Harvard Forest Data Archive HF022-04

Data File:

Name = hf022-04-future_env_3m.csv
Description = future 2080 environmental data scenario with 3m sea level rise
Rows = 109735 Columns = 24
MD5 checksum = e3a615b67b279e854b27a2bc4dabac66

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 3m of sea level rise (celsius)
bio10c = mean temperature of warmest quarter in degrees Celsius from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio11c = mean temperature of coldest quarter in degrees Celsius from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio12c = annual precipitation in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio13c = precipitation of wettest month in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio14c = precipitation of driest month in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio15c = precipitation seasonality in mm (coefficient of variation) from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio16c = precipitation of wettest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio17c = precipitation of driest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio18c = precipitation of warmest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio19c = precipitation of coldest quarter in mm from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)
bio2c = mean diurnal range (Mean of monthly(max temp-mintemp)) from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio3c = isothermality (BIO2/BIO7)(*100) from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (dimensionless)
bio4c = temperature seasonality in degrees Celsius (standard deviation *100) from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio5c = max temperature in degrees Celsius of warmest month from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio6c = min temperature in degrees Celsius of coldest month from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio7c = temperature annual range in degrees Celsius (BIO5-BIO6) from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)
bio8c = mean temperature in degrees Celsius of wettest quarter from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)

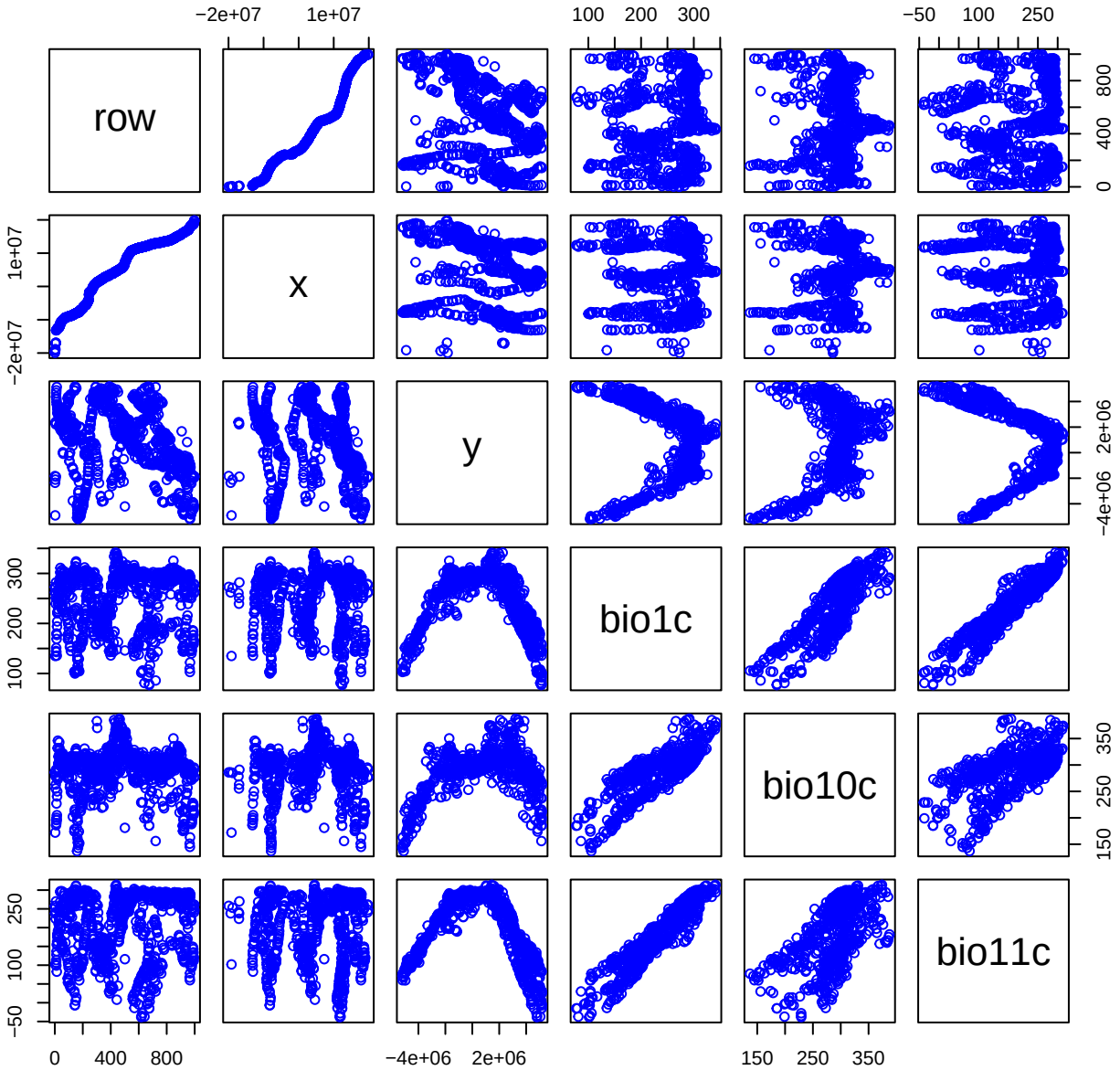
bio9c = mean temperature in degrees Celsius of driest quarter from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (celsius)

flac = flow accumulation (i.e. river discharge) in mm weighted by mean annual rainfall calculated from NCAR CCSM3 A1b 2080 conditions with 3m of sea level rise (millimeter)

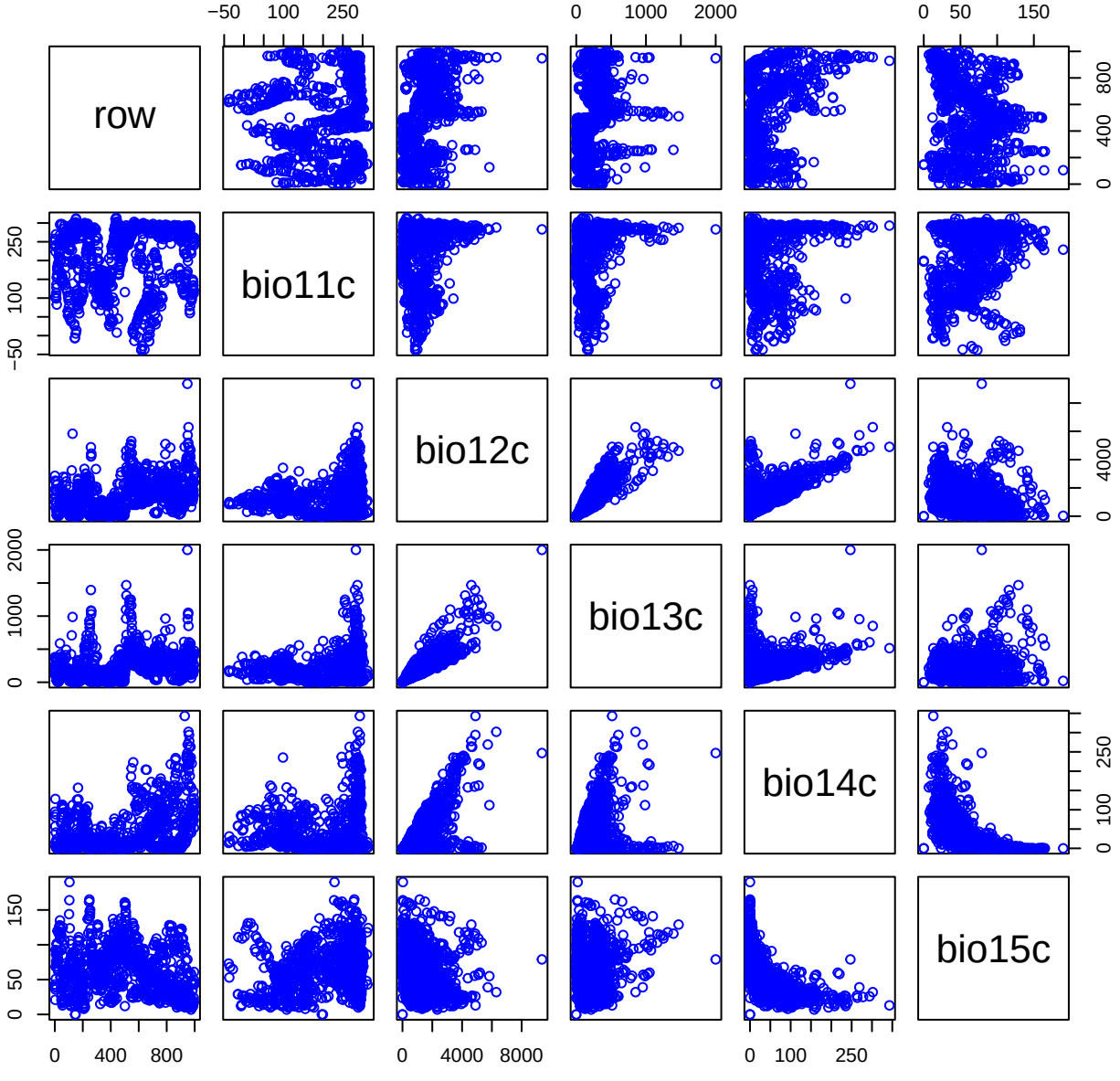
htidesc = horizontal tide estimated by dividing vertical tidal amplitude by slope, where vertical tides were obtained by summing the primary tidal amplitude constituents, M2 and K1. Primary tidal amplit constituents came from the NASA Planetary Geodynamics lab, and slope obtained from global bathymetry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

Variable	Min	Median	Mean	Max	NAs
x	−19944599	7064491	5266509	19854407	0
y	−5197608	1197350	979818	5195818	0
bio1c	19.000	279.000	250.632	352.000	0
bio10c	69.000	299.000	290.253	414.000	0
bio11c	−52.000	246.000	209.213	317.000	0
bio12c	0.000	1310.000	1531.557	9560.000	0
bio13c	0.000	225.000	261.227	2114.000	0
bio14c	0.000	21.000	45.947	386.000	0
bio15c	0.000	60.000	63.487	259.000	0
bio16c	0.000	579.000	678.601	5396.000	0
bio17c	0.000	82.500	164.293	1349.000	0
bio18c	0.000	352.500	376.286	1876.000	0
bio19c	0.000	197.000	349.186	5396.000	0
bio2c	27.000	84.000	87.933	183.000	0
bio3c	16.000	56.000	55.376	94.000	0
bio4c	119.000	2336.000	3190.010	11717.000	0
bio5c	97.000	345.000	341.777	508.000	0
bio6c	−107.000	189.000	160.273	282.000	0
bio7c	54.000	162.000	181.503	450.000	0
bio8c	5.000	287.000	254.550	408.000	0
bio9c	−52.000	277.000	248.512	396.000	0
flac	0	10325	833874	696597200	0
htidesc	0.000	0.001	0.006	1.560	0

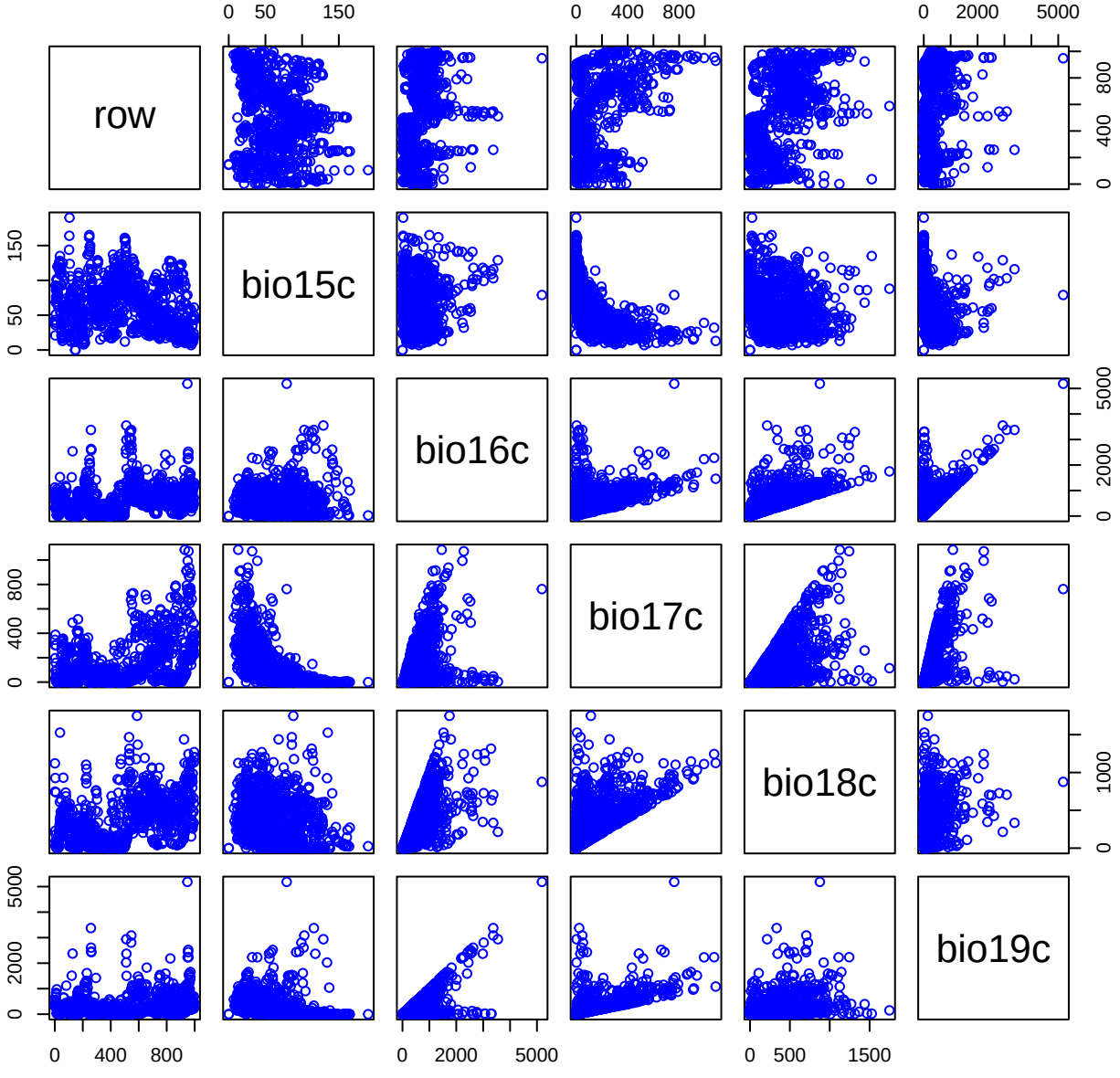
HF022−04 Plot 1



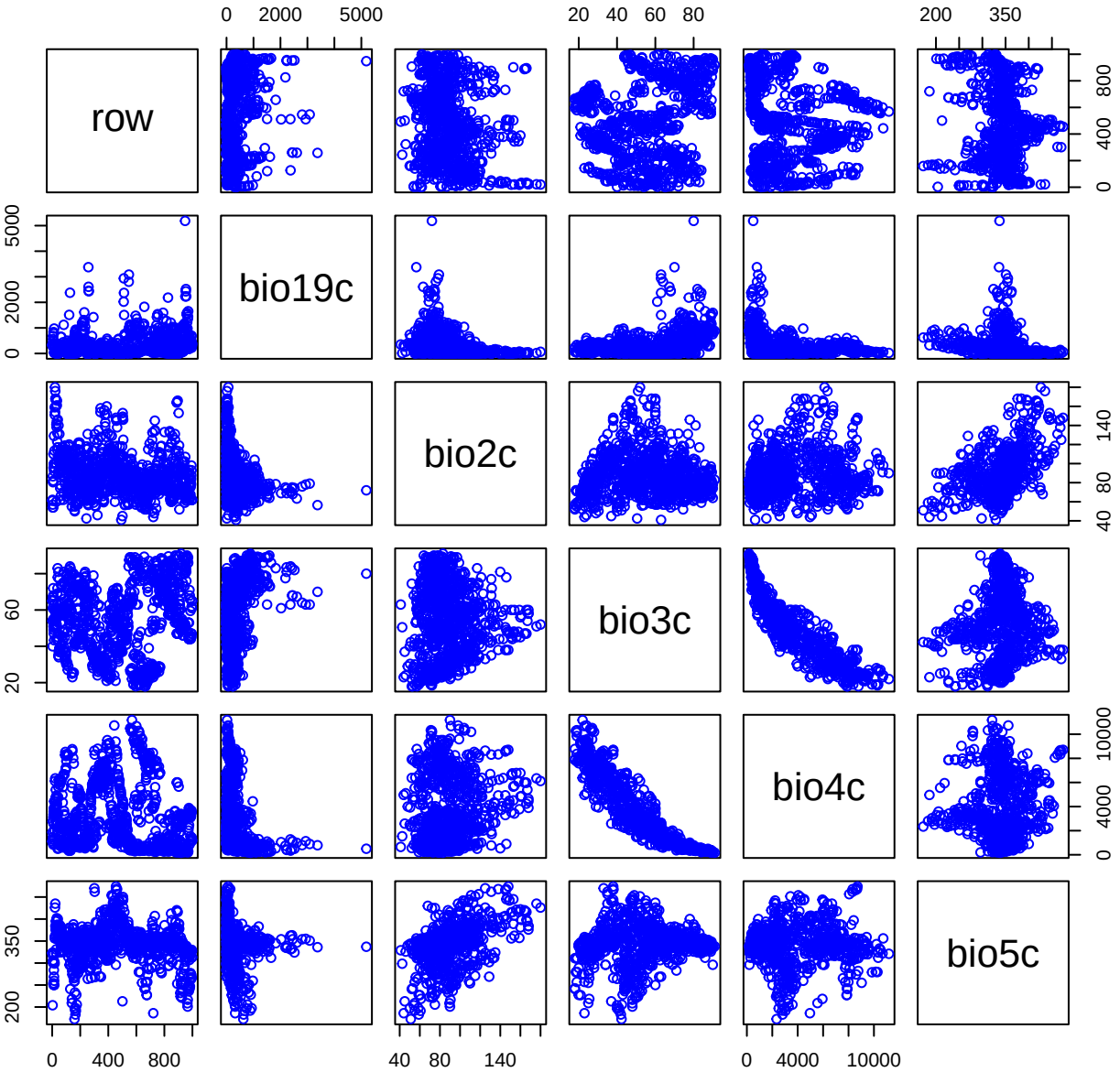
HF022−04 Plot 2



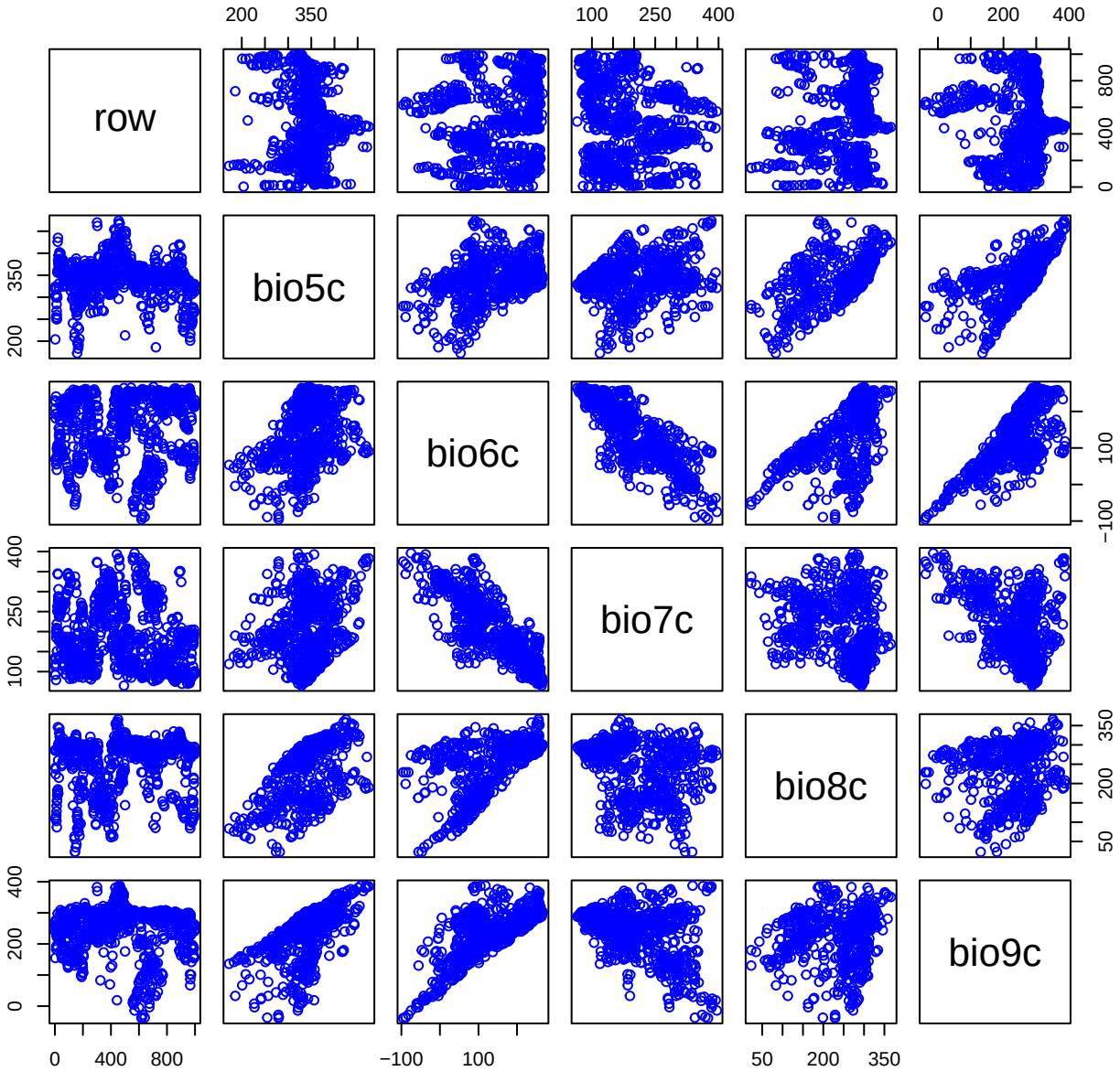
HF022−04 Plot 3



HF022−04 Plot 4



HF022−04 Plot 5



HF022−04 Plot 6