

Harvard Forest Data Archive HF438-01

Data File:

Name = hf438-01-raw-growth-curve-data.csv  
Description = raw growth curve data  
Rows = 8794 Columns = 102  
MD5 checksum = baaed00ade8c33798e45e73c0a39b5de

Variables:

day = day on which optical density at 600 nm reading bacterial  
liquid cultures in 96-well plate was taken (dimensionless)  
hour = hour at which optical density at 600 nm reading bacterial  
liquid cultures in 96-well plate was taken (dimensionless)  
minute = minute at which optical density at 600 nm reading bacterial  
liquid cultures in 96-well plate was taken (dimensionless)  
second = second at which optical density at 600 nm reading bacterial  
liquid cultures in 96-well plate was taken (dimensionless)  
temperature\_C = temperature of plate reader at each time point  
(celsius)  
A1 = optical density at 600 nm of well A1 (dimensionless)  
A2 = optical density at 600 nm of well A2 (dimensionless)  
A3 = optical density at 600 nm of well A3 (dimensionless)  
A4 = optical density at 600 nm of well A4 (dimensionless)  
A5 = optical density at 600 nm of well A5 (dimensionless)  
A6 = optical density at 600 nm of well A6 (dimensionless)  
A7 = optical density at 600 nm of well A7 (dimensionless)  
A8 = optical density at 600 nm of well A8 (dimensionless)  
A9 = optical density at 600 nm of well A9 (dimensionless)  
A10 = optical density at 600 nm of well A10 (dimensionless)  
A11 = optical density at 600 nm of well A11 (dimensionless)  
A12 = optical density at 600 nm of well A12 (dimensionless)  
B1 = optical density at 600 nm of well B1 (dimensionless)  
B2 = optical density at 600 nm of well B2 (dimensionless)  
B3 = optical density at 600 nm of well B3 (dimensionless)  
B4 = optical density at 600 nm of well B4 (dimensionless)  
B5 = optical density at 600 nm of well B5 (dimensionless)  
B6 = optical density at 600 nm of well B6 (dimensionless)  
B7 = optical density at 600 nm of well B7 (dimensionless)  
B8 = optical density at 600 nm of well B8 (dimensionless)  
B9 = optical density at 600 nm of well B9 (dimensionless)  
B10 = optical density at 600 nm of well B10 (dimensionless)  
B11 = optical density at 600 nm of well B11 (dimensionless)  
B12 = optical density at 600 nm of well B12 (dimensionless)  
C1 = optical density at 600 nm of well C1 (dimensionless)  
C2 = optical density at 600 nm of well C2 (dimensionless)  
C3 = optical density at 600 nm of well C3 (dimensionless)  
C4 = optical density at 600 nm of well C4 (dimensionless)  
C5 = optical density at 600 nm of well C5 (dimensionless)  
C6 = optical density at 600 nm of well C6 (dimensionless)

C7 = optical density at 600 nm of well C7 (dimensionless)  
C8 = optical density at 600 nm of well C8 (dimensionless)  
C9 = optical density at 600 nm of well C9 (dimensionless)  
C10 = optical density at 600 nm of well C10 (dimensionless)  
C11 = optical density at 600 nm of well C11 (dimensionless)  
C12 = optical density at 600 nm of well C12 (dimensionless)  
D1 = optical density at 600 nm of well D1 (dimensionless)  
D2 = optical density at 600 nm of well D2 (dimensionless)  
D3 = optical density at 600 nm of well D3 (dimensionless)  
D4 = optical density at 600 nm of well D4 (dimensionless)  
D5 = optical density at 600 nm of well D5 (dimensionless)  
D6 = optical density at 600 nm of well D6 (dimensionless)  
D7 = optical density at 600 nm of well D7 (dimensionless)  
D8 = optical density at 600 nm of well D8 (dimensionless)  
D9 = optical density at 600 nm of well D9 (dimensionless)  
D10 = optical density at 600 nm of well D10 (dimensionless)  
D11 = optical density at 600 nm of well D11 (dimensionless)  
D12 = optical density at 600 nm of well D12 (dimensionless)  
E1 = optical density at 600 nm of well E1 (dimensionless)  
E2 = optical density at 600 nm of well E2 (dimensionless)  
E3 = optical density at 600 nm of well E3 (dimensionless)  
E4 = optical density at 600 nm of well E4 (dimensionless)  
E5 = optical density at 600 nm of well E5 (dimensionless)  
E6 = optical density at 600 nm of well E6 (dimensionless)  
E7 = optical density at 600 nm of well E7 (dimensionless)  
E8 = optical density at 600 nm of well E8 (dimensionless)  
E9 = optical density at 600 nm of well E9 (dimensionless)  
E10 = optical density at 600 nm of well E10 (dimensionless)  
E11 = optical density at 600 nm of well E11 (dimensionless)  
E12 = optical density at 600 nm of well E12 (dimensionless)  
F1 = optical density at 600 nm of well F1 (dimensionless)  
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F8 = optical density at 600 nm of well F8 (dimensionless)  
F9 = optical density at 600 nm of well F9 (dimensionless)  
F10 = optical density at 600 nm of well F10 (dimensionless)  
F11 = optical density at 600 nm of well F11 (dimensionless)  
F12 = optical density at 600 nm of well F12 (dimensionless)  
G1 = optical density at 600 nm of well G1 (dimensionless)  
G2 = optical density at 600 nm of well G2 (dimensionless)  
G3 = optical density at 600 nm of well G3 (dimensionless)  
G4 = optical density at 600 nm of well G4 (dimensionless)  
G5 = optical density at 600 nm of well G5 (dimensionless)  
G6 = optical density at 600 nm of well G6 (dimensionless)  
G7 = optical density at 600 nm of well G7 (dimensionless)  
G8 = optical density at 600 nm of well G8 (dimensionless)  
G9 = optical density at 600 nm of well G9 (dimensionless)

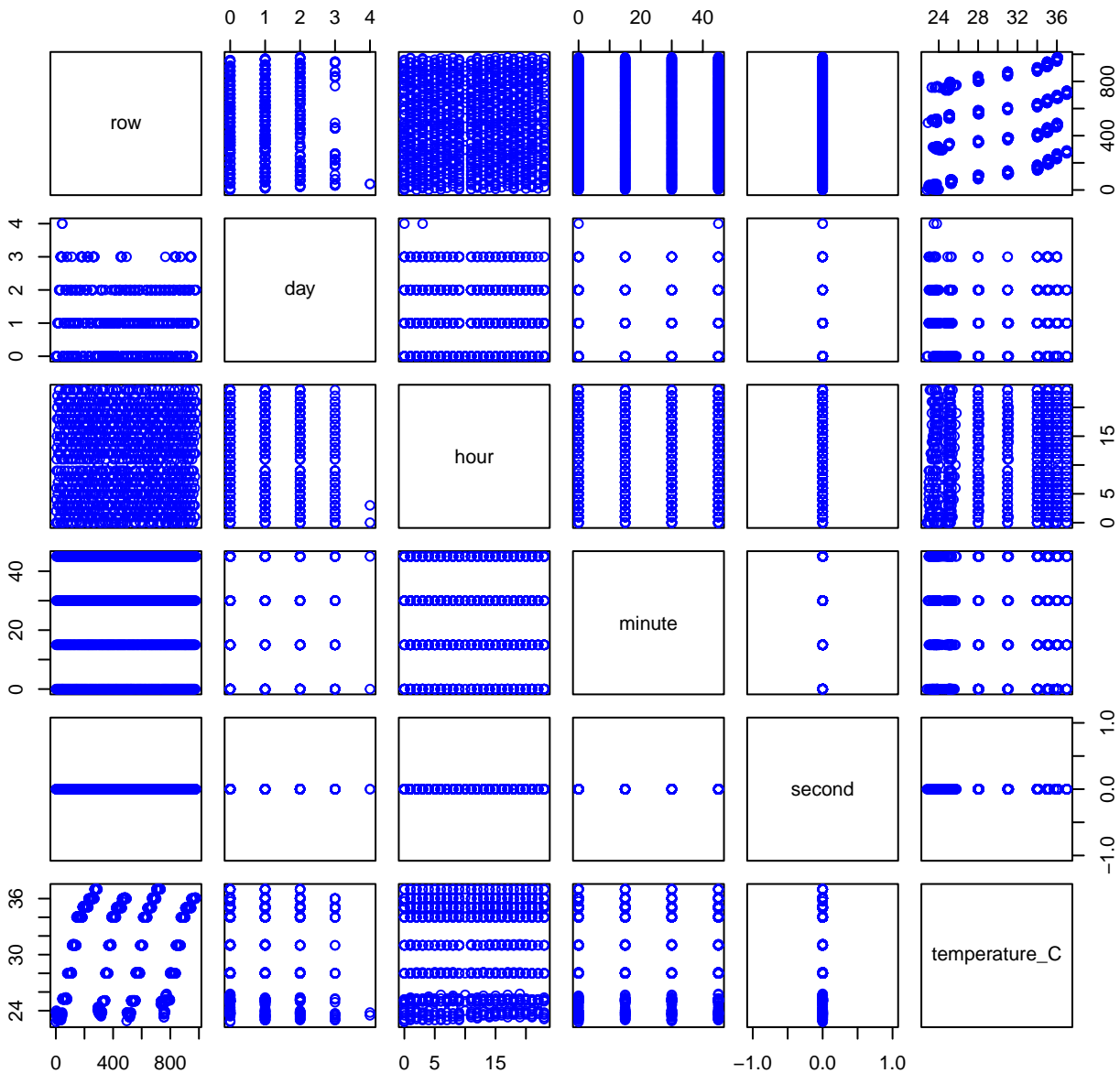
G10 = optical density at 600 nm of well G10 (dimensionless)  
G11 = optical density at 600 nm of well G11 (dimensionless)  
G12 = optical density at 600 nm of well G12 (dimensionless)  
H1 = optical density at 600 nm of well H1 (dimensionless)  
H2 = optical density at 600 nm of well H2 (dimensionless)  
H3 = optical density at 600 nm of well H3 (dimensionless)  
H4 = optical density at 600 nm of well H4 (dimensionless)  
H5 = optical density at 600 nm of well H5 (dimensionless)  
H6 = optical density at 600 nm of well H6 (dimensionless)  
H7 = optical density at 600 nm of well H7 (dimensionless)  
H8 = optical density at 600 nm of well H8 (dimensionless)  
H9 = optical density at 600 nm of well H9 (dimensionless)  
H10 = optical density at 600 nm of well H10 (dimensionless)  
H11 = optical density at 600 nm of well H11 (dimensionless)  
H12 = optical density at 600 nm of well H12 (dimensionless)

Variable	Min	Median	Mean	Max	NAs
day	0.000	1.000	1.101	4.000	0
hour	0.000	11.000	10.976	23.000	0
minute	0.000	15.000	22.439	45.000	0
second	0.000	0.000	0.000	0.000	0
temperature_	21.900	31.100	30.958	37.100	0
A1	0.000	0.086	0.155	0.998	0
A2	0.000	0.090	0.174	0.621	0
A3	0.000	0.076	0.126	0.418	0
A4	0.000	0.112	0.196	0.480	0
A5	-0.000	0.079	0.191	0.704	0
A6	0.000	0.077	0.178	0.558	0
A7	0.000	0.085	0.156	0.605	0
A8	-0.000	0.080	0.148	0.468	0
A9	-0.000	0.077	0.170	0.559	0
A10	-0.000	0.082	0.206	0.589	0
A11	-0.000	0.095	0.154	0.568	0
A12	0.000	0.089	0.145	0.566	0
B1	0.000	0.075	0.107	0.682	0
B2	0.000	0.076	0.128	0.503	0
B3	0.000	0.071	0.144	0.607	0
B4	0.000	0.076	0.128	1.002	0
B5	0.000	0.088	0.186	0.545	0
B6	0.000	0.084	0.207	0.744	0
B7	0.000	0.075	0.130	0.478	0
B8	-0.000	0.076	0.165	0.576	0
B9	0.000	0.078	0.152	0.404	0
B10	0.000	0.075	0.152	0.563	0
B11	-0.000	0.097	0.165	0.522	0
B12	0.000	0.181	0.240	0.629	0
C1	0.000	0.205	0.238	0.709	0
C2	0.000	0.079	0.143	0.570	0
C3	0.000	0.077	0.183	0.569	0
C4	0.000	0.174	0.230	0.622	0
C5	0.000	0.081	0.203	0.572	0
C6	0.000	0.077	0.150	0.685	0
C7	0.000	0.075	0.172	0.547	0
C8	0.000	0.074	0.098	0.522	0
C9	0.000	0.095	0.162	0.496	0
C10	0.000	0.102	0.198	0.783	0
C11	0.000	0.098	0.201	0.580	0
C12	0.000	0.090	0.150	0.467	0
D1	0.000	0.175	0.196	0.829	0
D2	0.000	0.077	0.214	0.581	0
D3	0.000	0.103	0.172	0.780	0
D4	0.000	0.227	0.234	0.527	0
D5	0.000	0.095	0.170	0.451	0
D6	0.000	0.079	0.130	0.431	0
D7	0.000	0.081	0.189	0.743	0
D8	0.000	0.076	0.183	0.534	0

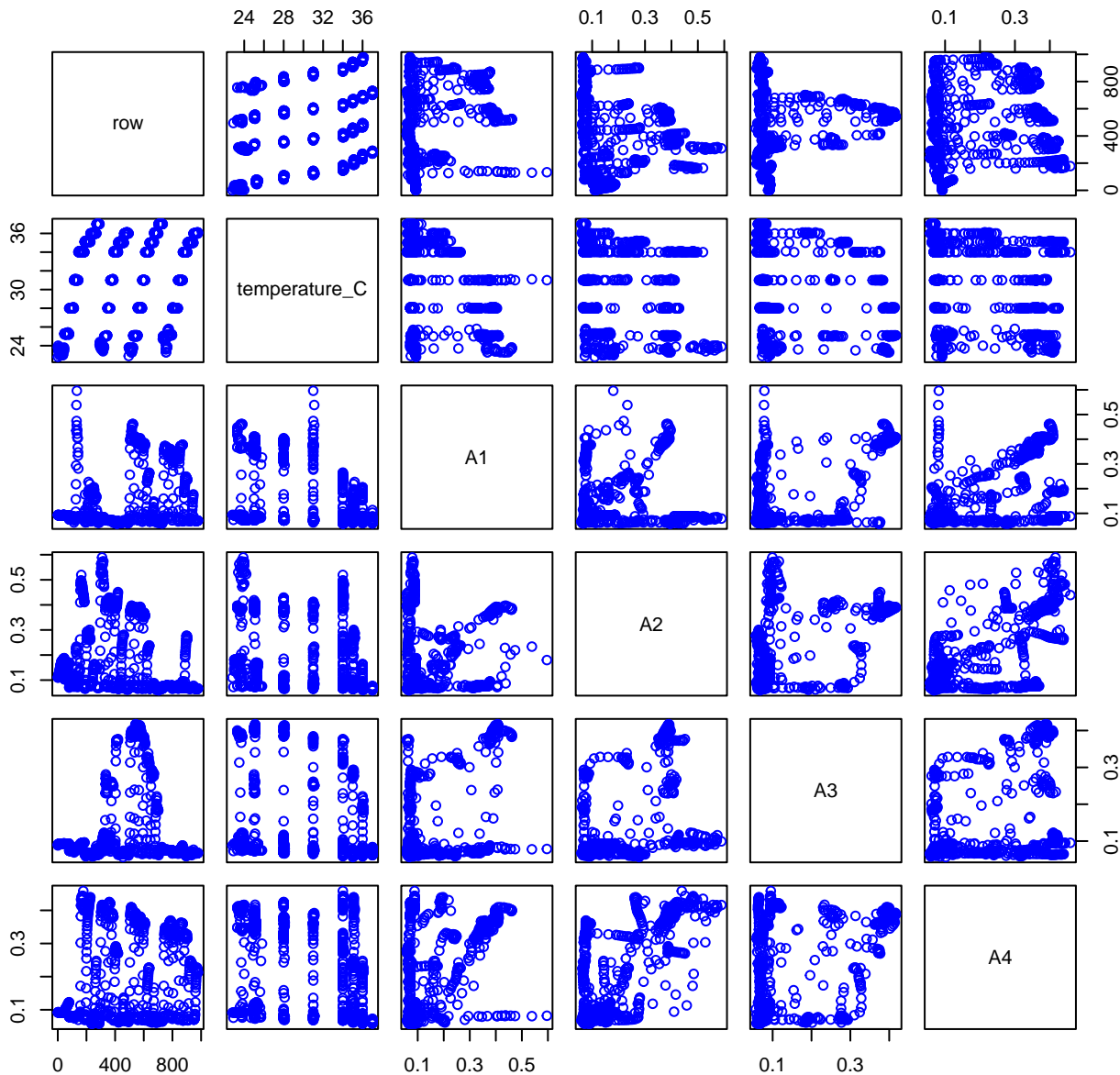
Variable	Min	Median	Mean	Max	NAs
D9	0.000	0.112	0.167	0.456	0
D10	0.000	0.077	0.150	0.583	0
D11	0.000	0.154	0.225	0.580	0
D12	0.000	0.102	0.222	0.911	0
E1	0.000	0.119	0.215	0.747	0
E2	0.000	0.226	0.233	0.511	0
E3	0.000	0.085	0.184	0.841	0
E4	0.000	0.072	0.098	0.450	0
E5	0.000	0.109	0.215	0.713	0
E6	0.000	0.103	0.221	0.572	0
E7	0.000	0.233	0.242	0.577	0
E8	0.000	0.077	0.190	0.574	0
E9	0.000	0.082	0.176	0.614	0
E10	0.000	0.078	0.138	0.702	0
E11	0.000	0.076	0.123	0.516	0
E12	0.000	0.082	0.150	0.495	0
F1	0.000	0.121	0.205	0.799	0
F2	0.000	0.074	0.164	0.793	0
F3	0.000	0.075	0.132	0.431	0
F4	0.000	0.079	0.162	0.595	0
F5	0.000	0.083	0.143	0.485	0
F6	0.000	0.105	0.206	0.607	0
F7	0.000	0.081	0.154	0.559	0
F8	0.000	0.082	0.198	0.534	0
F9	0.000	0.116	0.178	0.509	0
F10	0.000	0.084	0.150	0.408	0
F11	0.000	0.174	0.243	0.609	0
F12	0.000	0.096	0.177	0.575	0
G1	-0.000	0.091	0.179	0.582	0
G2	0.000	0.206	0.214	0.501	0
G3	-0.000	0.249	0.237	0.518	0
G4	-0.000	0.079	0.127	0.392	0
G5	0.000	0.075	0.141	0.530	0
G6	-0.000	0.093	0.189	0.534	0
G7	-0.000	0.074	0.148	0.530	0
G8	-0.000	0.084	0.157	0.544	0
G9	-0.000	0.075	0.173	0.756	0
G10	-0.000	0.088	0.202	0.559	0
G11	0.000	0.097	0.185	0.546	0
G12	-0.000	0.224	0.233	0.629	0
H1	-0.000	0.081	0.141	0.699	0
H2	-0.000	0.093	0.151	0.525	0
H3	-0.000	0.085	0.192	0.732	0
H4	-0.000	0.089	0.160	0.661	0
H5	-0.000	0.082	0.182	0.522	0
H6	-0.000	0.076	0.120	0.552	0
H7	-0.000	0.076	0.178	0.762	0
H8	-0.000	0.078	0.188	0.670	0
H9	-0.000	0.079	0.168	0.767	0
H10	-0.000	0.128	0.191	0.625	0
H11	-0.000	0.250	0.241	0.791	0

Variable	Min	Median	Mean	Max	NAs
H12	-0.000	0.090	0.165	0.618	0

# HF438-01 Plot 1

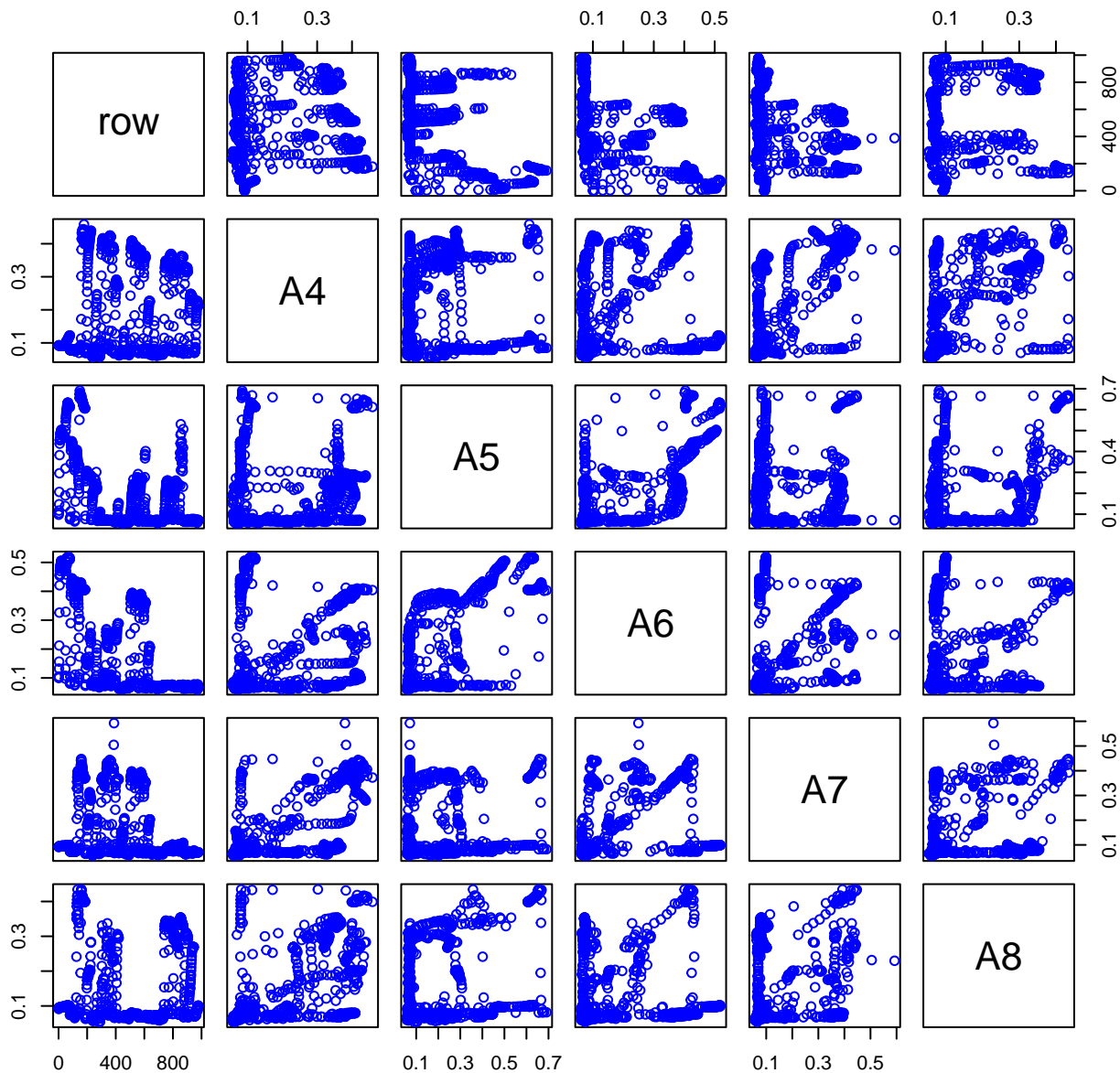


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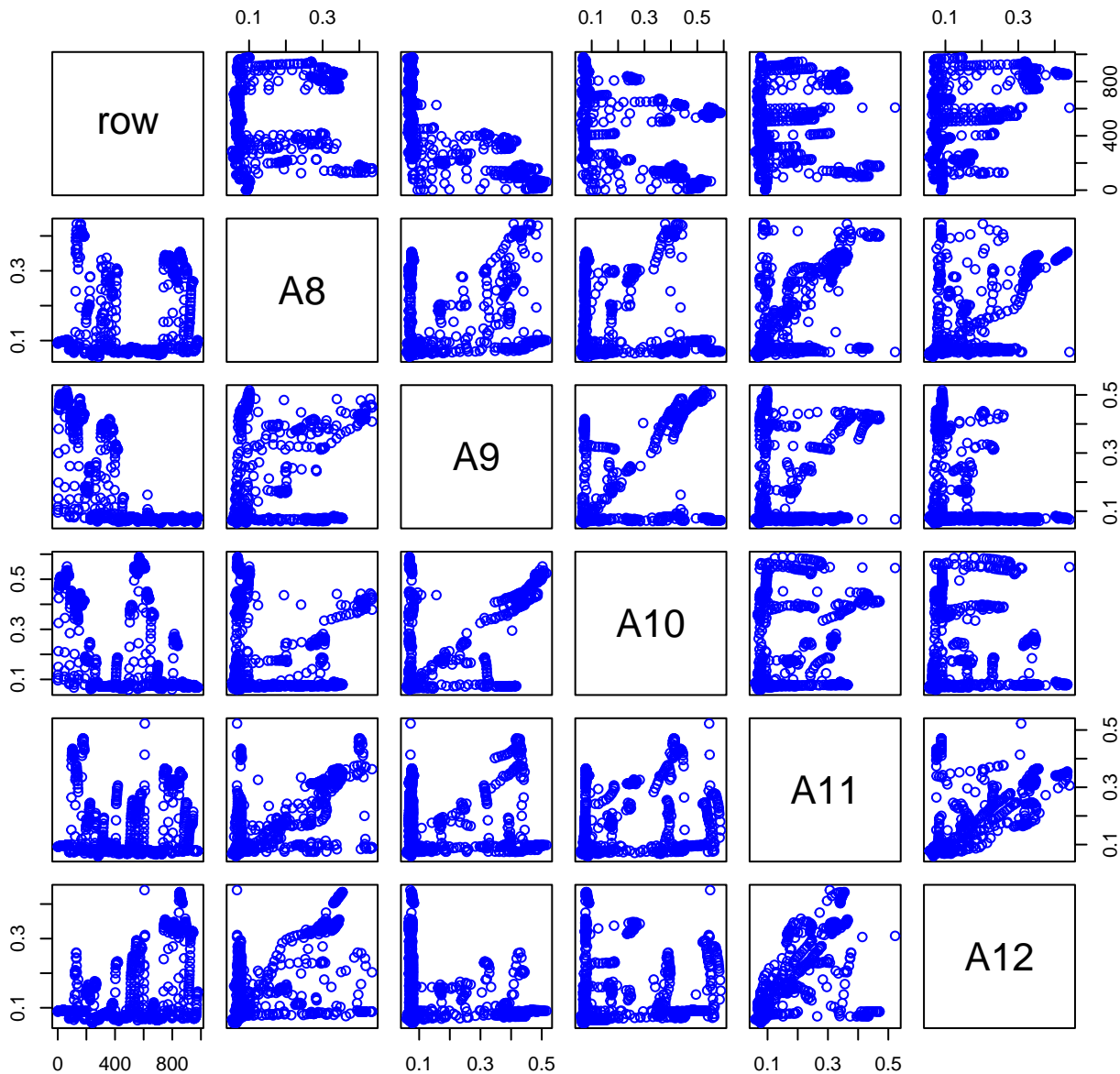




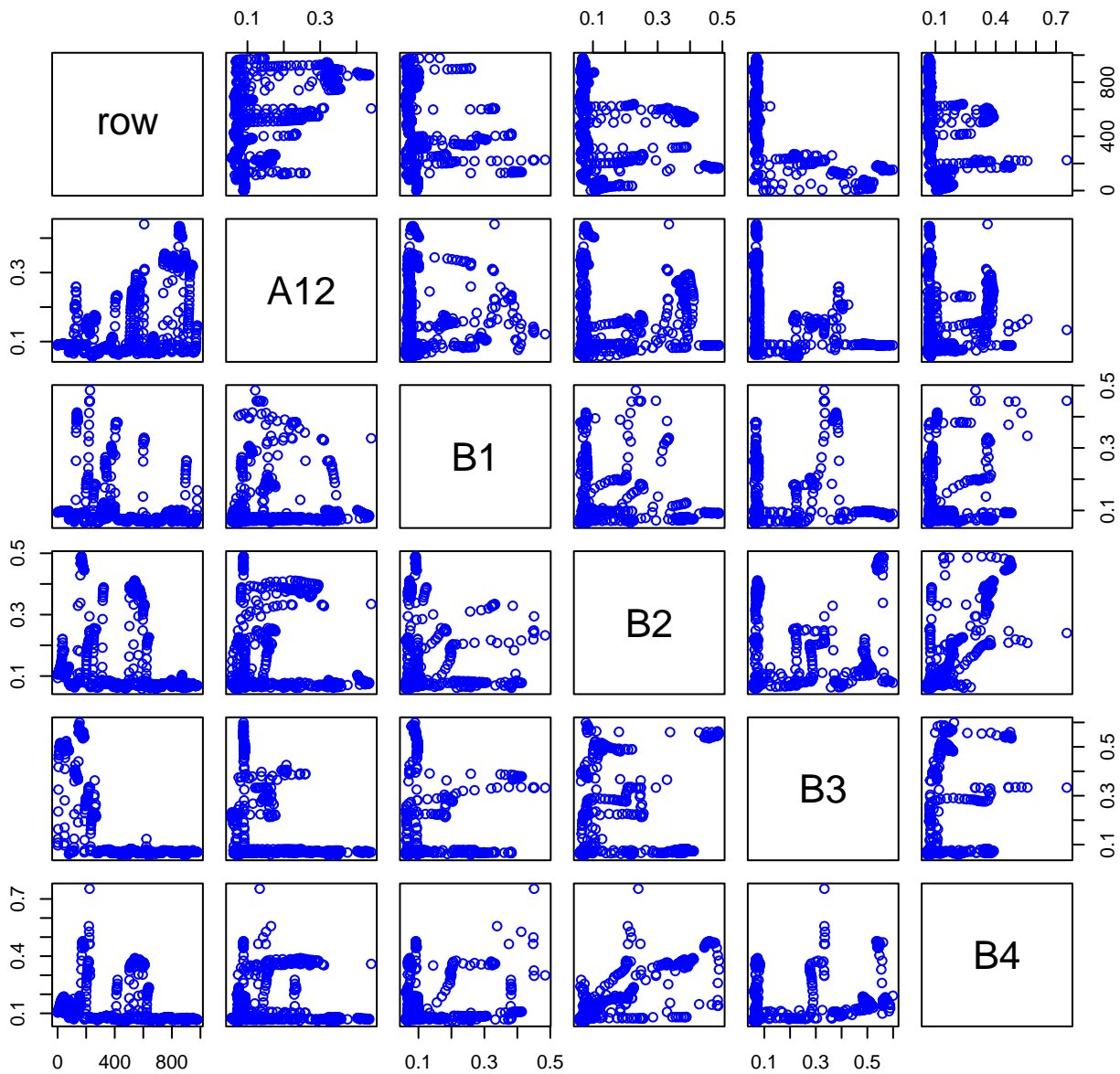
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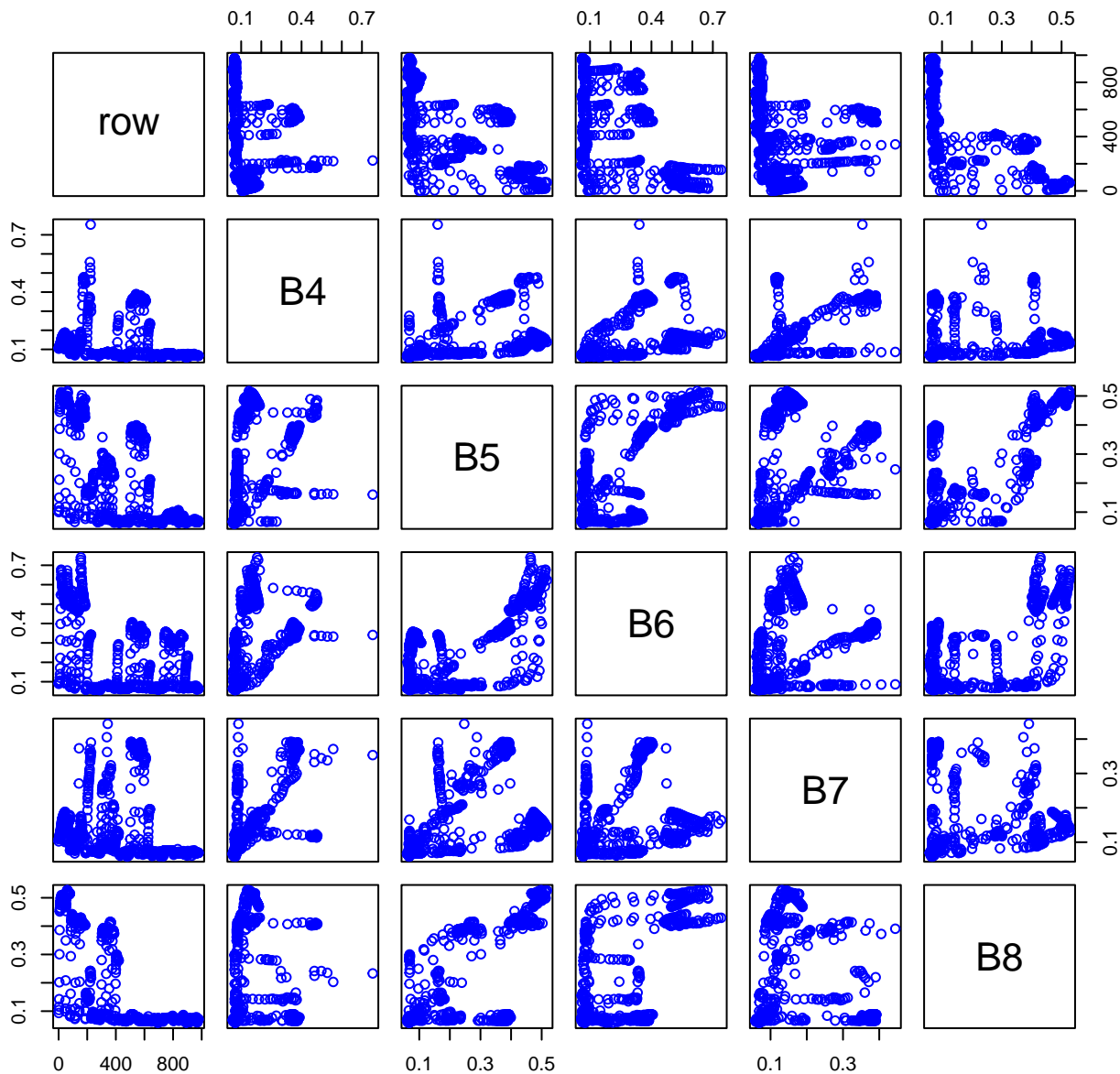
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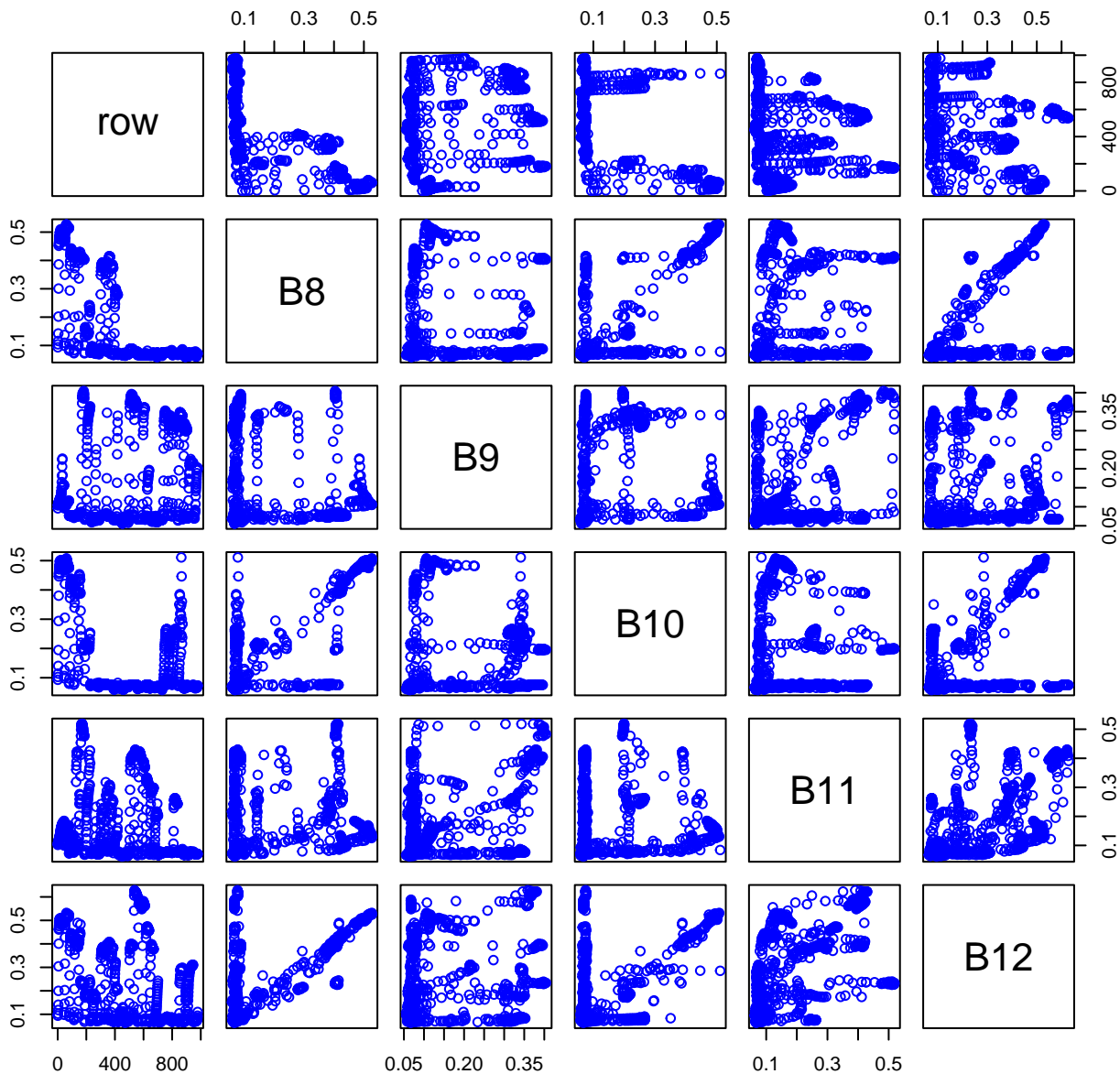
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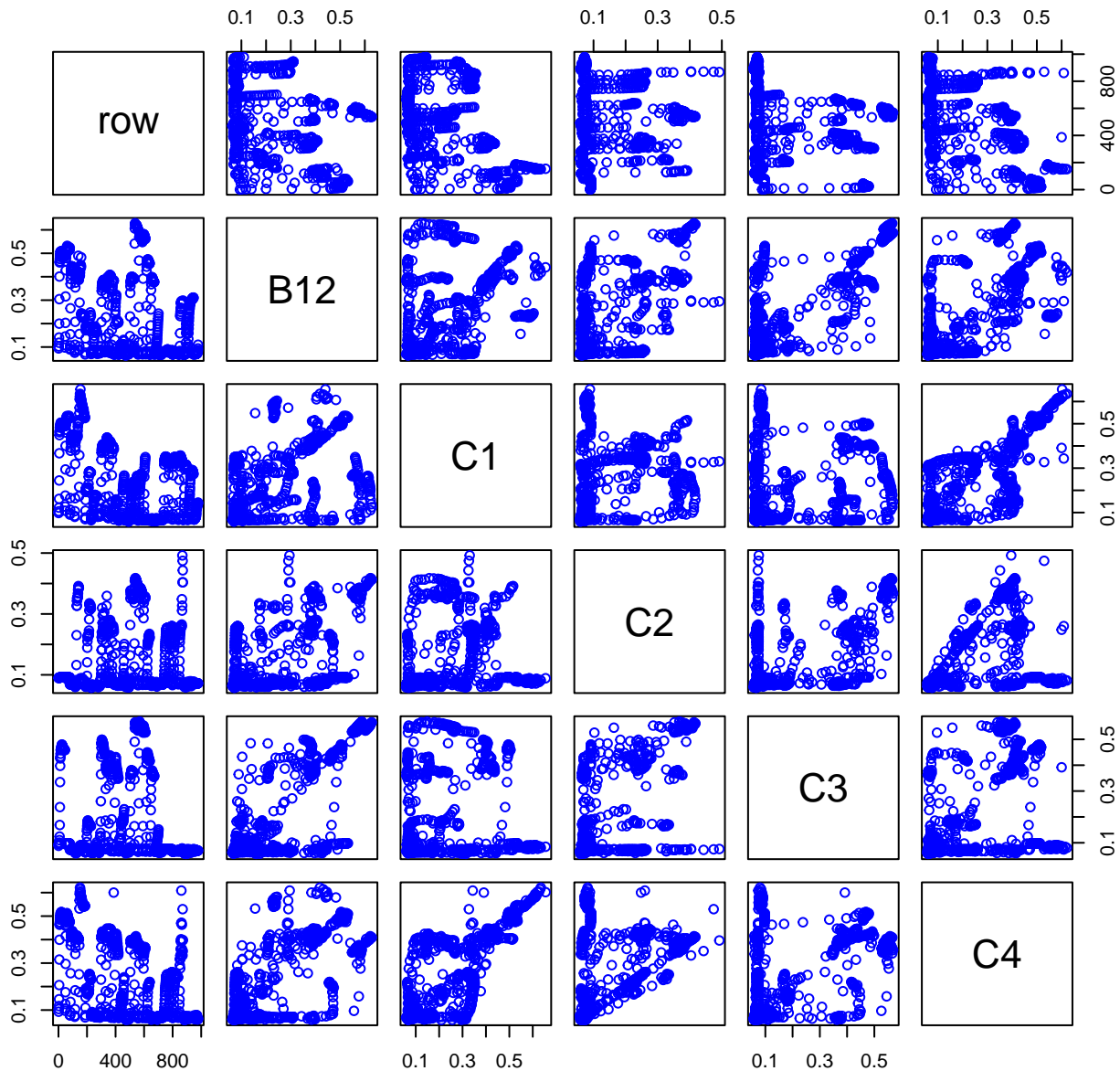
# HF438-01 Plot 6



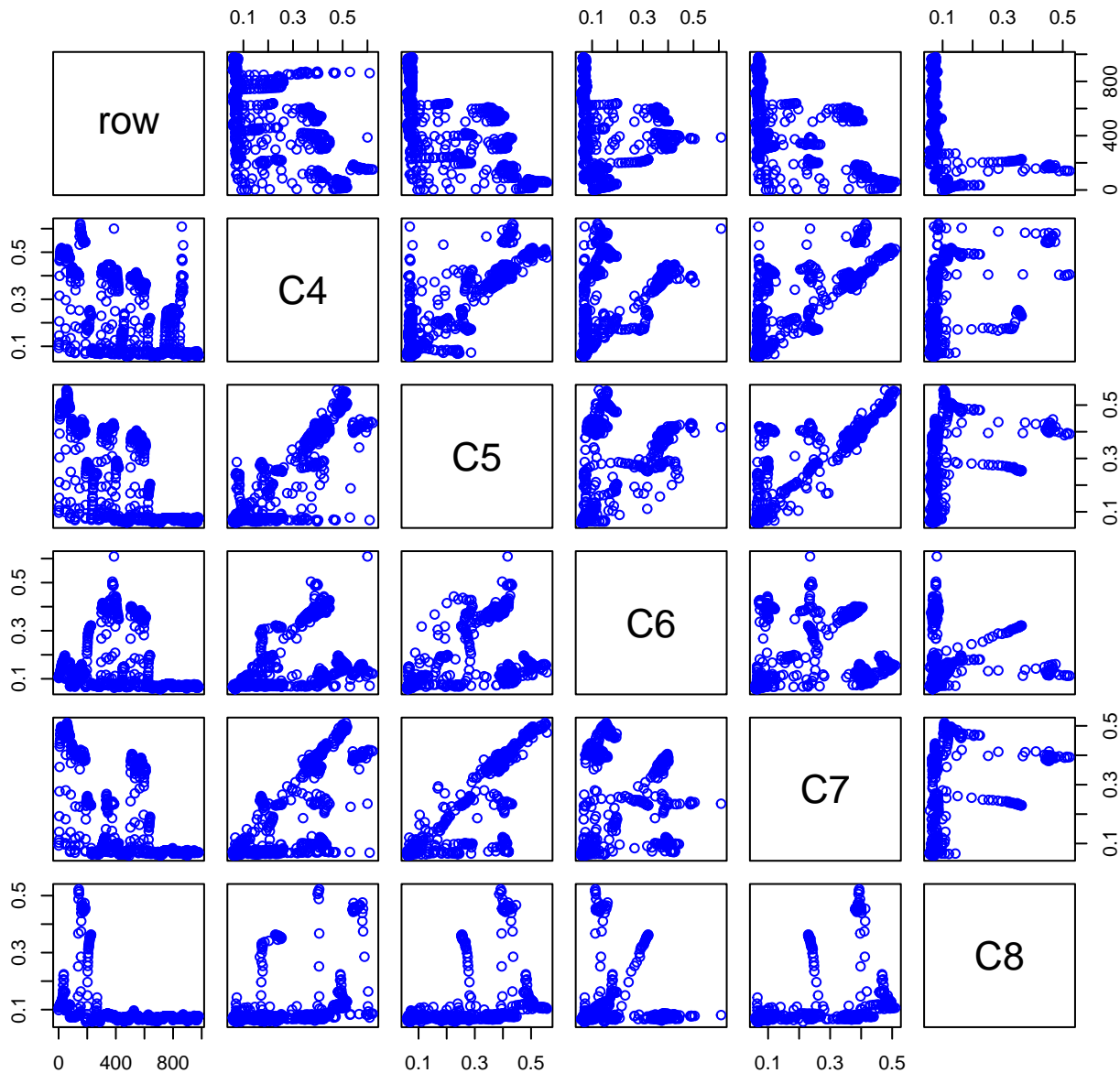
# HF438-01 Plot 7



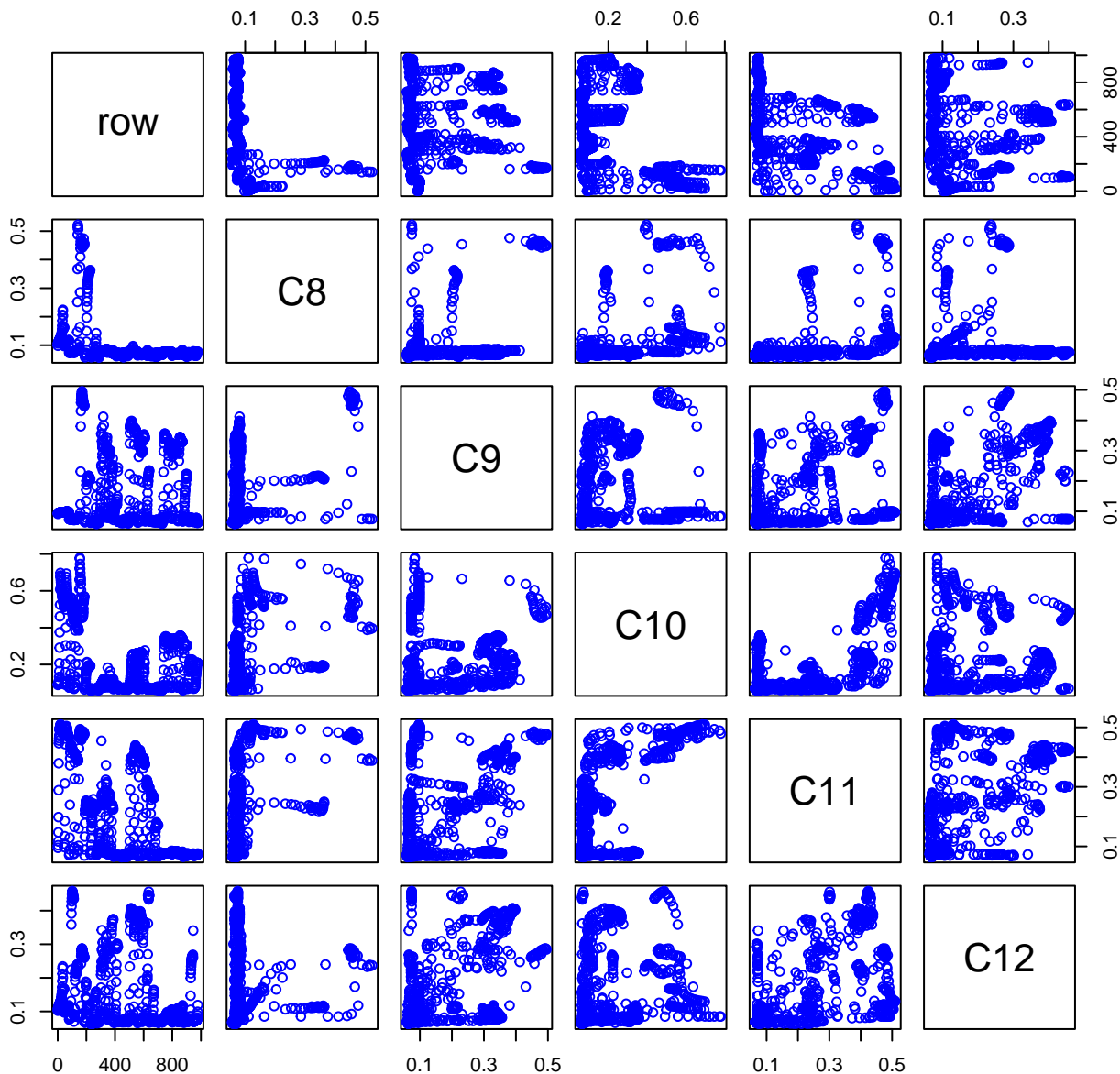
# HF438-01 Plot 8



# HF438-01 Plot 9

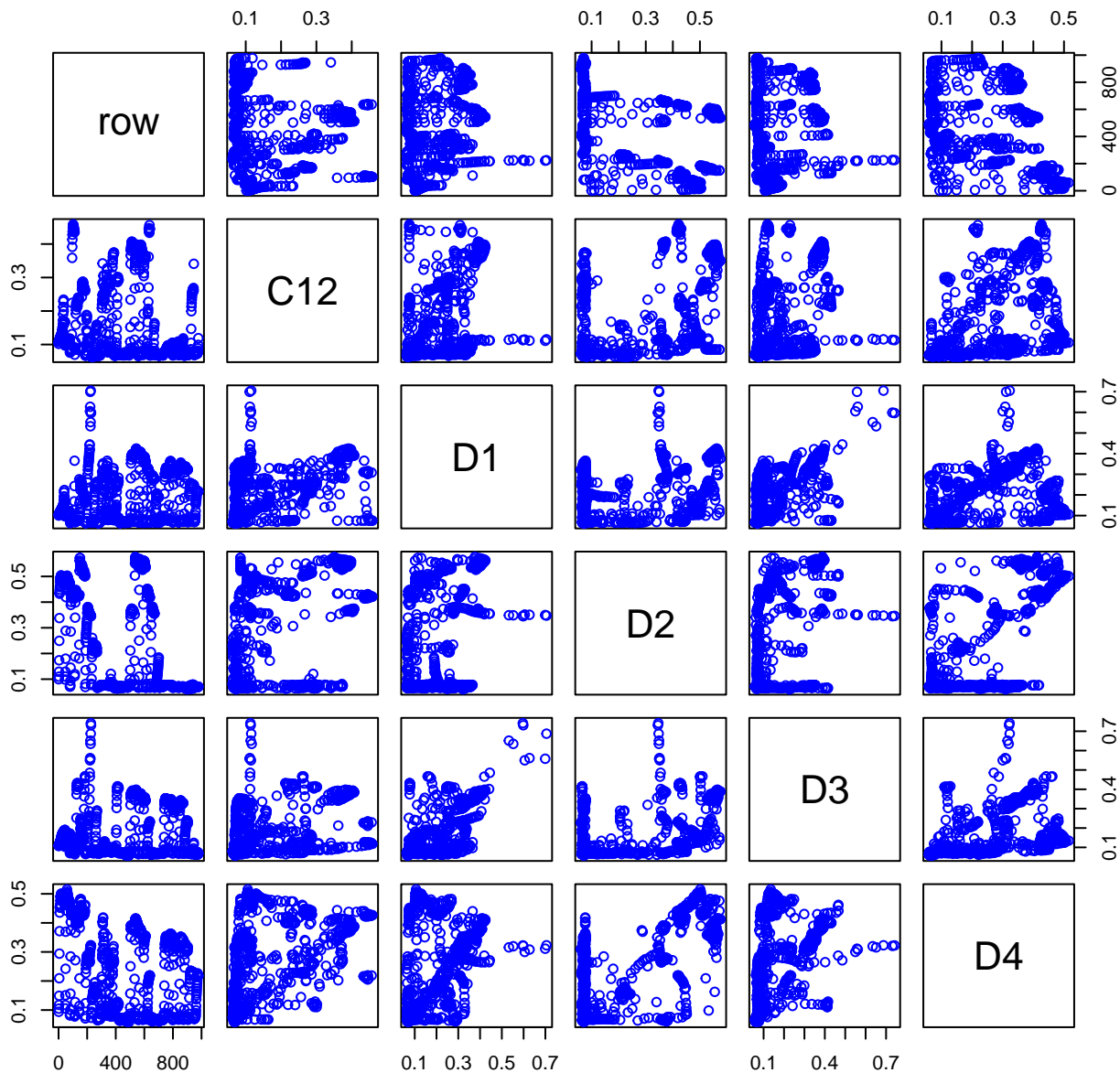


# HF438-01 Plot 10

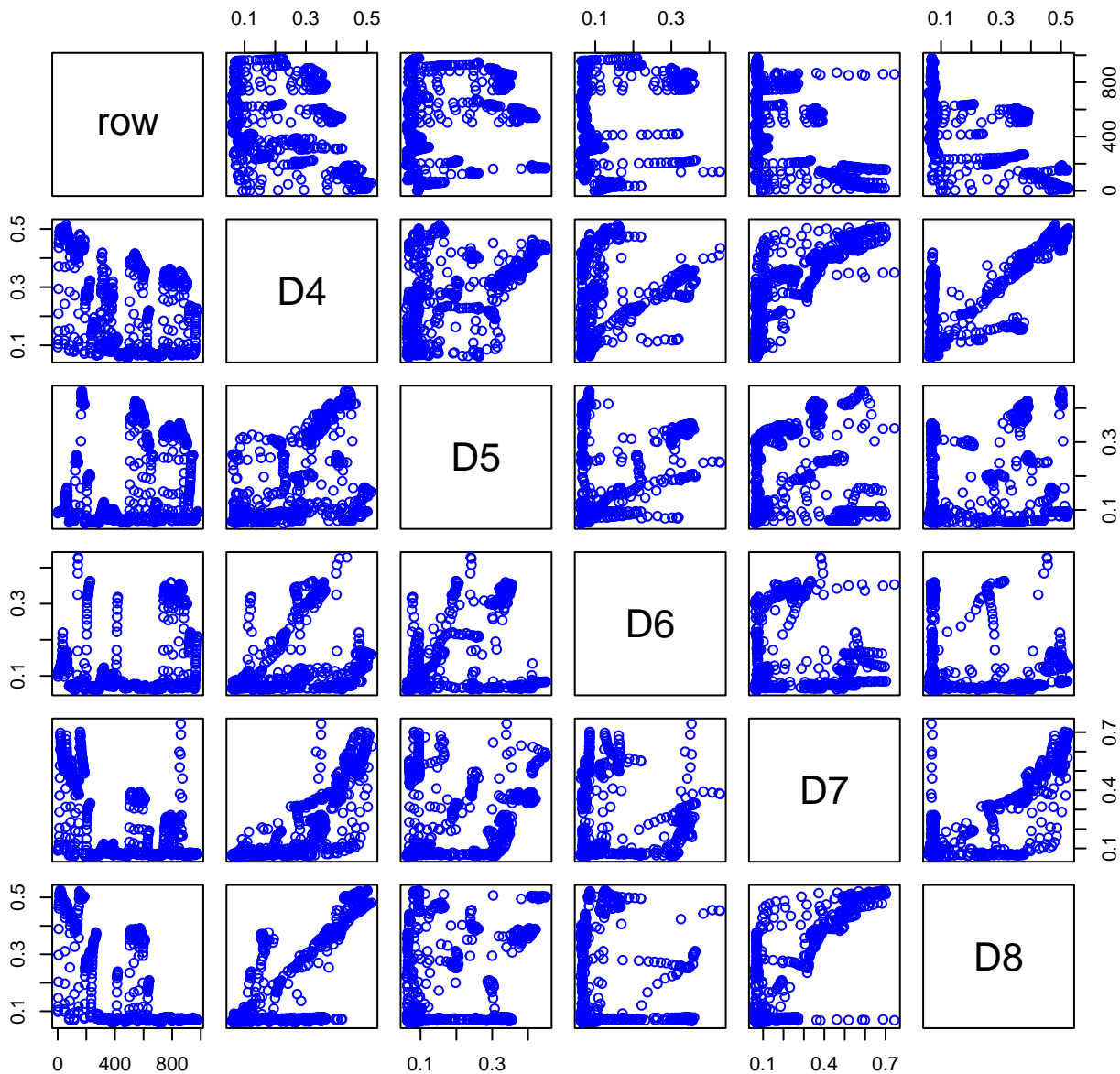




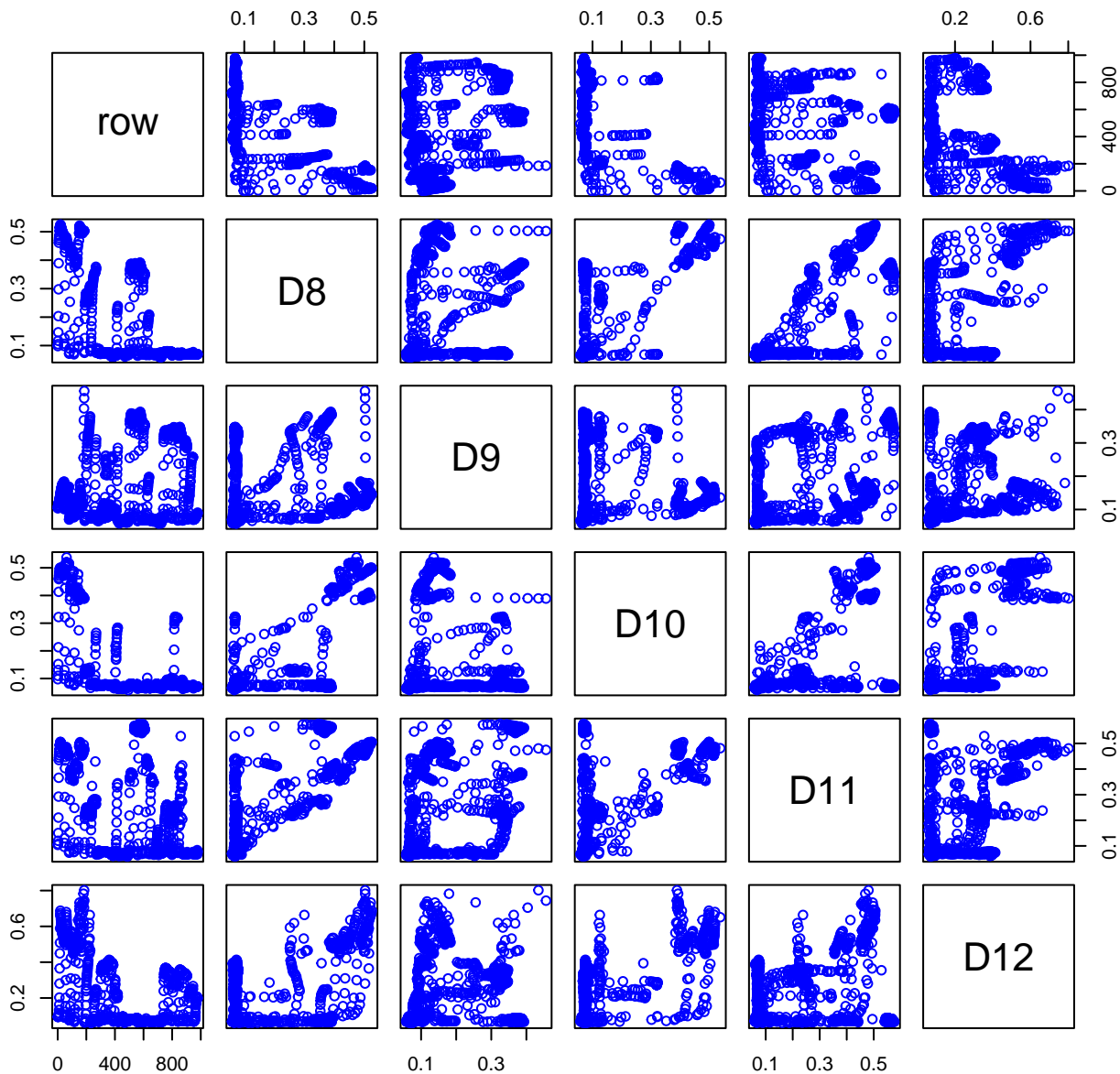
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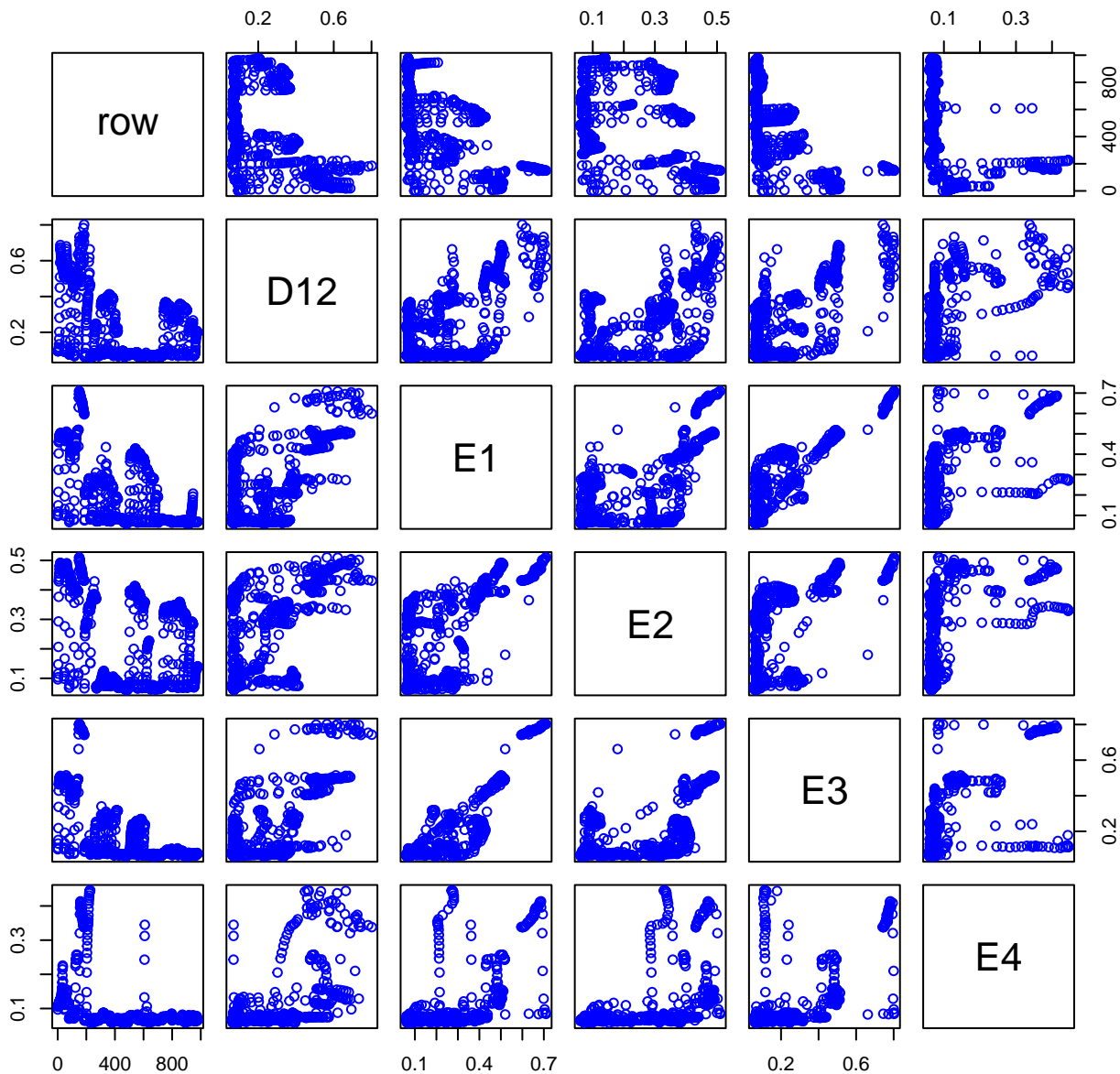
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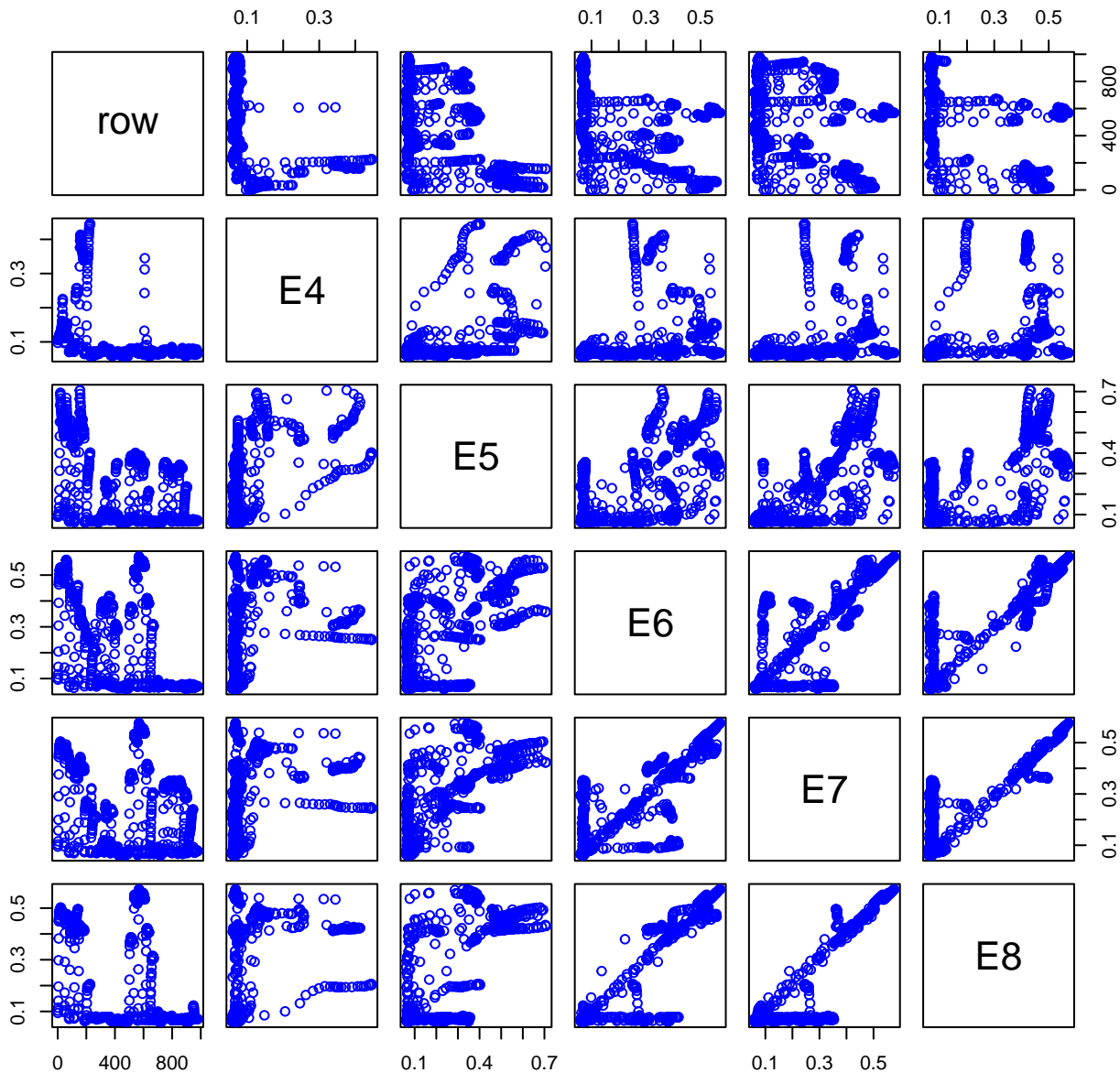
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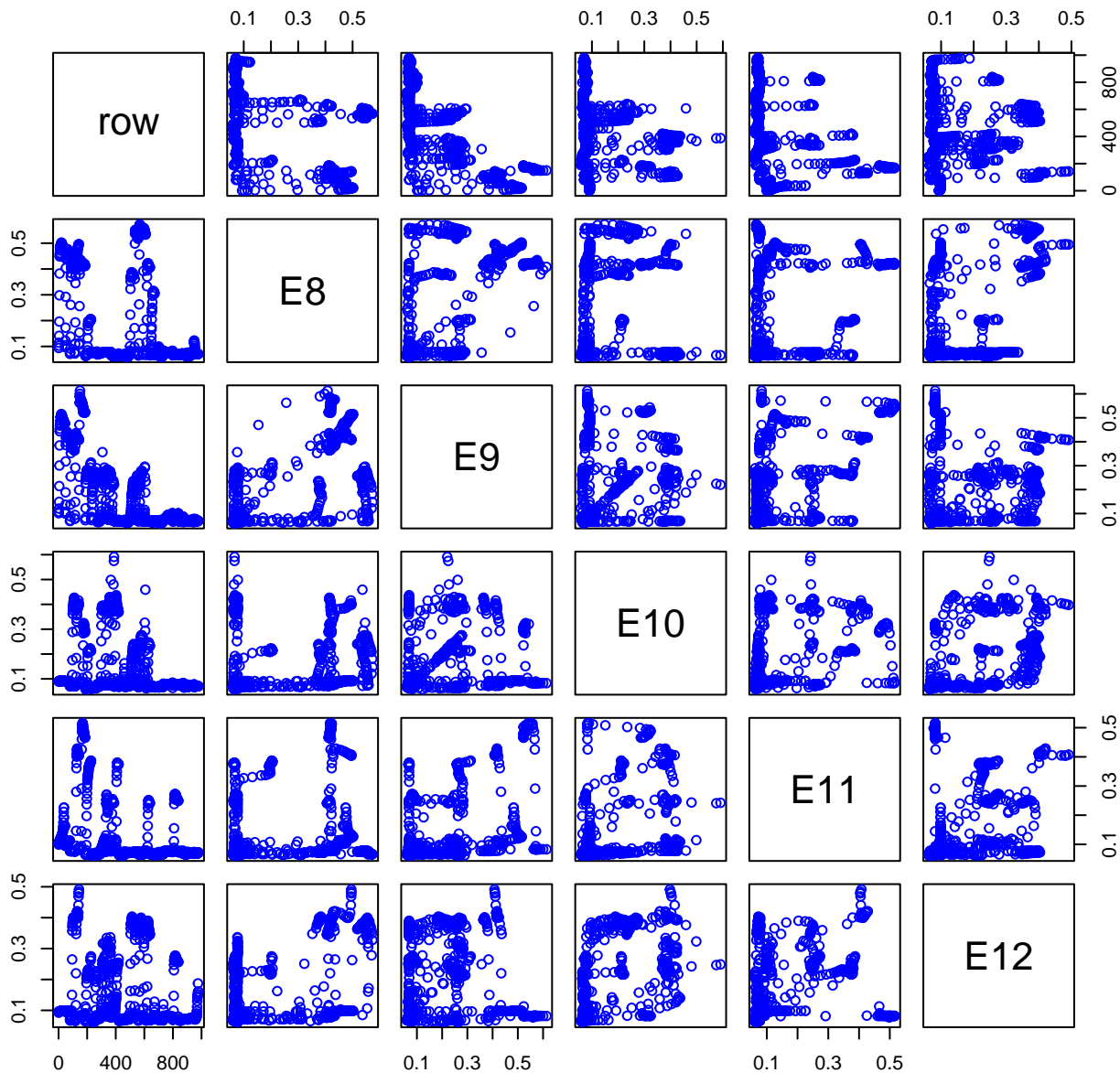
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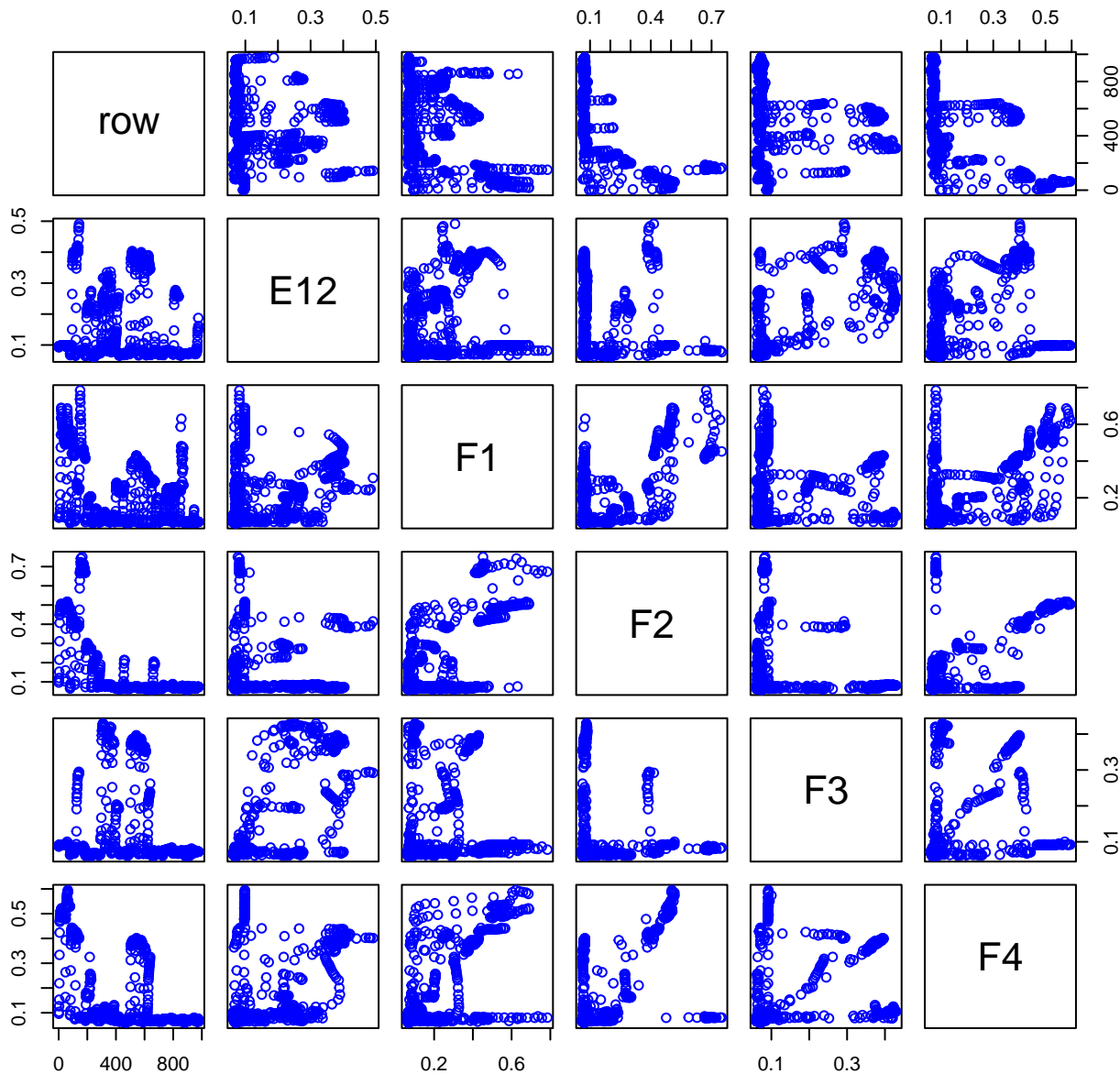
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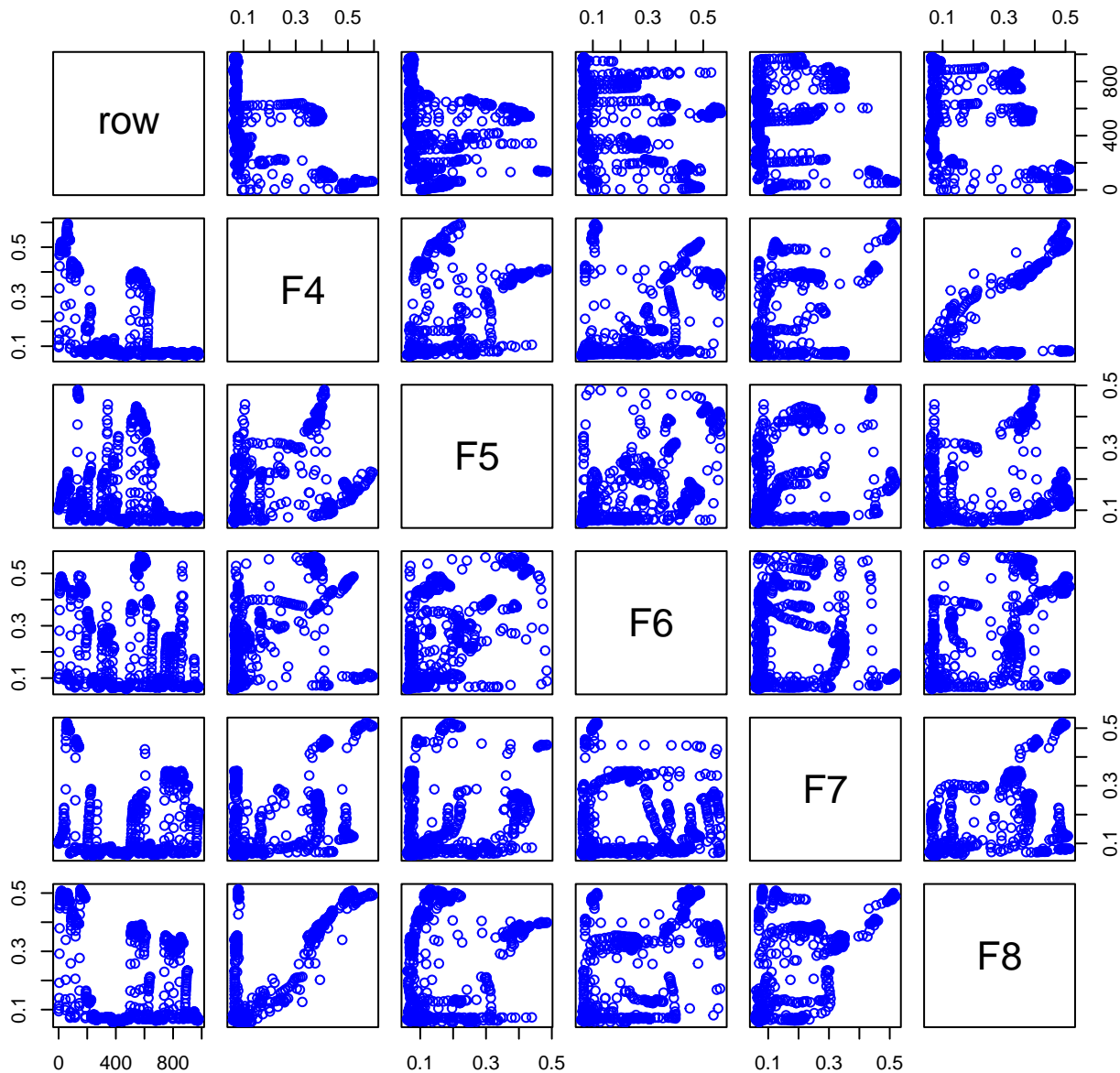
# HF438-01 Plot 16



# HF438-01 Plot 17

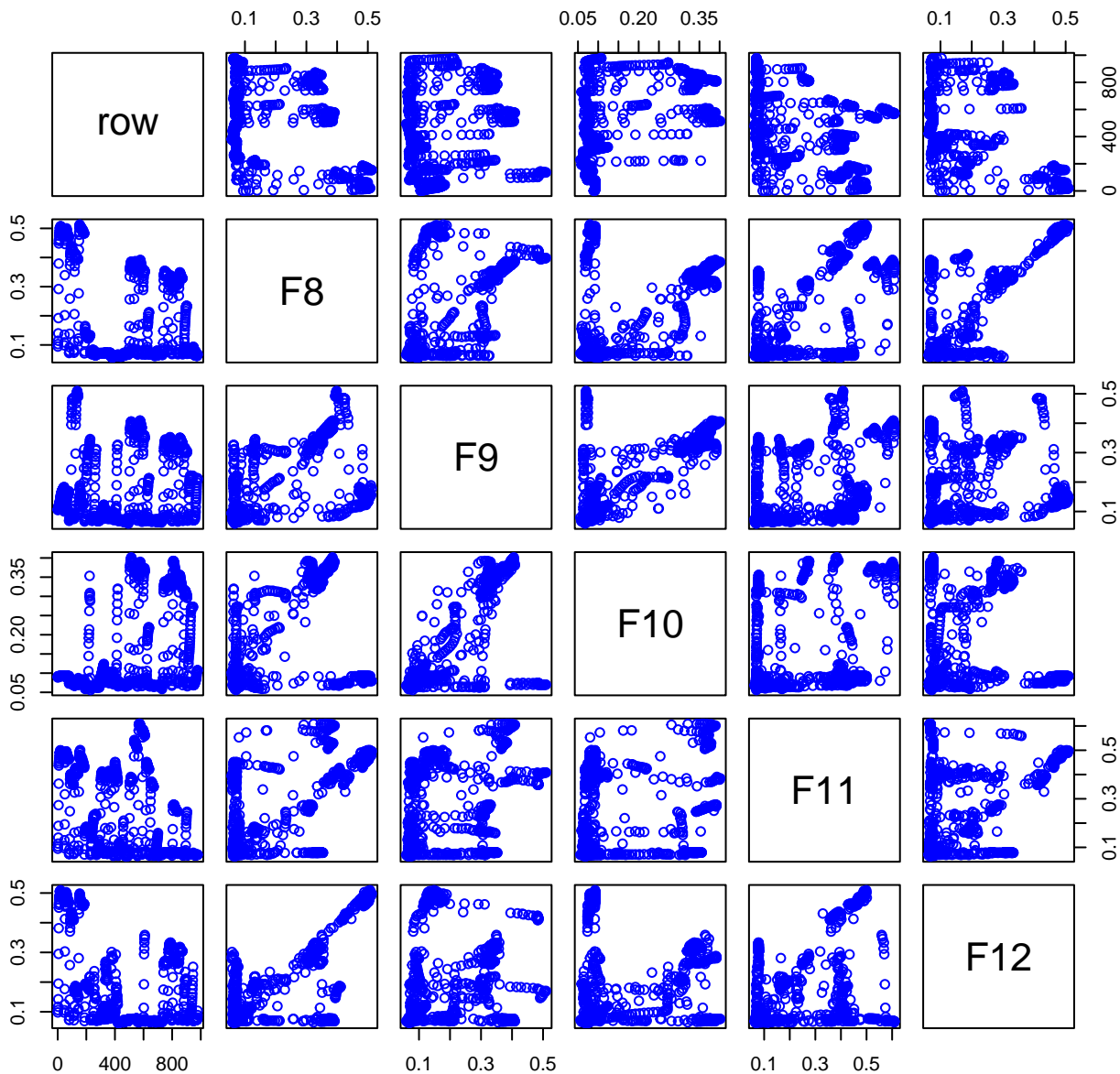


# HF438-01 Plot 18

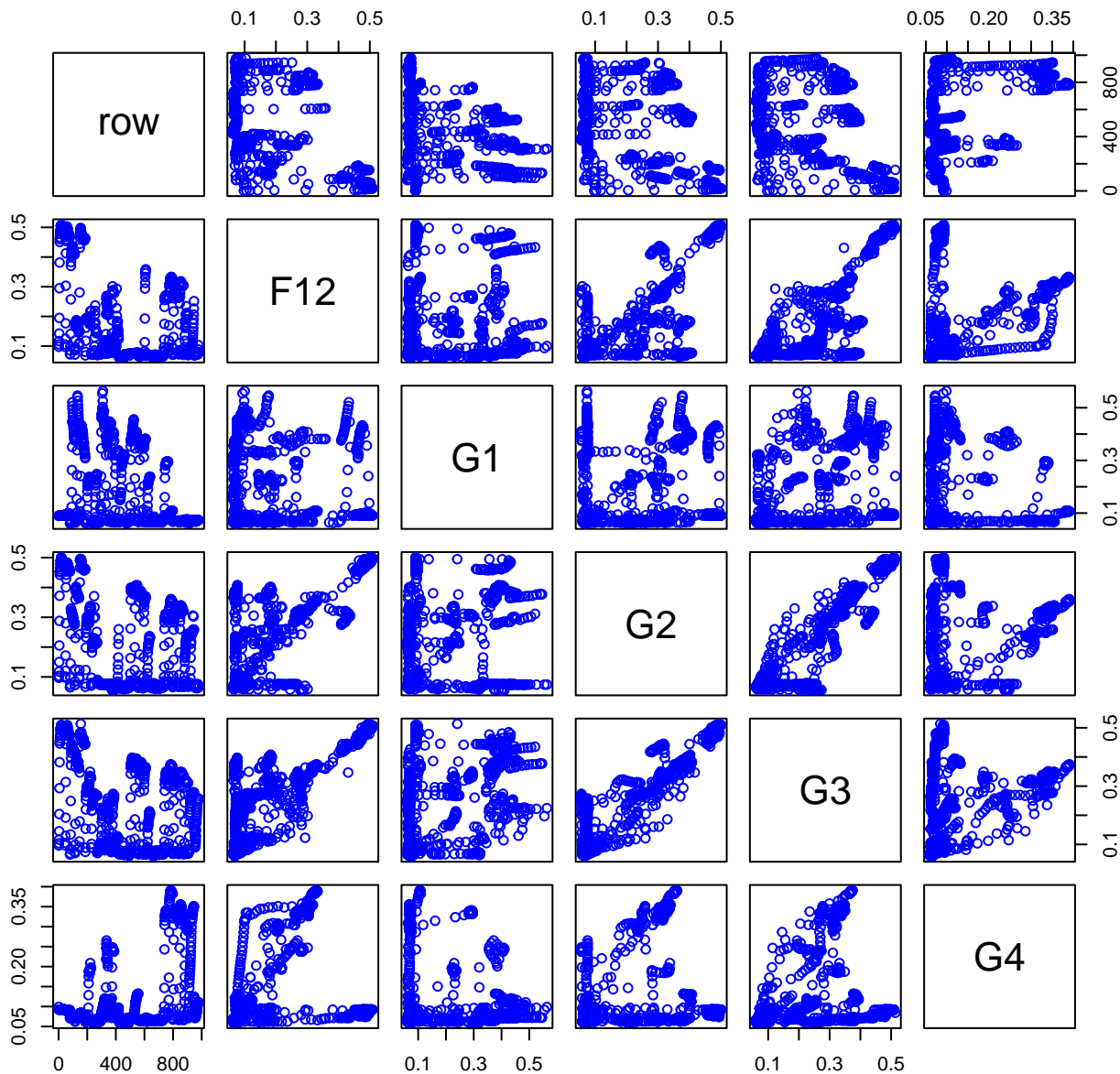




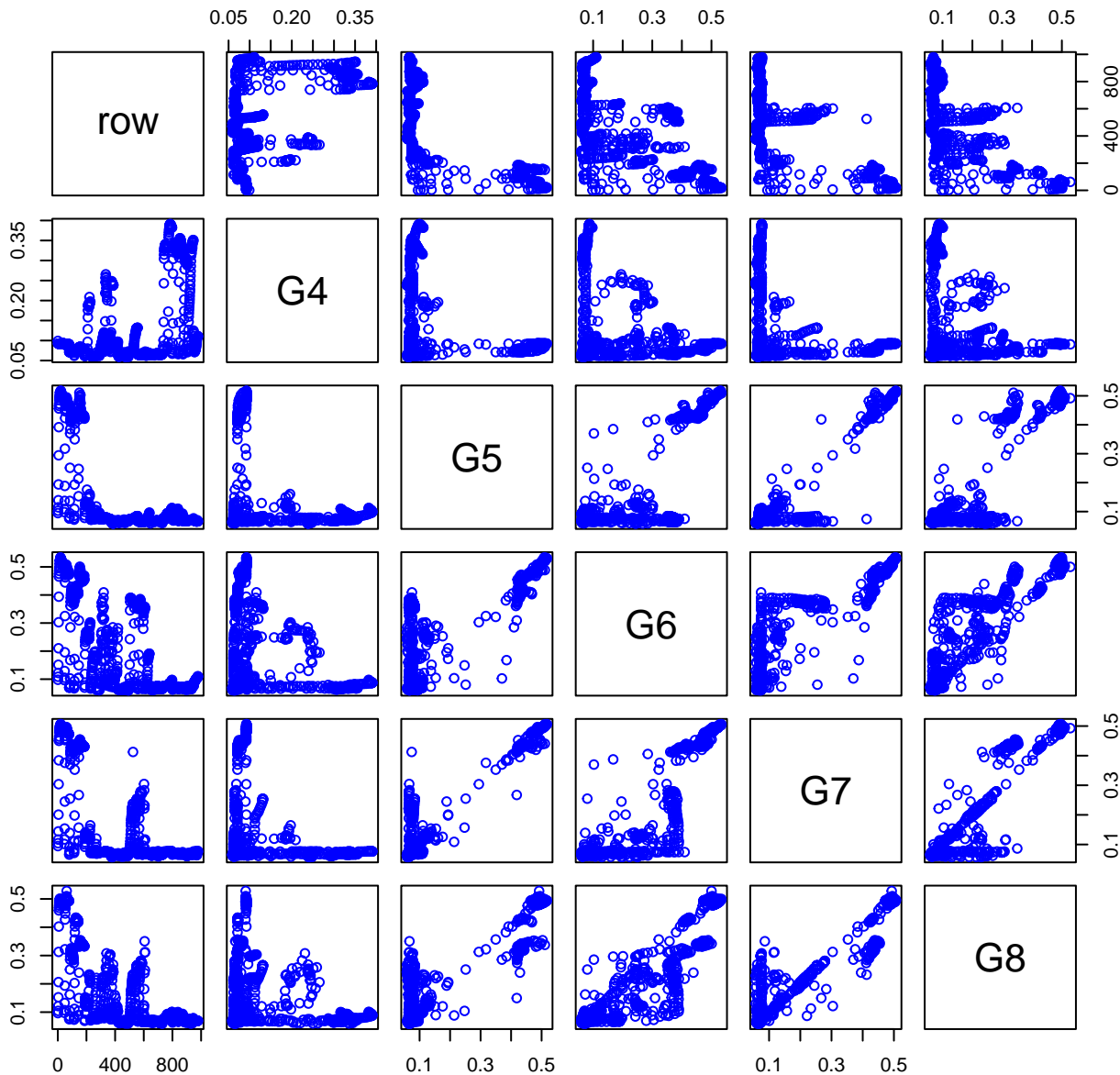
# HF438-01 Plot 19



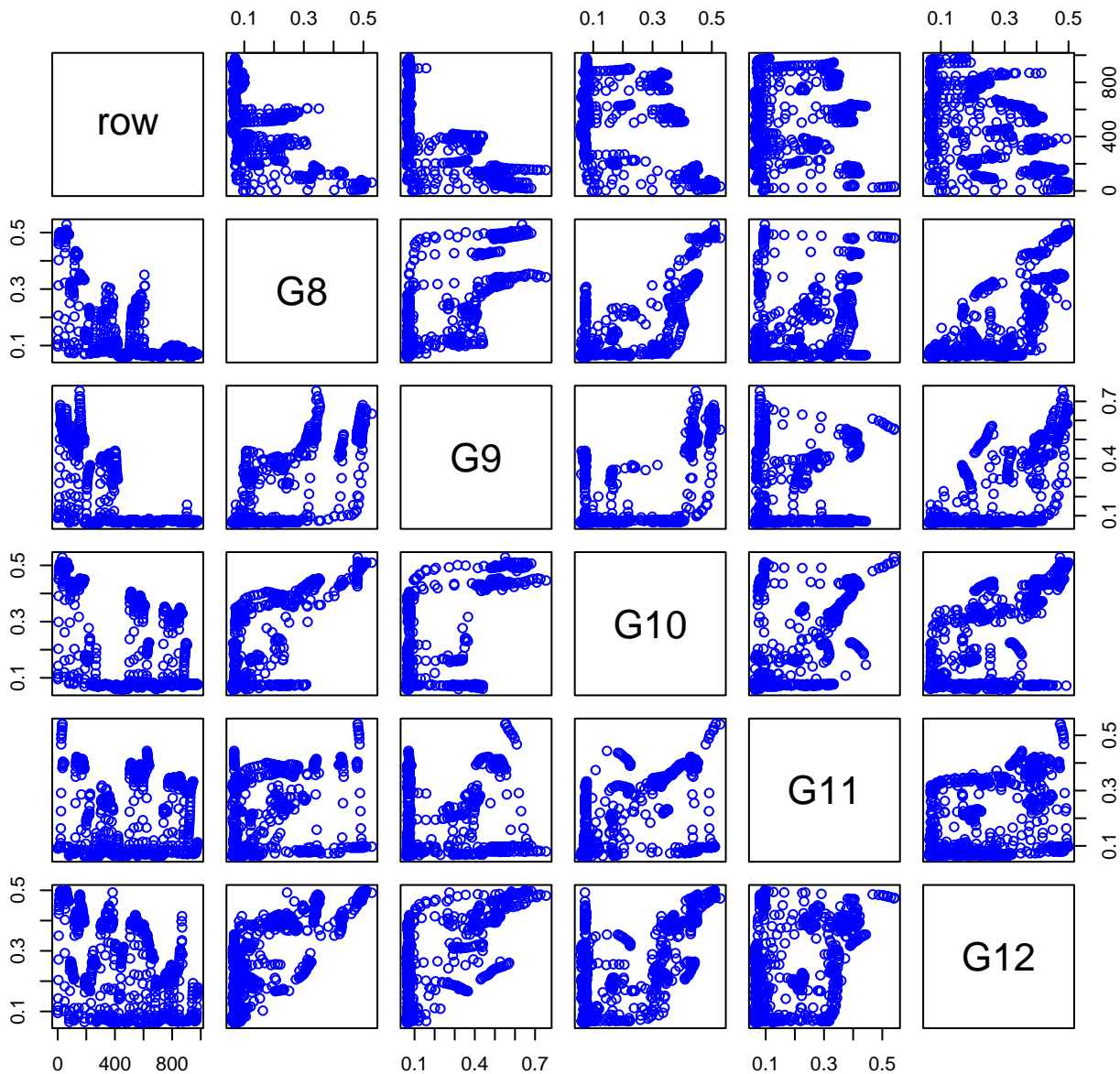
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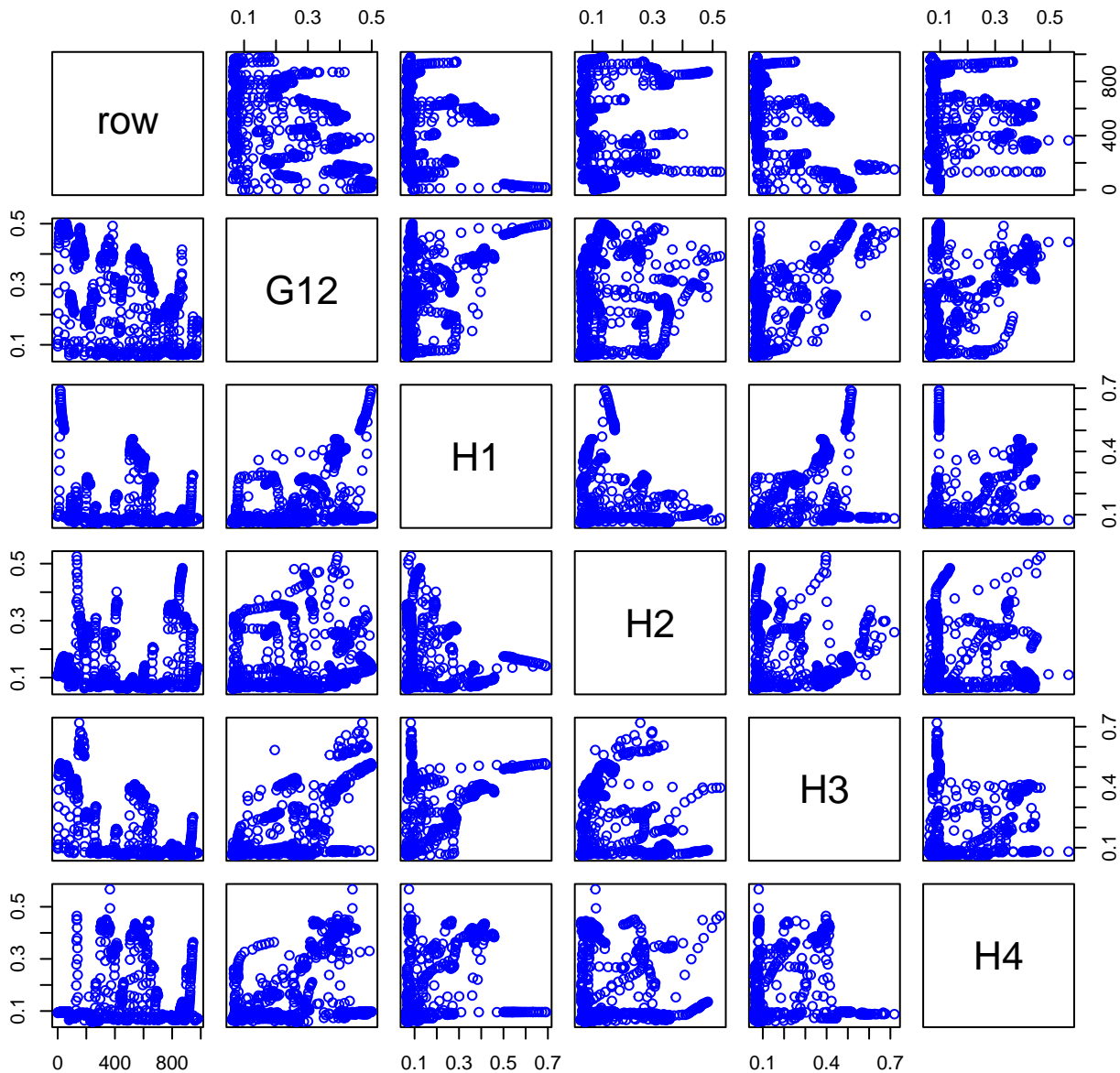
# HF438-01 Plot 21



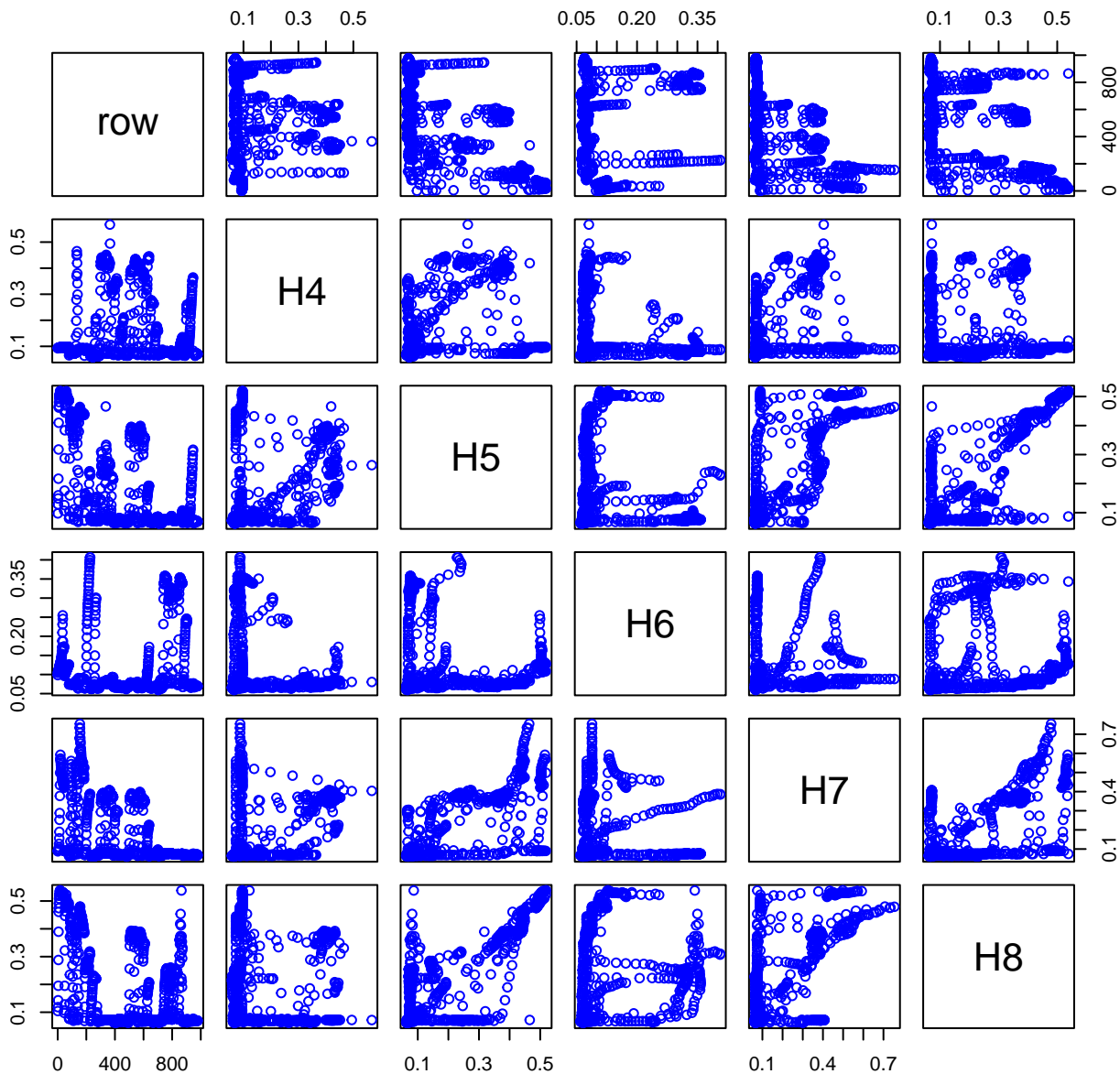
# HF438-01 Plot 22



# HF438-01 Plot 23



# HF438-01 Plot 24



# HF438-01 Plot 25

