Harvard Forest Data Archive HF022-05

Data File:

Name = hf022-05-future_env_6m.csv
Description = future 2080 environmental data scenario with 6m sea level rise
Rows = 114559 Columns = 24
MD5 checksum = 96f5cf22eaa9749f31a2657530e65021

Variables:

x = longitude in meters in Goode homolosine projection (meter)
y = latitude in meters in Goode homolosine projection (meter)
bio1c = annual mean temperature in degrees Celsius from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio10c = mean temperature of warmest quarter in degrees Celsius from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio11c = mean temperature of coldest quarter in degrees Celsius from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio12c = annual precipitation in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio13c = precipitation of wettest month in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio14c = precipitation of driest month in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio15c = precipitation seasonality in mm (coefficient of variation) from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio16c = precipitation of wettest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio17c = precipitation of driest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio18c = precipitation of warmest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio19c = precipitation of coldest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)
bio2c = mean diurnal range (Mean of monthly(max temp-mintemp)) from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio3c = isothermality (BIO2/BIO7)(*100) from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (dimensionless)
bio4c = temperature seasonality in degrees Celsius (standard deviation *100) from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio5c = max temperature in degrees Celsius of warmest month from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio6c = min temperature in degrees Celsius of coldest month from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio7c = temperature annual range in degrees Celsius (BIO5-BIO6) from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)
bio8c = mean temperature in degrees Celsius of wettest quarter from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)

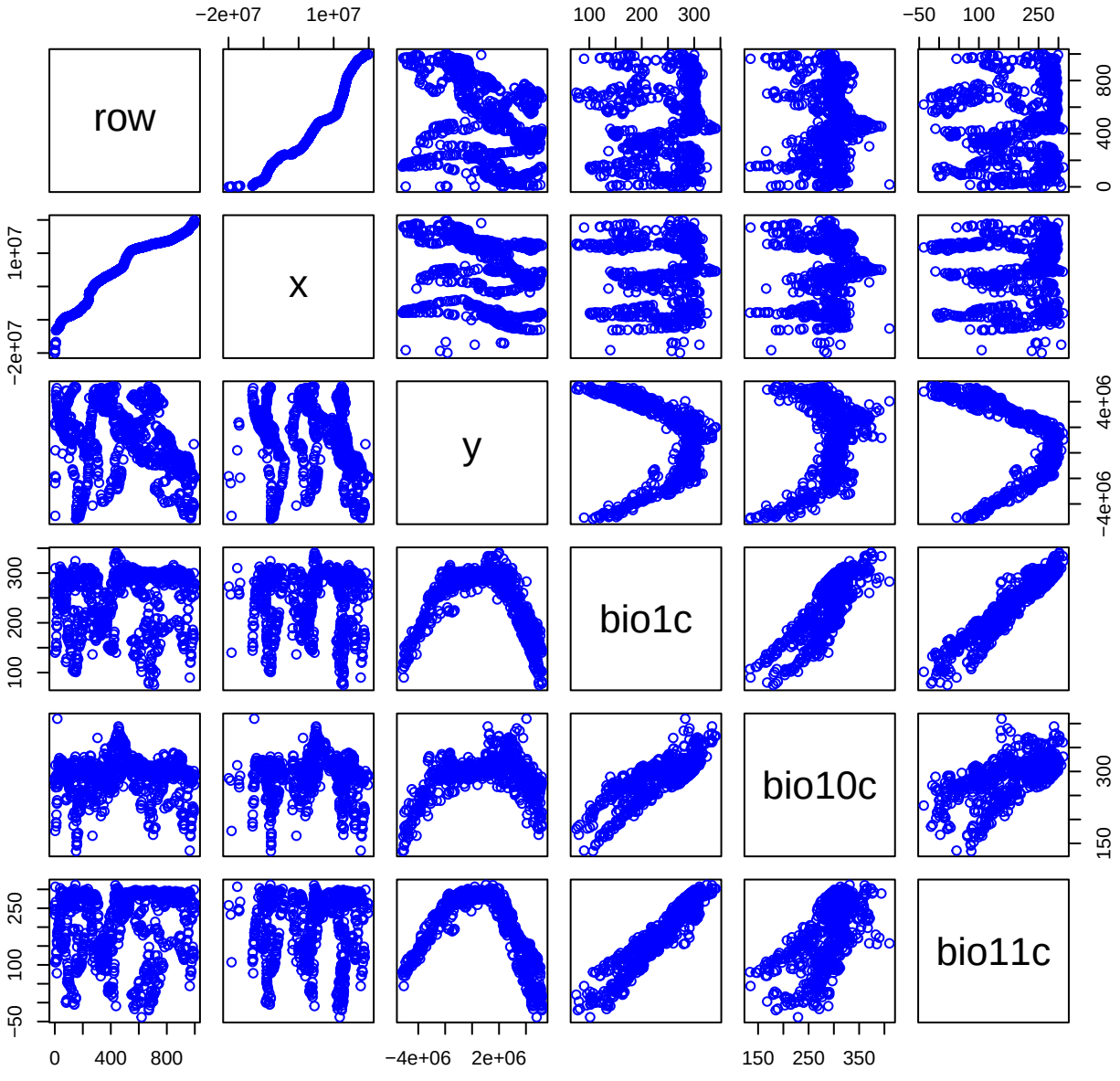
bio9c = mean temperature in degrees Celsius of driest quarter from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (celsius)

flac = flow accumulation (i.e. river discharge) in mm weighted by mean annual rainfall calculated from NCAR CCSM3 A1b 2080 conditions with 6m of sea level rise (millimeter)

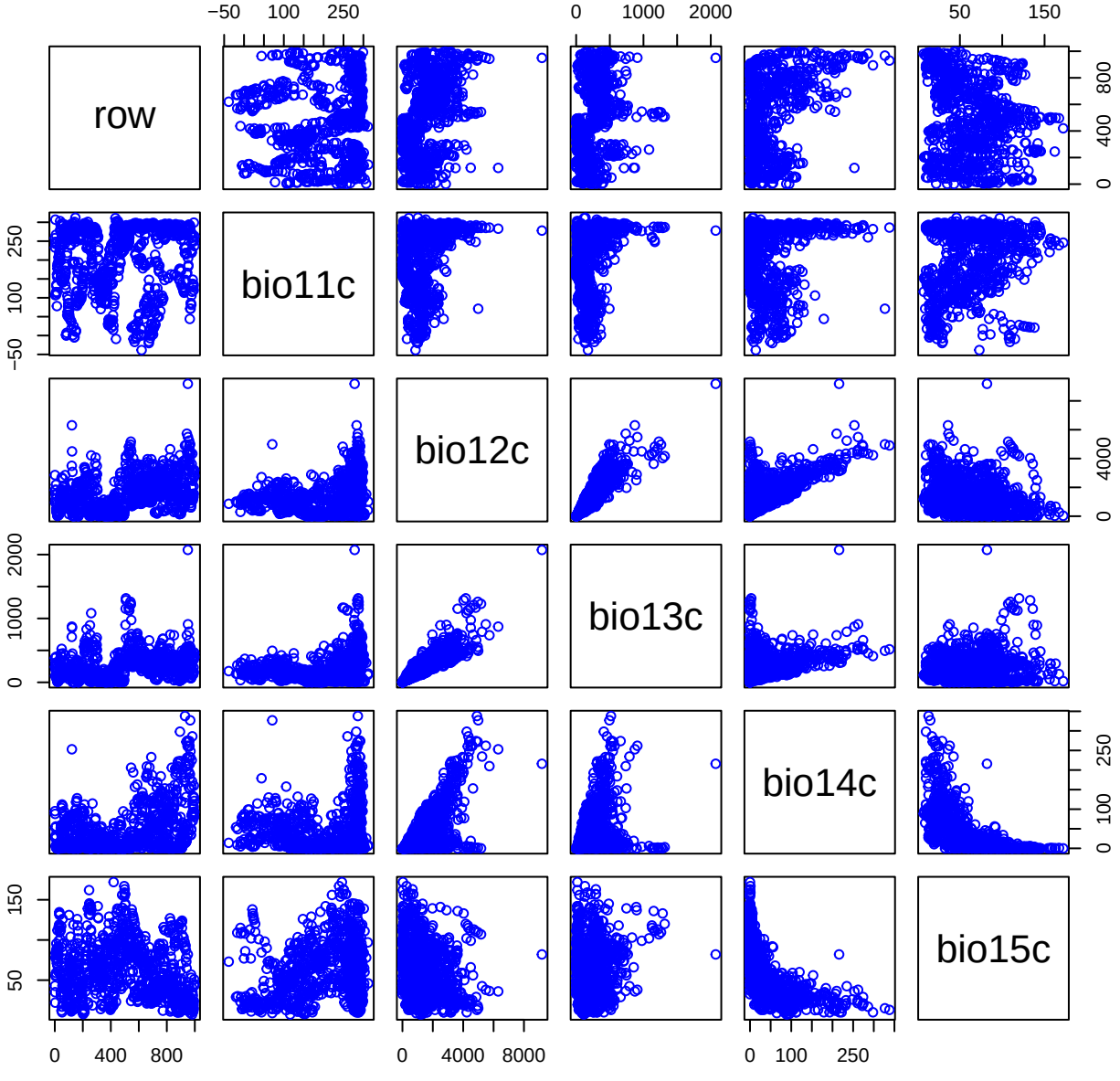
htidesc = horizontal tide estimated by dividing vertical tidal amplitude by slope, where vertical tides were obtained by summing the primary tidal amplitude constituents, M2 and K1. Primary tidal amplit constituents came from the NASA Planetary Geodynamics lab, and slope obtained from global bathymetry and topography digital elevation mode (meter)

Variable	Min	Median	Mean	Max	NAs
x	−19944531	7427271	5282956	19854475	0
y	−5197608	1171442	967545	5195818	0
bio1c	19.000	280.000	251.455	351.000	0
bio10c	69.000	299.000	290.851	414.000	0
bio11c	−54.000	248.000	210.201	317.000	0
bio12c	0.000	1337.000	1549.858	9560.000	0
bio13c	0.000	230.000	264.095	2114.000	0
bio14c	0.000	21.000	46.090	386.000	0
bio15c	0.000	59.000	63.364	245.000	0
bio16c	0.000	589.000	686.240	5396.000	0
bio17c	0.000	84.000	164.608	1349.000	0
bio18c	0.000	358.000	379.274	1876.000	0
bio19c	0.000	201.000	355.176	5396.000	0
bio2c	27.000	84.000	88.634	187.000	0
bio3c	16.000	57.000	55.702	94.000	0
bio4c	119.000	2303.000	3174.424	11717.000	0
bio5c	97.000	346.000	342.846	508.000	0
bio6c	−113.000	191.000	160.856	282.000	0
bio7c	54.000	162.000	181.990	450.000	0
bio8c	5.000	287.500	255.636	408.000	0
bio9c	−54.000	278.000	248.739	396.000	0
flac	0	12442	1365145	696597200	0
htidesc	0.000	0.001	4.874	444873.094	0

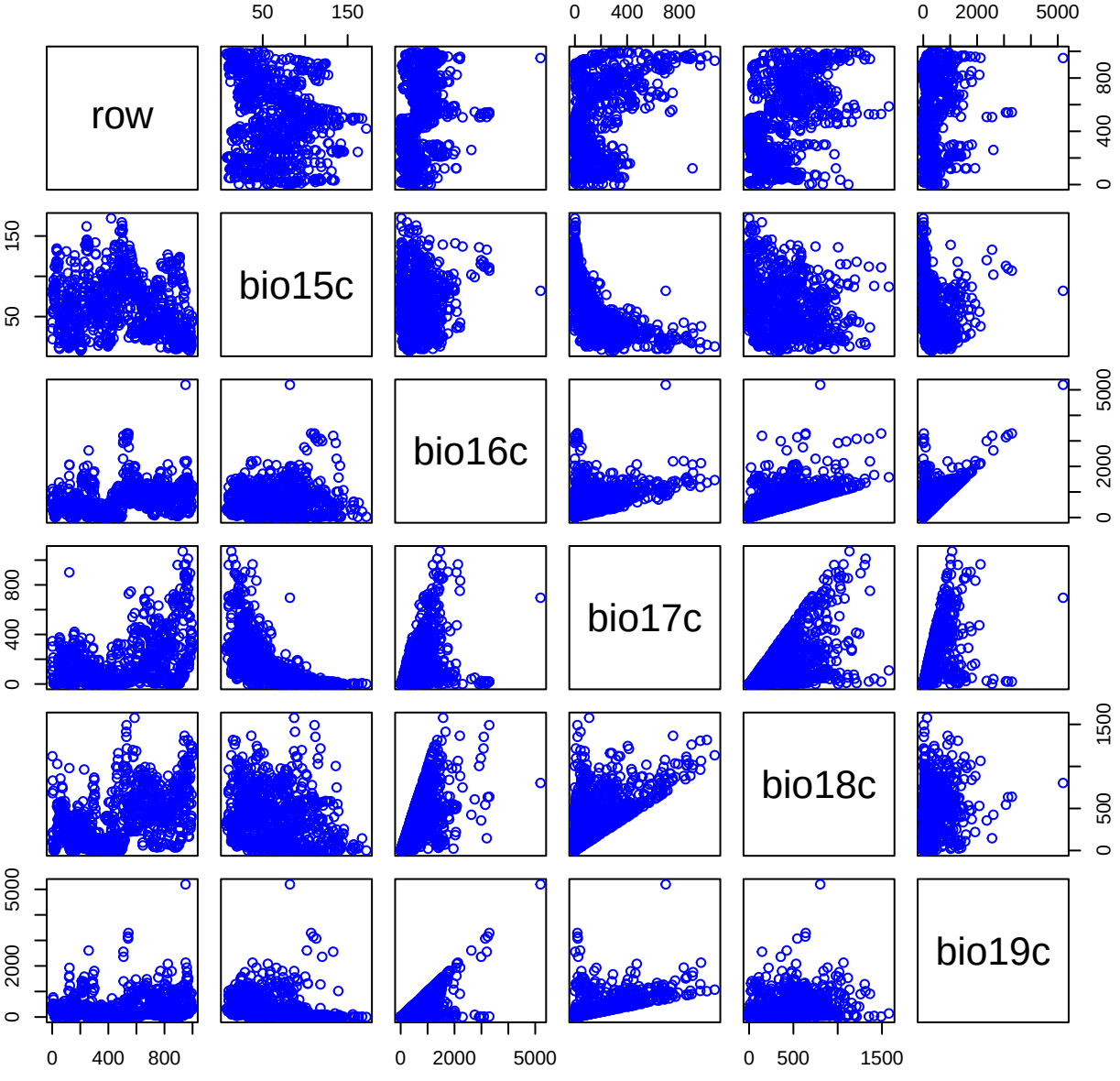
HF022−05 Plot 1



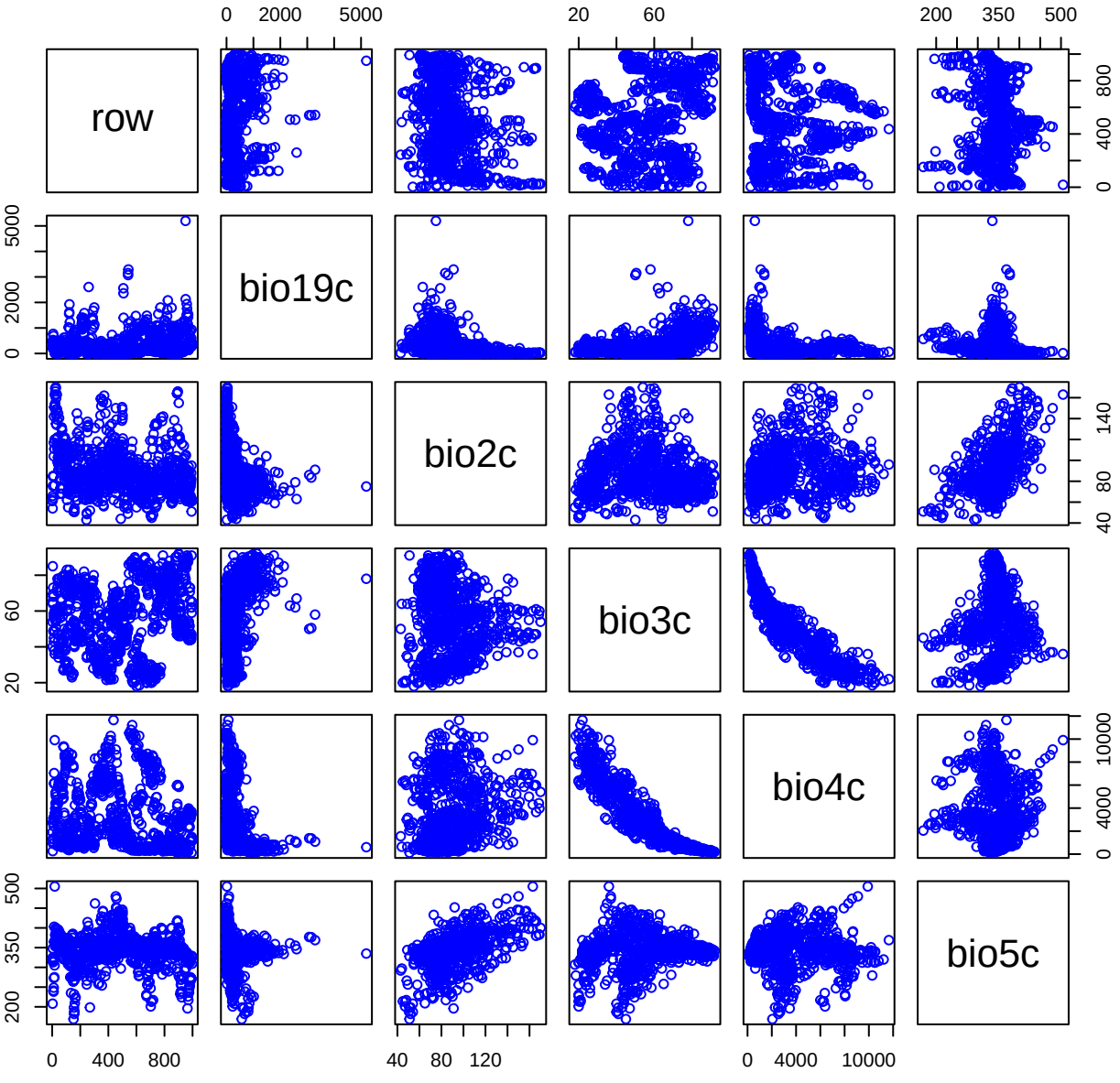
HF022−05 Plot 2



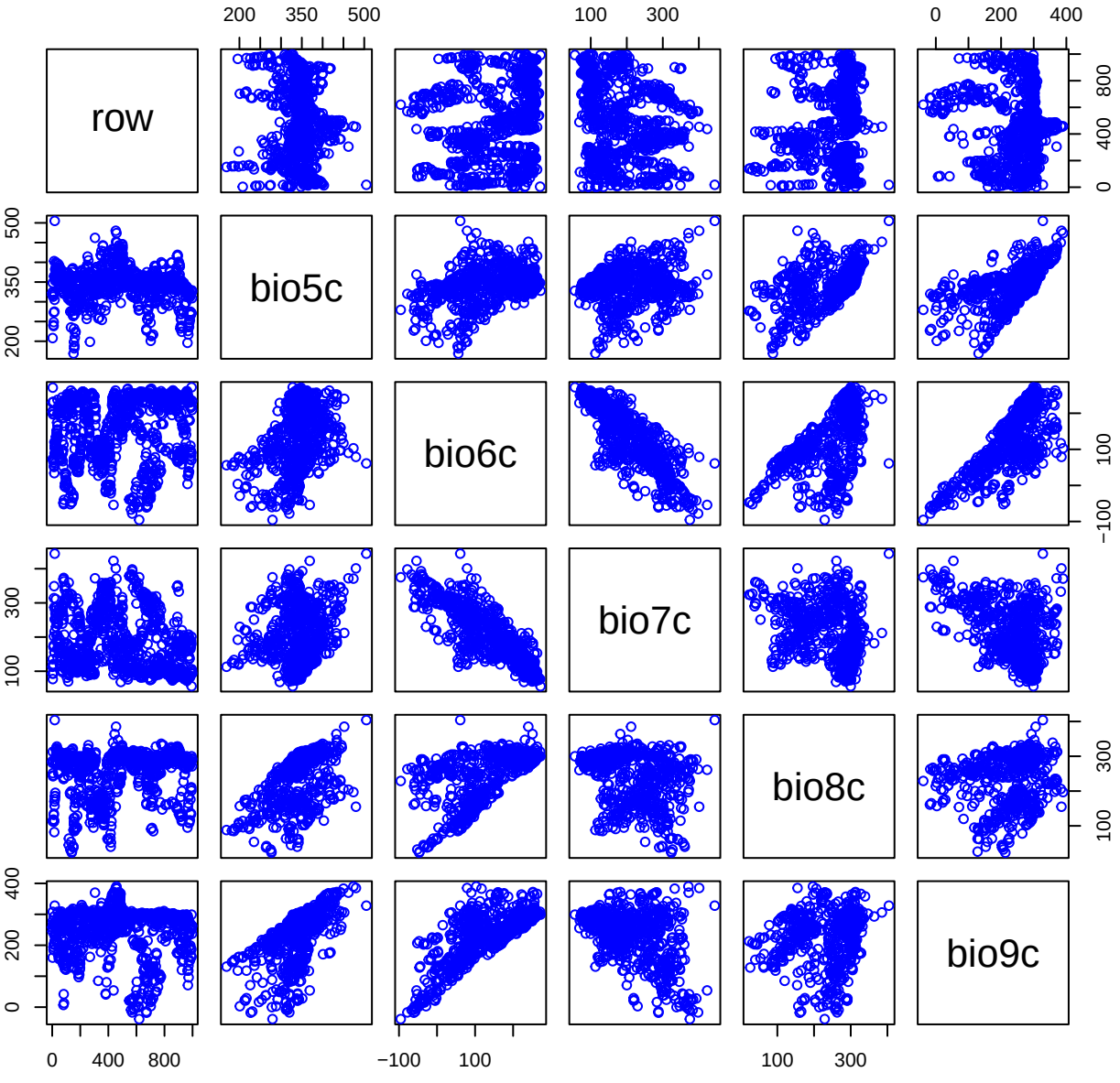
HF022−05 Plot 3



HF022−05 Plot 4



HF022−05 Plot 5



HF022−05 Plot 6