Harvard Forest Data Archive HF081−02

Data File:

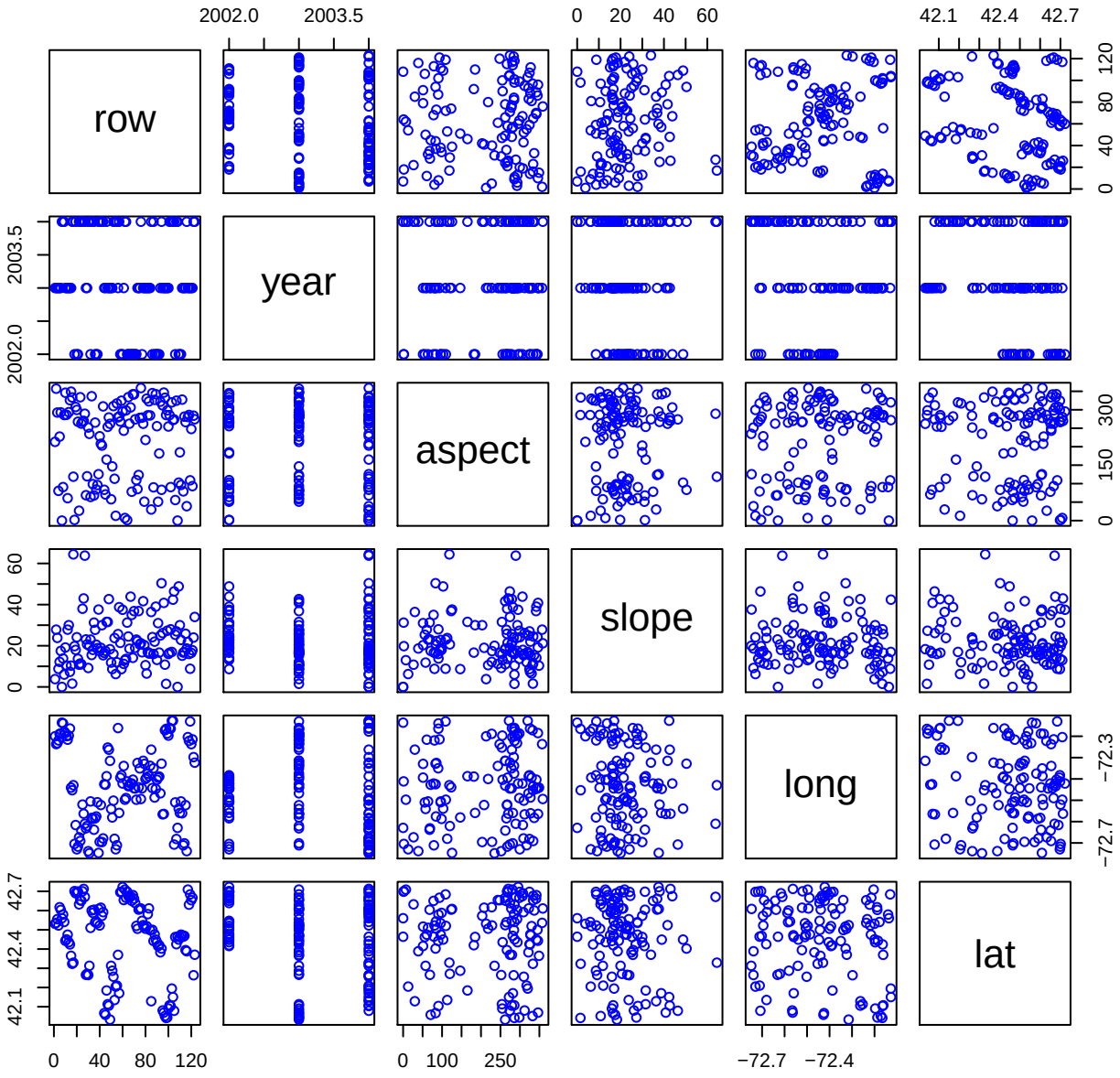
Name = hf081−02−ma.csv
Description = Massachusetts data
Rows = 123 Columns = 40
MD5 checksum = 8a4566b2073cd52ed01e3266987e94bc

Variables:

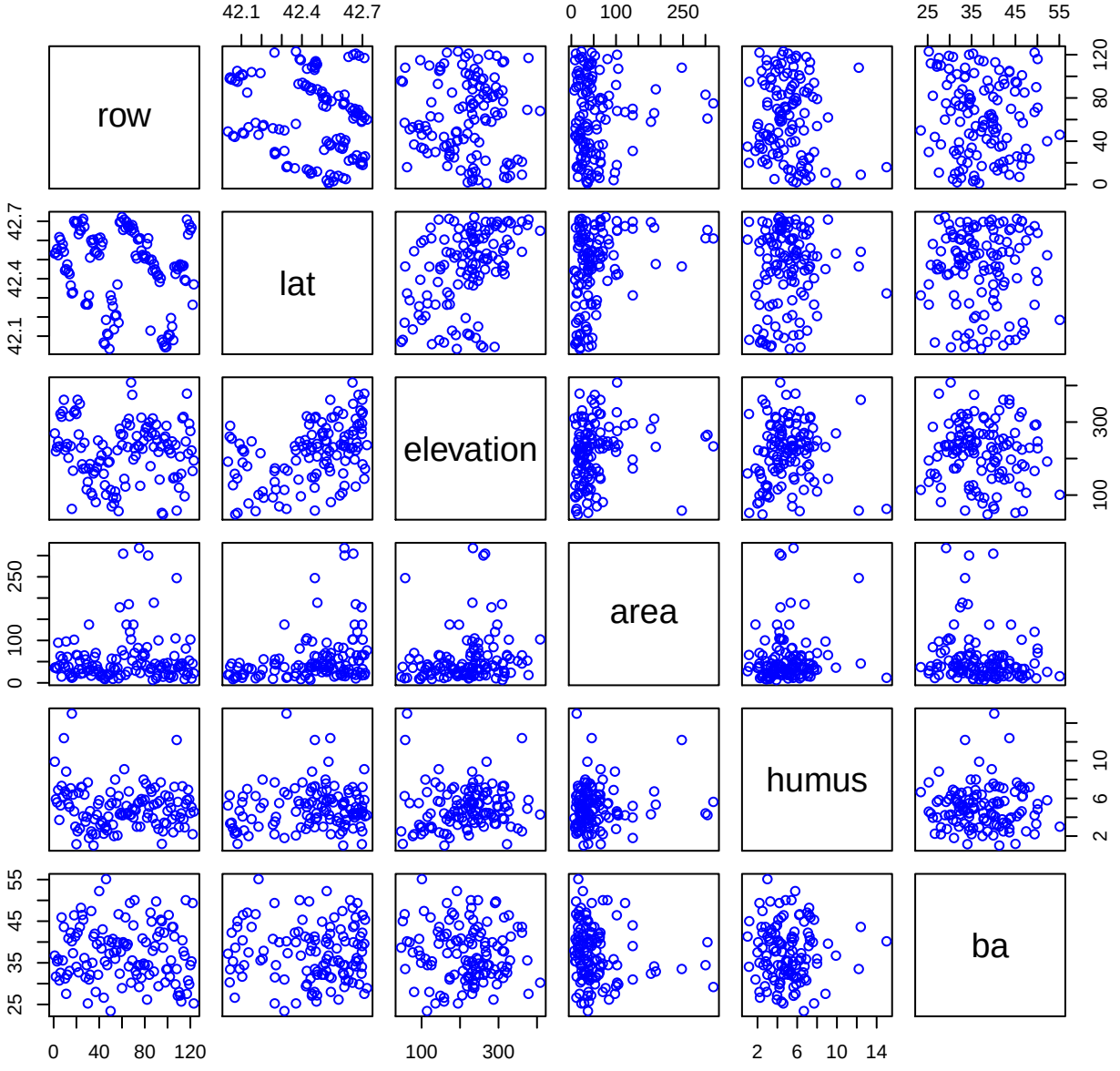
year = year when stand was sampled (2002−2004)
aspect = direction slope faces in degrees, derived from cruise and fixed−area, quantitative plots (degree)
slope = percent slope averaged from cruise and quantitative plots (number)
long = longitude of stand derived from Arcview (degree)
lat = latitude of stand derived from Arcview (degree)
elevation = elevation of plot in meters a.s.l. estimated from topo maps (meter)
area = stand size (hectare)
humus = depth of soil organic matter from quantitative plot (centimeter)
ba = average stand basal area derived from cruise plots (meterSquaredPerHectare)
hem.ba = average hemlock basal area from cruise plots (meterSquaredPerHectare)
hard.ba = average hardwood basal area from cruise plots (meterSquaredPerHectare)
live.ba = average live basal area from cruise plots (meterSquaredPerHectare)
dead.hem.ba = average dead hemlock basal area from cruise plots (meterSquaredPerHectare)
hem.mort = average hemlock mortality from cruise plots (%) (number)
hem.dbh = average hemlock dbh from quantitative plot (centimeter)
hard.dbh = average hardwood dbh from quantitative plot (centimeter)
qba = stand basal area derived from quantitative plot (meterSquaredPerHectare)
hem.iv = importance value derived by summing relative basal area from cruise plots and relative density from quantitative plots (number)
hem.den = total hemlock overstory density in quantitative plots (numberPerHectare)
dead.hem.den = dead hemlock density in quantitative plots (numberPerHectare)
tree.den = total overstory stem density in quantitative plots (numberPerHectare)
sap.den = total sapling stem density in quantitative plots (numberPerHectare)
live.sap.den = live sapling density in quantitative plots (numberPerHectare)
live.hem.sap.den = live hemlock sapling density in quantitative plots (numberPerHectare)

dead.hem.sap.den = dead hemlock sapling density in quantitative plots (numberPerHectare)
acer.sap = sapling density of maple species (numberPerHectare)
bele.sap = sapling density of black birch (numberPerHectare)
quru.sap = sapling density of red oak (numberPerHectare)
pist.sap = sapling density of white pine (numberPerHectare)
under.rich = number of understory species tallied in quantitative plots (herb, shrub, and seedlings) (number)

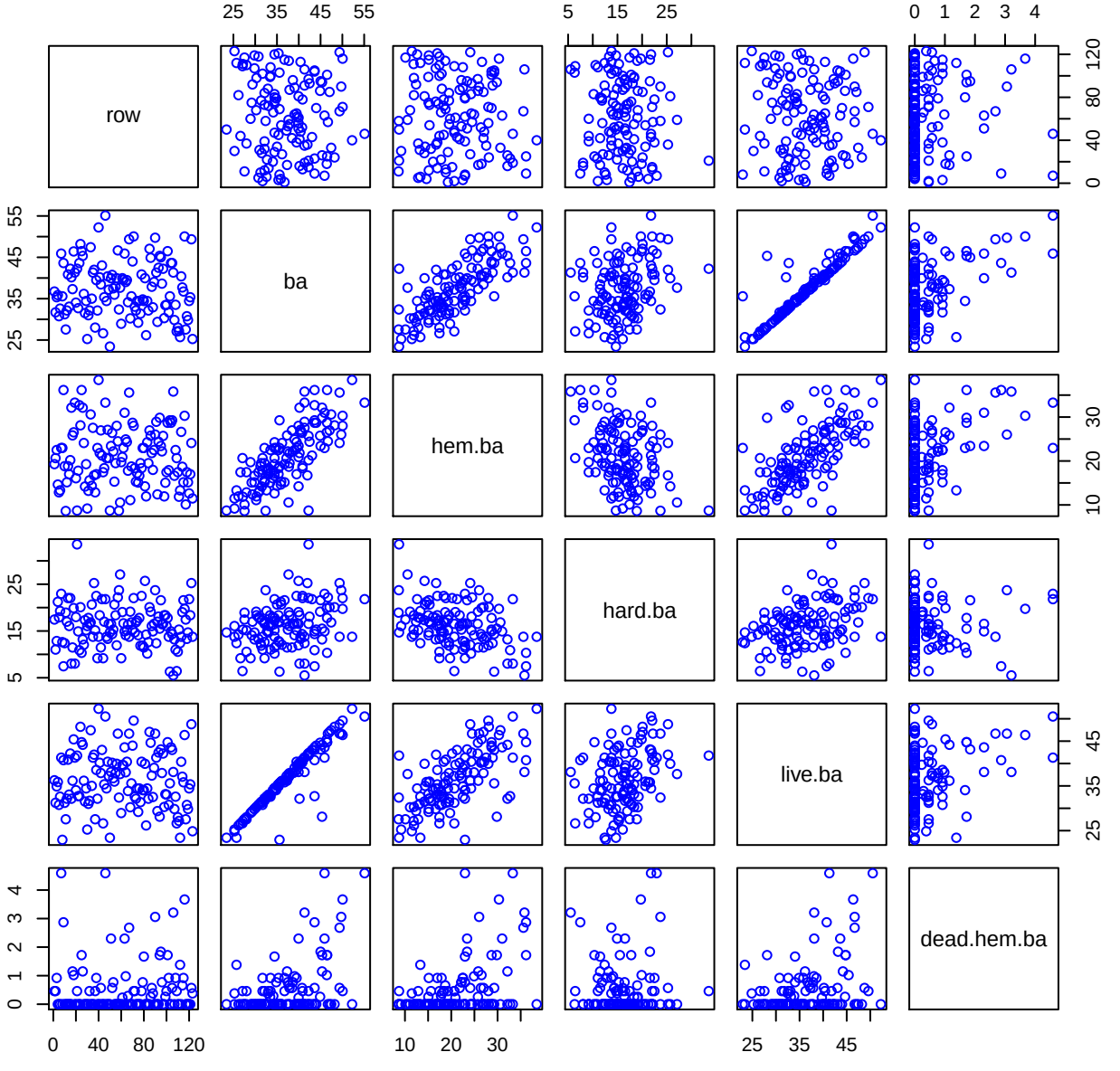
Variable	Min	Median	Mean	Max	NAs
year	2002.000	2003.000	2003.114	2004.000	0
aspect	0.000	265.290	215.246	358.800	0
slope	0.000	19.170	22.095	64.400	0
long	−72.748	−72.434	−72.435	−72.127	0
lat	42.033	42.505	42.457	42.722	0
elevation	46.970	228.070	217.548	408.220	0
area	6.760	37.640	54.797	317.810	0
humus	1.000	4.830	5.042	15.000	0
ba	23.420	36.730	37.253	55.100	0
hem.ba	8.620	20.660	21.037	38.450	0
hard.ba	5.510	16.070	16.215	33.520	0
live.ba	22.960	35.810	36.396	52.230	0
dead.hem.ba	0.000	0.000	0.491	4.590	0
hem.mort	0.000	0.000	1.997	20.000	0
hem.dbh	12.570	22.180	22.701	41.450	0
hard.dbh	14.960	25.150	25.237	47.290	0
qba	18.670	49.380	48.690	81.410	0
hem.iv	25.450	60.950	59.939	89.390	0
hem.den	175.000	600.000	639.024	1450.000	0
dead.hem.den	0.000	25.000	53.659	400.000	0
tree.den	400.000	950.000	993.496	2125.000	0
sap.den	0.000	550.000	626.016	2325.000	0
live.sap.den	0.000	475.000	572.561	2325.000	0
live.hem.sap	0.000	375.000	452.236	1800.000	0
dead.hem.sap	0.000	25.000	54.065	375.000	0
acer.sap	0.000	0.000	22.358	400.000	0
bele.sap	0.000	0.000	42.276	1500.000	0
quru.sap	0.000	0.000	2.439	225.000	0
pist.sap	0.000	0.000	3.862	150.000	0
under.rich	3.000	12.000	13.325	38.000	0


HF081−02 Plot 1
row
year
aspect
slope
long
lat
2002.0
2003.5
0
20
40
60
42.1
42.4
42.7
120
80
300
150
−72.3
−72.7
100
250
−72.4

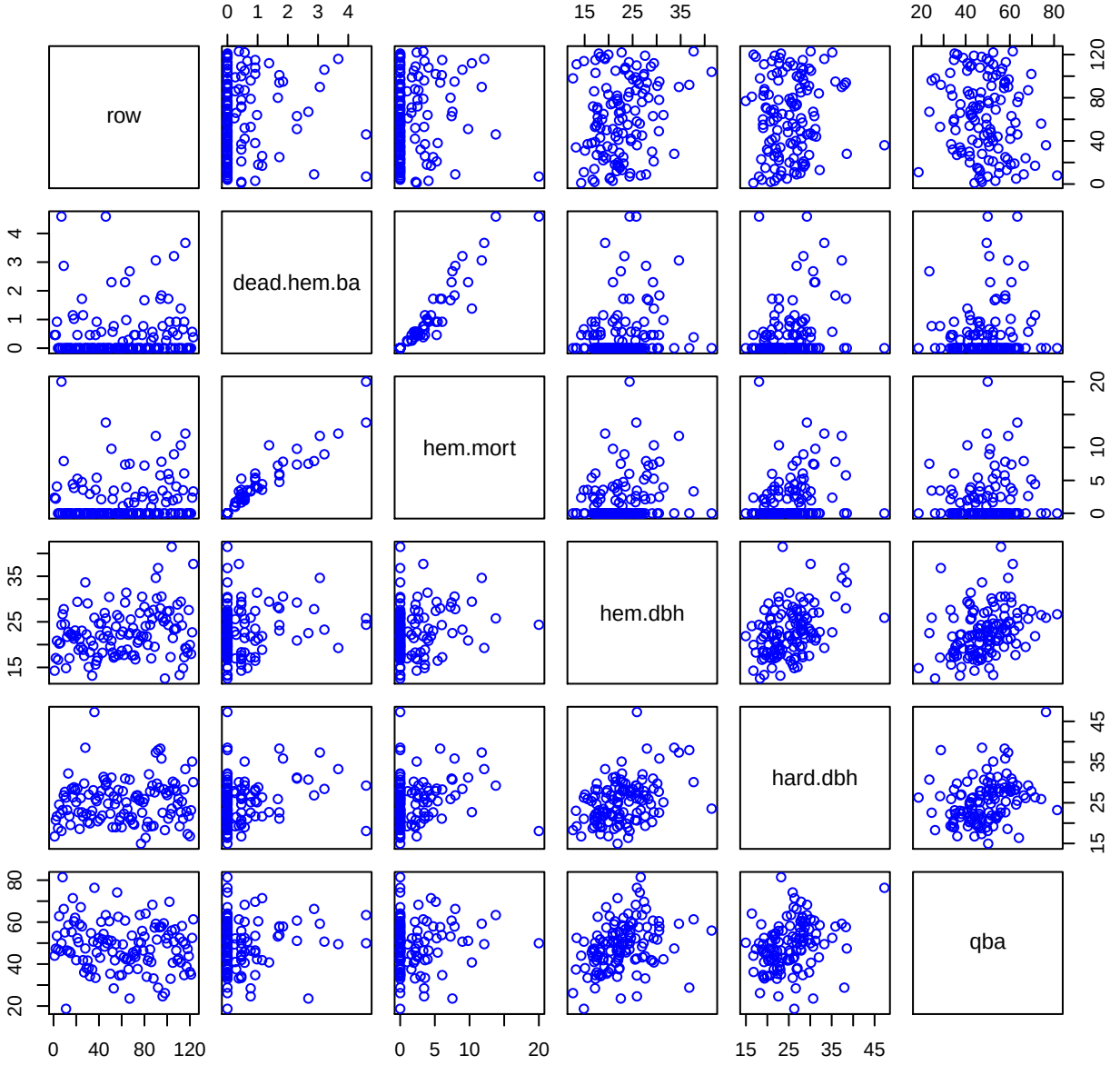
HF081−02 Plot 2



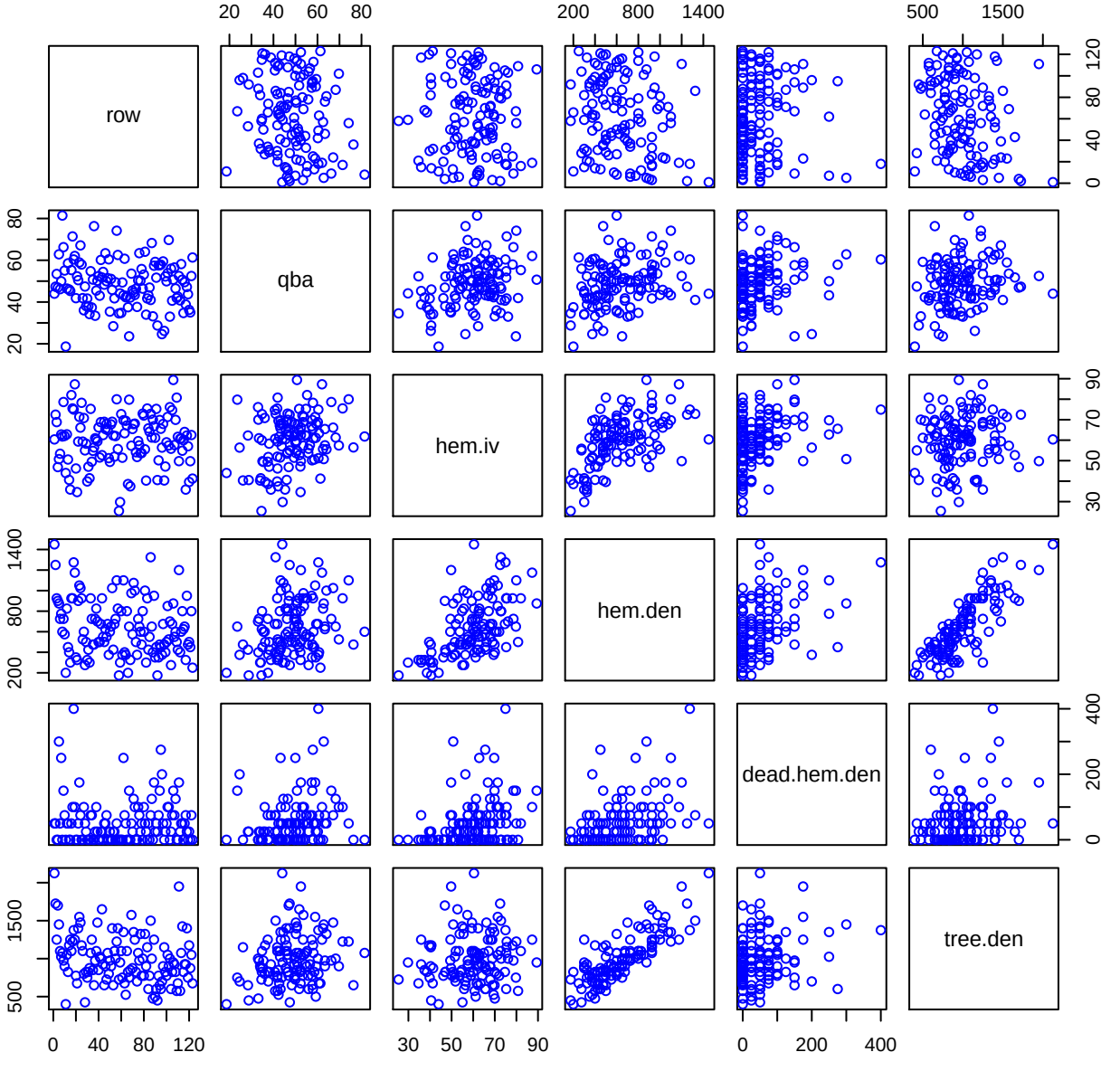
HF081−02 Plot 3



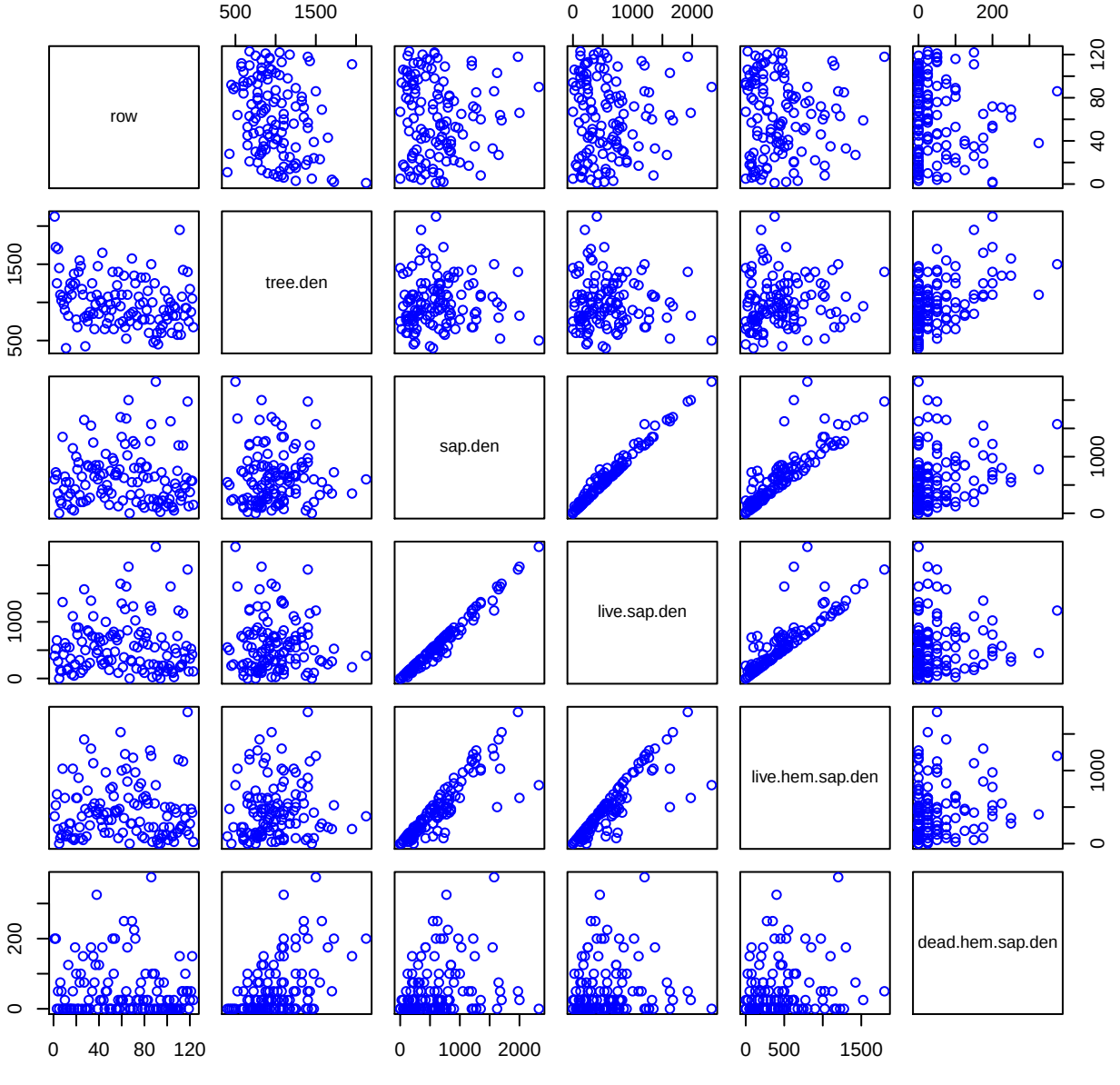
HF081−02 Plot 4



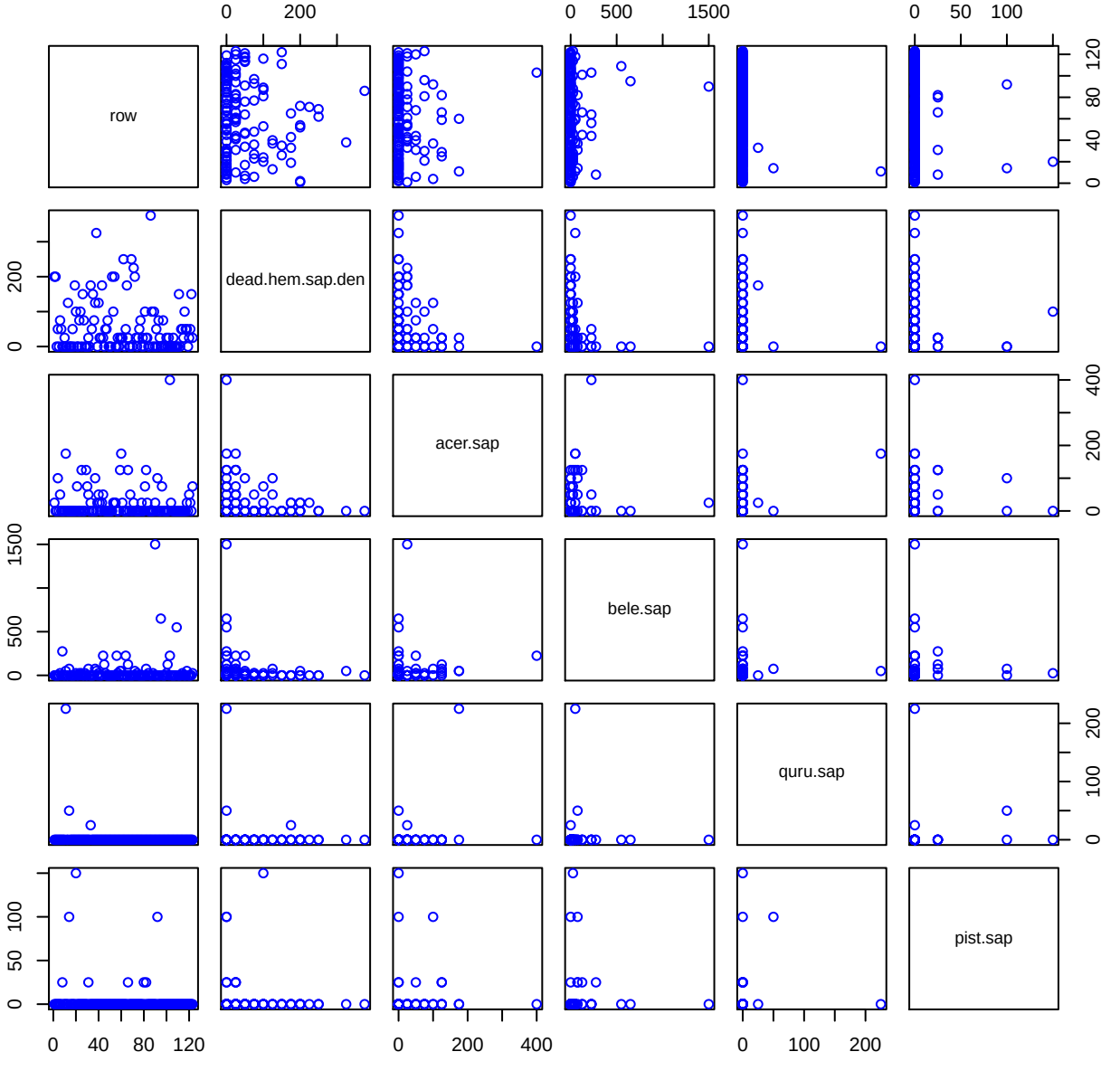
HF081−02 Plot 5



HF081−02 Plot 6



HF081−02 Plot 7



HF081−02 Plot 8