

Harvard Forest Data Archive HF421-09

Data File:

Name = hf421-09-leaf-fluorescence.csv
Description = leaf fluorescence
Rows = 200 Columns = 41
MD5 checksum = 76137f724c840577d4d0c4519d0943d4

Variables:

Fo.1 = first measurement of minimum fluorescence (dimensionless)
Fm.1 = first measurement of maximum fluorescence (dimensionless)
FvOverFm.1 = first measurement of the ratio of variable and maximum
fluorescence (dimensionless)
Fo.2 = second measurement of minimum fluorescence (dimensionless)
Fm.2 = second measurement of maximum fluorescence (dimensionless)
FvOverFm.2 = second measurement of the ratio of variable and maximum
fluorescence (dimensionless)
Fo.3 = third measurement of minimum fluorescence (dimensionless)
Fm.3 = third measurement of maximum fluorescence (dimensionless)
FvOverFm.3 = third measurement of the ratio of variable and maximum
fluorescence (dimensionless)
Fo.4 = fourth measurement of minimum fluorescence (dimensionless)
Fm.4 = fourth measurement of maximum fluorescence (dimensionless)
FvOverFm.4 = fourth measurement of the ratio of variable and maximum
fluorescence (dimensionless)
Fo.5 = fifth measurement of minimum fluorescence (dimensionless)
Fm.5 = fifth measurement of maximum fluorescence (dimensionless)
FvOverFm.5 = fifth measurement of the ratio of variable and maximum
fluorescence (dimensionless)
Fo.dark.1 = first measurement of dark-adapted minimum fluorescence
(dimensionless)
Fm.dark.1 = first measurement of dark-adapted maximum fluorescence
(dimensionless)
FvOverFm.dark.1 = first measurement of the dark-adapted ratio of
variable and maximum fluorescence (dimensionless)
Fo.dark.2 = second measurement of dark-adapted minimum fluorescence
(dimensionless)
Fm.dark.2 = second measurement of dark-adapted maximum fluorescence
(dimensionless)
FvOverFm.dark.2 = second measurement of the dark-adapted ratio of
variable and maximum fluorescence (dimensionless)
Fo.dark.3 = third measurement of dark-adapted minimum fluorescence
(dimensionless)
Fm.dark.3 = third measurement of dark-adapted maximum fluorescence
(dimensionless)
FvOverFm.dark.3 = third measurement of the dark-adapted ratio of
variable and maximum fluorescence (dimensionless)
Fo.dark.4 = fourth measurement of dark-adapted minimum fluorescence
(dimensionless)

Fm.dark.4 = fourth measurement of dark-adapted maximum fluorescence
(dimensionless)

FvOverFm.dark.4 = fourth measurement of the dark-adapted ratio of
variable and maximum fluorescence (dimensionless)

Fo.dark.5 = fifth measurement of dark-adapted minimum fluorescence
(dimensionless)

Fm.dark.5 = fifth measurement of dark-adapted maximum fluorescence
(dimensionless)

FvOverFm.dark.5 = fifth measurement of the dark-adapted ratio of
variable and maximum fluorescence (dimensionless)

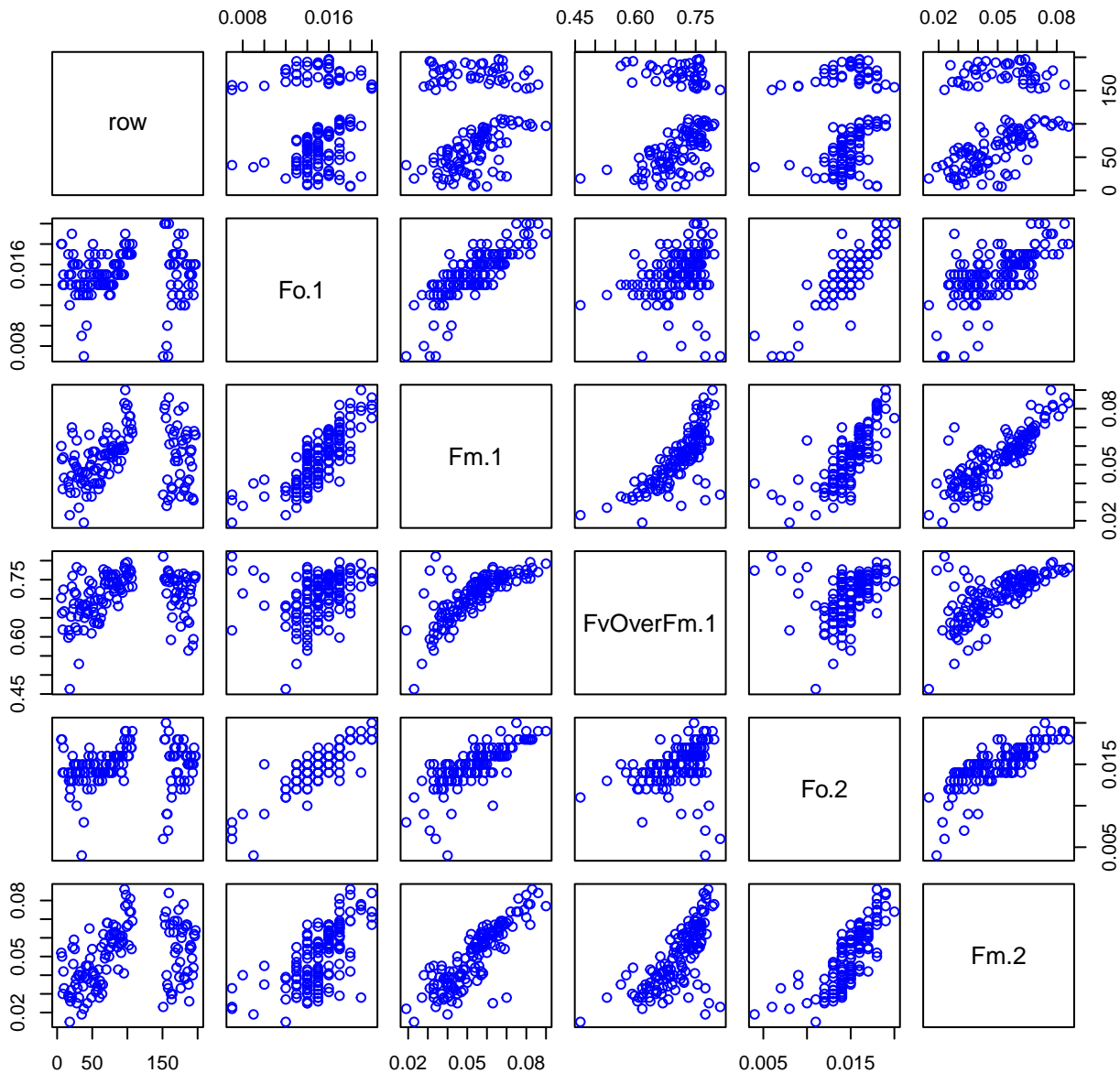
fresh.weight = weight of the leaf when collected (gram)

dry.weight = weight of the leaf after oven-drying (gram)

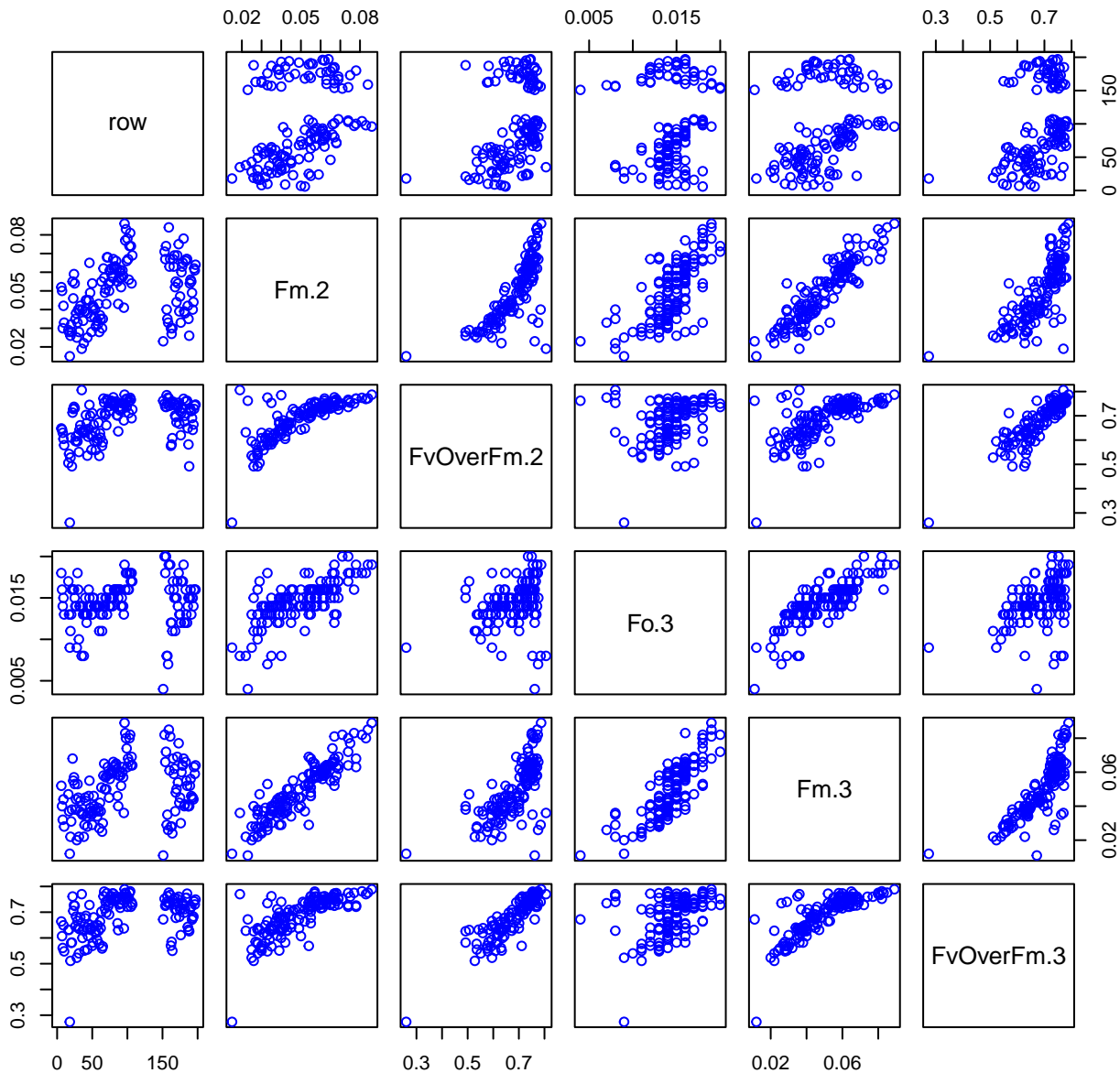
moisture.content = moisture content of the leaf (dimensionless)

Variable	Min	Median	Mean	Max	NAs
Fo.1	0.007	0.015	0.015	0.020	59
Fm.1	0.019	0.054	0.054	0.090	59
FvOverFm.1	0.463	0.718	0.707	0.811	59
Fo.2	0.004	0.015	0.015	0.020	59
Fm.2	0.015	0.051	0.050	0.086	59
FvOverFm.2	0.260	0.711	0.685	0.806	59
Fo.3	0.004	0.015	0.015	0.020	59
Fm.3	0.011	0.050	0.050	0.089	59
FvOverFm.3	0.274	0.711	0.687	0.789	59
Fo.4	0.004	0.015	0.015	0.020	61
Fm.4	0.015	0.050	0.051	0.088	59
FvOverFm.4	0.280	0.708	0.695	0.804	59
Fo.5	0.004	0.015	0.015	0.020	60
Fm.5	0.015	0.051	0.051	0.086	59
FvOverFm.5	0.408	0.714	0.693	0.795	59
Fo.dark.1	0.012	0.016	0.017	0.166	6
Fm.dark.1	0.052	0.080	0.081	0.100	6
FvOverFm.dar	0.705	0.803	0.800	0.920	6
Fo.dark.2	0.012	0.016	0.016	0.019	6
Fm.dark.2	0.058	0.080	0.081	0.102	6
FvOverFm.dar	0.677	0.804	0.801	0.836	6
Fo.dark.3	0.010	0.016	0.016	0.020	6
Fm.dark.3	0.041	0.078	0.079	0.103	6
FvOverFm.dar	0.520	0.804	0.802	0.982	6
Fo.dark.4	0.004	0.016	0.015	0.019	6
Fm.dark.4	0.017	0.080	0.078	0.106	6
FvOverFm.dar	0.654	0.806	0.803	0.930	6
Fo.dark.5	0.007	0.016	0.016	0.021	6
Fm.dark.5	0.042	0.080	0.080	0.101	6
FvOverFm.dar	0.596	0.806	0.801	0.843	6
fresh.weight	0.086	0.626	0.650	1.177	5
dry.weight	0.129	0.296	0.306	0.565	9
moisture.con	39.460	47.180	49.218	442.760	10

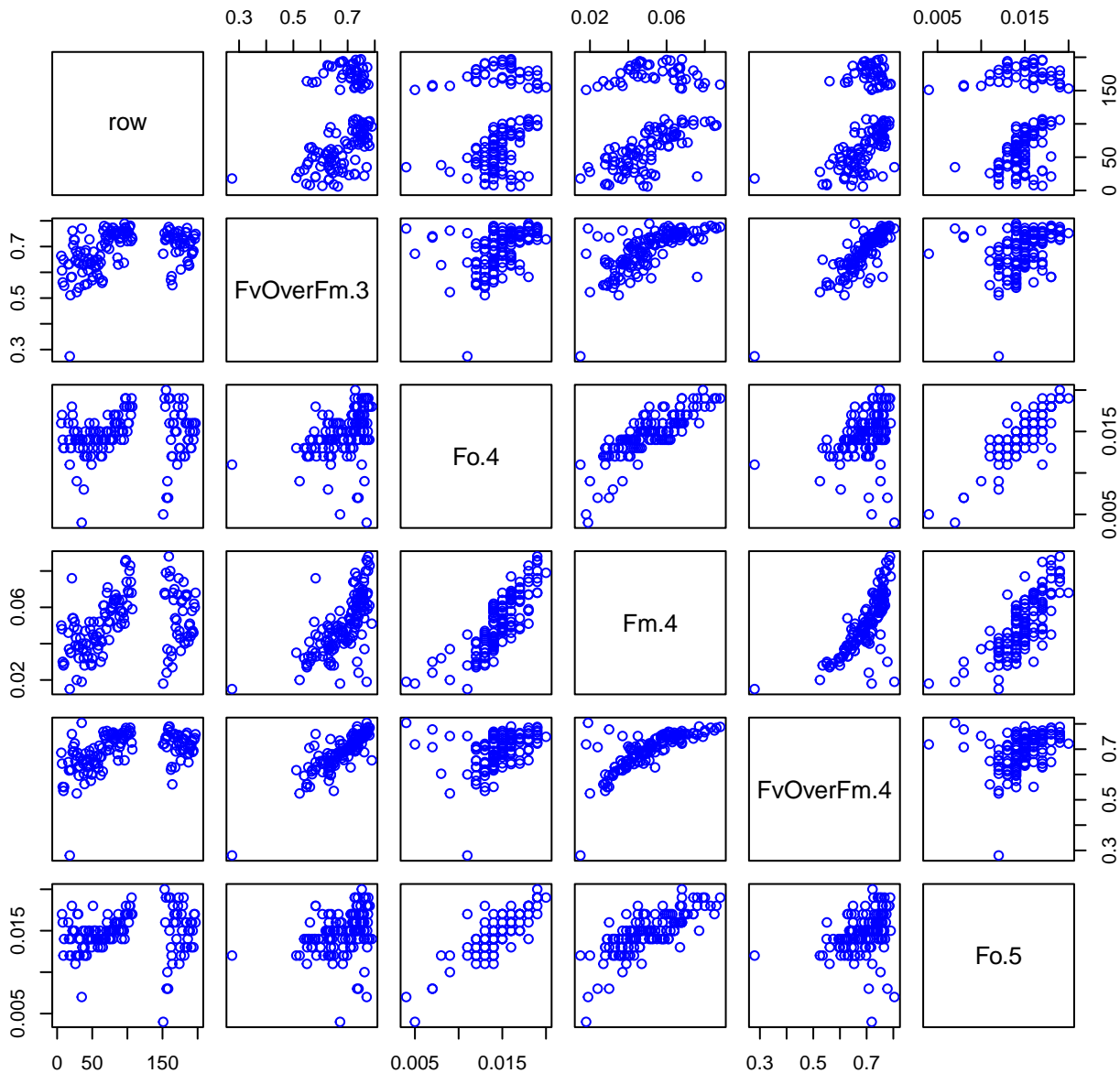
HF421-09 Plot 1



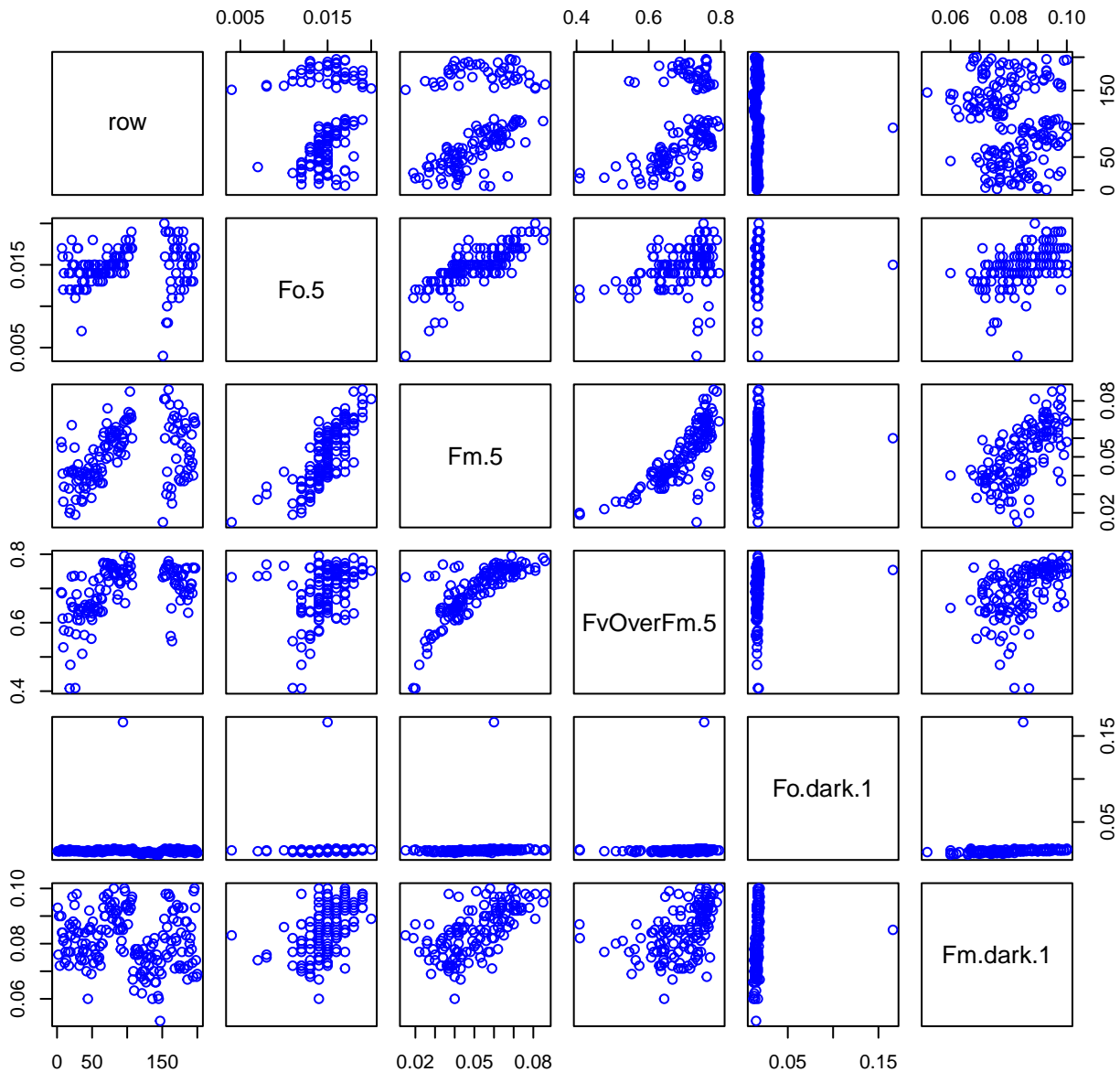
HF421-09 Plot 2



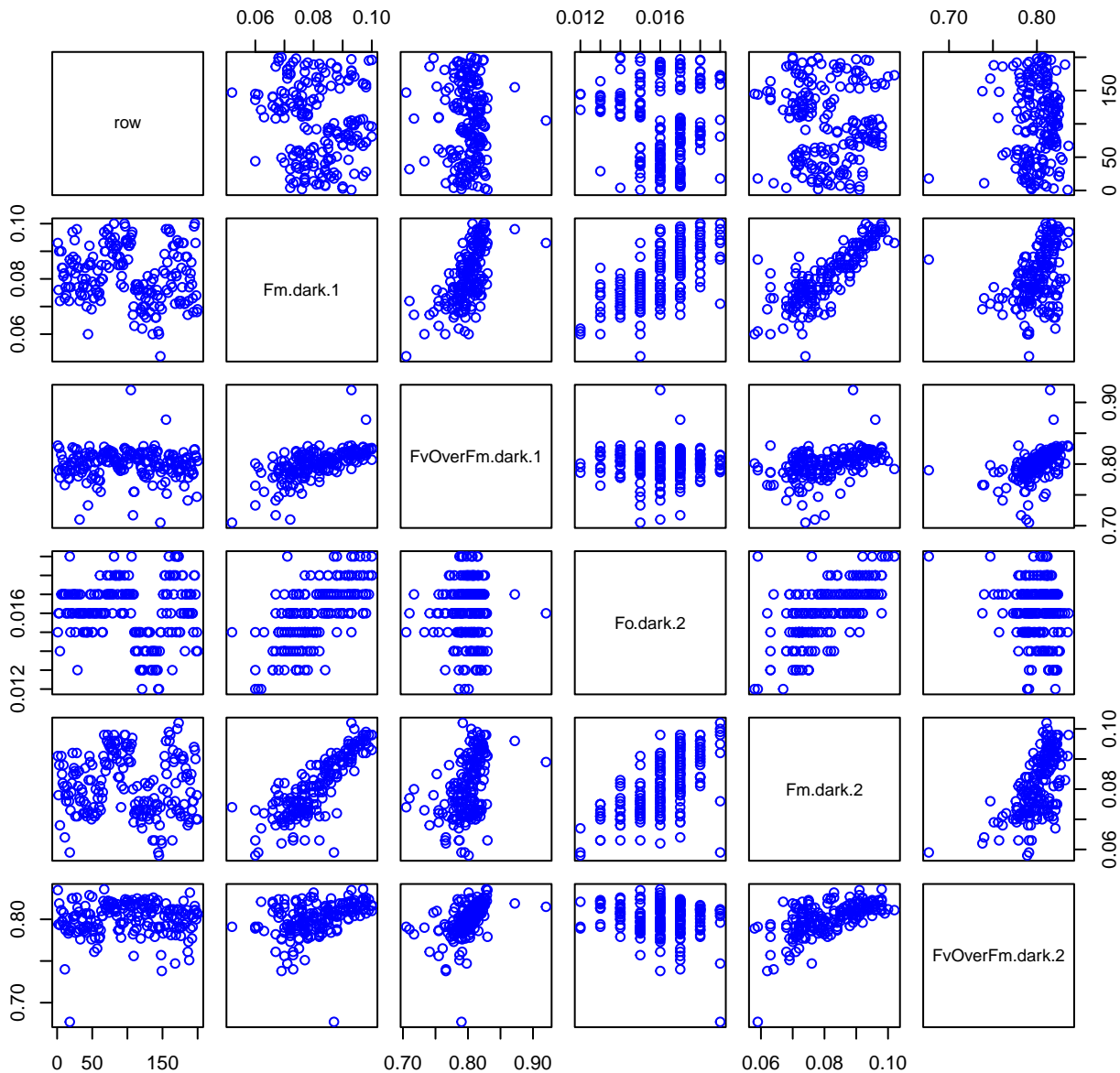
HF421-09 Plot 3



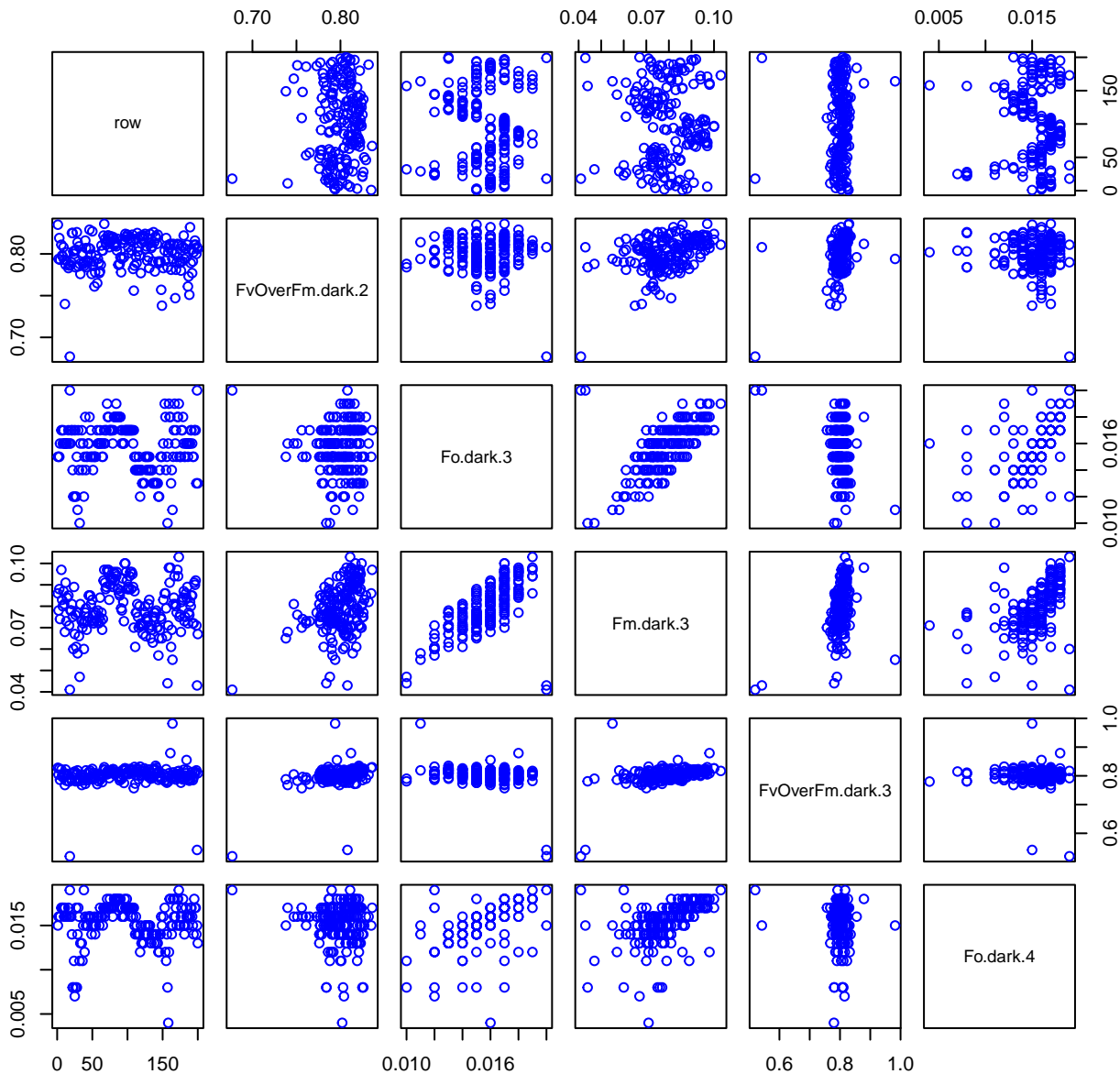
HF421-09 Plot 4



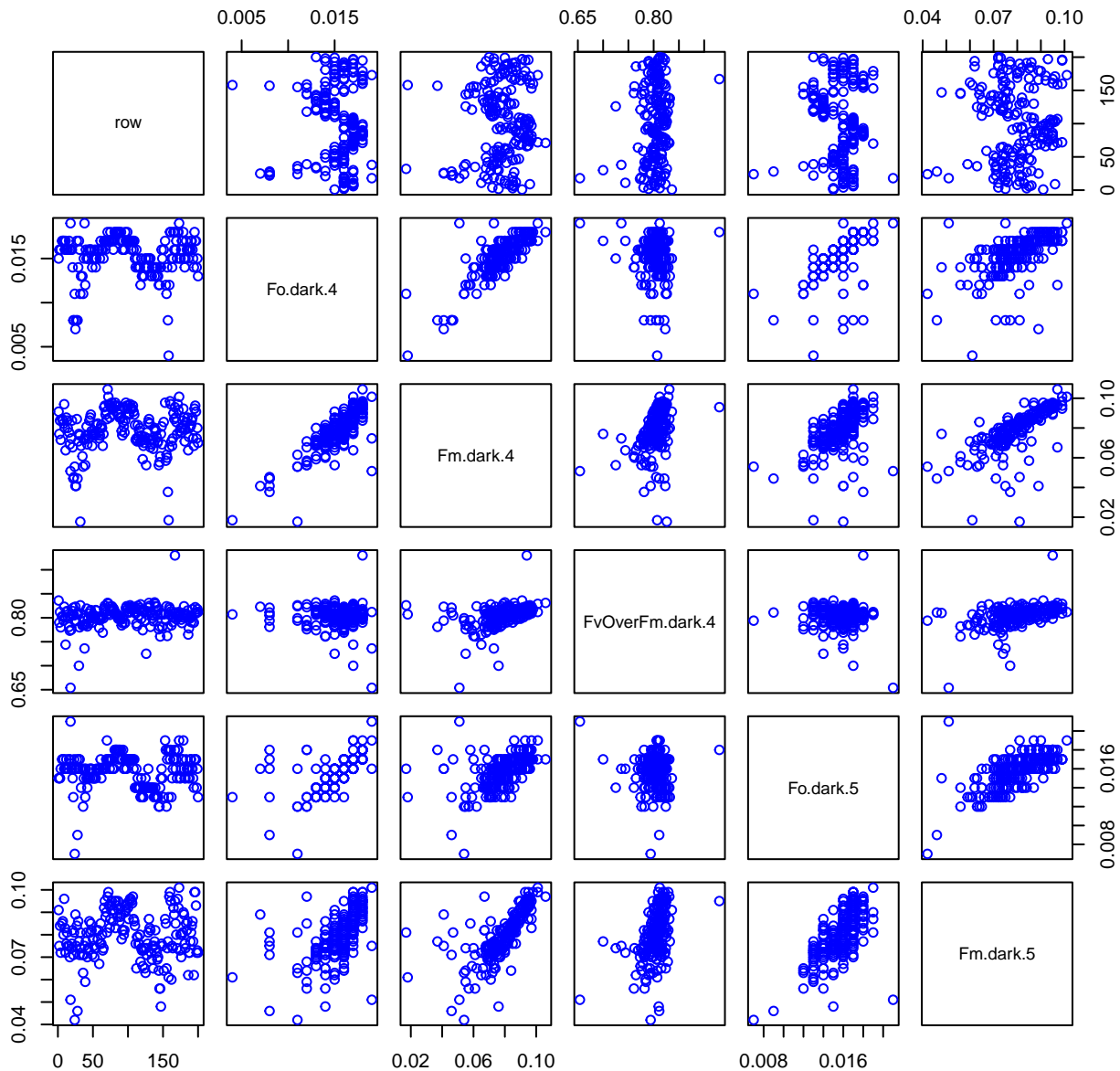
HF421-09 Plot 5



HF421-09 Plot 6



HF421-09 Plot 7



HF421-09 Plot 8

