Forest Data Archive HF426-01

Data File:

Name = hf426-01-rsip.csv
Description = RSIP database
Rows = 5654 Columns = 70
MD5 checksum = a731a9c7f6ccb472fb839ed1190d5ea4

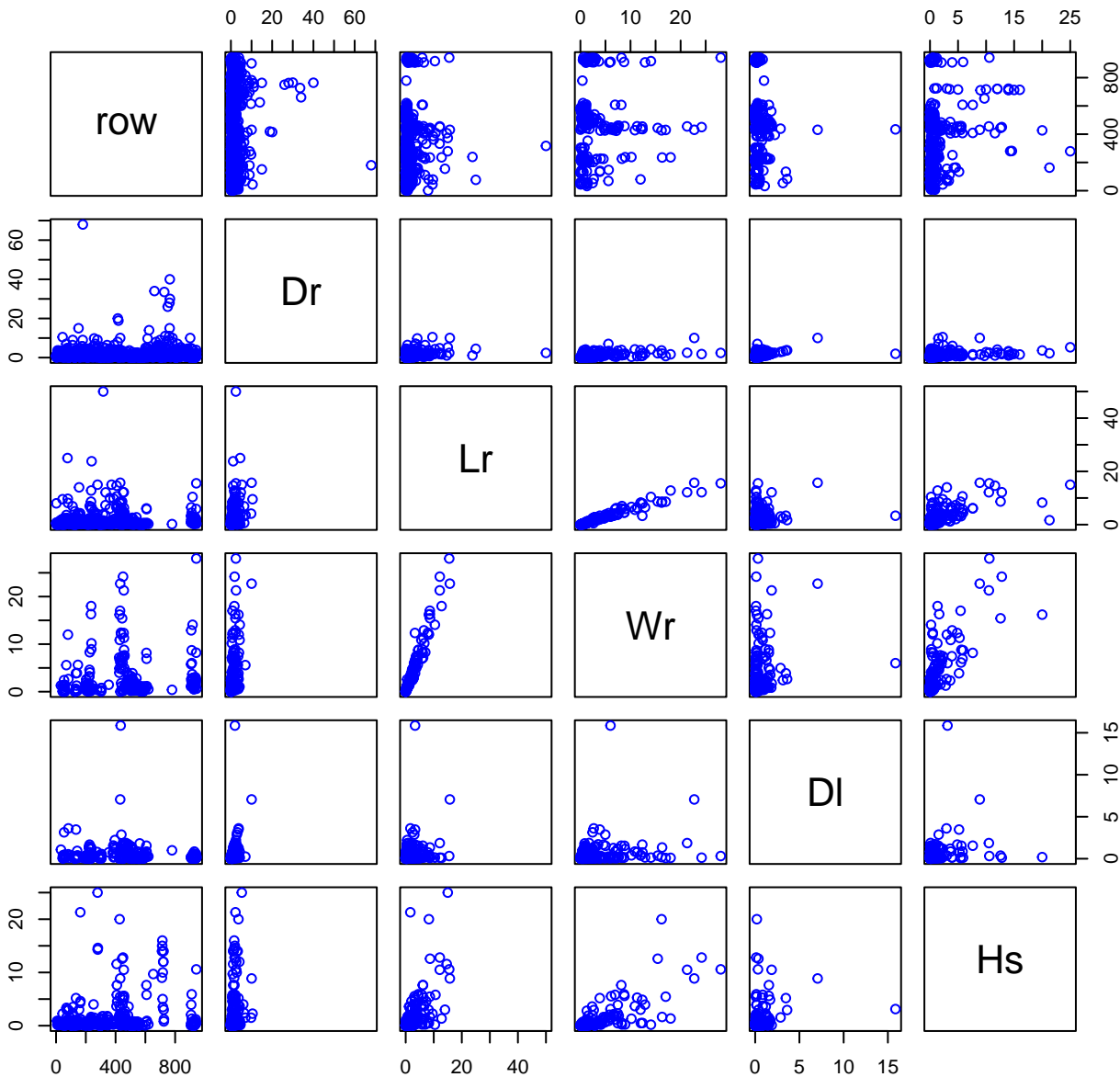
Variables:

Dr = maximum rooting depth of plant (meter)
Lr = maximum lateral root spread/one-sided (radius) linear distance
from stem reached by roots (meter)
Wr = rooting spread aka maximum root system diameter (meter)
Dl = depth of maximum lateral root (meter)
Hs = height of plant shoot (meter)
Ws = width of plant shoot (meter)
DBH = diameter at breast height of trees branching higher than
1.5meters; recorded at 1.3-1.5 meters (centimeter)
Vr = estimate of root system volume using a bi-conal shape
(meterCubed)
Vs = estimate of shoot volume using an ellipsoidal shape
(meterCubed)
Drel = relative maximum rooting depth (meter)
Lrel = relative maximum lateral spread (meter)
Y_Xshoot = above-ground dimensional aspect ratio indicator
(dimensionless)
Y_Xroot = below-ground dimensional aspect ratio (dimensionless)
S_Ry = vertical coordinative strategy indicator (dimensionless)
S_Rx = horizontal coordinative strategy indicator (dimensionless)
Lat = latitude (in decimal degrees) (degree)
Long = longitude (in decimal degrees) (degree)
Spatial_buffer = error estimate for the latitude and longitude,
meant to serve as a buffer or radius that the point represents
(kilometer)
Elevation = elevation (meter)
Water_Table_Depth_Fan = water table depth from Fan et al. (2017)
(meter)
BIO1 = annual mean temperature (kelvin)
BIO2 = mean diurnal range (kelvin)
BIO3 = isothermality (dimensionless)
BIO4 = temperature seasonality (dimensionless)
BIO5 = maximum temperature of warmest month (kelvin)
BIO6 = minimum temperature of coldest month (kelvin)
BIO7 = temperature annual range (kelvin)
BIO8 = mean temperature of wettest quarter (kelvin)
BIO9 = mean temperature of driest quarter (kelvin)
BIO10 = mean temperature of warmest quarter (kelvin)
BIO11 = mean temperature of coldest quarter (kelvin)
BIO13 = precipitation of wettest month (meter)
BIO14 = precipitation of driest month (meter)
BIO15 = precipitation seasonality (dimensionless)

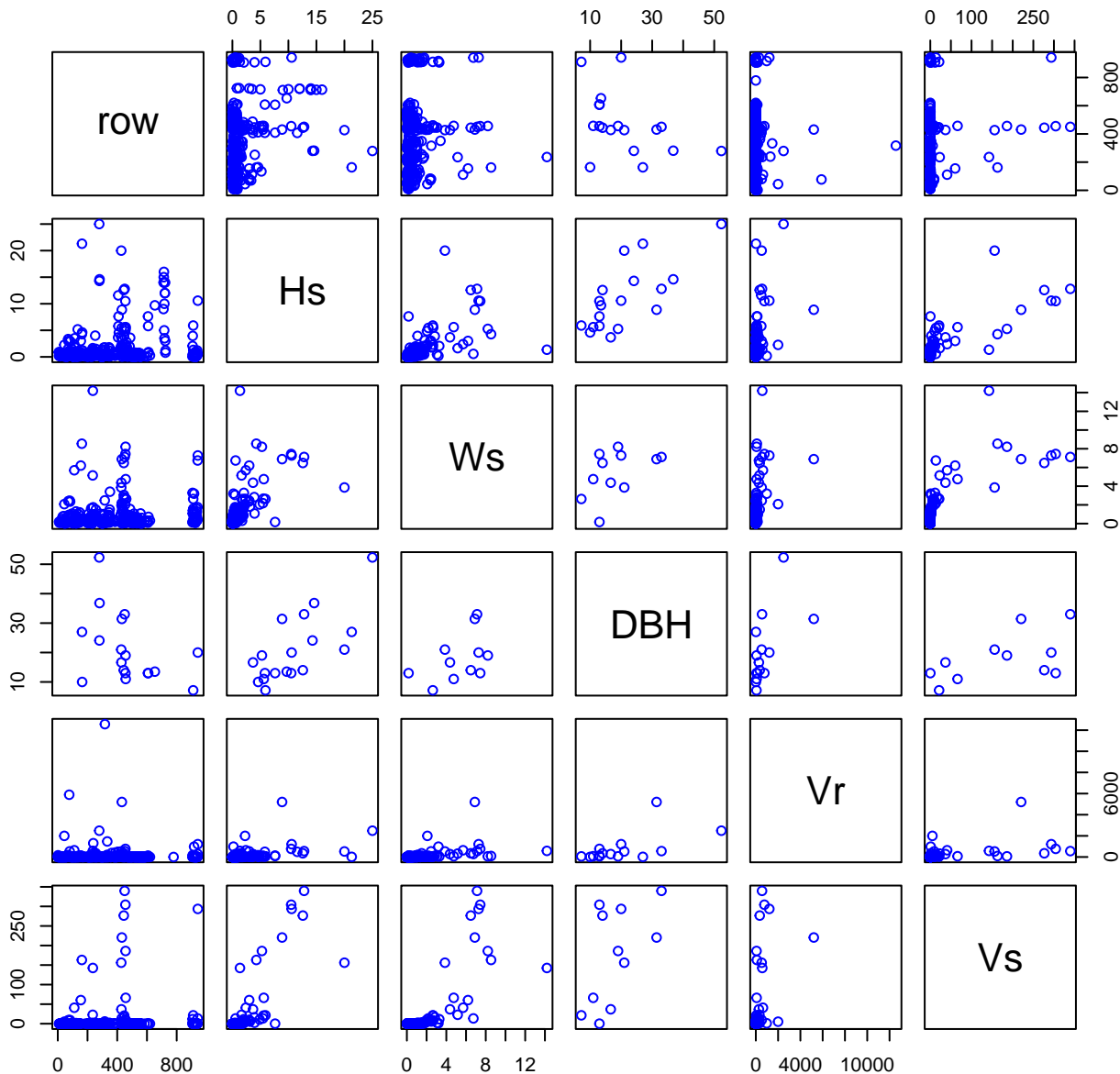
BIO16 = precipitation of wettest quarter (meter)
BIO17 = precipitation of driest quarter (meter)
BIO18 = precipitation of warmest quarter (meter)
BIO19 = precipitation of coldest quarter (meter)
MAP = mean annual precipitation. taken from primary literature or
worldClim data (BIO12) (meter)
MAE = mean annual potential evapotranspiration. taken from primary
literature or calculated using Hargreave's equation (Trabucco & Zomer, 2009)
(meter)
Ai = aridity index (meter)
Sa = annual water storage index (dimensionless)
Msur = months with a surplus of water (dimensionless)
Mdef = months with a deficit of water (dimensionless)
Psur = annual seasonal surplus of water (dimensionless)
Pdef = annual seasonal deficit of water (dimensionless)

Variable	Min	Median	Mean	Max	NAs
Dr	0.000	1.100	1.969	120.000	21
Lr	0.007	0.531	1.784	50.000	2780
Wr	0.012	1.060	3.449	1560.000	3898
Dl	0.000	0.190	0.448	15.860	3885
Hs	0.000	0.420	1.846	92.000	3281
Ws	0.000	0.324	2.431	3307.172	3580
DBH	1.000	16.000	20.431	151.220	5515
Vr	0.000	0.540	92.683	18849.560	2797
Vs	0	0	1081	2061649	3644
Drel	0.000	43.704	1112.612	186211.283	3647
Lrel	0.000	27.629	412.767	33422.538	3738
Y_Xshoot	0.000	1.170	1.707	46.590	3644
Y_Xroot	0.000	0.820	1.282	50.670	2716
S_Ry	0.000	0.530	1.374	29.000	3286
S_Rx	0.000	0.310	2.203	3481.230	3680
Lat	-46.520	41.520	31.420	72.450	64
Long	-156.685	13.850	-12.047	174.300	63
Spatial_buff	0.000	10.555	83.215	917.674	2322
Elevation	-411.000	505.000	794.426	9500.000	1327
Water_Table_	0.000	2.400	9.351	141.000	5147
BIO1	259.038	283.070	284.685	303.180	95
BIO2	4.920	11.325	11.735	20.975	95
BIO3	14.170	33.099	38.349	91.573	95
BIO4	22.797	790.400	765.694	1778.820	95
BIO5	278.450	299.650	300.239	317.450	95
BIO6	234.550	265.050	267.518	296.550	95
BIO7	6.900	32.400	32.721	63.100	95
BIO8	263.520	291.120	289.705	307.570	95
BIO9	242.400	274.500	279.800	307.520	95
BIO10	273.280	293.450	293.920	308.600	95
BIO11	240.000	272.600	275.152	301.900	95
BIO13	0.001	0.096	0.114	0.643	95
BIO14	0.000	0.019	0.025	0.212	95
BIO15	7.871	45.964	53.416	160.647	95
BIO16	0.001	0.262	0.308	1.519	95
BIO17	0.000	0.067	0.089	0.657	95
BIO18	0.000	0.198	0.230	0.913	95
BIO19	0.000	0.104	0.136	1.409	95
MAP	0.001	0.662	0.747	4.000	64
MAE	0.192	0.996	1.101	2.268	67
Ai	0.000	0.620	0.797	6.360	67
Sa	0.000	0.050	0.094	1.191	101
Msur	0.000	4.000	4.500	20.000	161
Mdef	0.000	8.000	7.526	28.000	102
Psur	0.000	0.101	0.217	1.763	161
Pdef	0.000	0.488	0.568	2.204	102

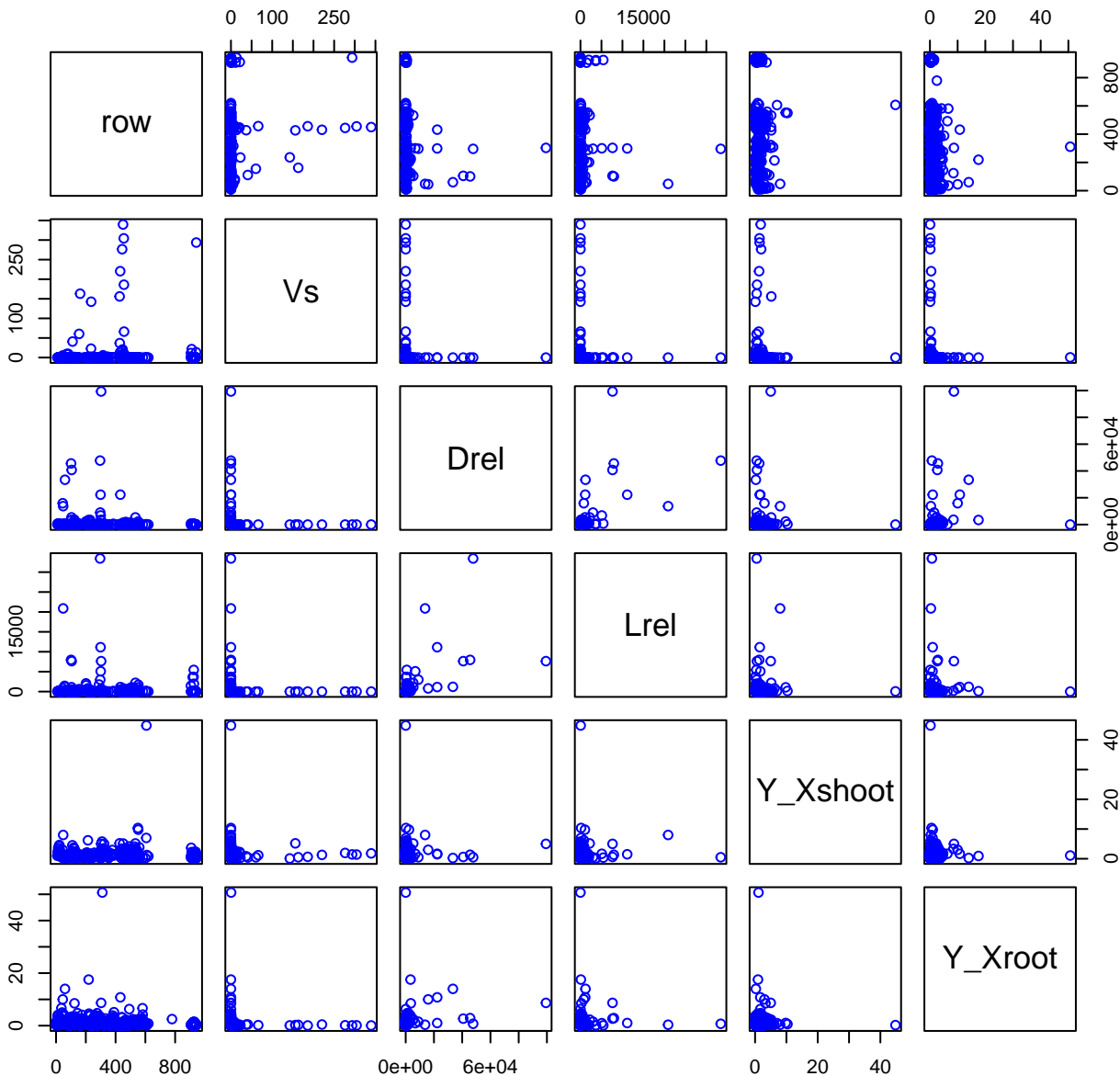
HF426-01 Plot 1



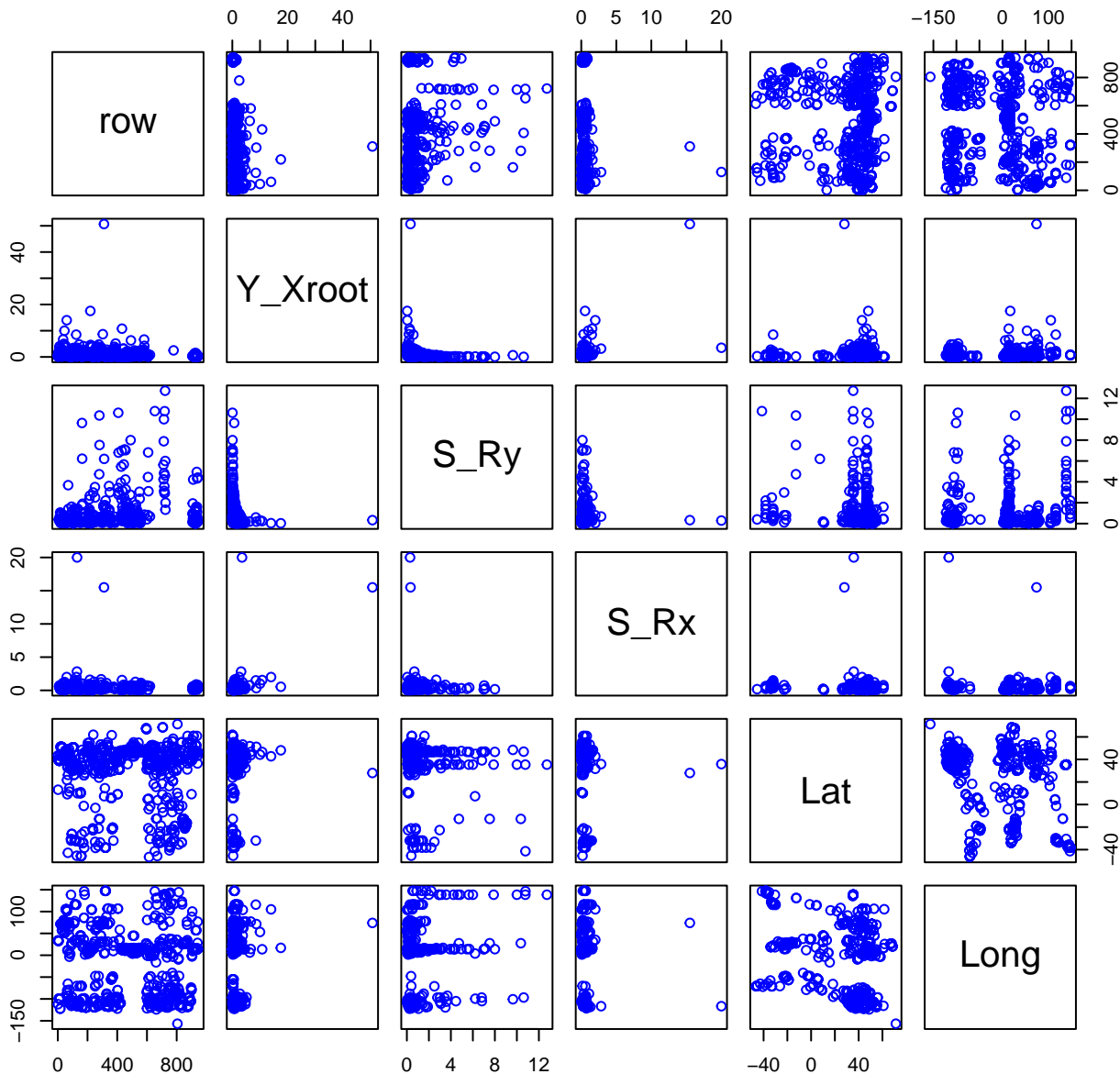
HF426-01 Plot 2



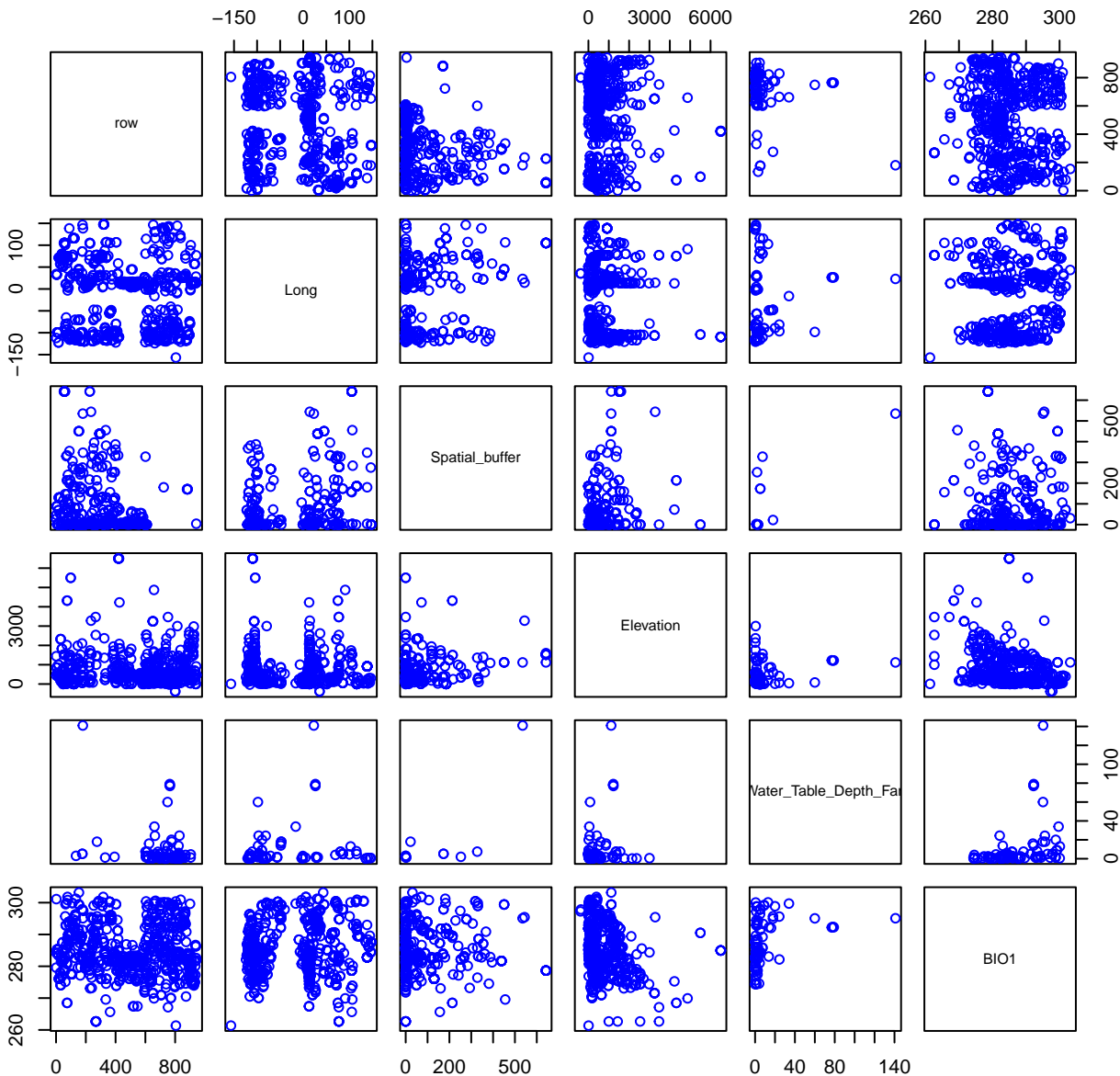
HF426-01 Plot 3



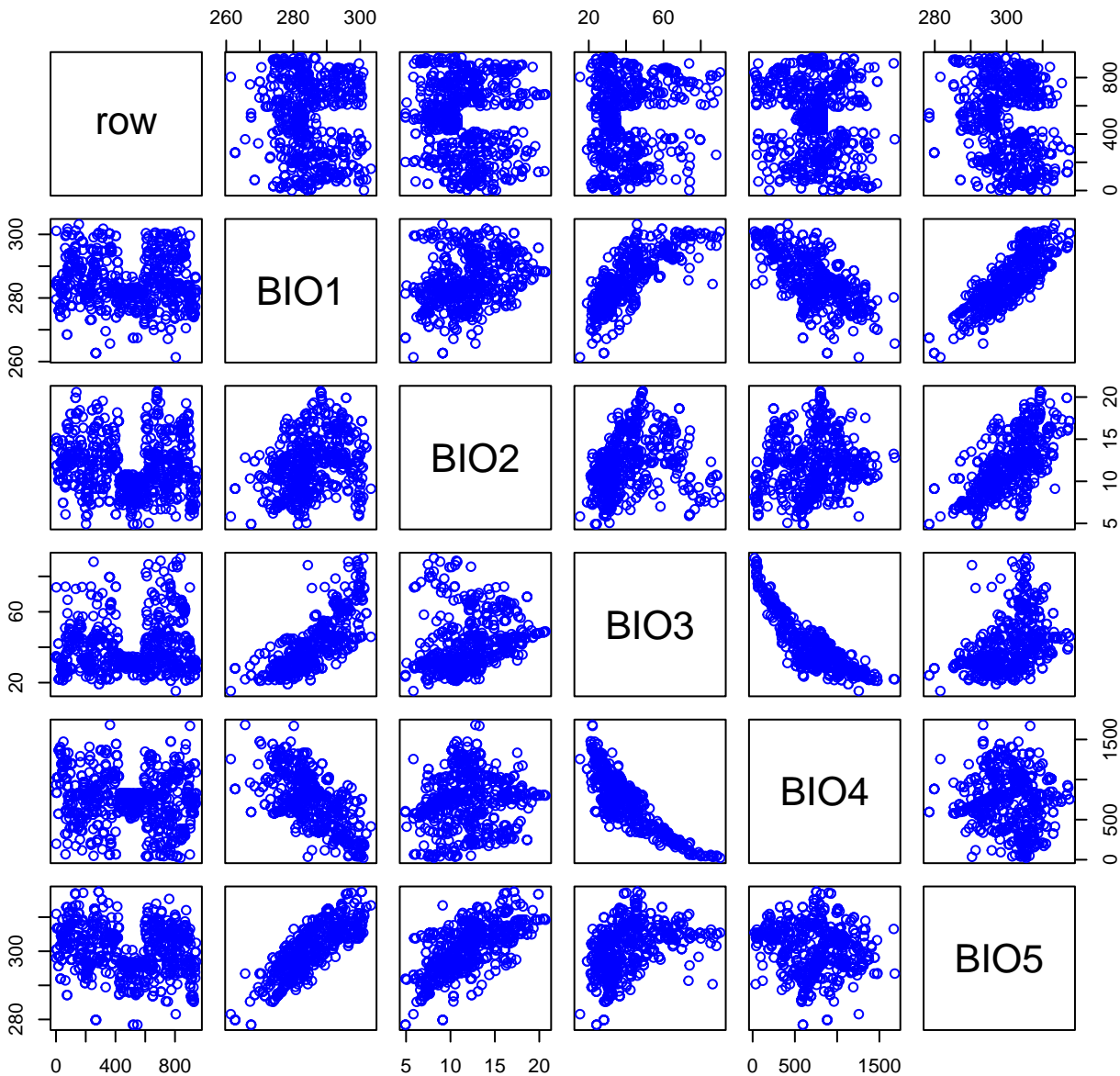
HF426-01 Plot 4



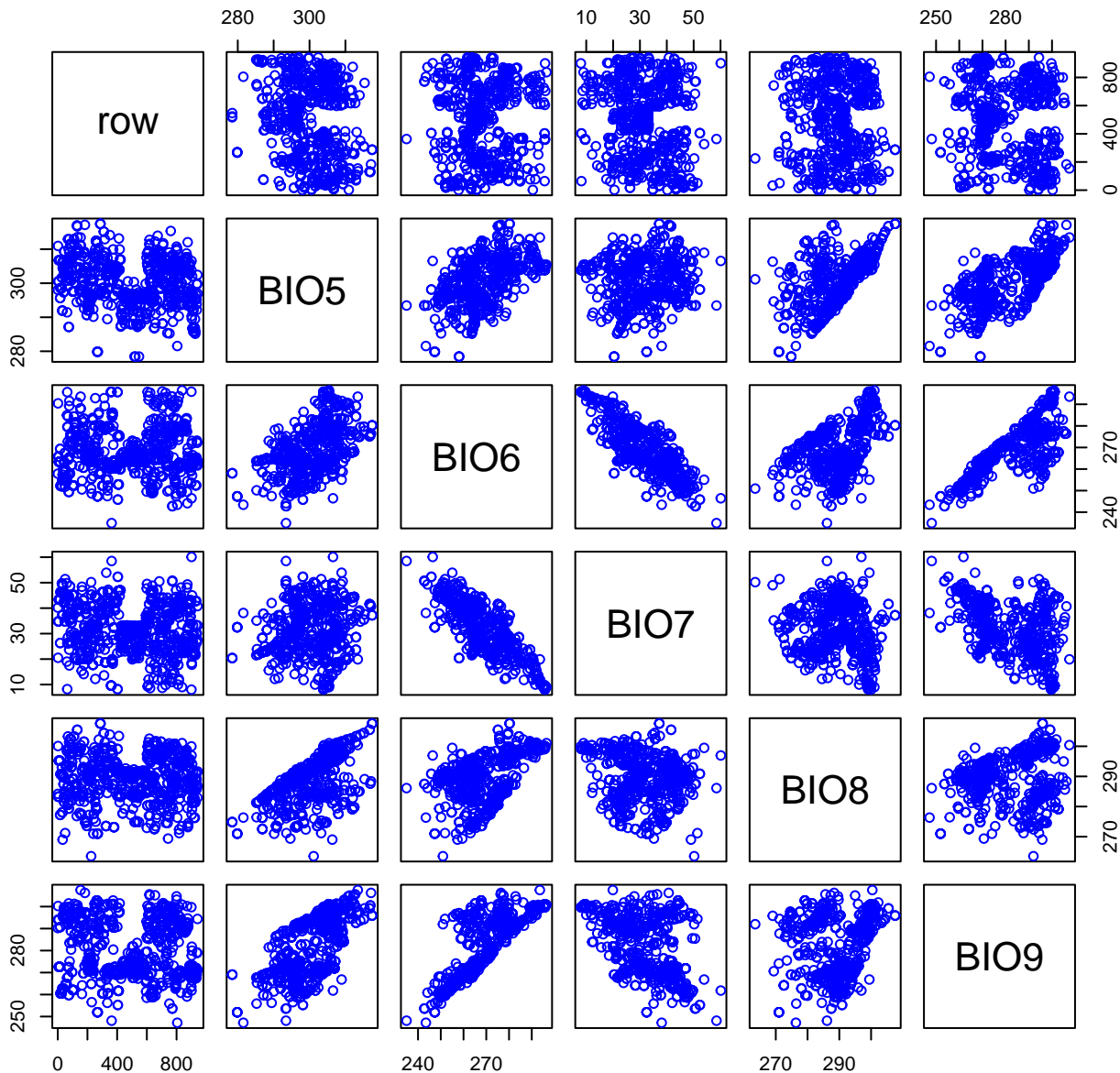
HF426-01 Plot 5



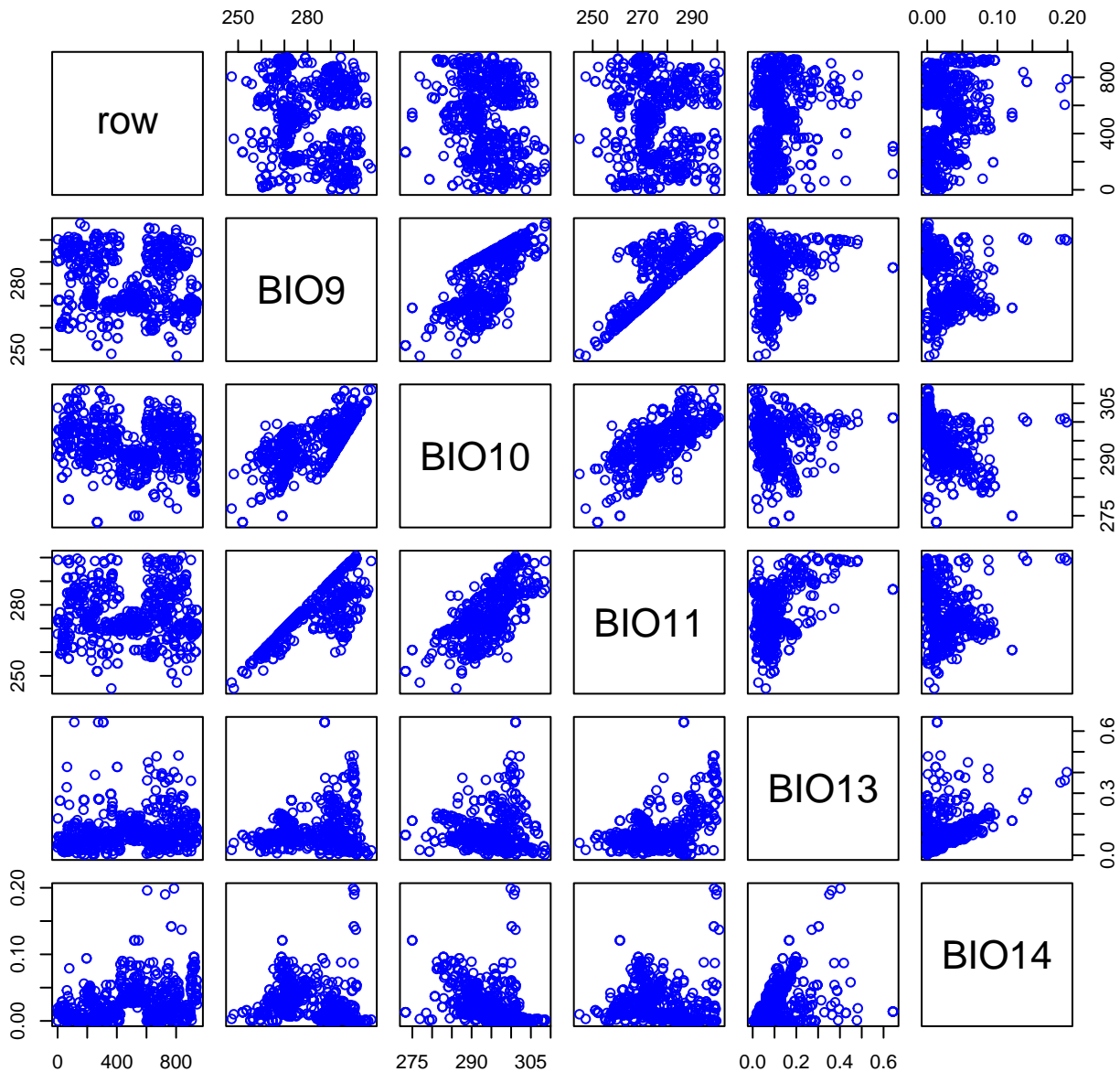
HF426-01 Plot 6



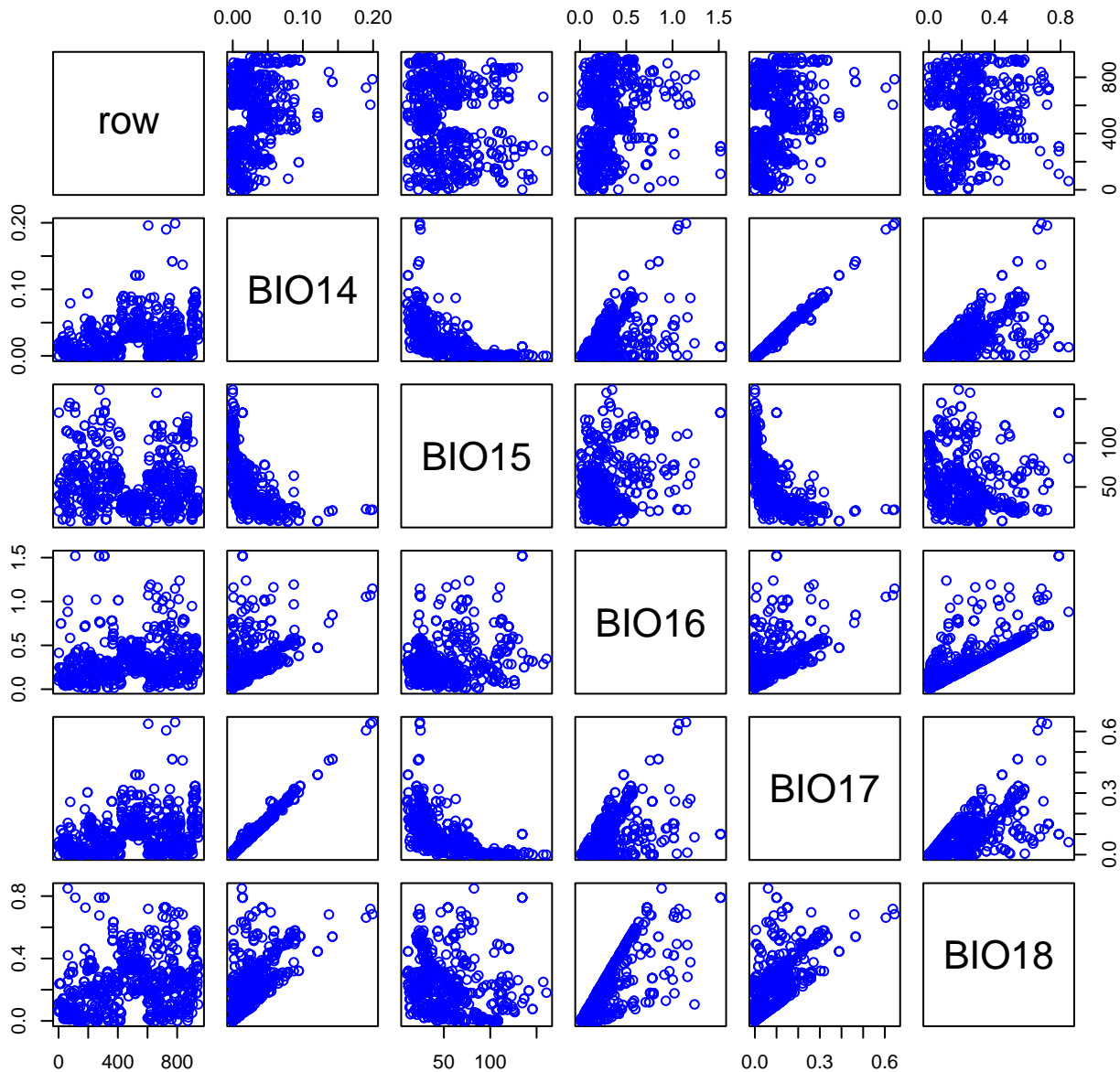
HF426-01 Plot 7



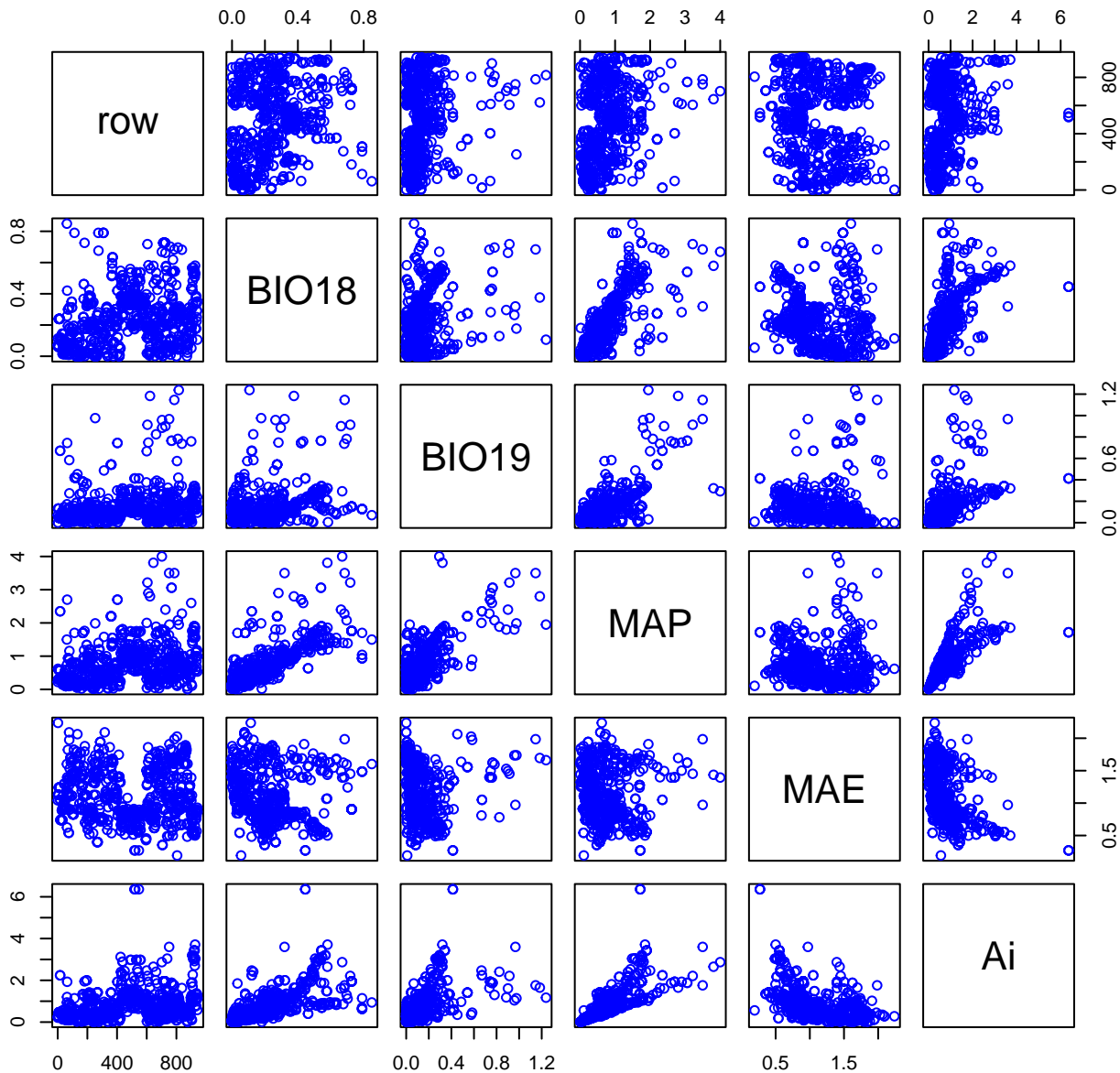
HF426-01 Plot 8



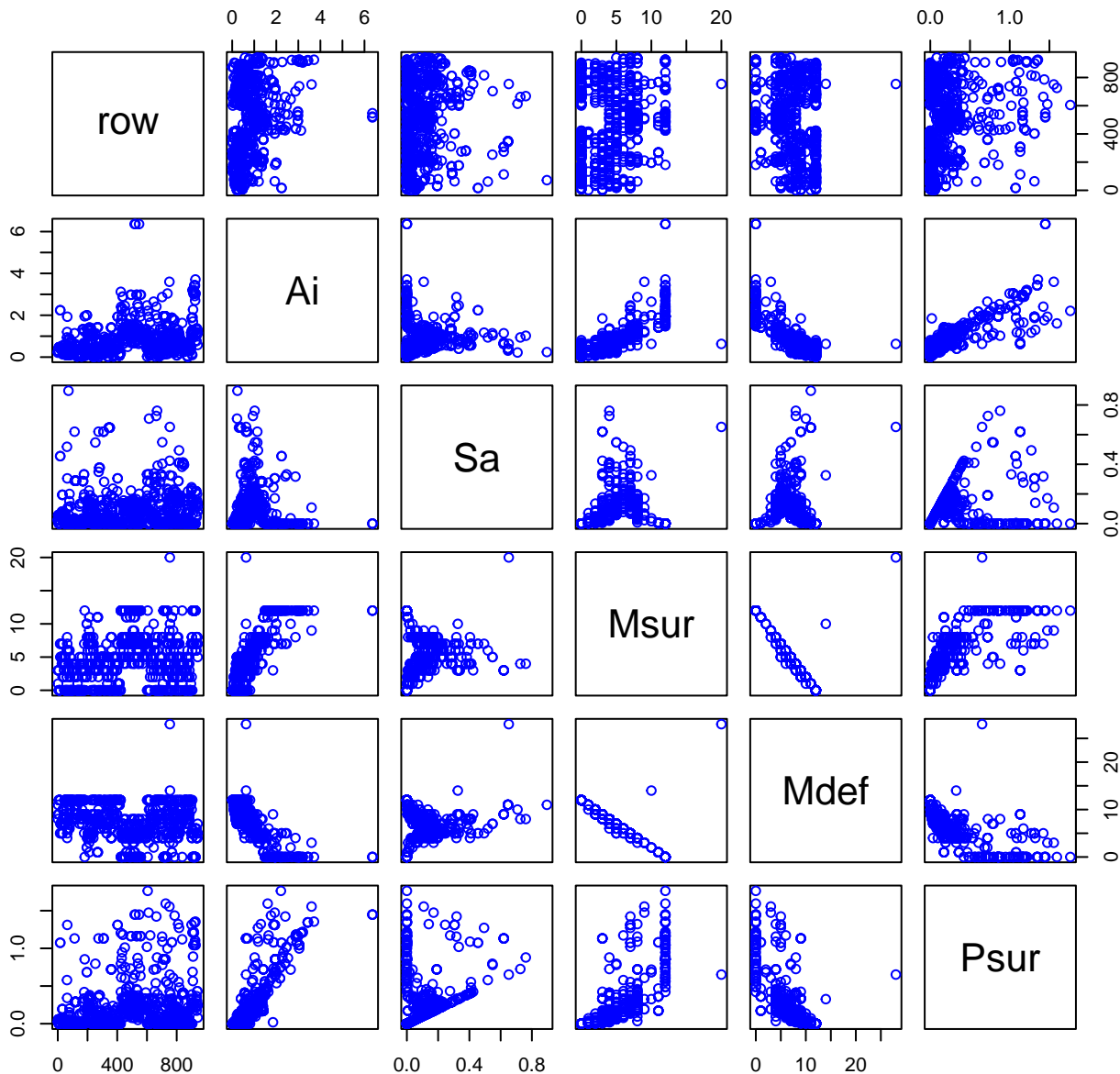
HF426-01 Plot 9



HF426-01 Plot 10



HF426-01 Plot 11



HF426-01 Plot 12

