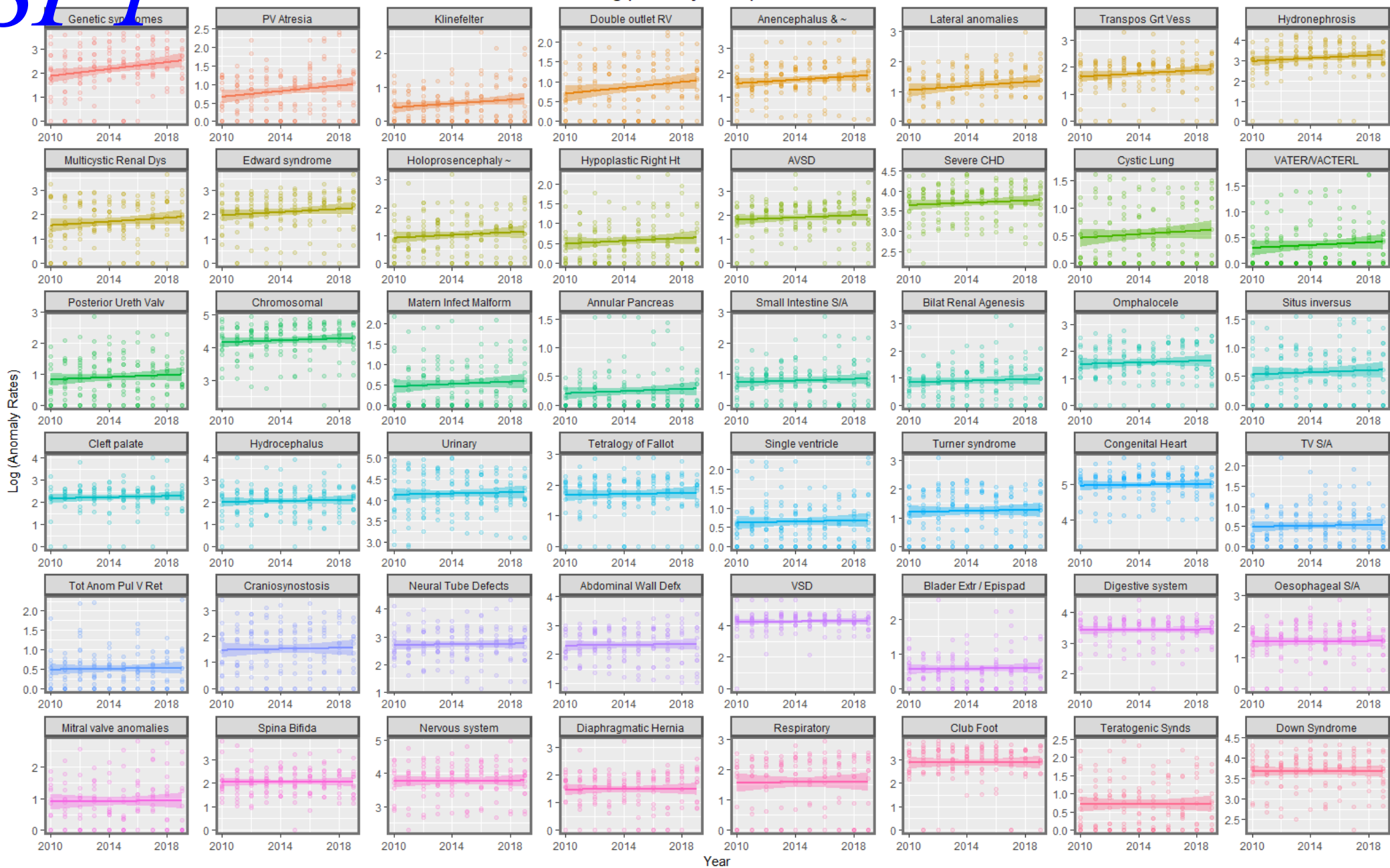


Supplementary Figures

SF1

Log (Anomaly Rates) Over Time

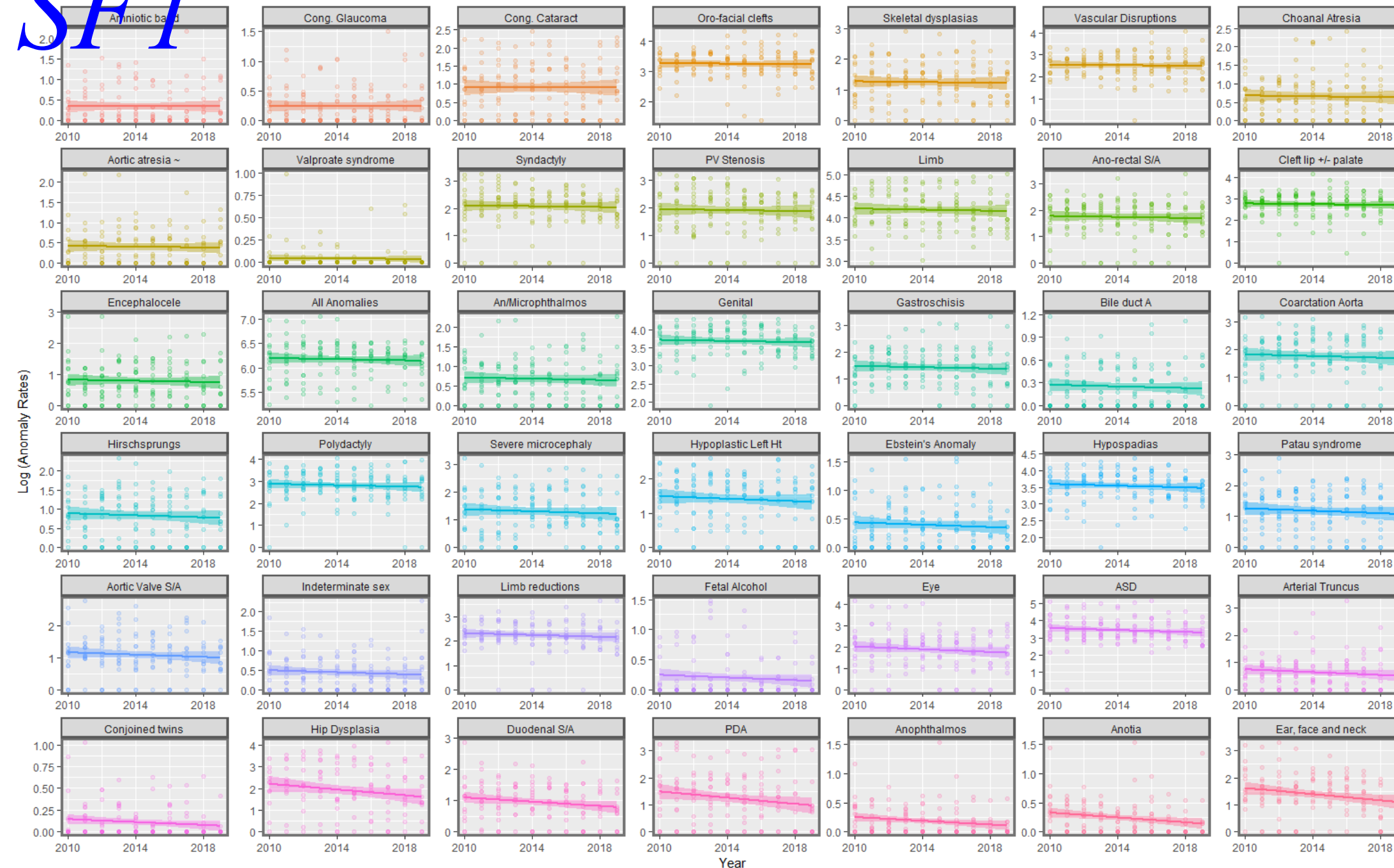


~ Time

SF1

Log (Anomaly Rates) Over Time

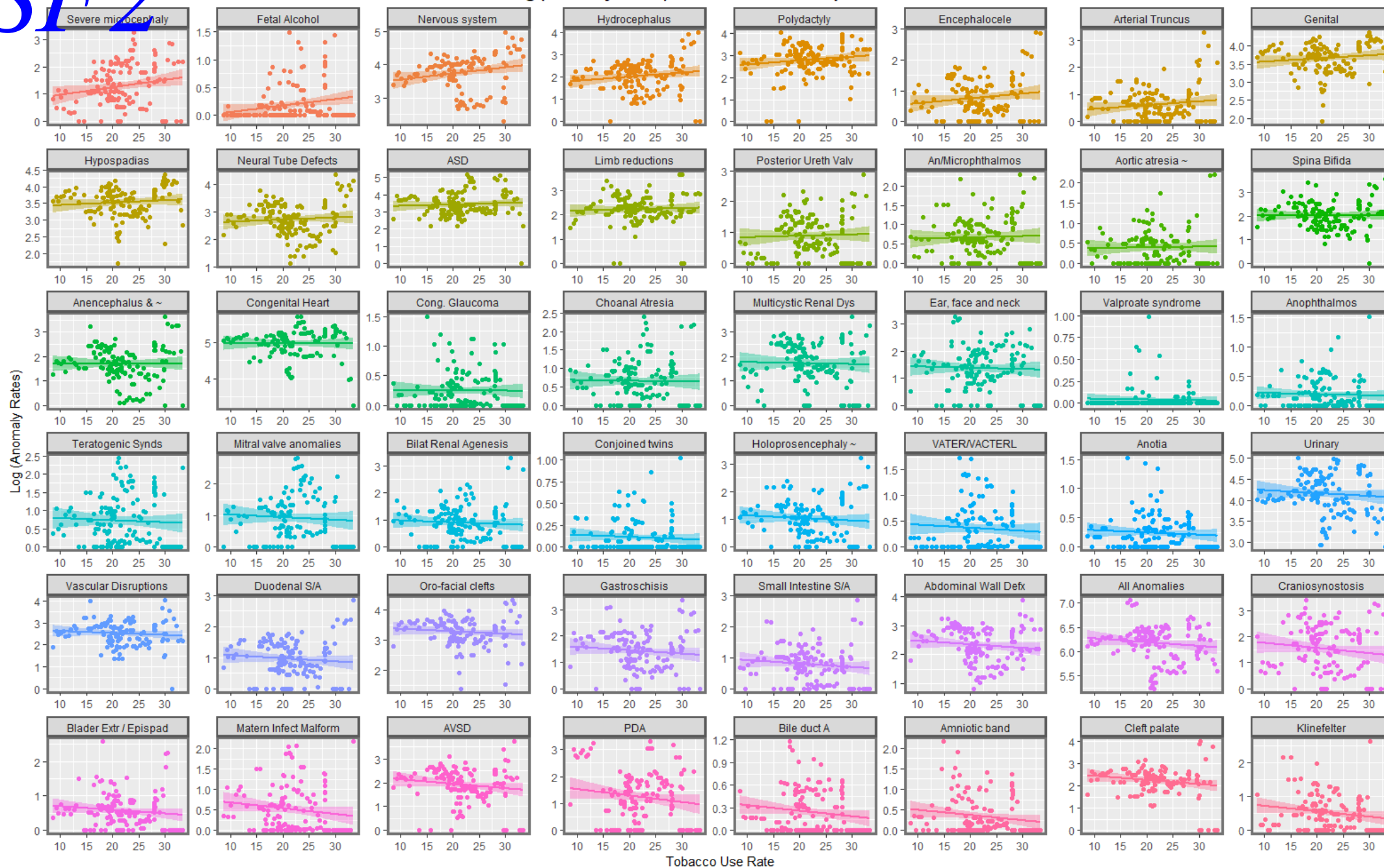
Time_2



SE2

Log (Anomaly Rates) Bivariate Relationship to Tobacco

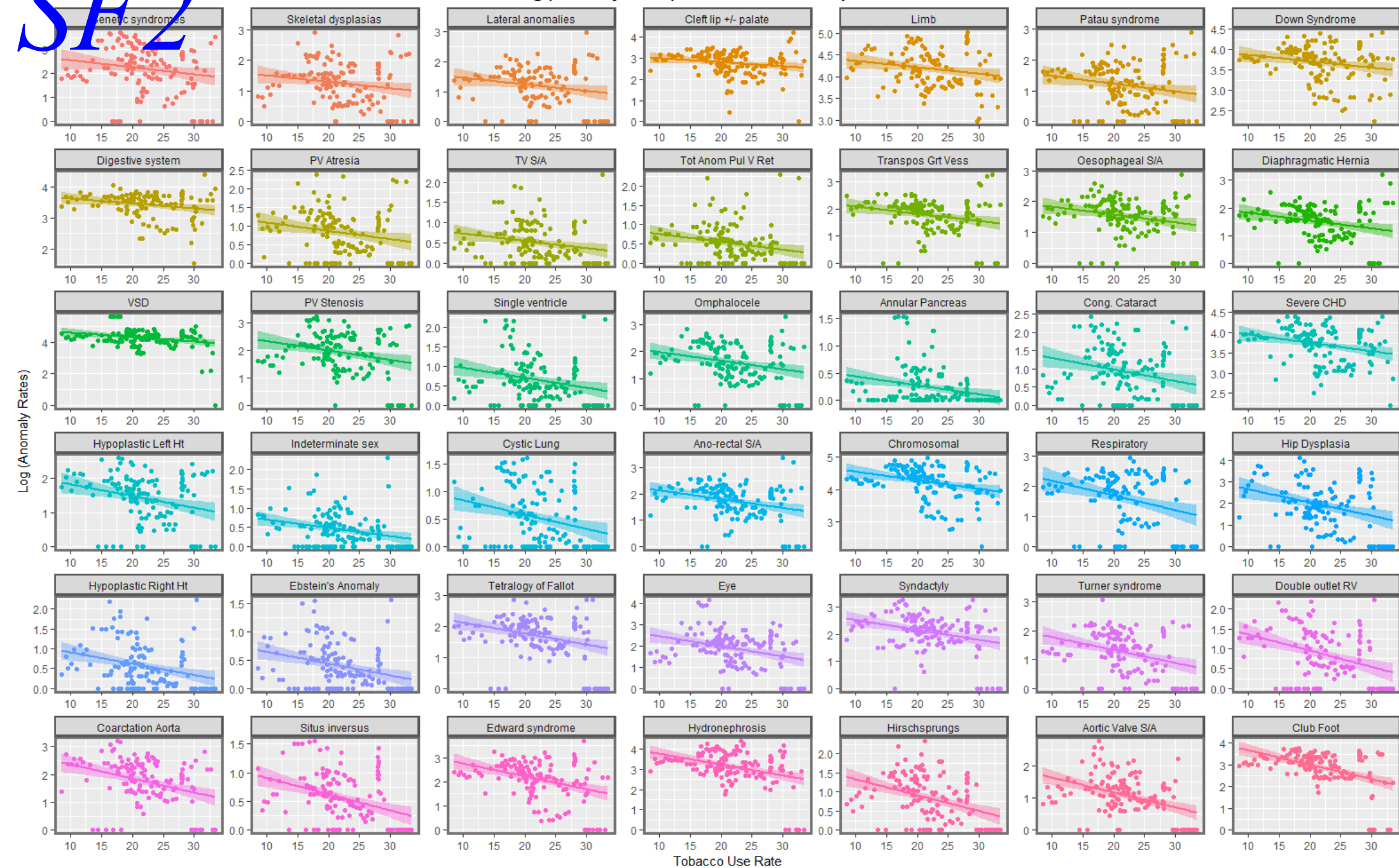
Tob



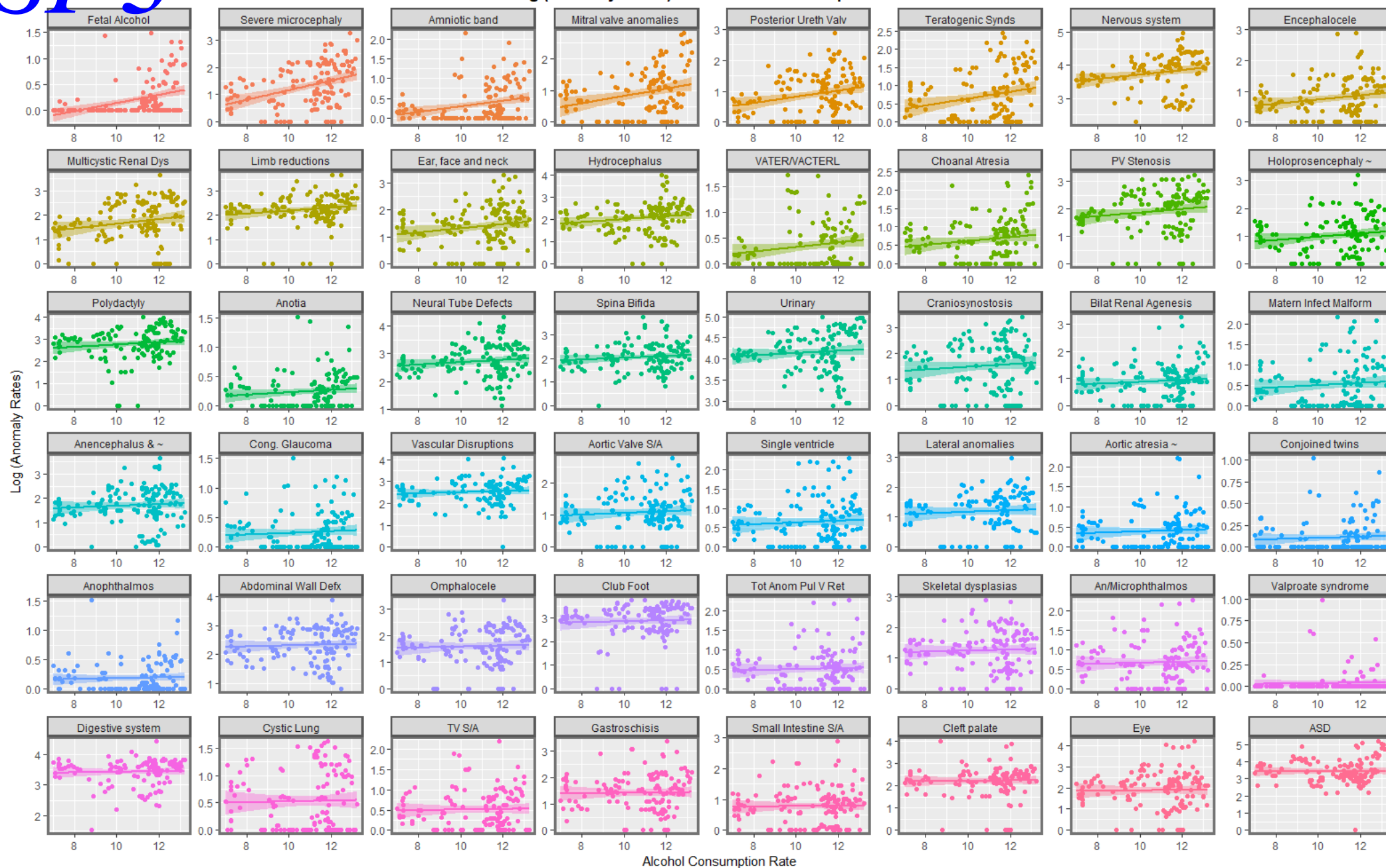
SE2

Log (Anomaly Rates) Bivariate Relationship to Tobacco

Tob2



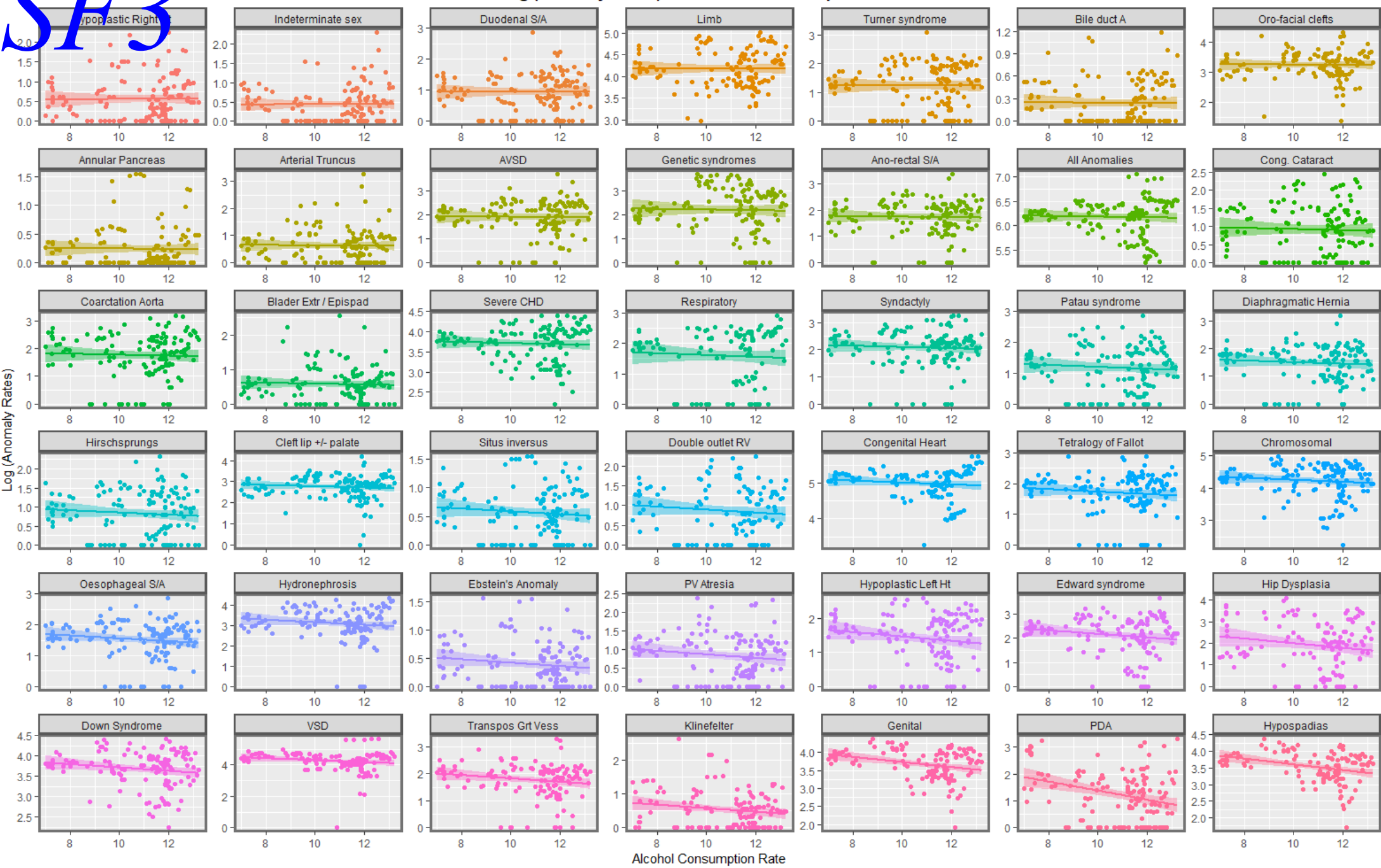
Log (Anomaly Rates) Bivariate Relationship to Alcohol



SF3

Log (Anomaly Rates) Bivariate Relationship to Alcohol

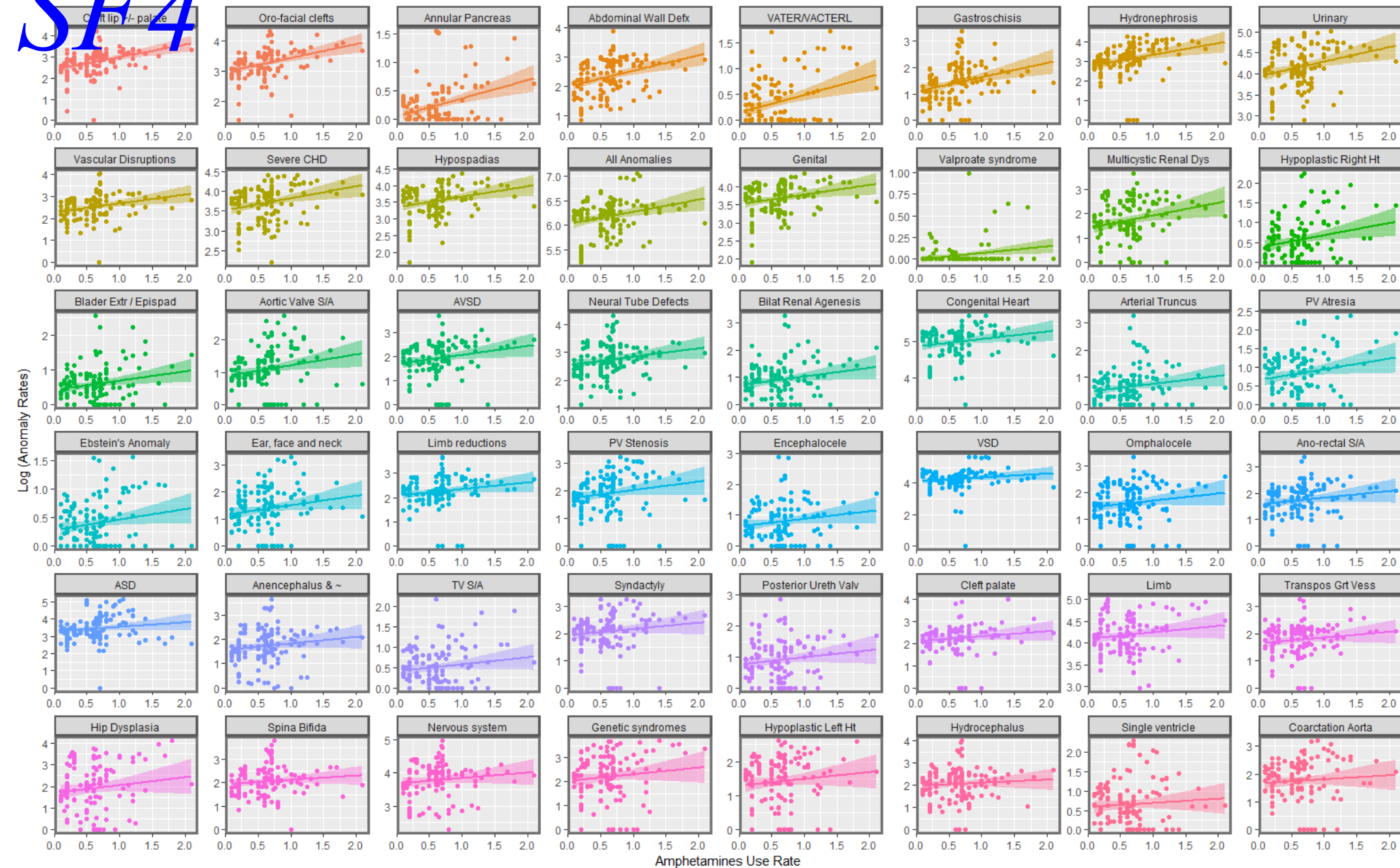
Alc2

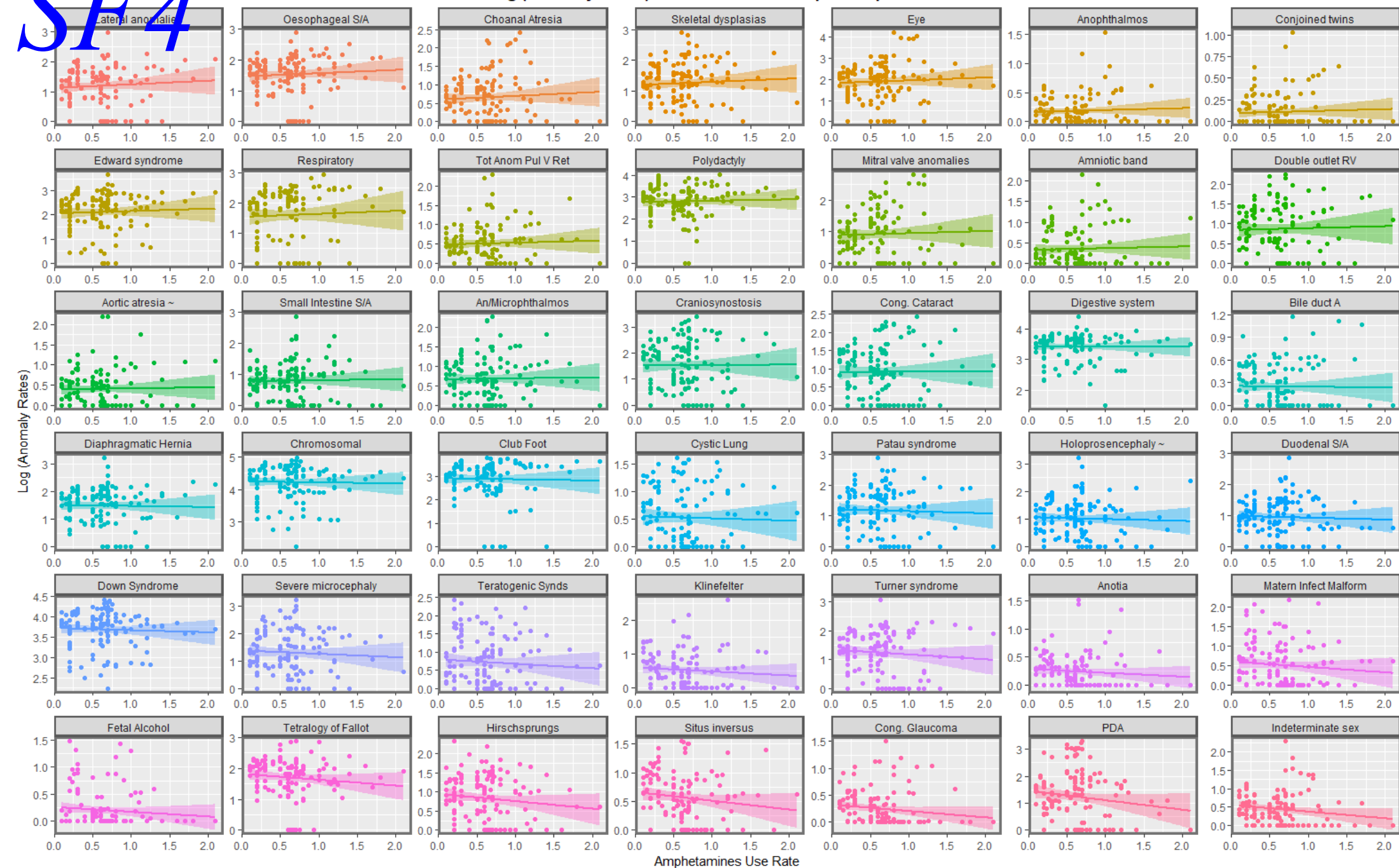


SF4

Log (Anomaly Rates) Bivariate Relationship to Amphetamines

Amph

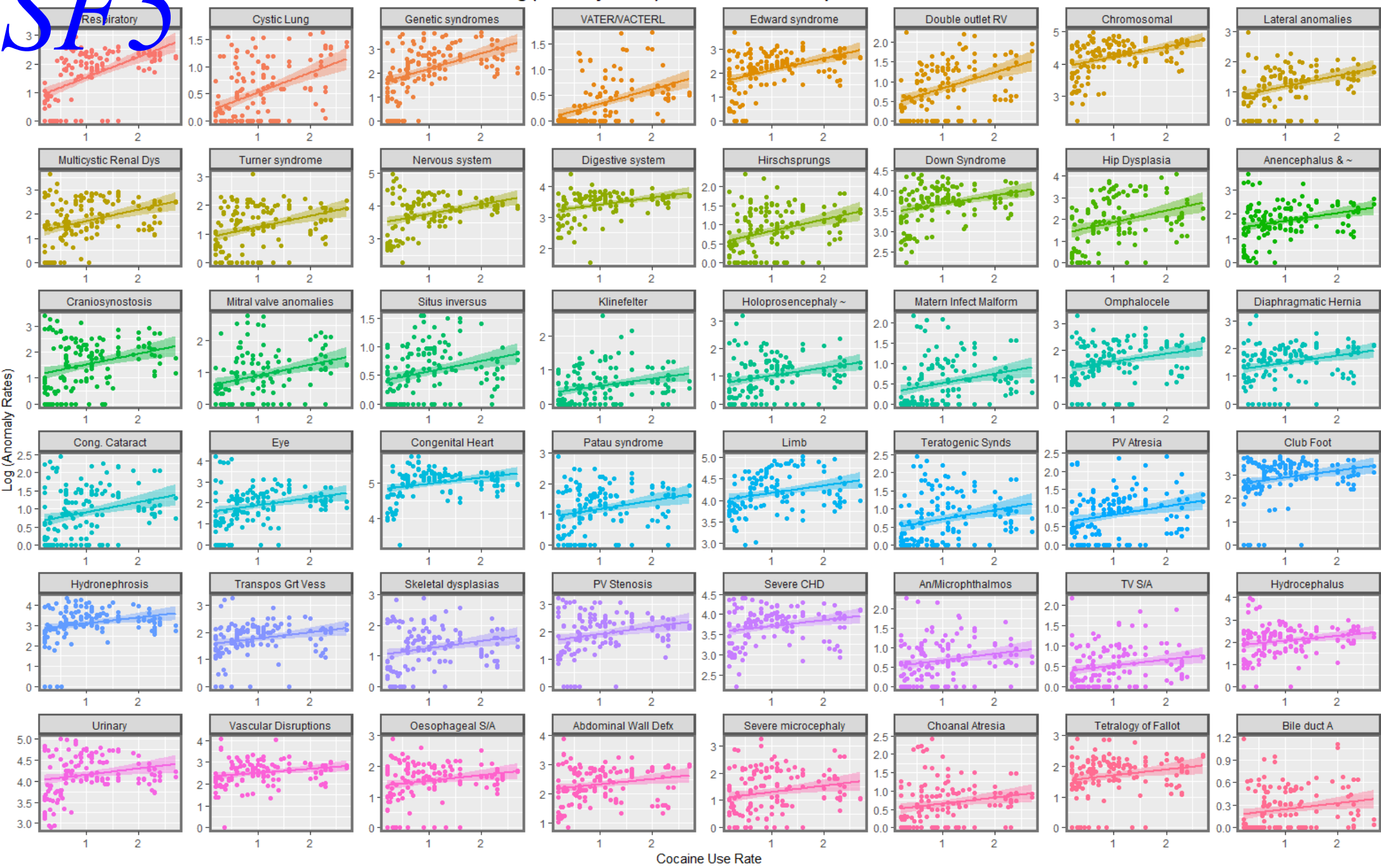




SF5

Log (Anomaly Rates) Bivariate Relationship to Cocaine

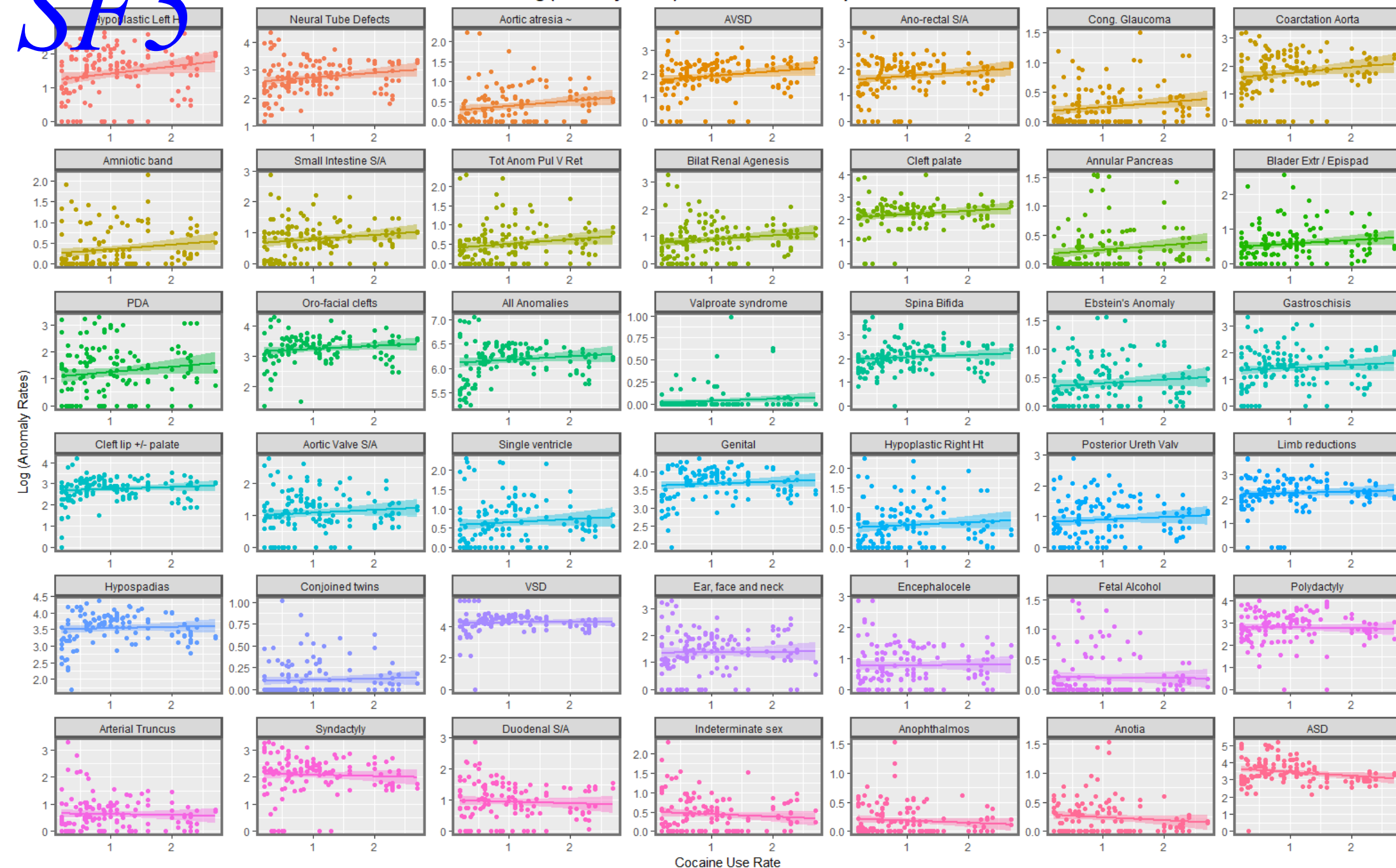
Cocc



SF5

Log (Anomaly Rates) Bivariate Relationship to Cocaine

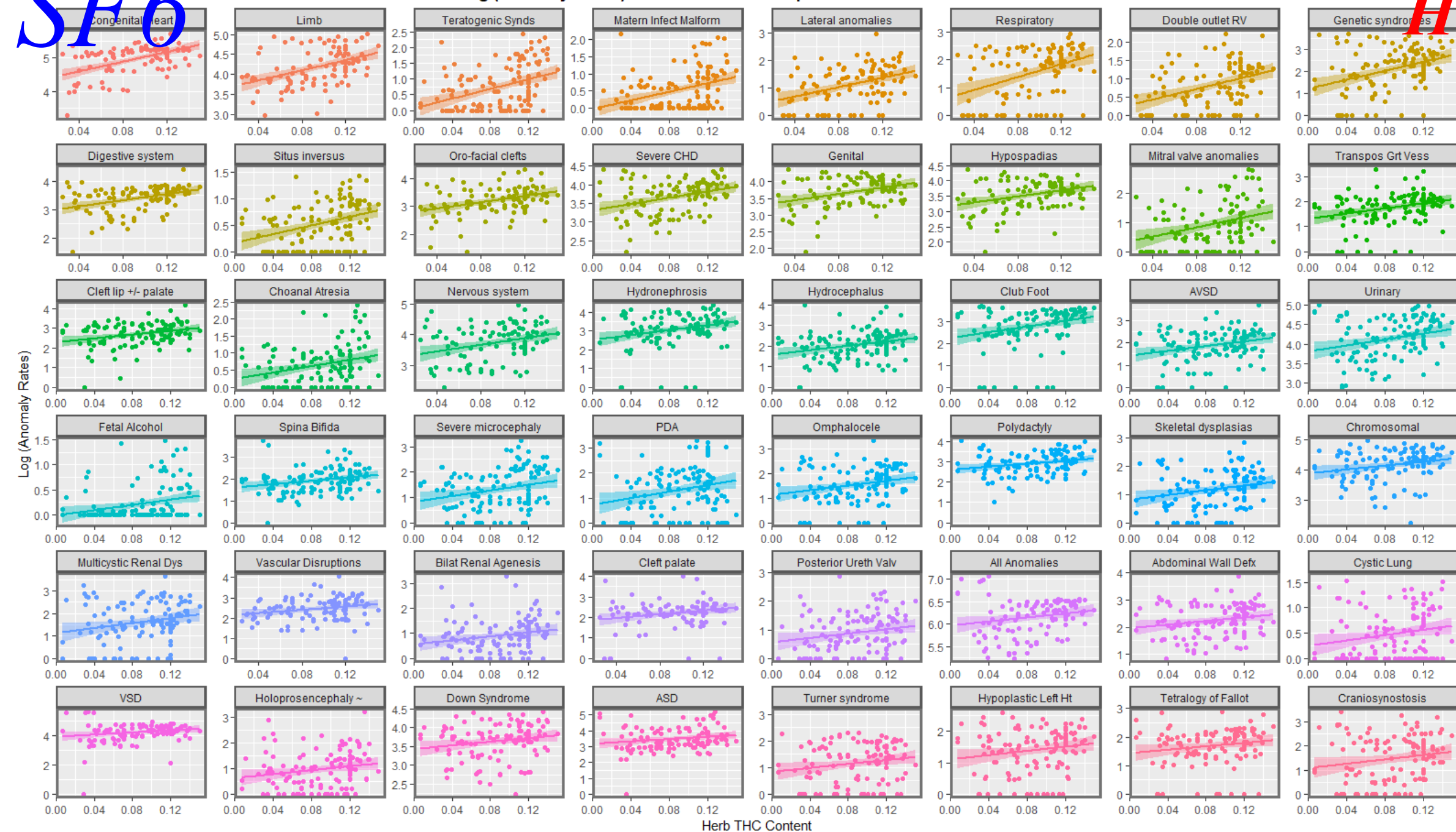
Coc2

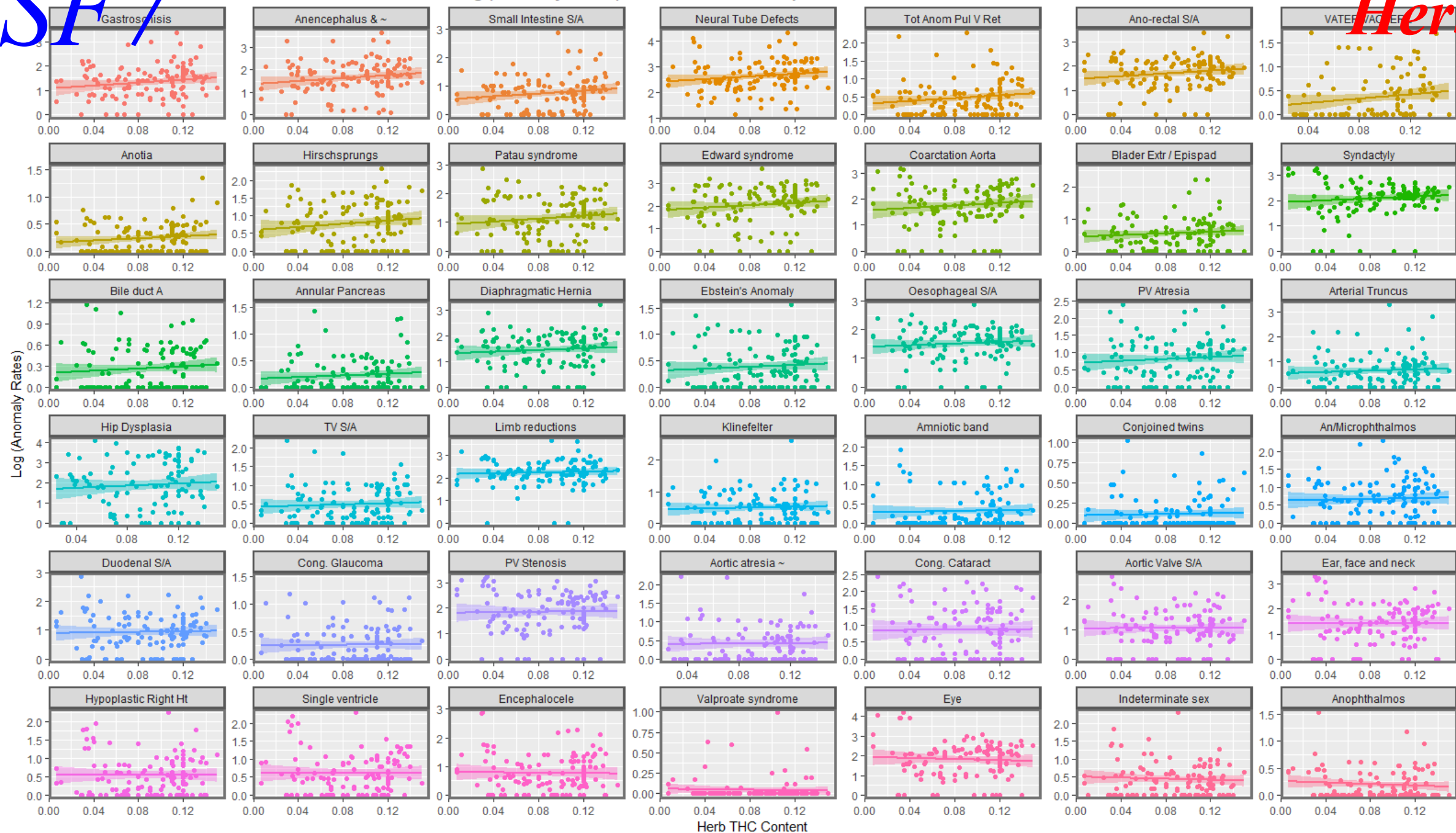


SF6

Log (Anomaly Rates) Bivariate Relationship to Cannabis Herb THC Content

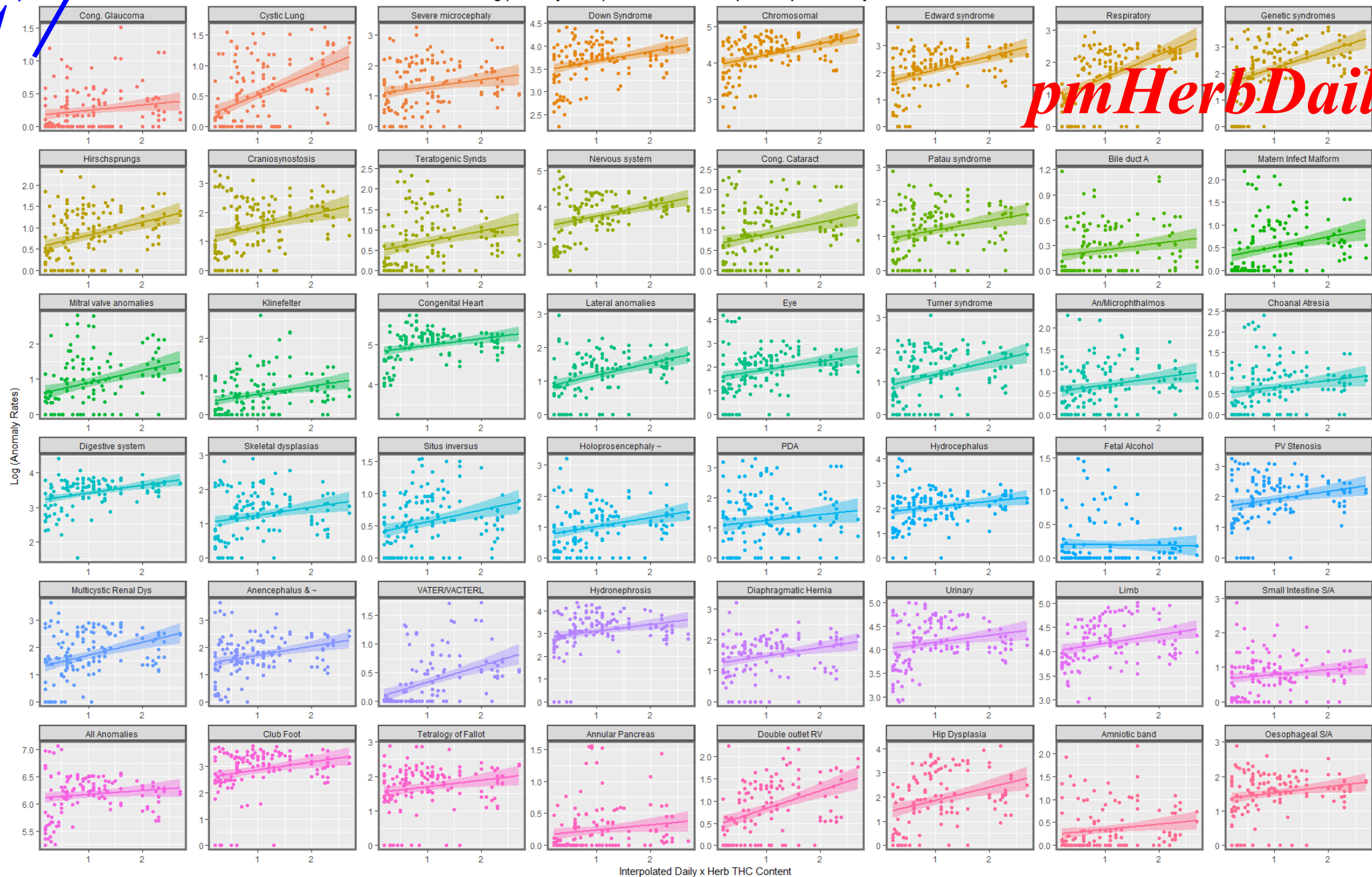
Herb





SF7

Log (Anomaly Rates) Bivariate Relationship to Interpolated Daily Herb THC

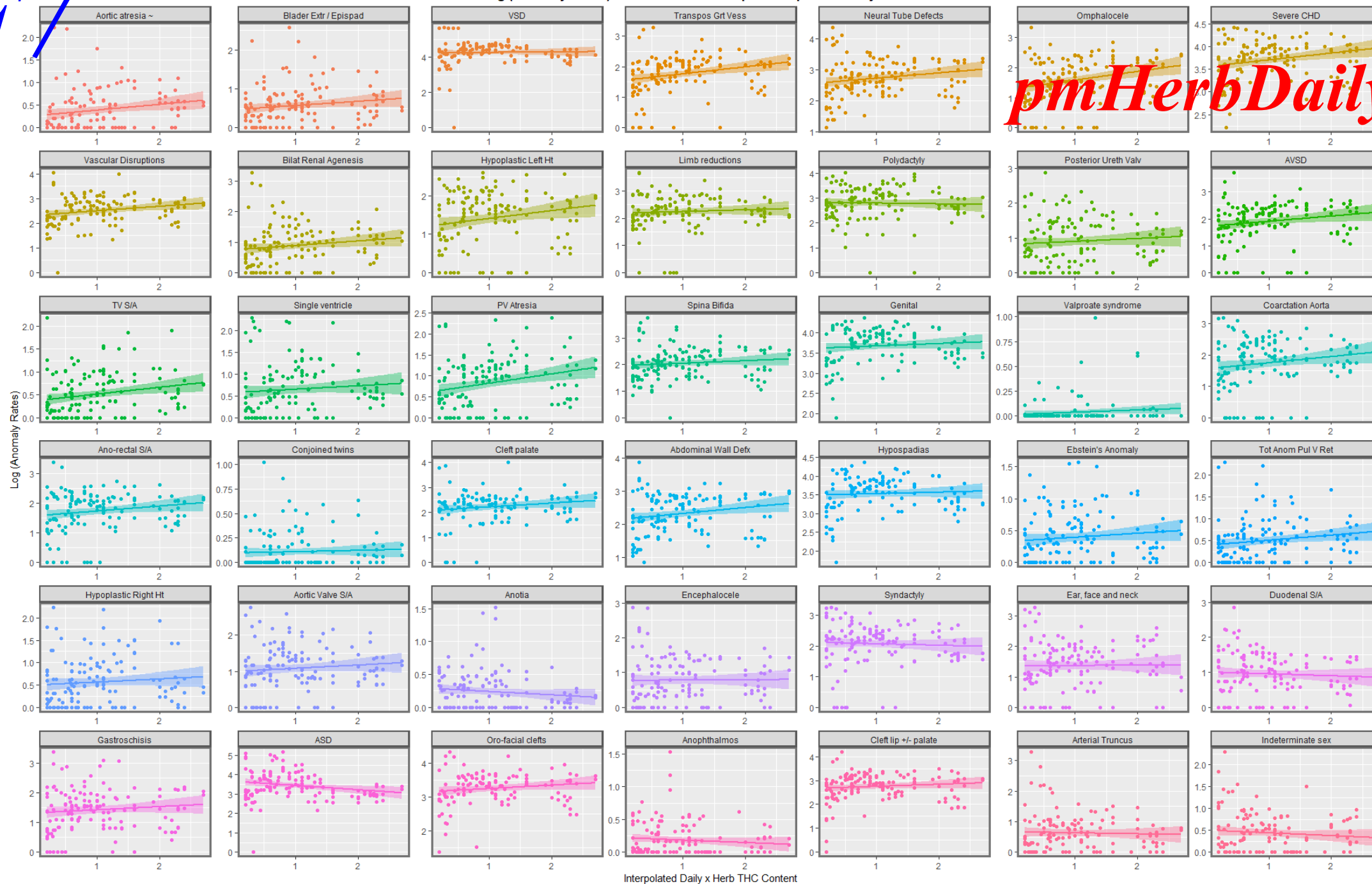


pmHerbDailyInt

SF7

Log (Anomaly Rates) Bivariate Relationship to Interpolated Daily Herb THC

pmHerbDailyInt

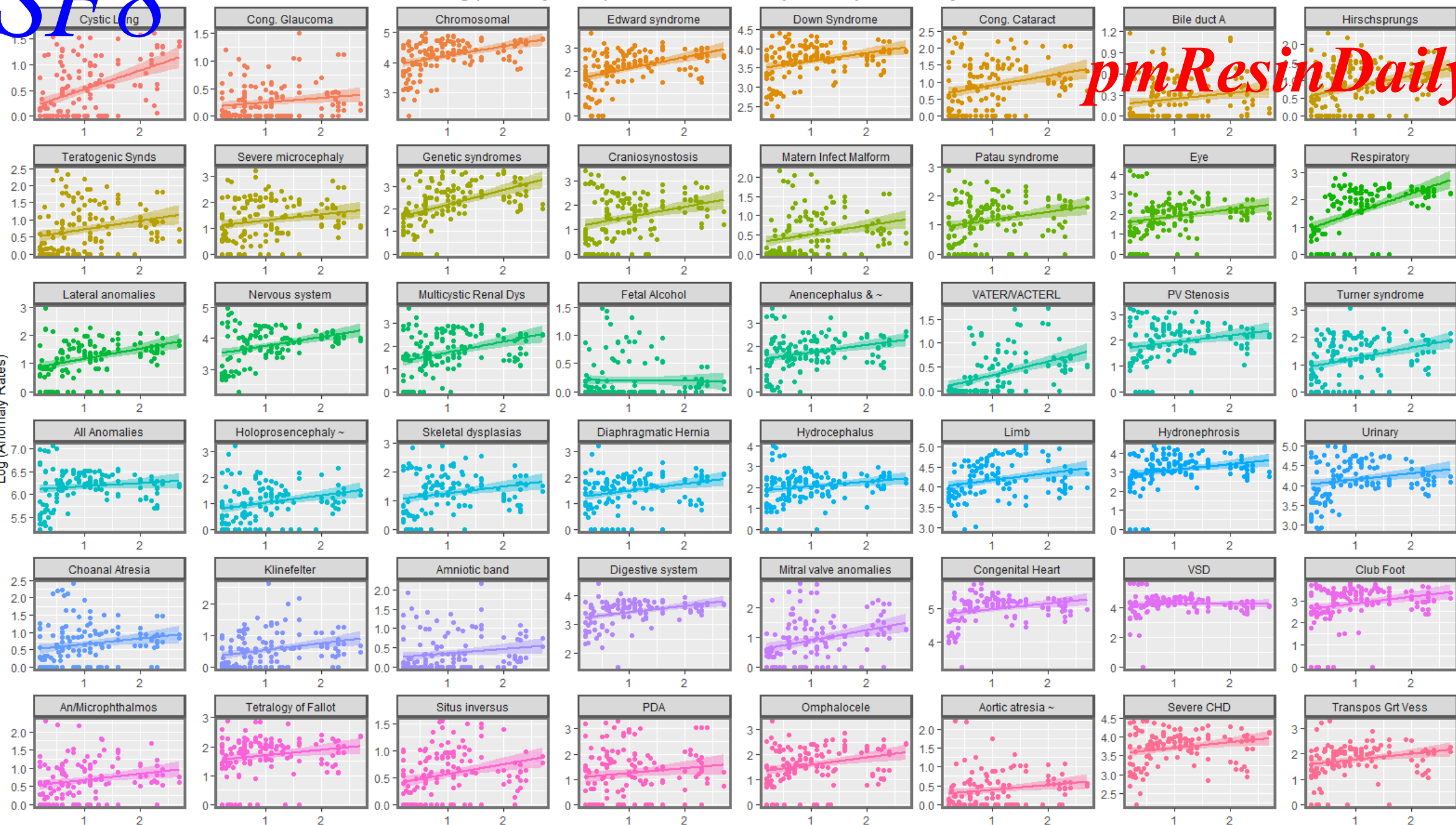


SF8

Log (Anomaly Rates) Bivariate Relationship to Interpolated Daily Resin THC

pmResinDailyInt

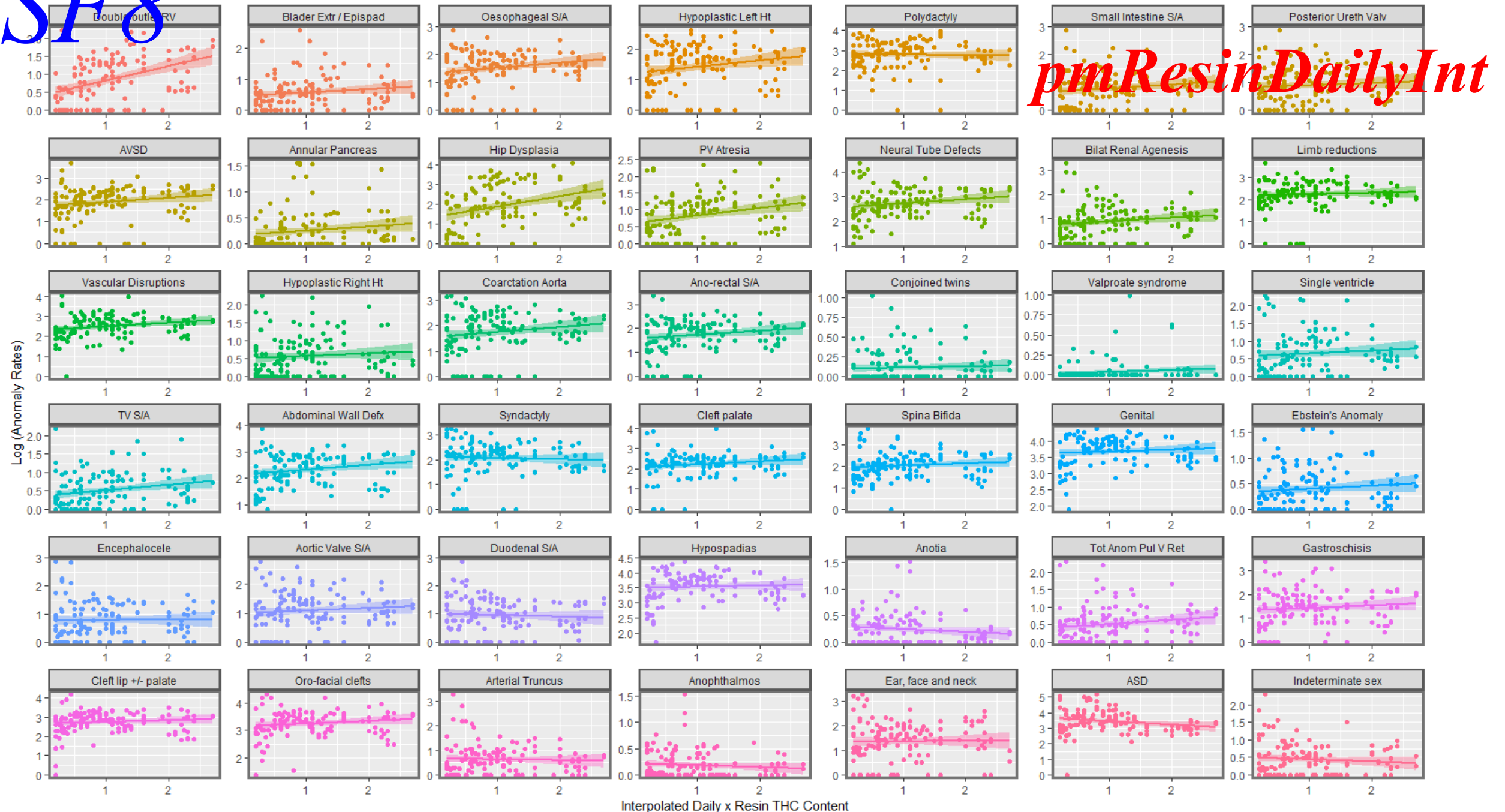
Log (Anomaly Rates)



Interpolated Daily x Resin THC Content

SF8

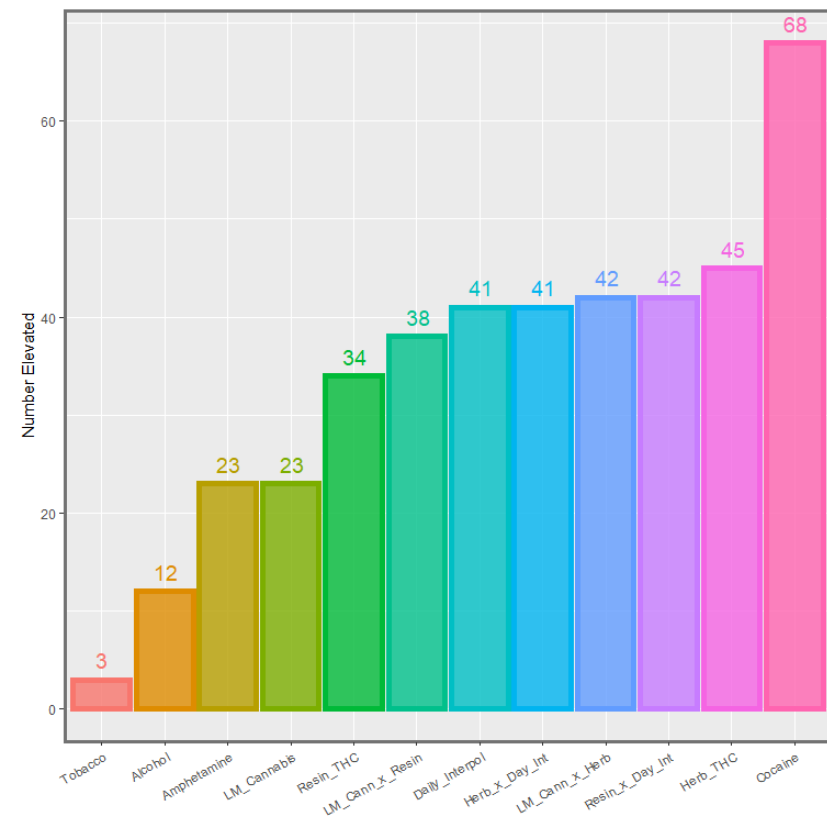
Log (Anomaly Rates) Bivariate Relationship to Interpolated Daily Resin THC



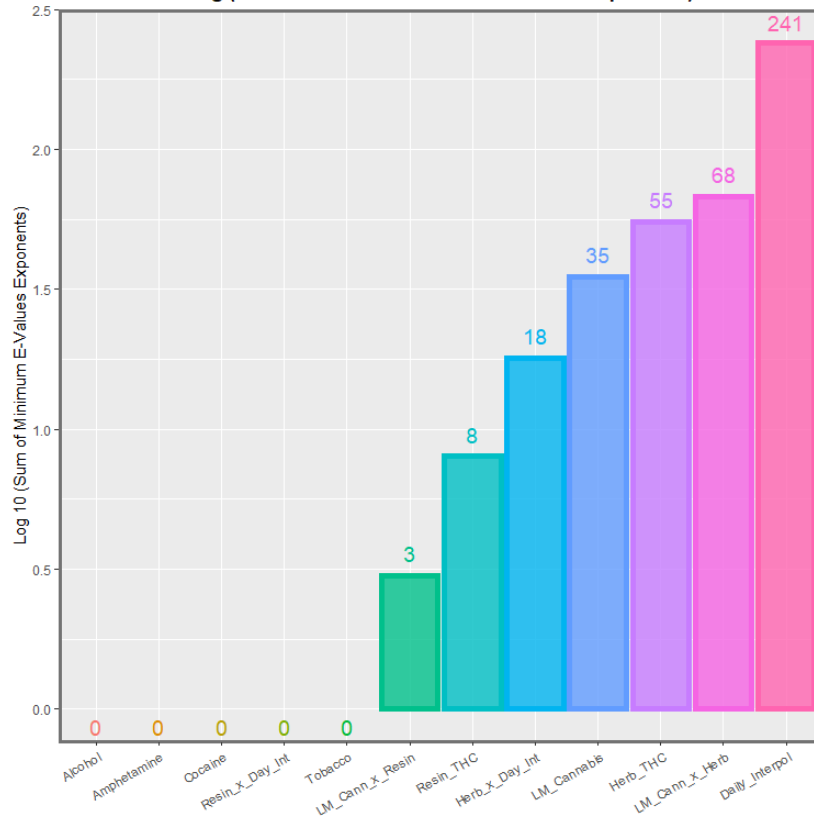
pmResinDailyInt

Summary P- & E- Values

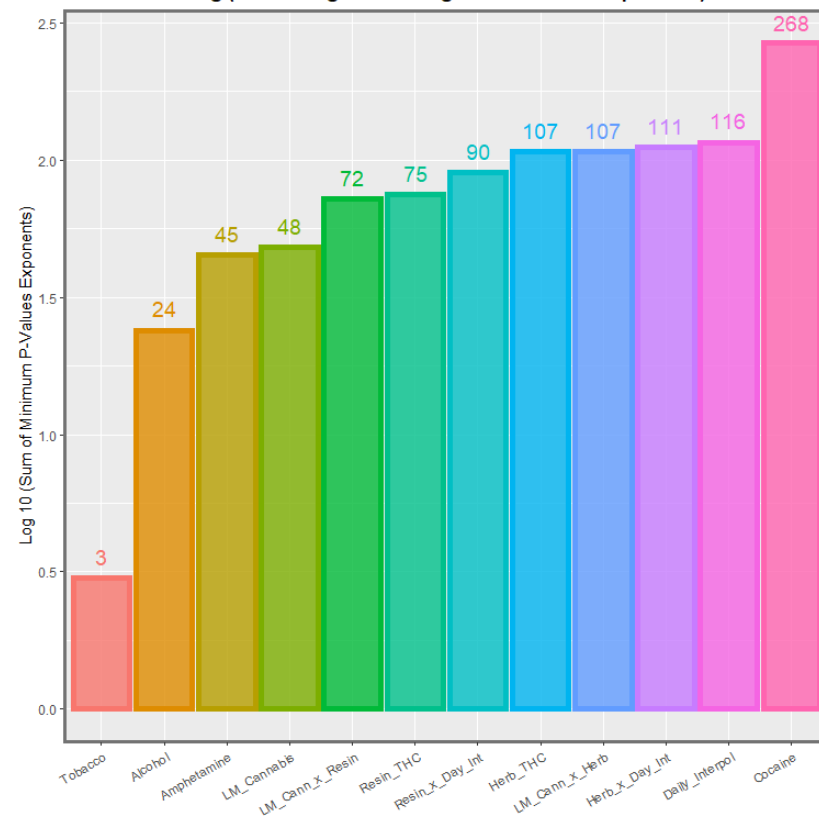
Number of Anomalies with Elevated Minimum E-Values



Log (Sum of Elevated Minimum E-Values Exponents)

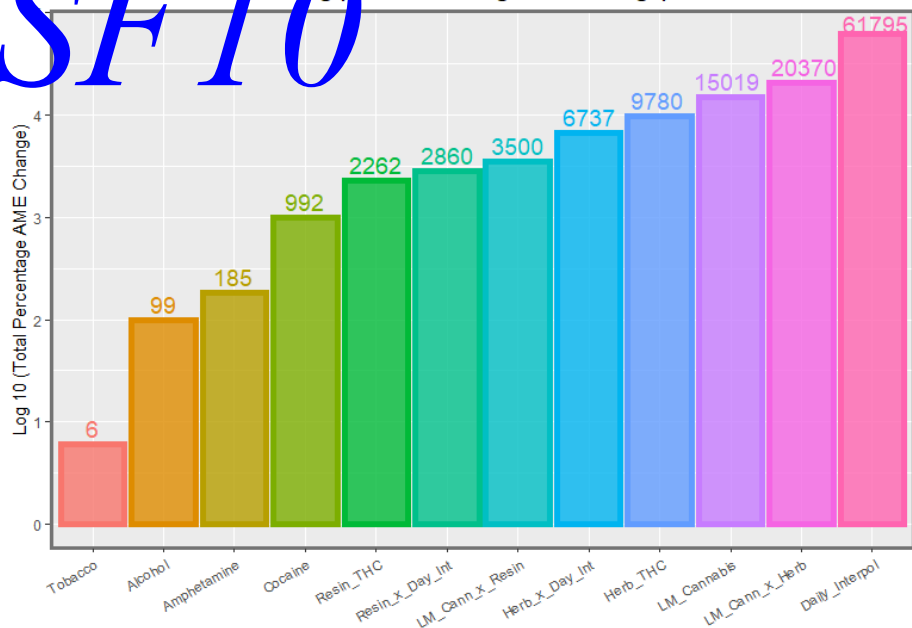


Log (Sum of Significant Negative P-Values Exponents)

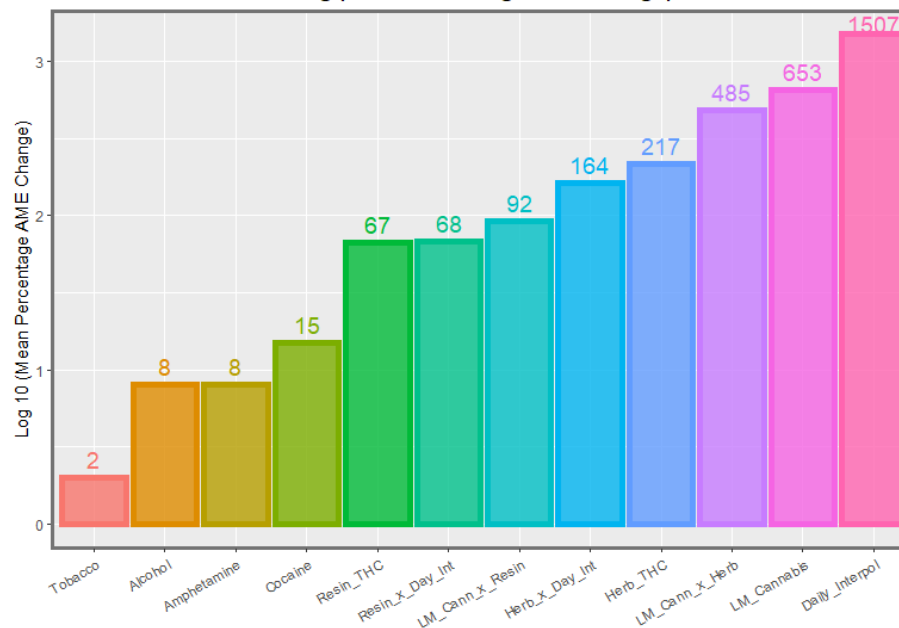


SF10

Log (Total Percentage AME Change)

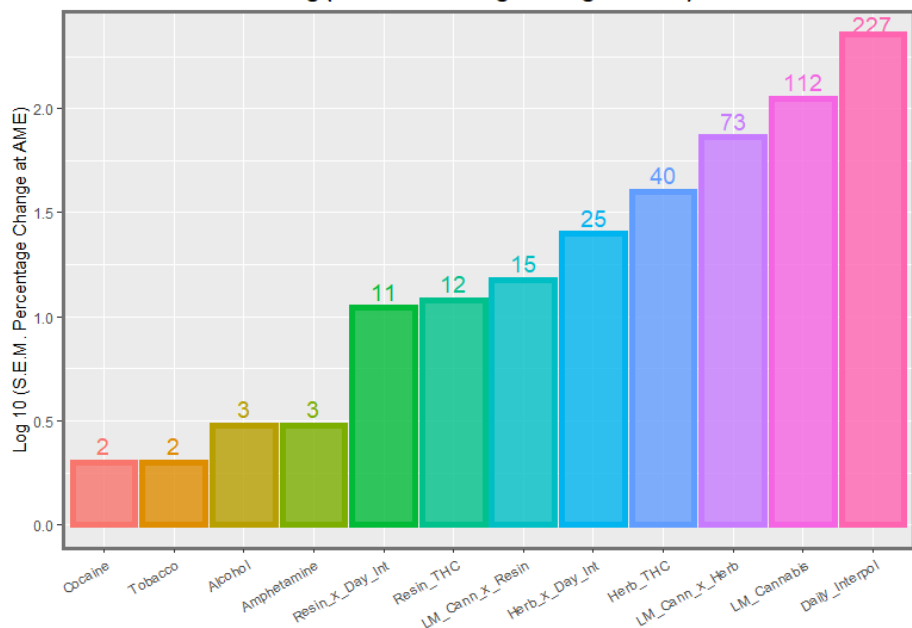


Log (Mean Percentage AME Change)

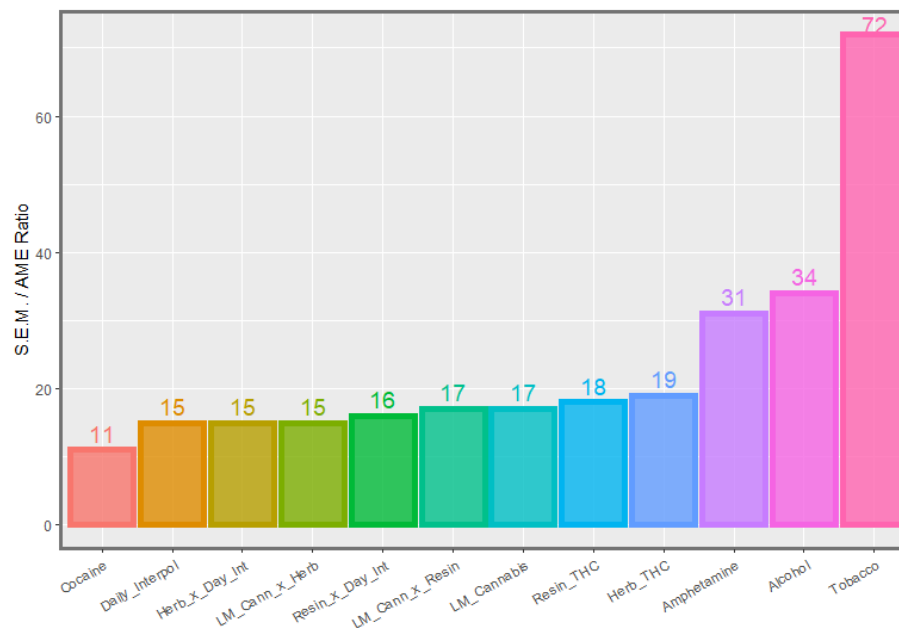


AME's

Log (S.E.M. Percentage Change at AME)



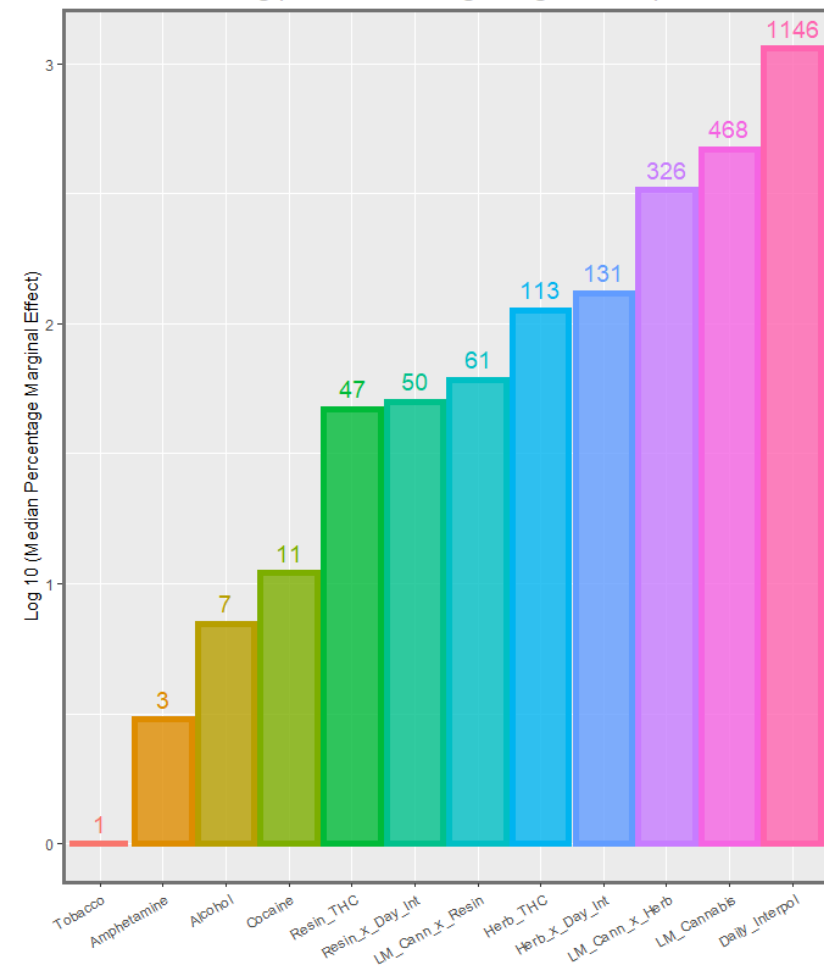
S.E.M. / AME Ratio



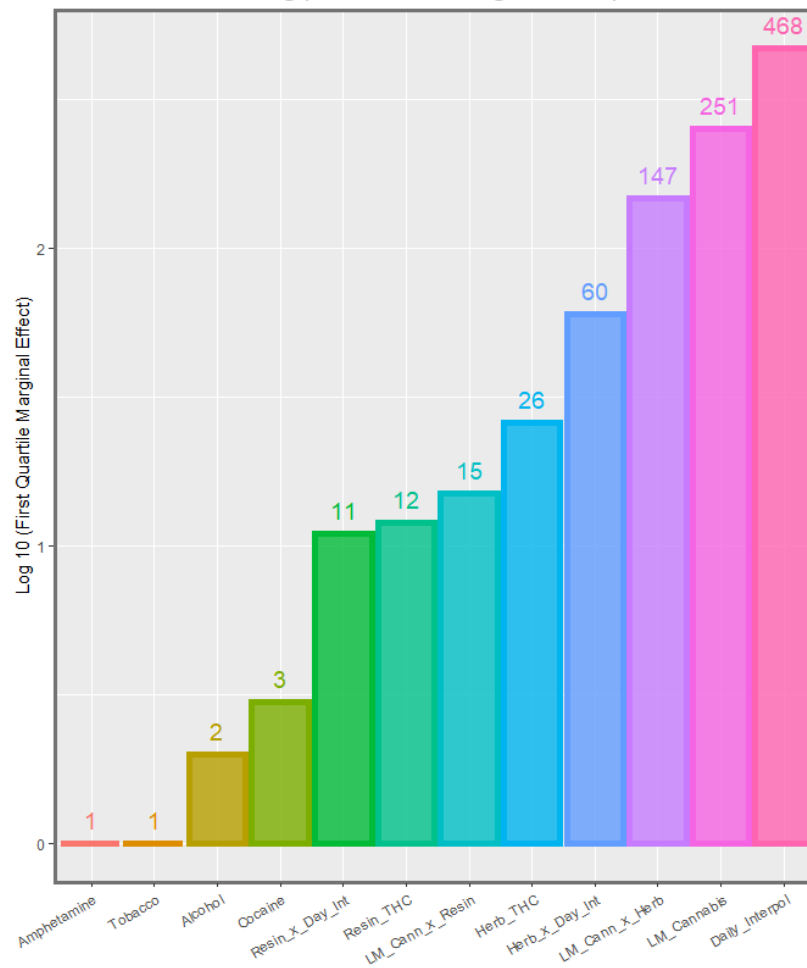
SF11

Median and Quartile AME's

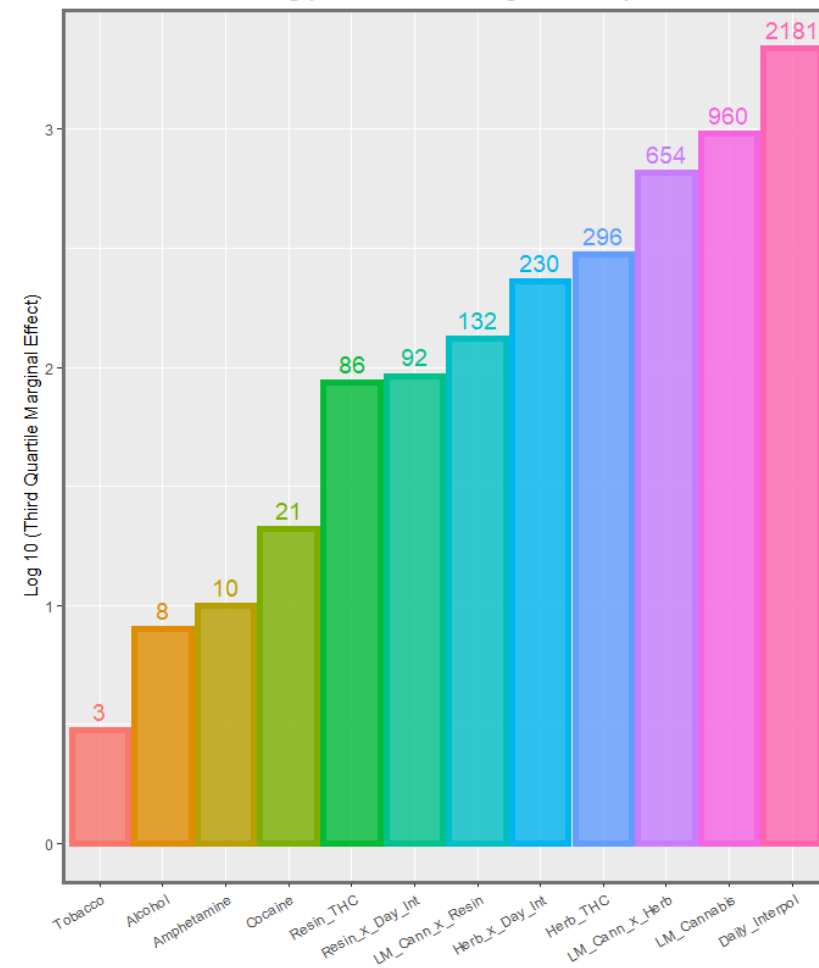
Log (Median Percentage Marginal Effect)



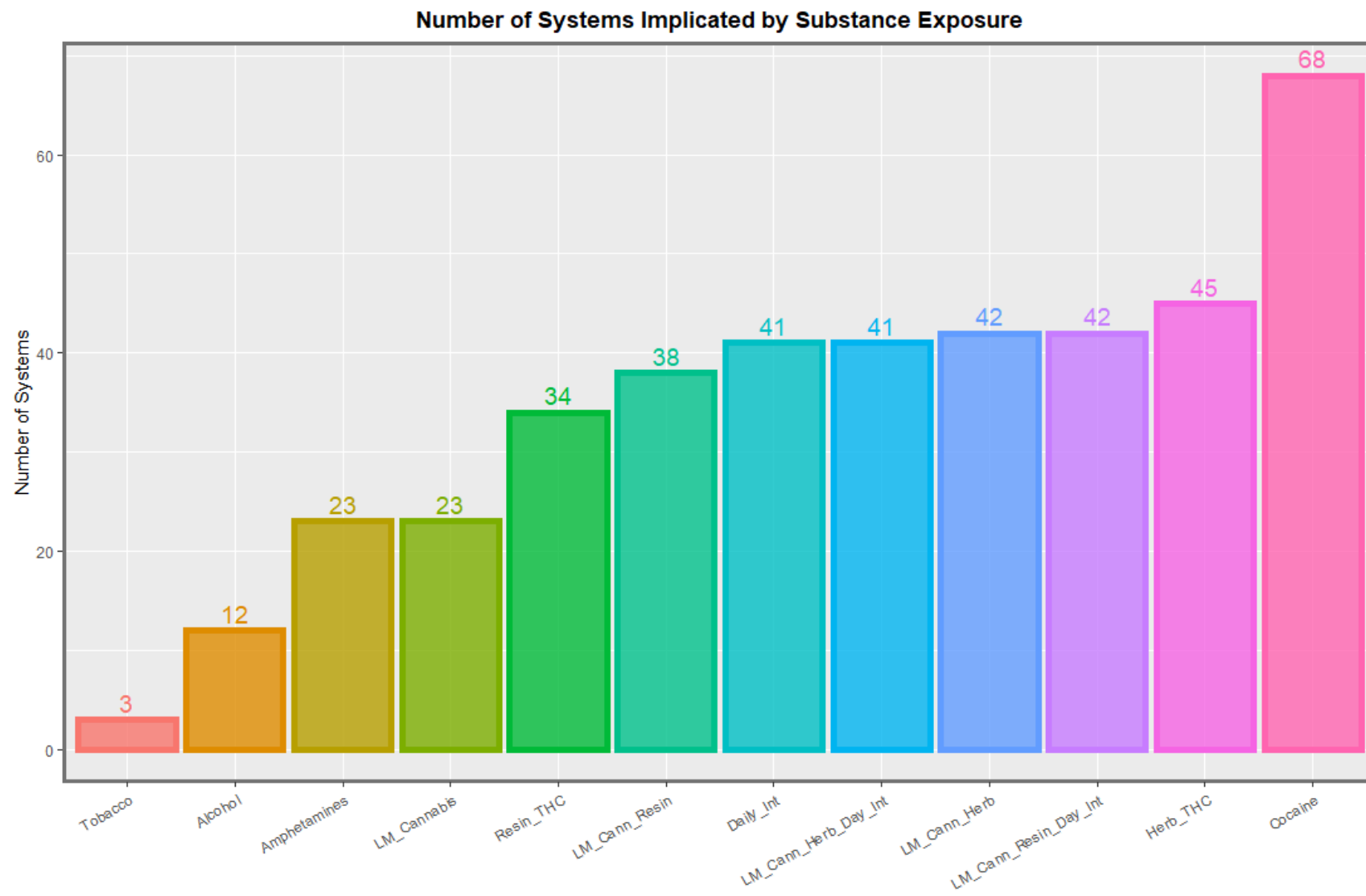
Log (First Quartile Marginal Effect)



Log (Third Quartile Marginal Effect)



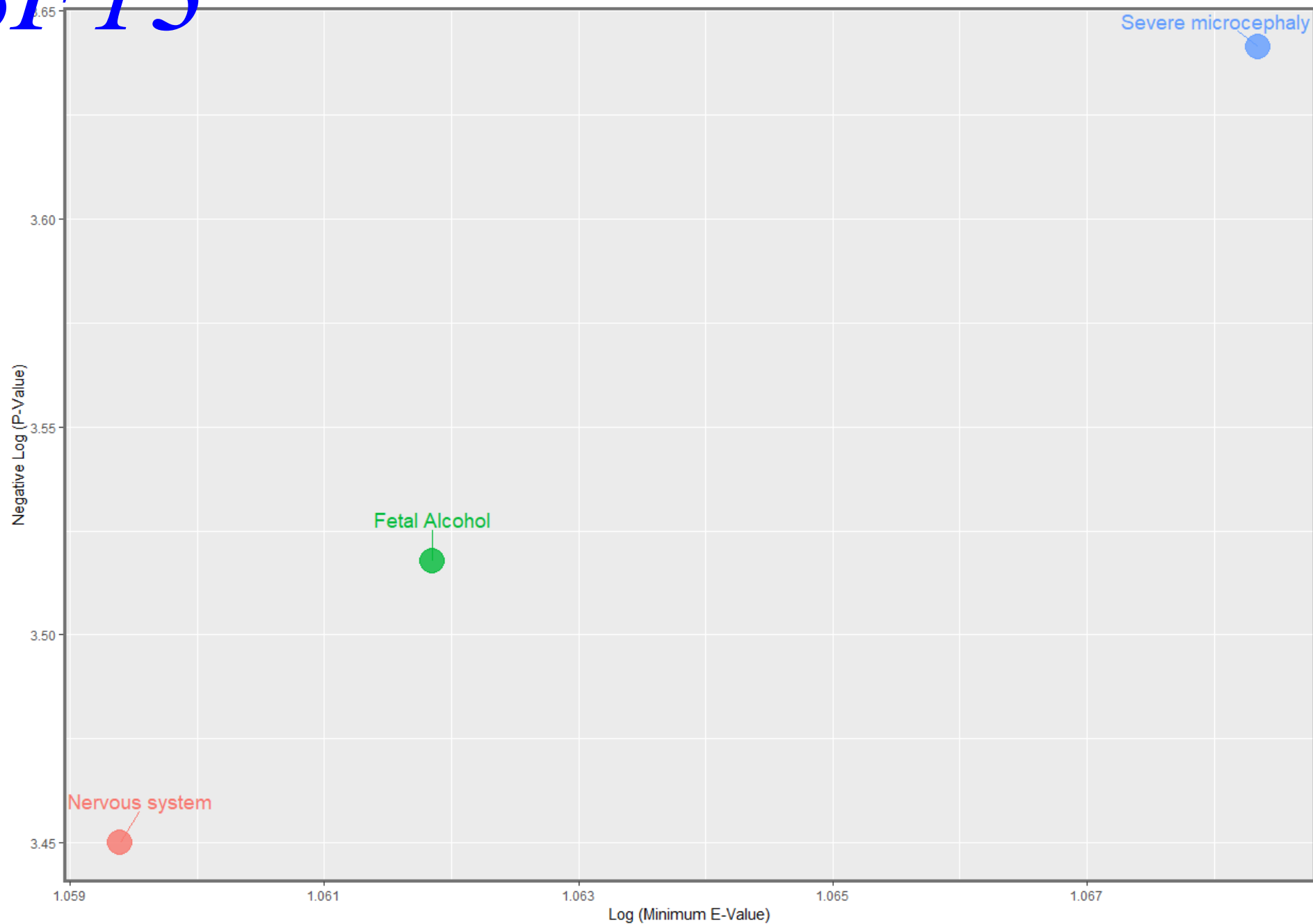
SF12



SF13

Volcano Plot for Tobacco Exposure:
Negative Log (P-Value) by Log (Minimum E-Value)

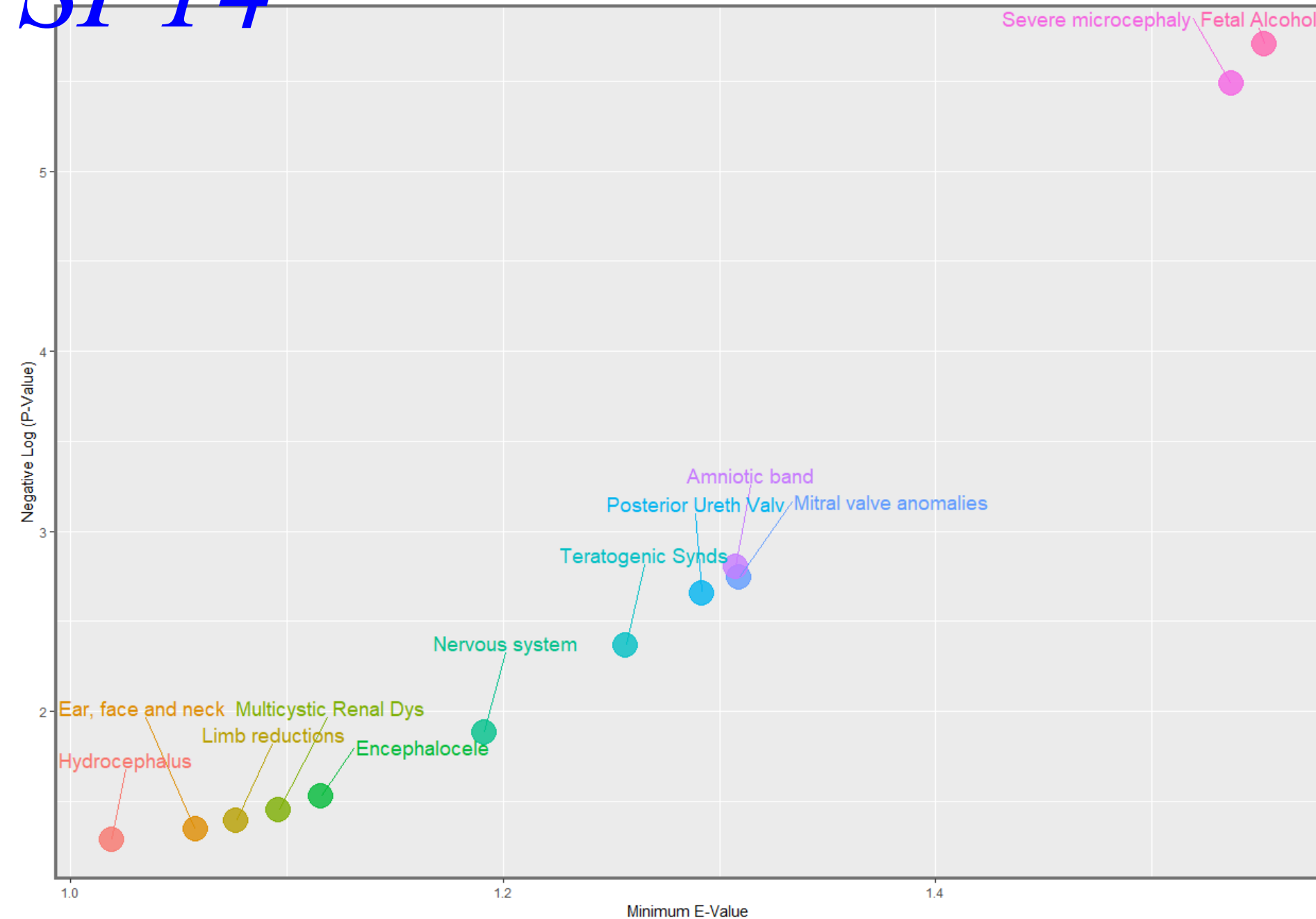
Tob



SF14

Volcano Plot for Alcohol Exposure:
Negative Log (P-Value) by Log (Minimum E-Value)

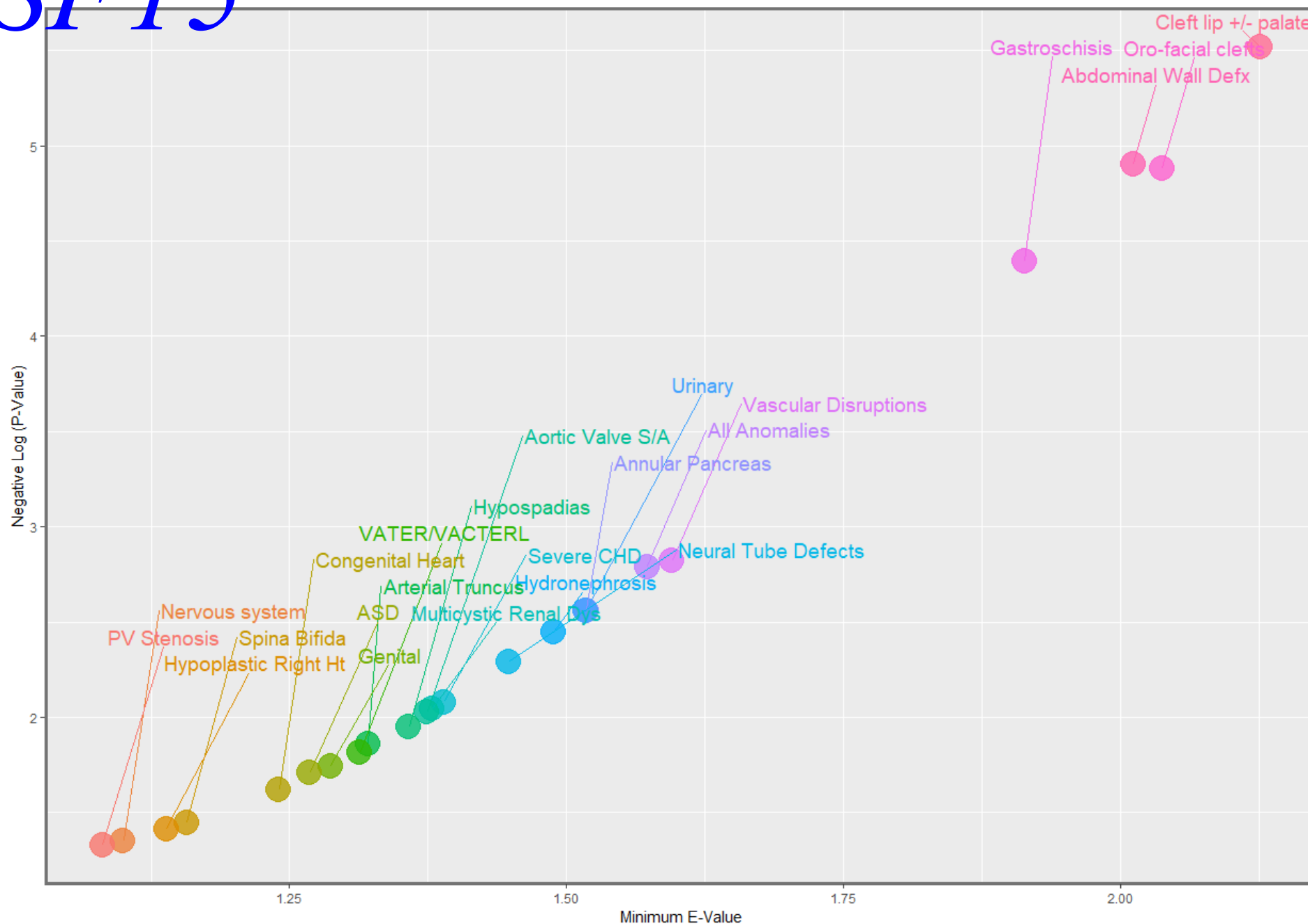
Alc



SF15

Volcano Plot for Amphetamine Exposure:
Negative Log (P-Value) by Log (Minimum E-Value)

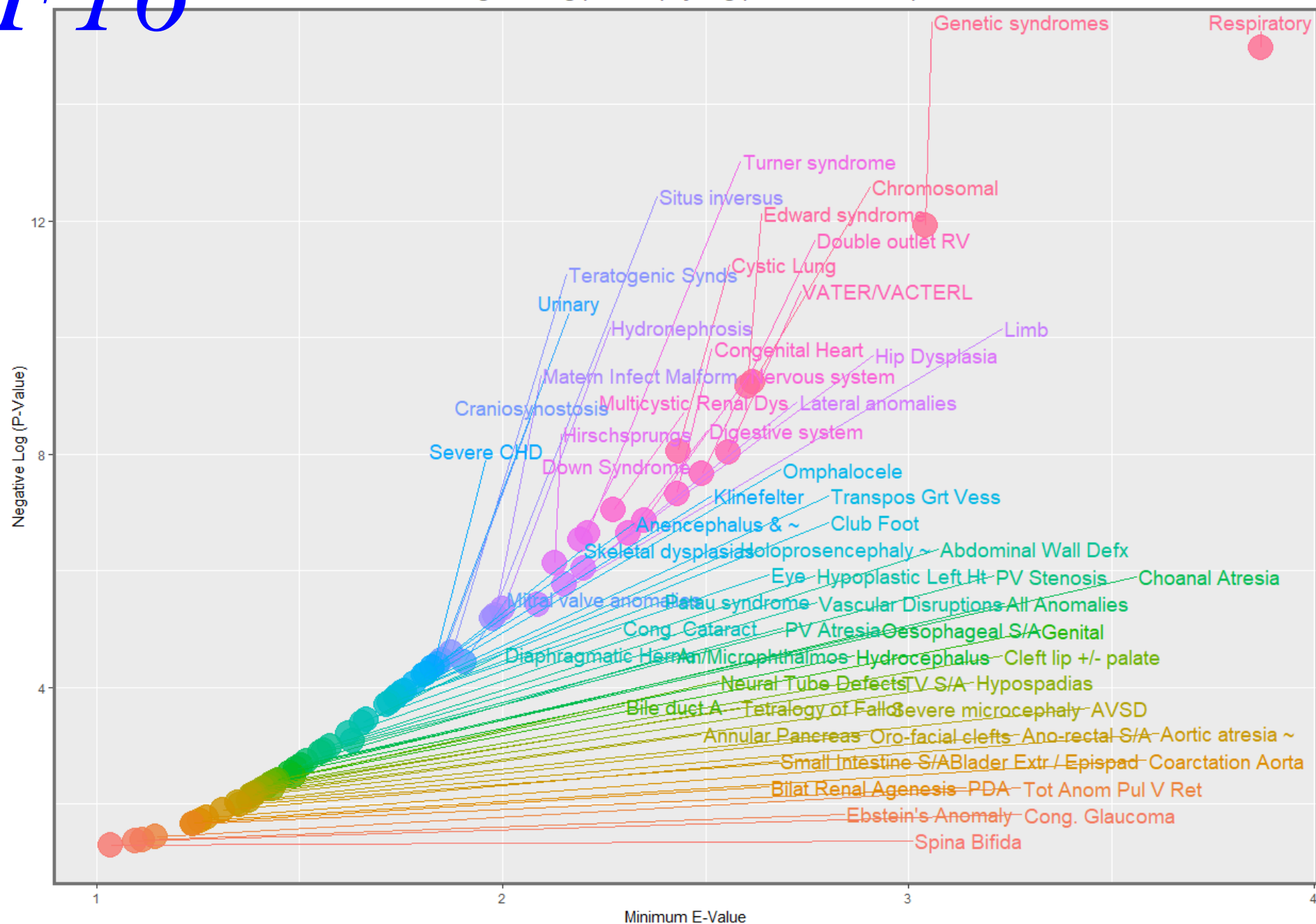
Amph



SF16

Volcano Plot for Cocaine Exposure:
Negative Log (P-Value) by Log (Minimum E-Value)

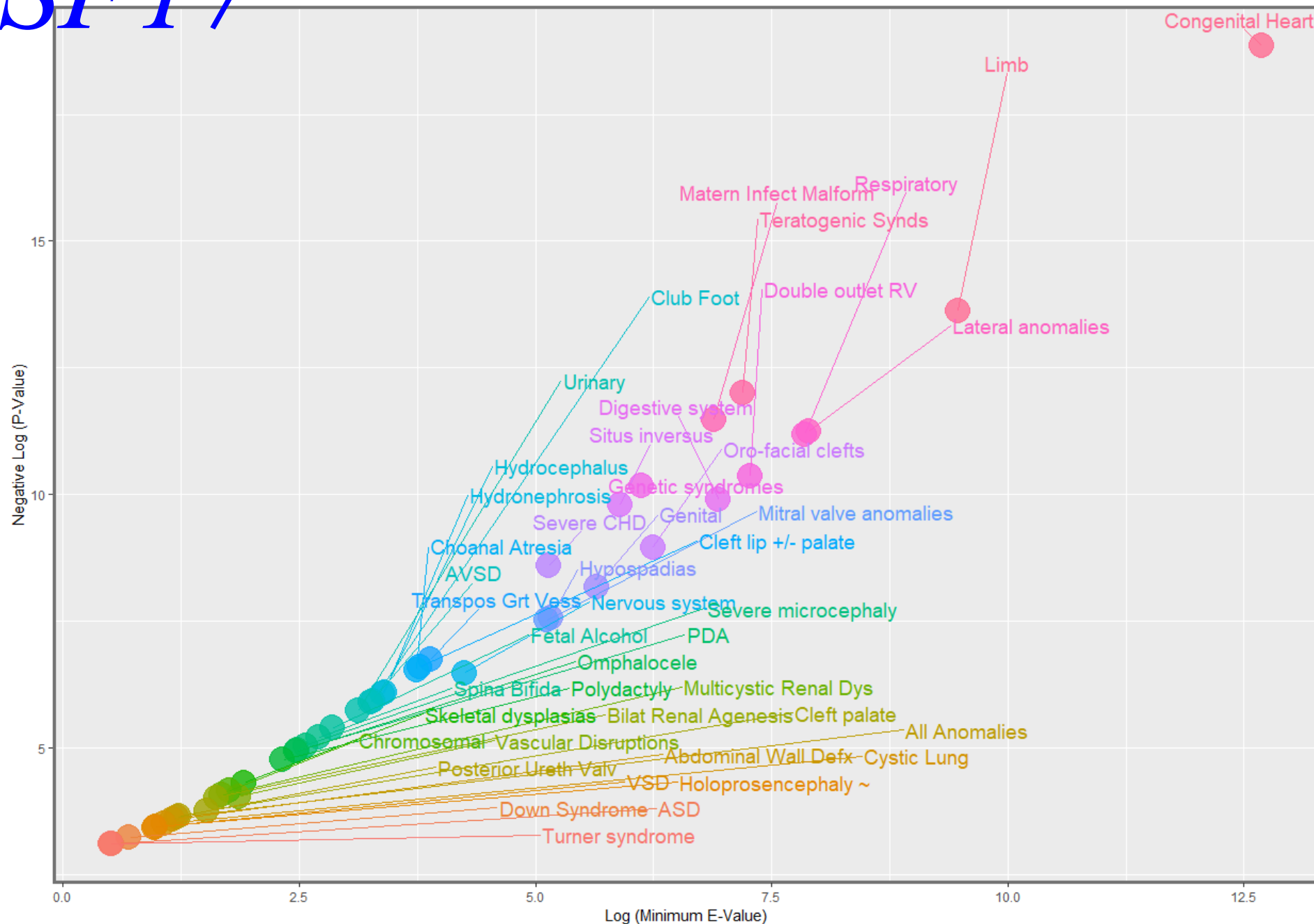
Cocc



SF17

Volcano Plot for Cannabis Herb THC Content:
Negative Log (P-Value) by Log (Minimum E-Value)

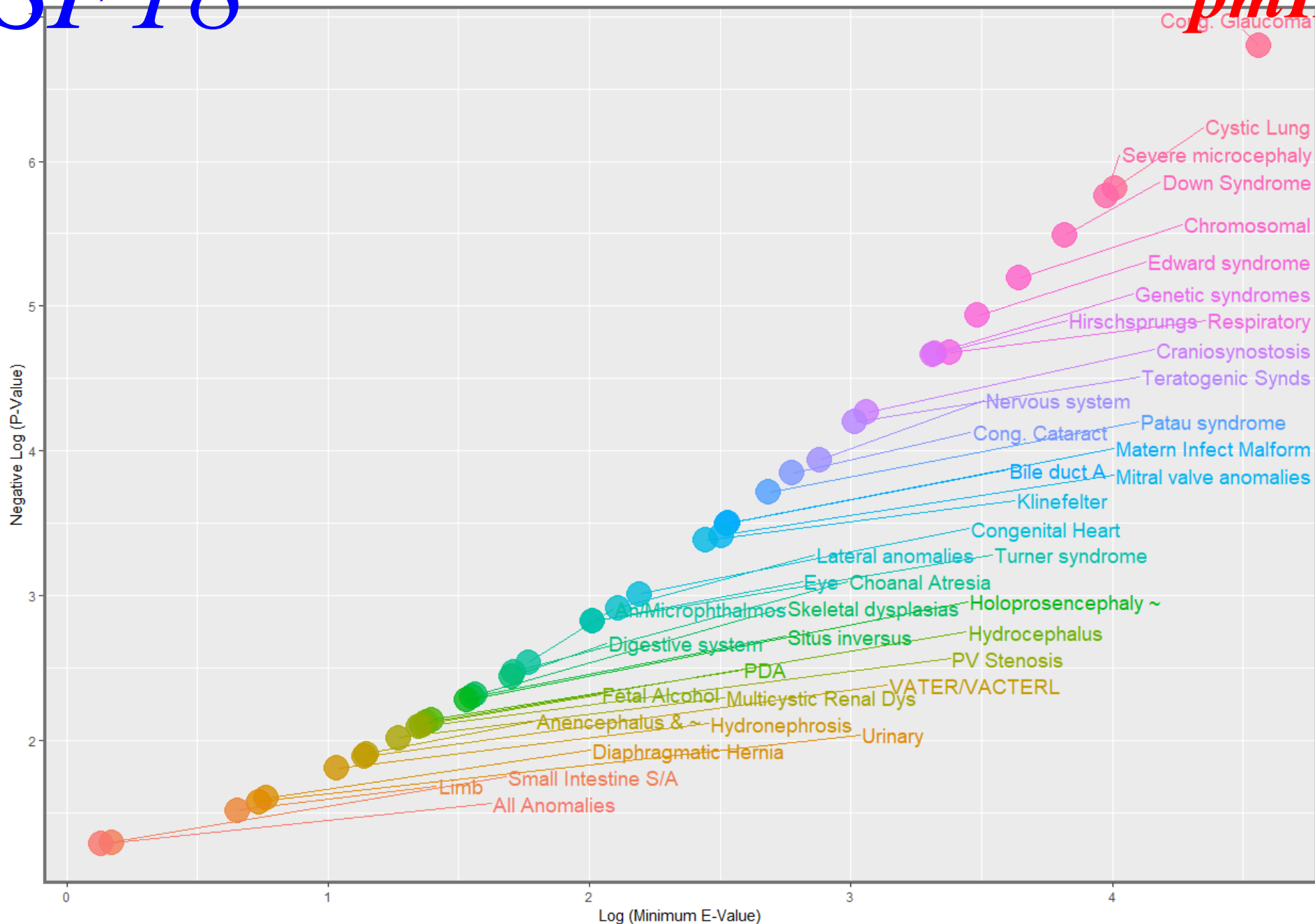
Herb



SF18

Volcano Plot for Daily Cannabis Herb THC Content Interpolated:
Negative Log (P-Value) by Log (Minimum E-Value)

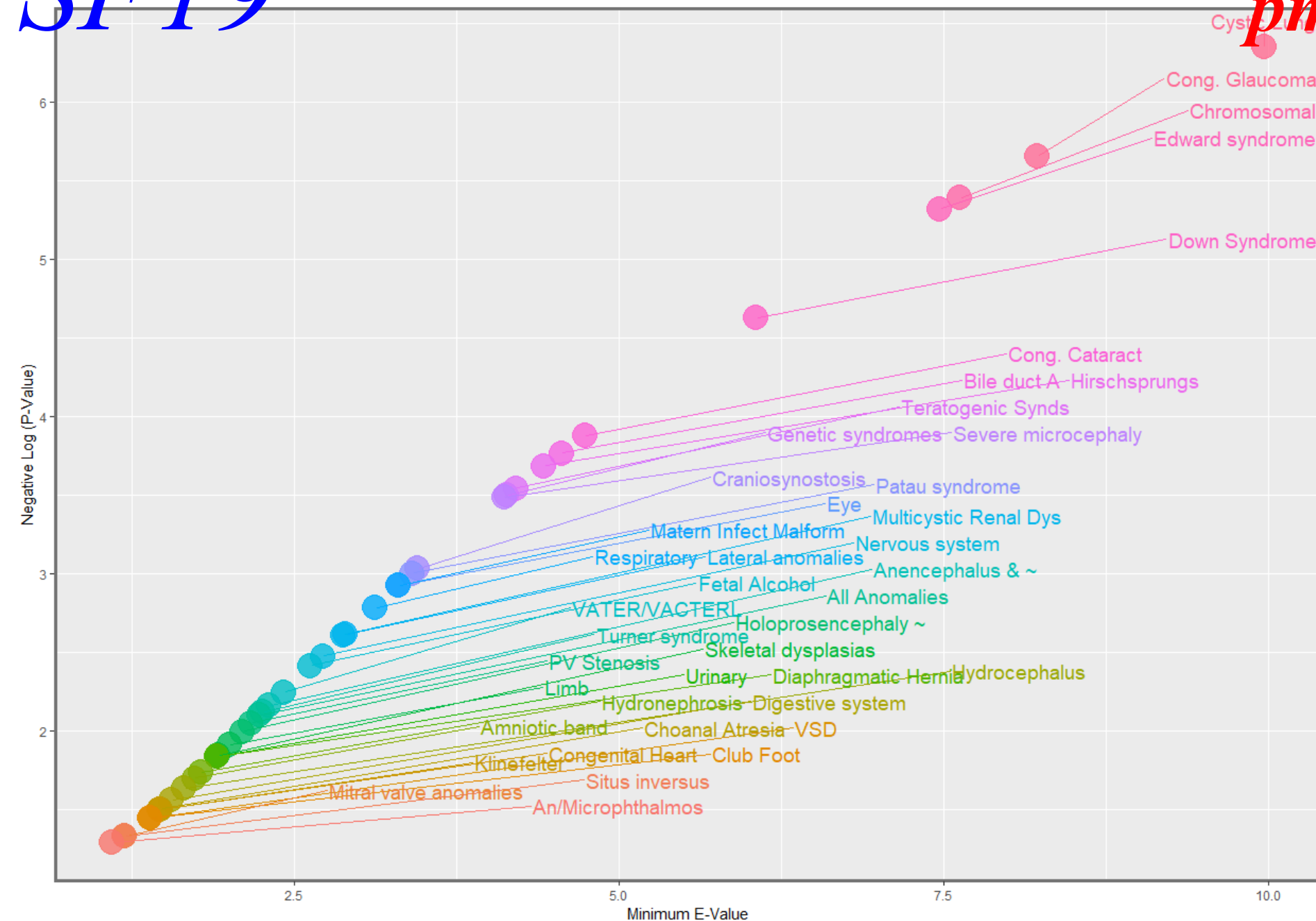
pmHerbIntDaily



SF19

Volcano Plot for Daily Cannabis Resin Interpolated:
Negative Log (P-Value) by Minimum E-Value

pmResinDayInt



SF20A

Tob

Log (Congenital Anomaly Rate) by Tobacco Exposure



SF20B

Log (Congenital Anomaly Rate) by Tobacco Exposure



SF21A

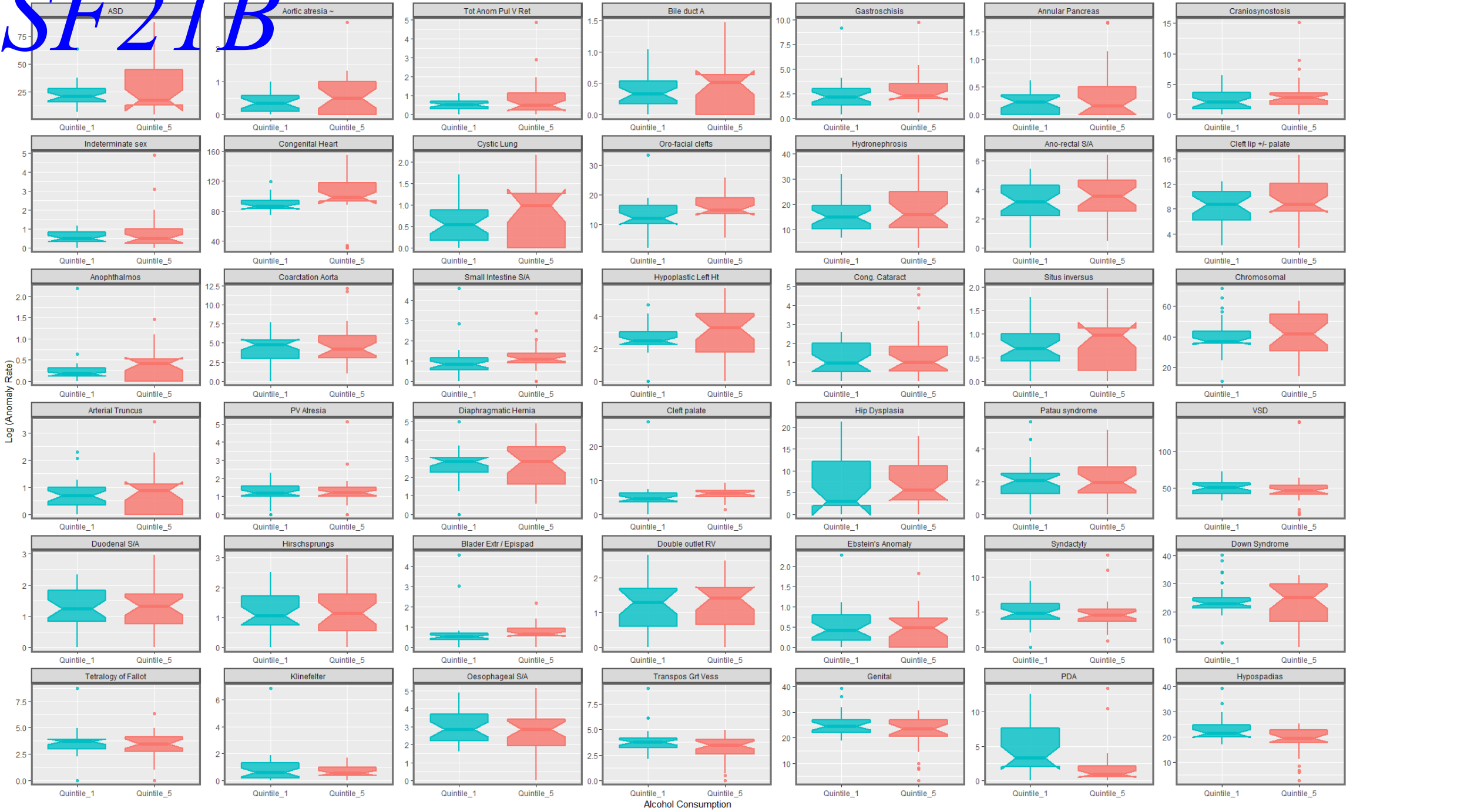
Alc

Log (Congenital Anomaly Rate) by Alcohol Exposure



SF21B

Log (Congenital Anomaly Rate) by Alcohol Exposure



SF22A

Amph

Log (Congenital Anomaly Rate) by Amphetamine Exposure



Amphetamine Consumption

SF22B

Log (Congenital Anomaly Rate) by Amphetamine Exposure



SF23A

Log (Congenital Anomaly Rate) by Cocaine Exposure

Cocc



Cocaine Consumption

SF23B

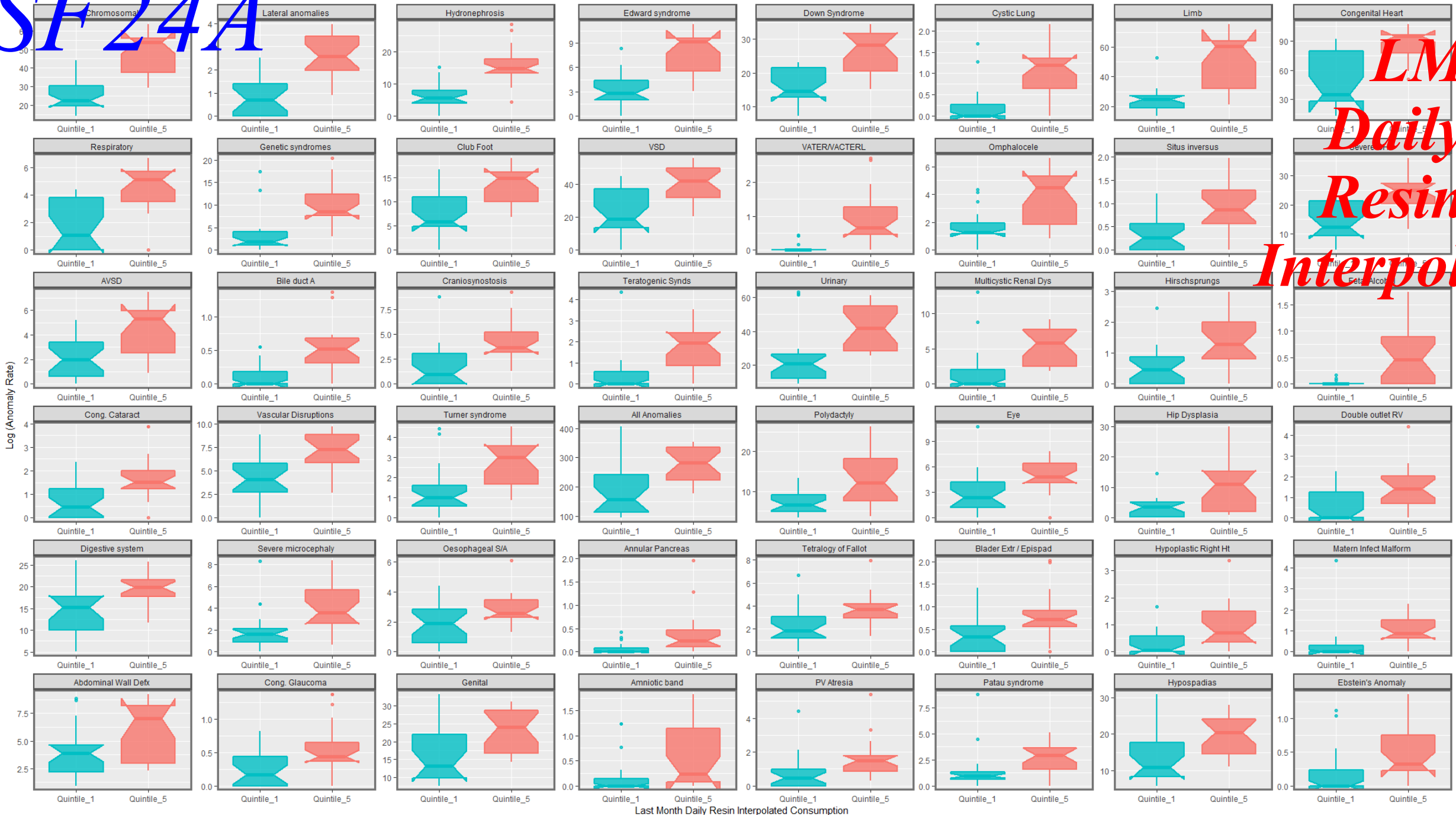
Log (Congenital Anomaly Rate) by Cocaine Exposure



SF24A

Log (Congenital Anomaly Rate) by Last Month Daily Resin Interpolated Exposure

LM
Daily
Resin
Interpol

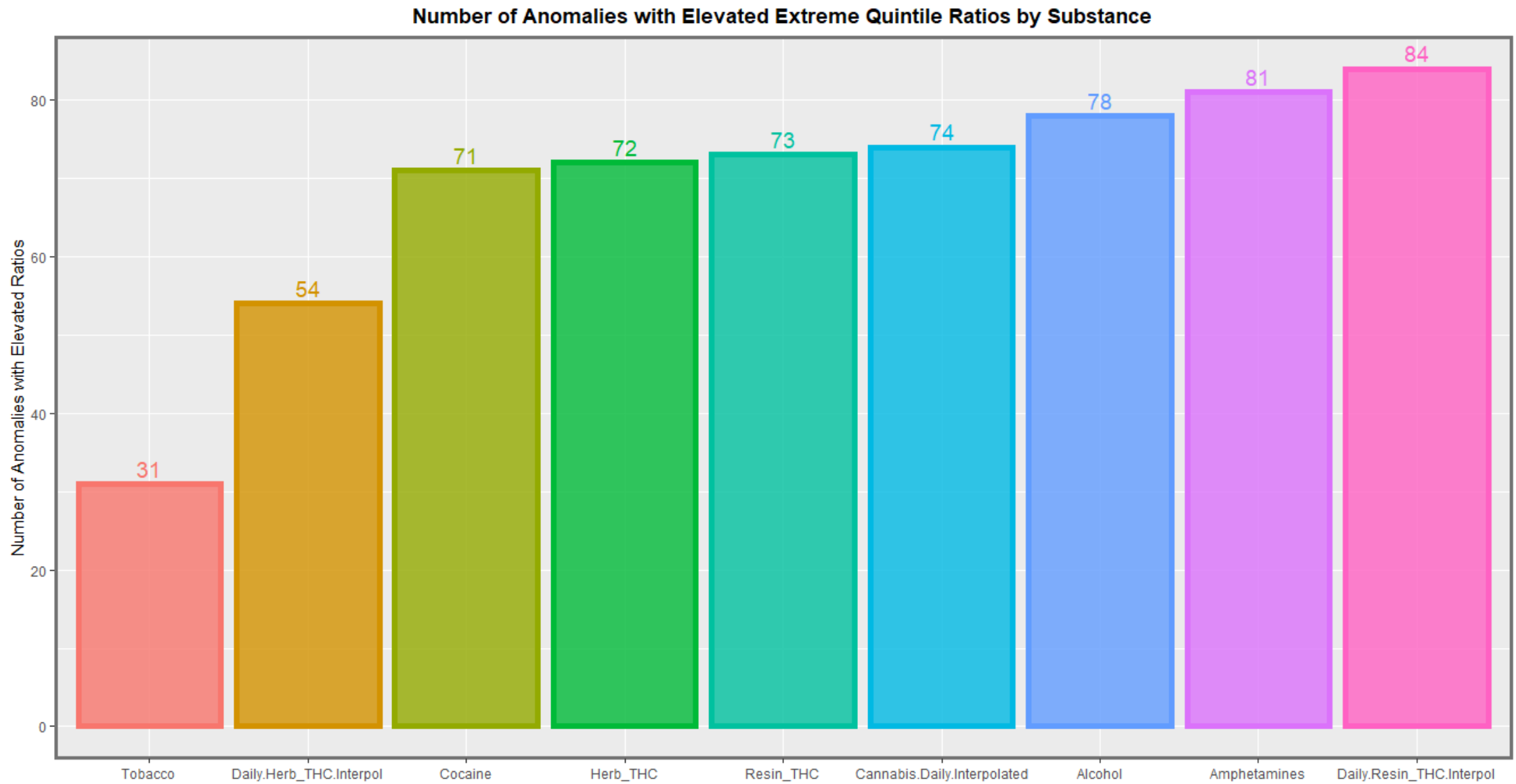


SF24B

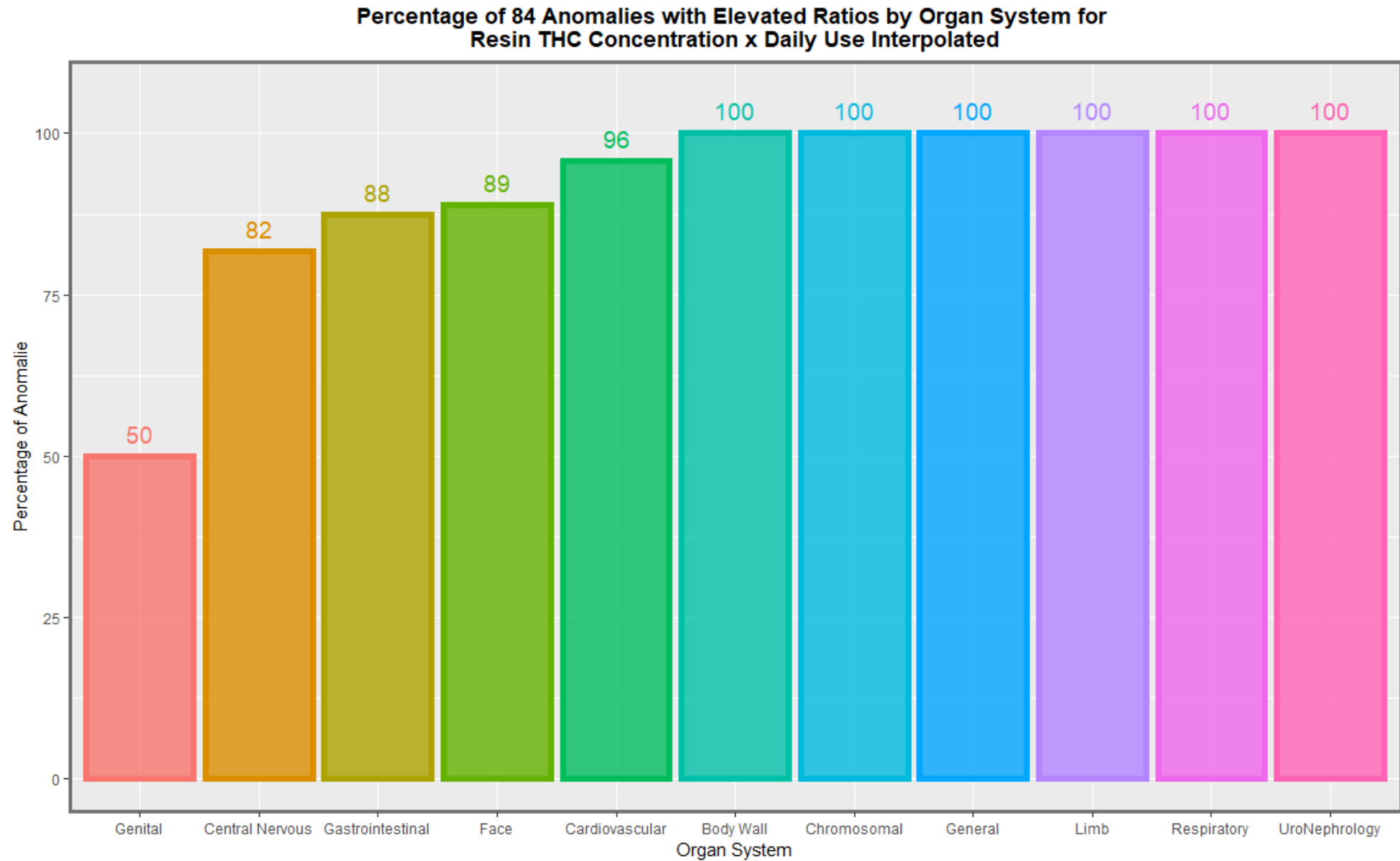
Log (Congenital Anomaly Rate) by Last Month Daily Resin Interpolated Exposure



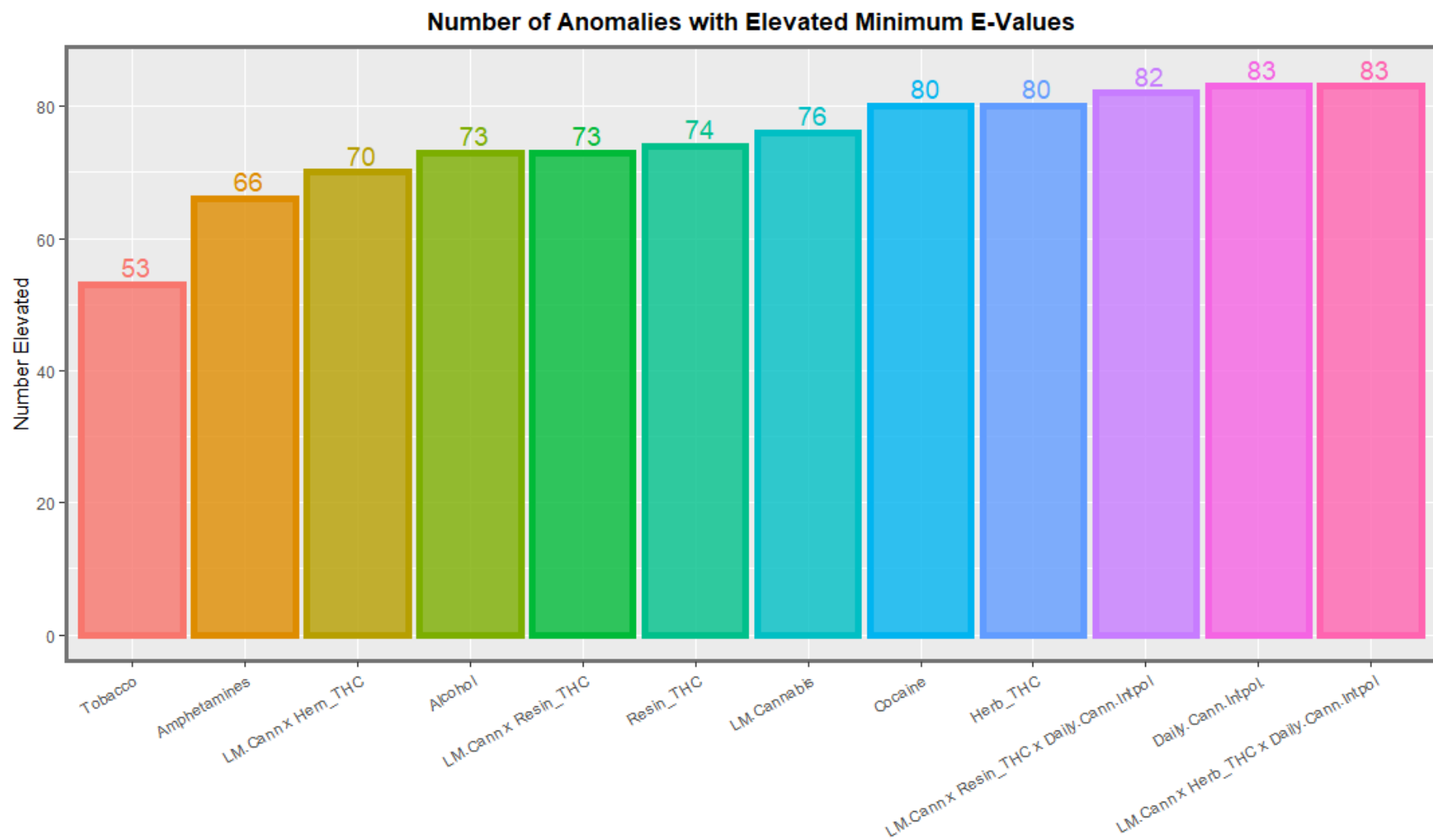
SF25



SF26



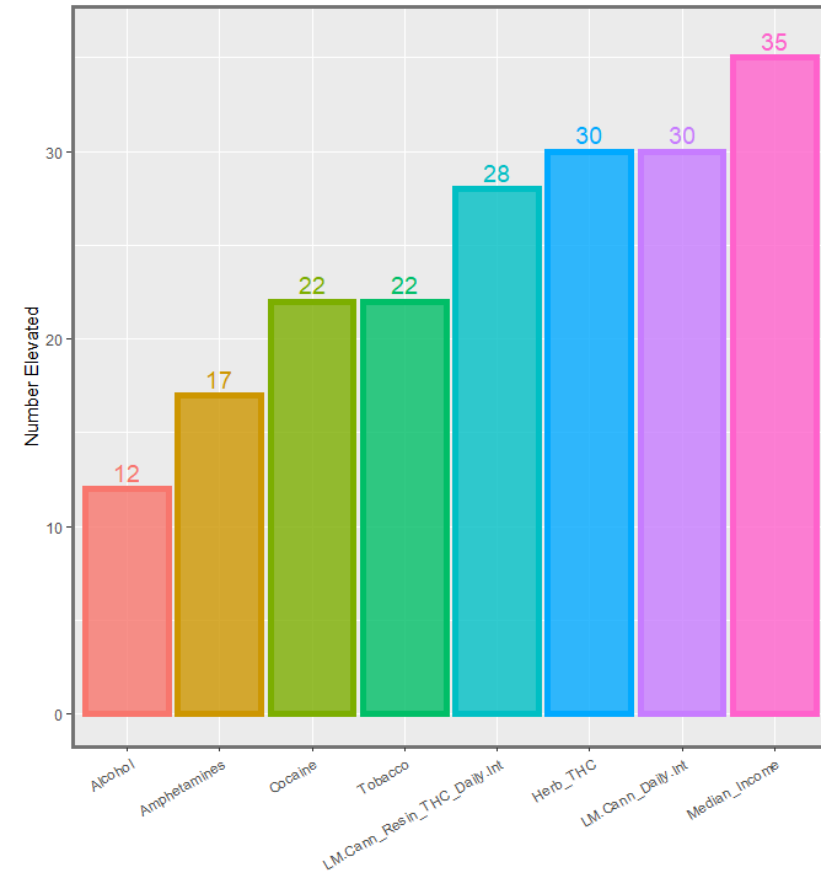
SF27



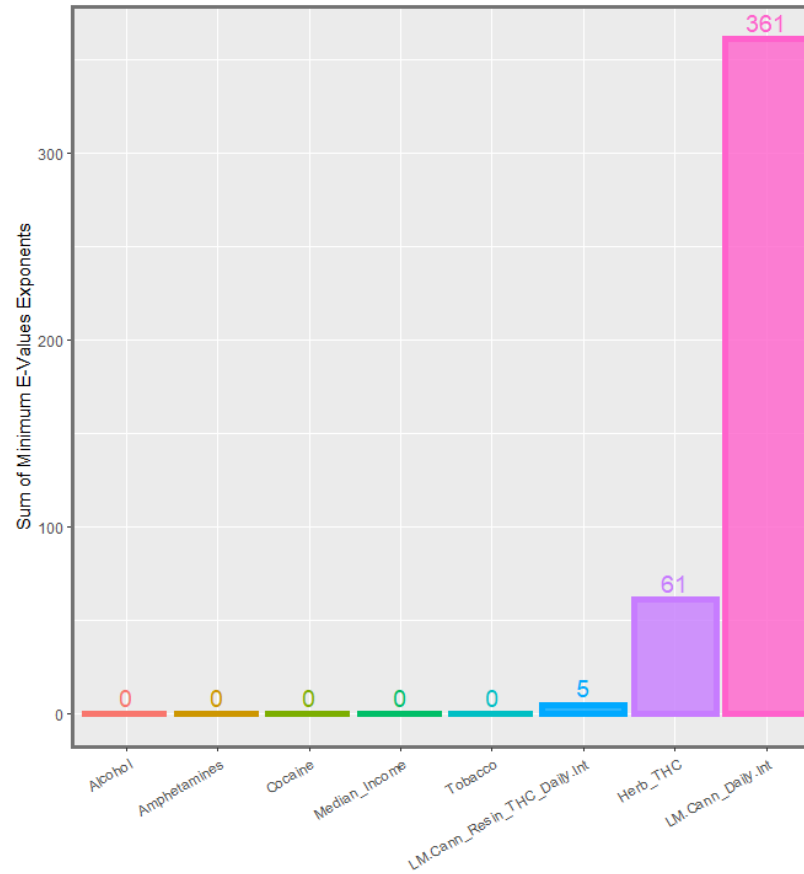
SF28

mEV's & P-Val's

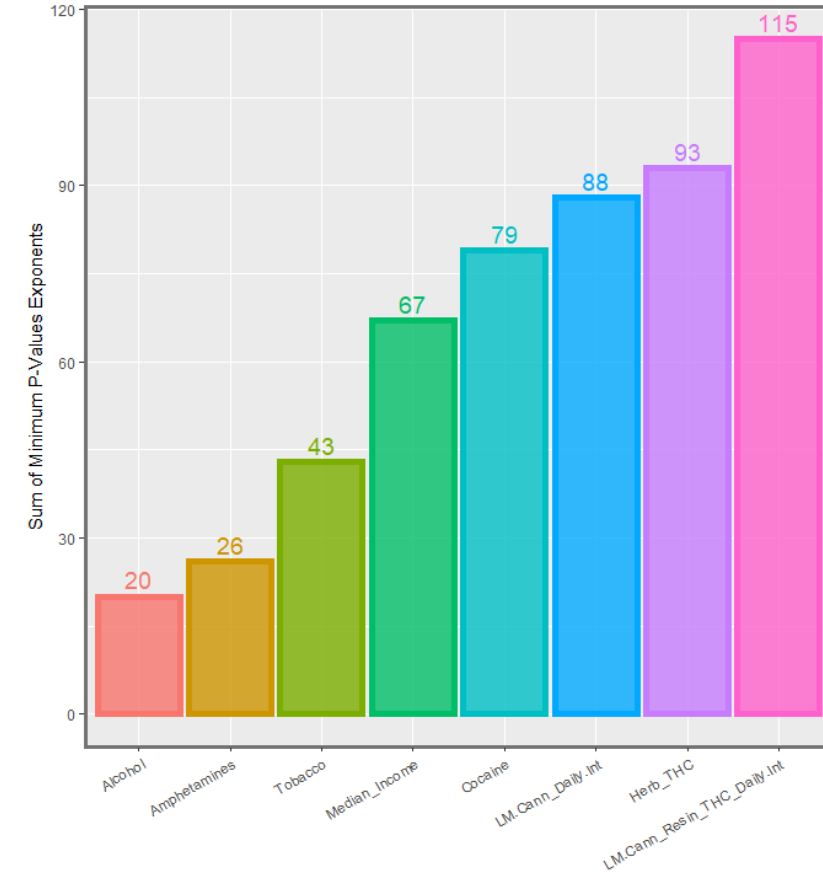
Number of Anomalies with Elevated Minimum E-Values



Sum of Elevated Minimum E-Values Exponents

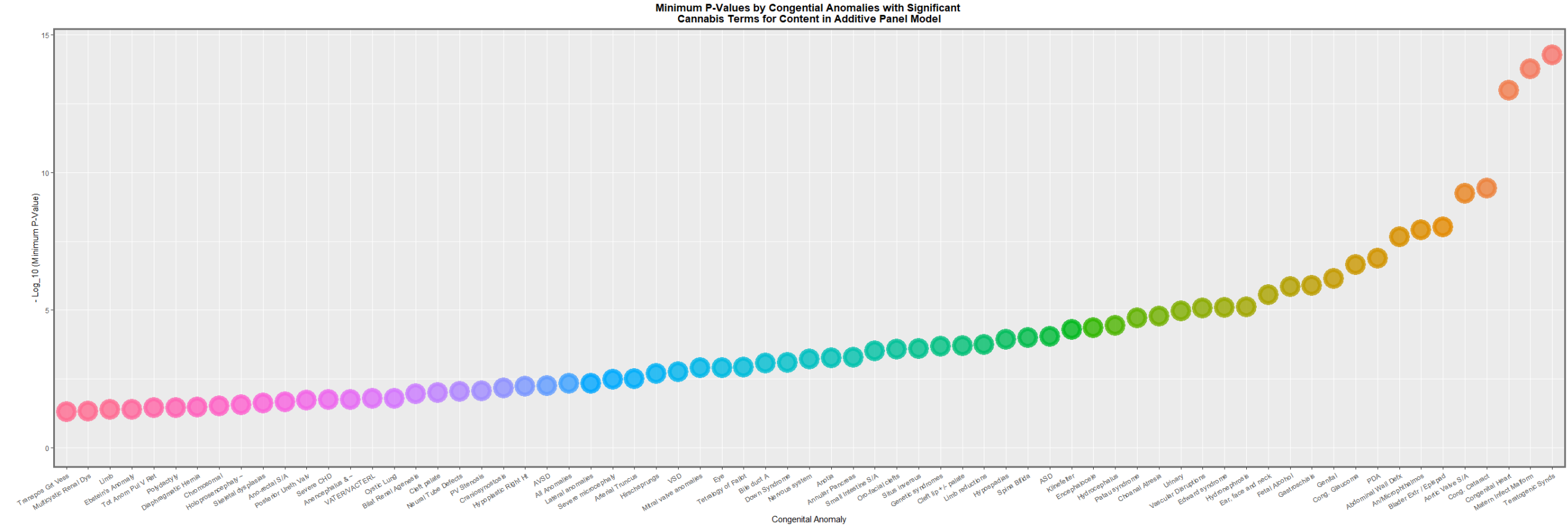


Sum of Significant Negative P-Values Exponents



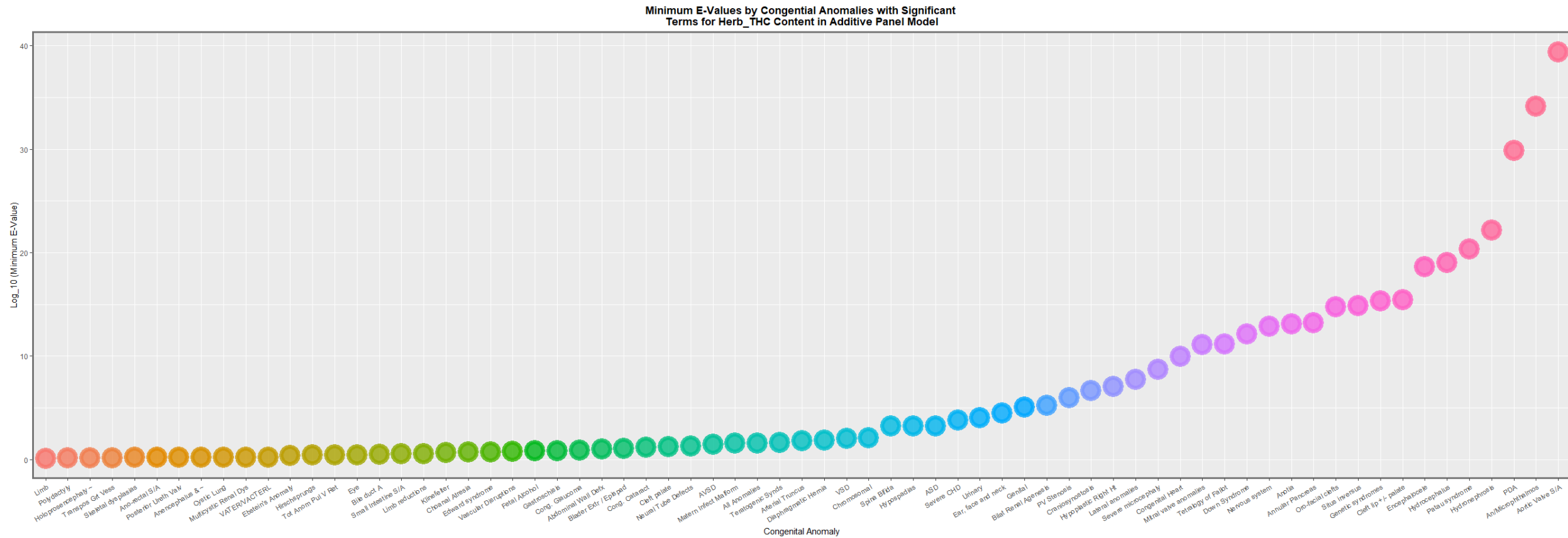
SF29

P-Values ~ Anomaly



SF30

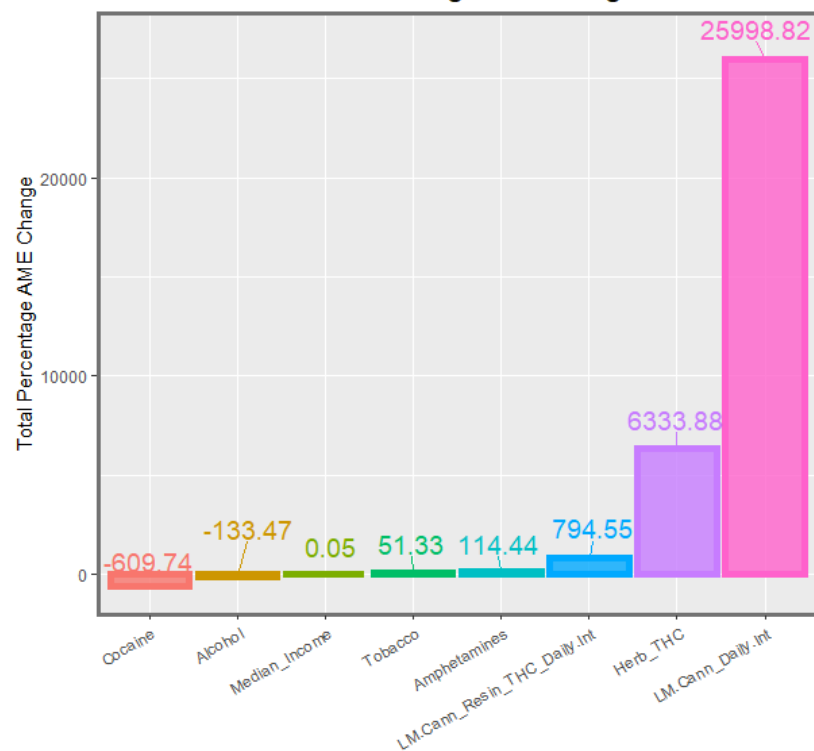
mEV ~ Anomaly



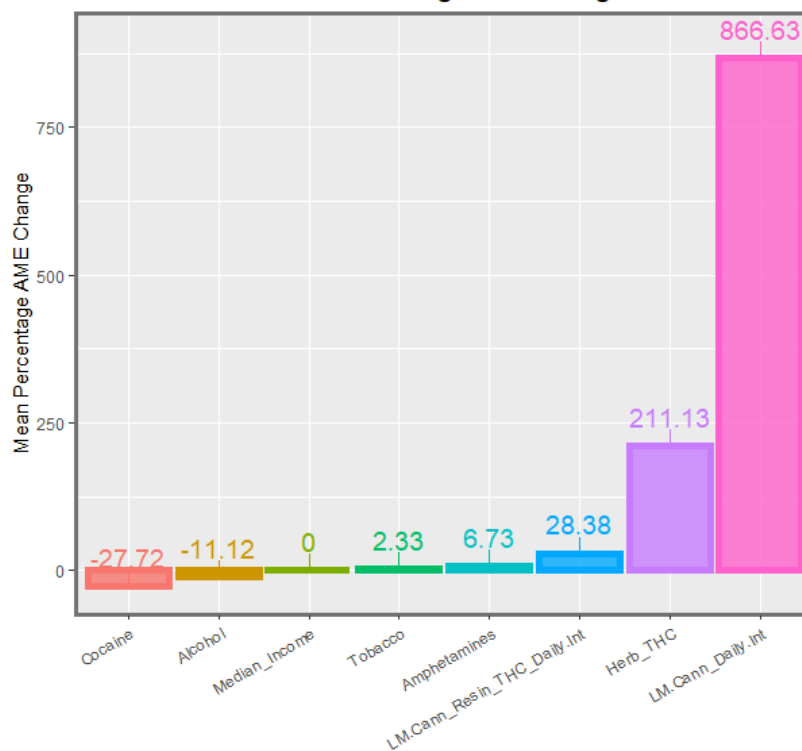
SF31

Marginal FX by Substance

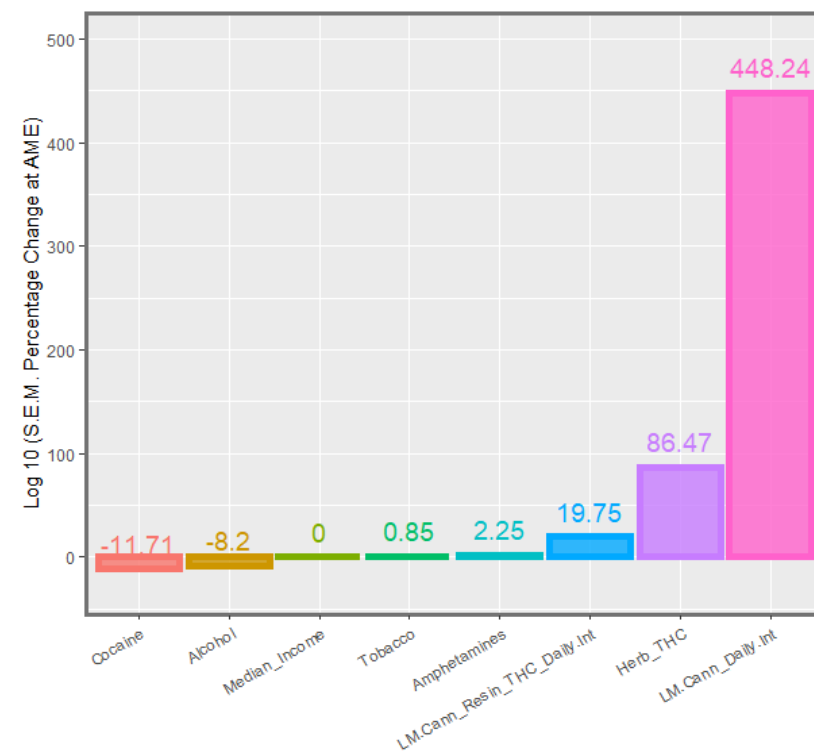
Total Percentage AME Change



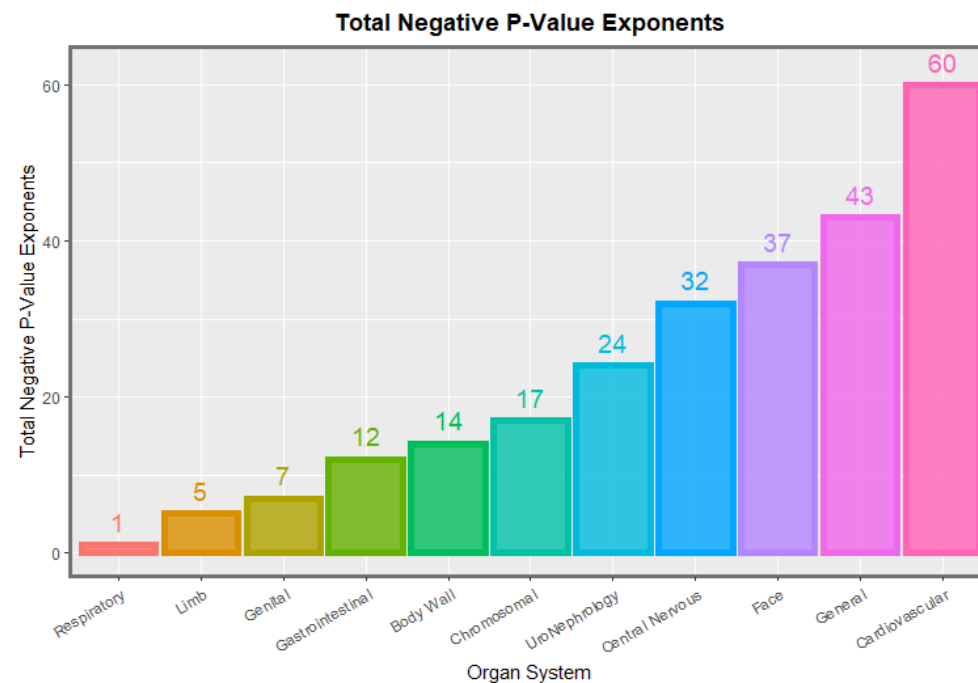
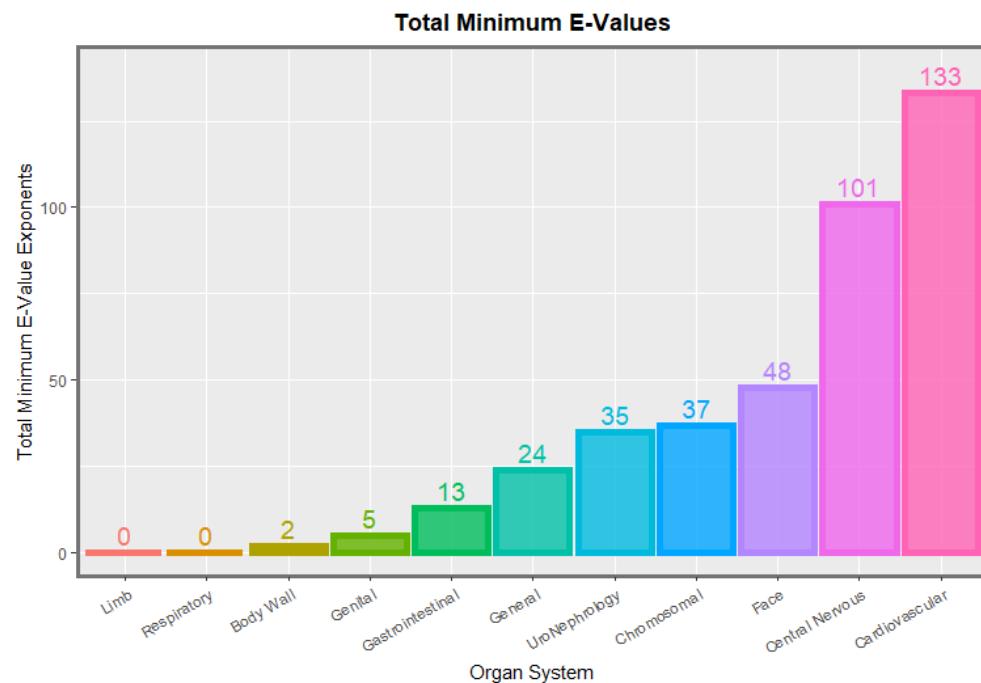
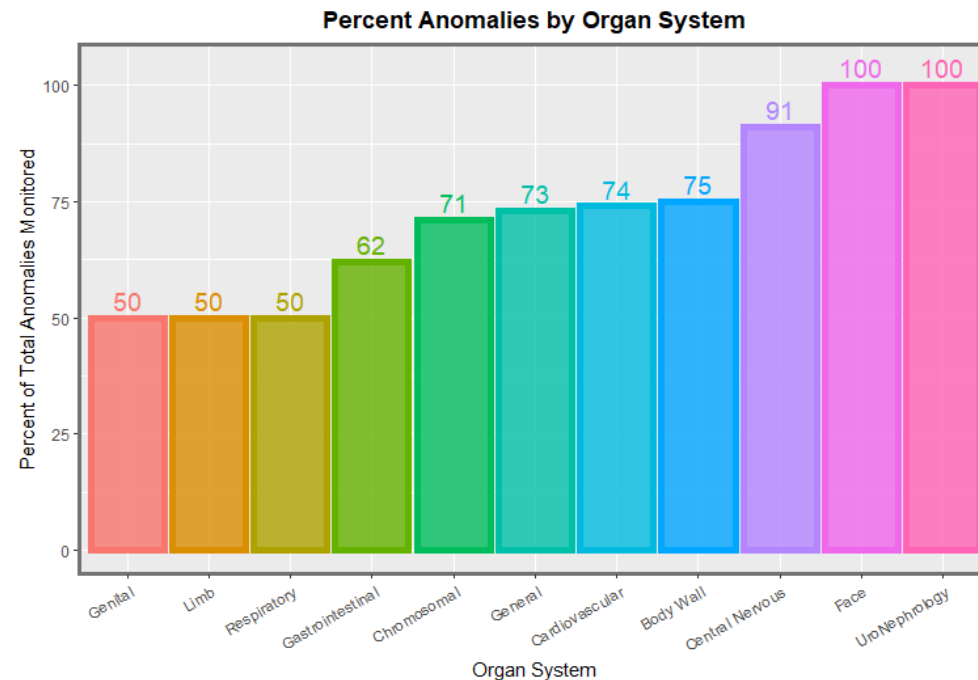
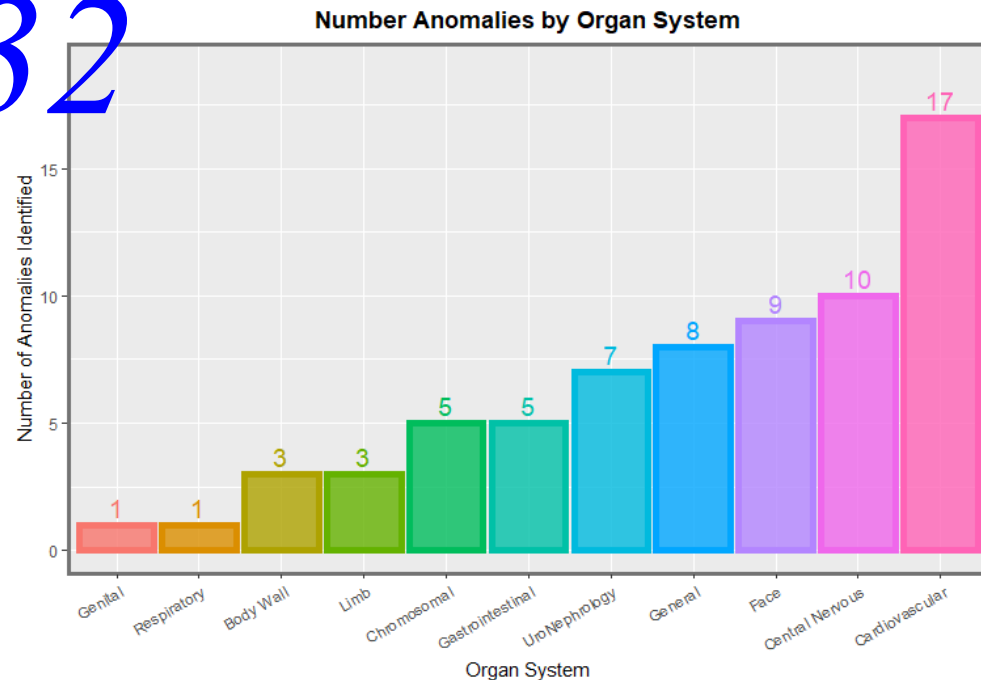
Mean Percentage AME Change



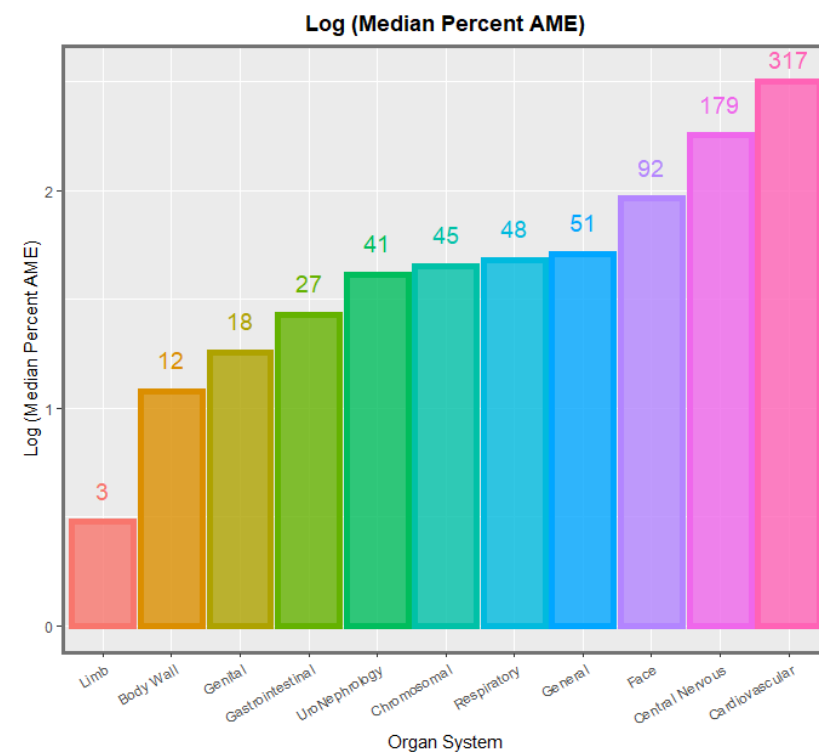
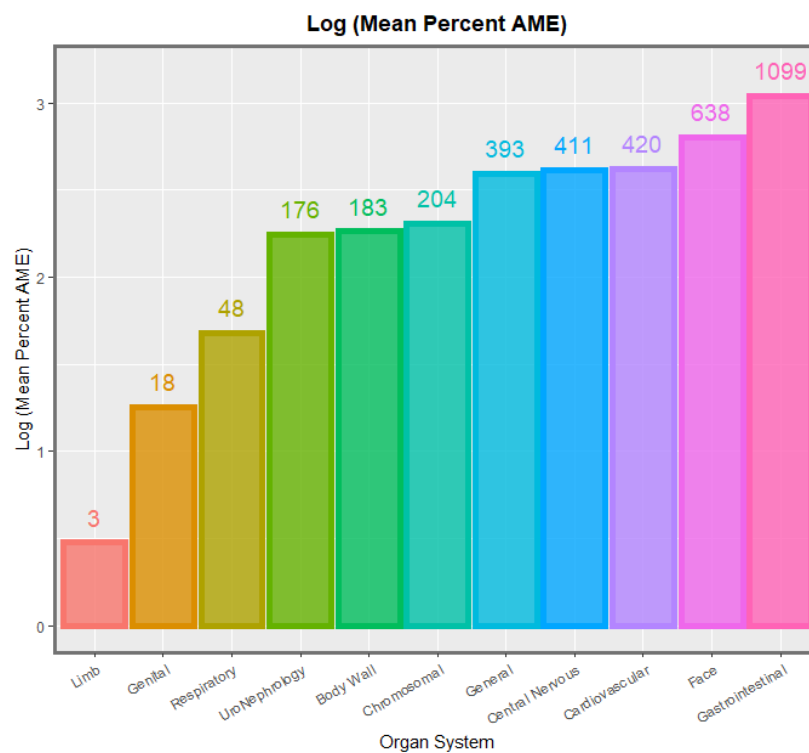
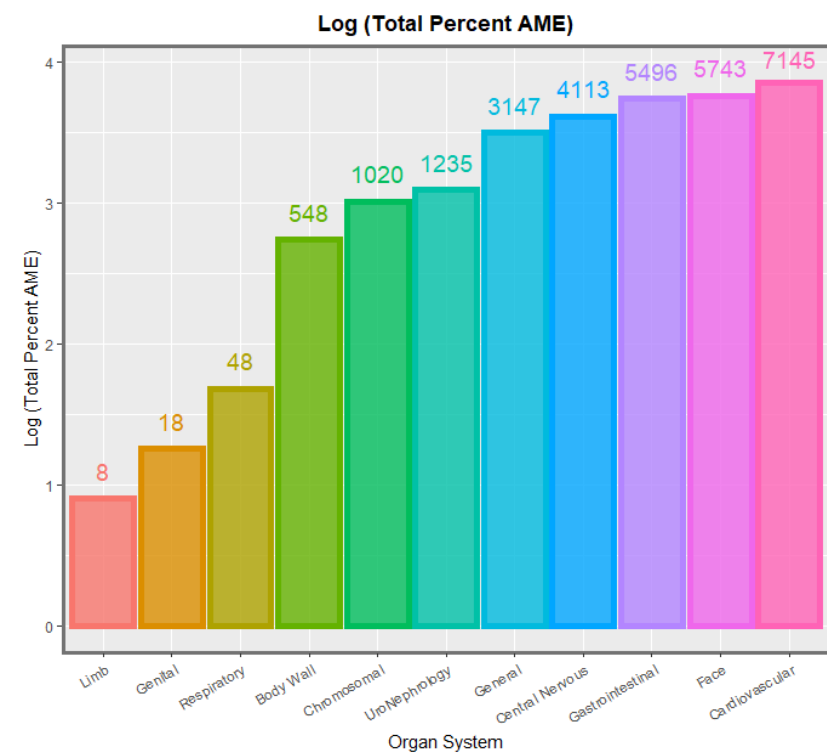
Median Percent Increment at AME



SF32

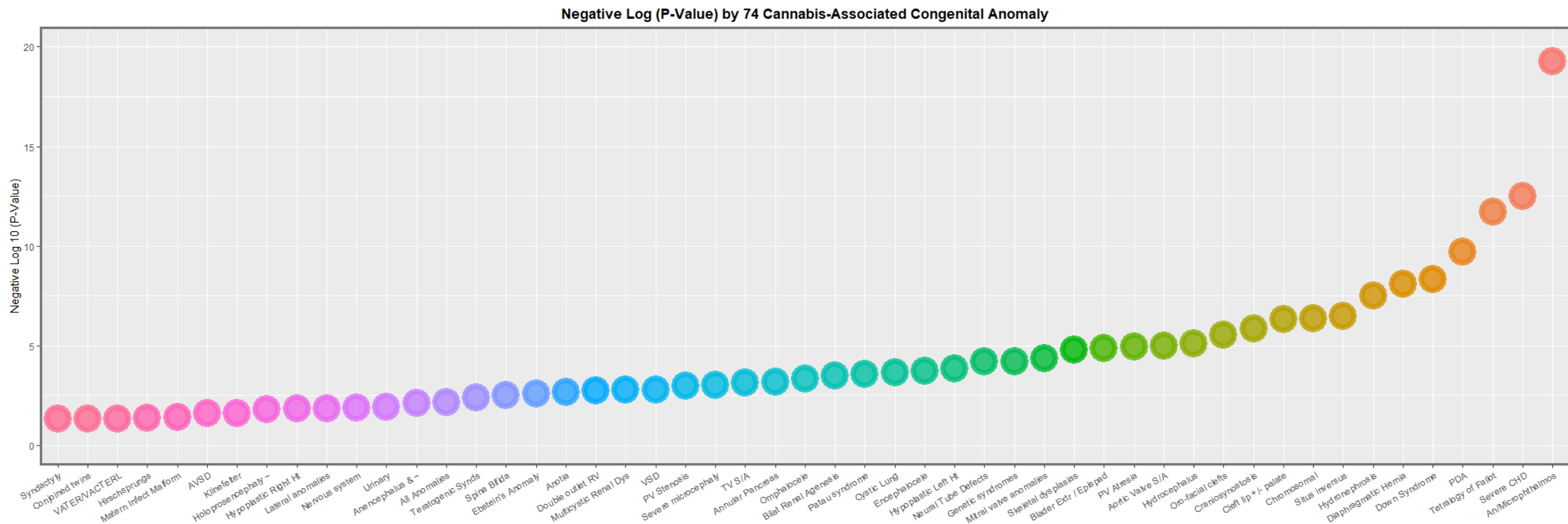


SF33



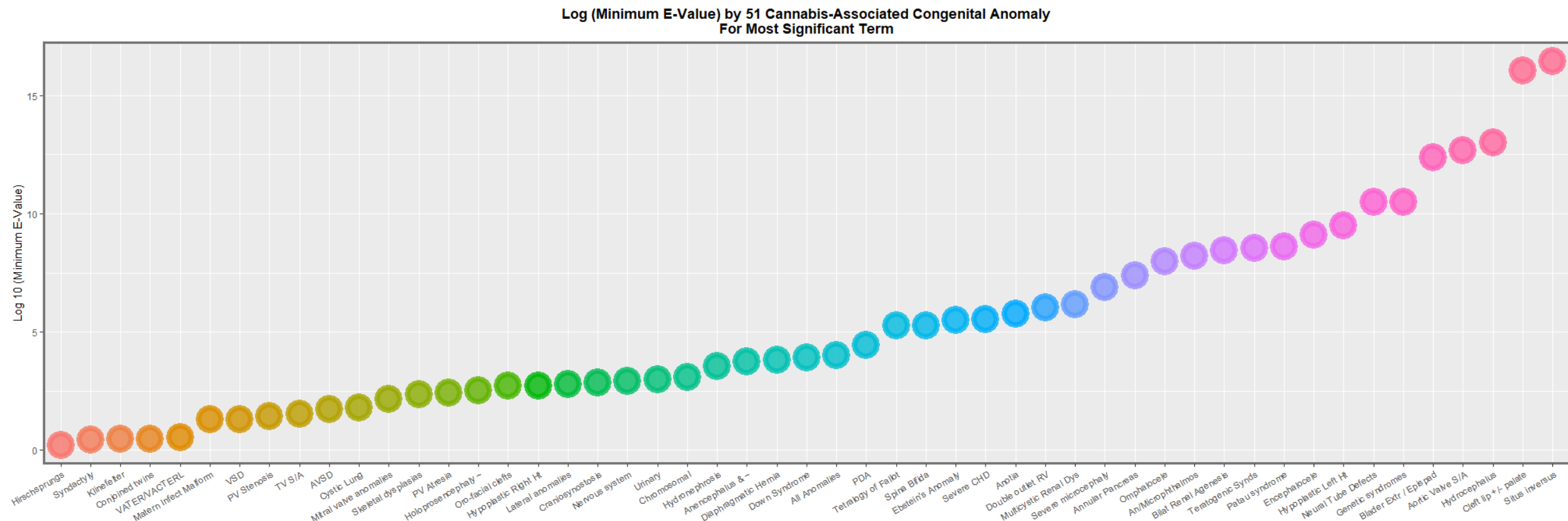
SF34

P



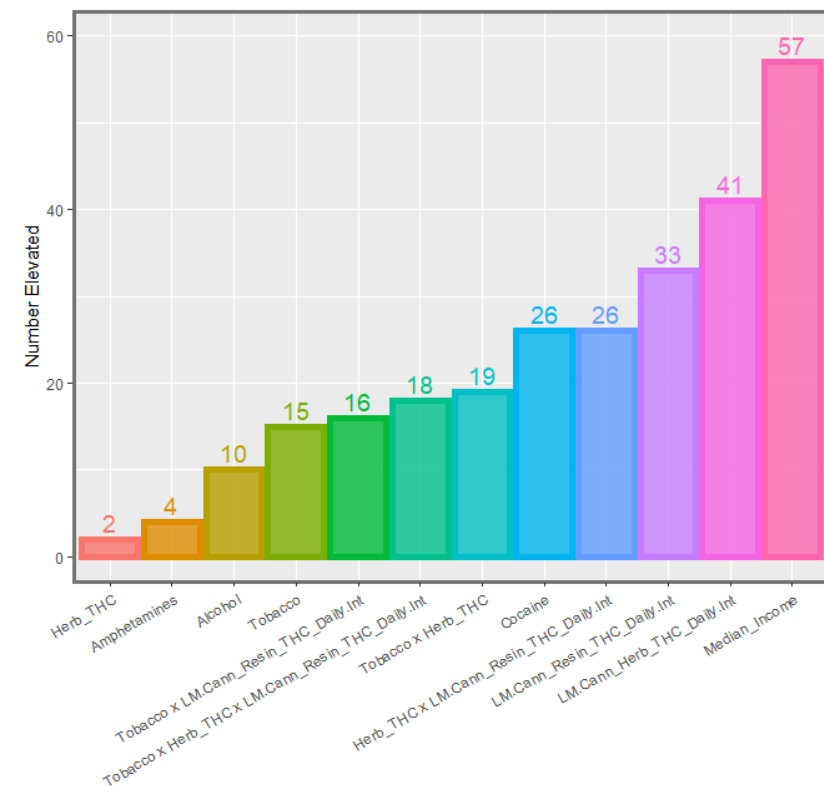
SF35

mEV

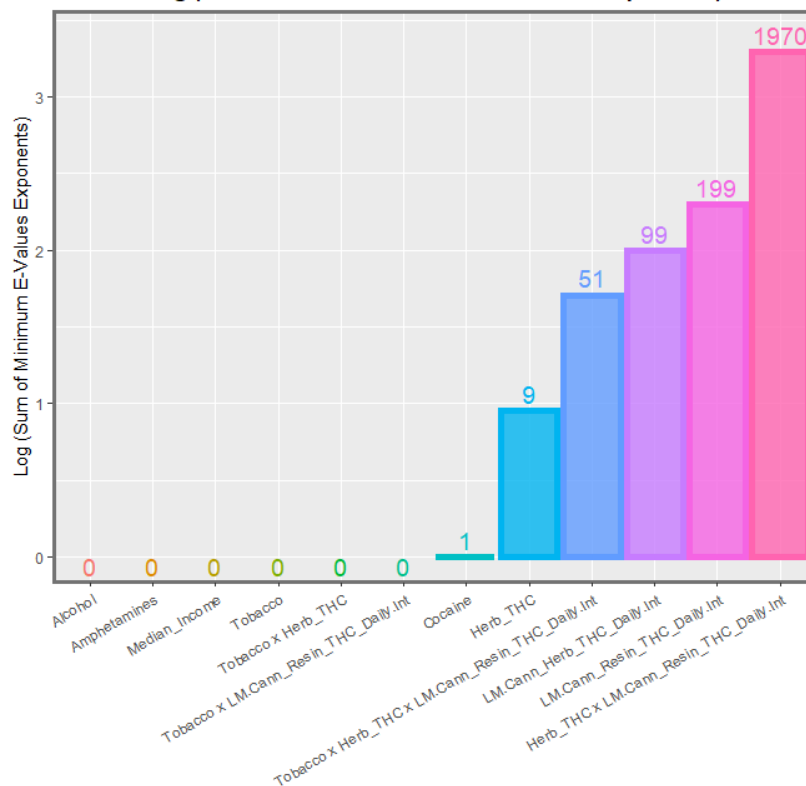


SF36

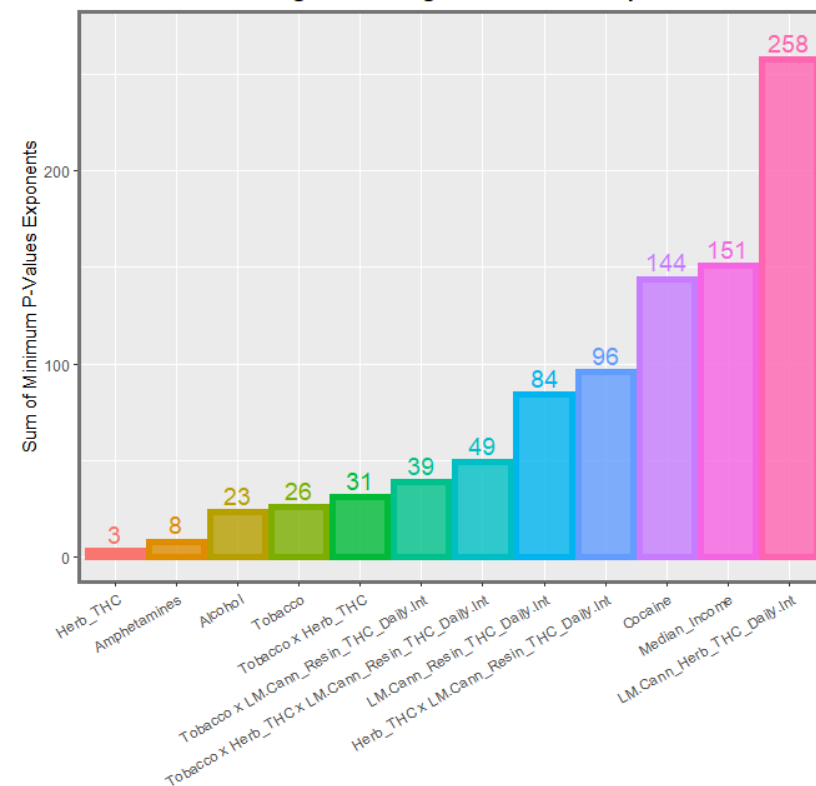
Number of Anomalies with Elevated Minimum E-Values



Log (Sum of Elevated Minimum E-Values Exponents)



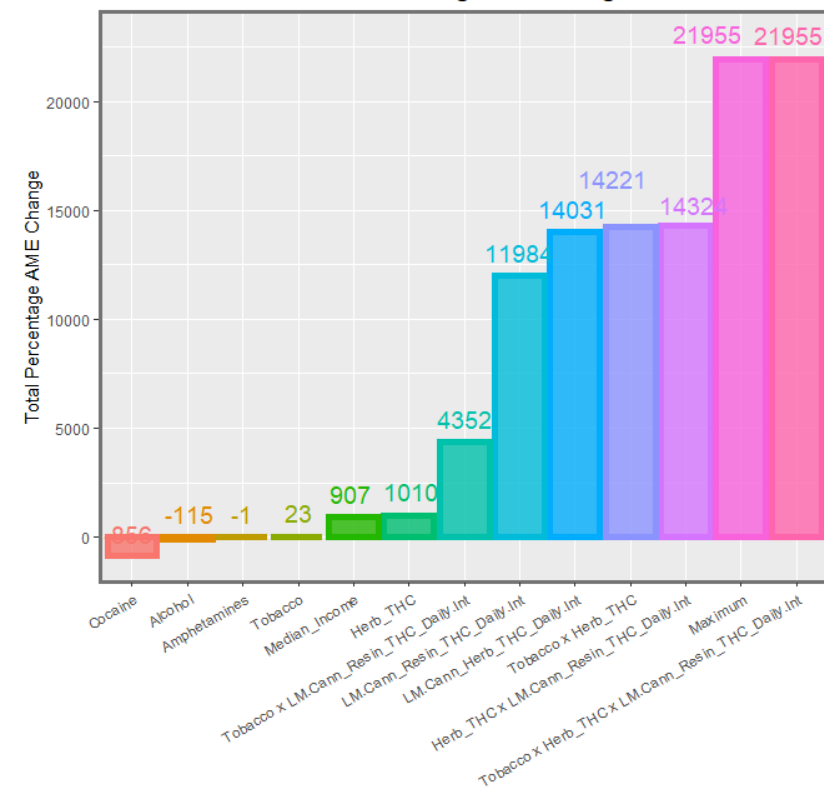
Sum of Significant Negative P-Values Exponents



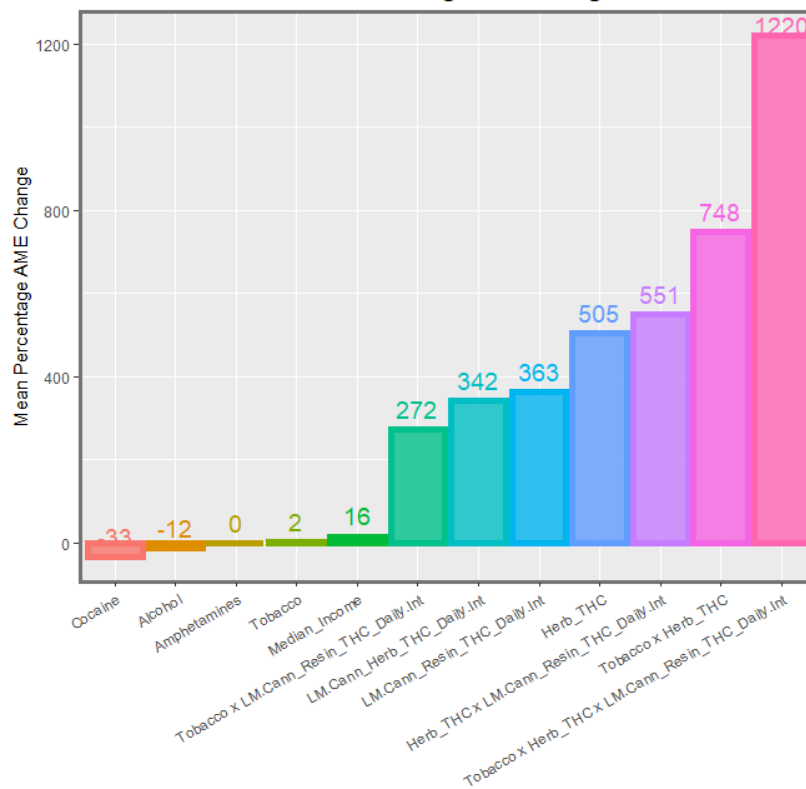
SF37

~ Marg FX

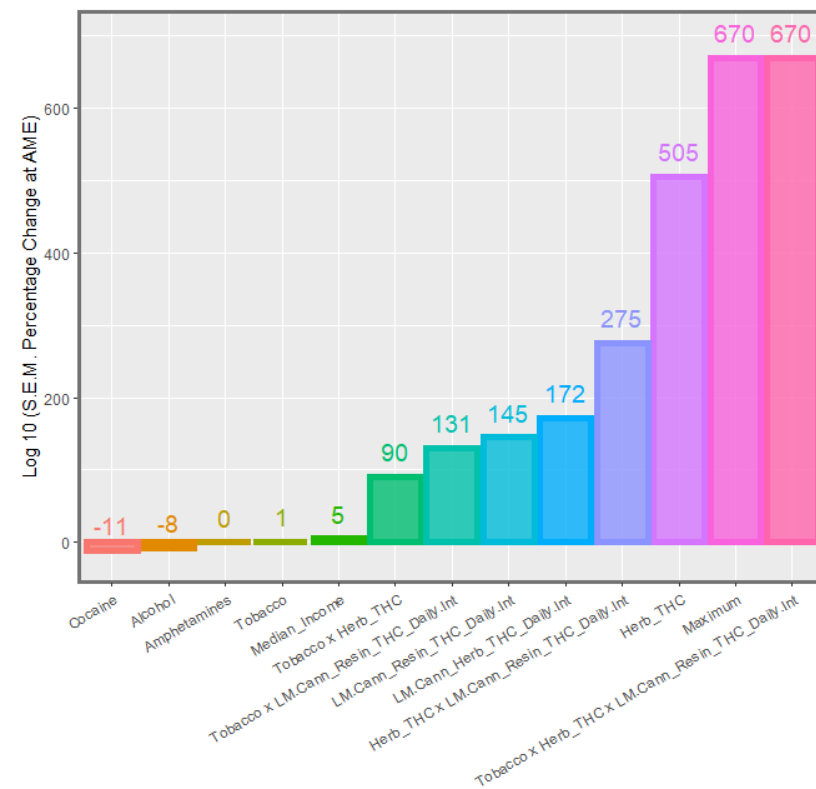
Total Percentage AME Change



Mean Percentage AME Change

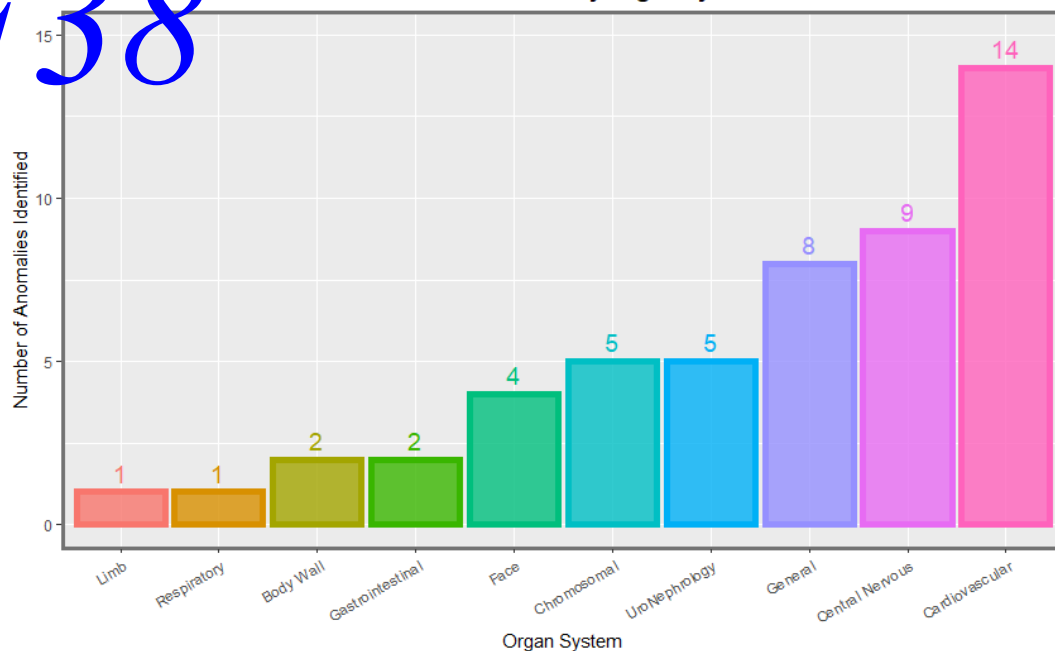


Median Percent Increment at AME

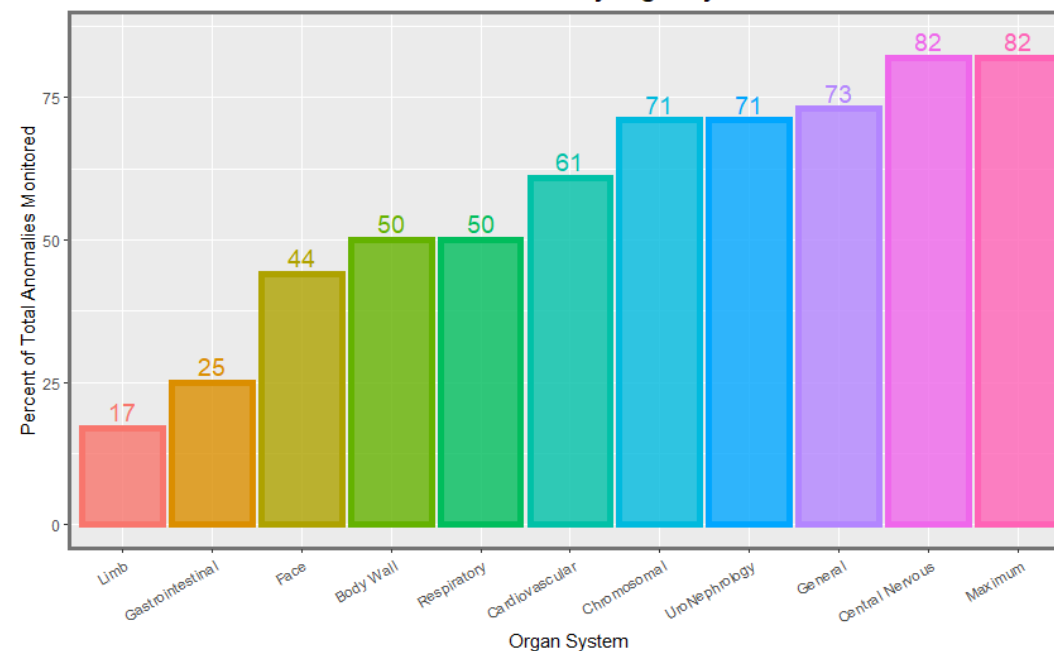


SF38

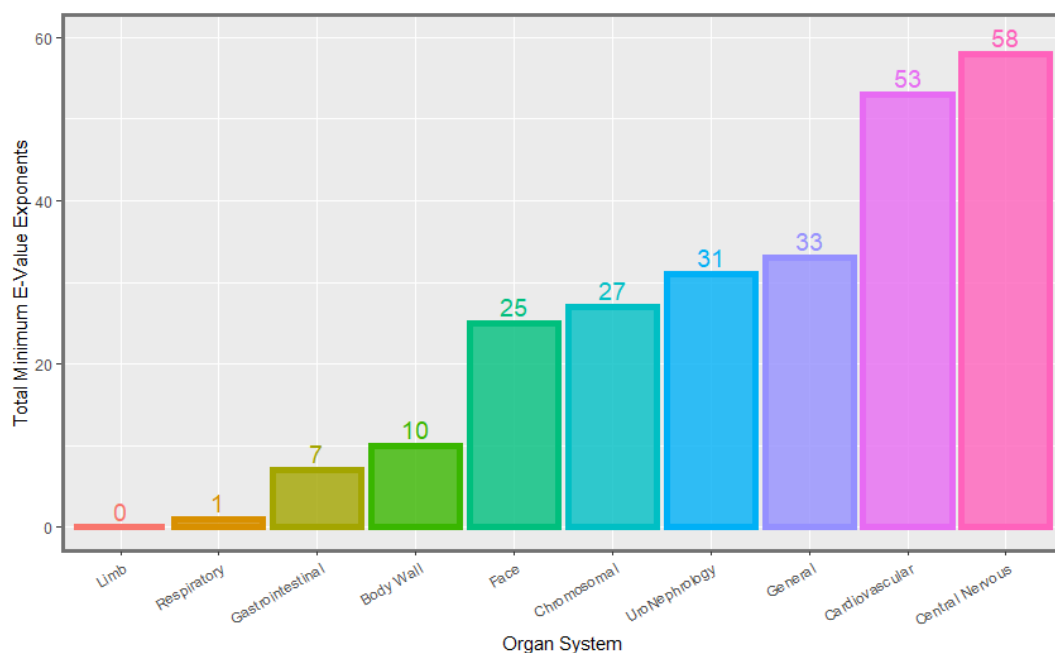
Number Anomalies by Organ System



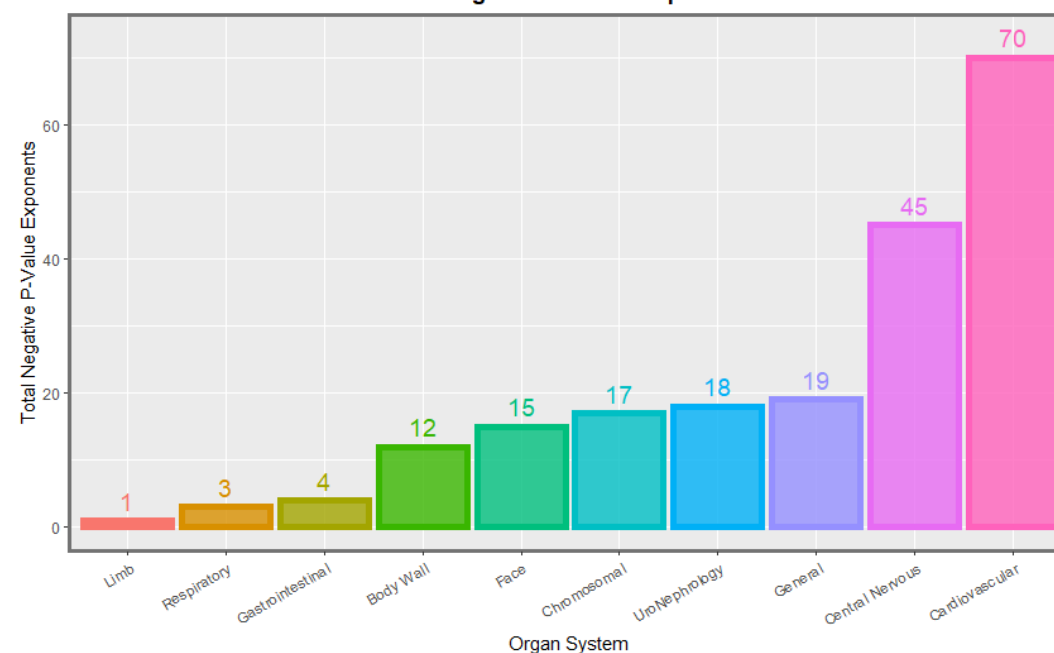
Percent Anomalies by Organ System



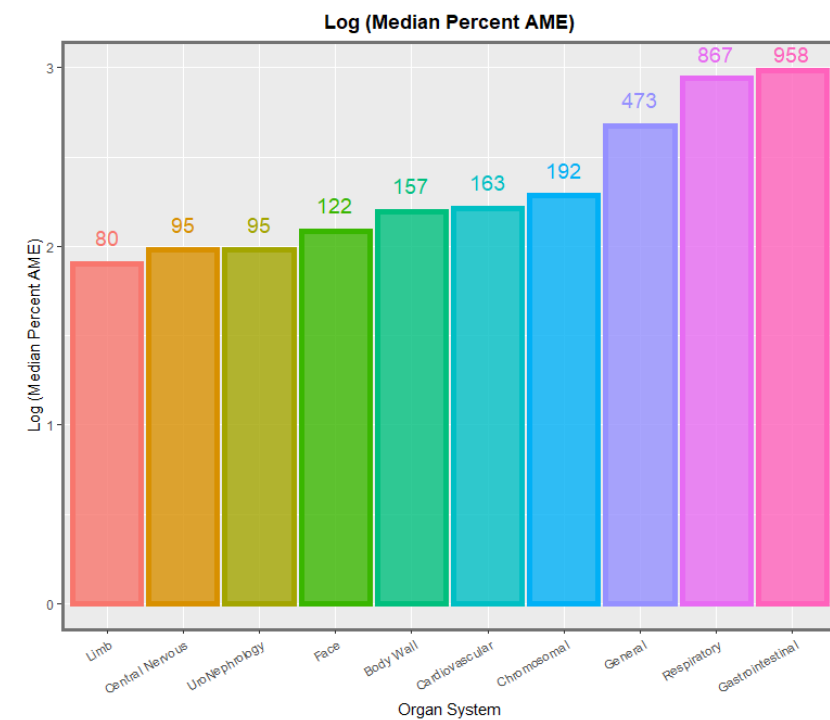
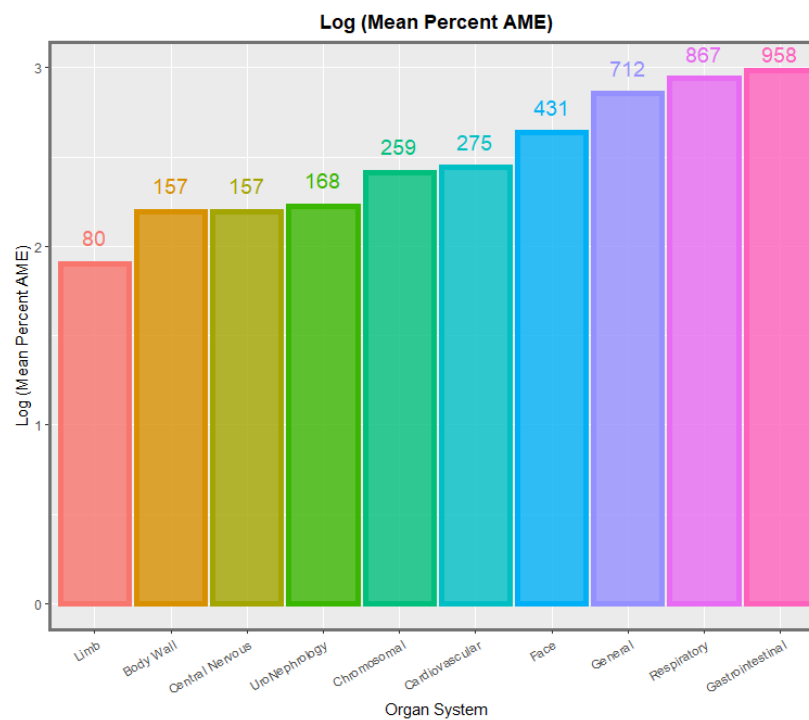
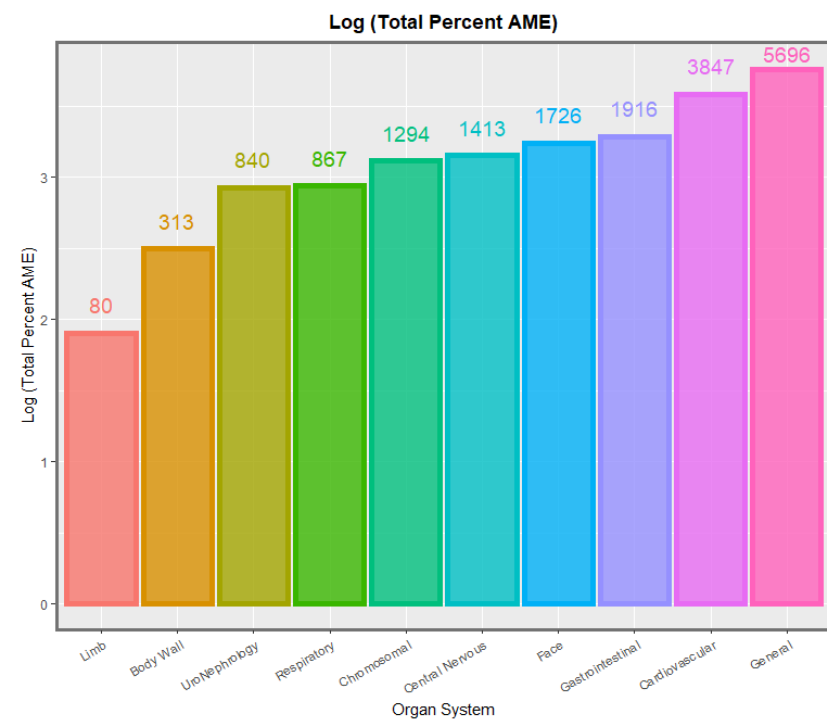
Total Minimum E-Values



Total Negative P-Value Exponents

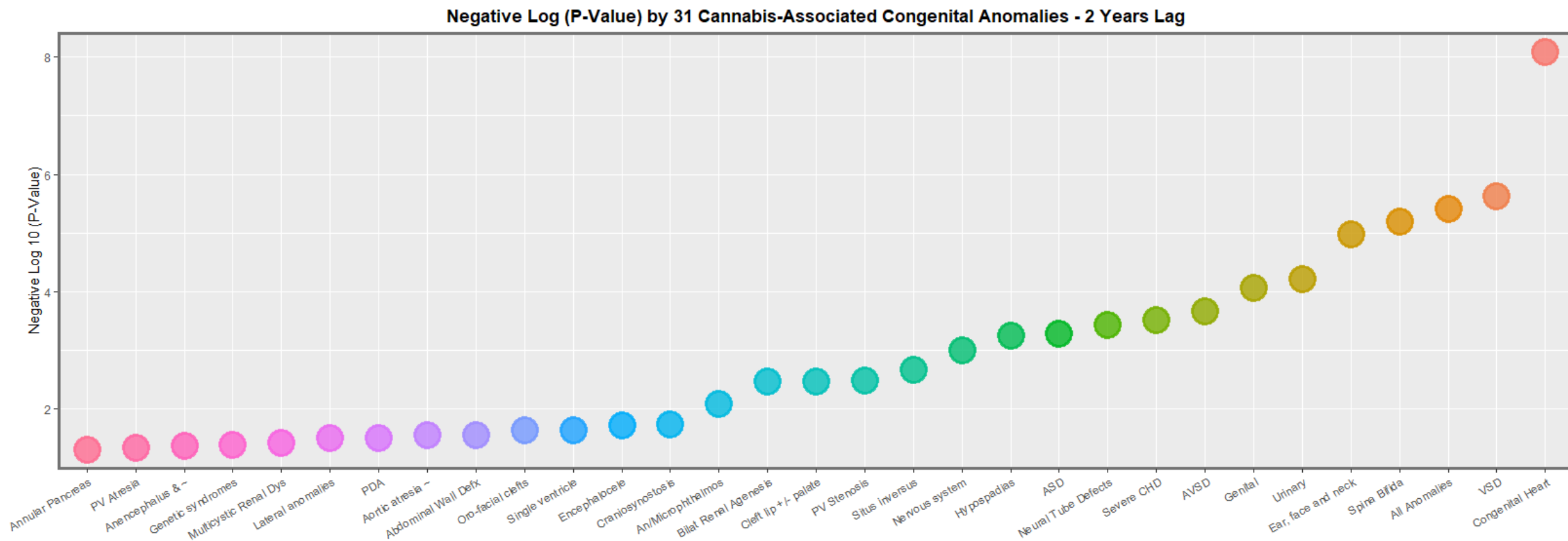


SF39



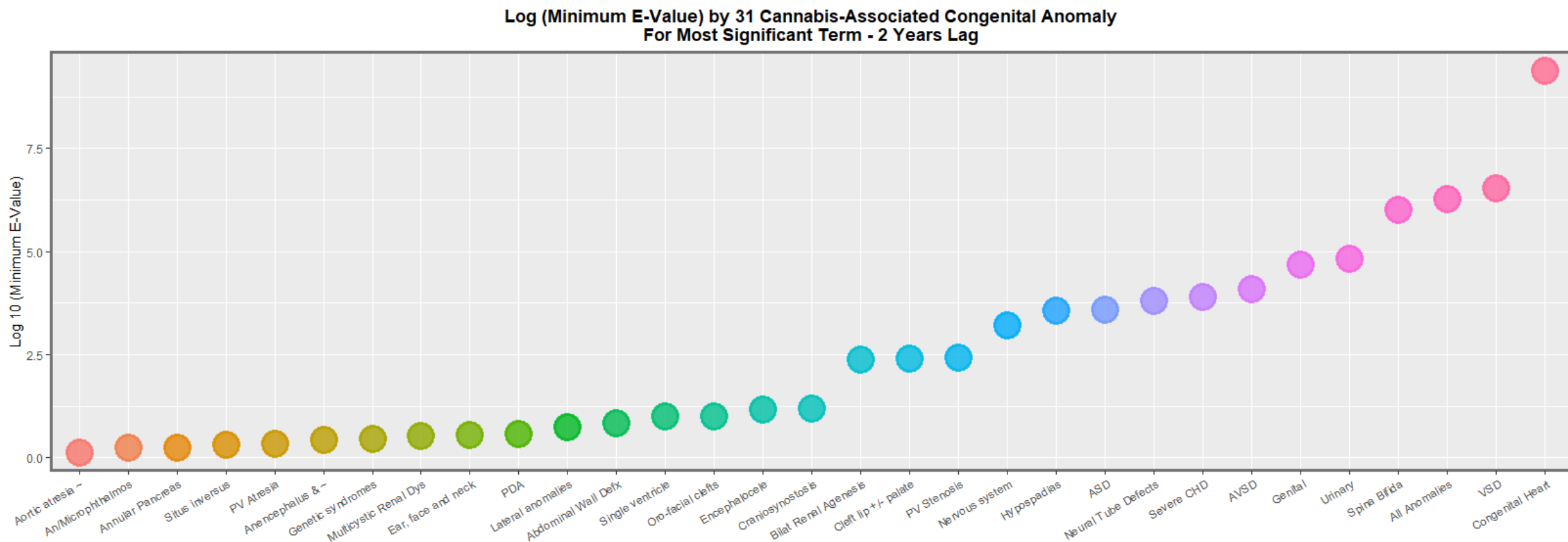
SF40

P-Val



SF41

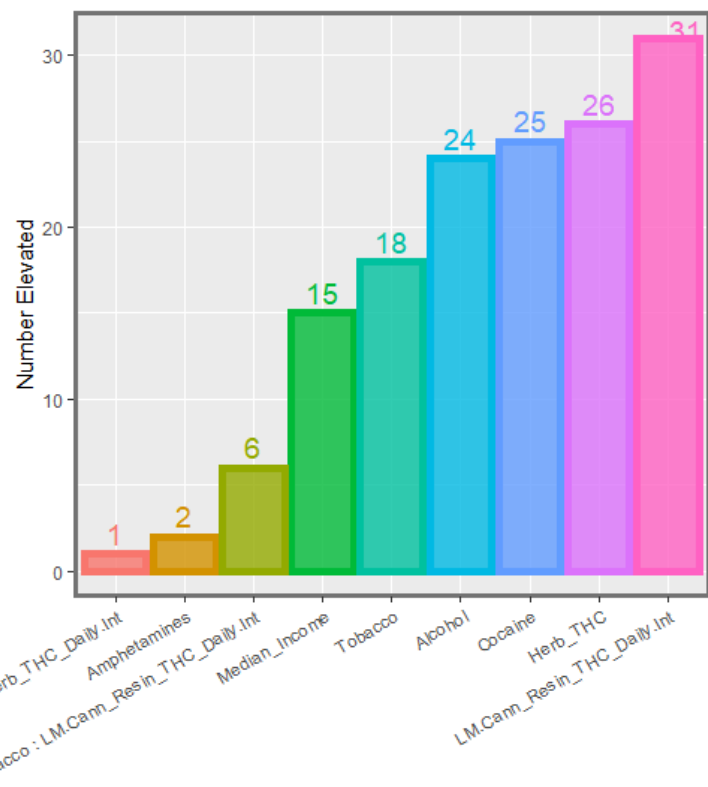
mEV



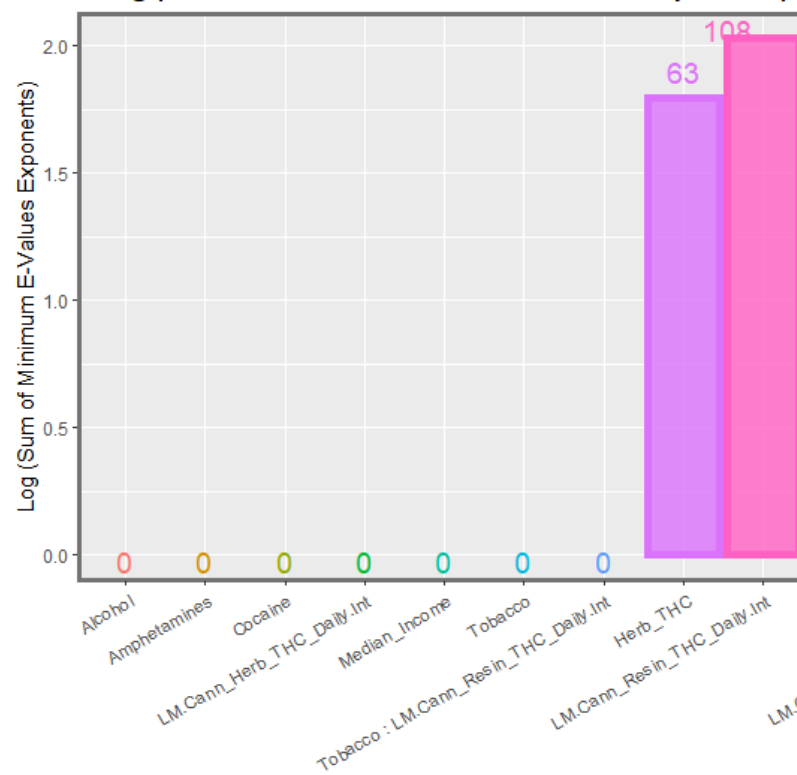
SF42

P's & mEV's

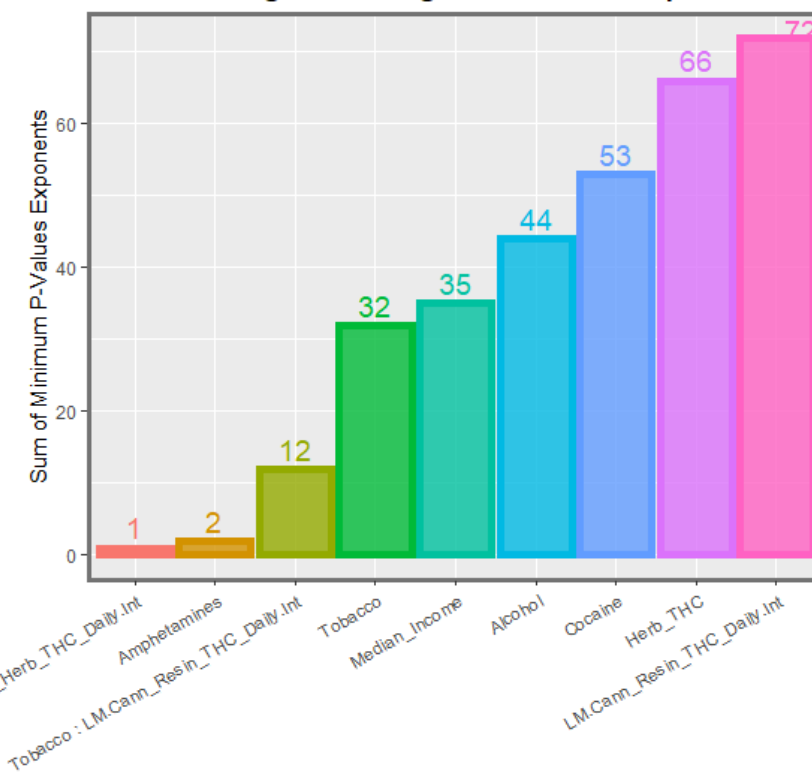
Number of Anomalies Elevated Minimum E-Values



Log (Sum of Elevated Minimum E-Values Exponents)

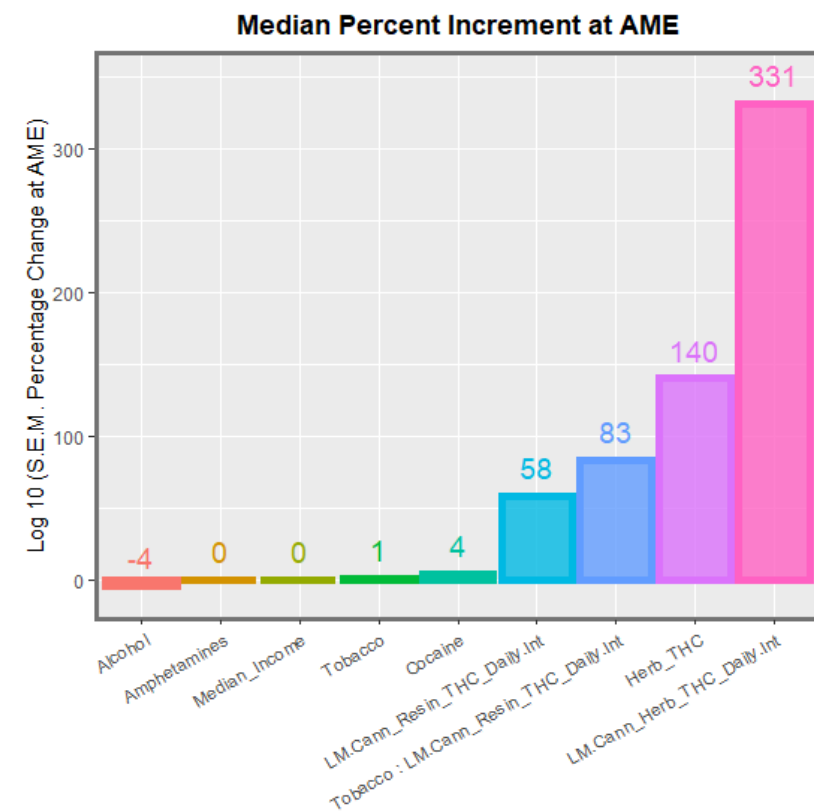
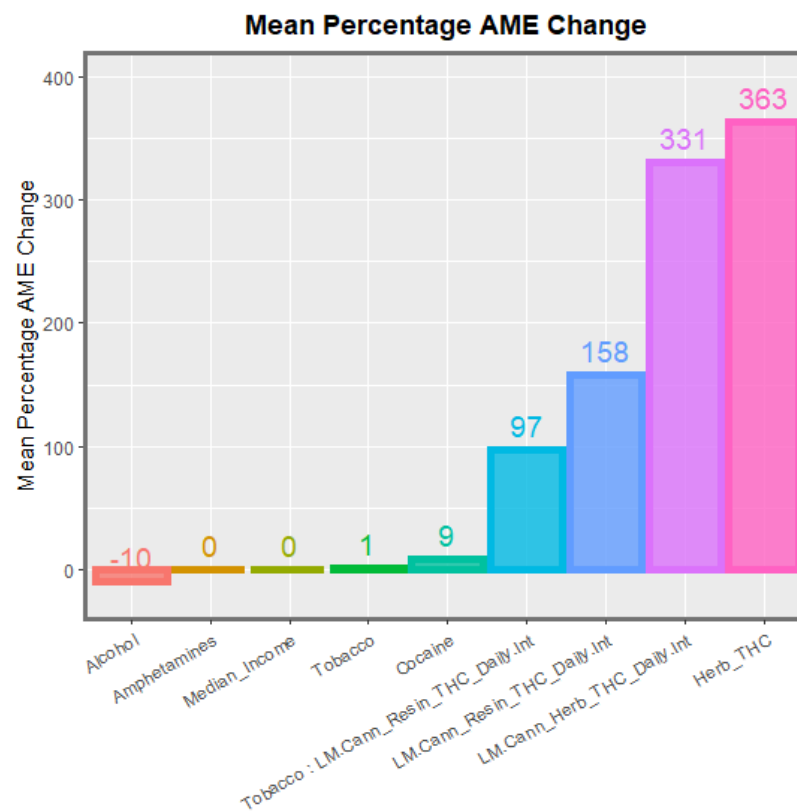
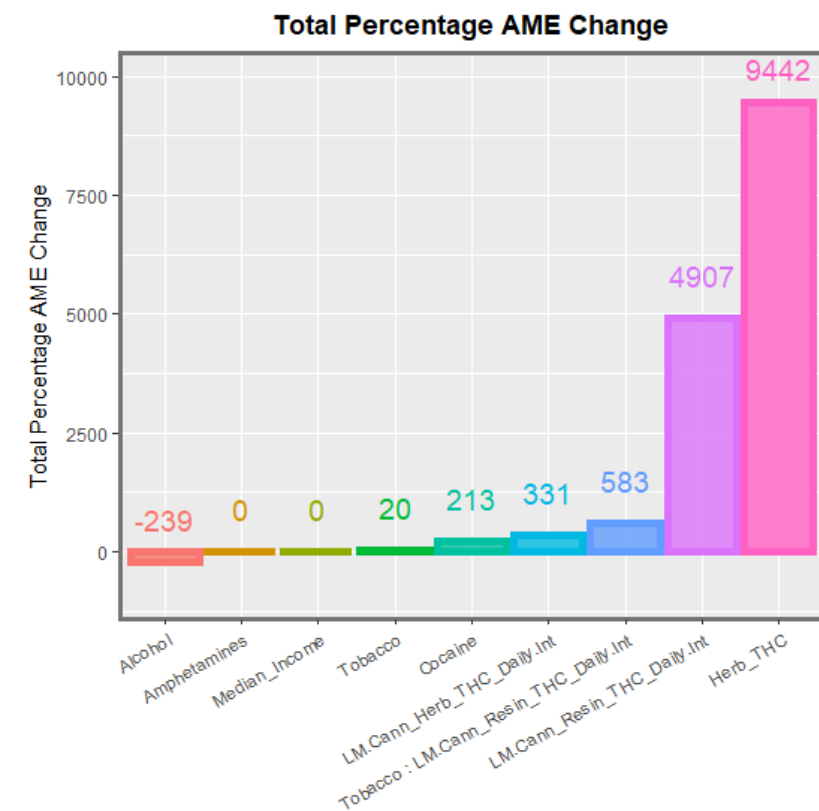


Sum of Significant Negative P-Values Exponents

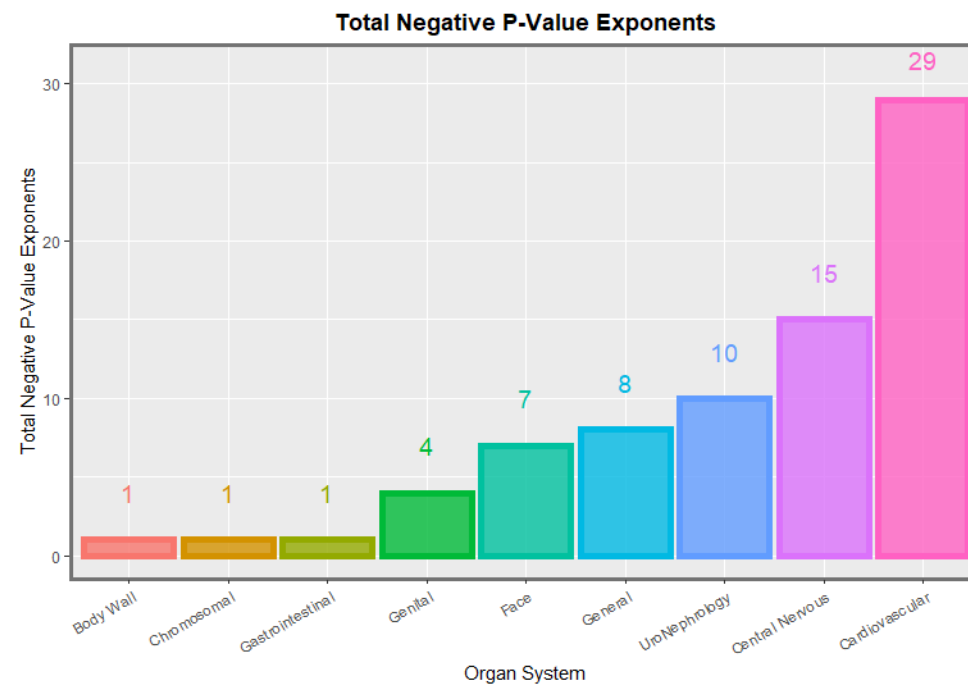
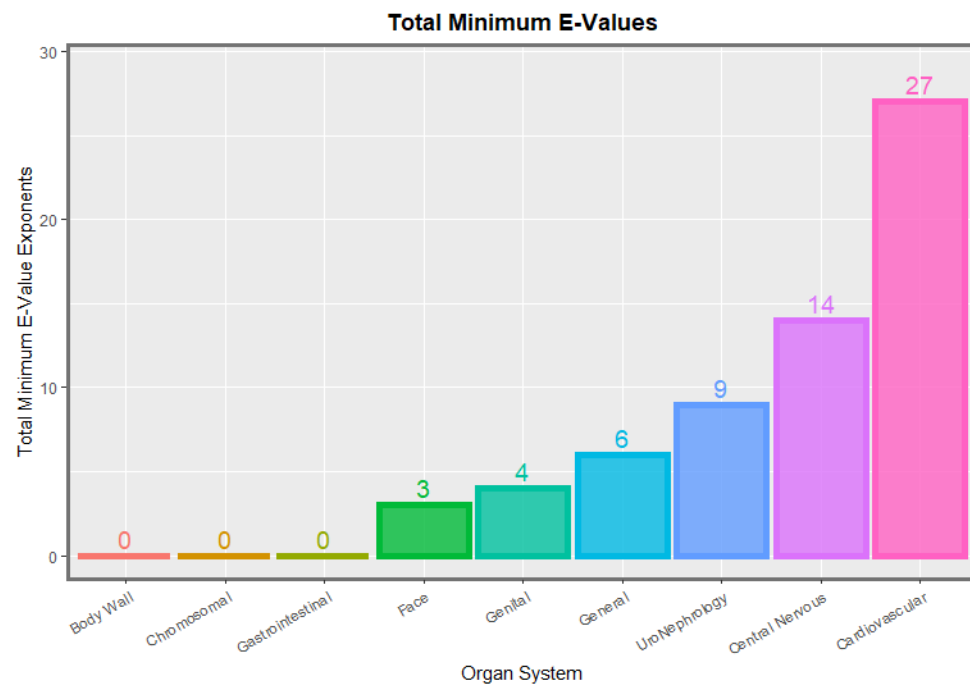
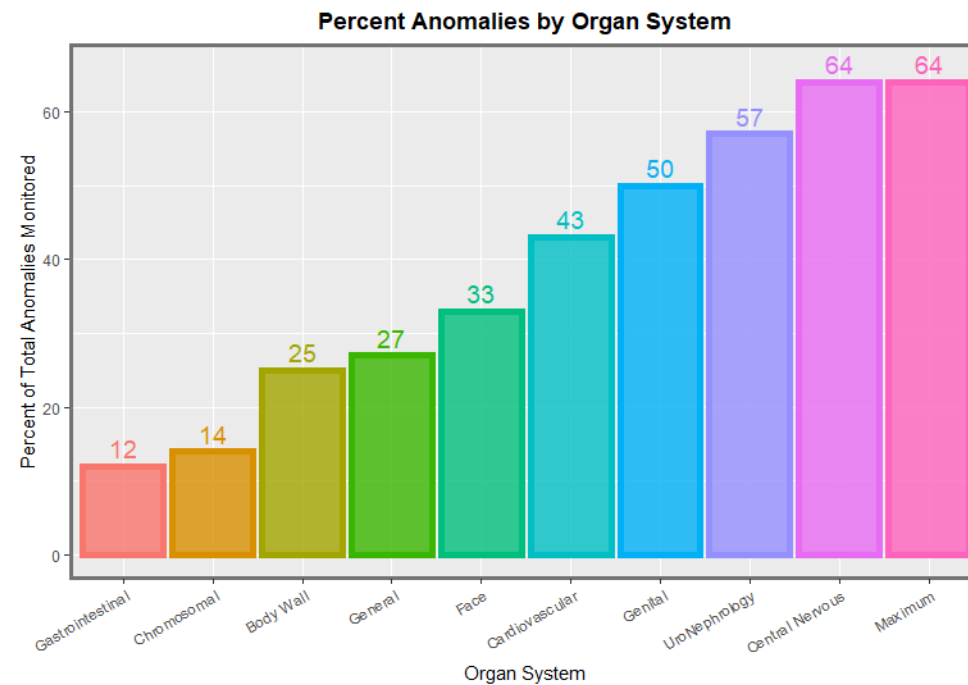
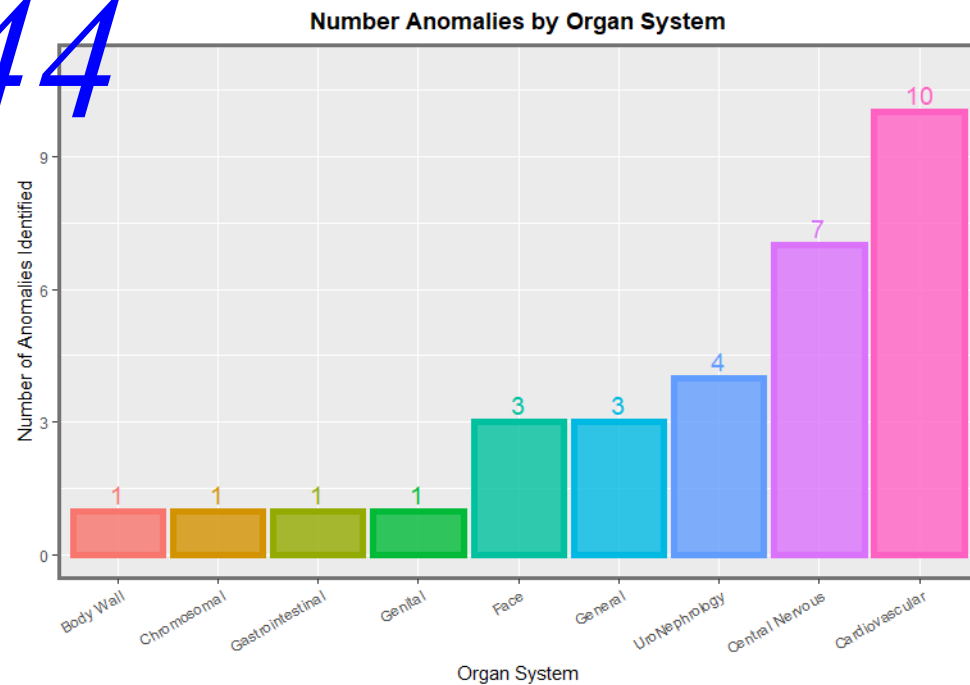


SF43

Marg's – Sum, Mean, Median

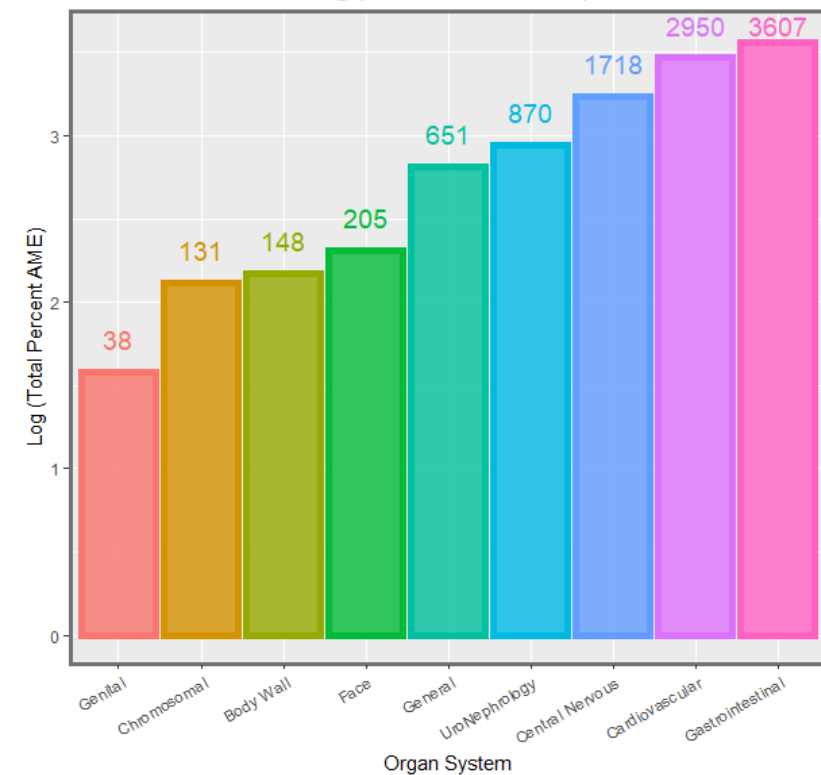


SF44

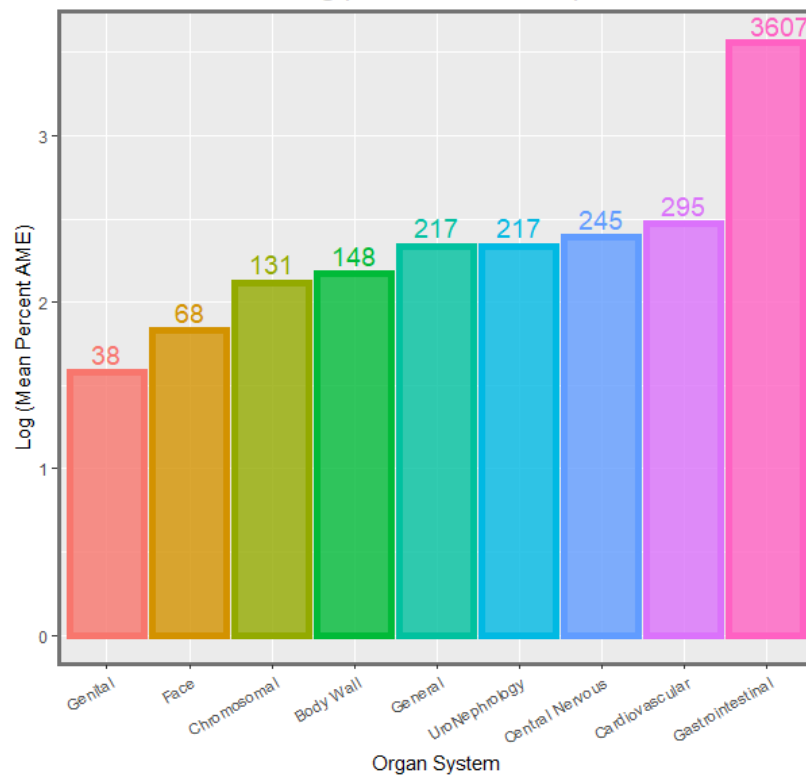


SF45

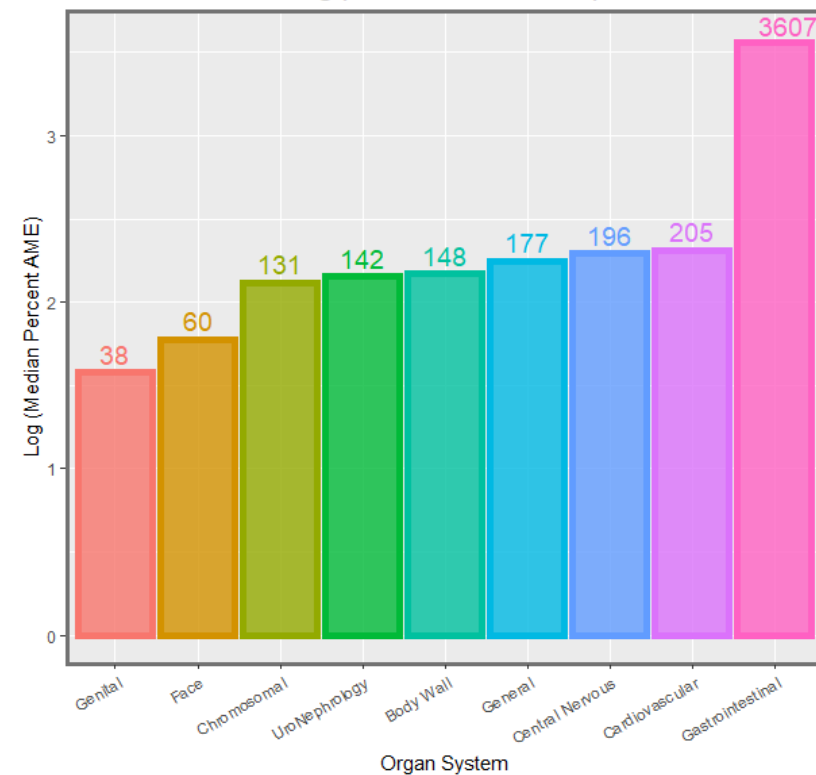
Log (Total Percent AME)



Log (Mean Percent AME)

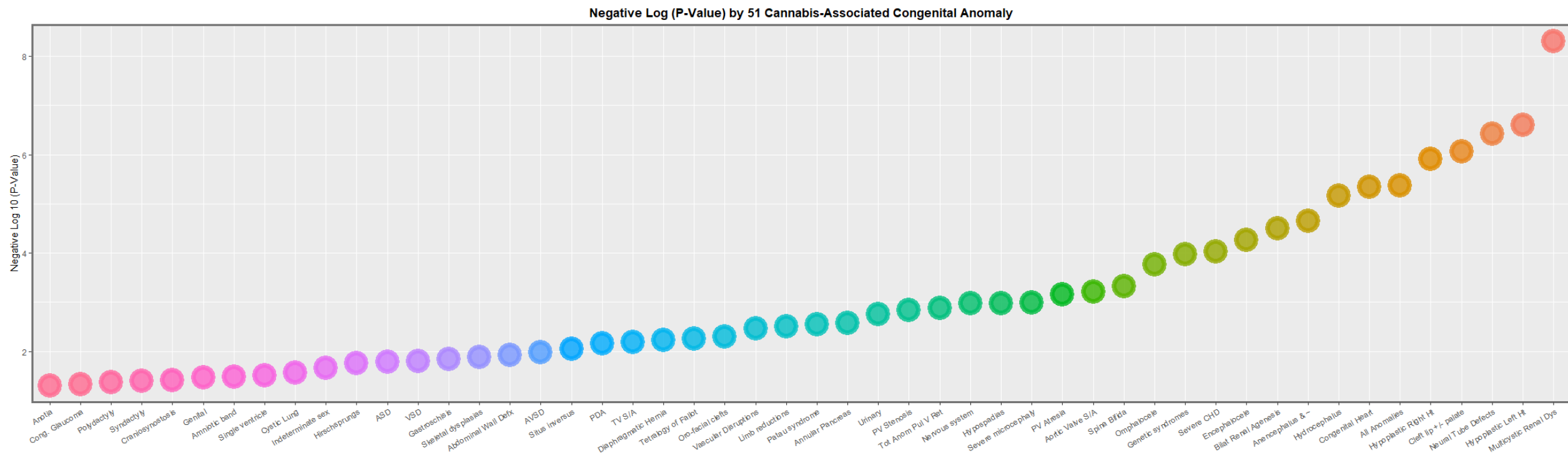


Log (Median Percent AME)



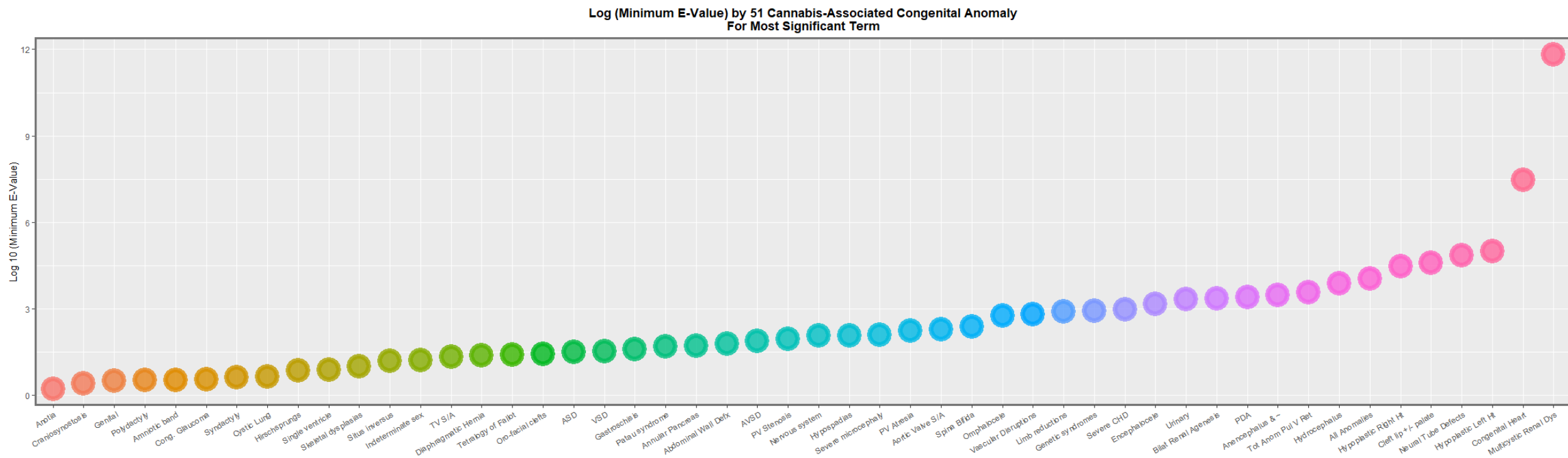
SF46

P's



SF47

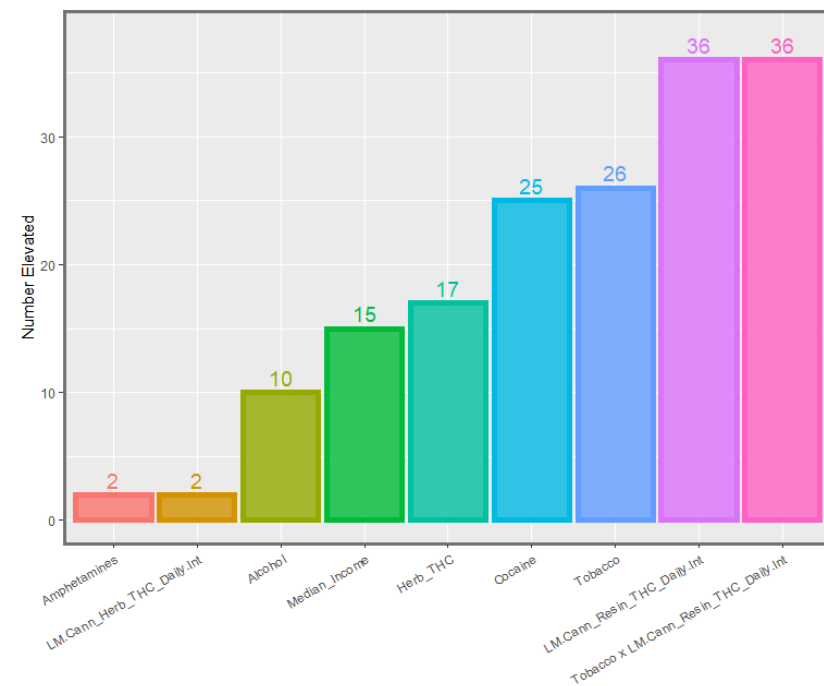
mEV



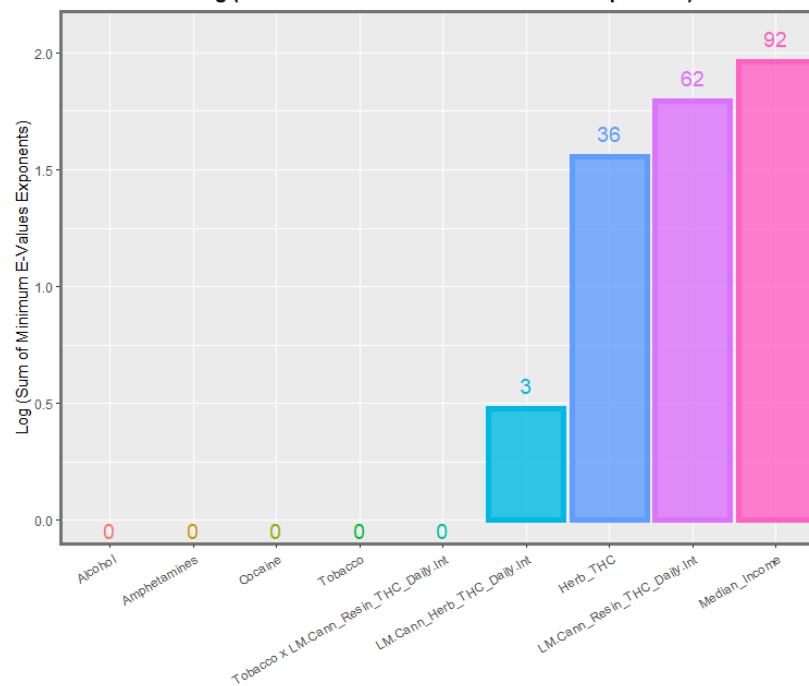
SF48

P's, mEV's

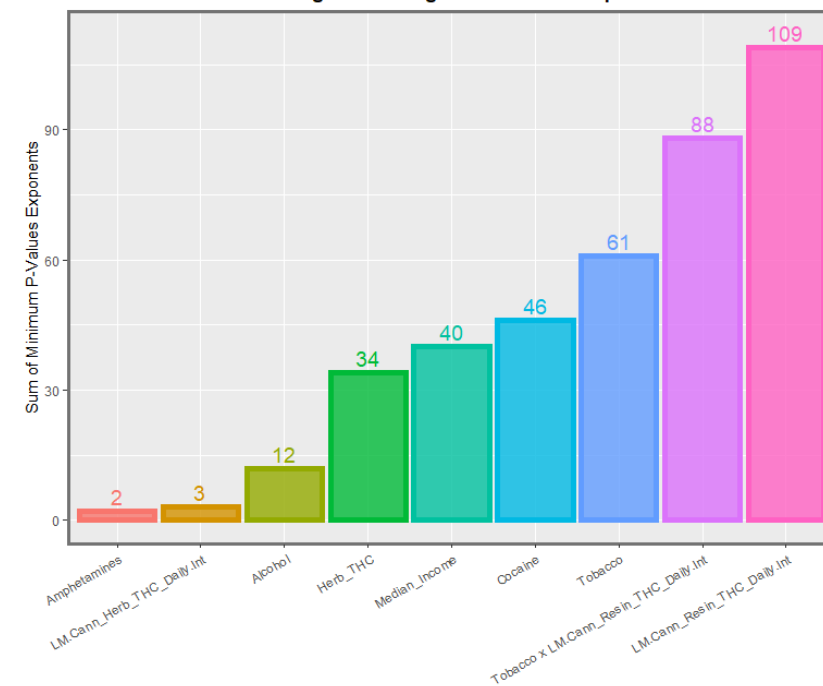
Number of Anomalies with Elevated Minimum E-Values



Log (Sum of Elevated Minimum E-Values Exponents)



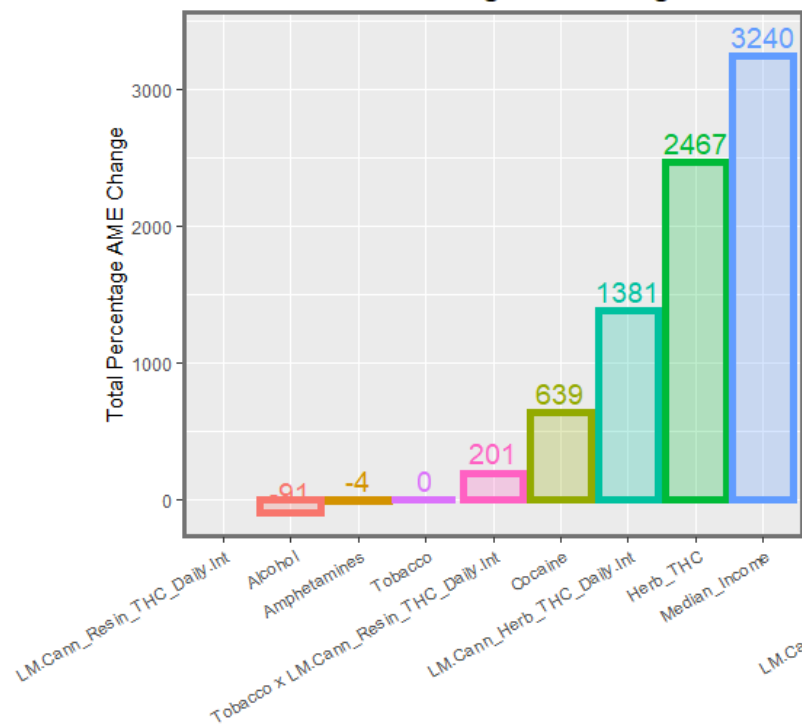
Sum of Significant Negative P-Values Exponents



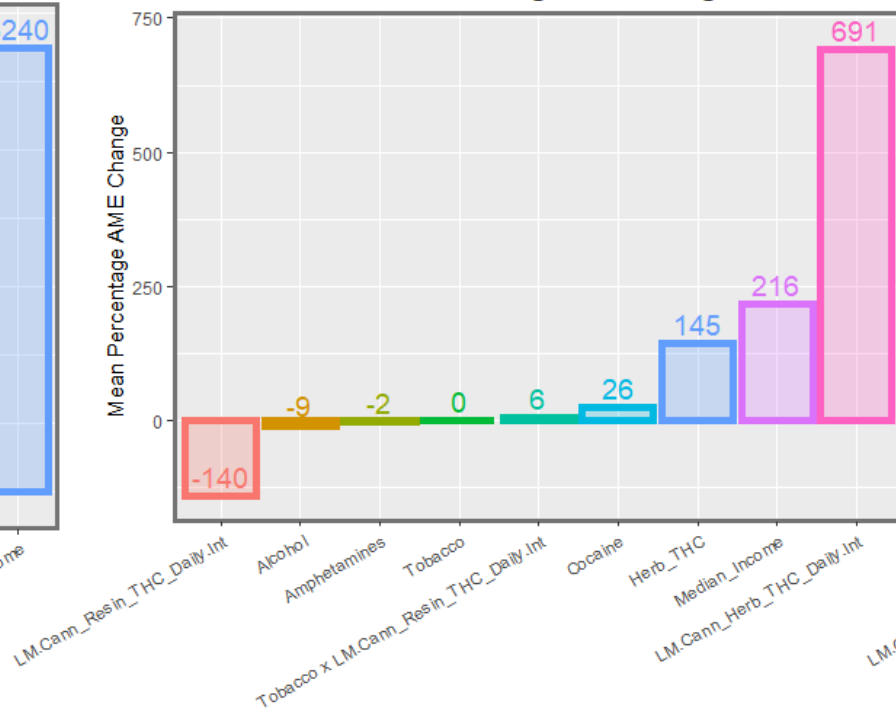
SF49

Marg FX

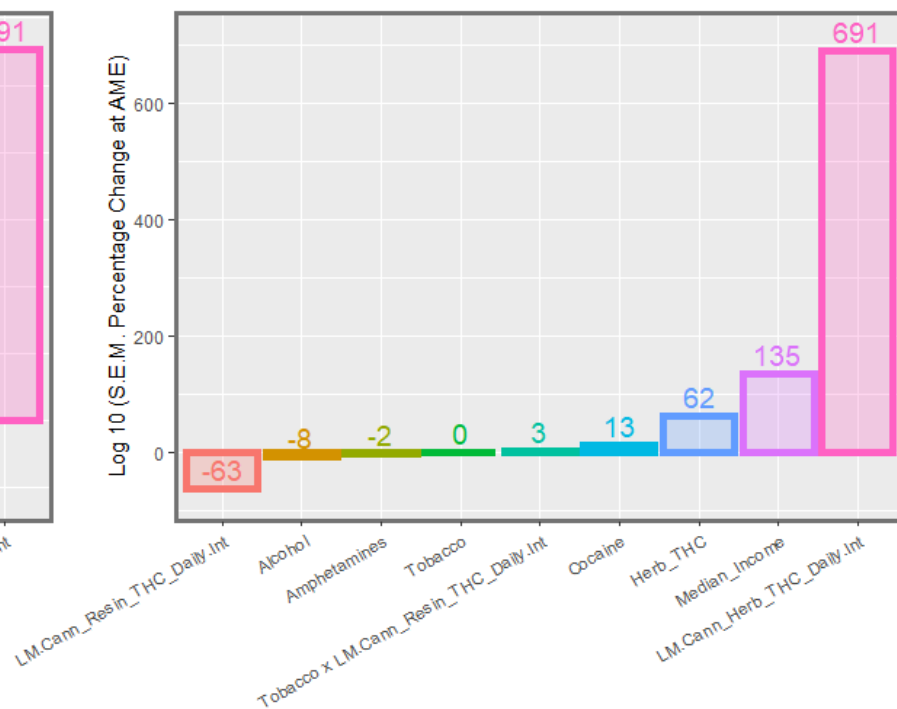
Total Percentage AME Change



Mean Percentage AME Change

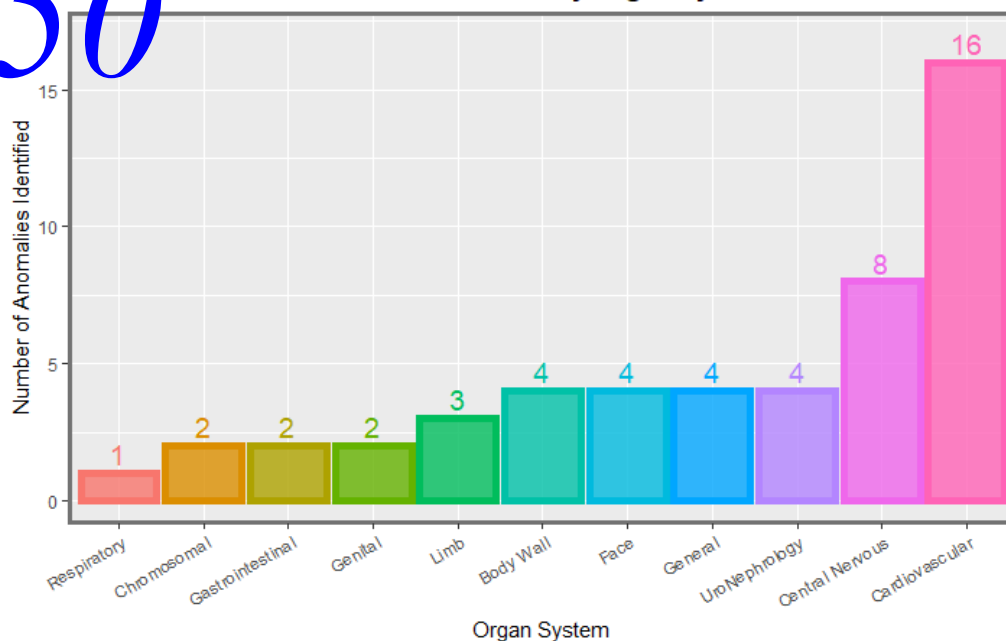


Median Percent Increment at AME

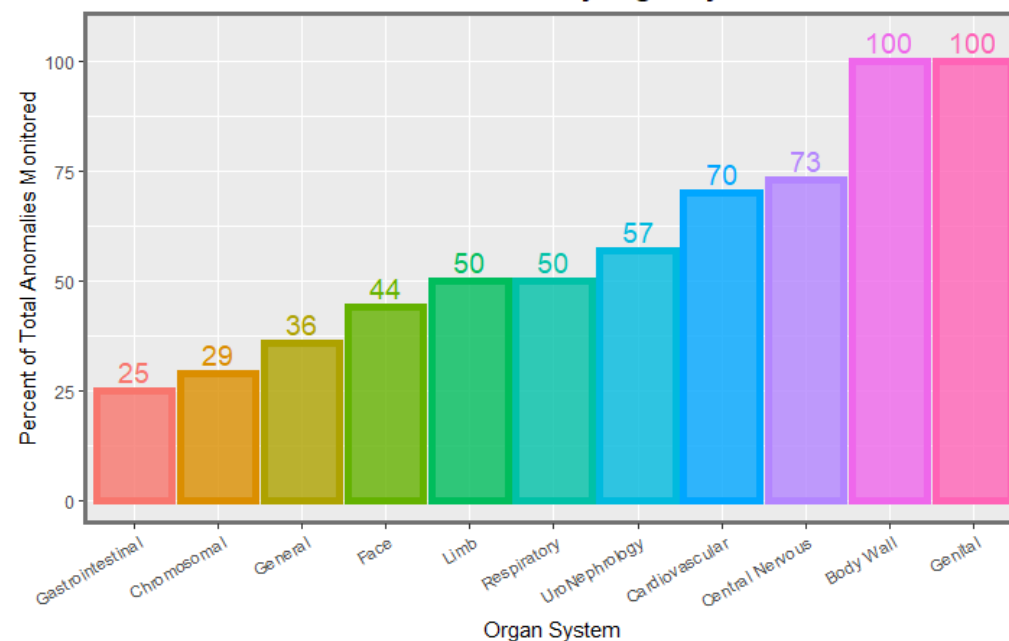


SF50

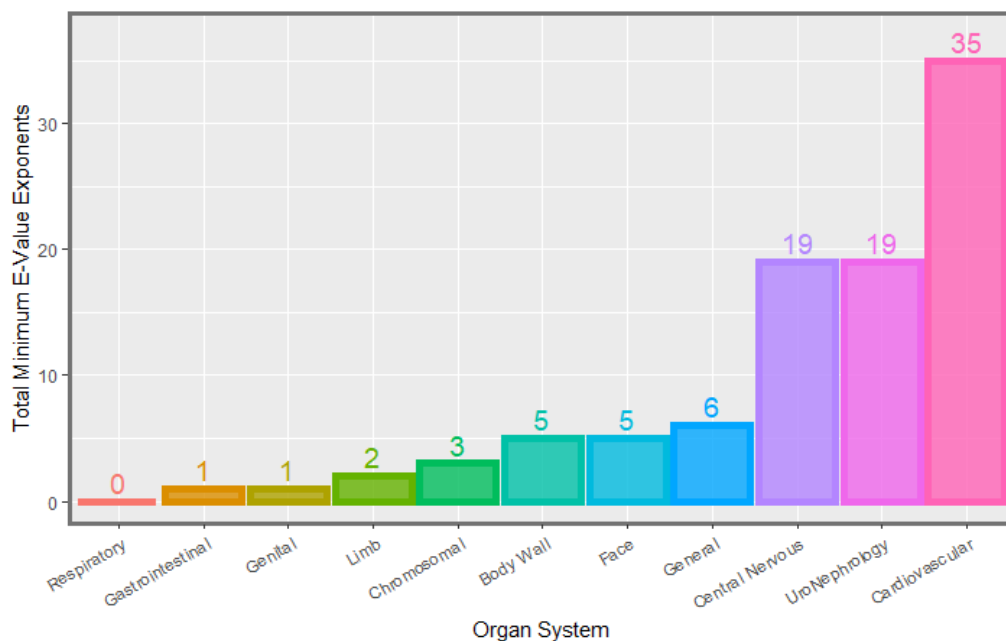
Number Anomalies by Organ System



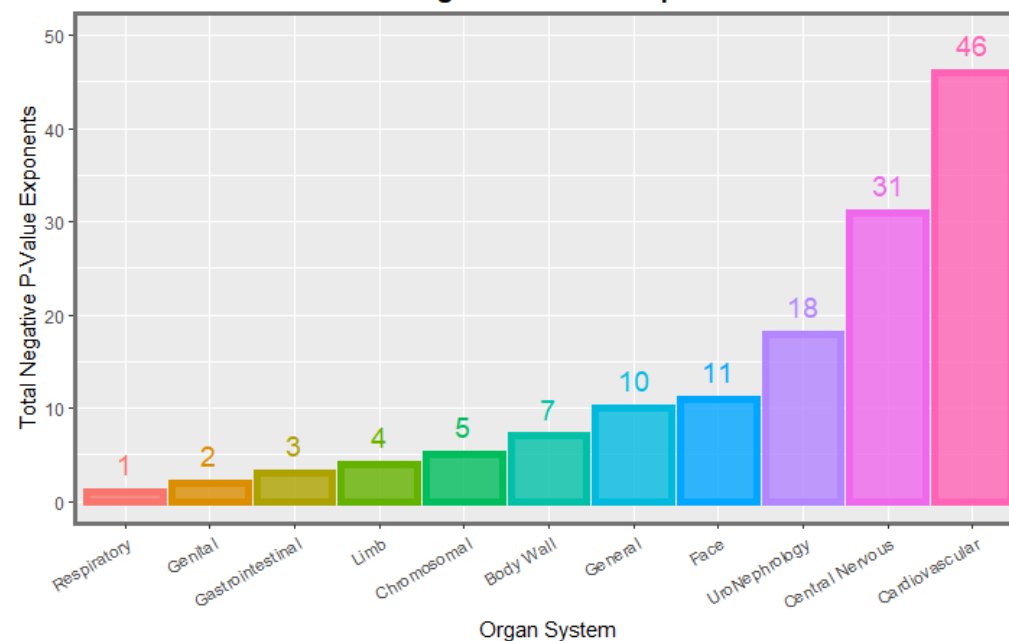
Percent Anomalies by Organ System



Total Minimum E-Values



Total Negative P-Value Exponents



SF51

