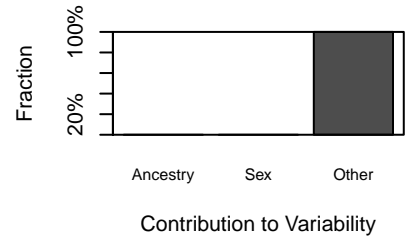
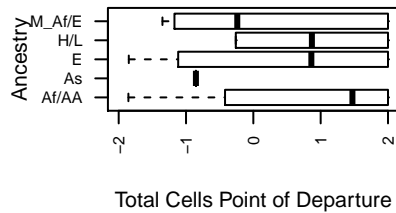
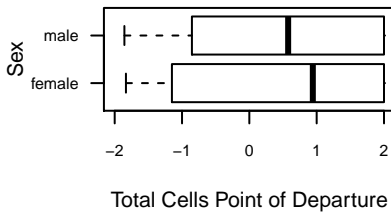
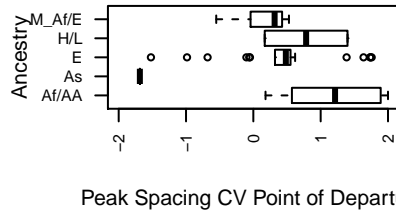
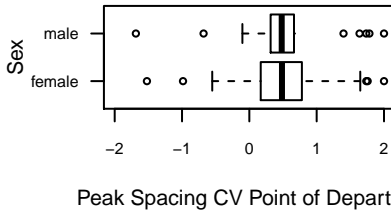
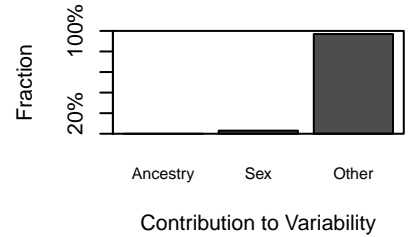
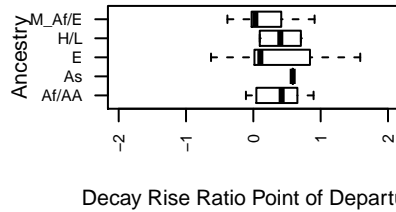
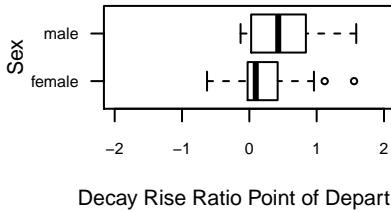
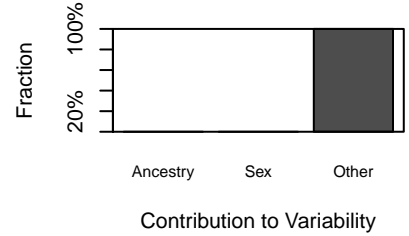
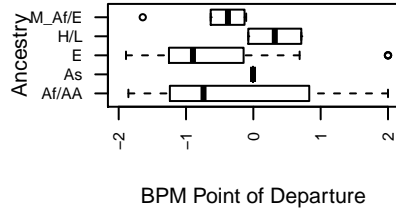
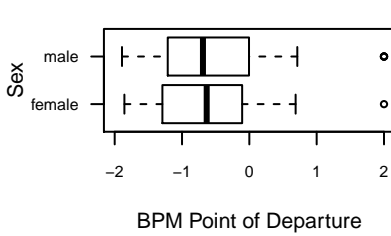
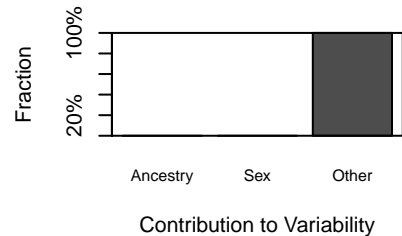
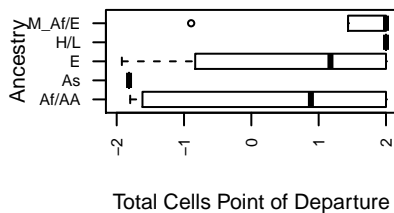
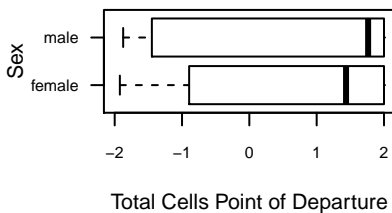
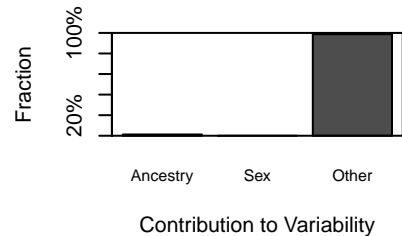
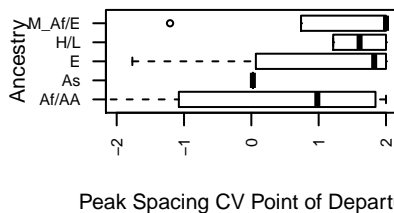
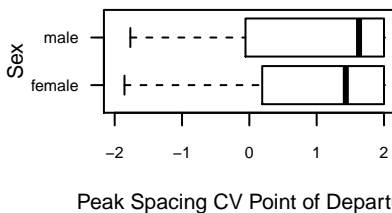
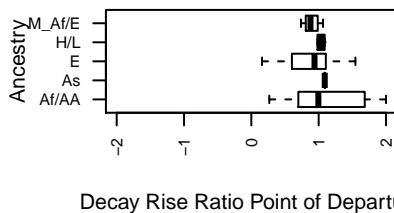
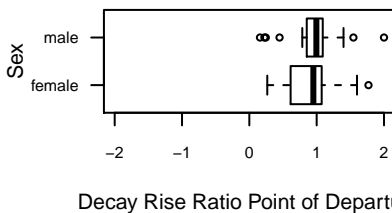
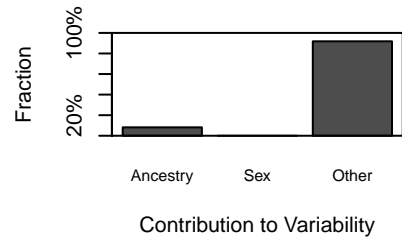
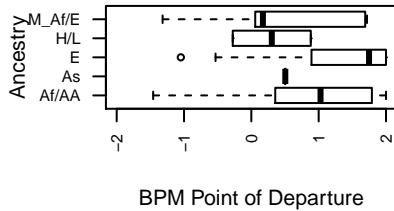
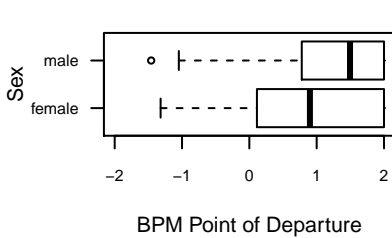


Supplemental Figure 6. Contributions of sex and ancestry to variation in points of departure. For each chemical, four phenotypes are displayed: Beats per Minute (BPM), Decay Rise Ratio, Peak Spacing Coefficient of Variation (CV), and Total Cells. For each phenotype, the left panel shows box plots of the points of departure (PODs) across donors separated by sex; middle panel shows box plots of the PODs across donors separated by ancestry (Af/AA = African or African American, As = Asian, E = European, H/L = Hispanic/Latino, M_Af/E = mixed African and European); the right panel shows the percent contribution of ancestry, sex, and residual variance to the overall variation in the PODs, based on linear mixed effects modeling. In the right panels, an asterisk “*” indicates the linear mixed effects model did not converge (occurred for <10% of chemicals/phenotypes).

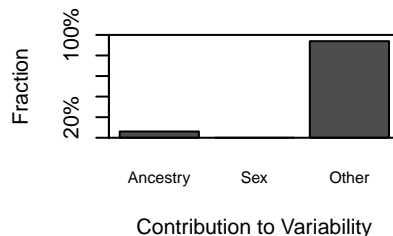
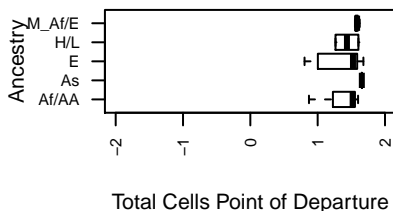
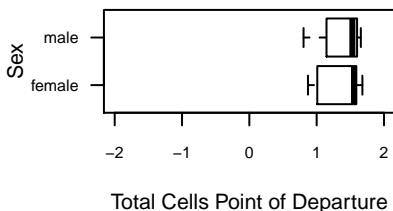
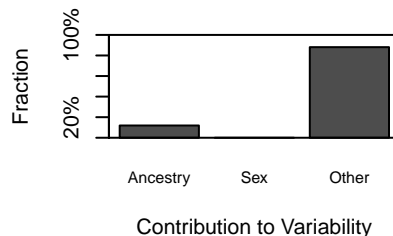
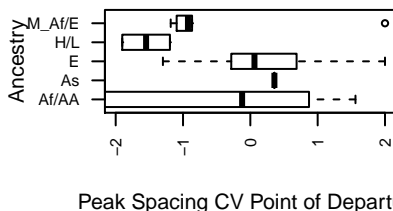
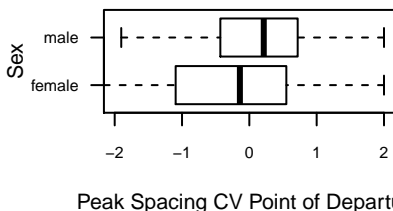
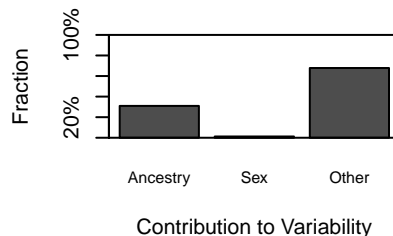
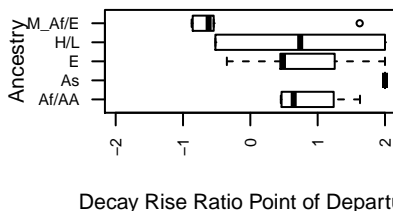
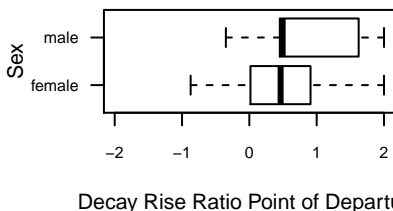
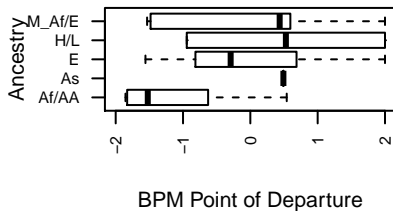
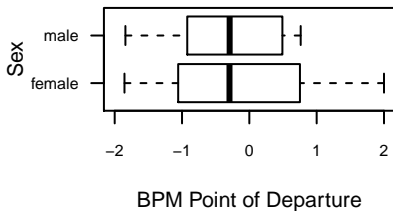
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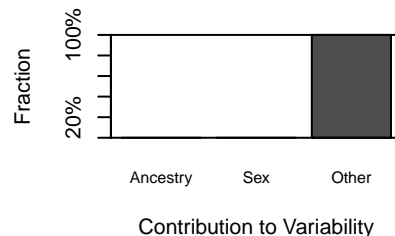
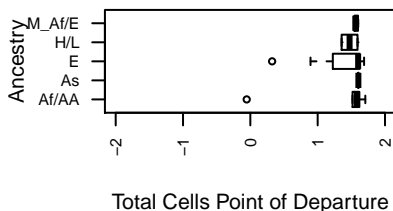
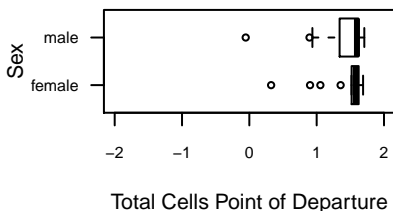
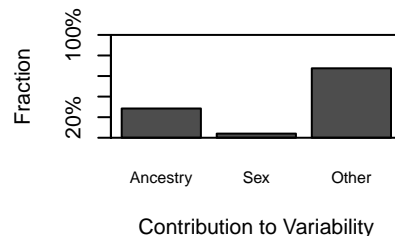
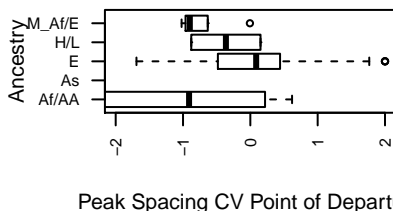
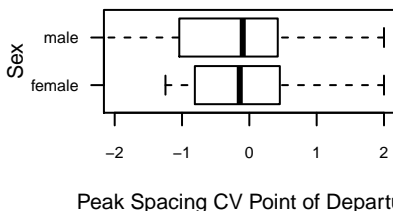
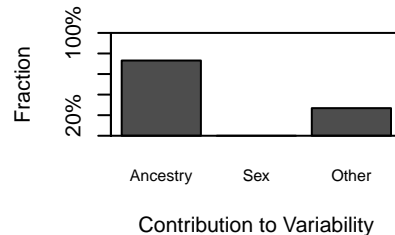
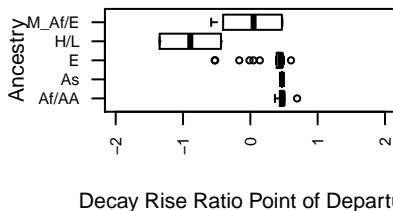
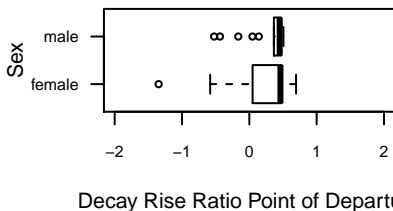
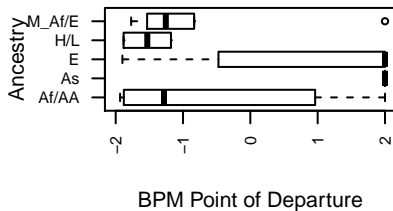
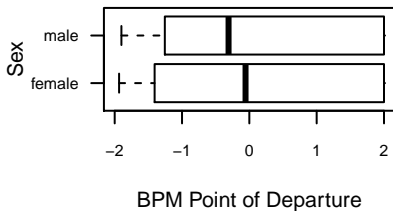
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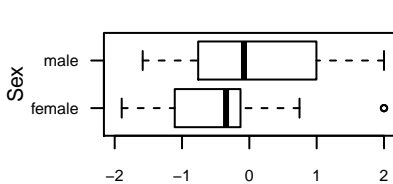
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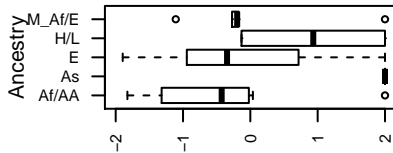
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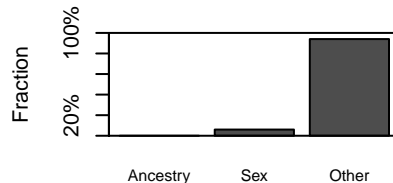
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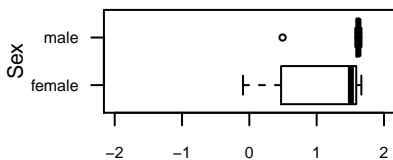
BPM Point of Departure



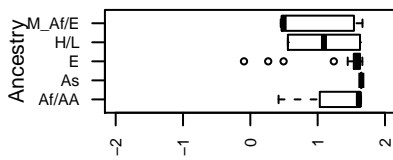
BPM Point of Departure



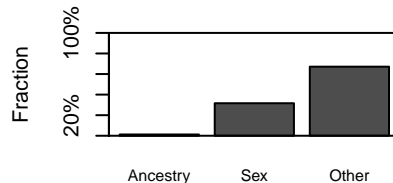
Contribution to Variability



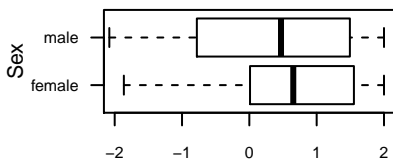
Decay Rise Ratio Point of Departure



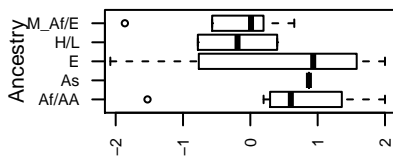
Decay Rise Ratio Point of Departure



Contribution to Variability



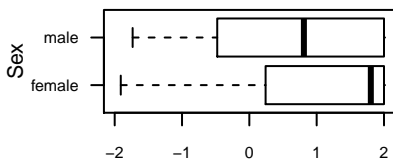
Peak Spacing CV Point of Departure



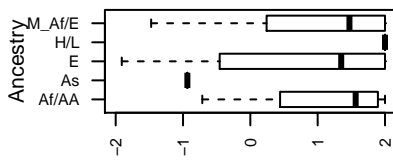
Peak Spacing CV Point of Departure



Contribution to Variability



Total Cells Point of Departure

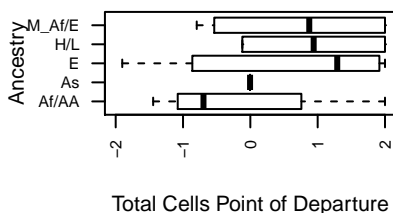
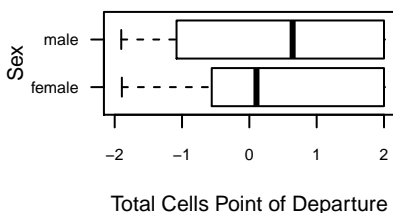
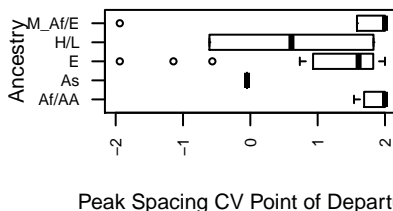
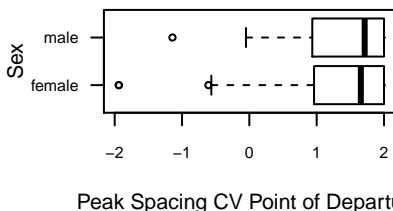
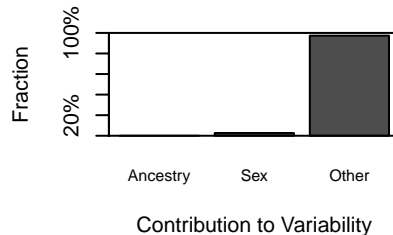
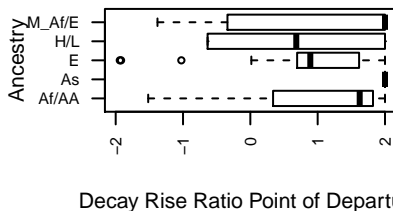
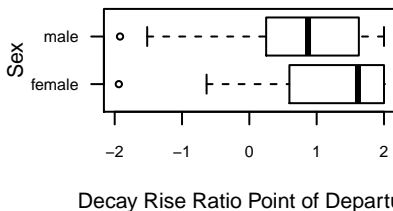
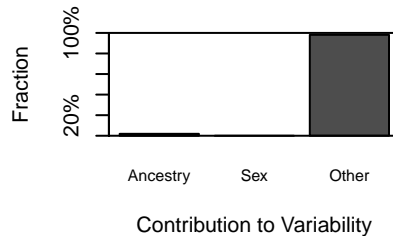
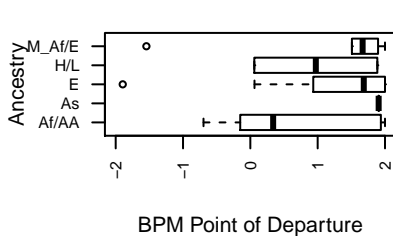
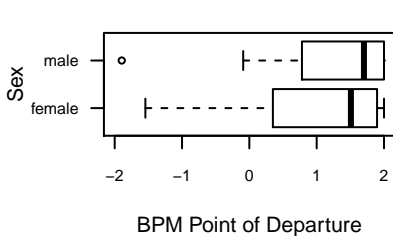


Total Cells Point of Departure

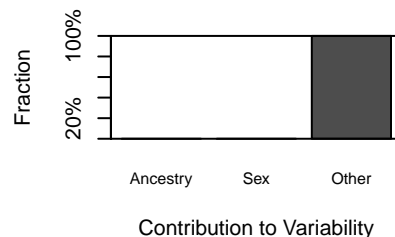
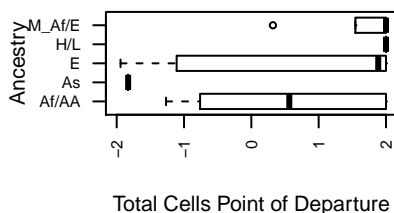
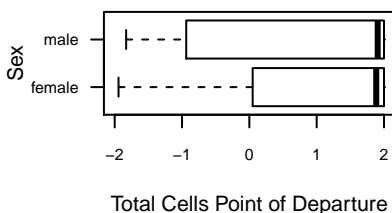
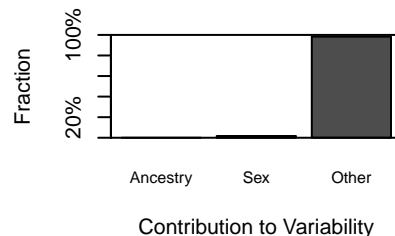
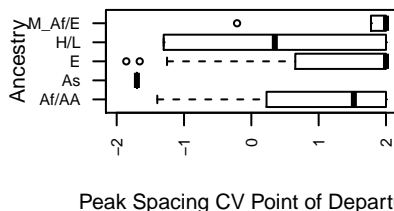
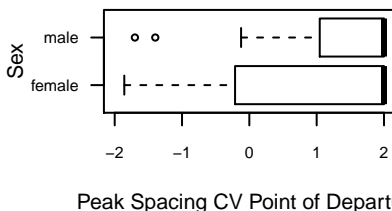
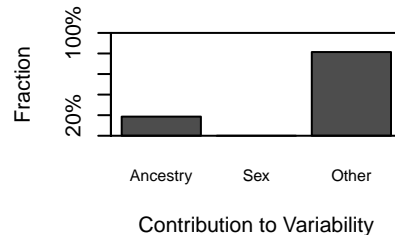
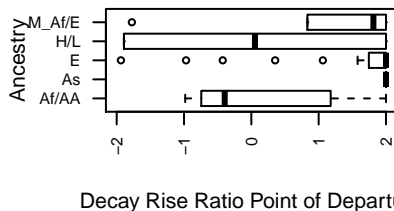
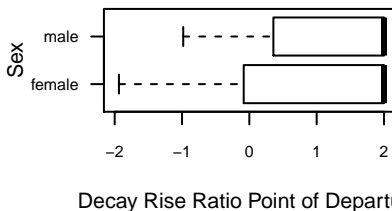
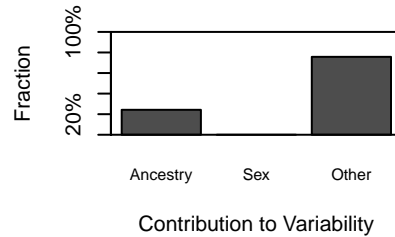
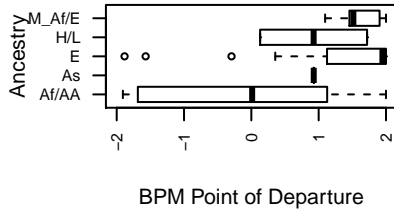
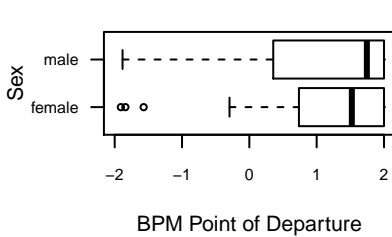


Contribution to Variability

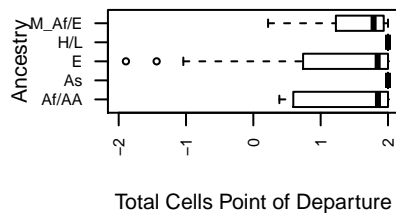
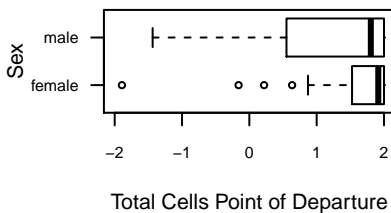
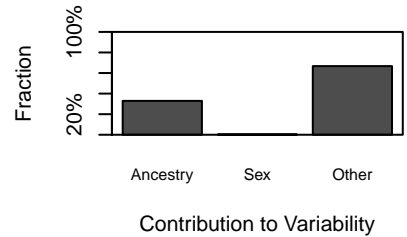
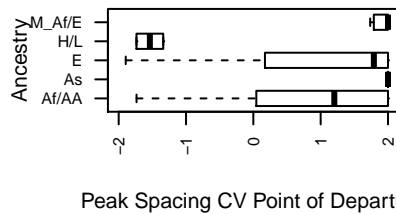
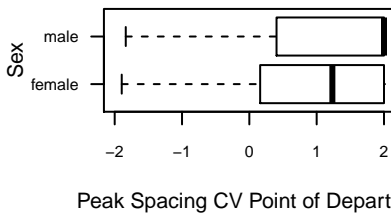
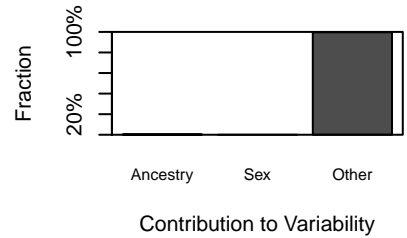
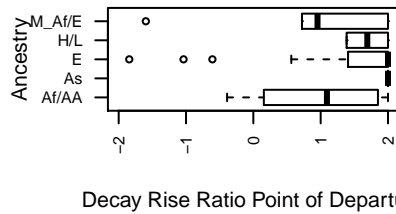
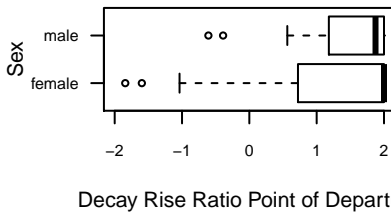
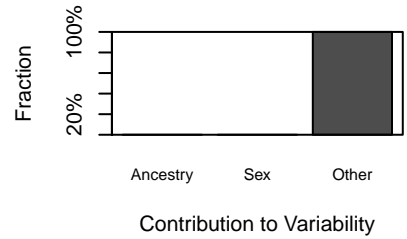
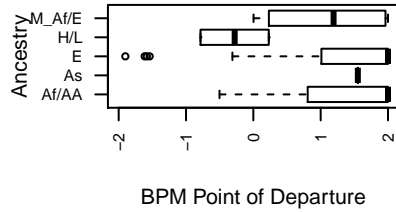
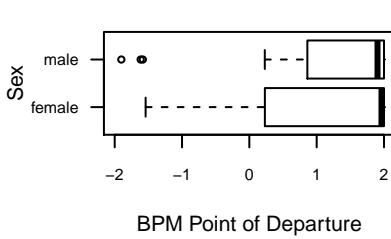
disopyramide_phosphate 6



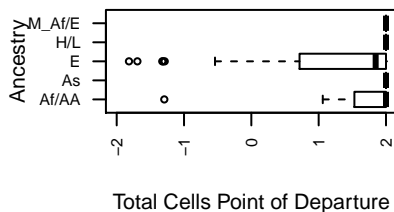
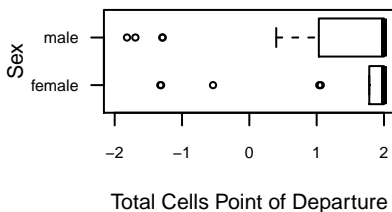
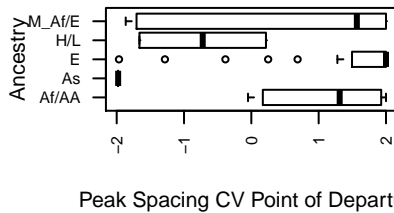
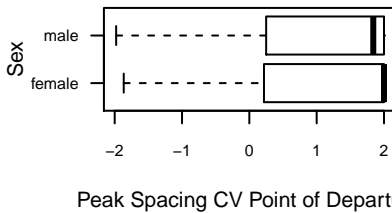
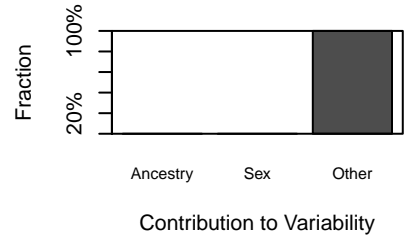
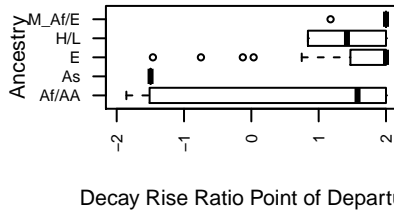
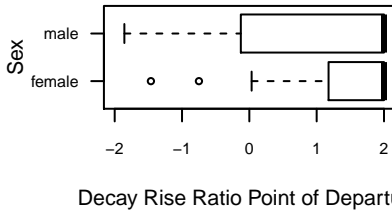
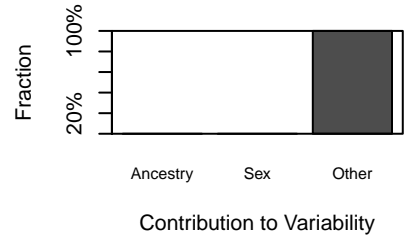
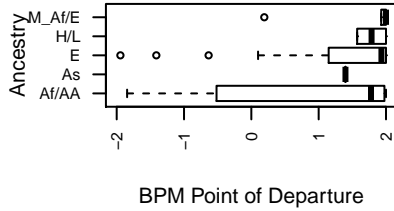
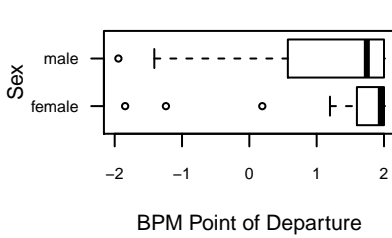
Tartaric_acid 7



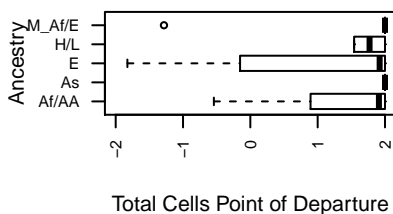
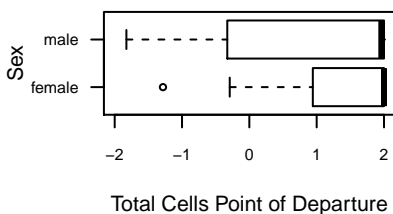
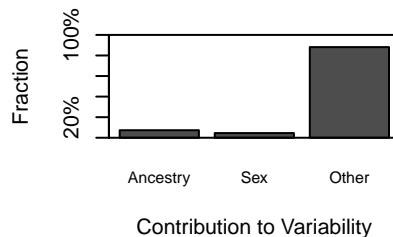
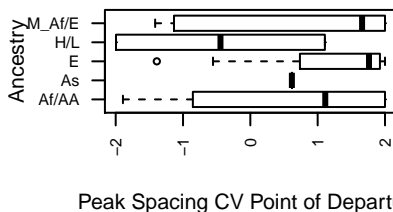
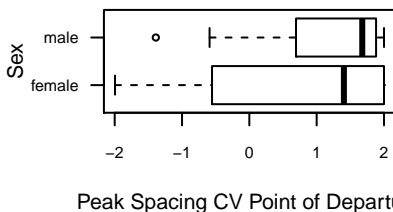
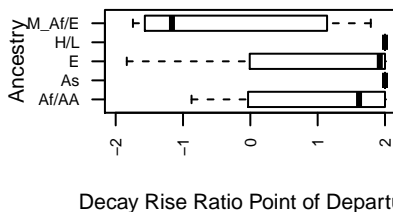
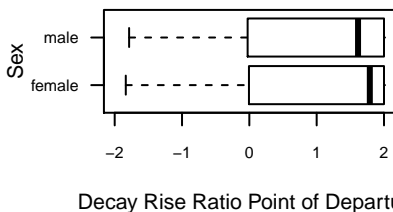
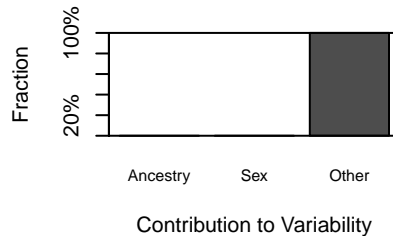
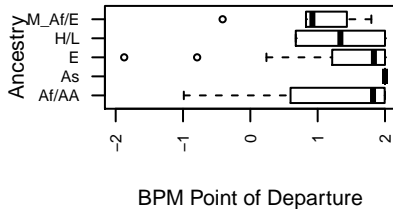
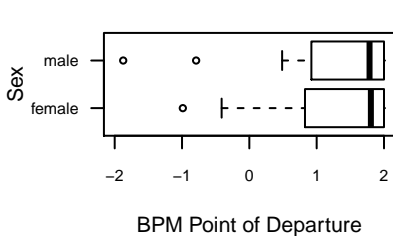
Glucono-d-lactone 8



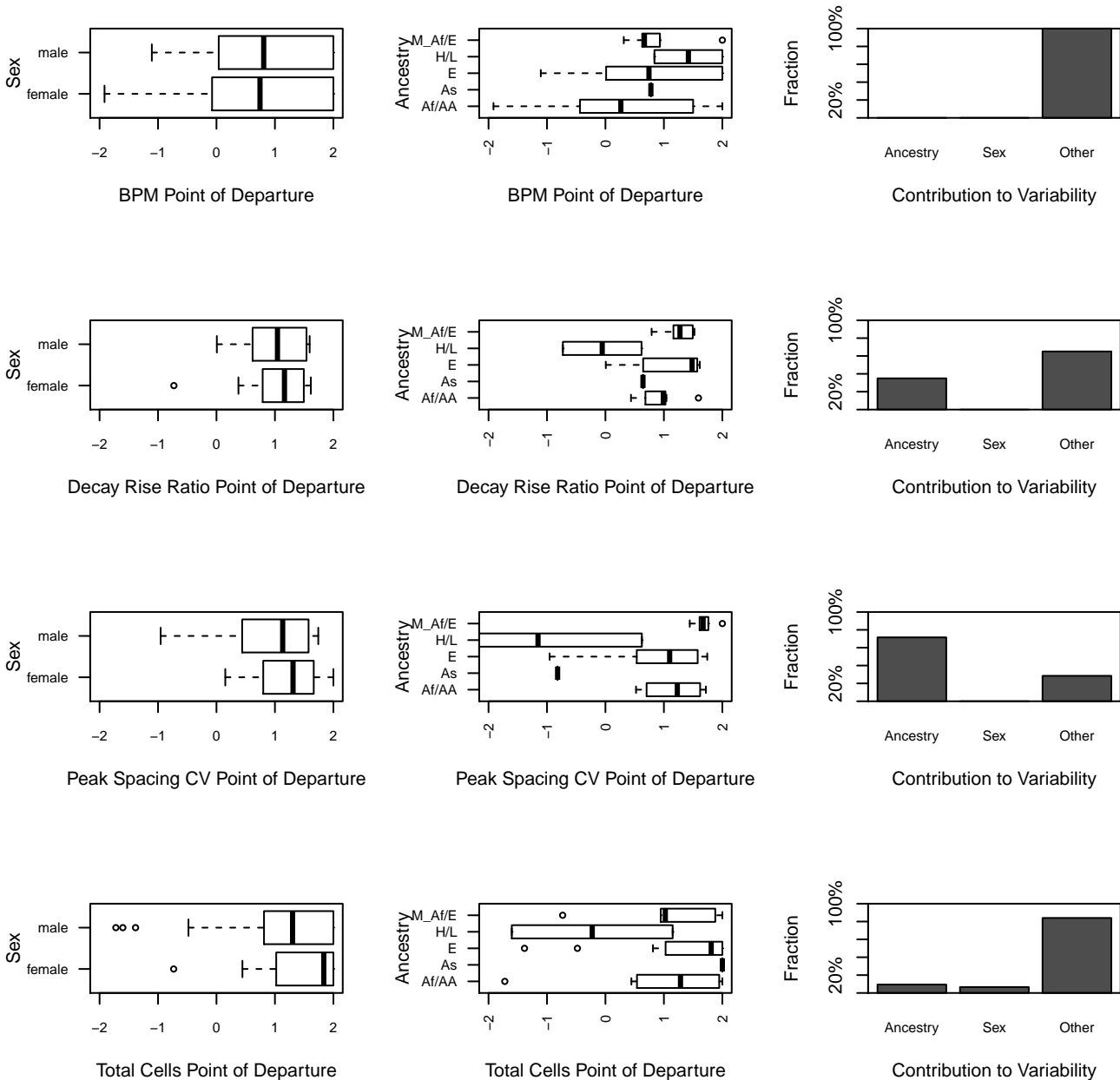
Xylitol 9



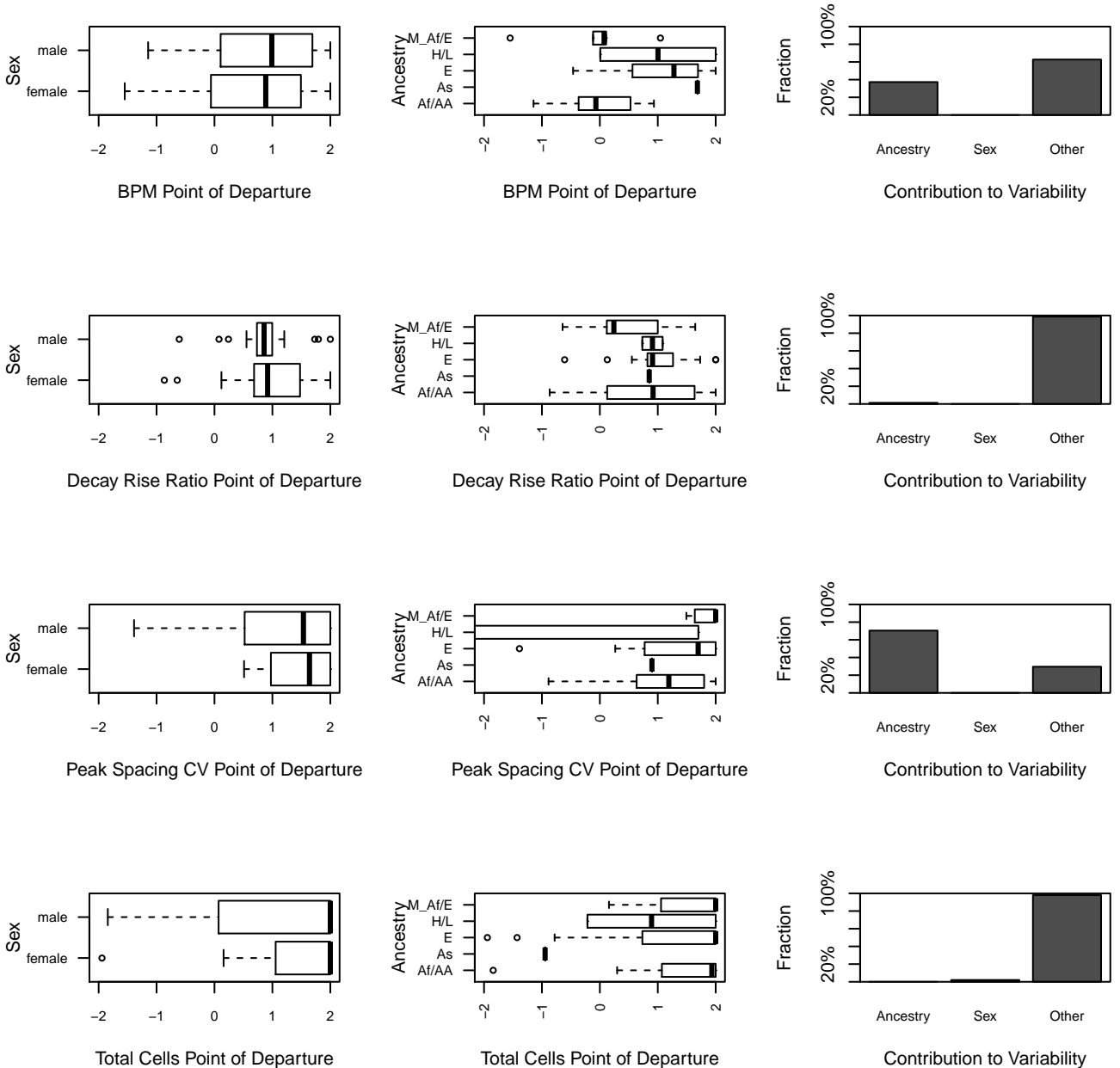
Leucine 10



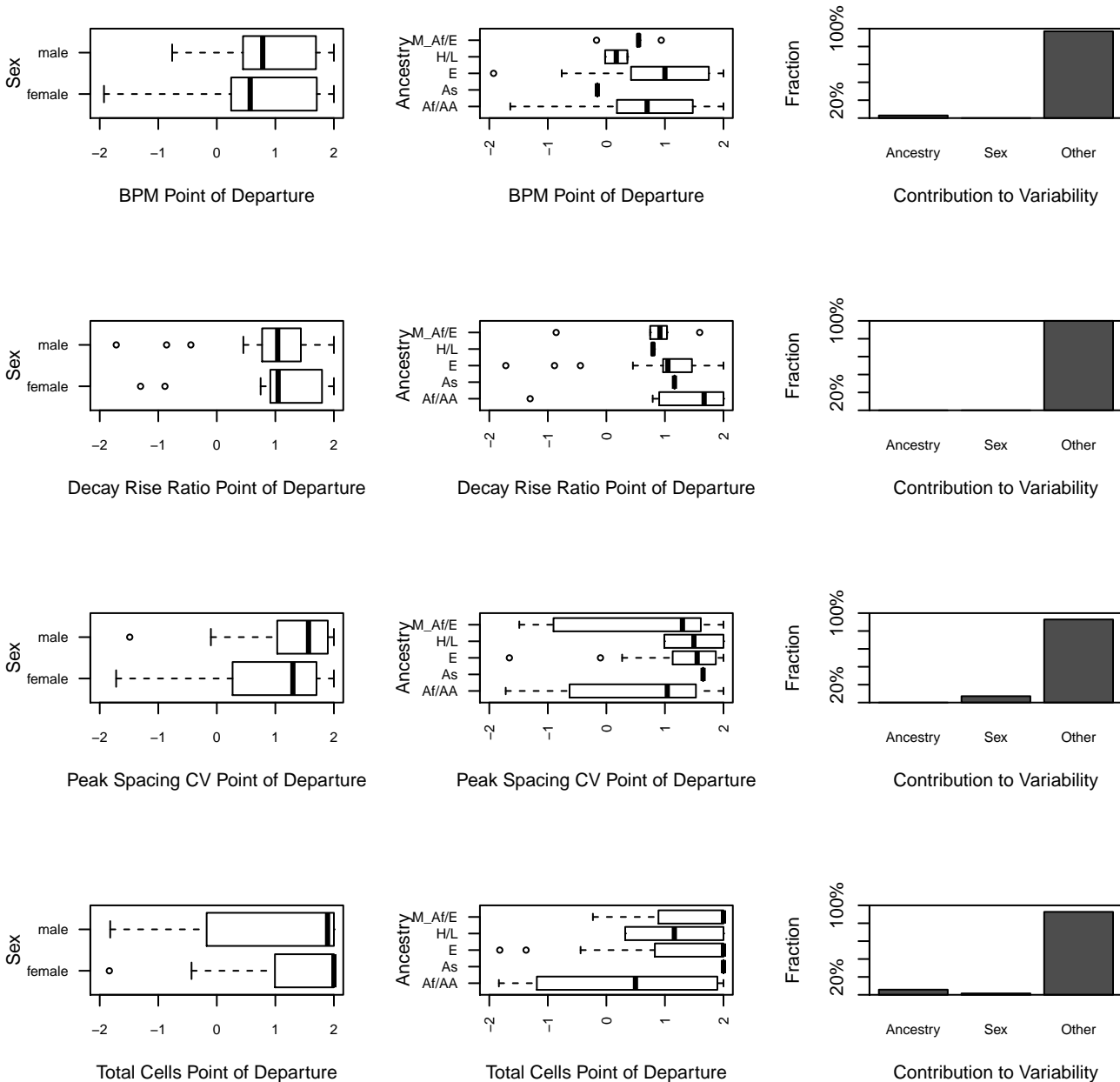
3,4-Dichlorophenyl_isocyanate 11



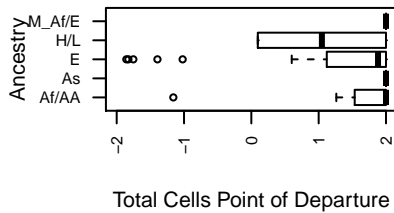
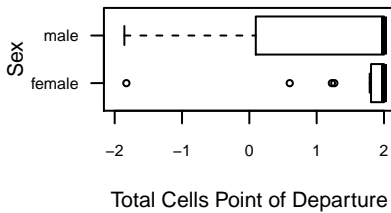
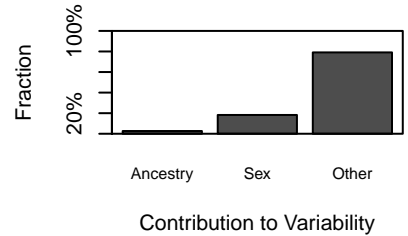
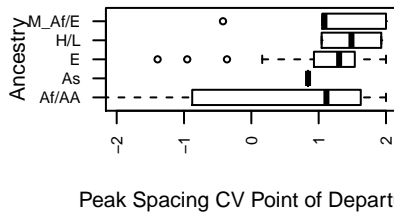
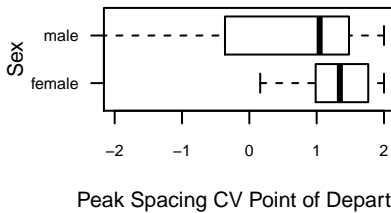
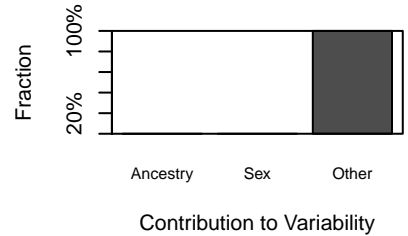
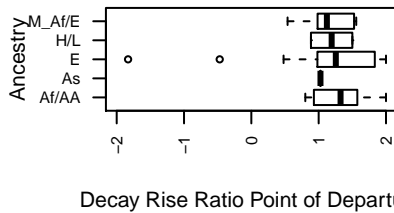
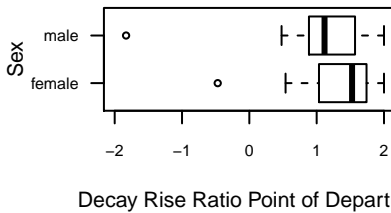
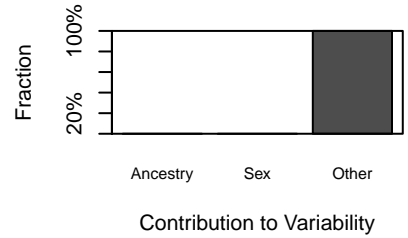
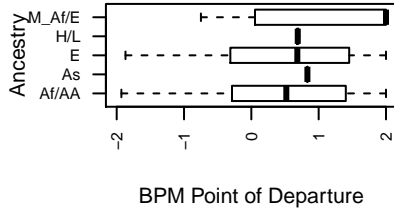
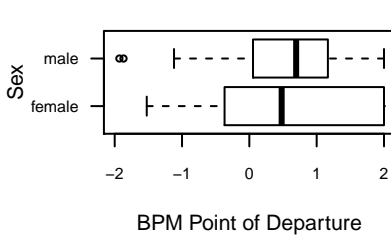
vernacalant 12



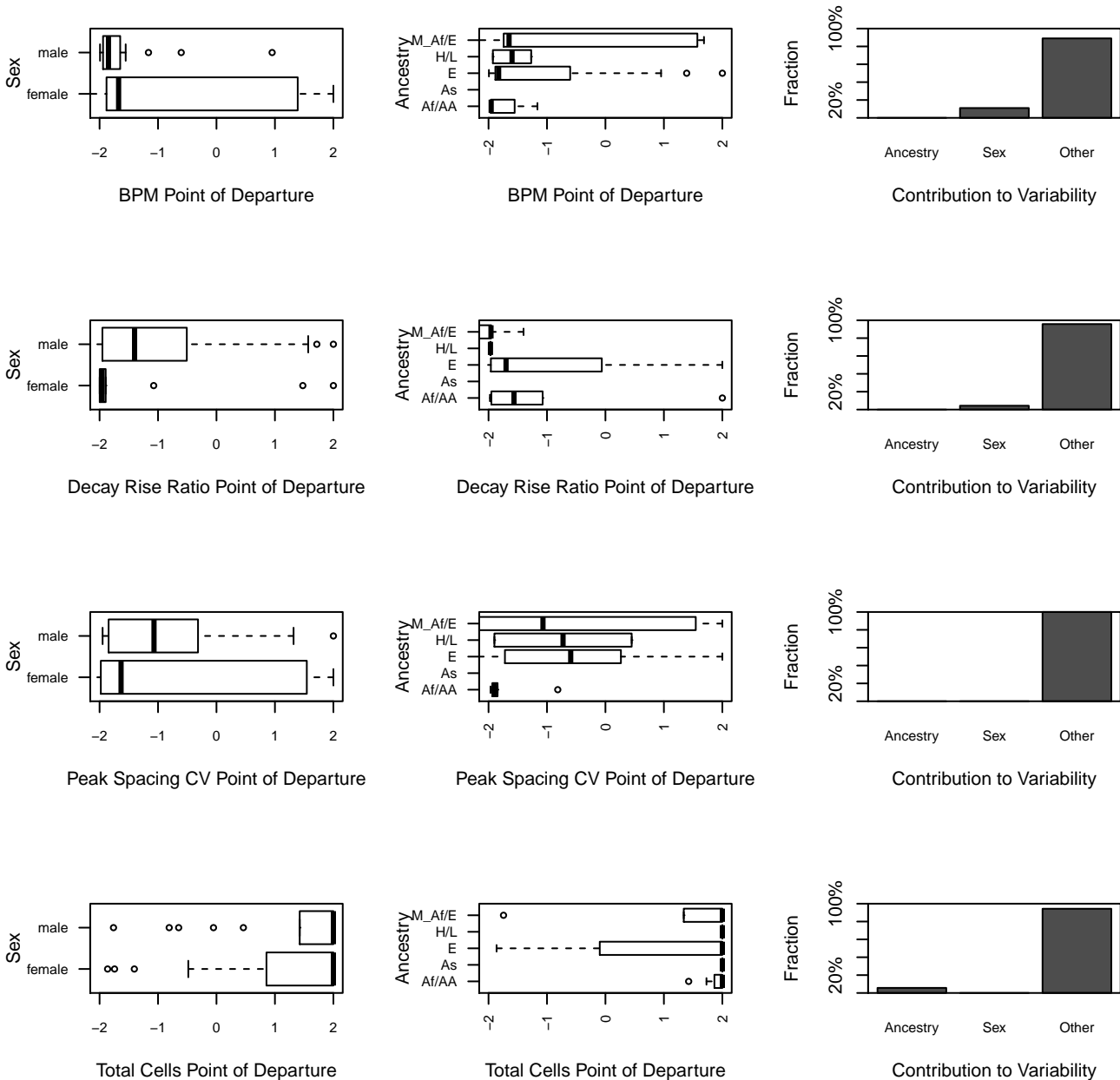
1-Methyl-Alpha-Ionone 13



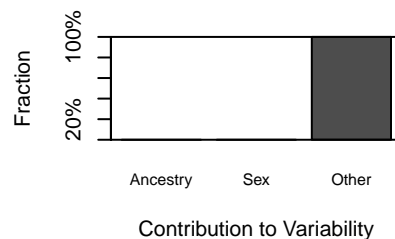
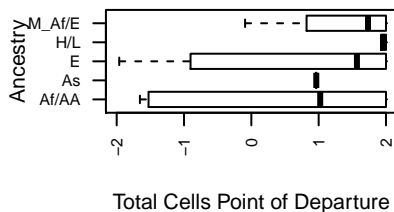
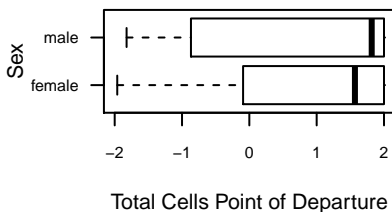
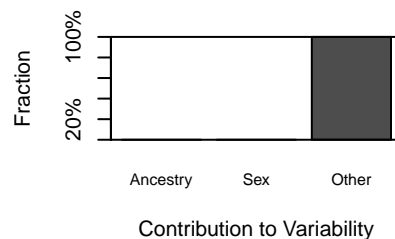
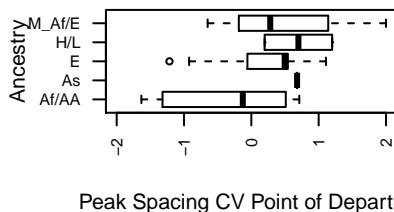
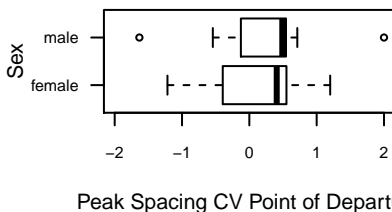
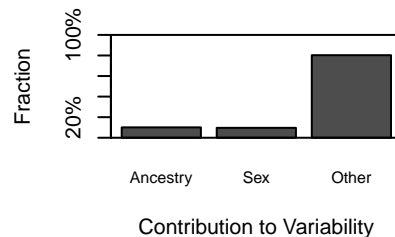
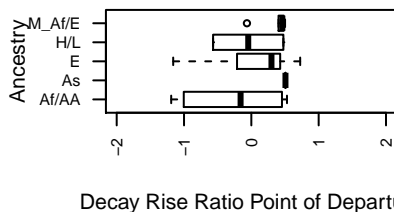
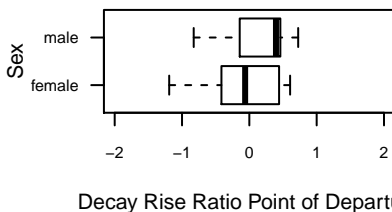
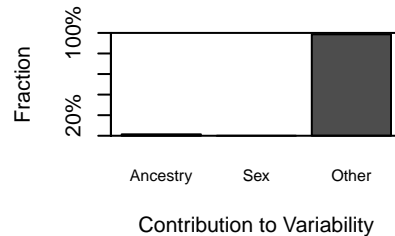
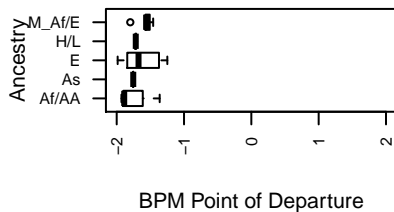
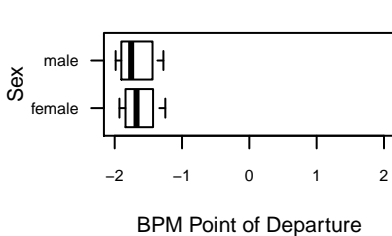
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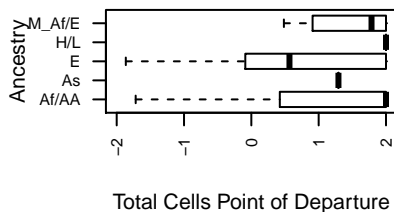
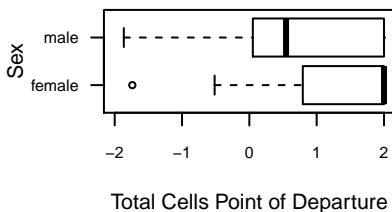
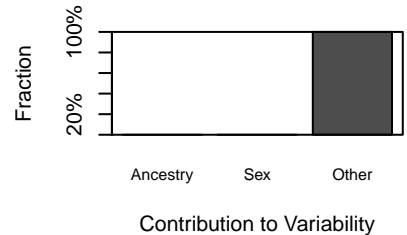
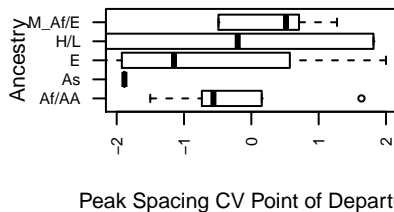
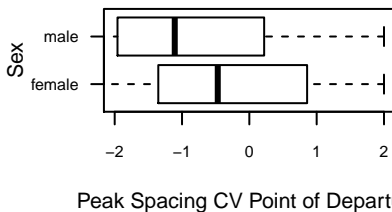
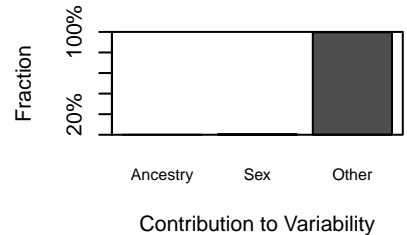
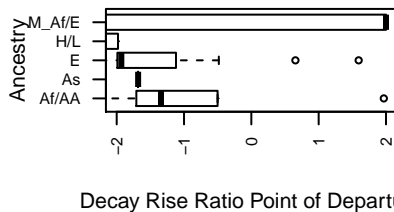
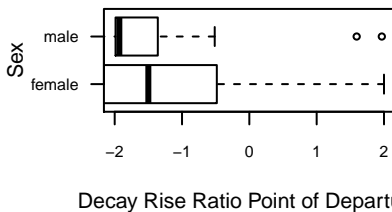
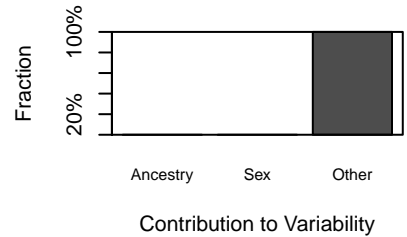
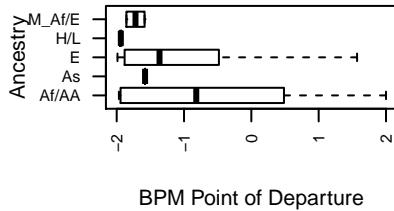
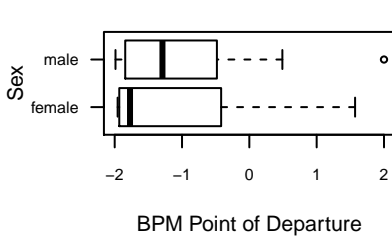
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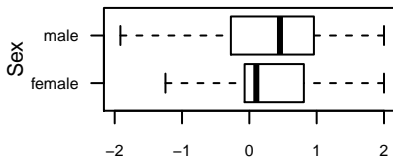
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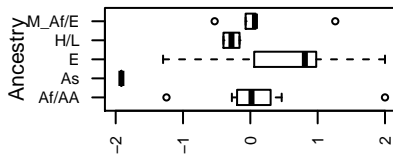
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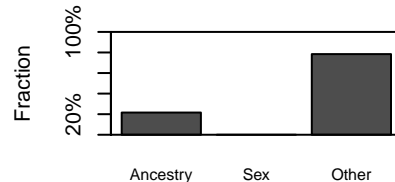
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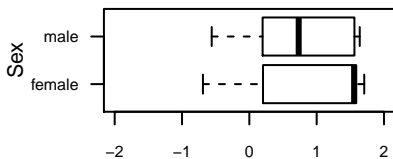
BPM Point of Departure



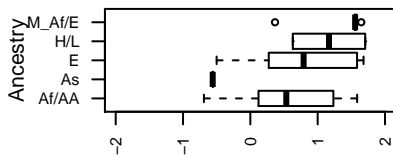
BPM Point of Departure



Contribution to Variability



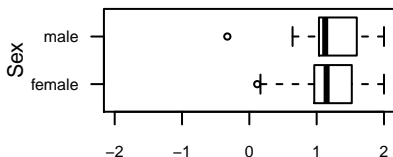
Decay Rise Ratio Point of Departure



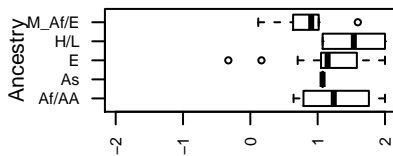
Decay Rise Ratio Point of Departure



Contribution to Variability



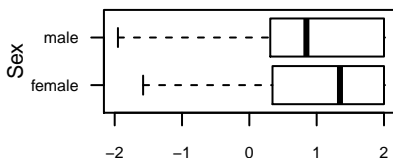
Peak Spacing CV Point of Departure



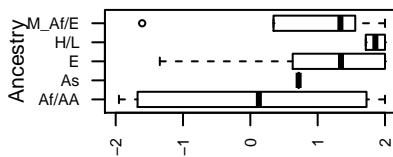
Peak Spacing CV Point of Departure



Contribution to Variability



Total Cells Point of Departure

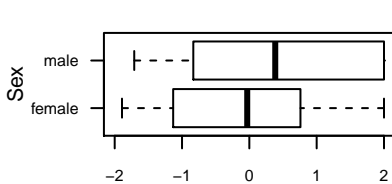


Total Cells Point of Departure

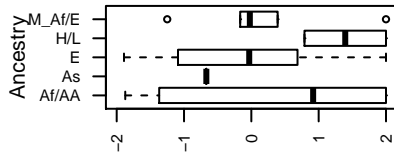


Contribution to Variability

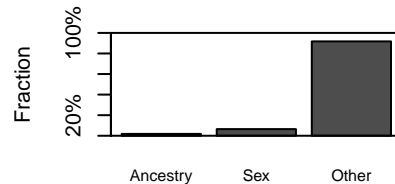
loratadine 19



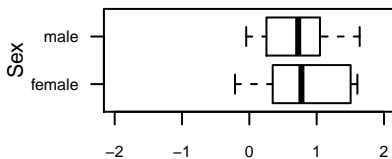
BPM Point of Departure



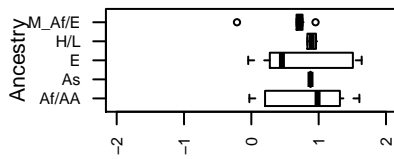
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Contribution to Variability



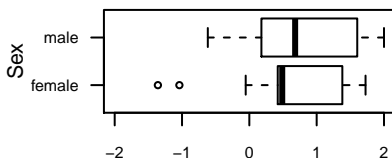
Decay Rise Ratio Point of Departure



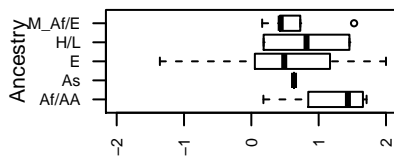
Decay Rise Ratio Point of Departure



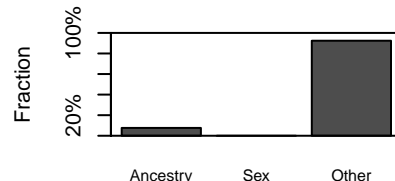
Contribution to Variability



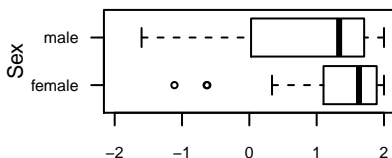
Peak Spacing CV Point of Departure



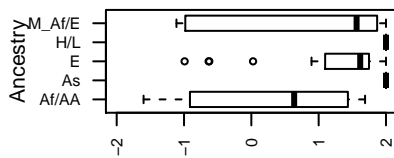
Peak Spacing CV Point of Departure



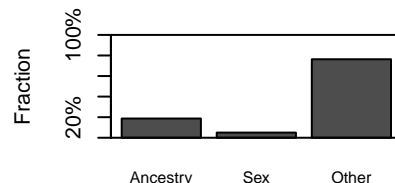
Contribution to Variability



Total Cells Point of Departure

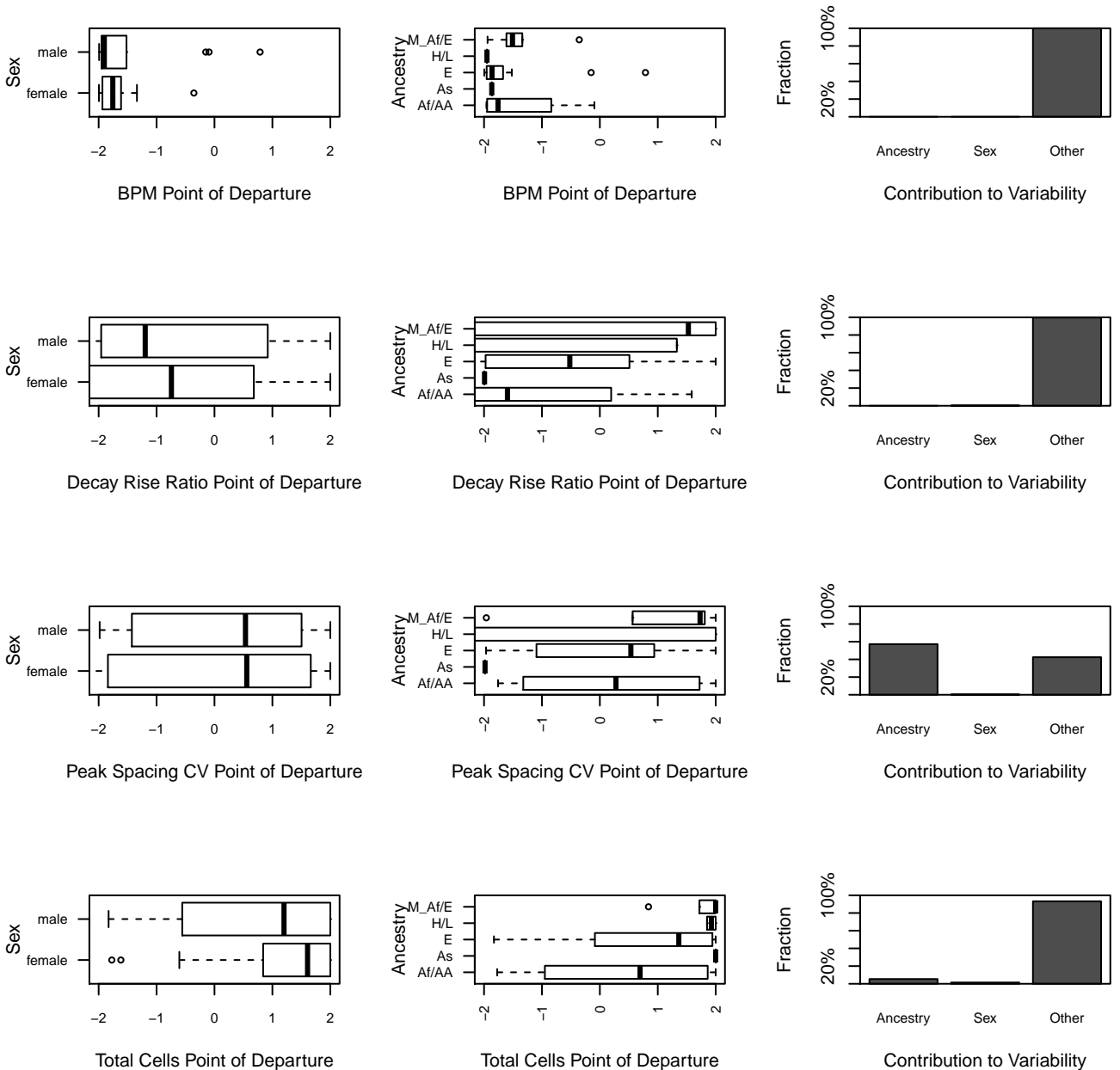


Total Cells Point of Departure

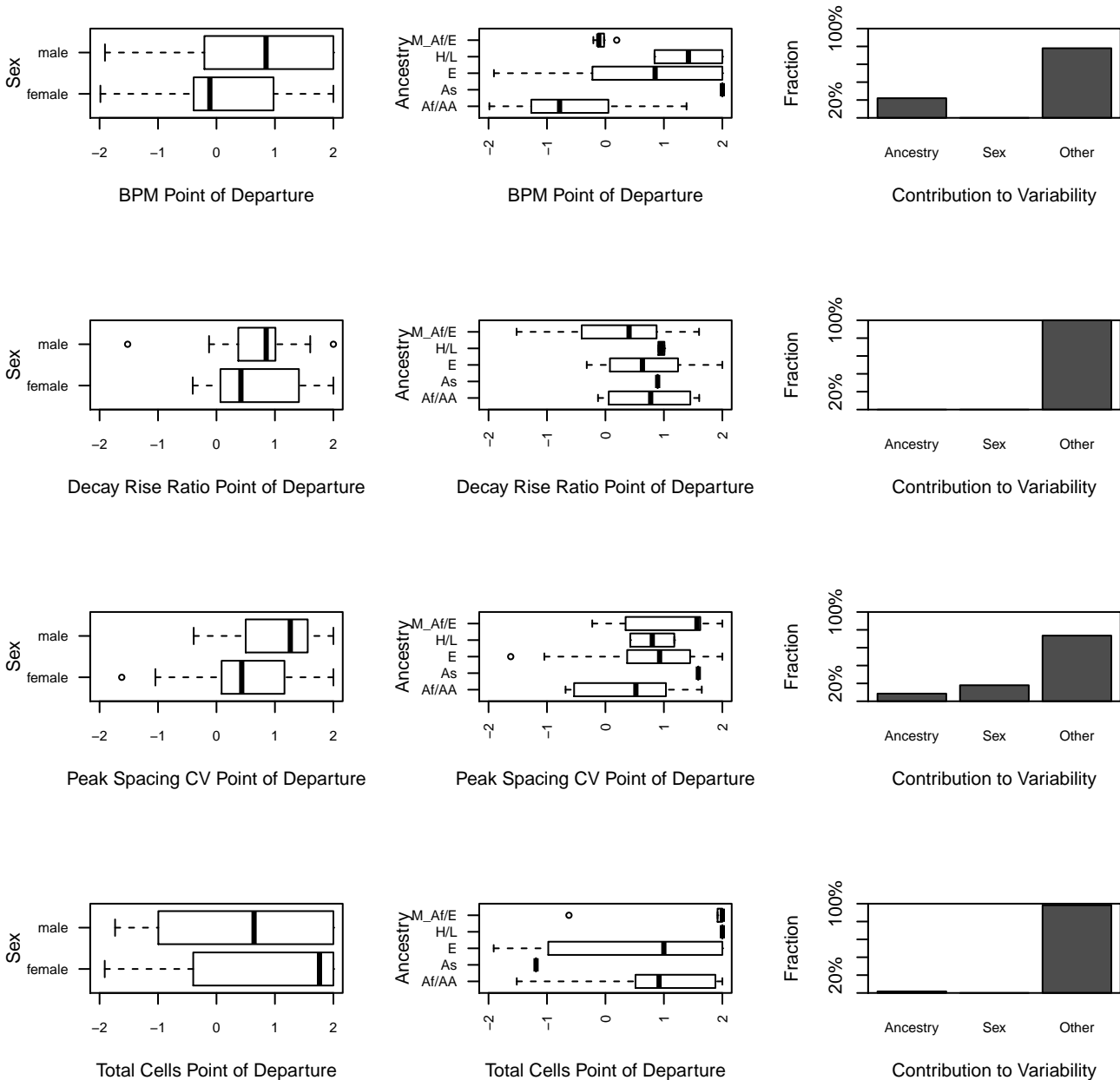


Contribution to Variability

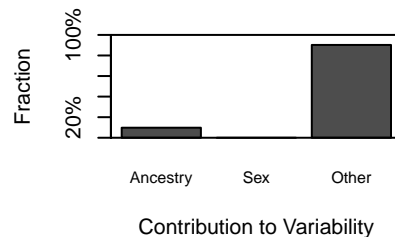
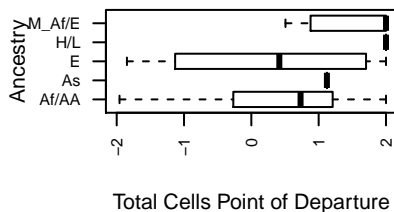
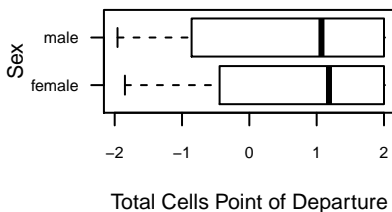
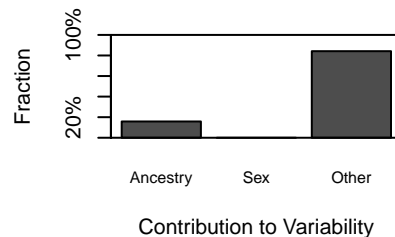
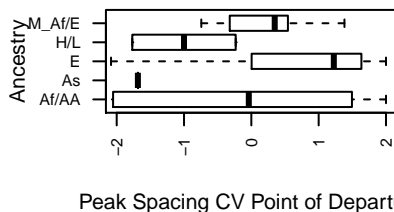
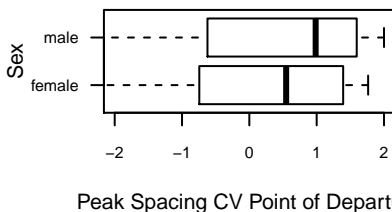
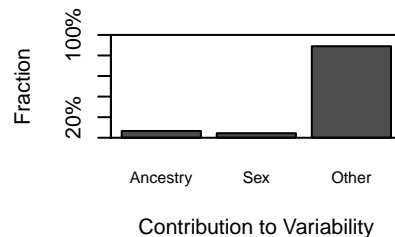
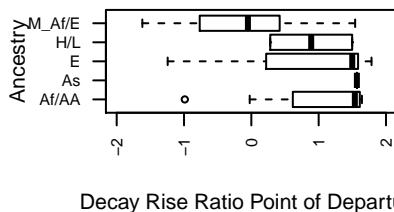
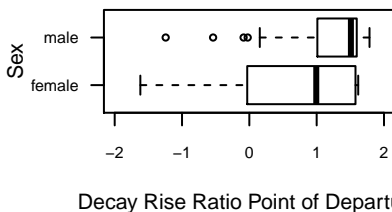
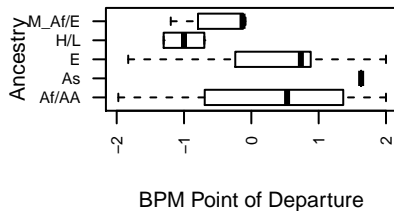
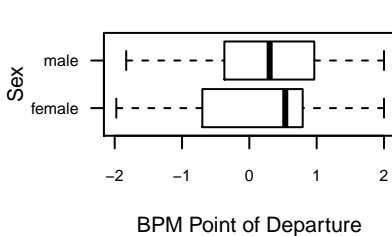
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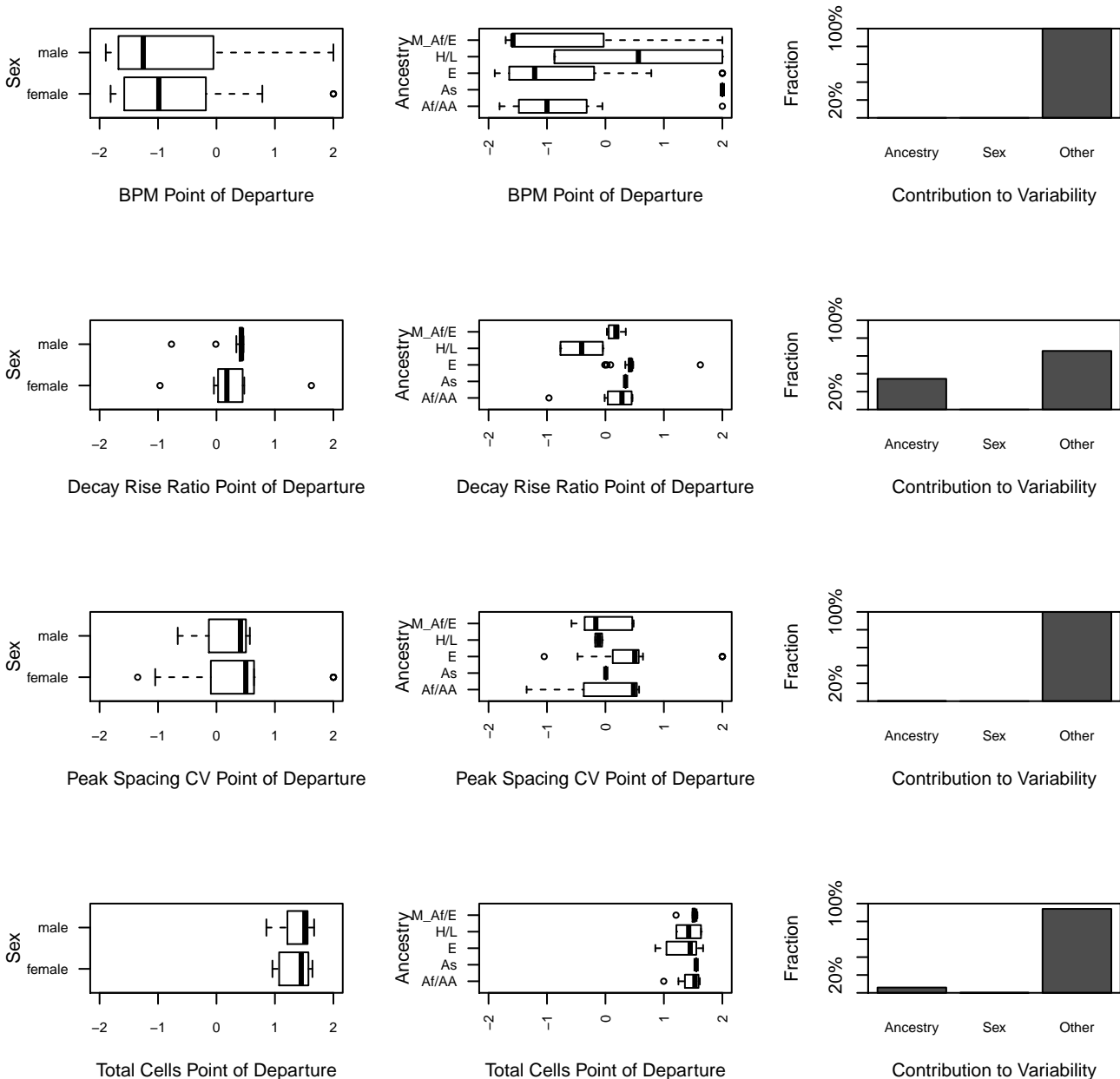
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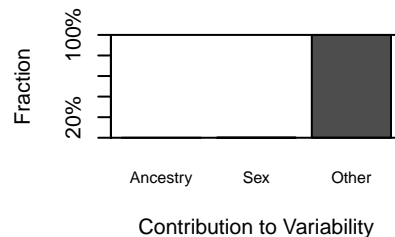
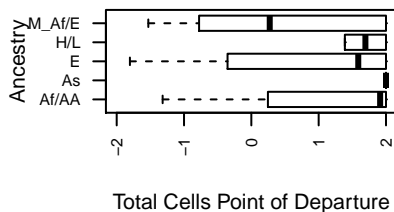
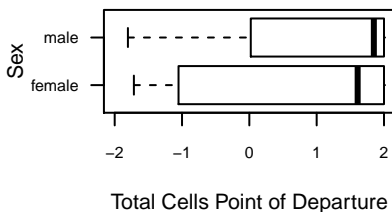
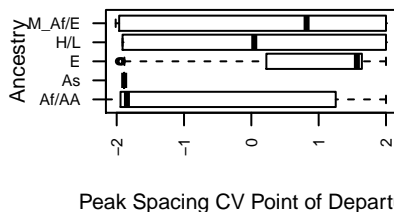
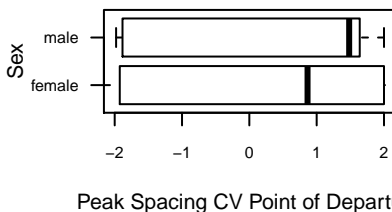
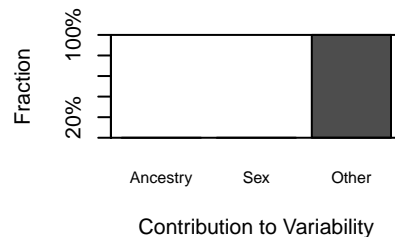
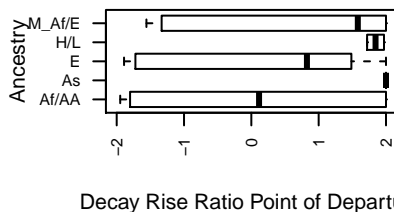
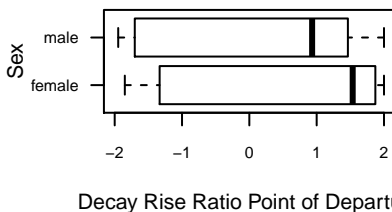
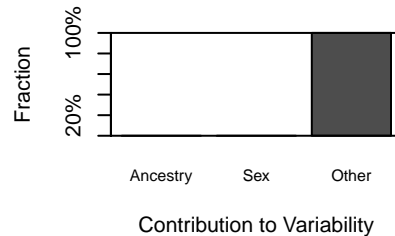
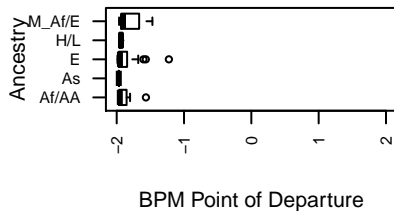
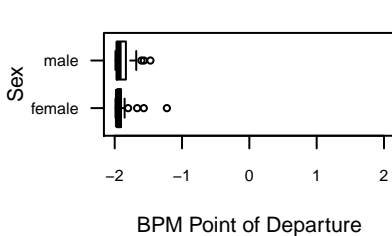
Quinine.HCl.2H2O 22



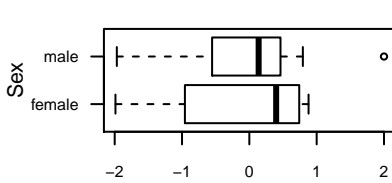
chlorpromazine_Hydrochloride 23



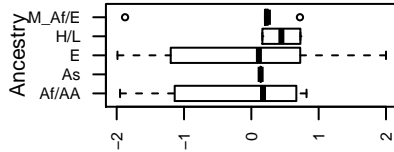
Isoproterenol 24



Nifedipine 25



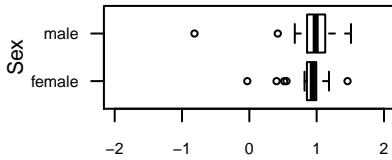
BPM Point of Departure



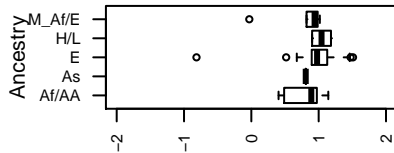
BPM Point of Departure



Contribution to Variability



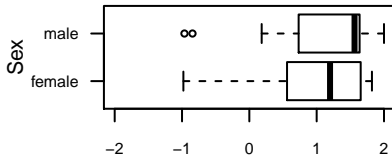
Decay Rise Ratio Point of Departure



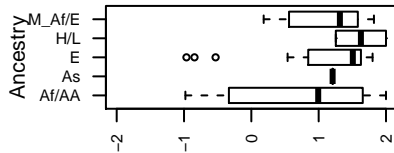
Decay Rise Ratio Point of Departure



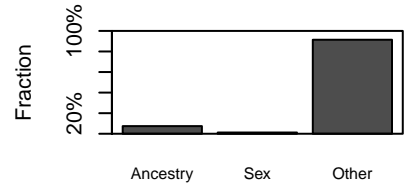
Contribution to Variability



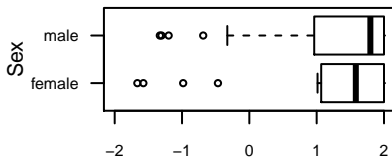
Peak Spacing CV Point of Departure



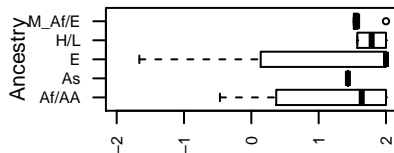
Peak Spacing CV Point of Departure



Contribution to Variability



Total Cells Point of Departure

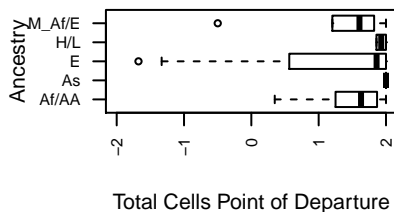
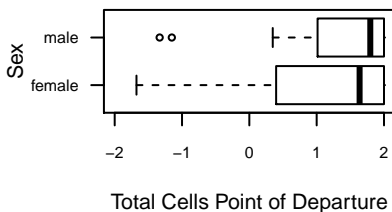
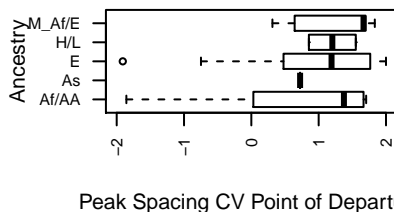
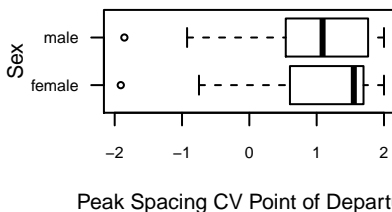
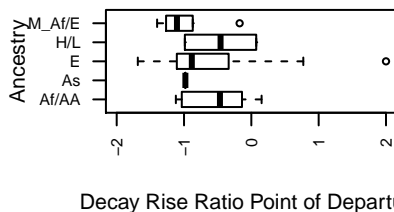
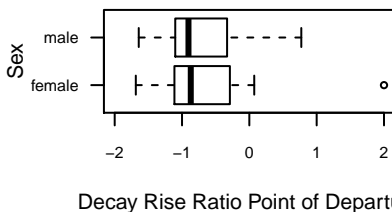
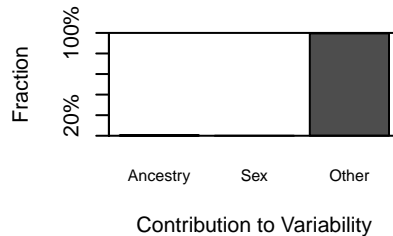
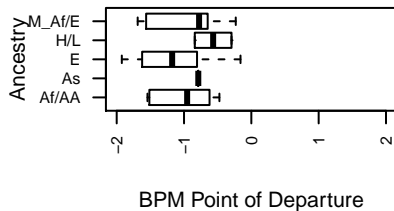
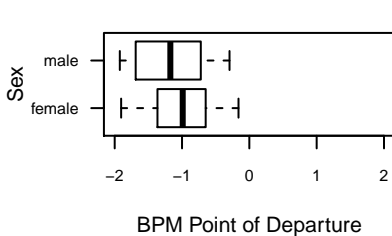


Total Cells Point of Departure

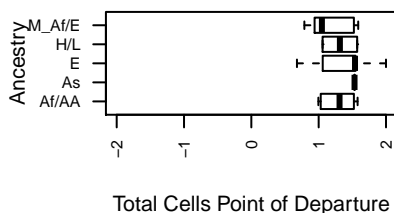
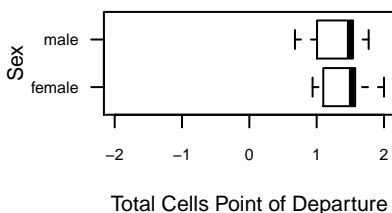
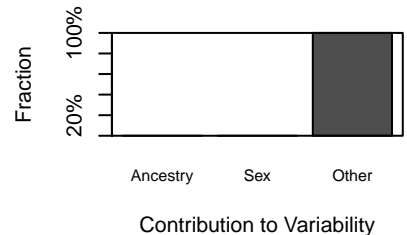
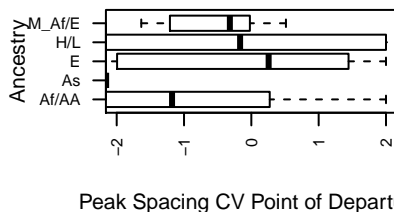
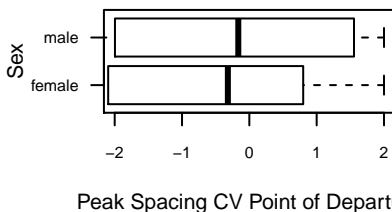
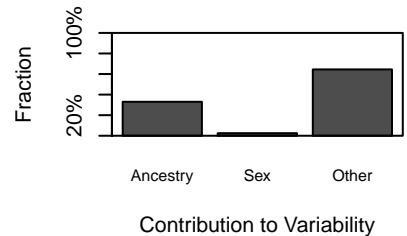
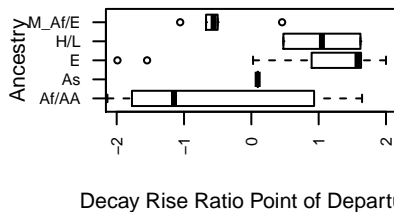
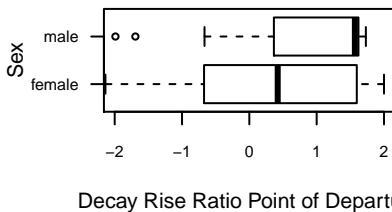
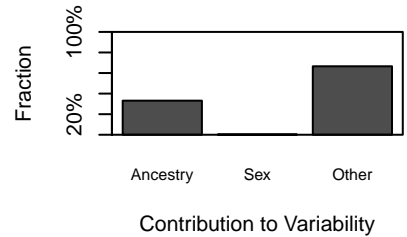
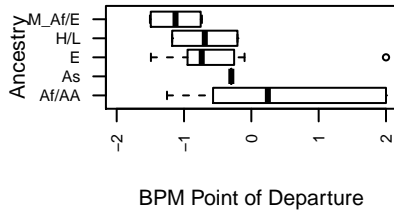
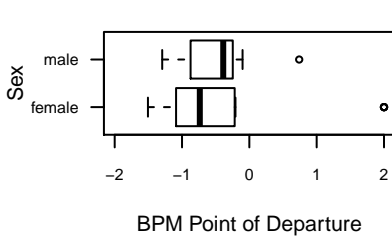


Contribution to Variability

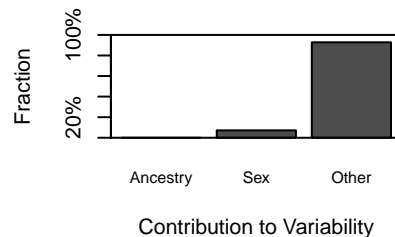
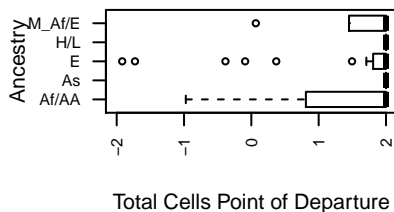
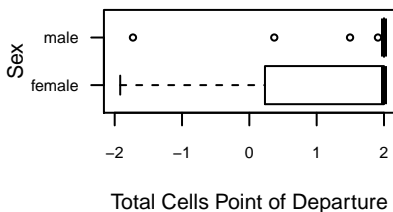
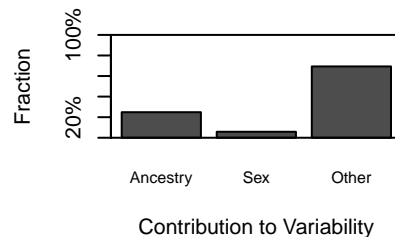
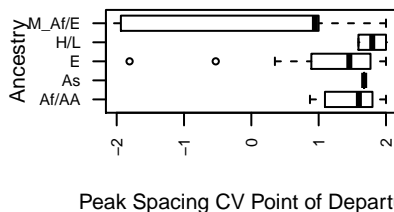
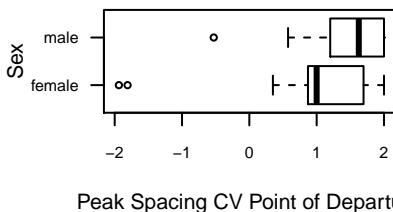
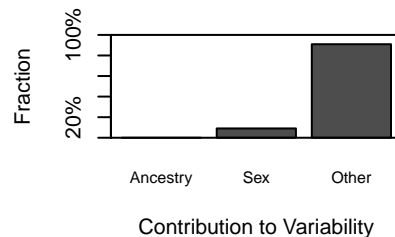
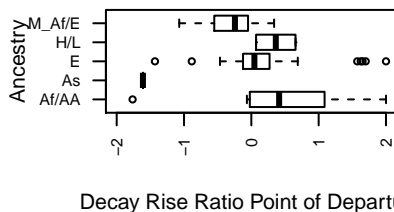
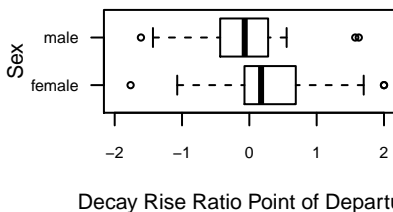
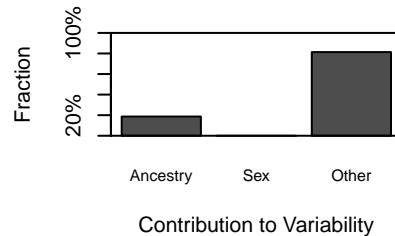
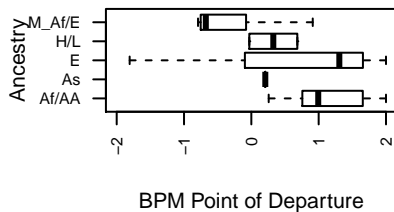
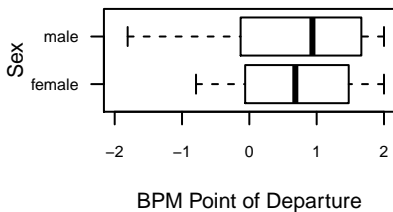
Azithromycin 26



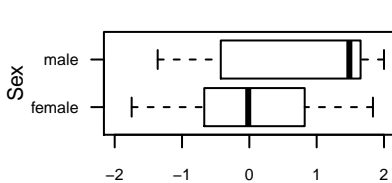
Propranolol 27



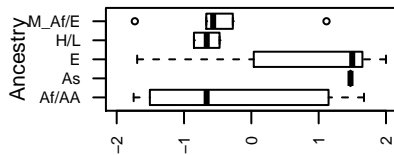
sotalol_hydrochloride 28



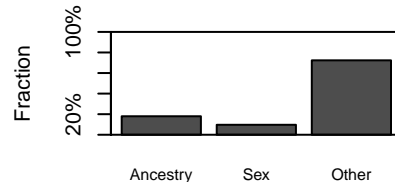
Sotalol 29



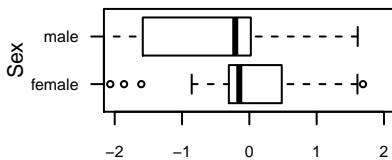
BPM Point of Departure



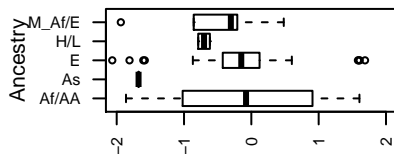
BPM Point of Departure



Contribution to Variability



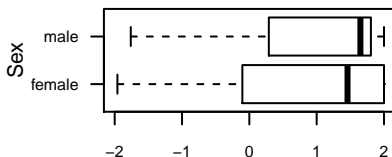
Decay Rise Ratio Point of Departure



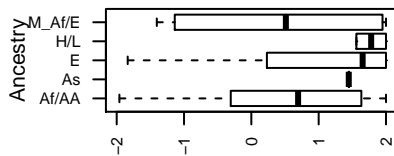
Decay Rise Ratio Point of Departure



Contribution to Variability



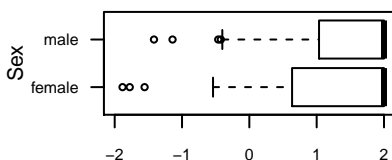
Peak Spacing CV Point of Departure



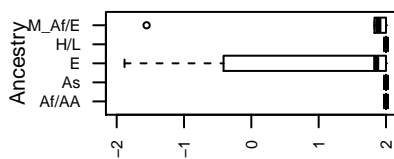
Peak Spacing CV Point of Departure



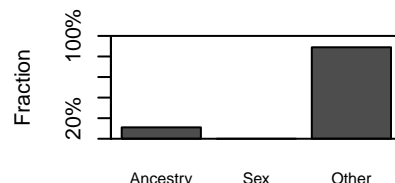
Contribution to Variability



Total Cells Point of Departure

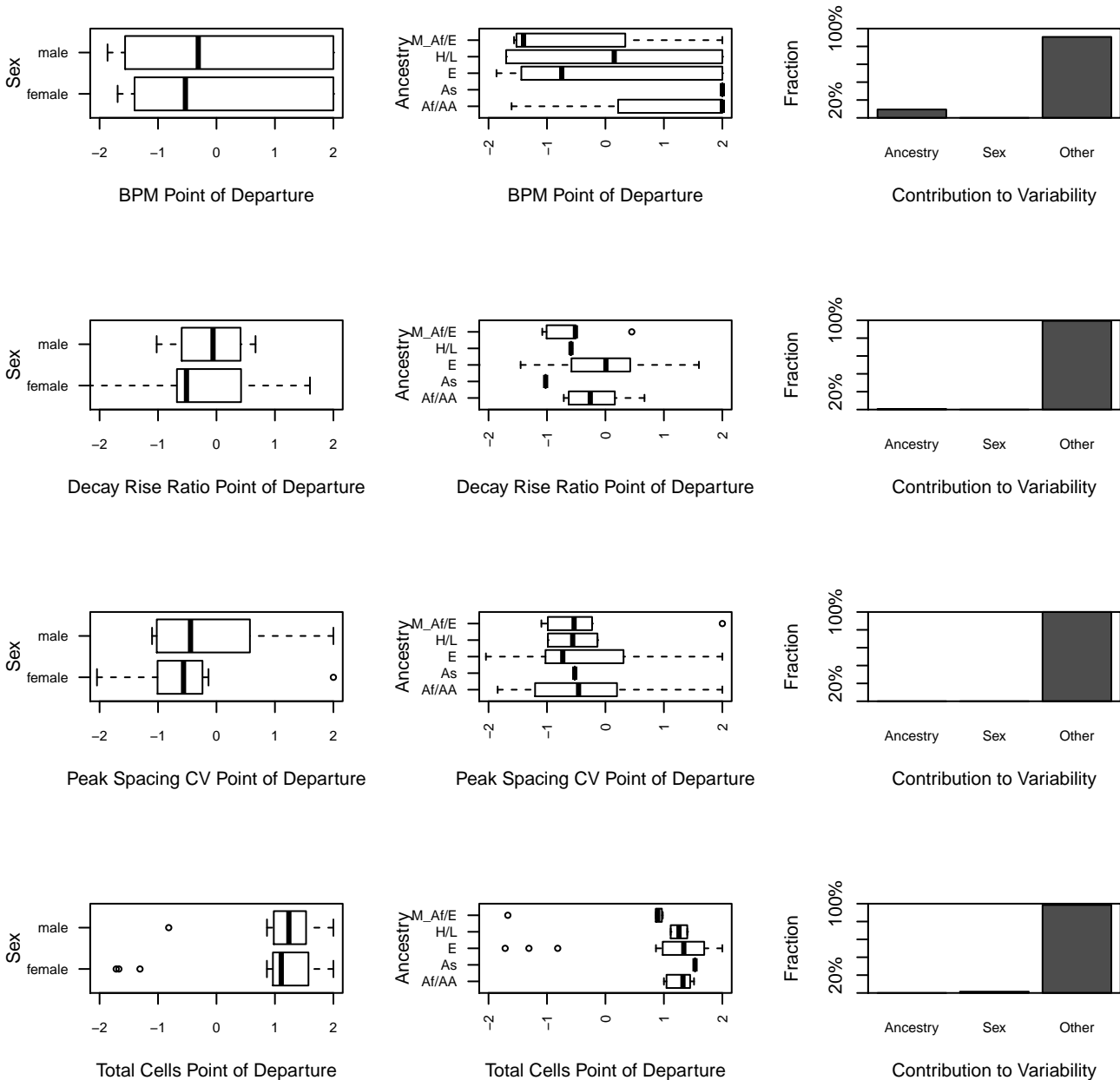


Total Cells Point of Departure

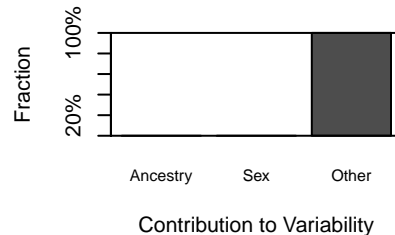
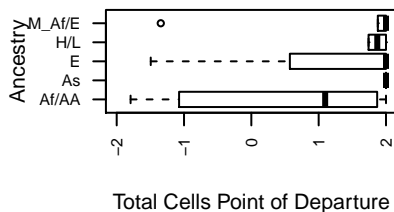
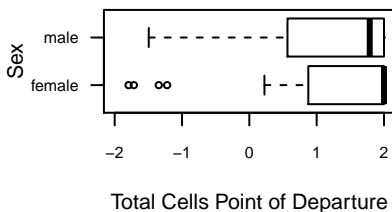
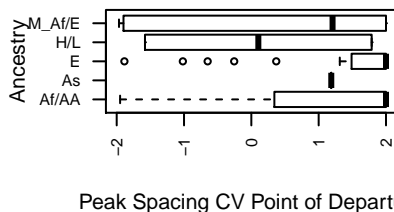
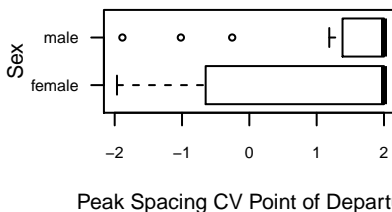
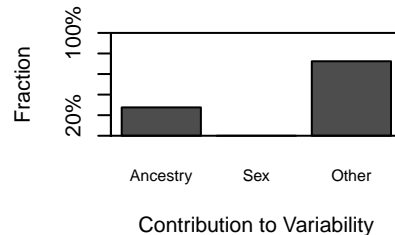
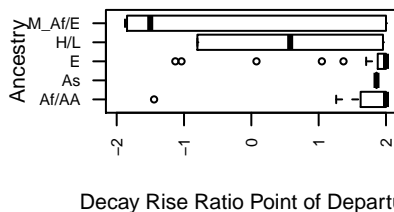
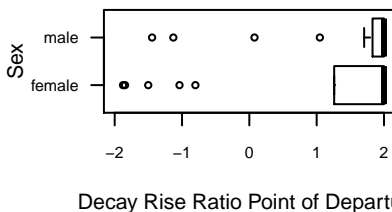
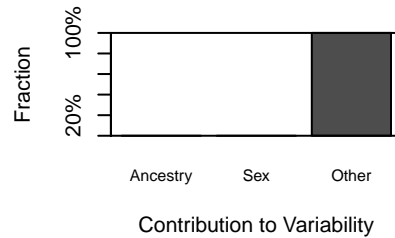
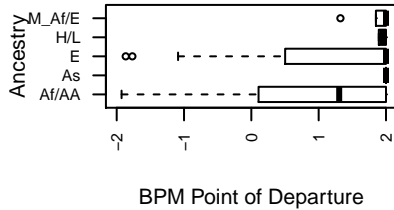
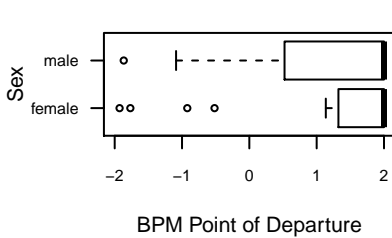


Contribution to Variability

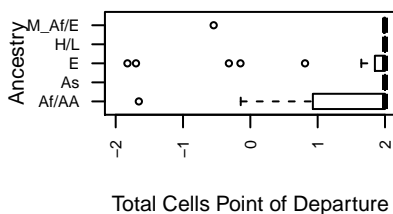
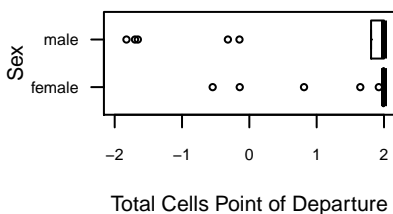
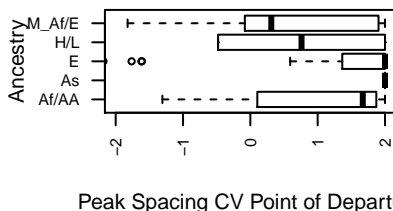
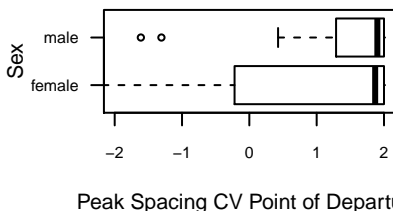
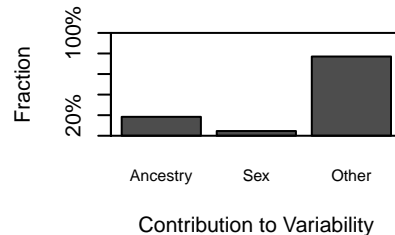
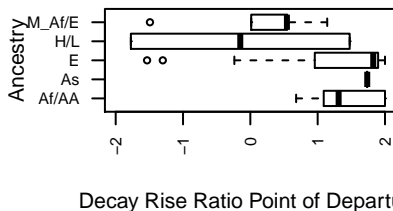
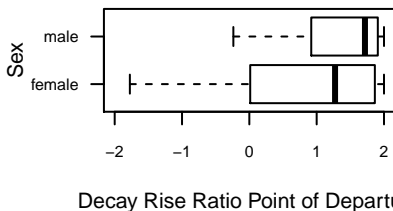
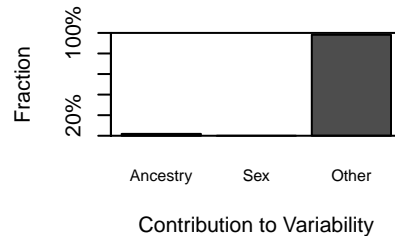
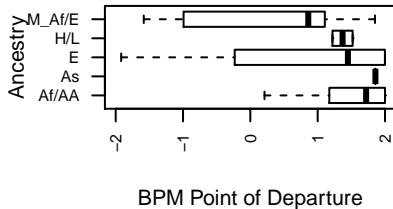
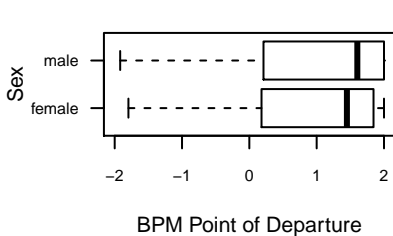
amitriptyline_hydrochloride 30



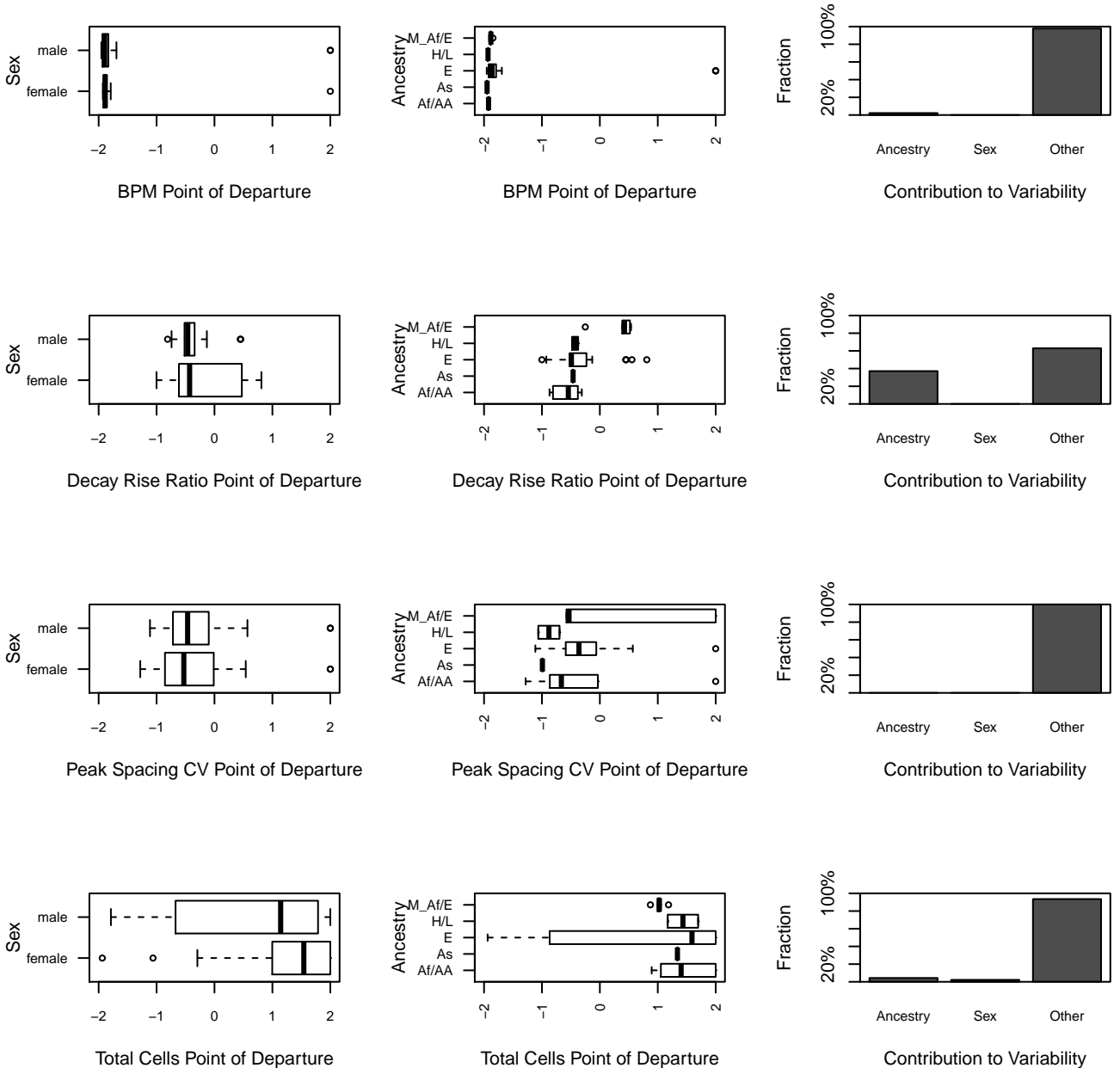
Lisinopril 31



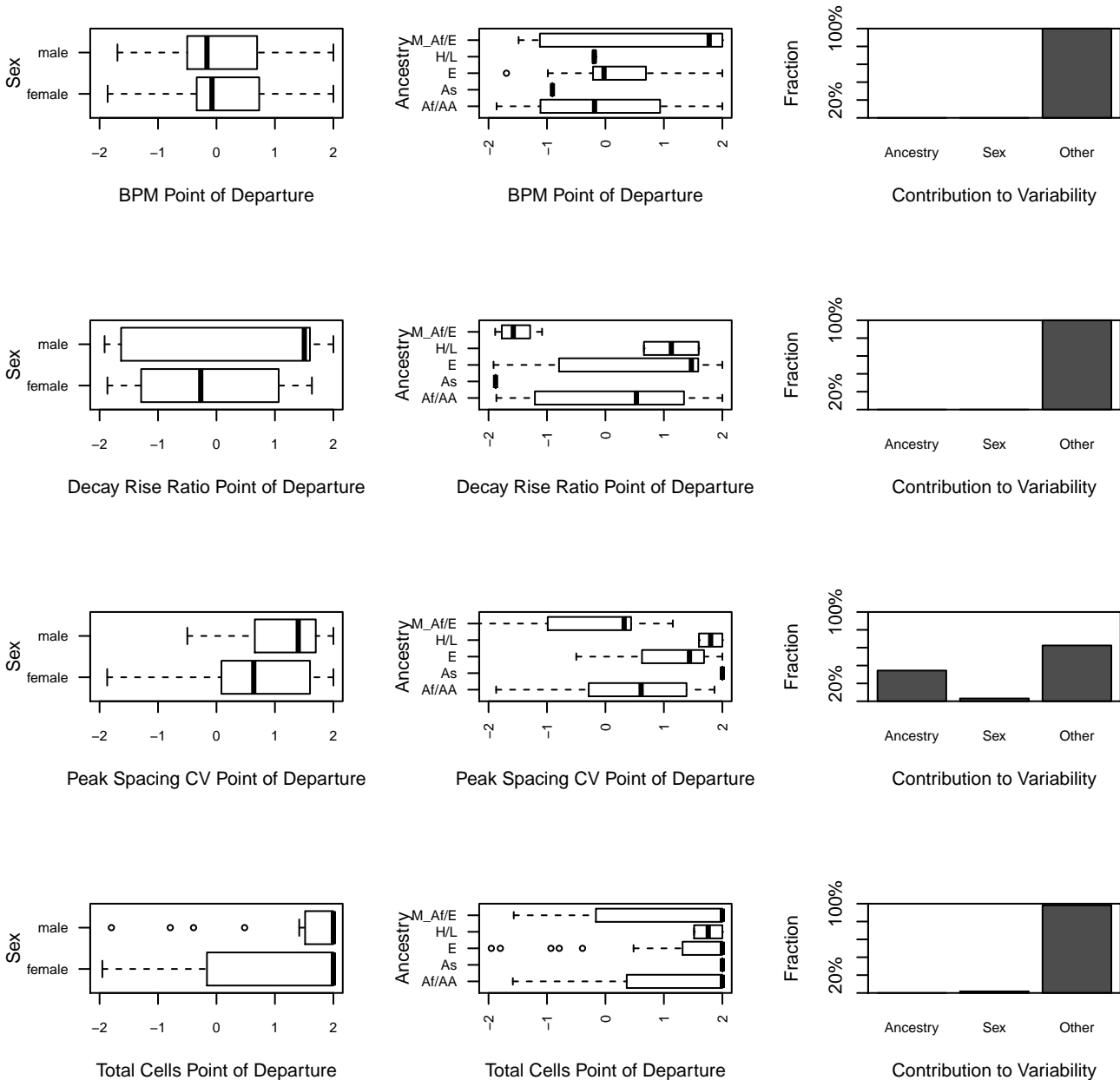
Ranitidine.HCl 32



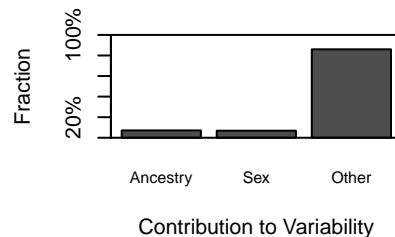
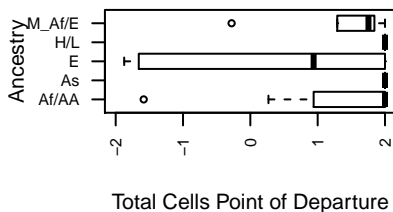
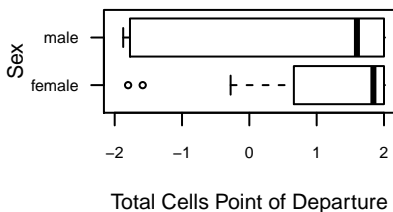
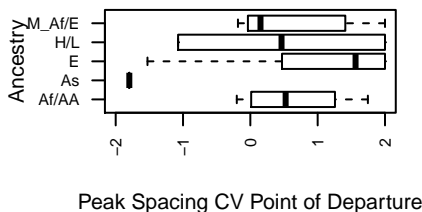
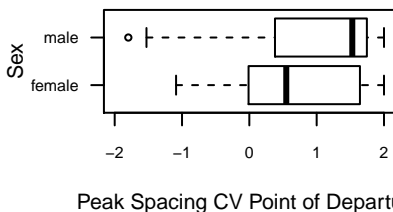
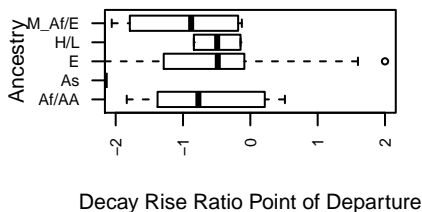
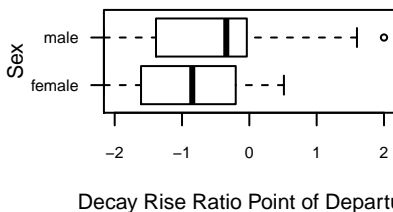
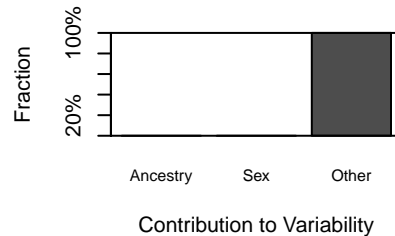
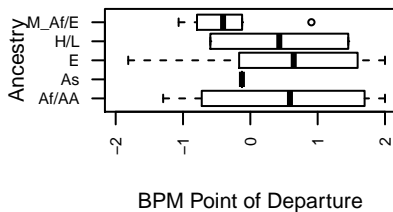
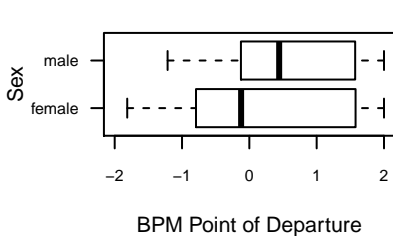
nitrendipine 33



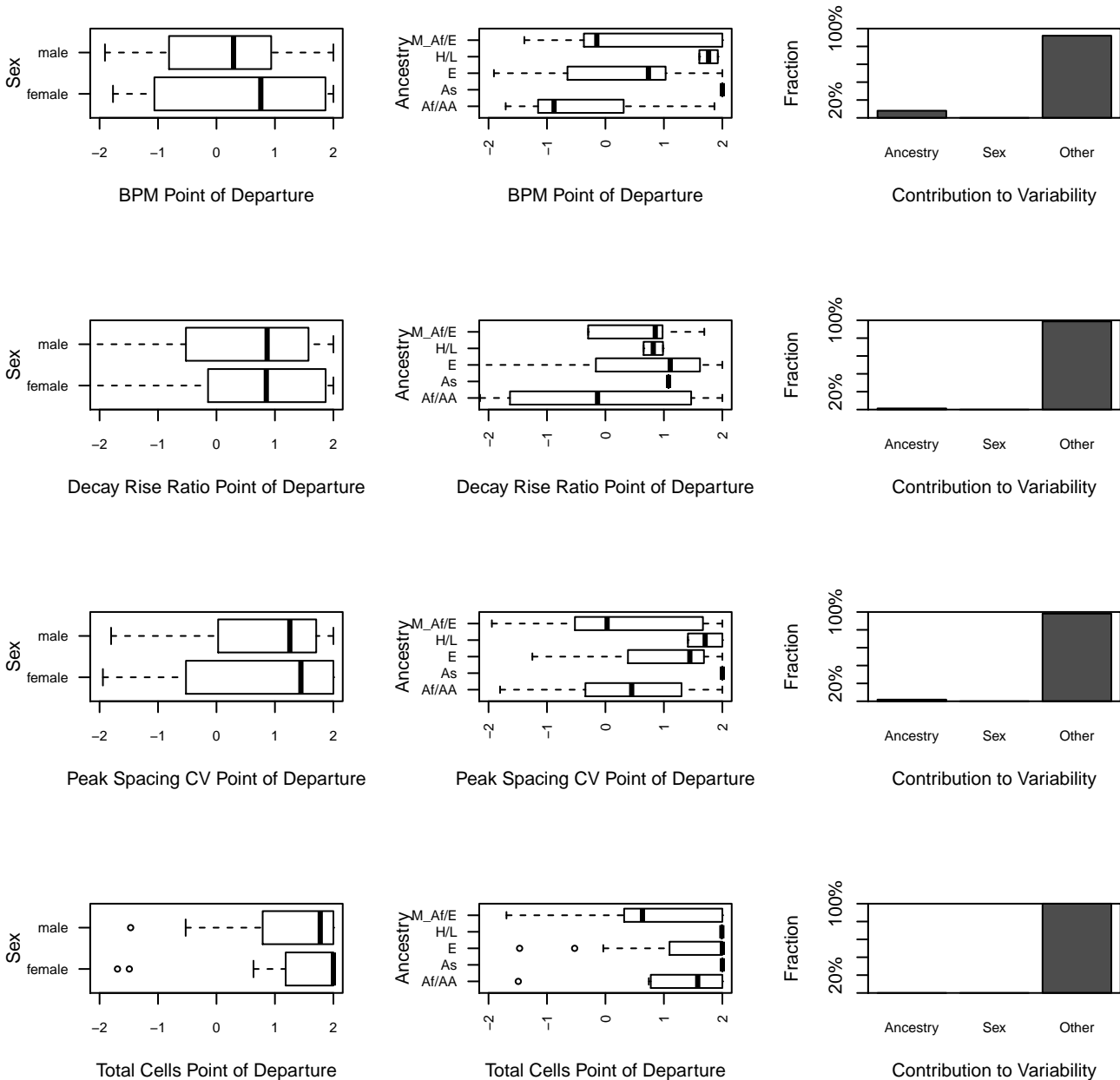
quinidine_sulfate 34



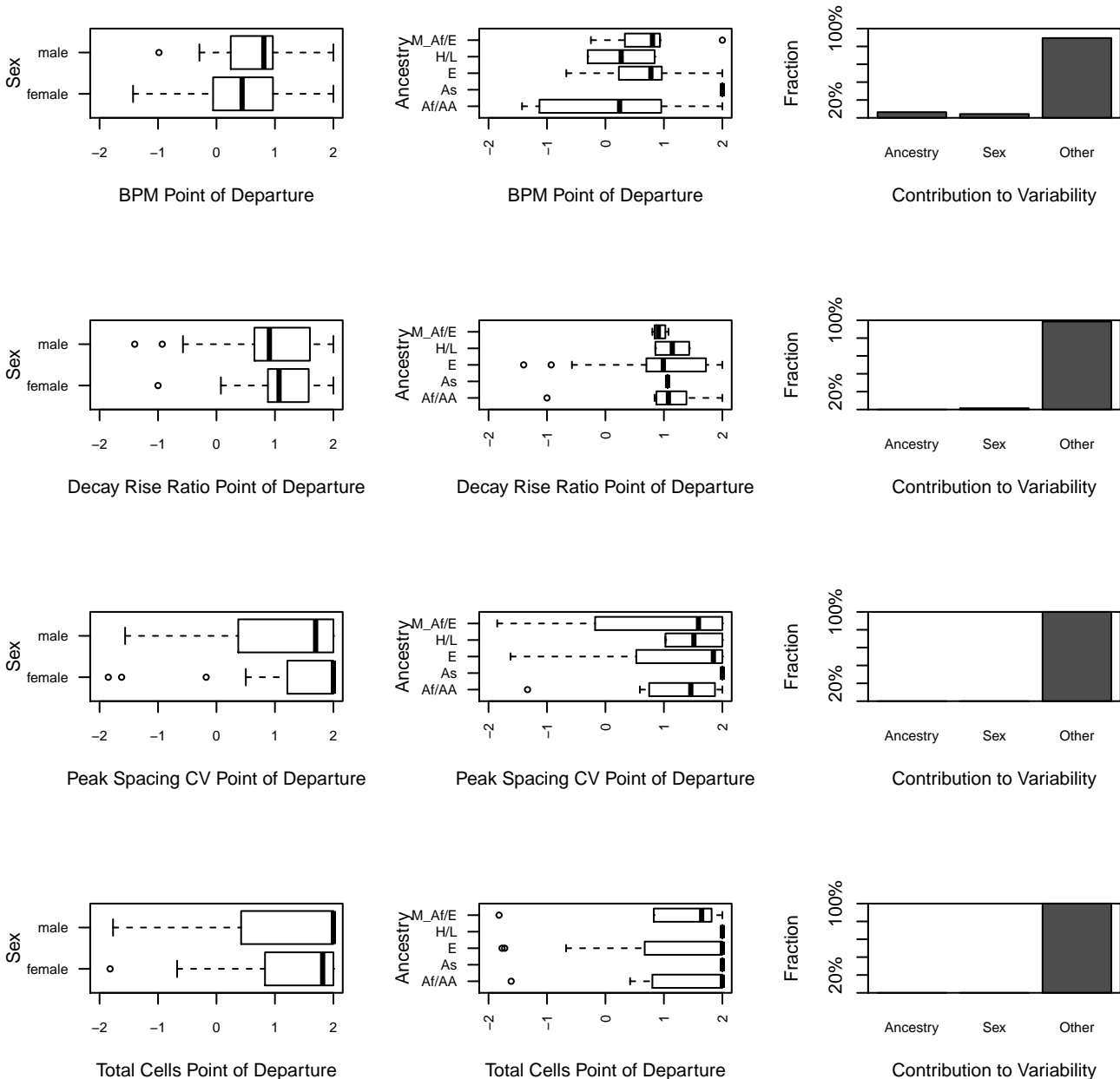
sematilide 35



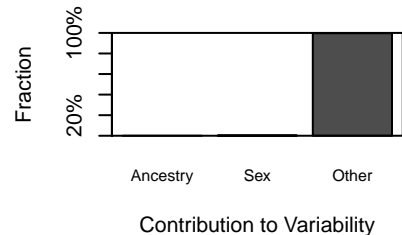
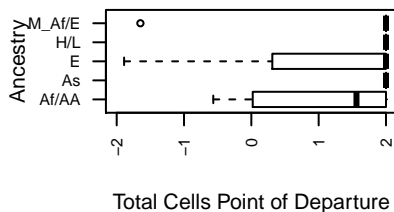
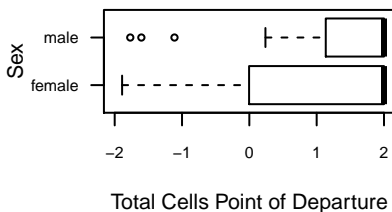
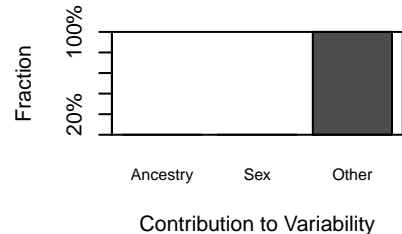
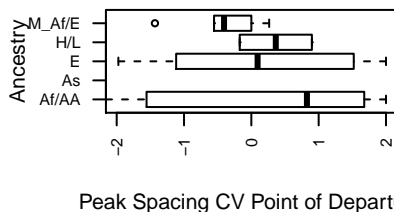
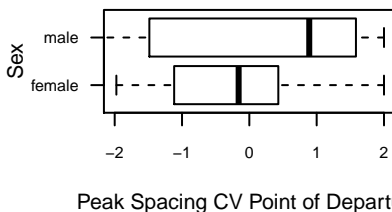
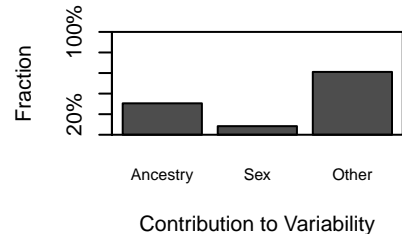
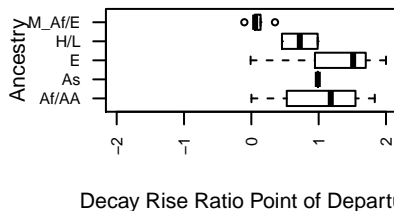
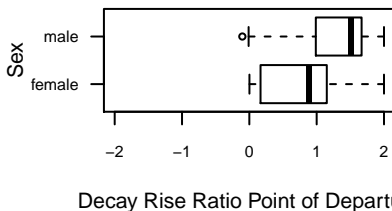
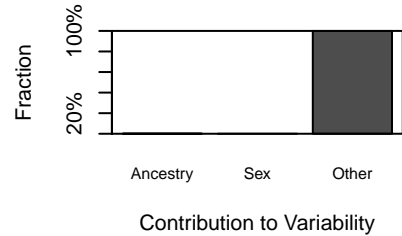
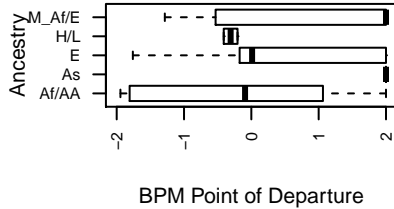
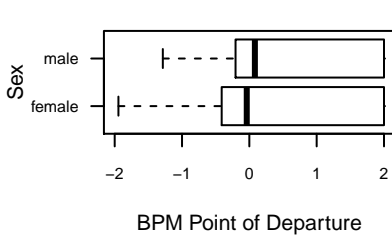
Chloroquine 36



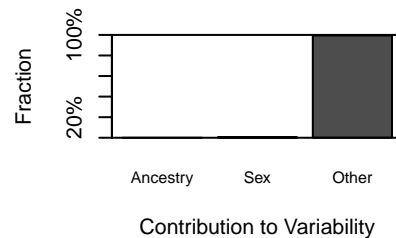
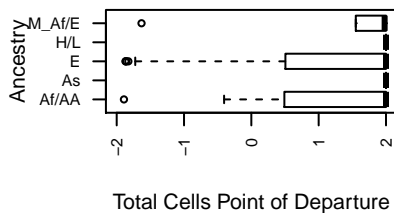
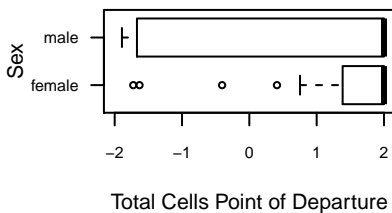
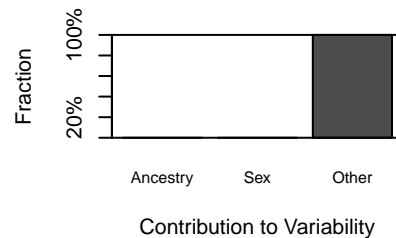
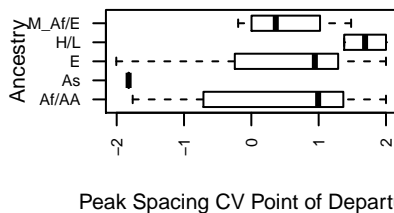
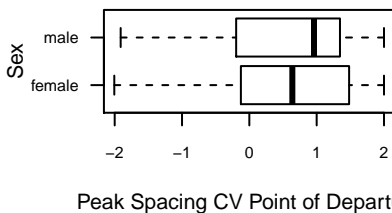
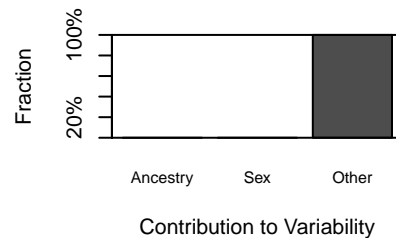
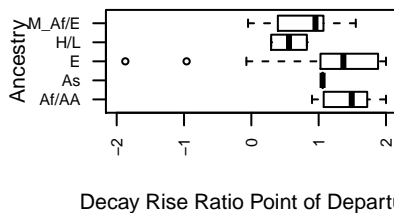
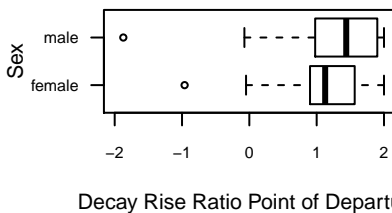
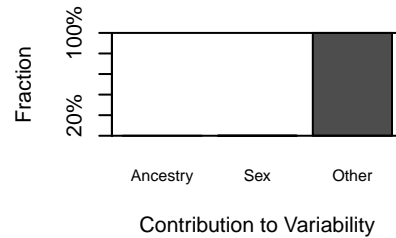
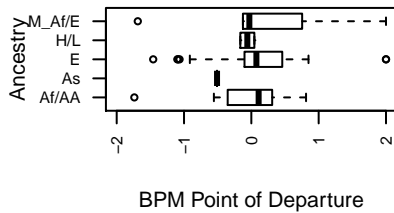
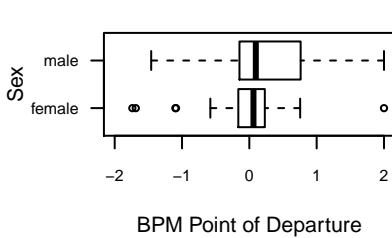
moxifloxacin_hydrochloride 37



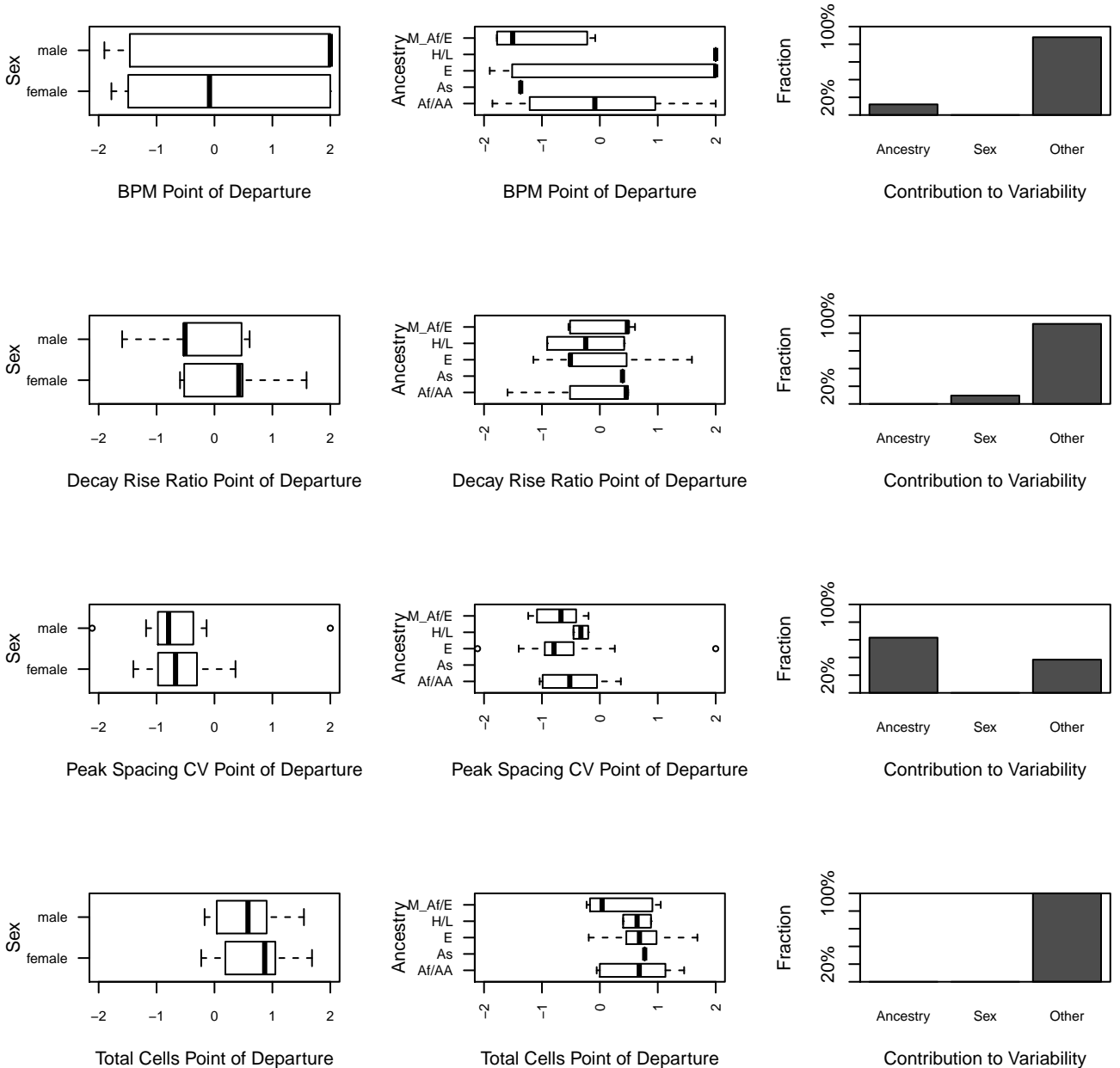
mexiletine_hydrochloride 38



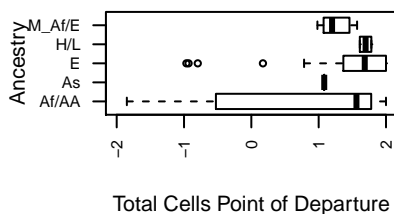
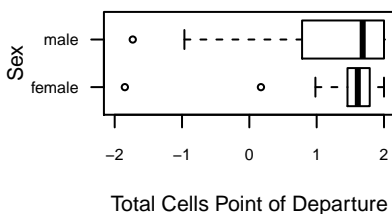
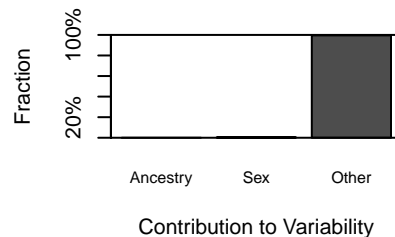
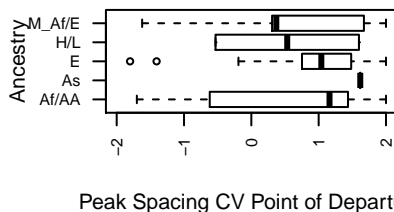
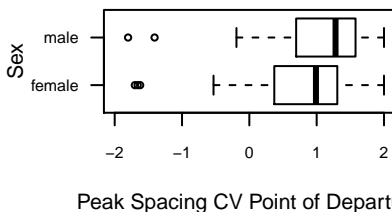
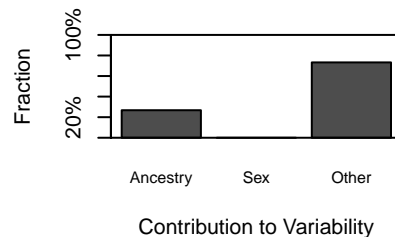
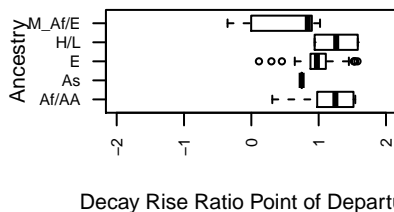
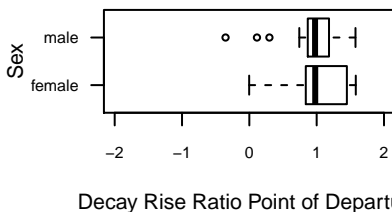
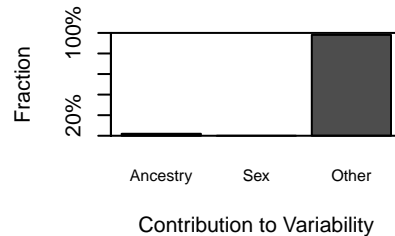
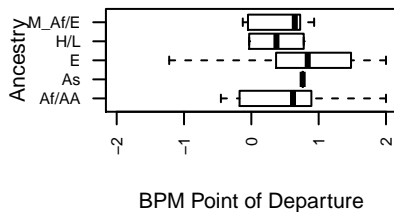
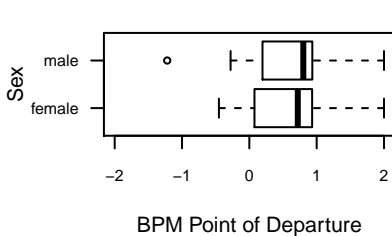
Lignocaine(Lidocaine) 39



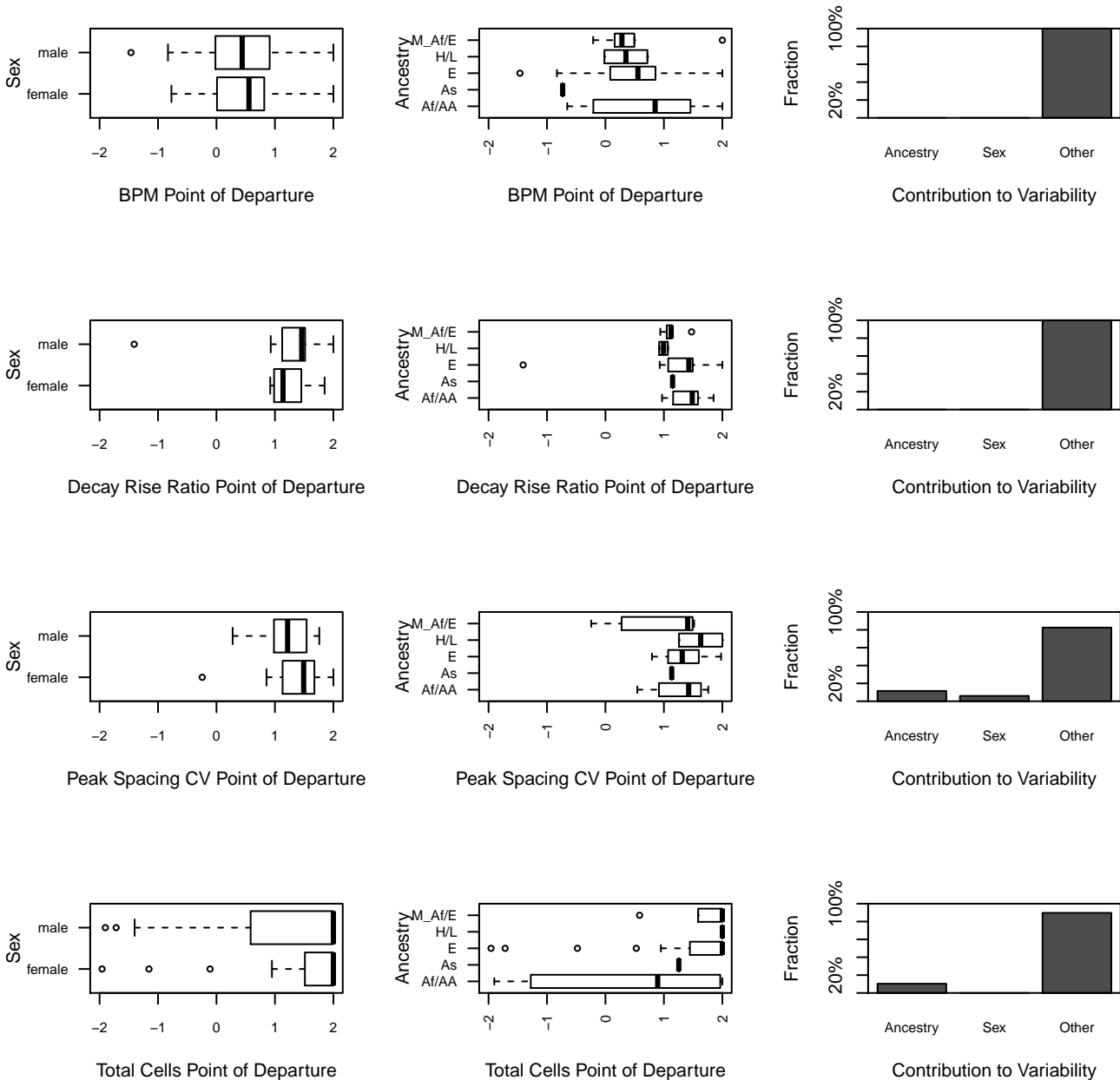
Terfenadine 40



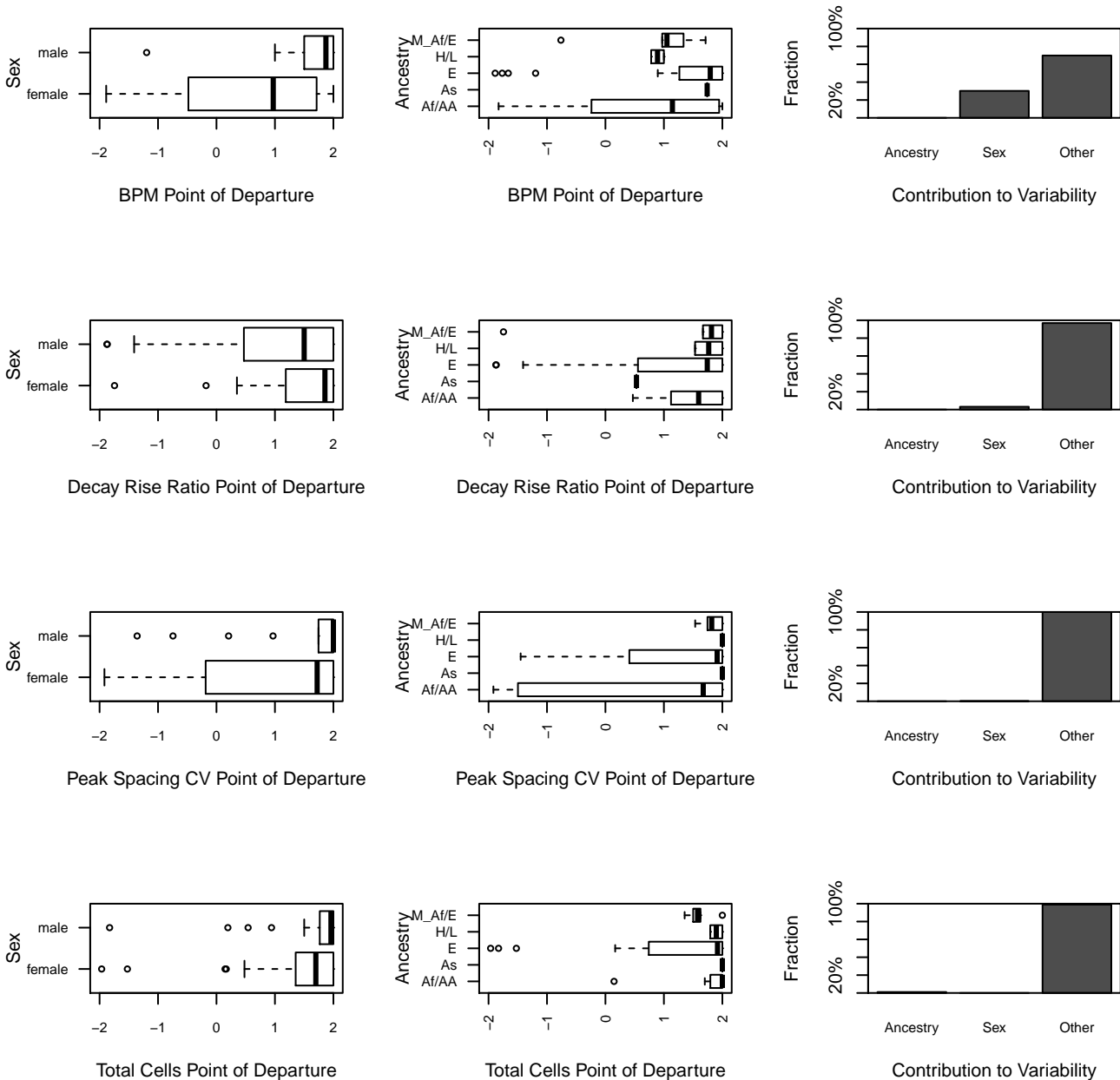
Retinal 41



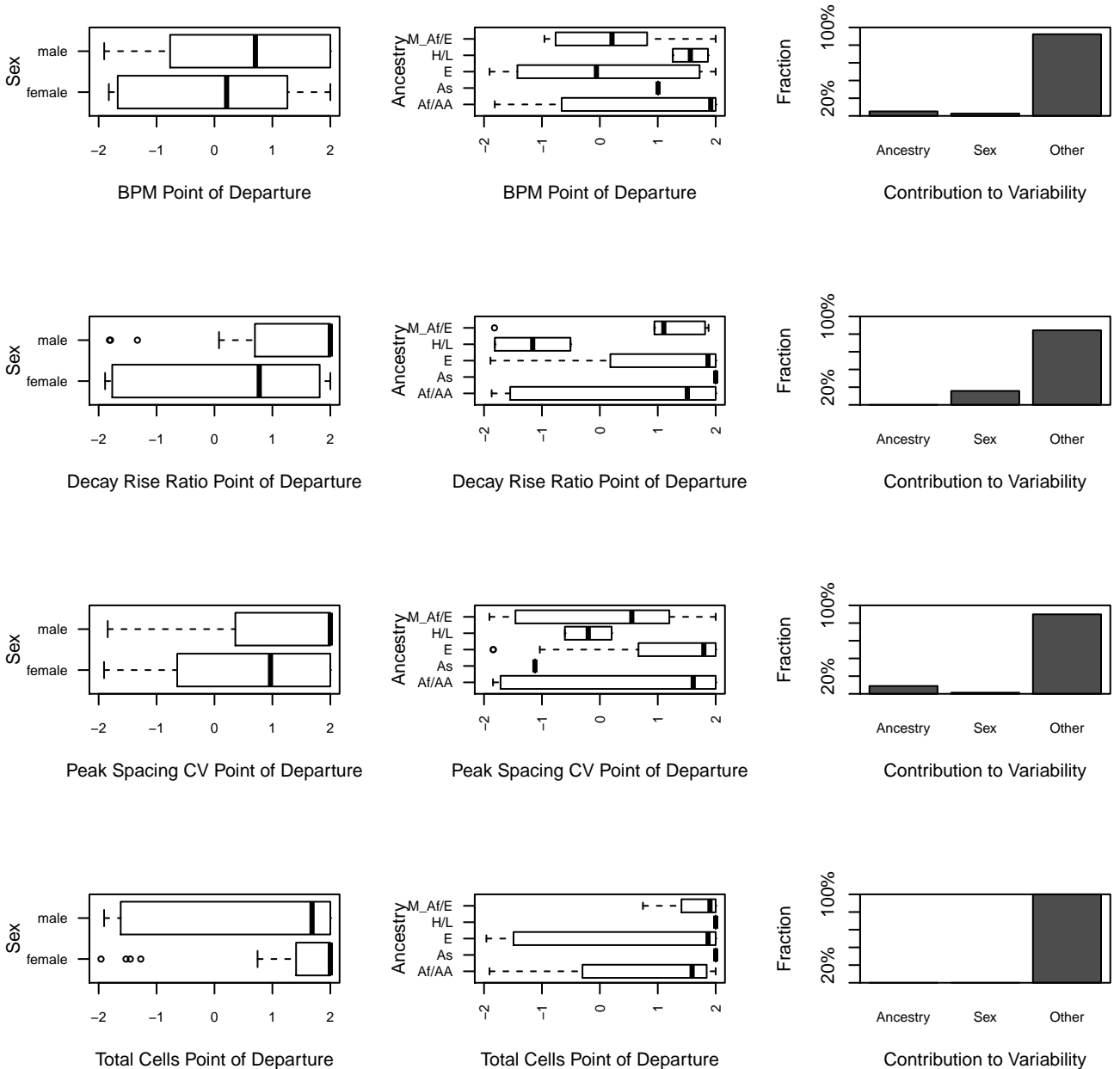
Alizarin_Yellow_R(Mordant_Orange_1) 42



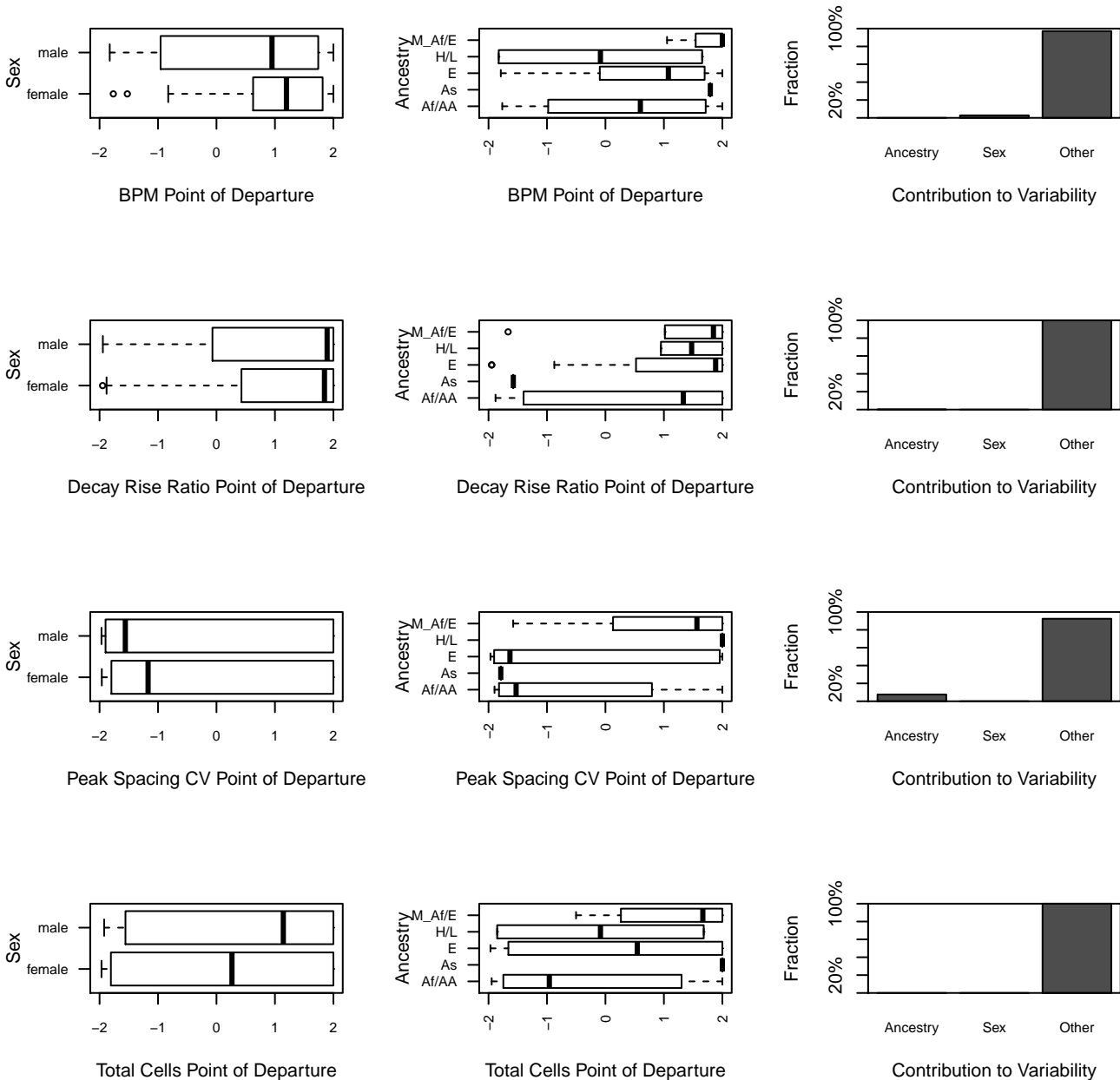
Titanocene_dichloride 43



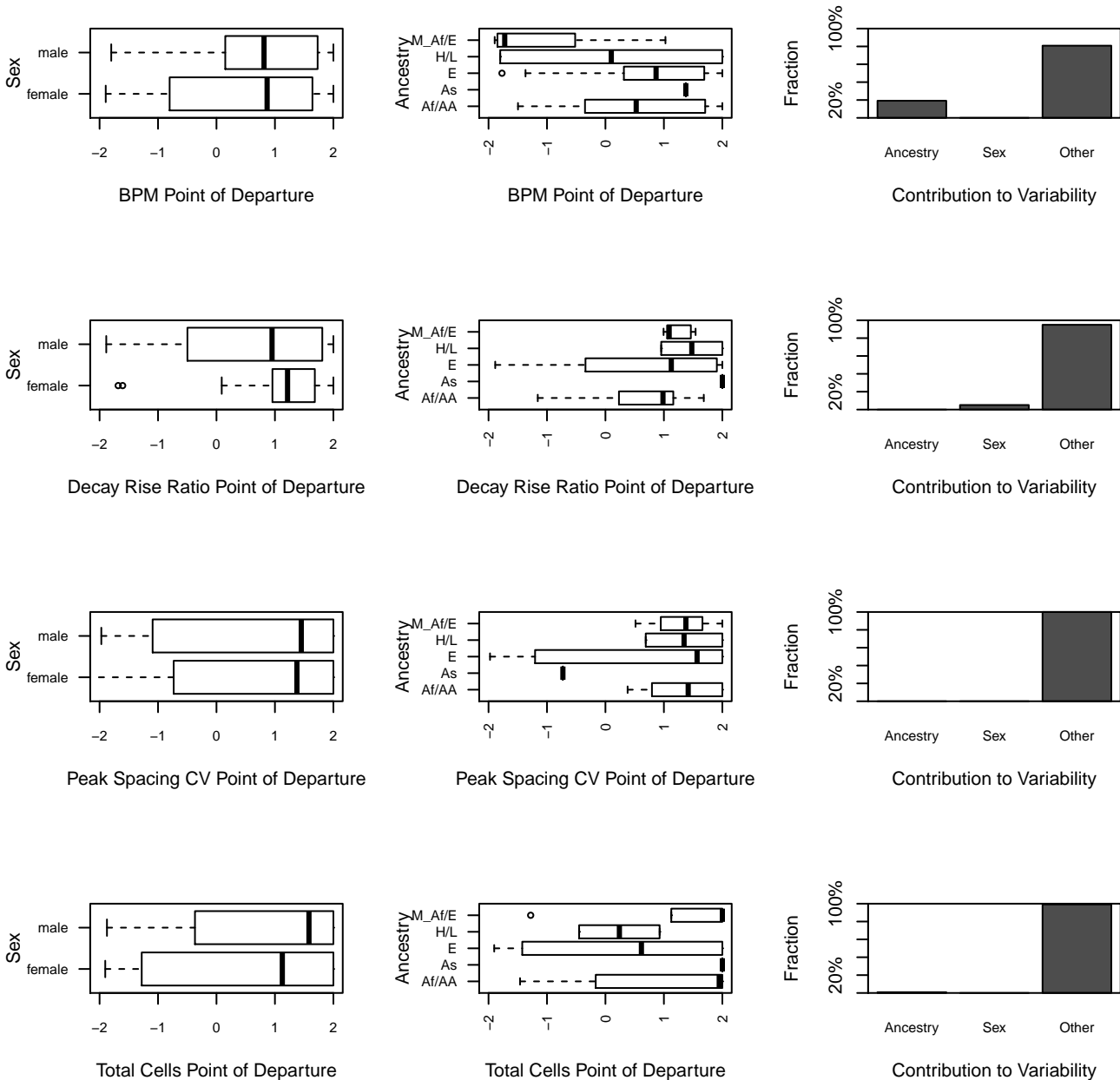
2-Amino-4-chlorophenol 44



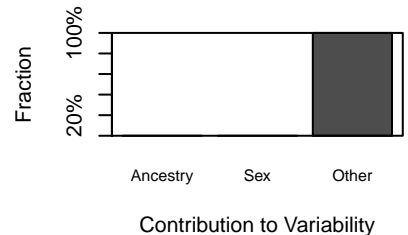
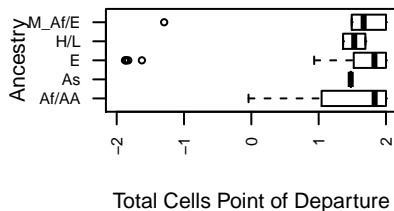
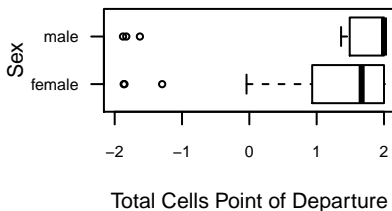
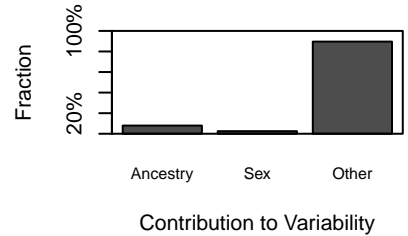
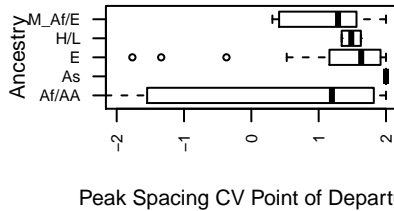
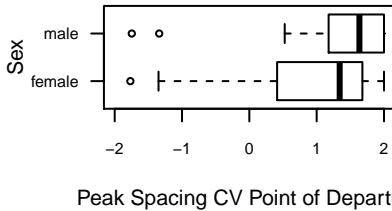
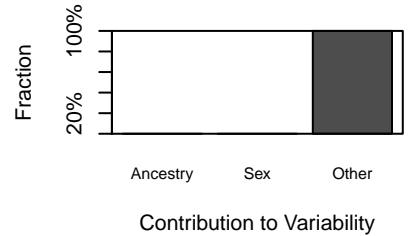
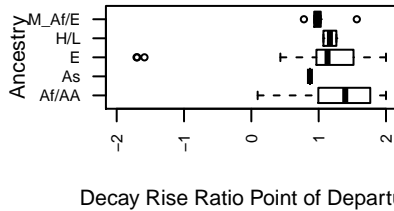
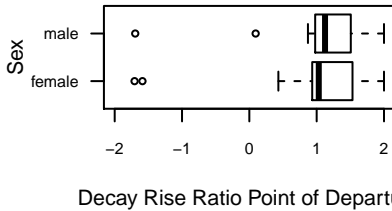
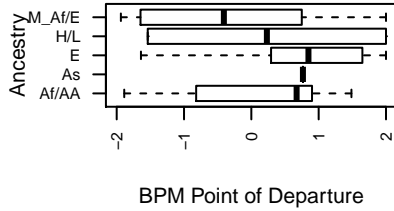
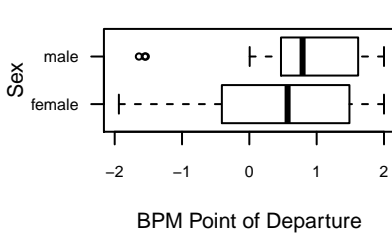
Tris(2-chloroethyl)phosphate 45



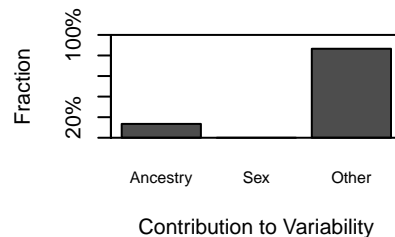
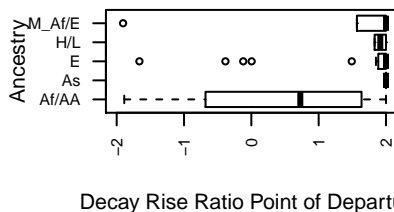
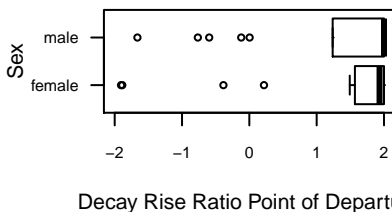
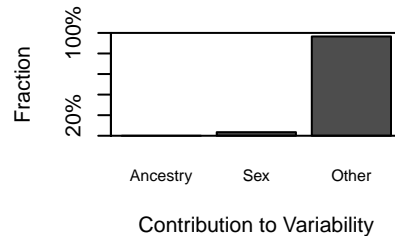
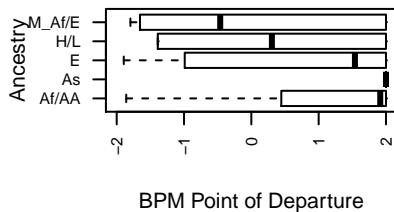
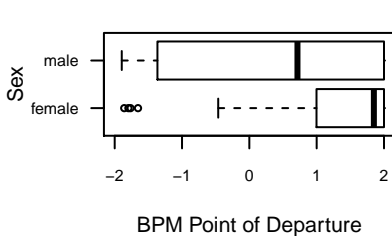
Carbaryl 46



Chlorpyrifos 47



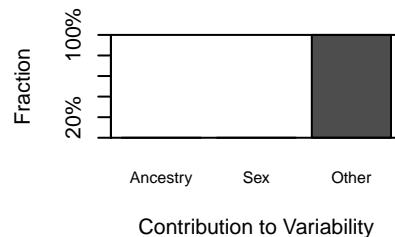
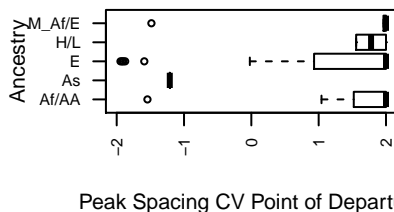
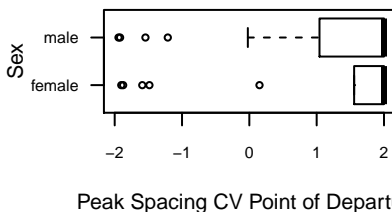
2-Methoxyethanol 48



Decay Rise Ratio Point of Departure

Decay Rise Ratio Point of Departure

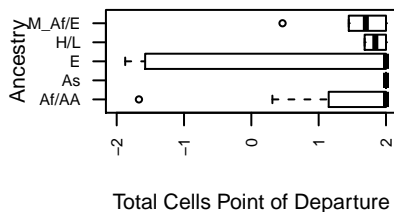
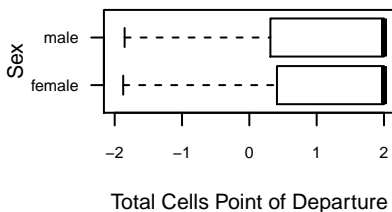
Contribution to Variability



Peak Spacing CV Point of Departure

Peak Spacing CV Point of Departure

Contribution to Variability

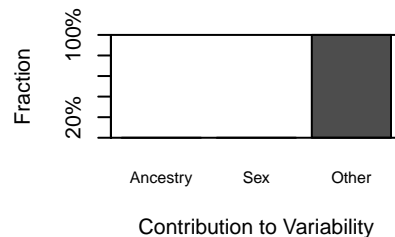
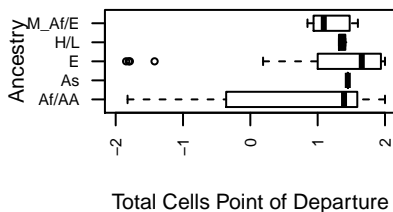
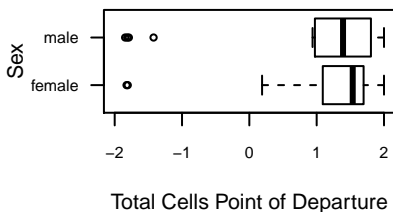
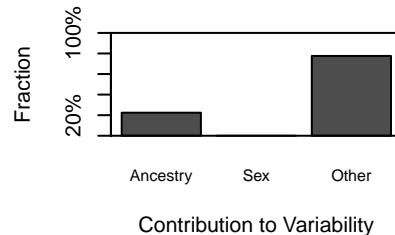
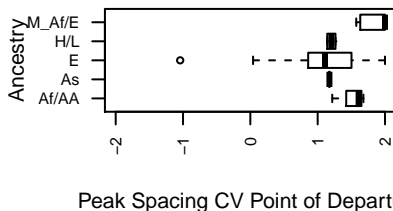
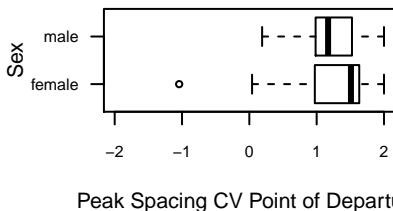
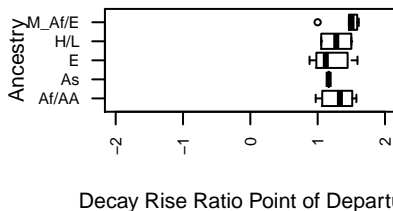
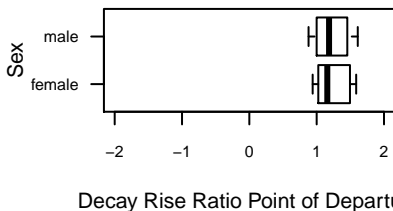
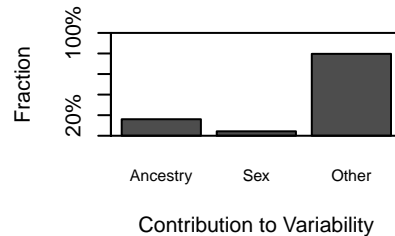
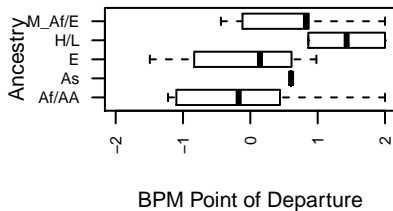
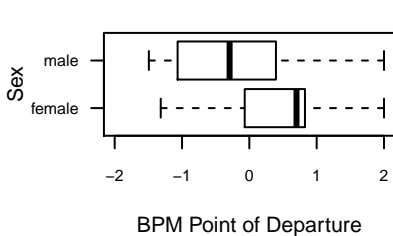


Total Cells Point of Departure

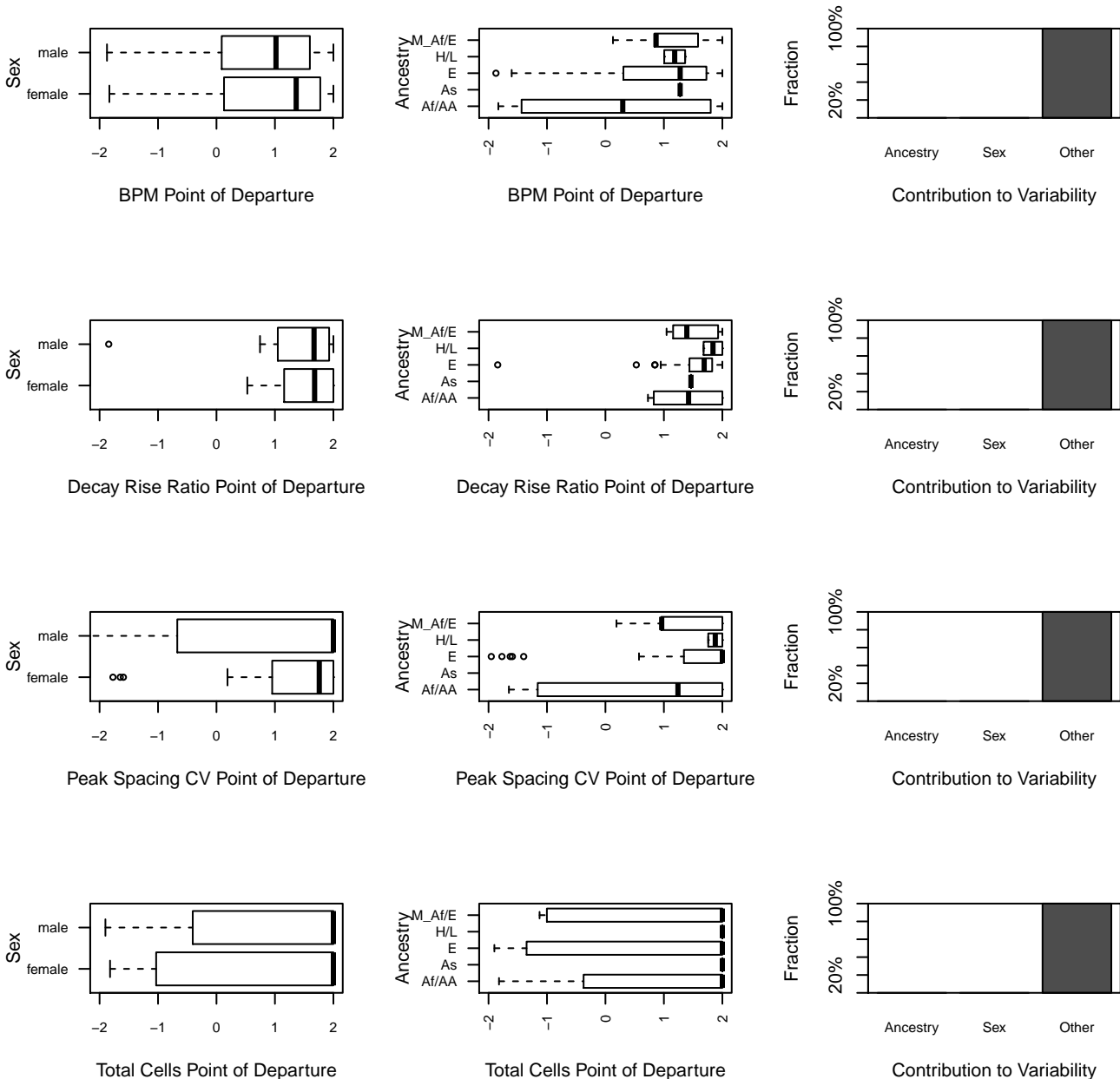
Total Cells Point of Departure

Contribution to Variability

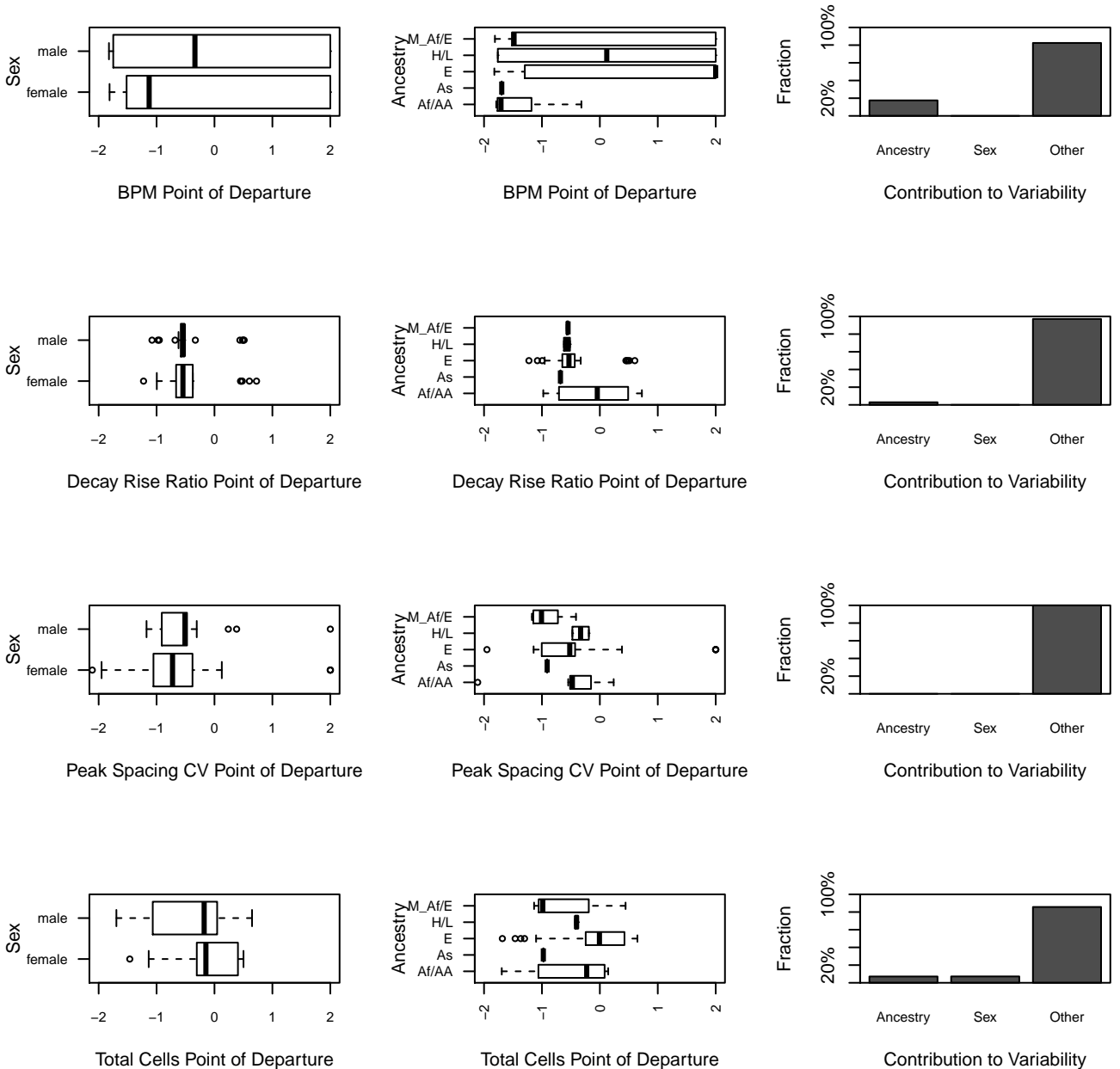
Ethoxyquin 49



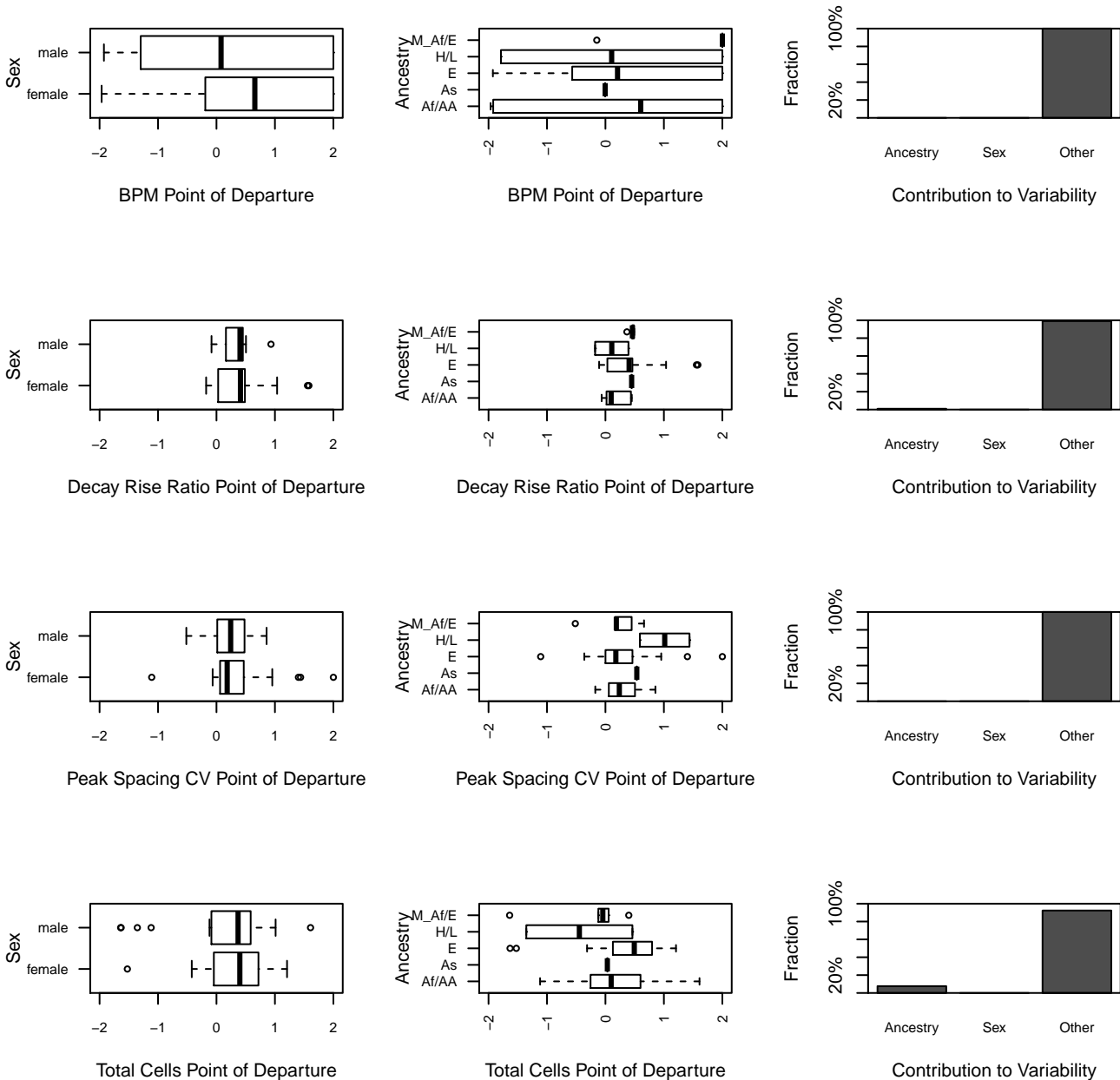
Dibenz(a,h)anthracene 50



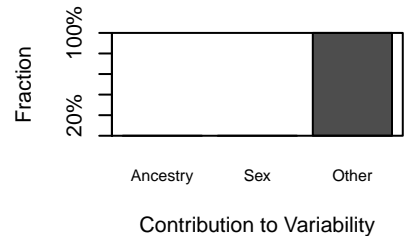
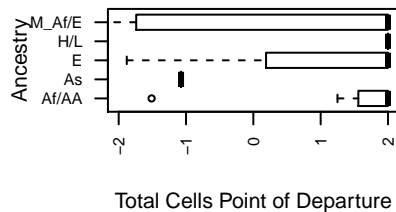
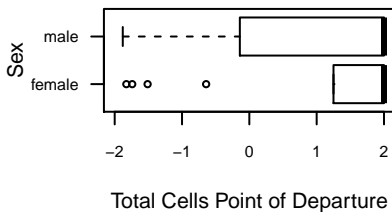
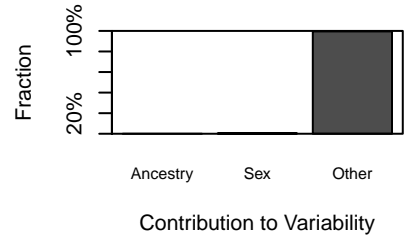
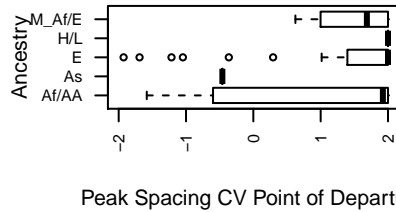
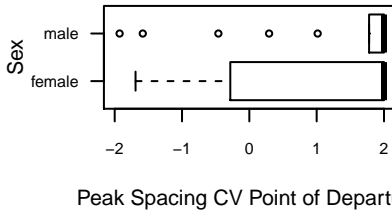
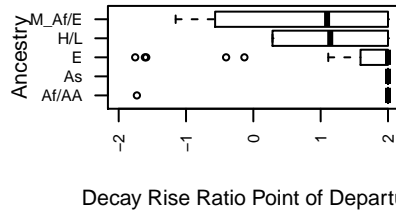
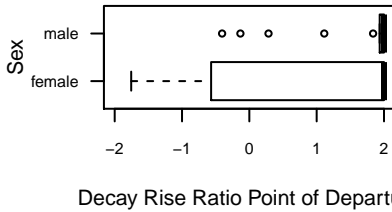
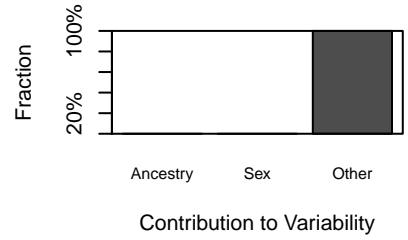
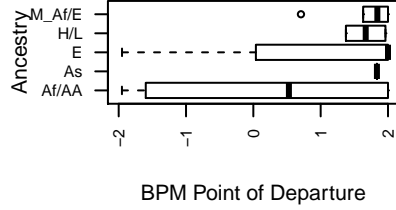
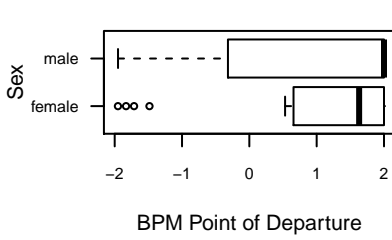
Gentian_Violet 51



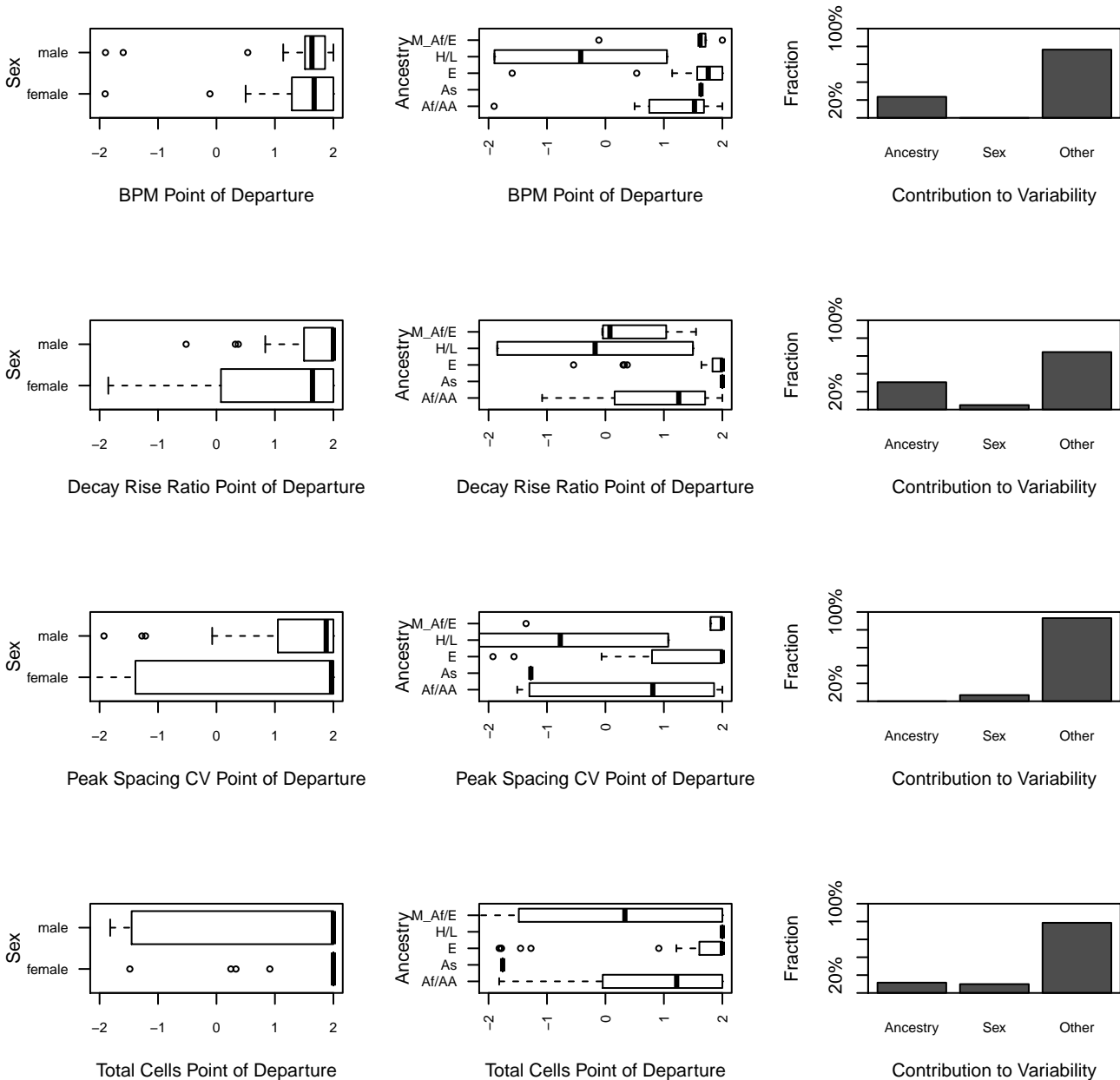
3-Iodo-2-propynyl-N-butylcarbamate 52



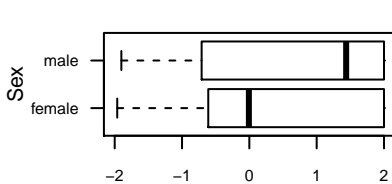
Maltol 53



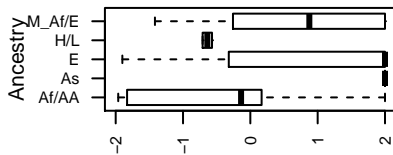
Acenaphthylene 54



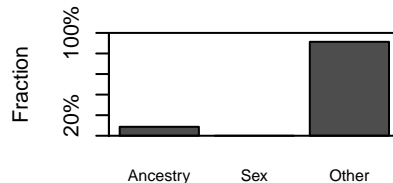
4-Hexylresorcinol 55



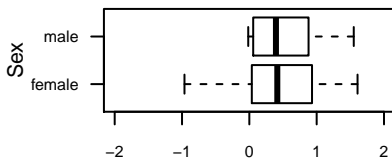
BPM Point of Departure



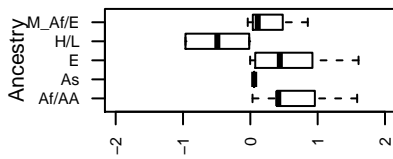
BPM Point of Departure



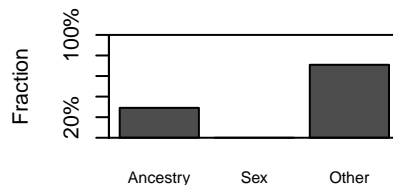
Contribution to Variability



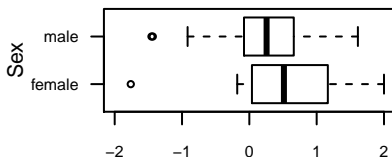
Decay Rise Ratio Point of Departure



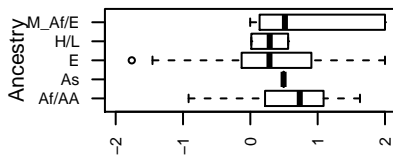
Decay Rise Ratio Point of Departure



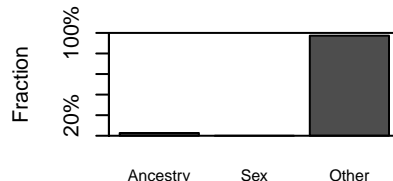
Contribution to Variability



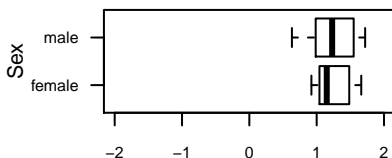
Peak Spacing CV Point of Departure



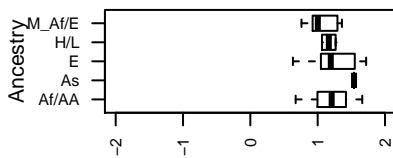
Peak Spacing CV Point of Departure



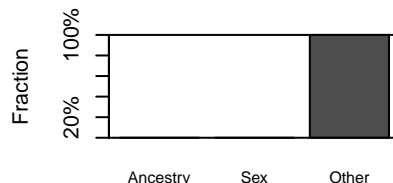
Contribution to Variability



Total Cells Point of Departure

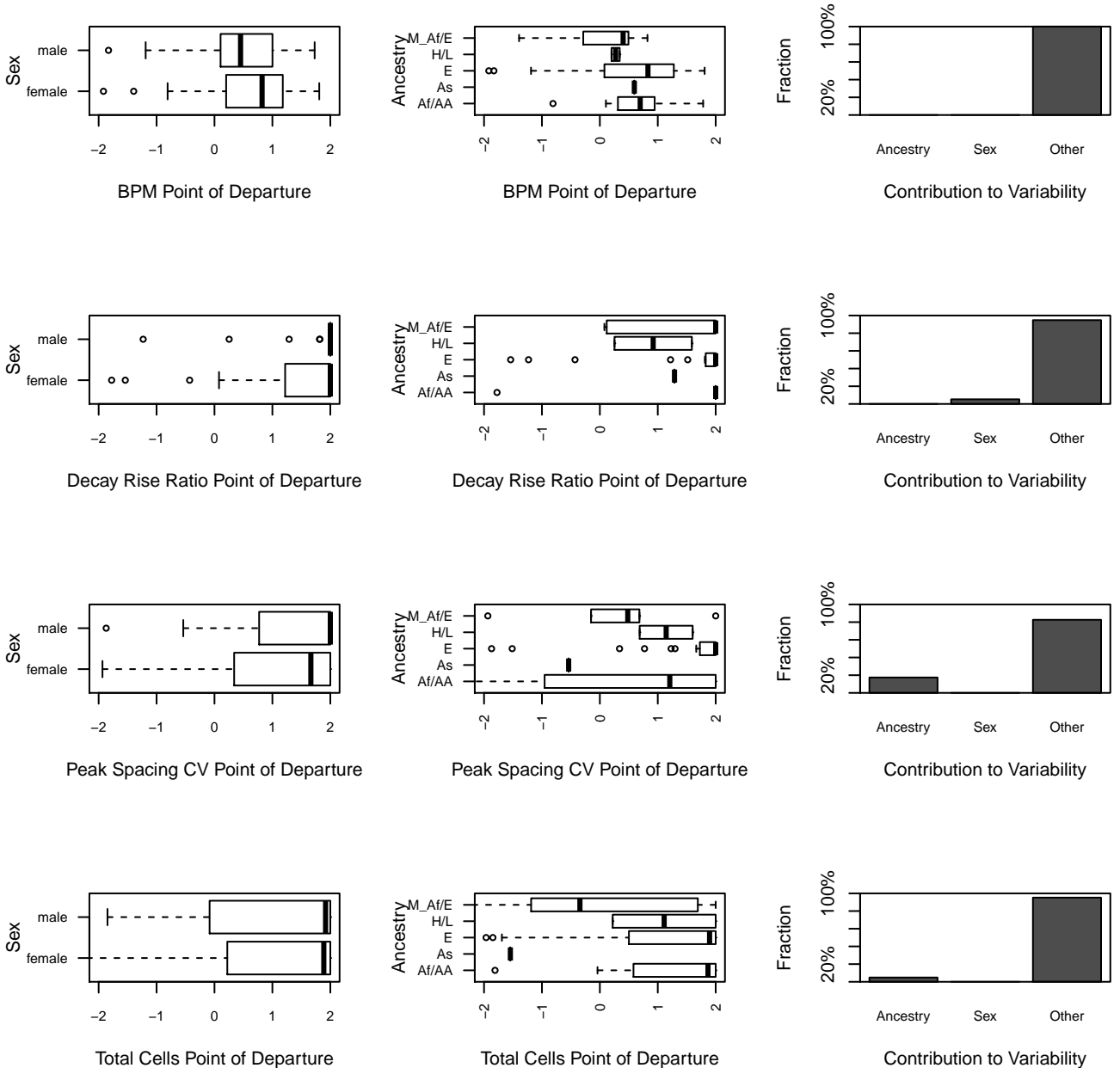


Total Cells Point of Departure

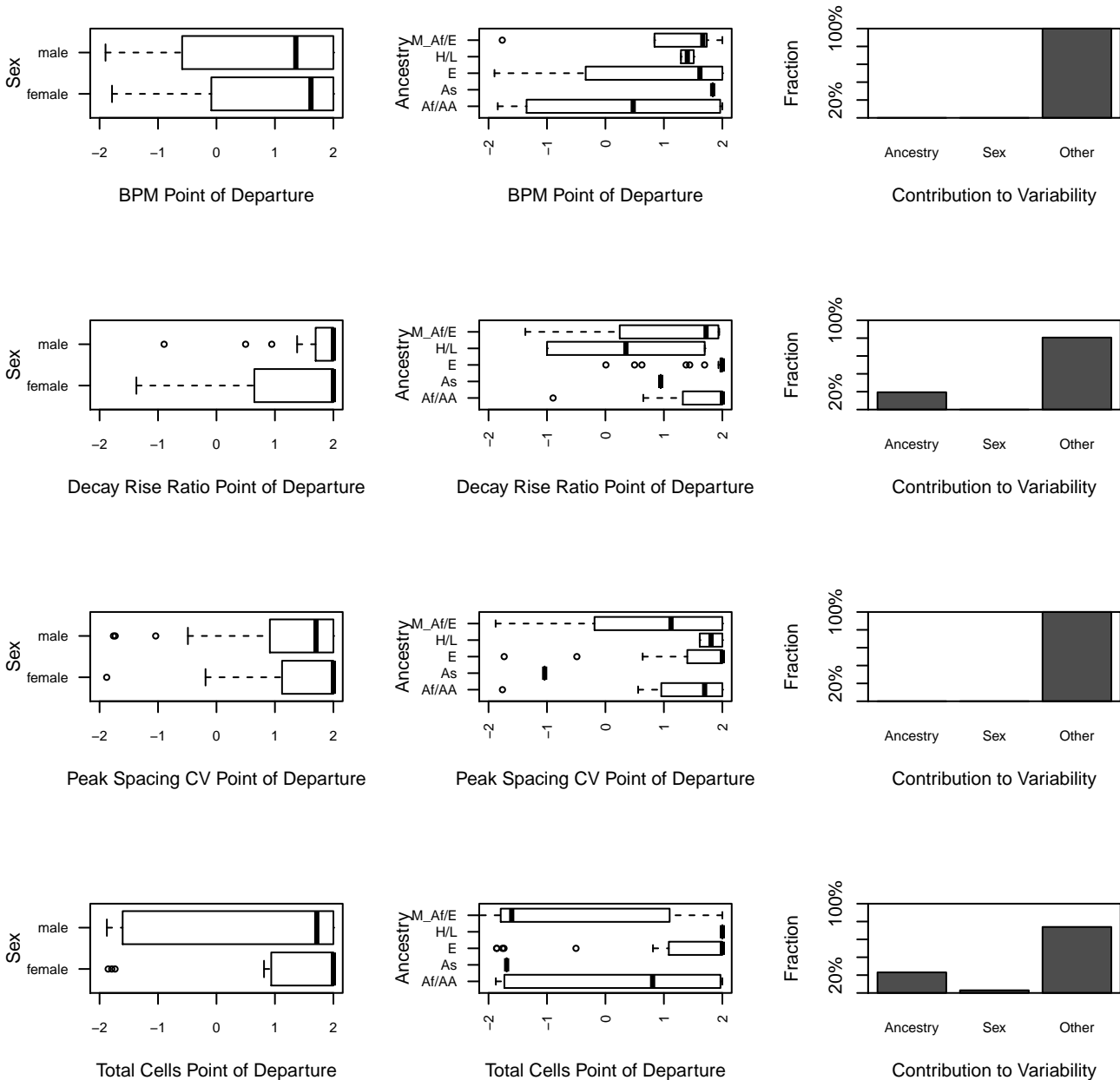


Contribution to Variability

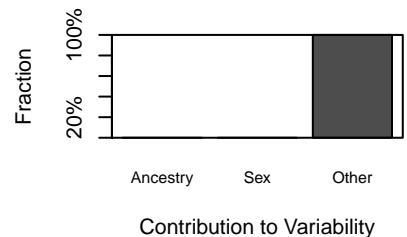
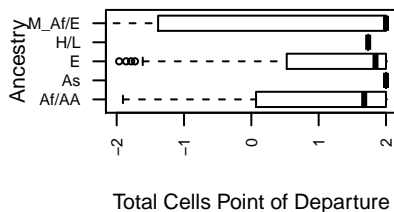
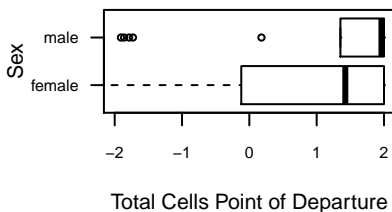
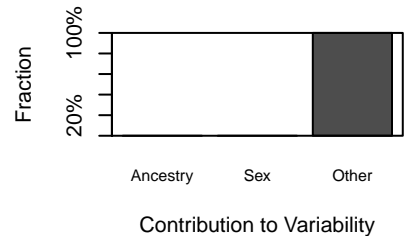
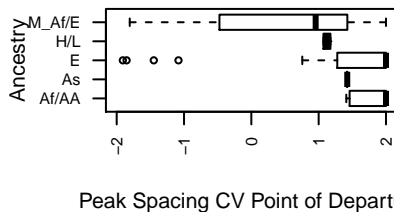
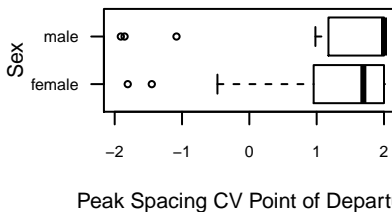
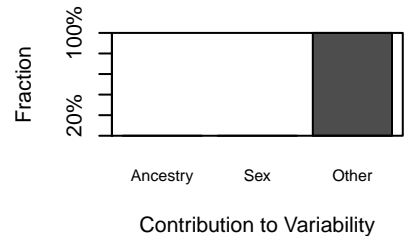
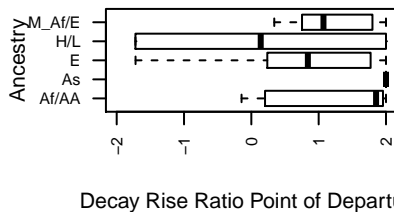
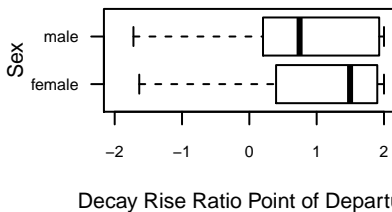
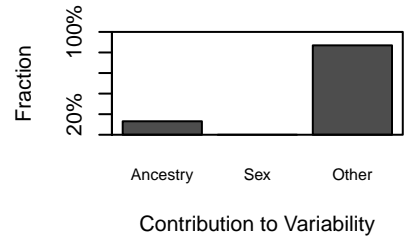
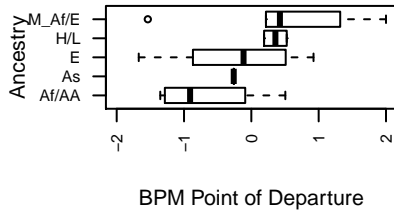
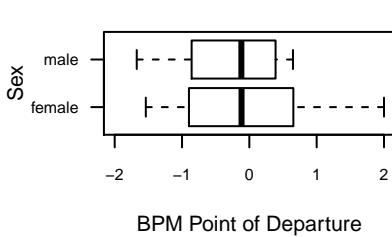
Thiabendazole 56



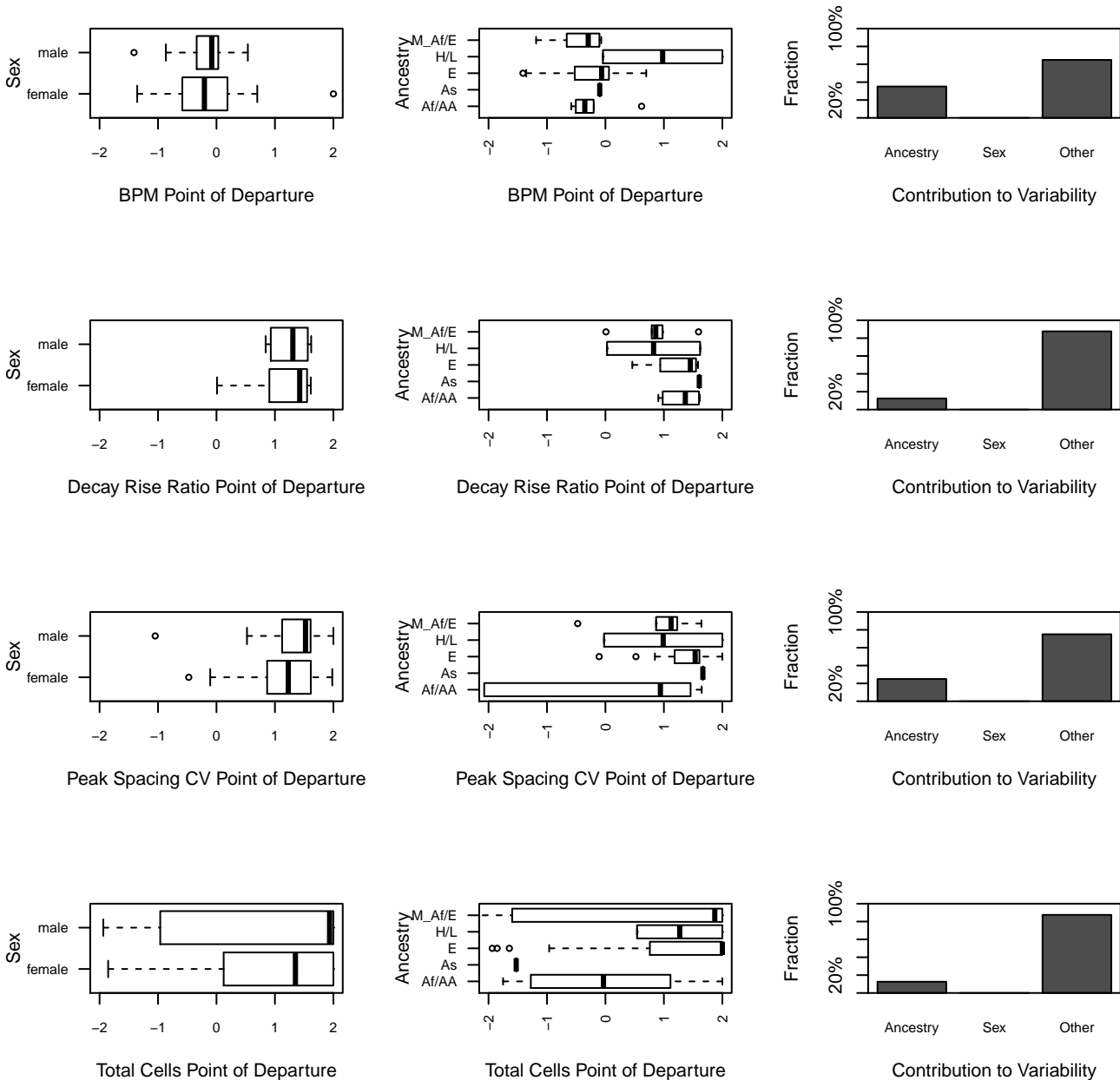
Naphthalene 57



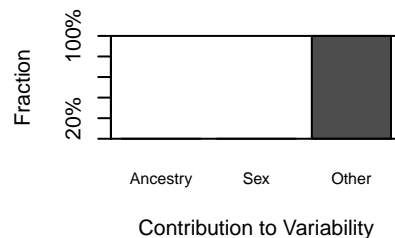
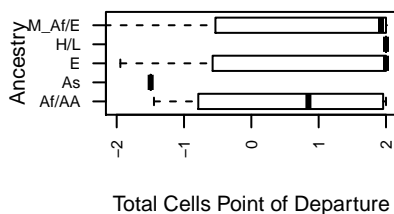
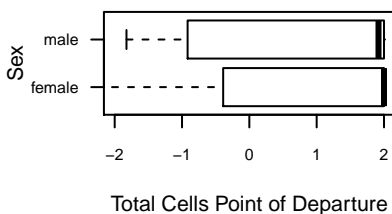
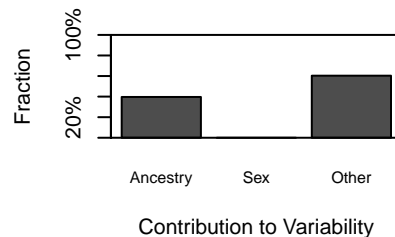
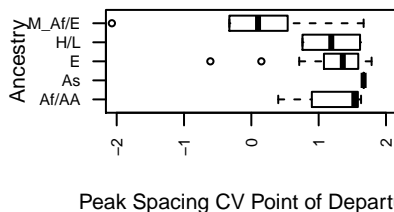
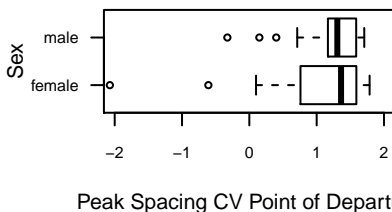
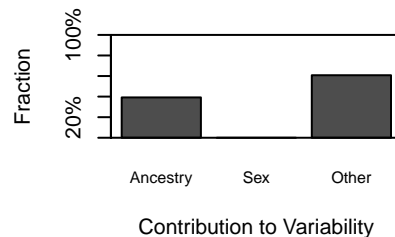
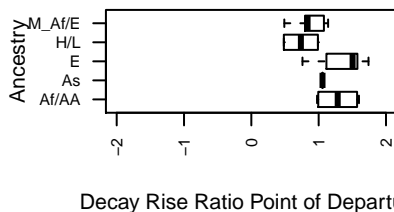
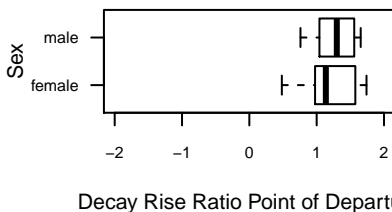
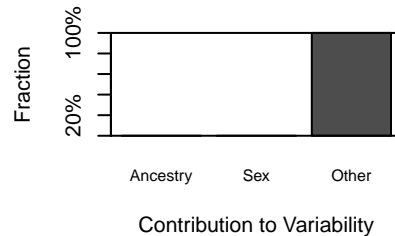
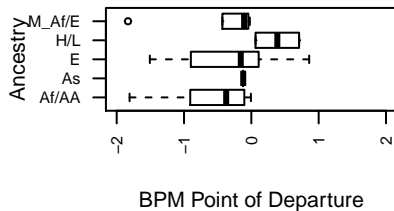
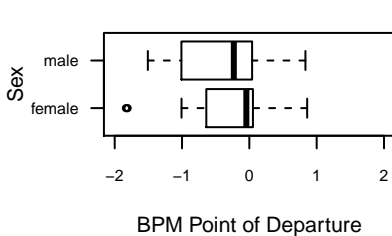
Benzo(e)pyrene 58



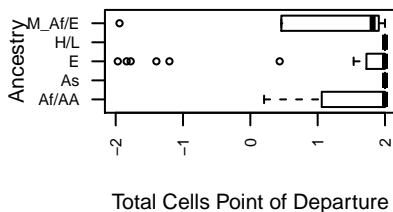
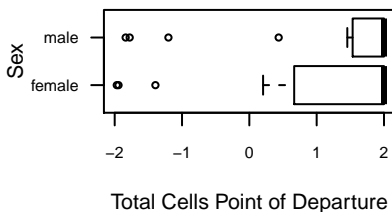
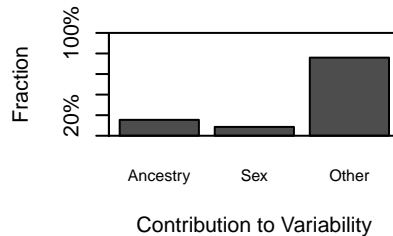
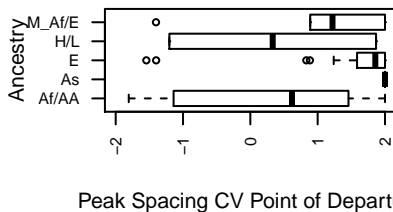
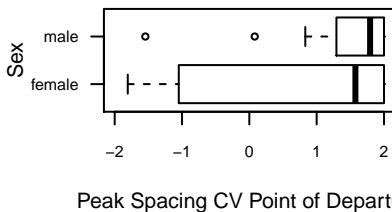
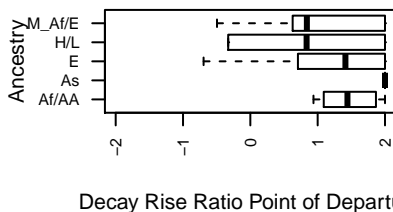
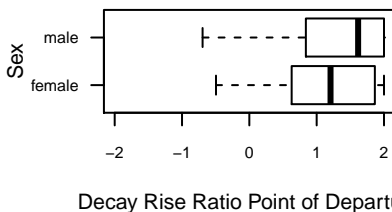
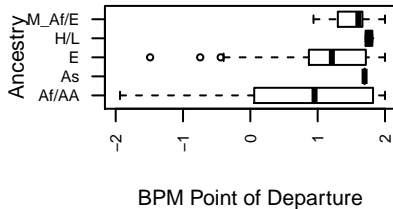
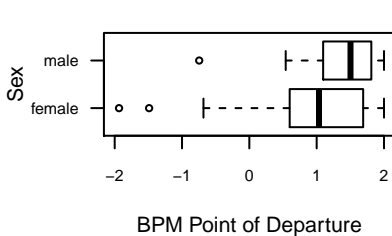
Triphenyl_phosphates_isopropylated 59



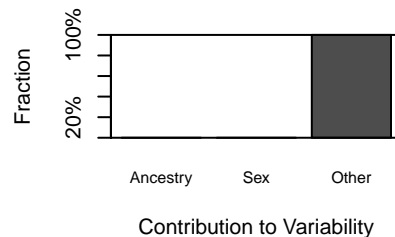
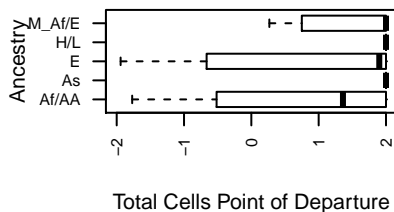
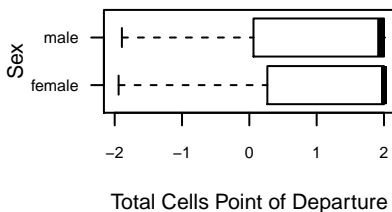
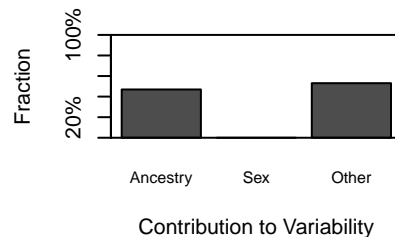
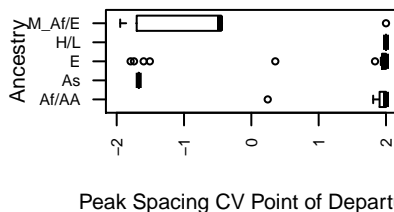
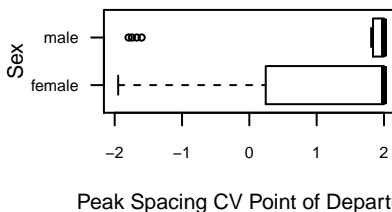
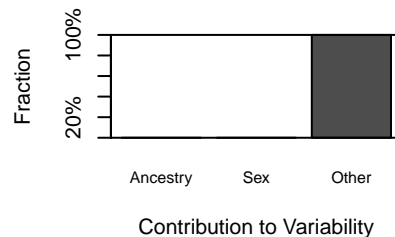
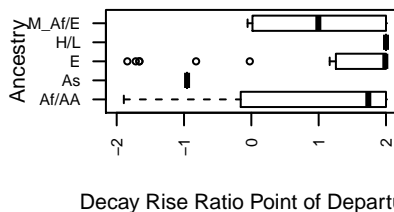
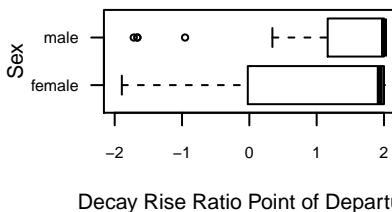
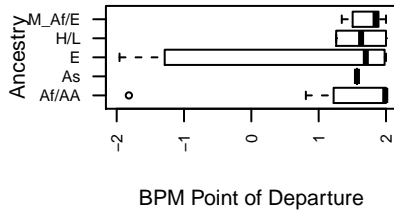
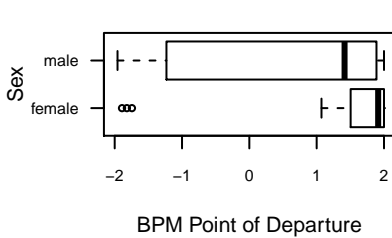
Parathion 60



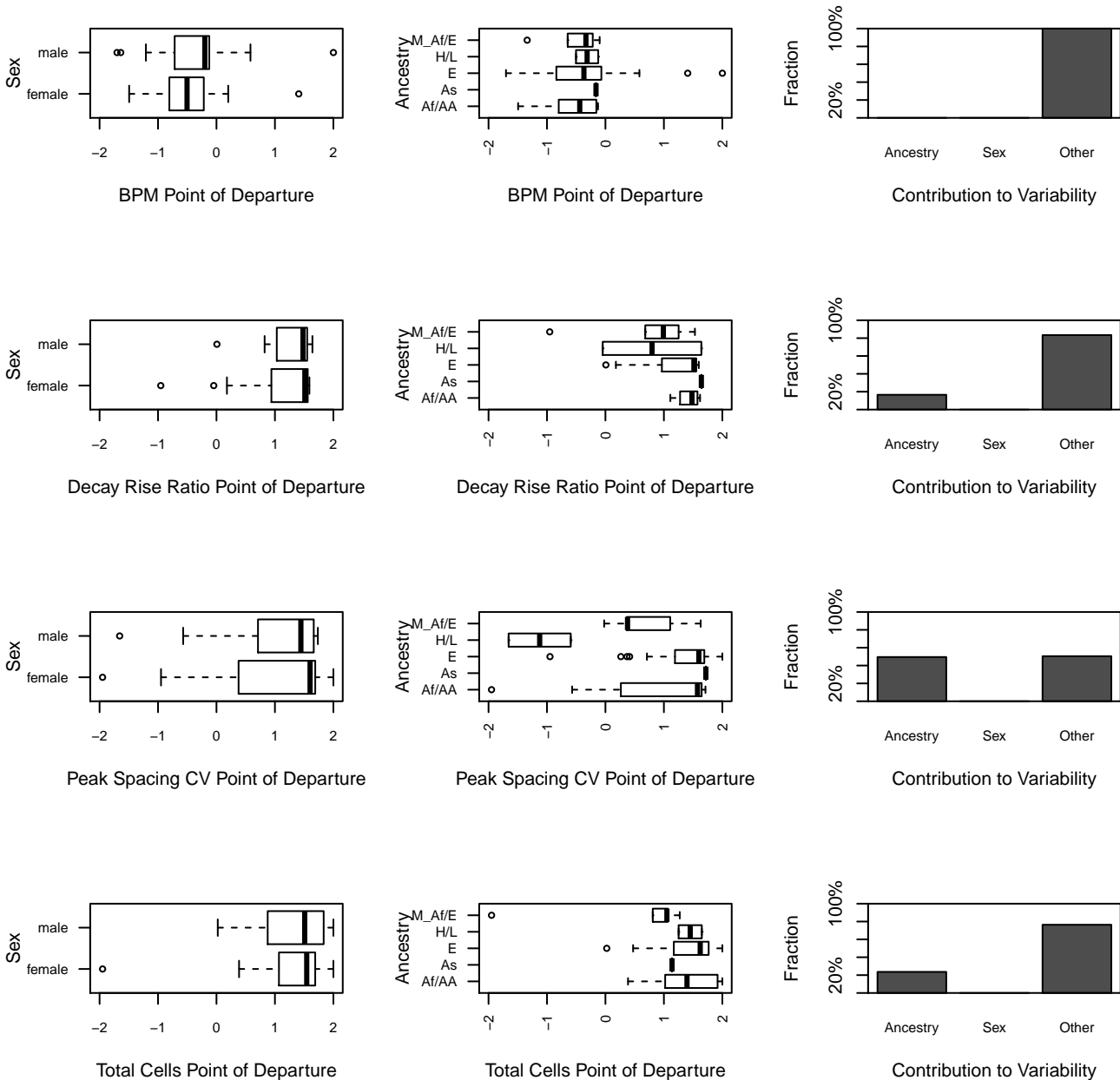
8-Hydroxyquinoline 61



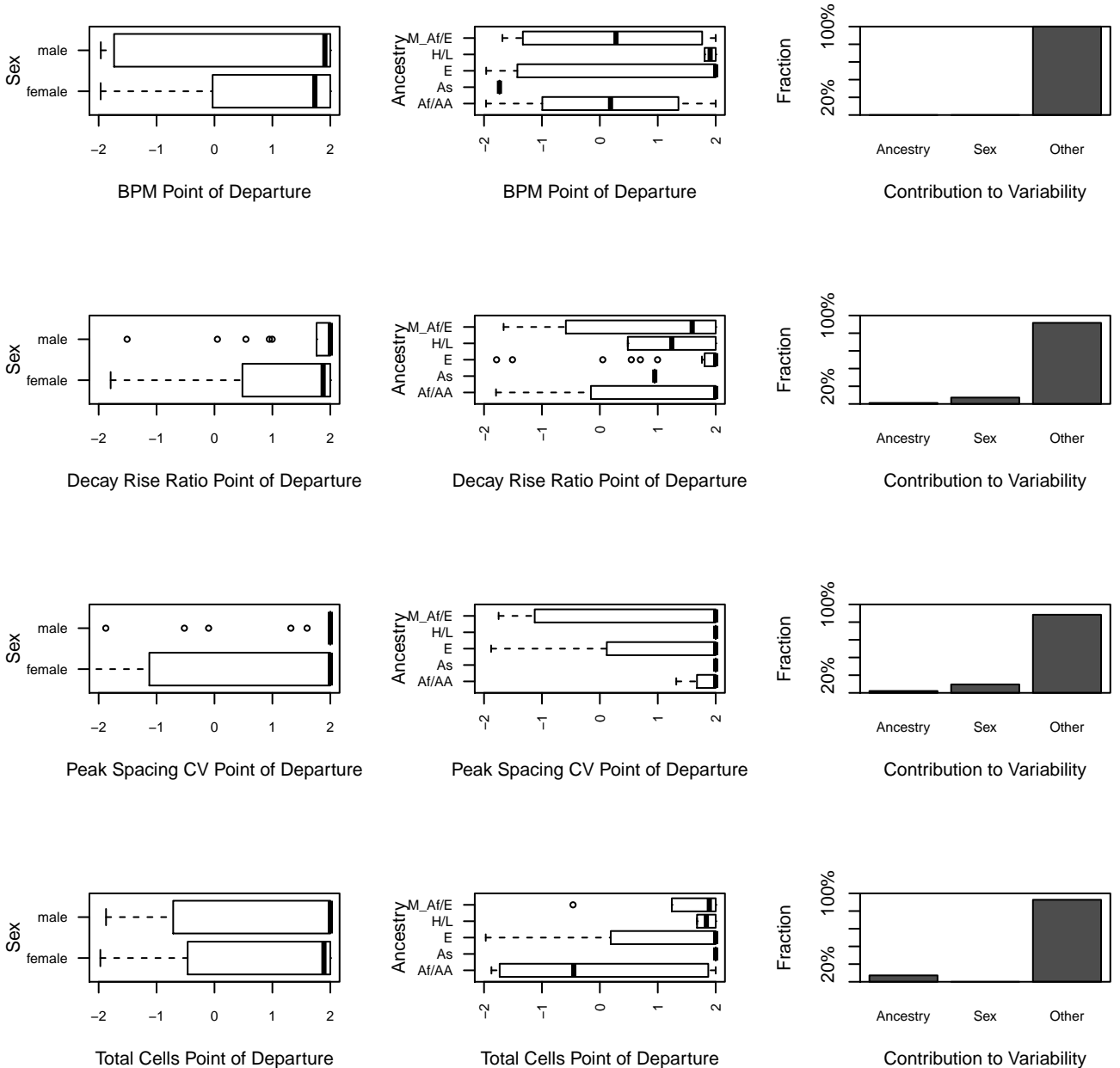
6-Propyl-2-thiouracil 6Z



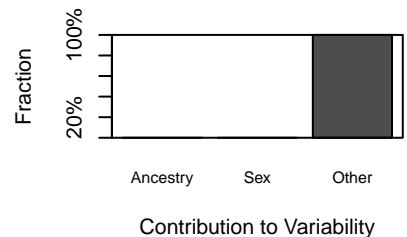
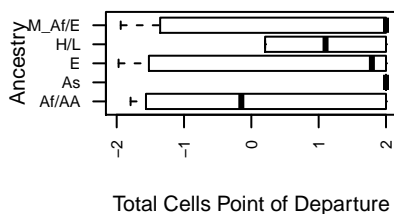
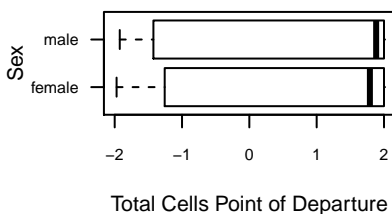
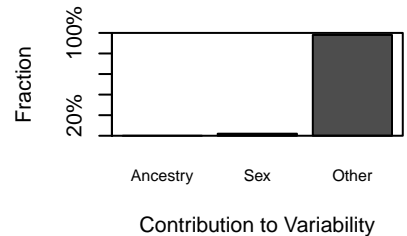
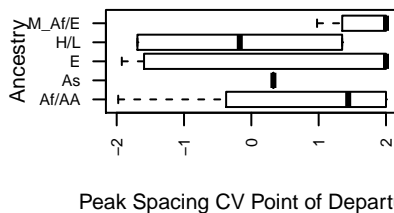
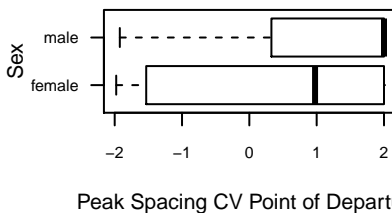
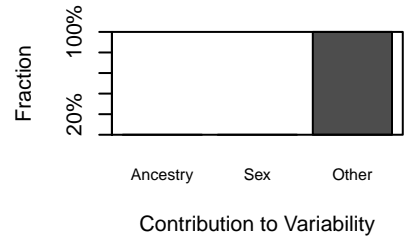
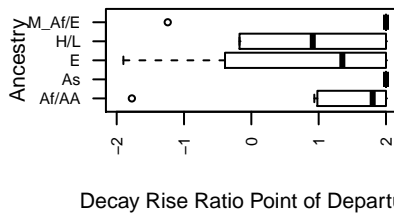
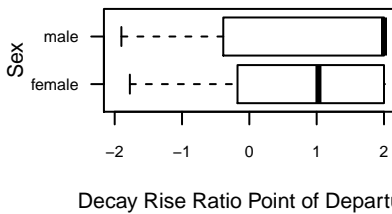
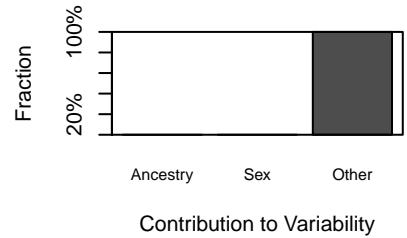
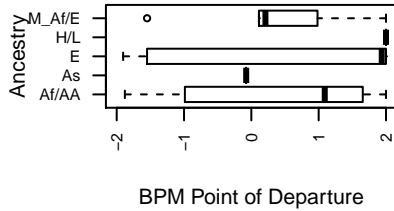
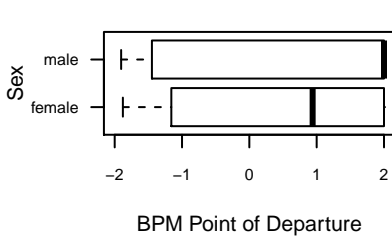
2-Ethylhexyl_diphenyl_phosphate 63



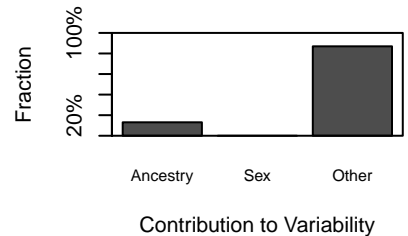
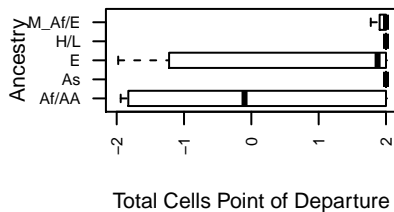
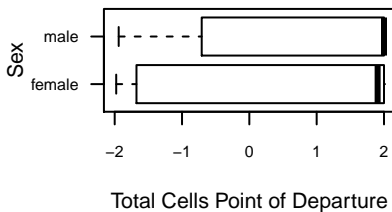
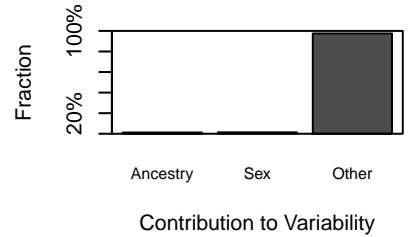
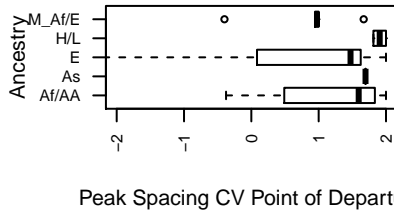
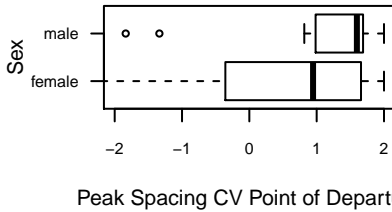
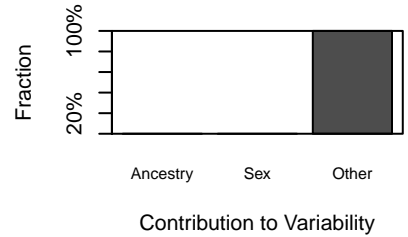
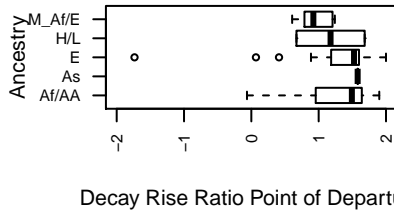
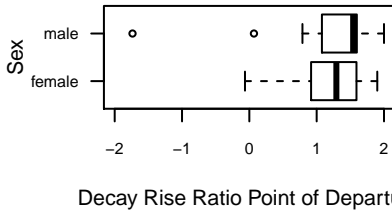
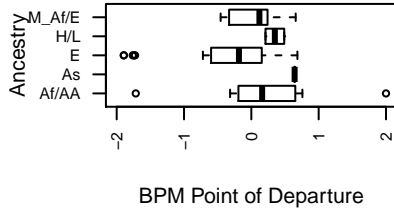
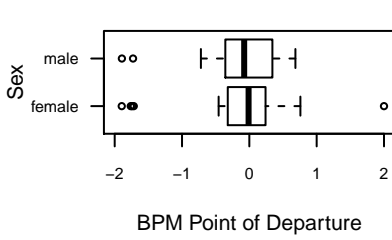
Aspartame 64



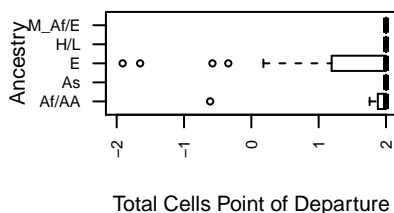
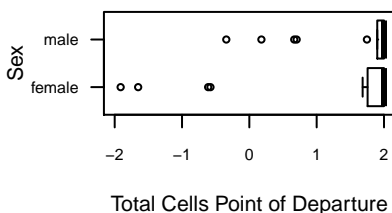
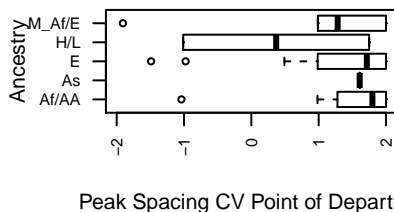
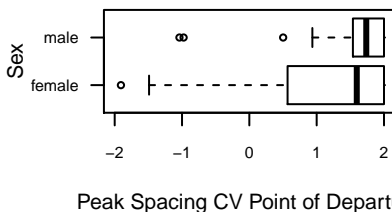
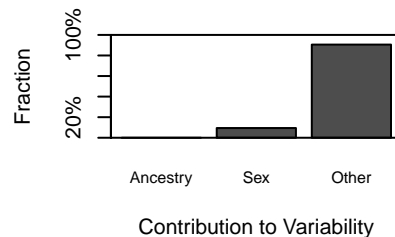
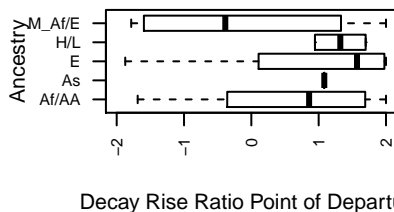
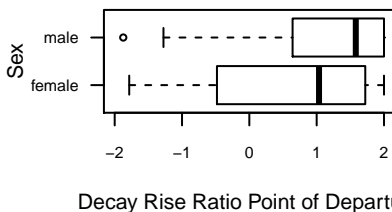
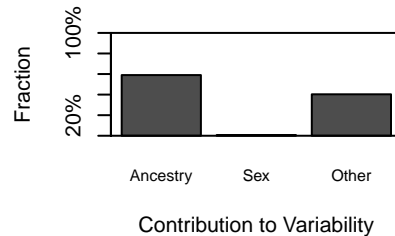
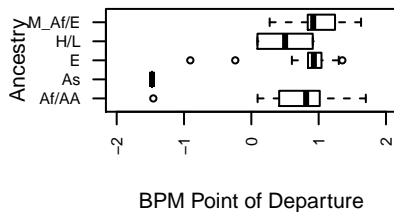
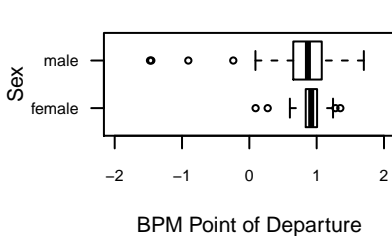
Hexanedioic_acid 65



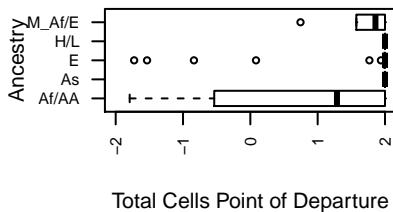
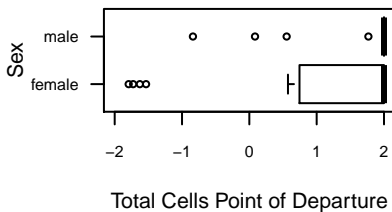
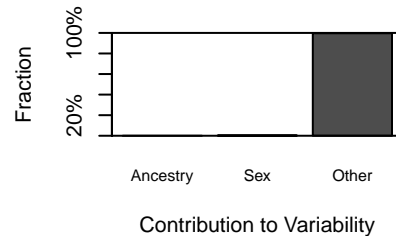
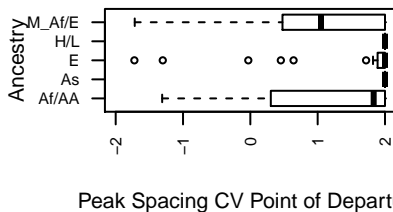
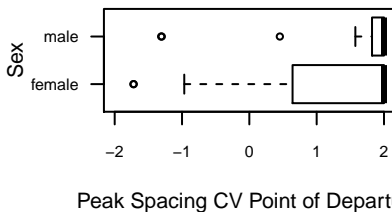
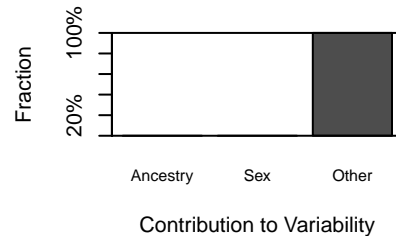
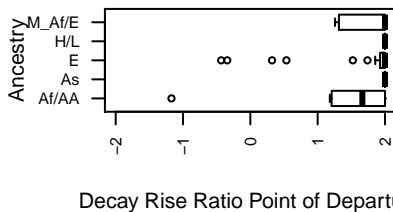
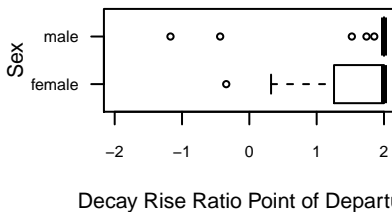
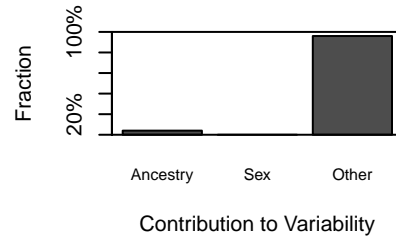
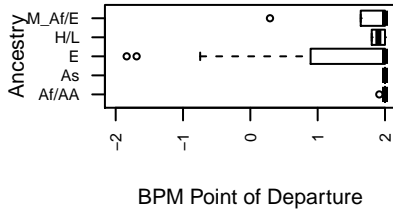
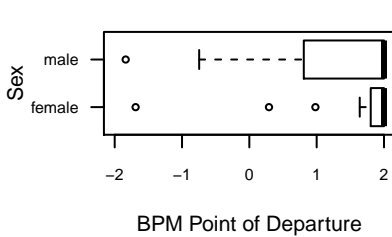
Dieldrin 66



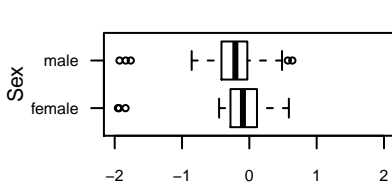
Acenaphthene 67



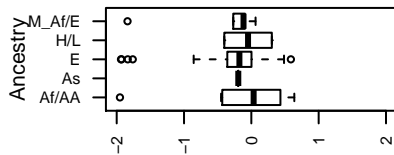
Sodium_saccharin_hydrate 68



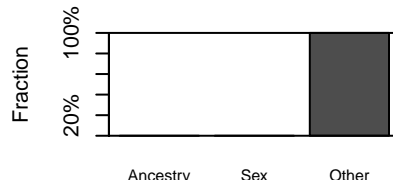
Heptachlor 69



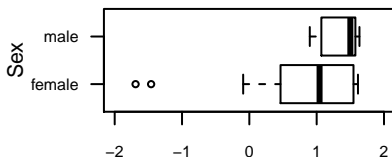
BPM Point of Departure



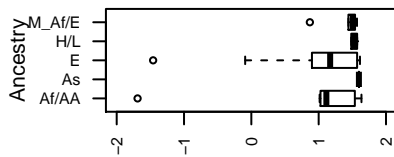
BPM Point of Departure



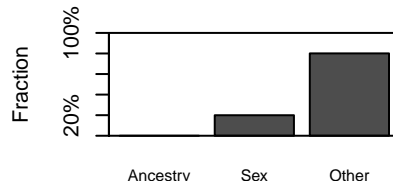
Contribution to Variability



Decay Rise Ratio Point of Departure



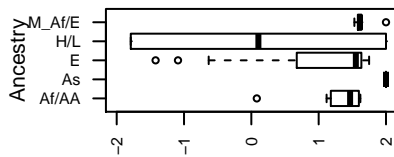
Decay Rise Ratio Point of Departure



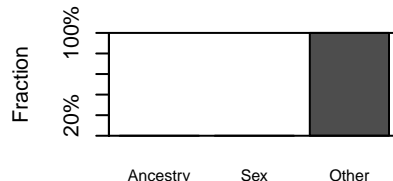
Contribution to Variability



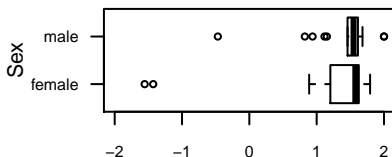
Peak Spacing CV Point of Departure



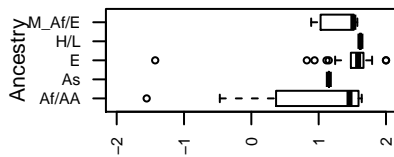
Peak Spacing CV Point of Departure



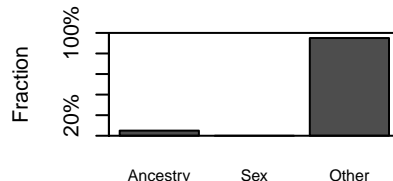
Contribution to Variability



Total Cells Point of Departure

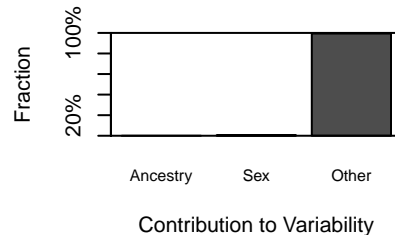
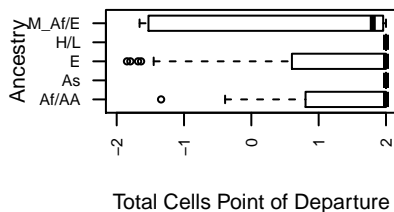
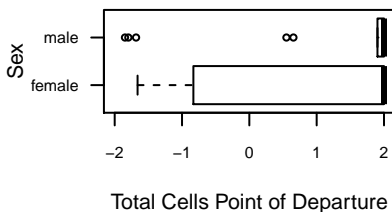
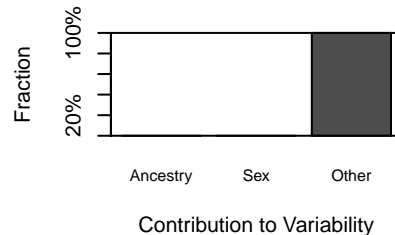
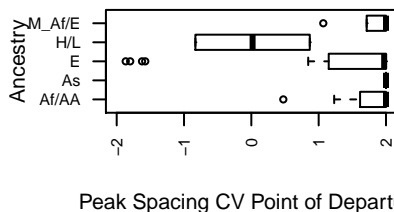
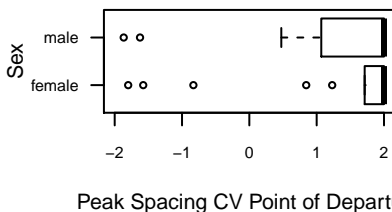
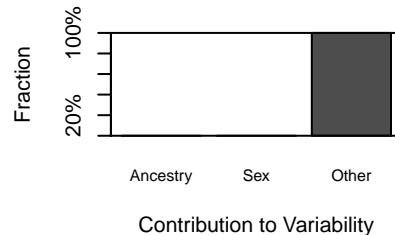
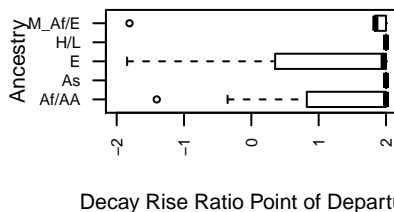
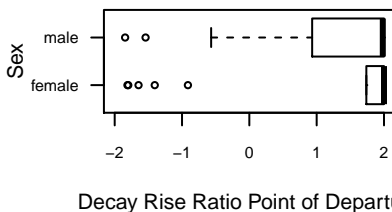
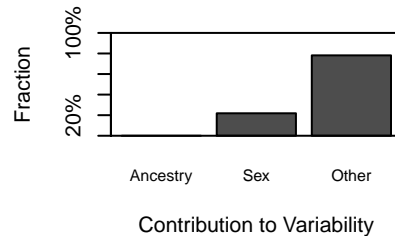
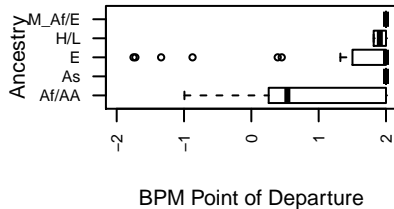
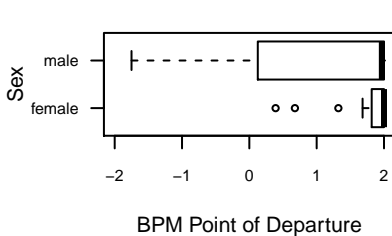


Total Cells Point of Departure

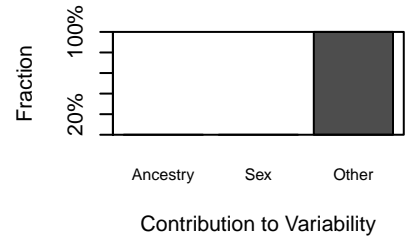
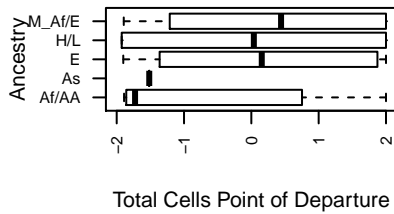
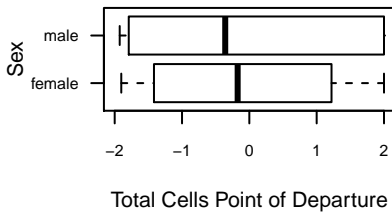
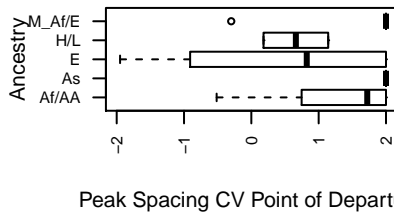
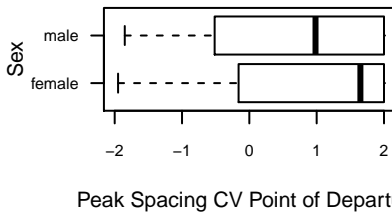
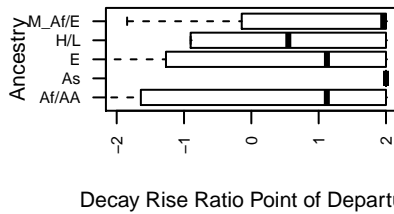
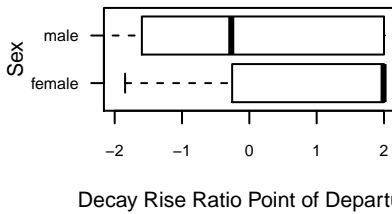
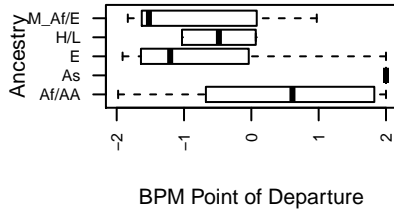
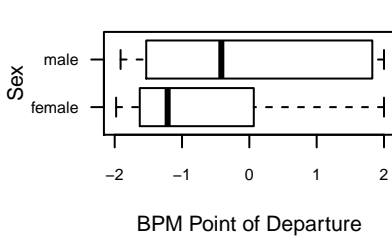


Contribution to Variability

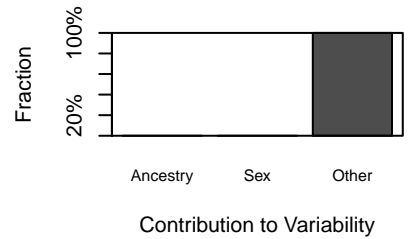
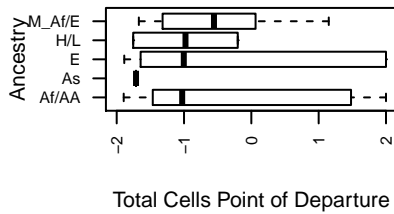
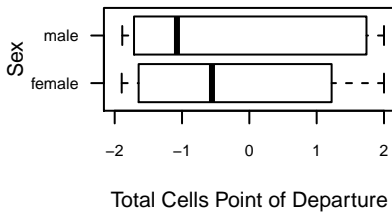
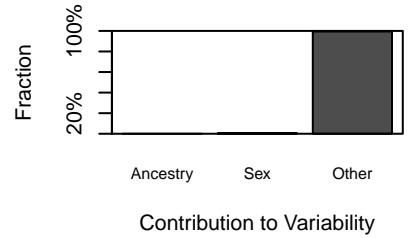
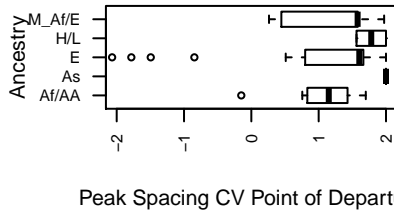
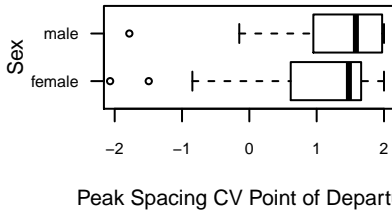
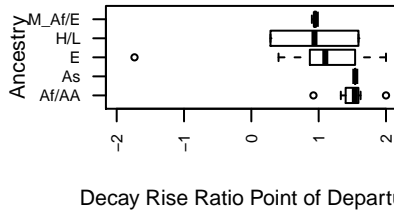
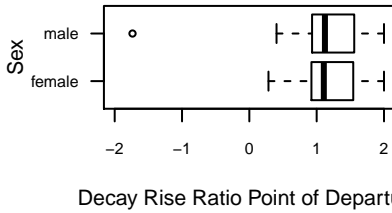
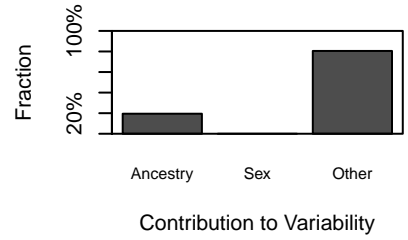
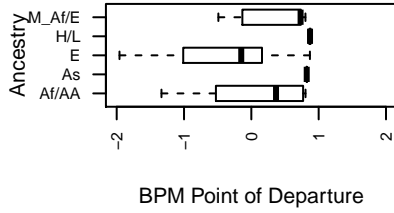
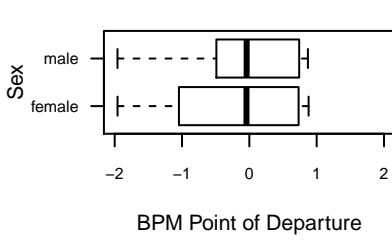
D-Glucitol 70



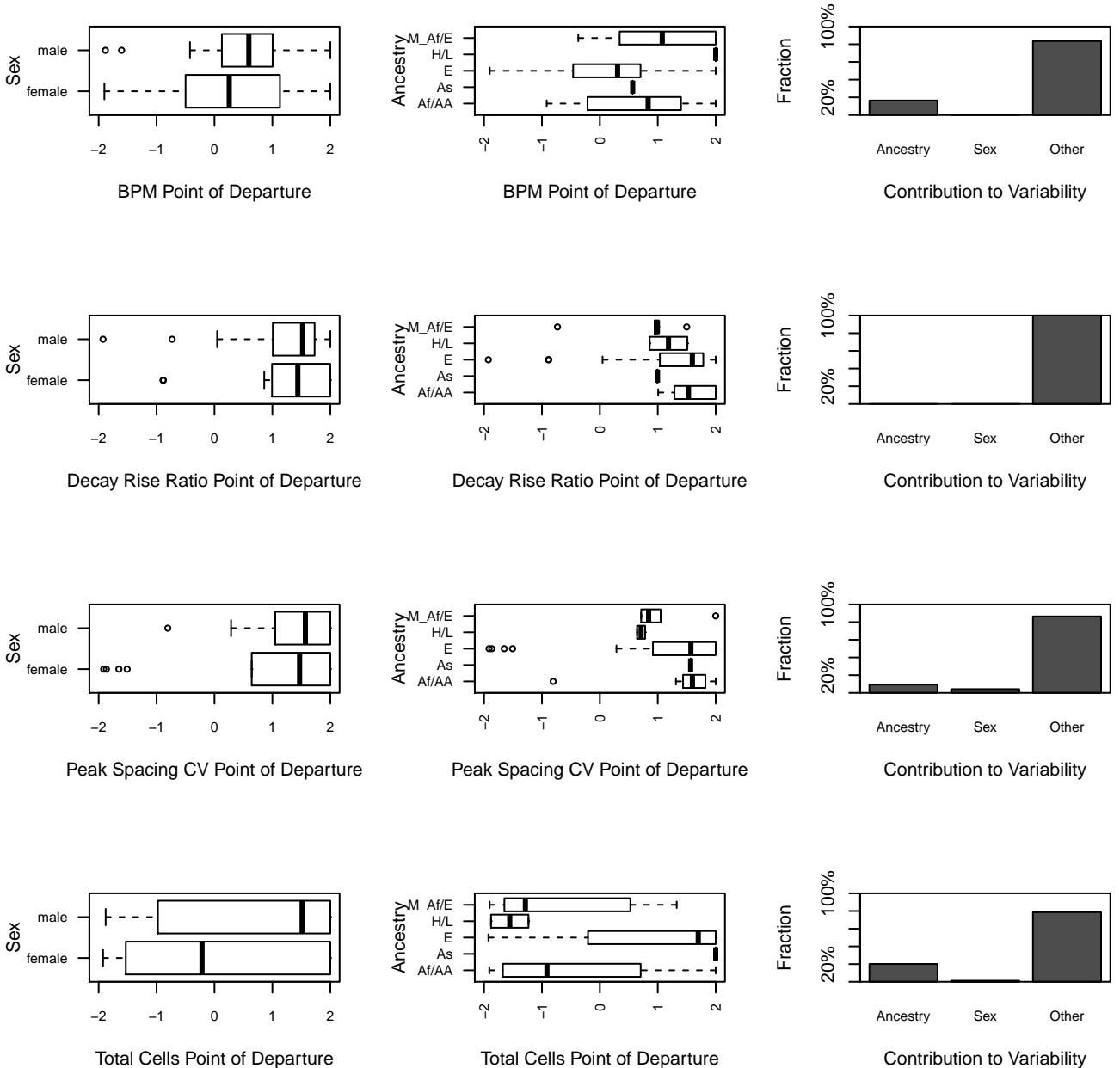
Colchicine 71



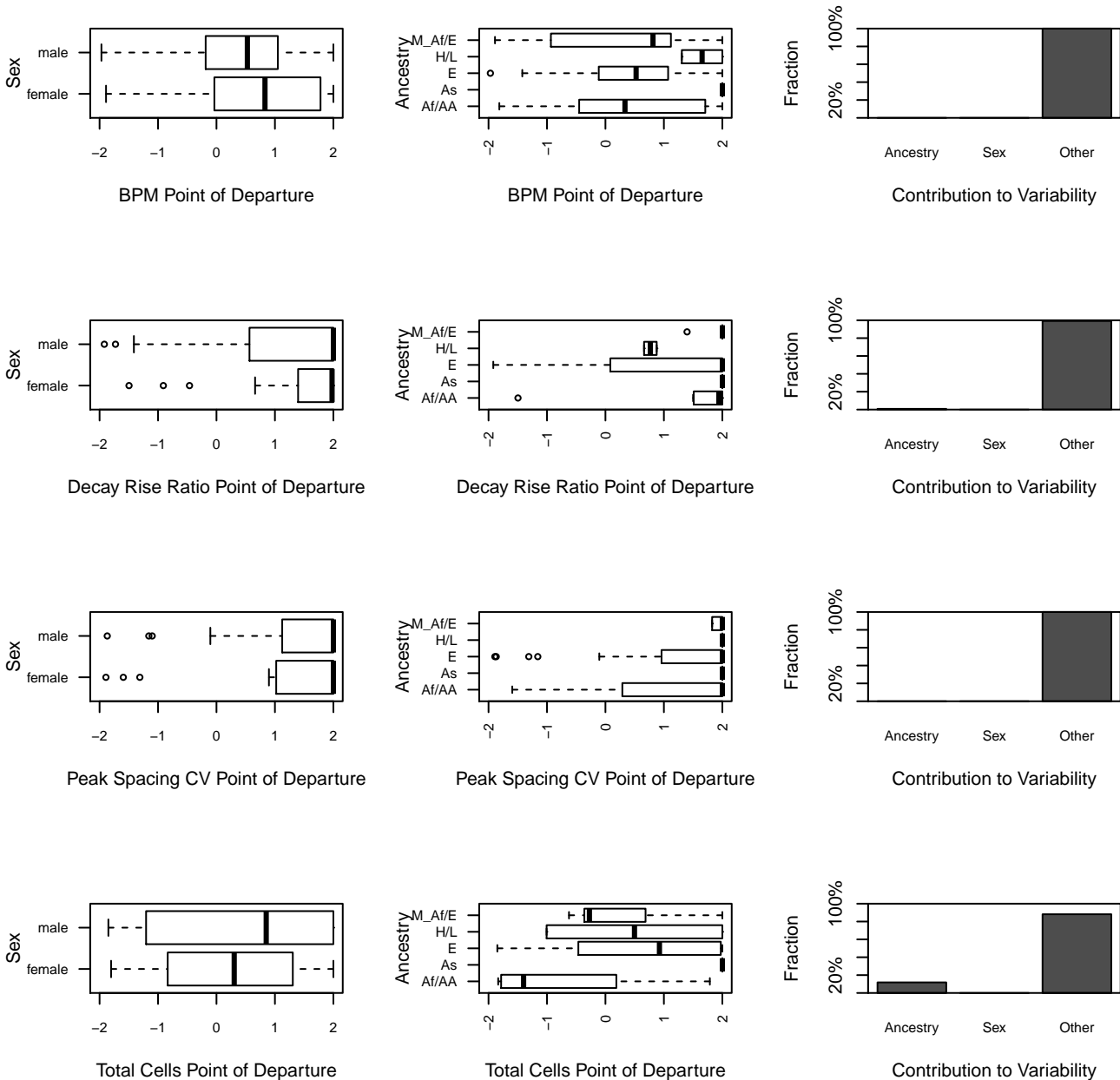
Lindane 72



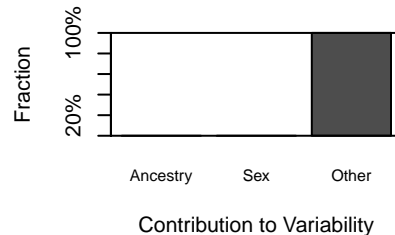
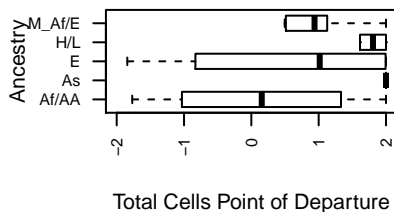
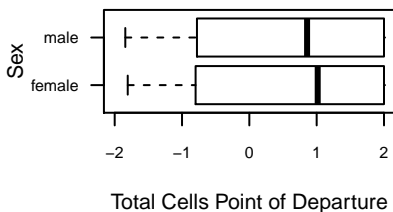
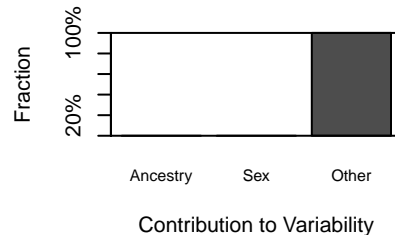
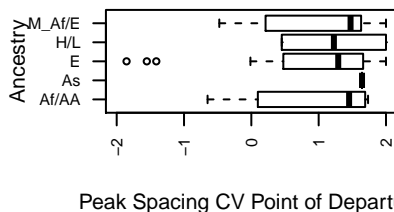
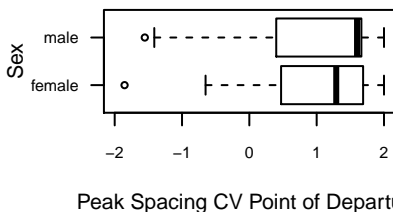
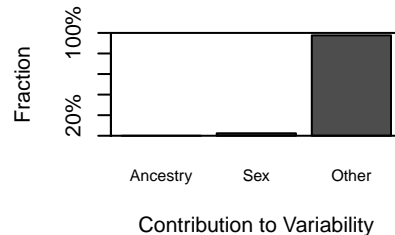
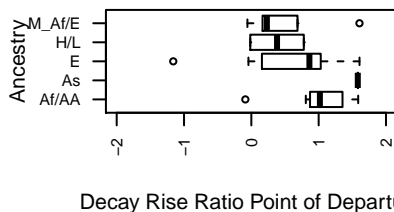
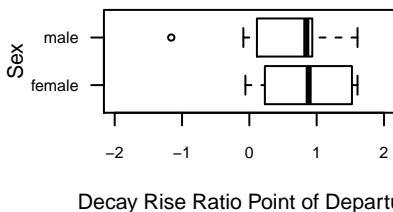
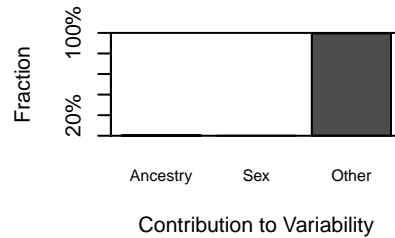
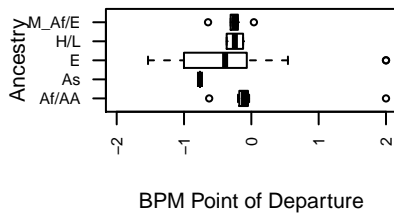
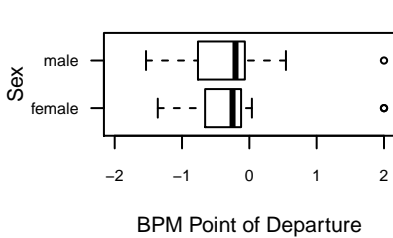
Phenanthrene 73



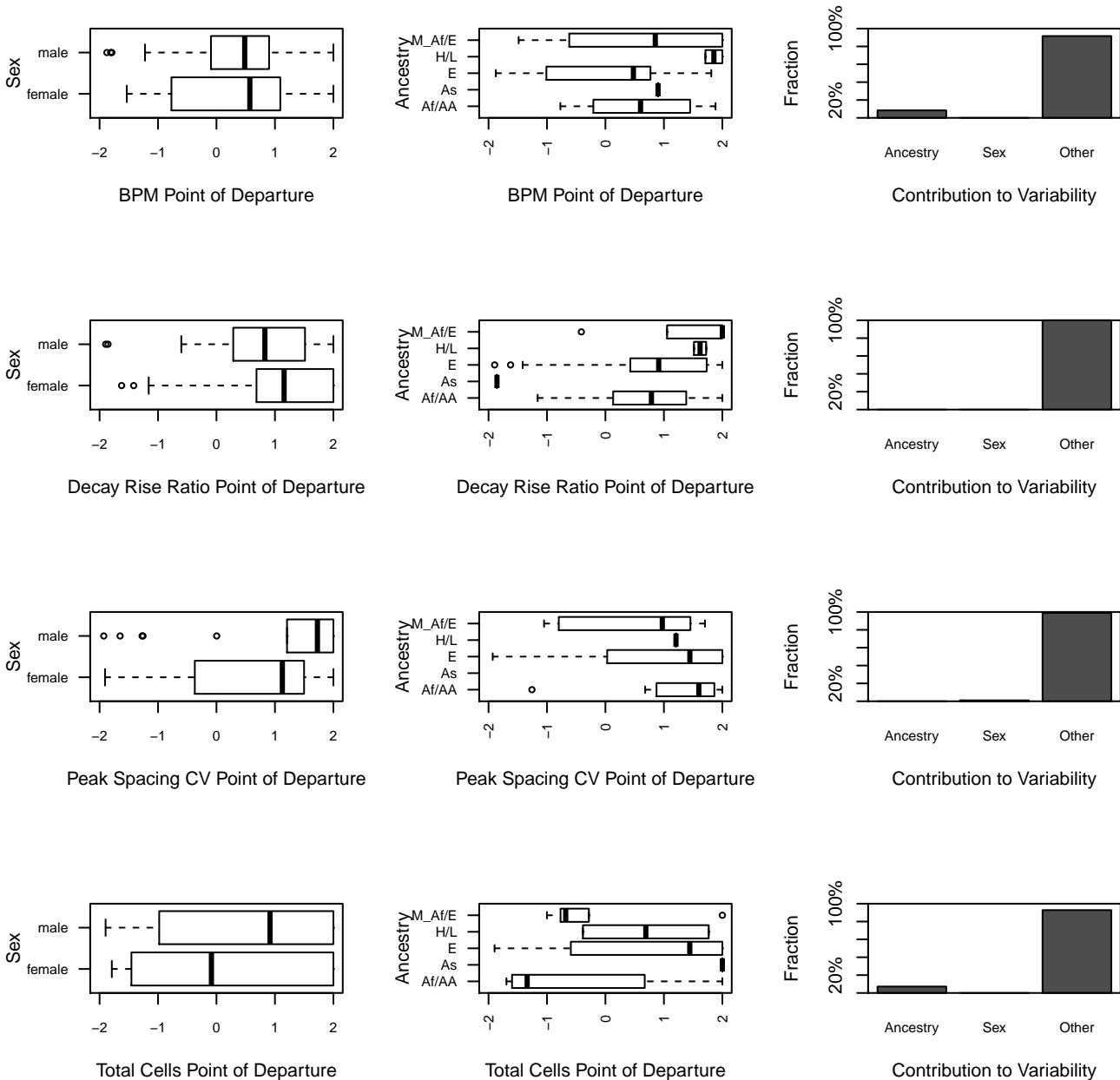
Aldicarb 74



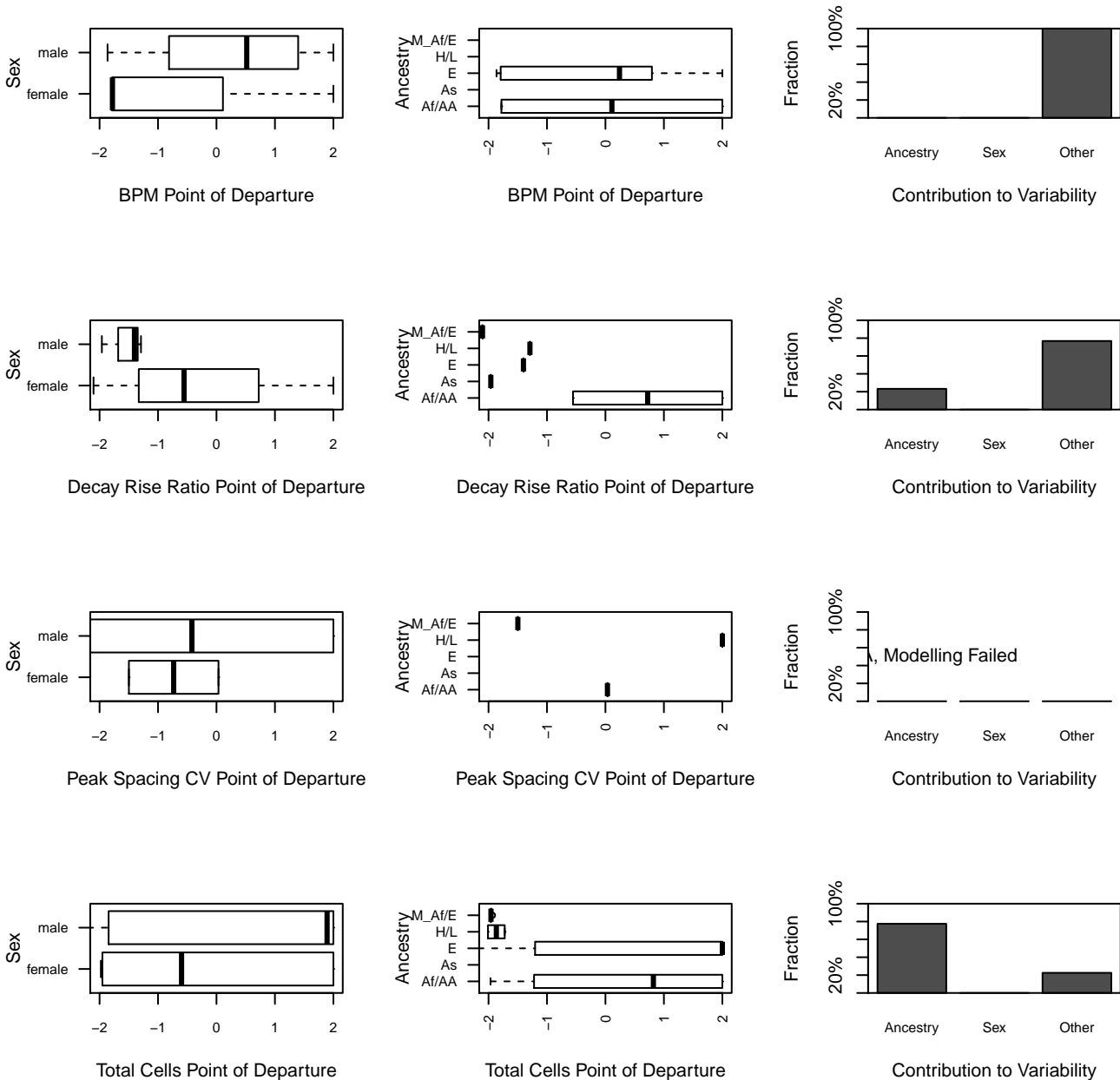
Permethrin 75



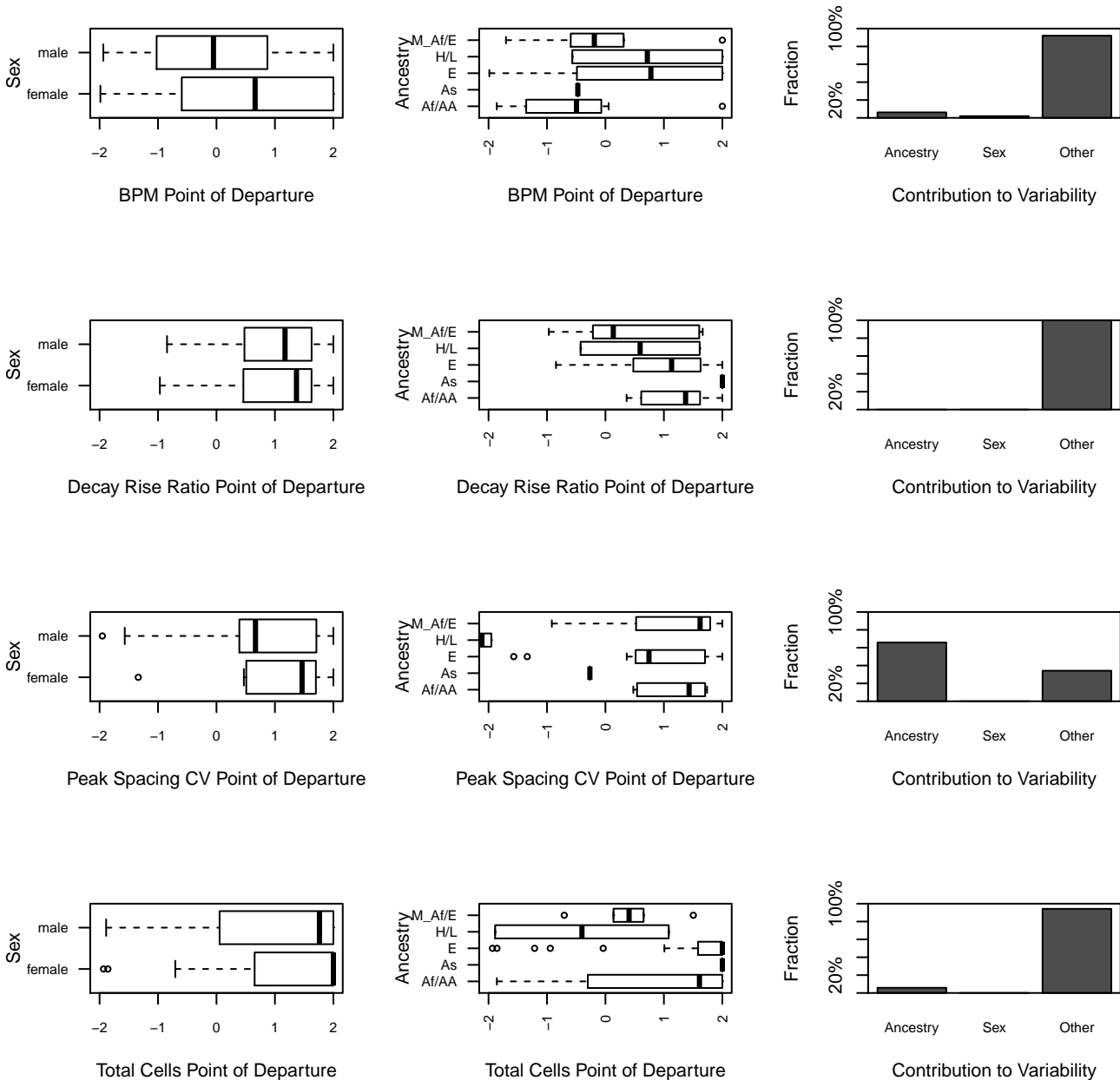
Dazomet 76



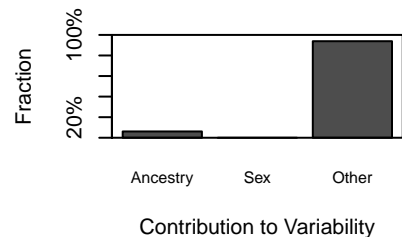
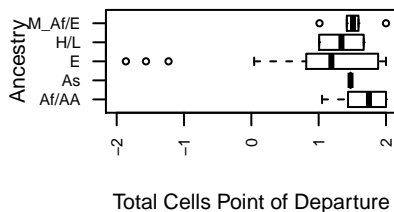
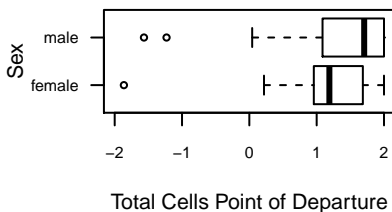
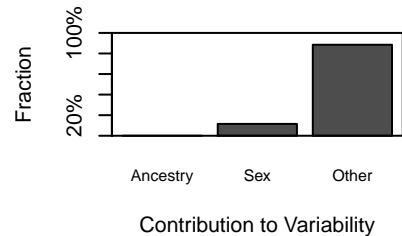
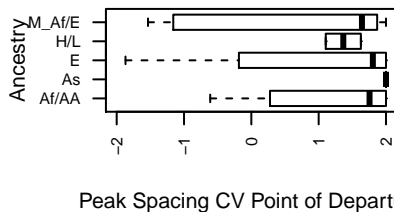
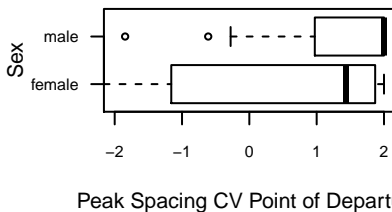
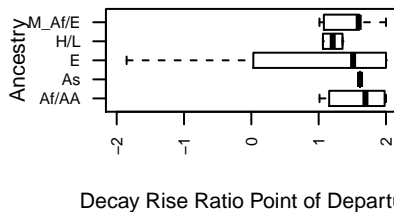
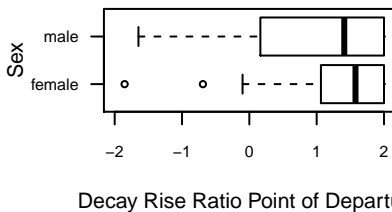
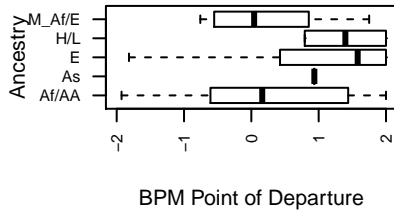
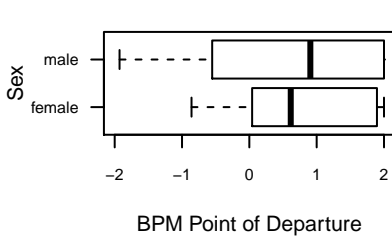
Rotenone 77



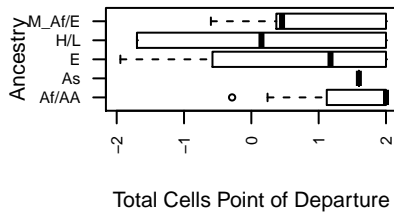
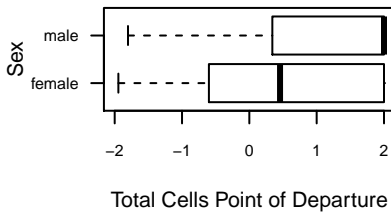
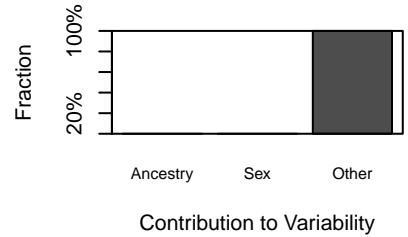
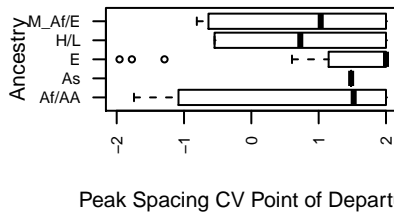
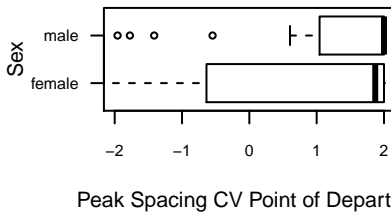
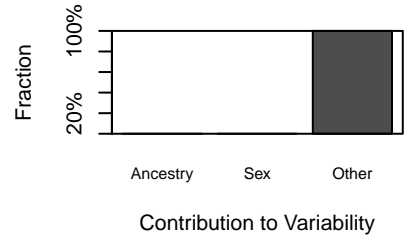
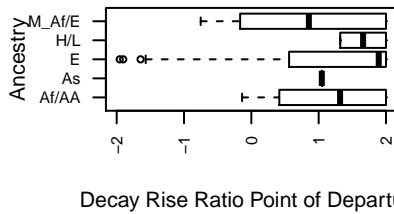
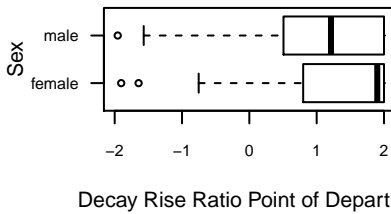
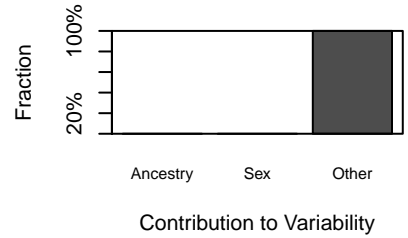
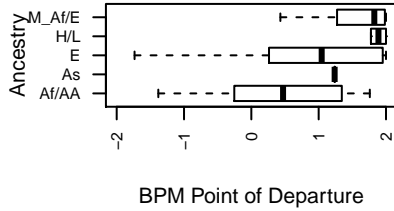
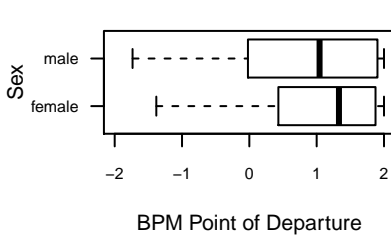
Manganese(2)acetate 78



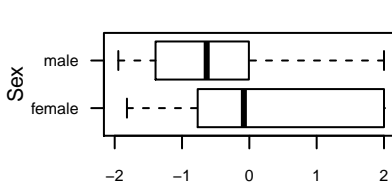
Captan 79



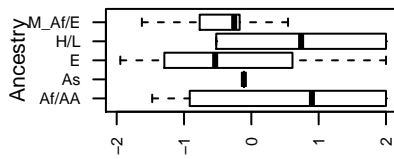
5-Fluorouracil 80



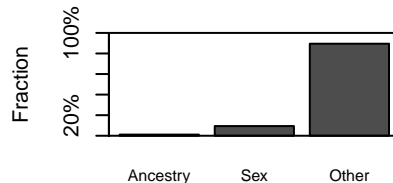
Hexachlorophene 81



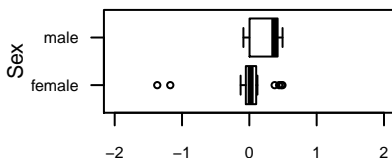
BPM Point of Departure



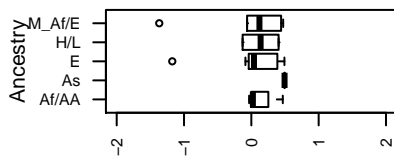
BPM Point of Departure



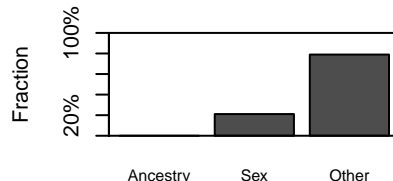
Contribution to Variability



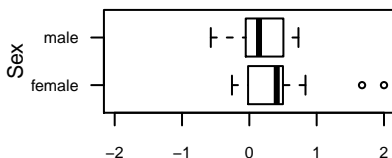
Decay Rise Ratio Point of Departure



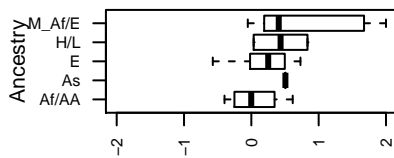
Decay Rise Ratio Point of Departure



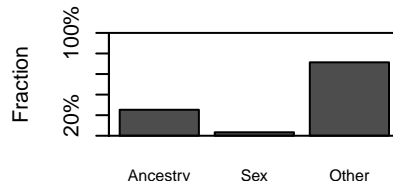
Contribution to Variability



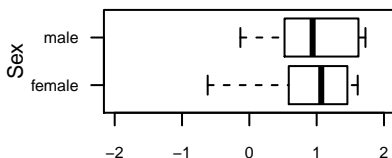
Peak Spacing CV Point of Departure



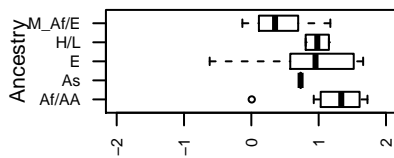
Peak Spacing CV Point of Departure



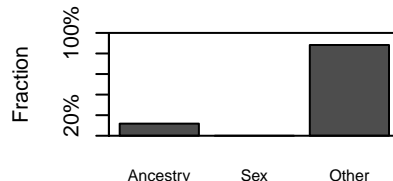
Contribution to Variability



Total Cells Point of Departure

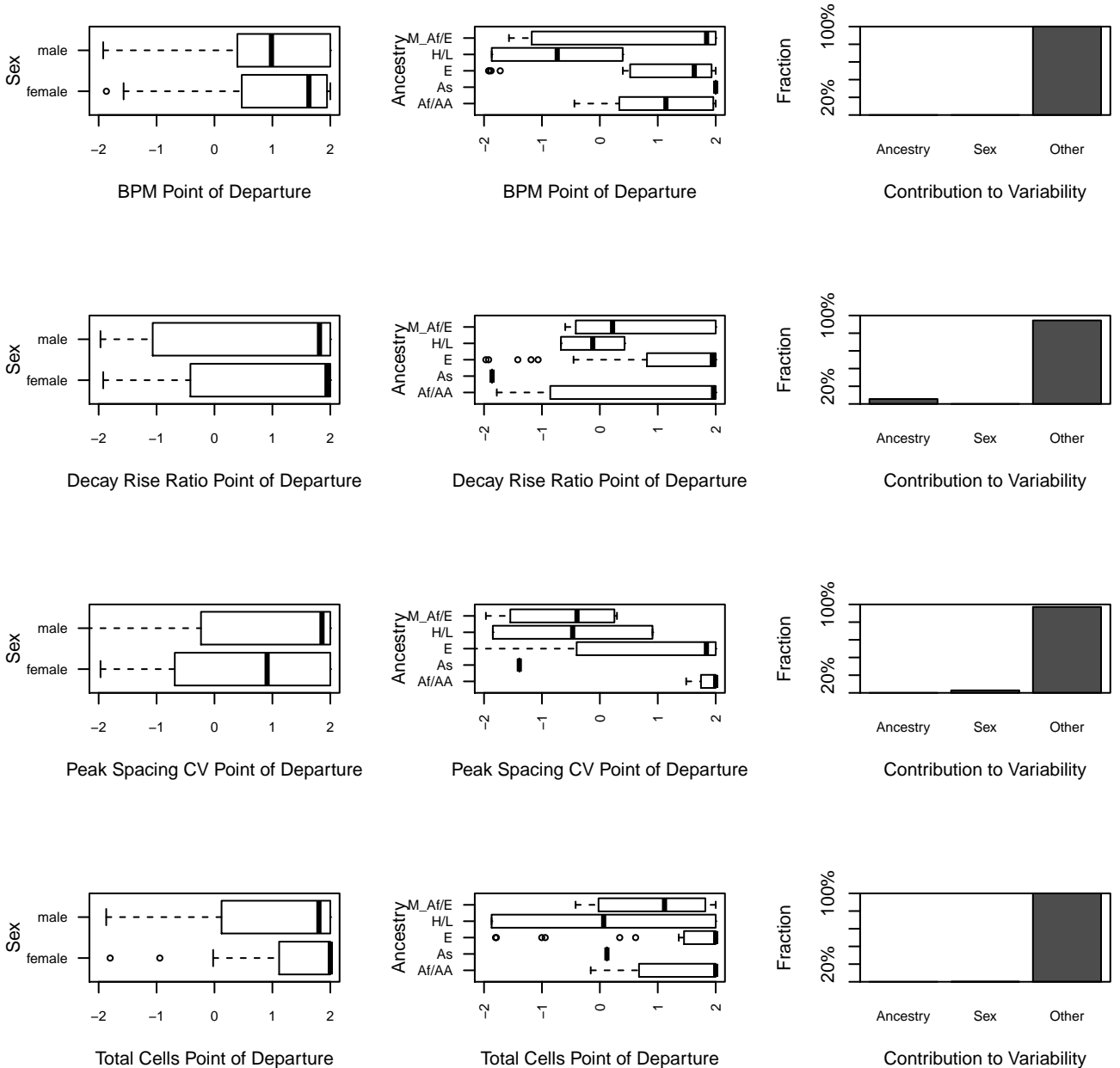


Total Cells Point of Departure

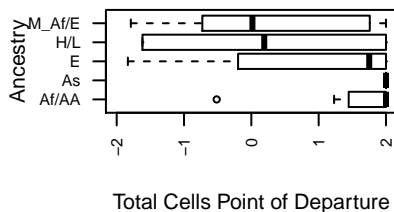
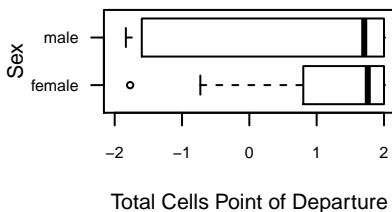
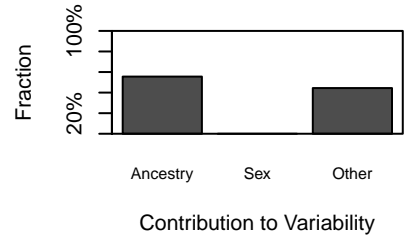
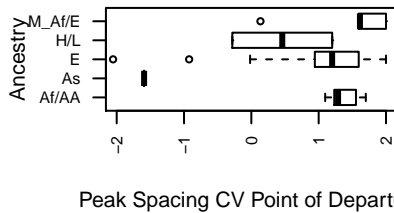
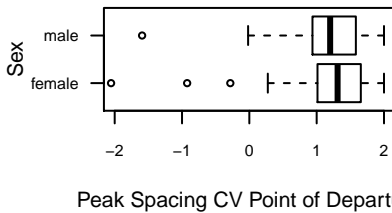
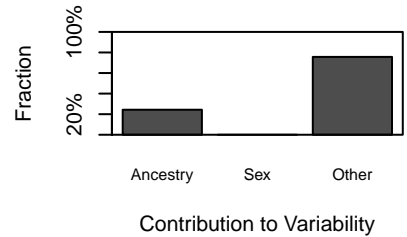
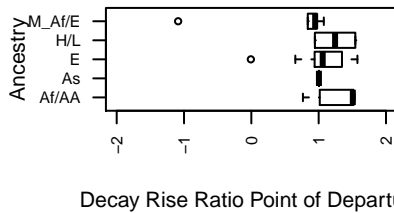
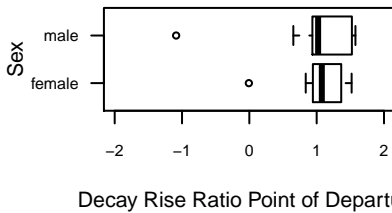
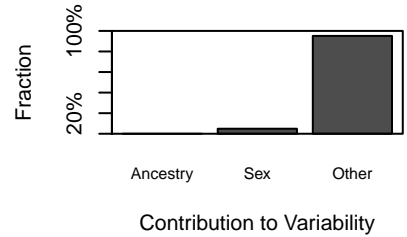
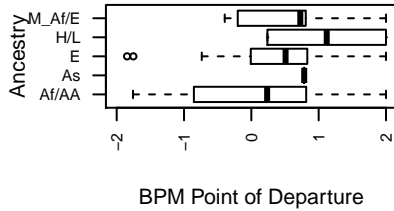
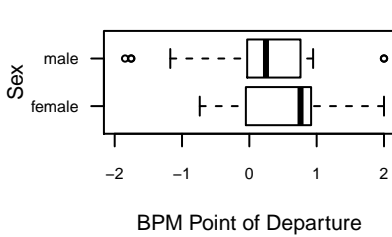


Contribution to Variability

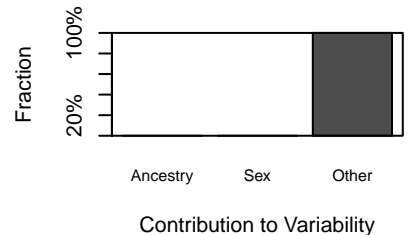
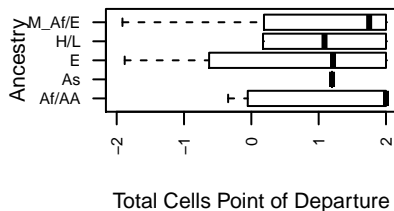
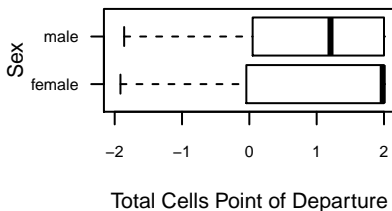
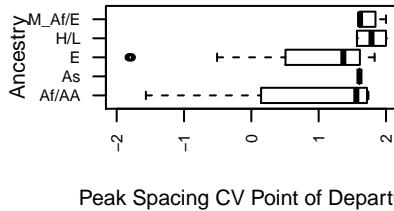
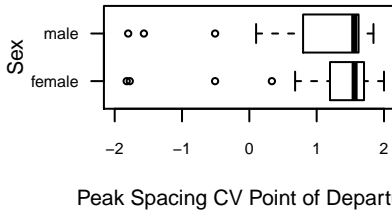
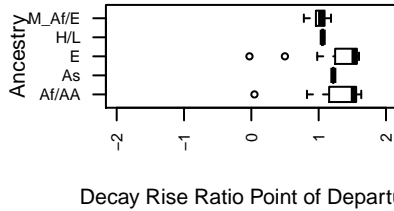
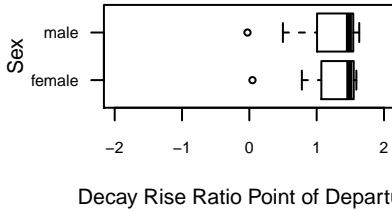
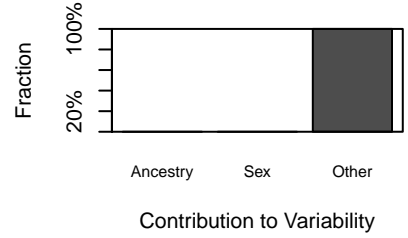
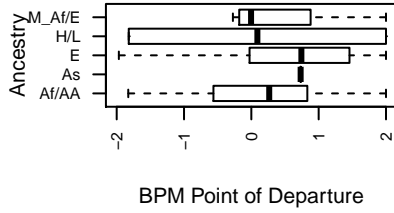
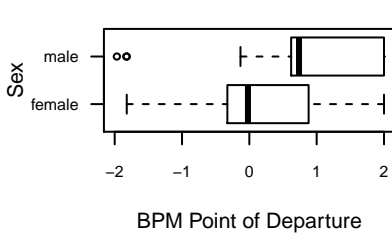
3,3'-Iminobispropanenitrile 82



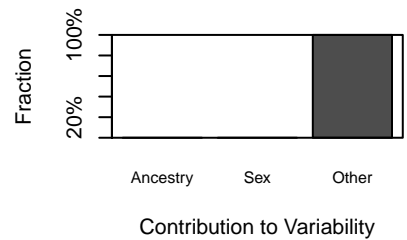
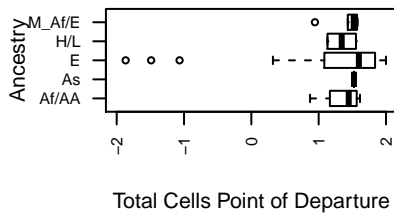
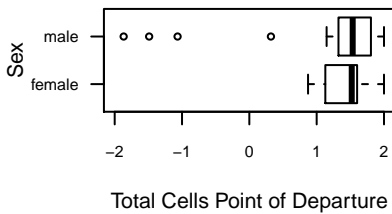
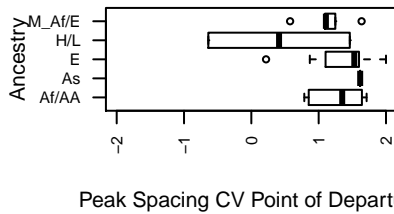
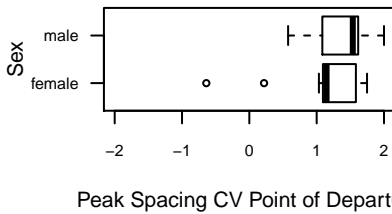
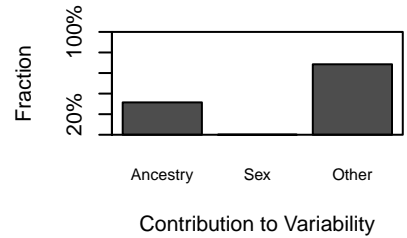
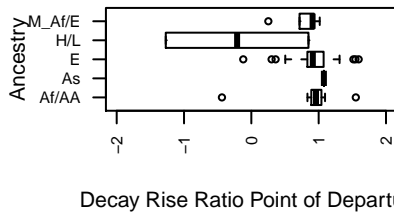
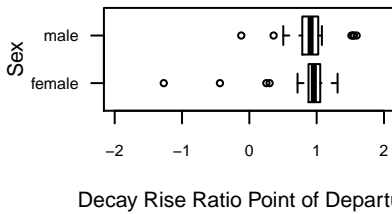
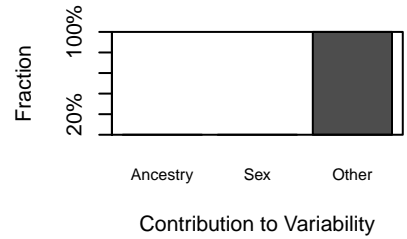
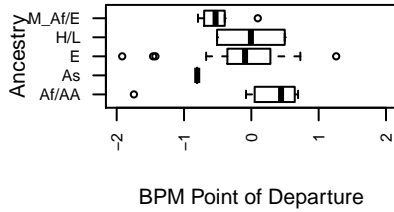
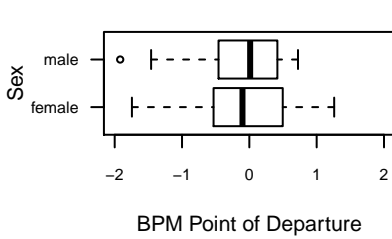
2-Phenylphenol 83



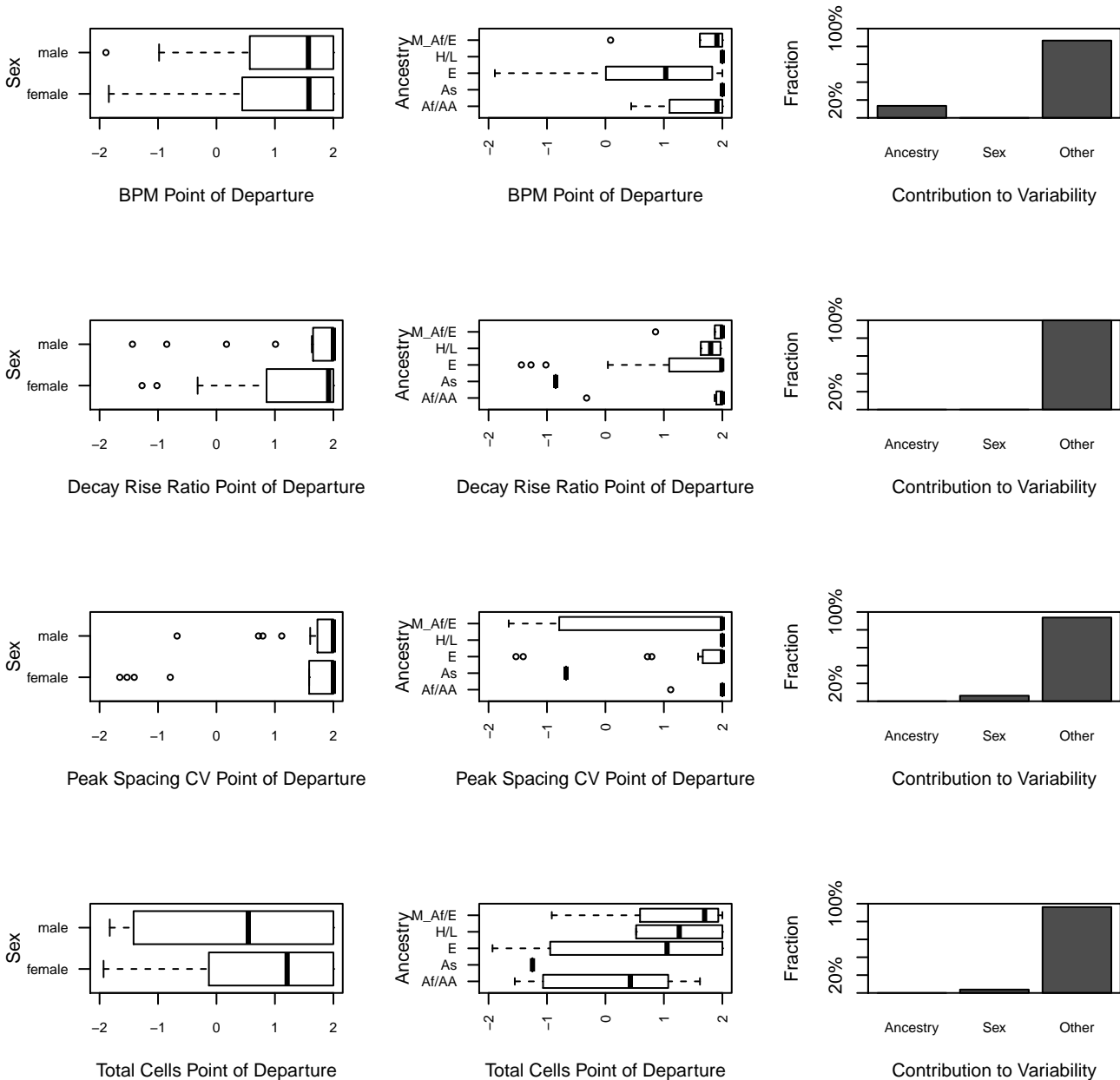
Myclobutanil 84



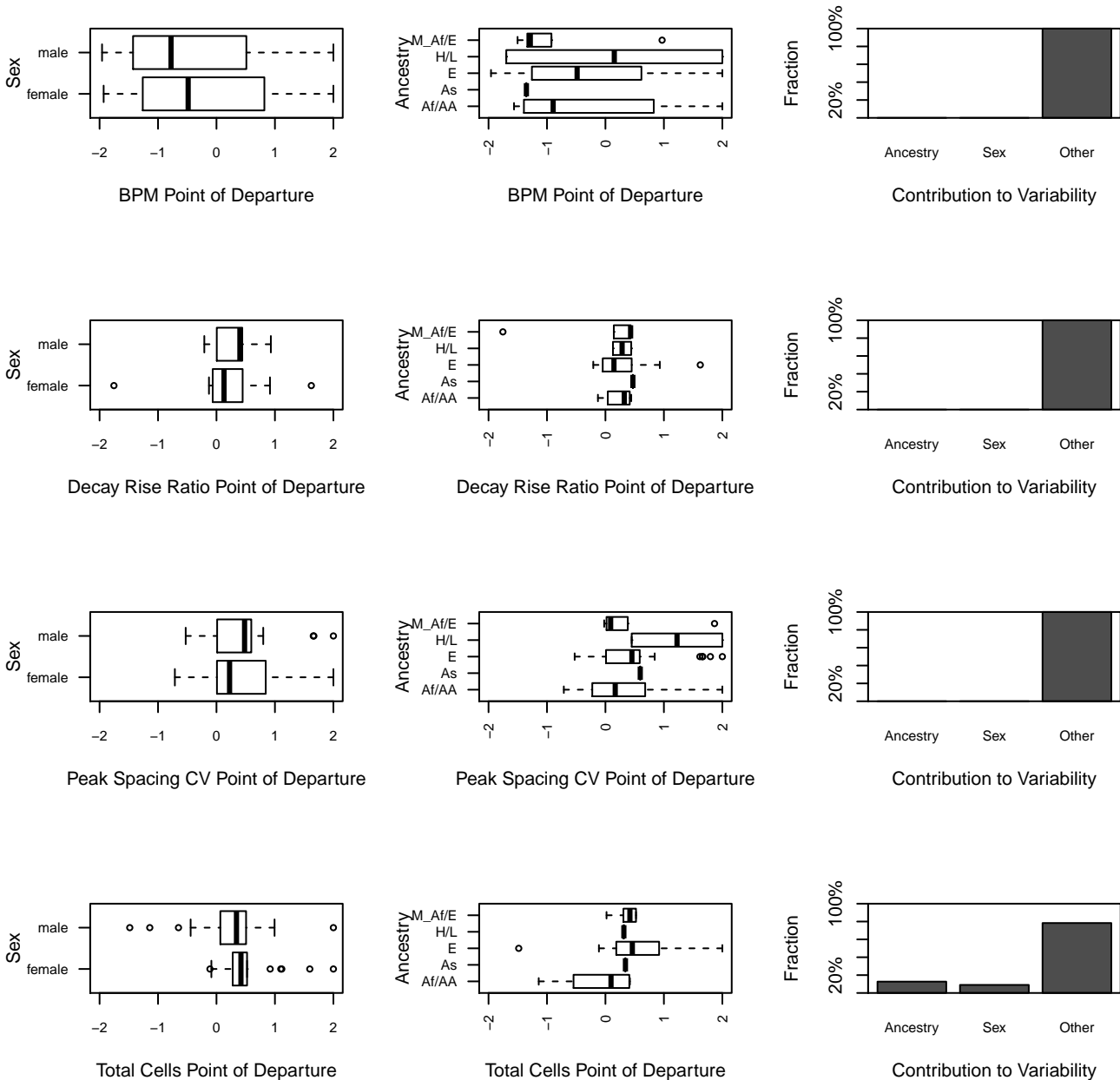
Acetochlor 85



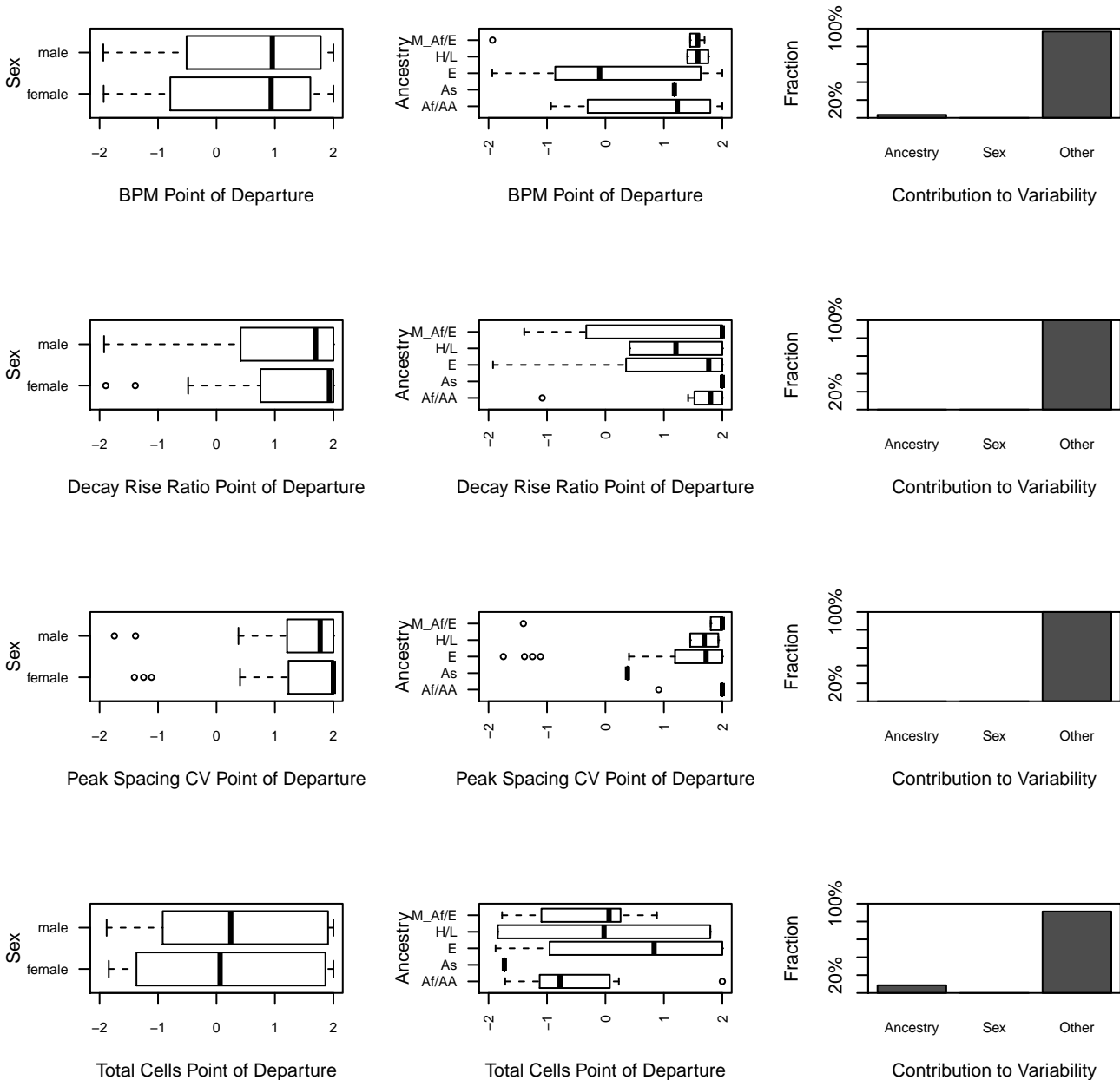
Hexachloro-1,3-butadiene 86



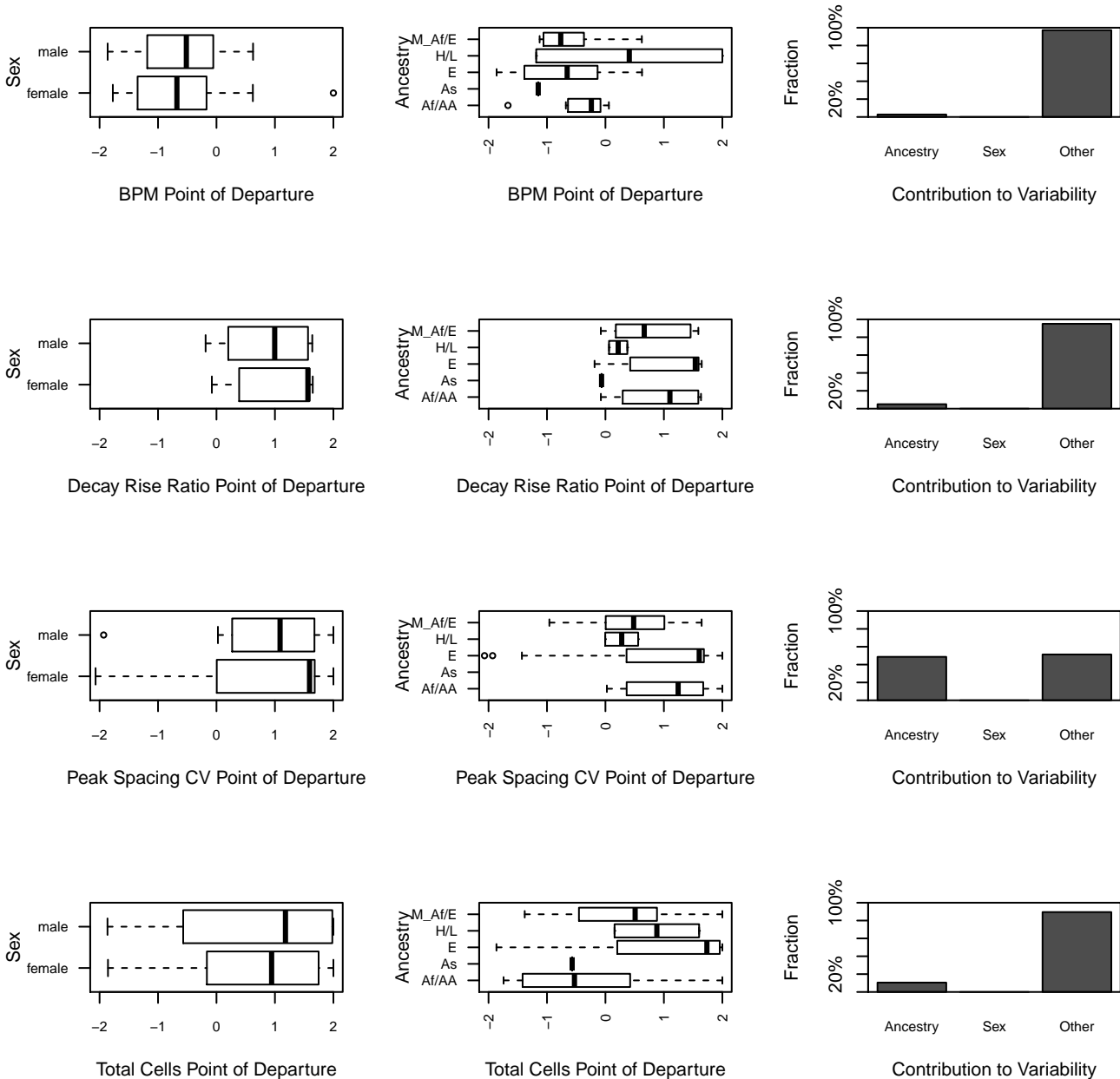
Octhlinone 87



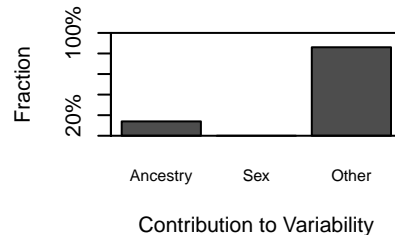
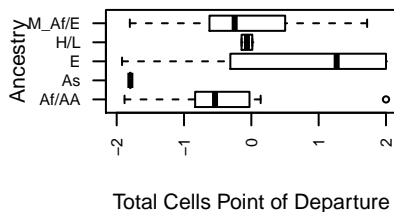
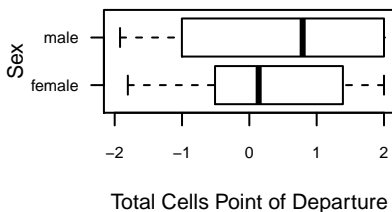
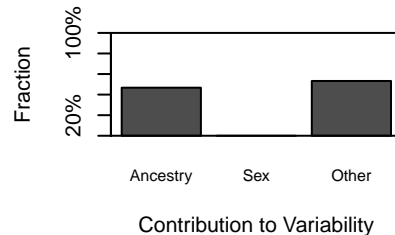
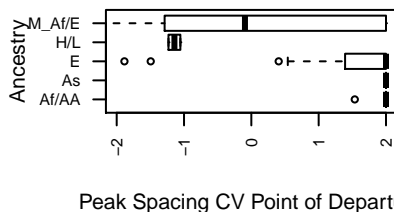
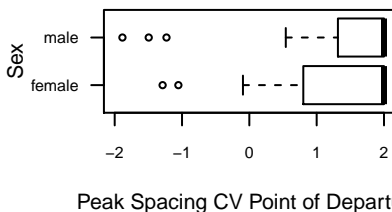
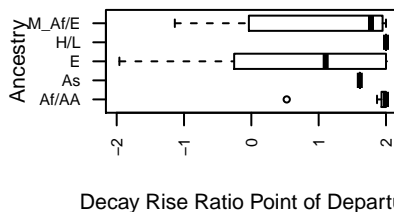
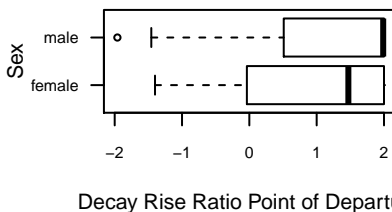
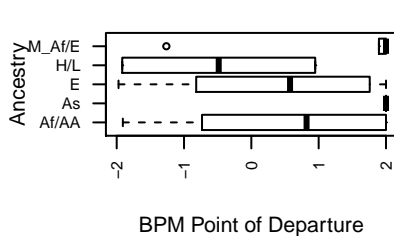
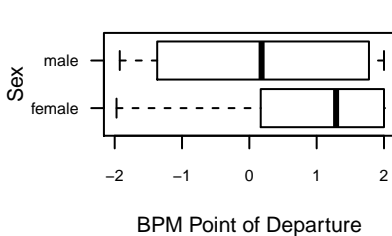
6-Thioguanine 88



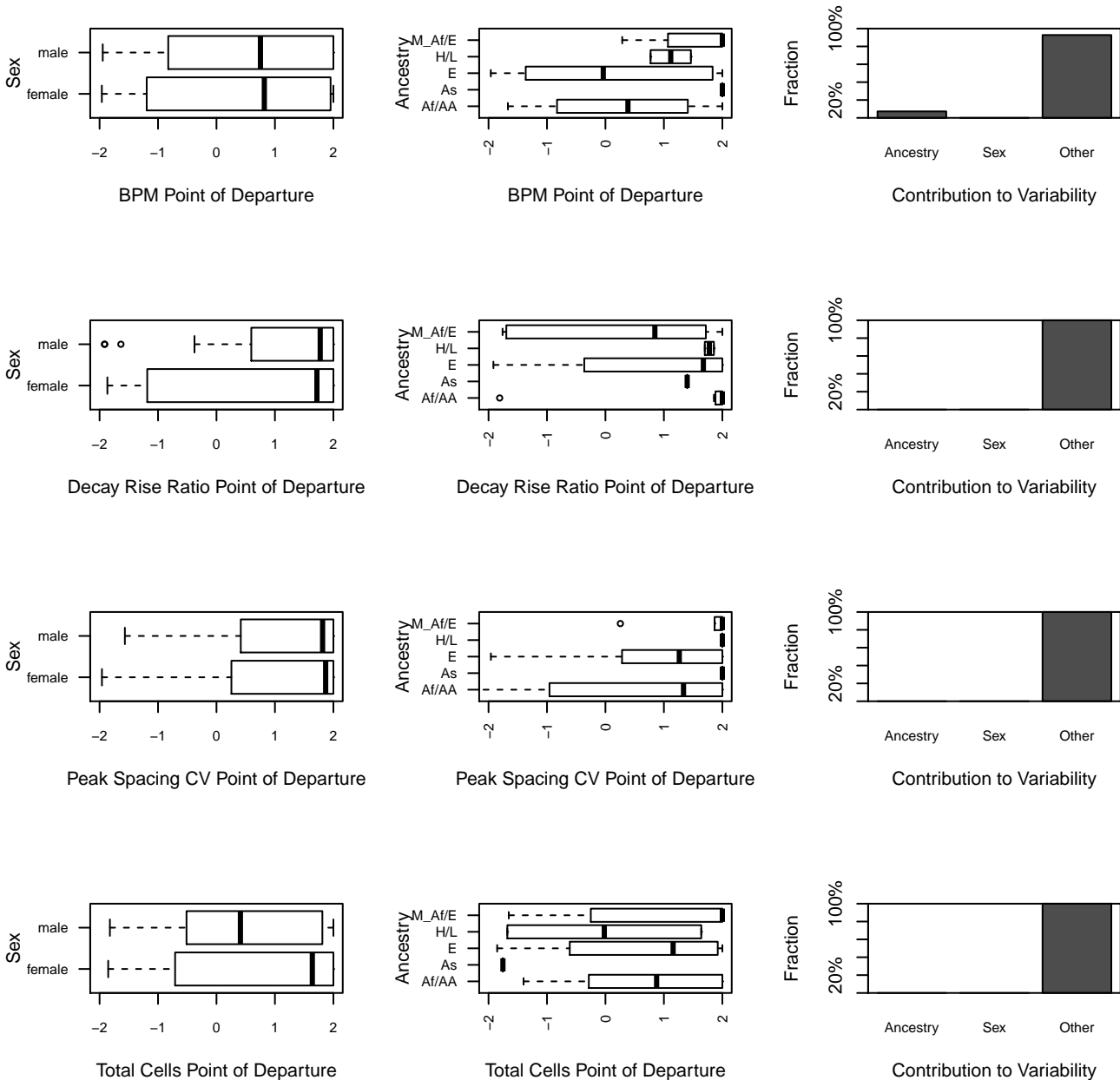
tert-Butylphenyl_diphenyl_phosphate 89



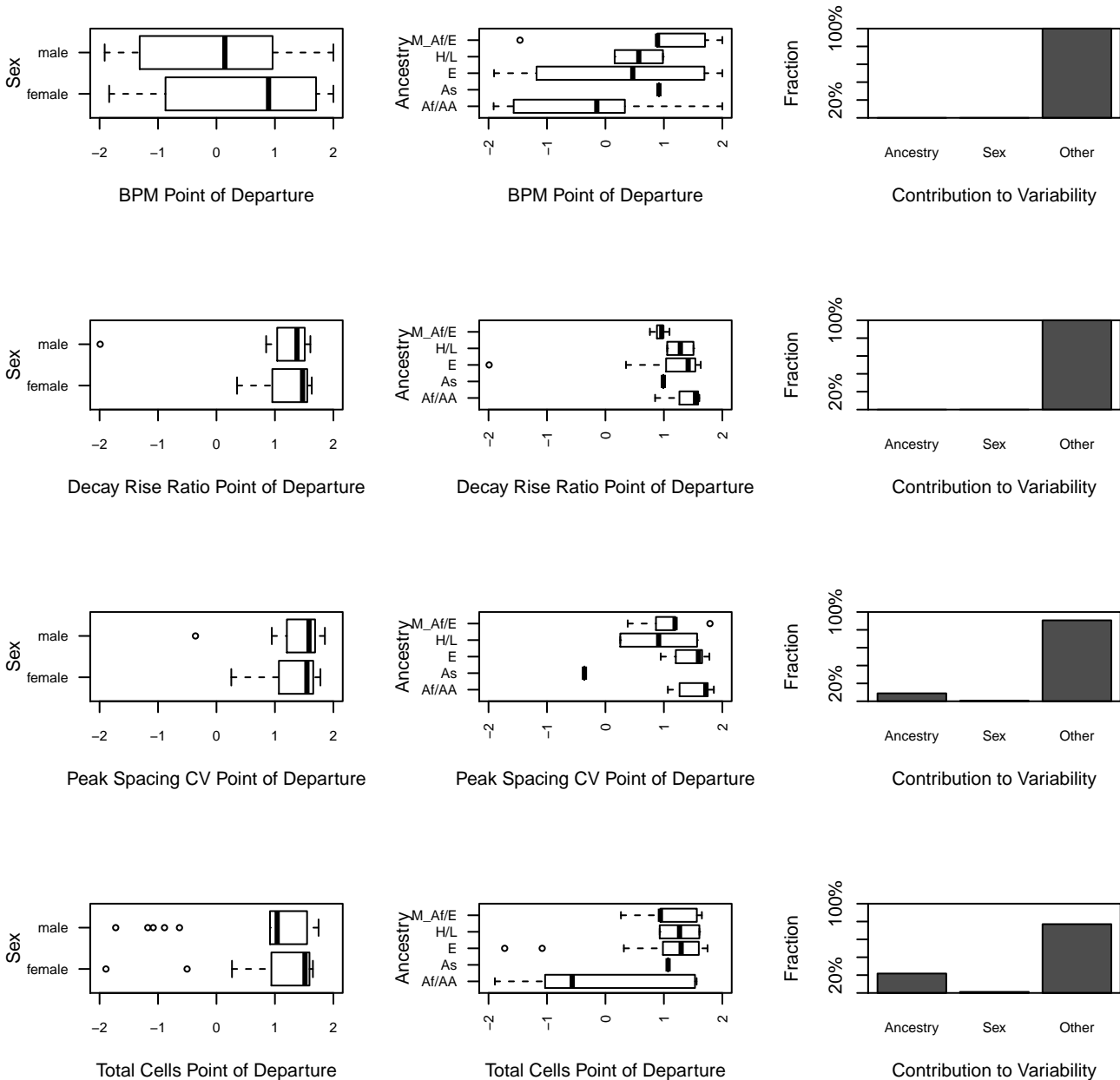
Thalidomide 90



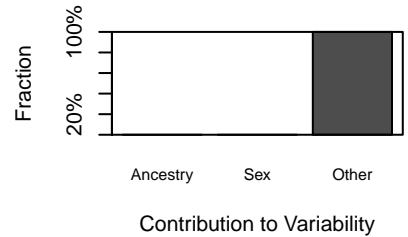
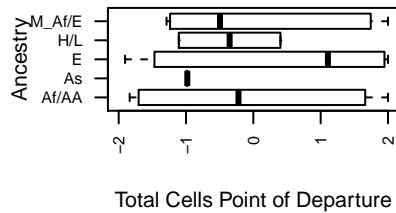
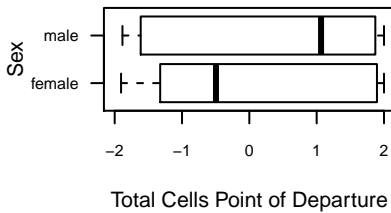
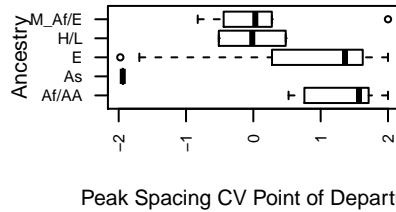
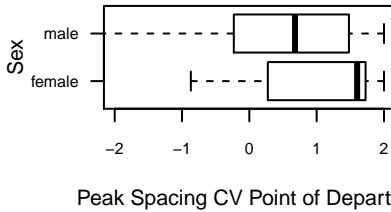
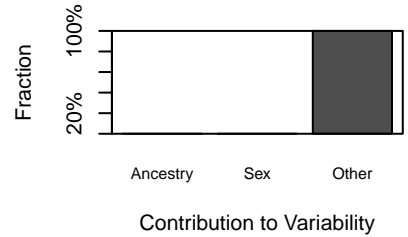
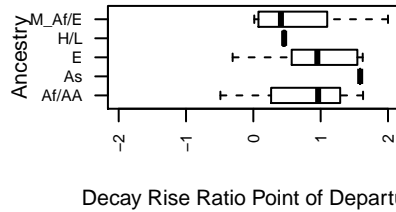
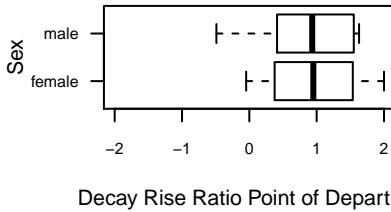
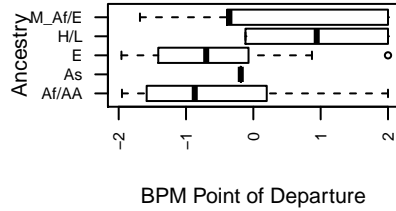
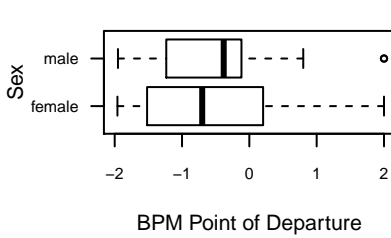
Sucrose 91



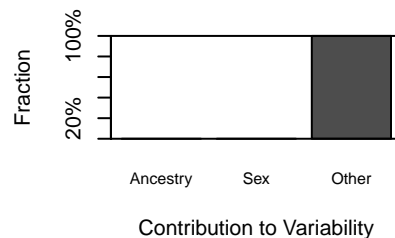
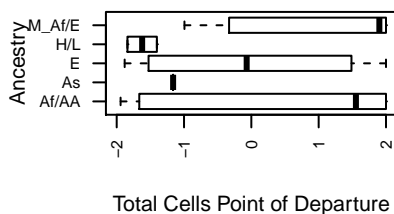
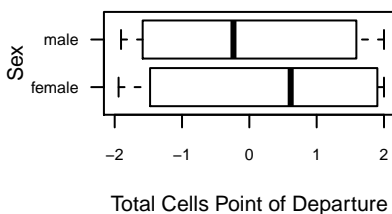
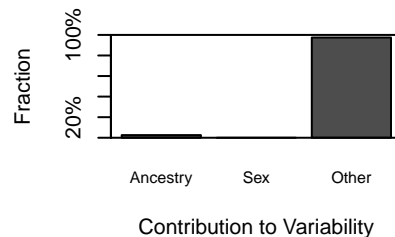
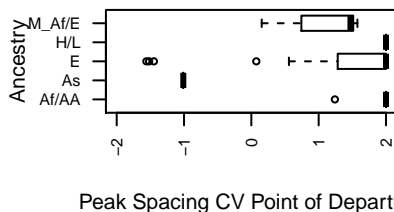
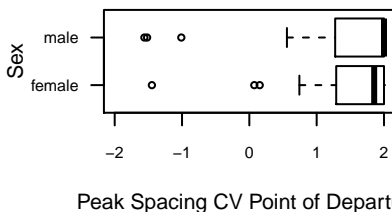
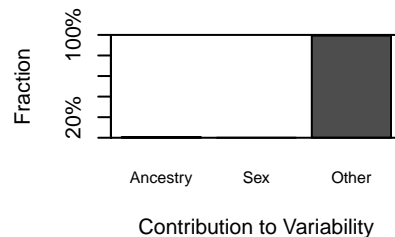
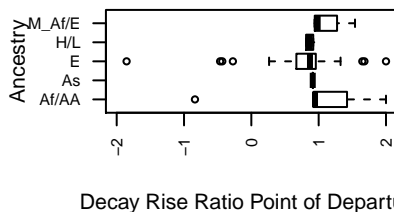
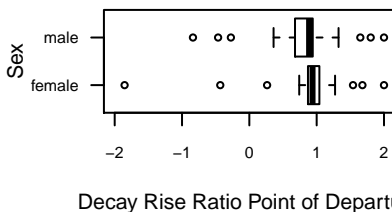
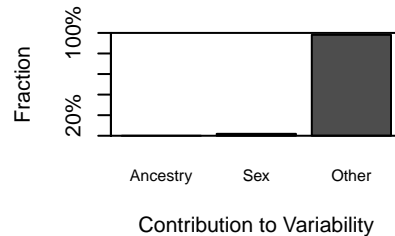
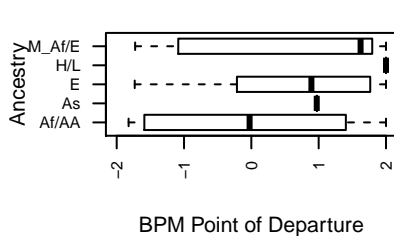
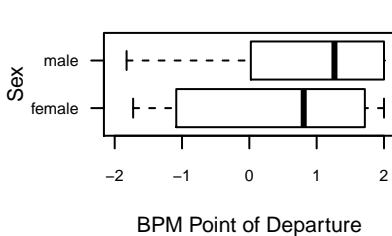
3,3',5,5'-Tetrabromobisphenol_A 92



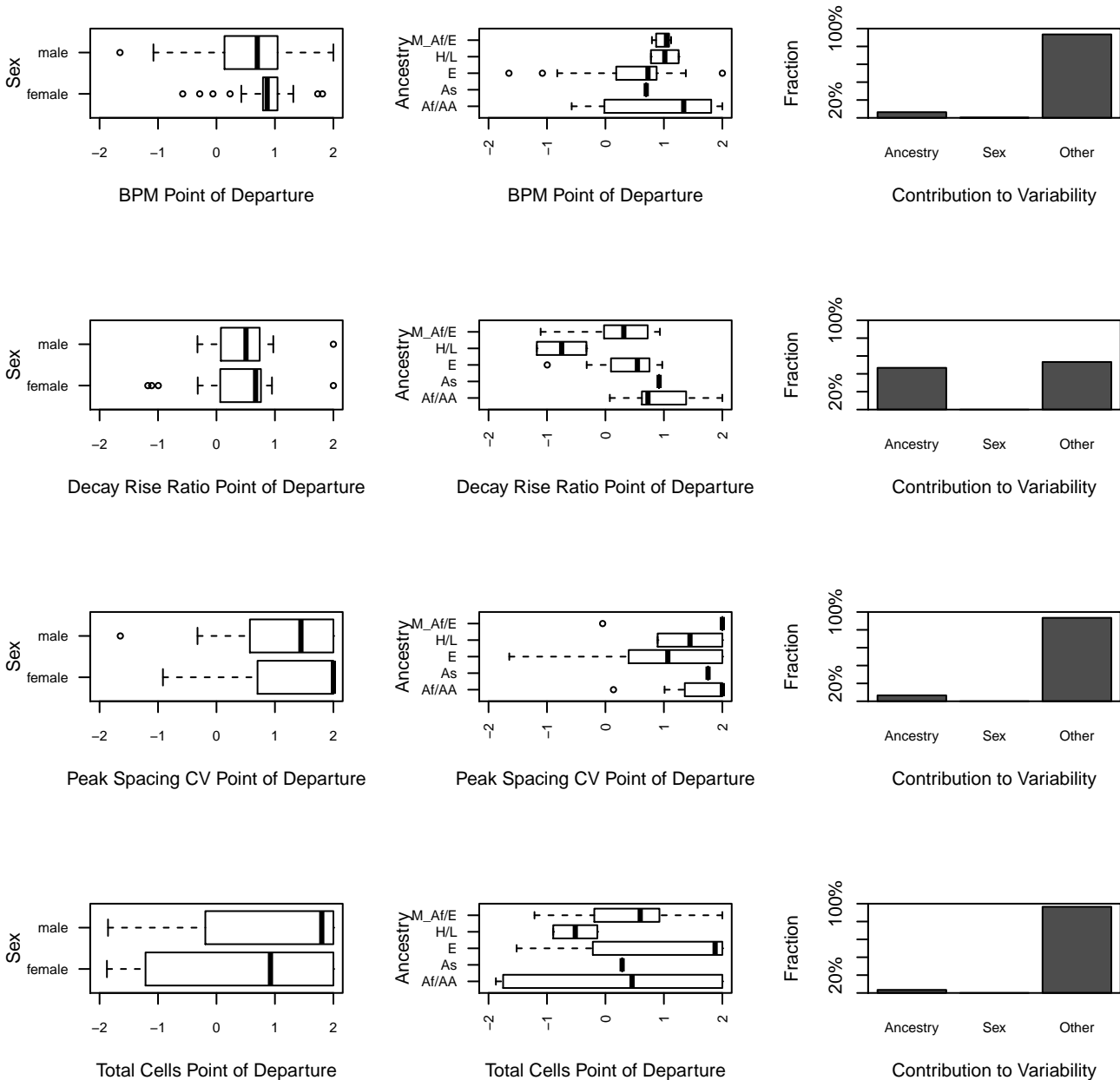
Triphenyl_phosphate 93



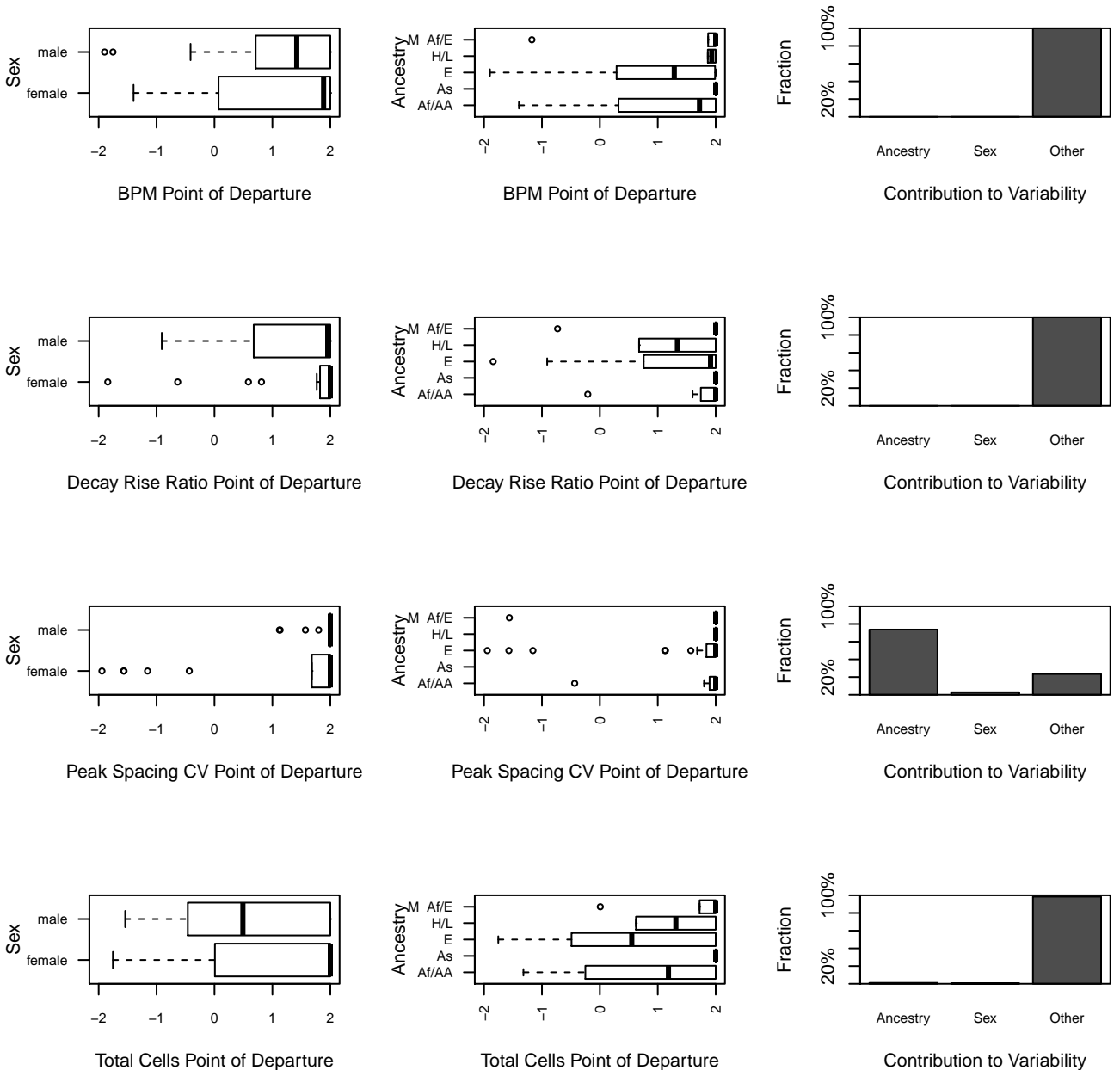
Triamterene 94



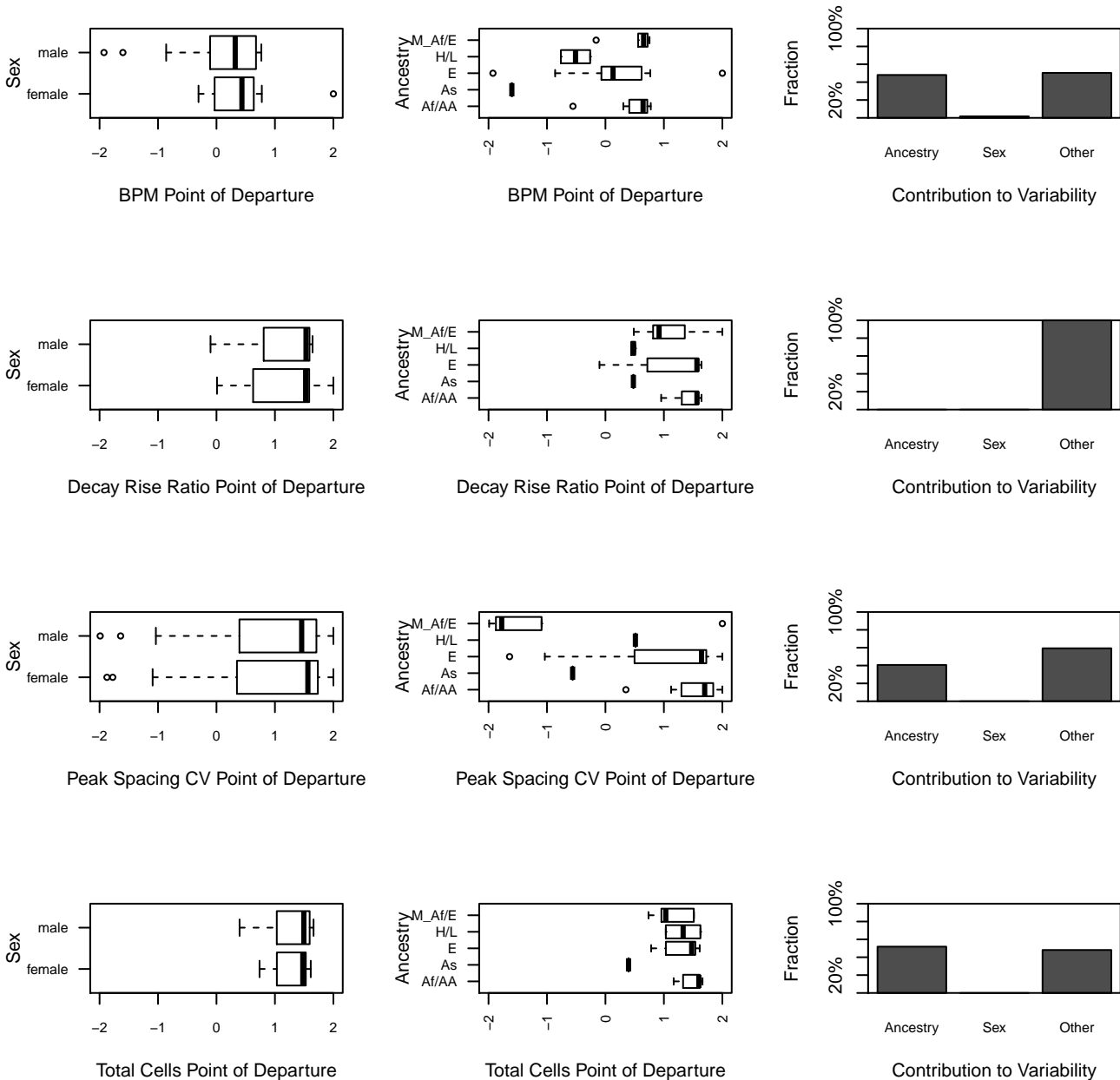
(Methylcyclopentadienyl)tricarbonylmanganese 95



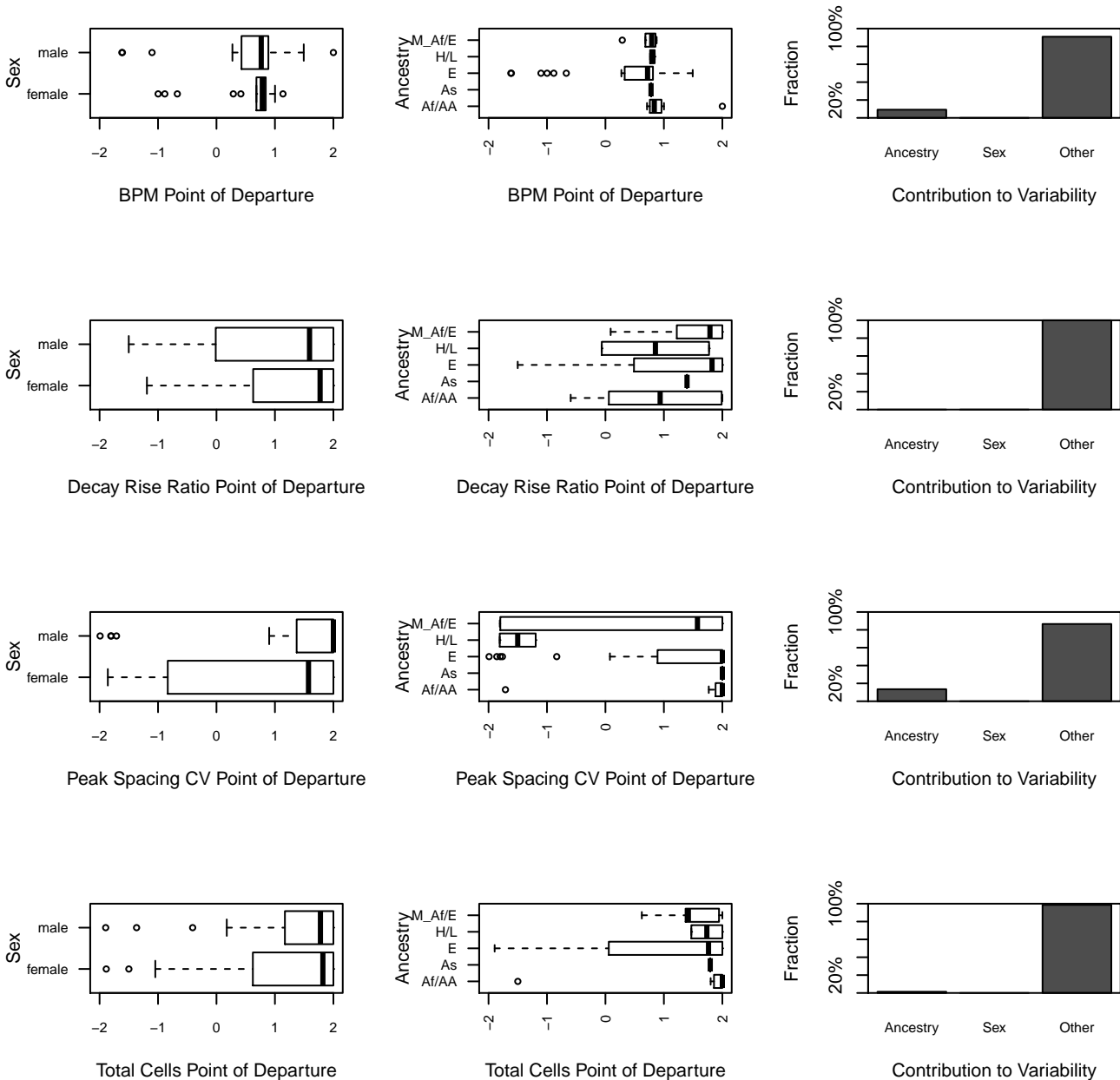
Benzoic_acid 96



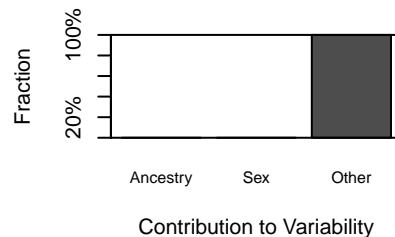
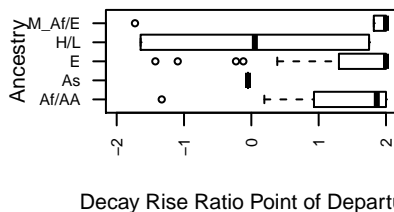
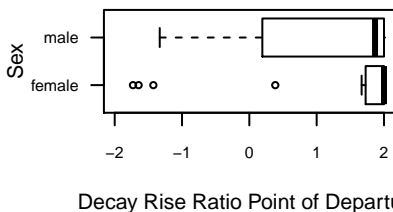
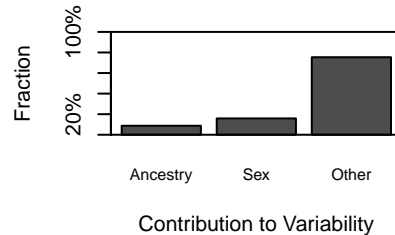
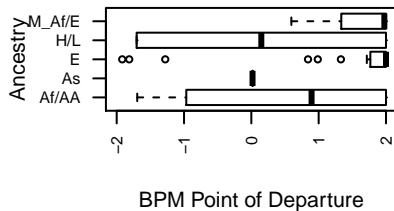
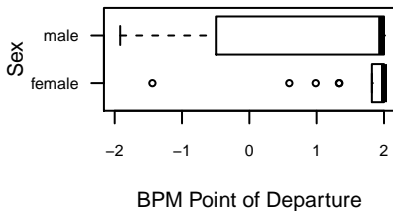
Disulfiram 97



Anthracene 98



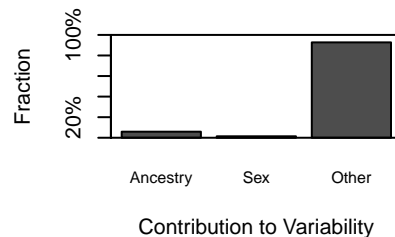
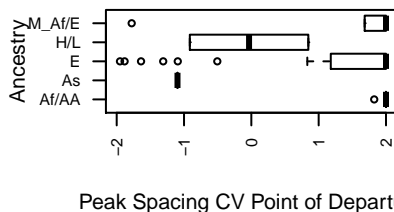
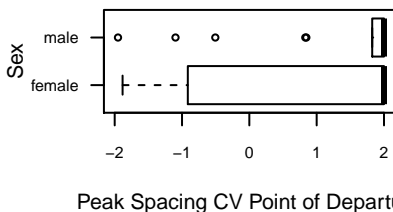
Acetaminophen 99



Decay Rise Ratio Point of Departure

Decay Rise Ratio Point of Departure

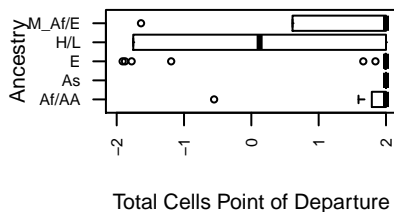
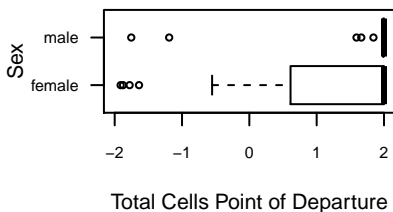
Contribution to Variability



Peak Spacing CV Point of Departure

Peak Spacing CV Point of Departure

Contribution to Variability

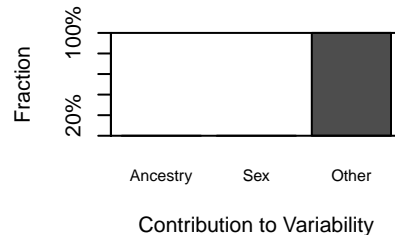
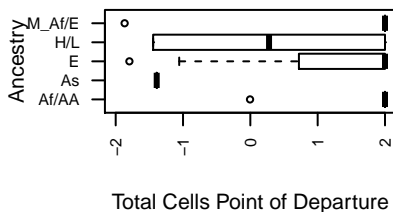
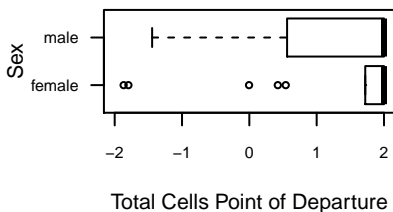
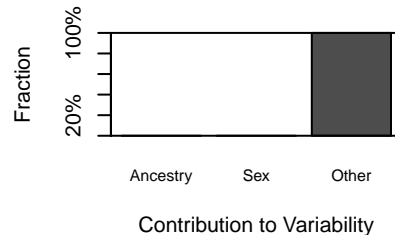
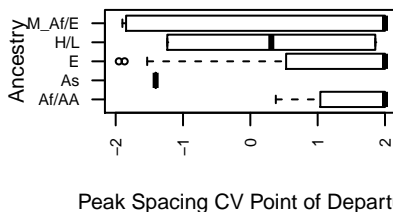
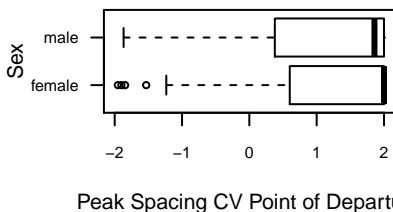
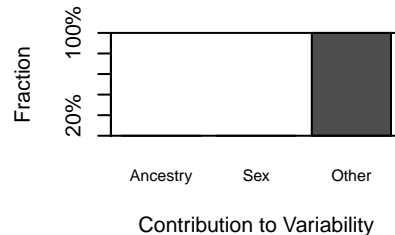
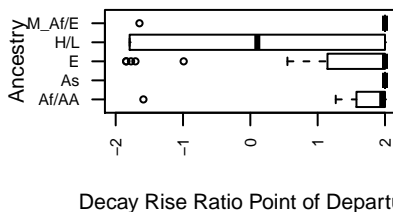
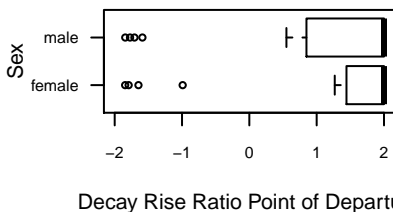
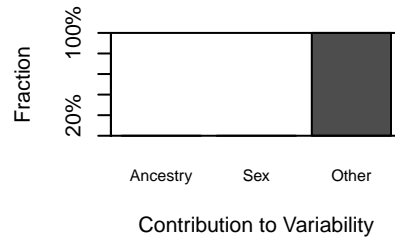
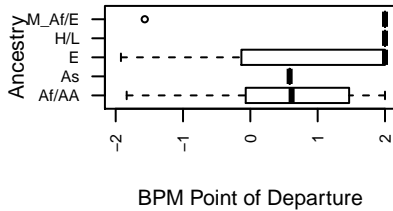
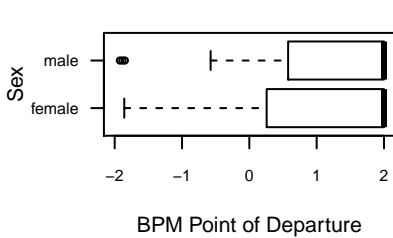


Total Cells Point of Departure

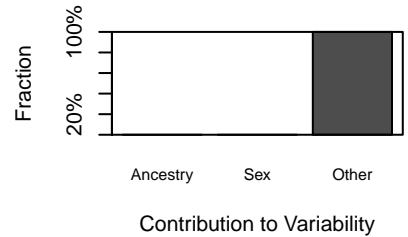
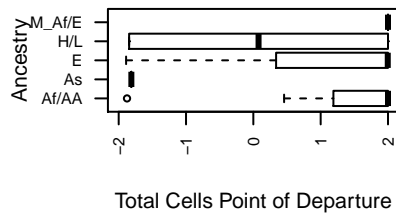
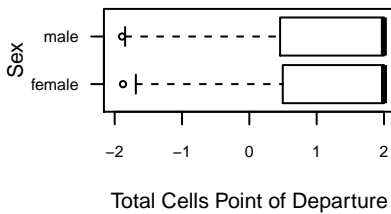
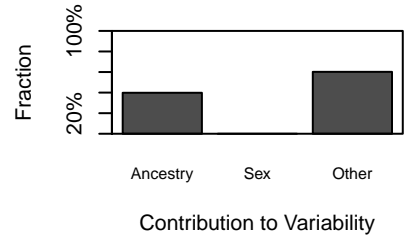
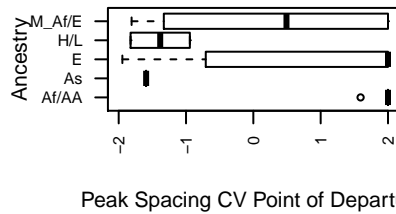
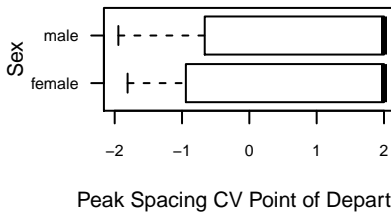
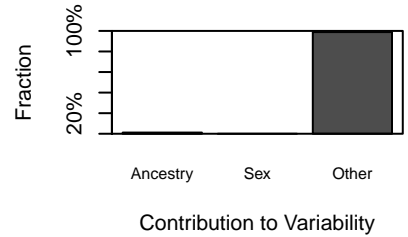
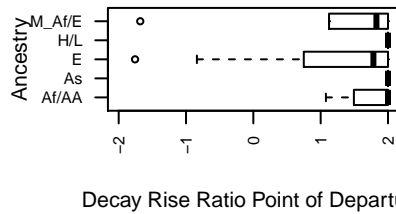
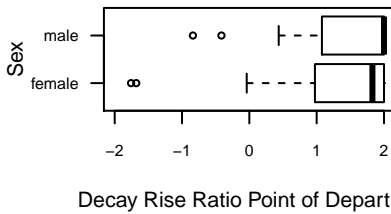
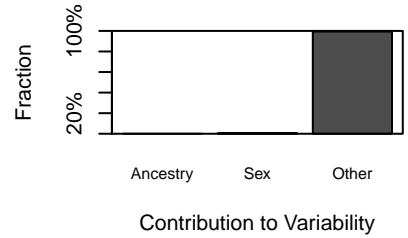
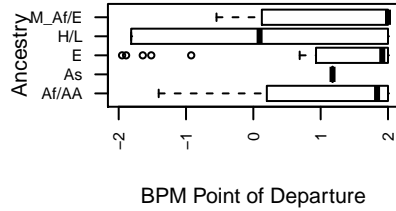
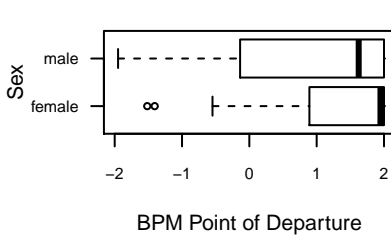
Total Cells Point of Departure

Contribution to Variability

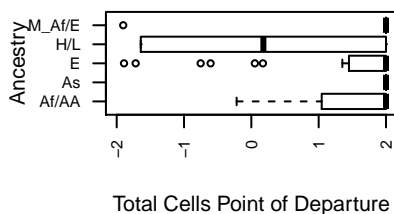
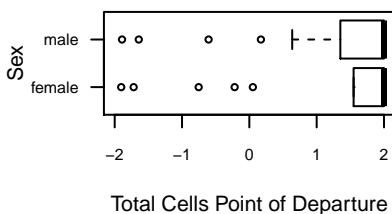
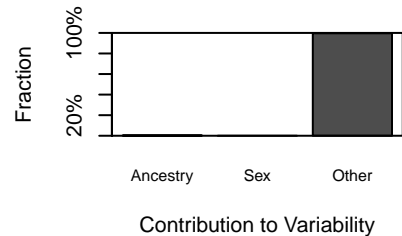
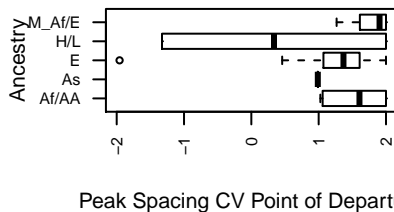
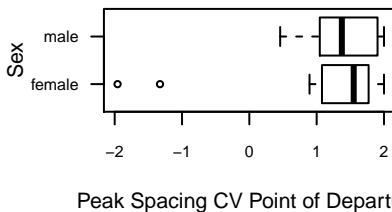
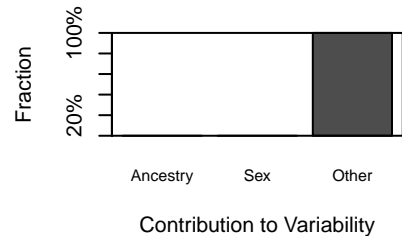
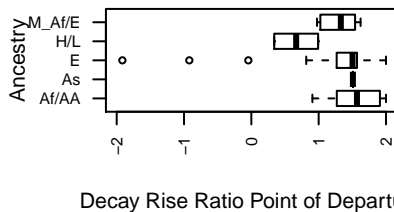
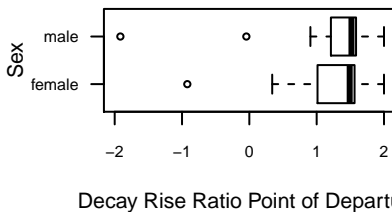
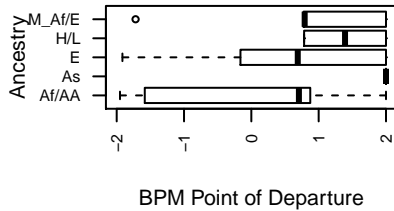
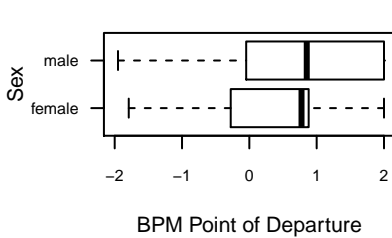
Aspirin 100



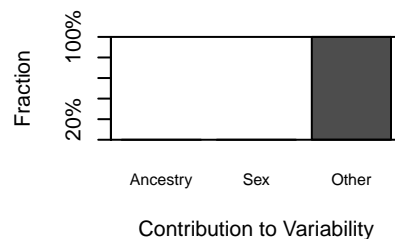
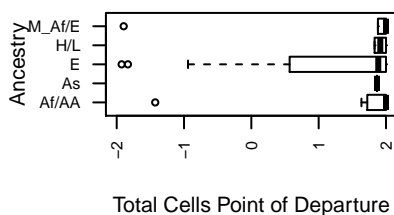
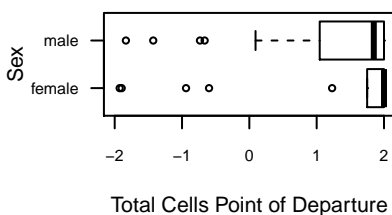
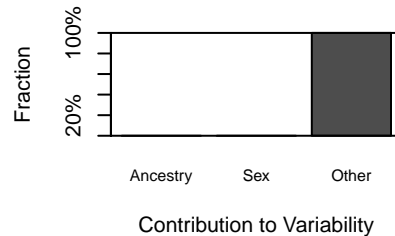
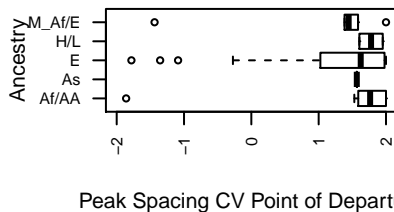
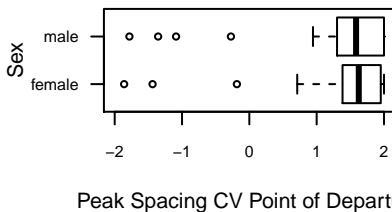
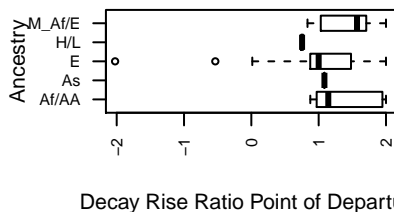
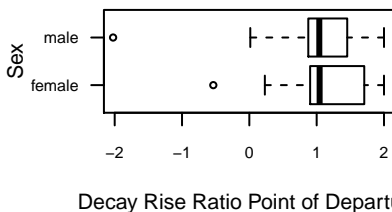
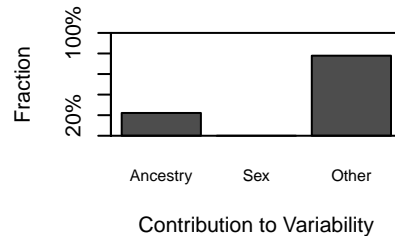
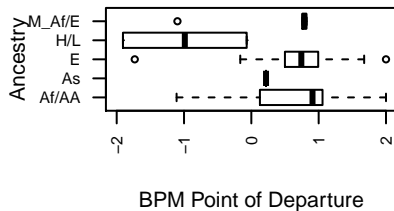
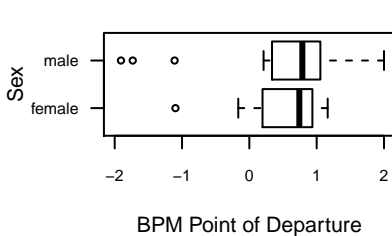
Acrylamide 101



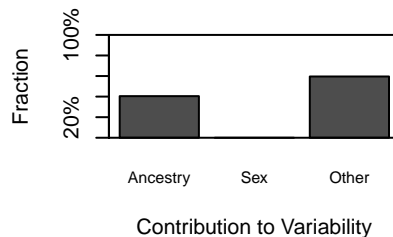
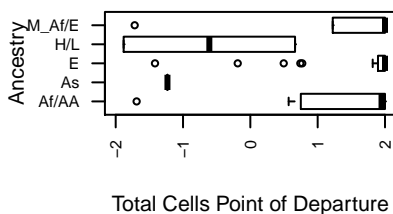
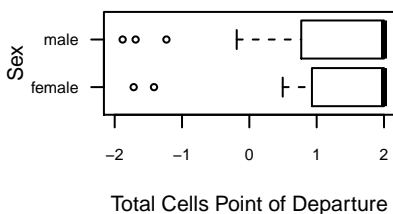
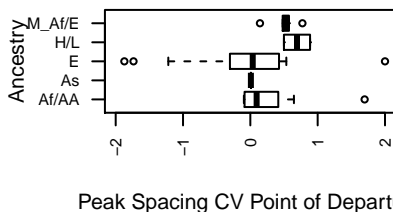
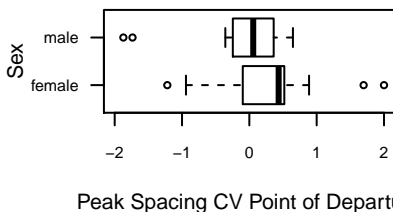
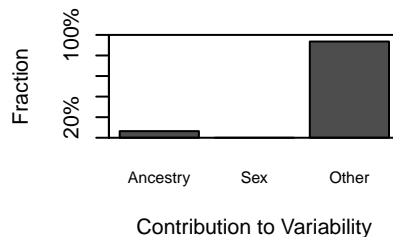
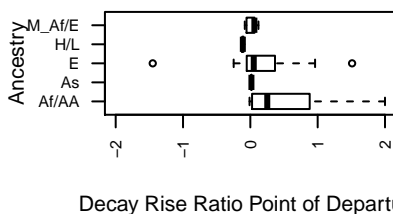
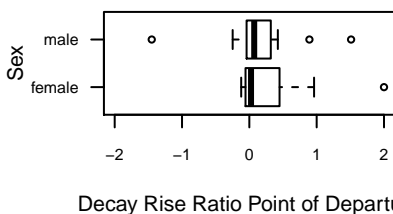
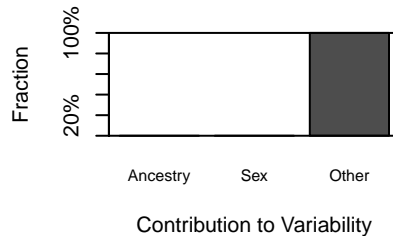
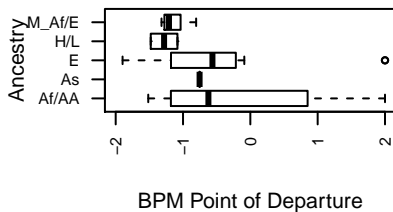
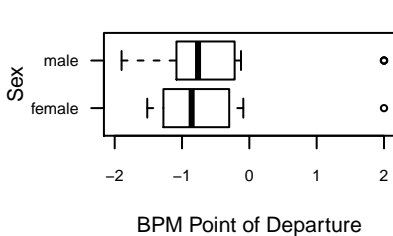
Benz(a)anthracene 102



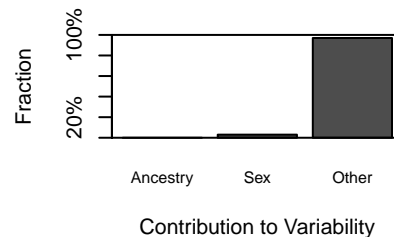
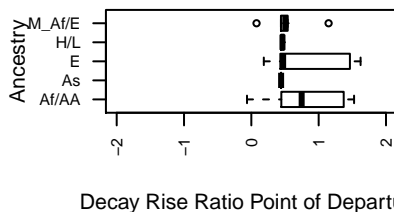
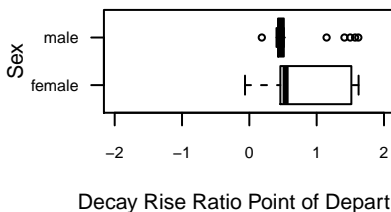
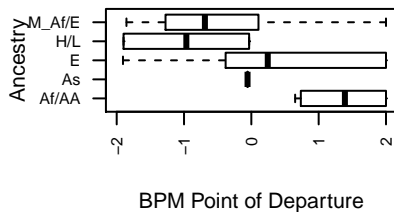
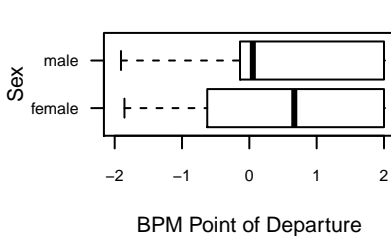
Azobenzene 103



Mifepristone2 104



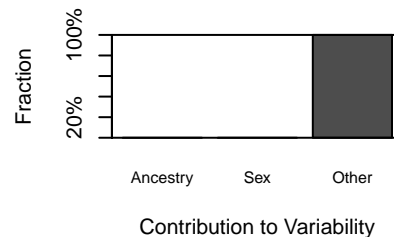
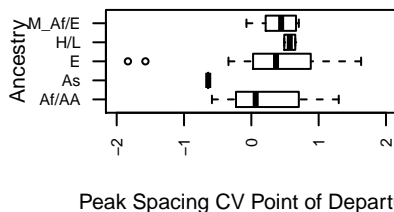
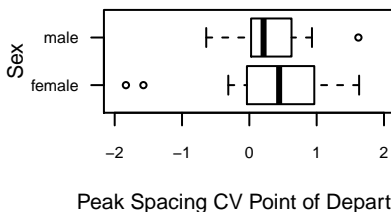
Tebuconazole 105



Decay Rise Ratio Point of Departure

Decay Rise Ratio Point of Departure

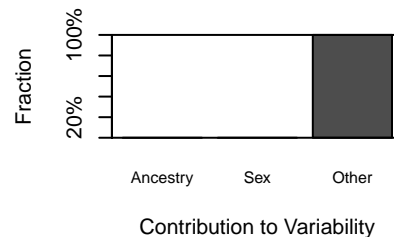
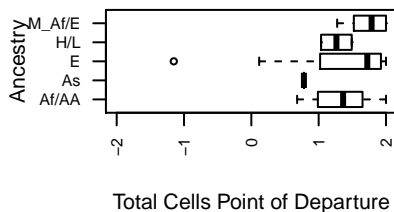
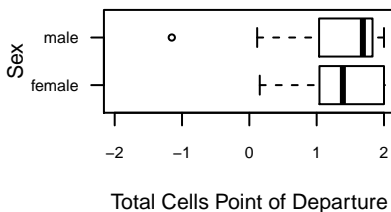
Contribution to Variability



Peak Spacing CV Point of Departure

Peak Spacing CV Point of Departure

Contribution to Variability

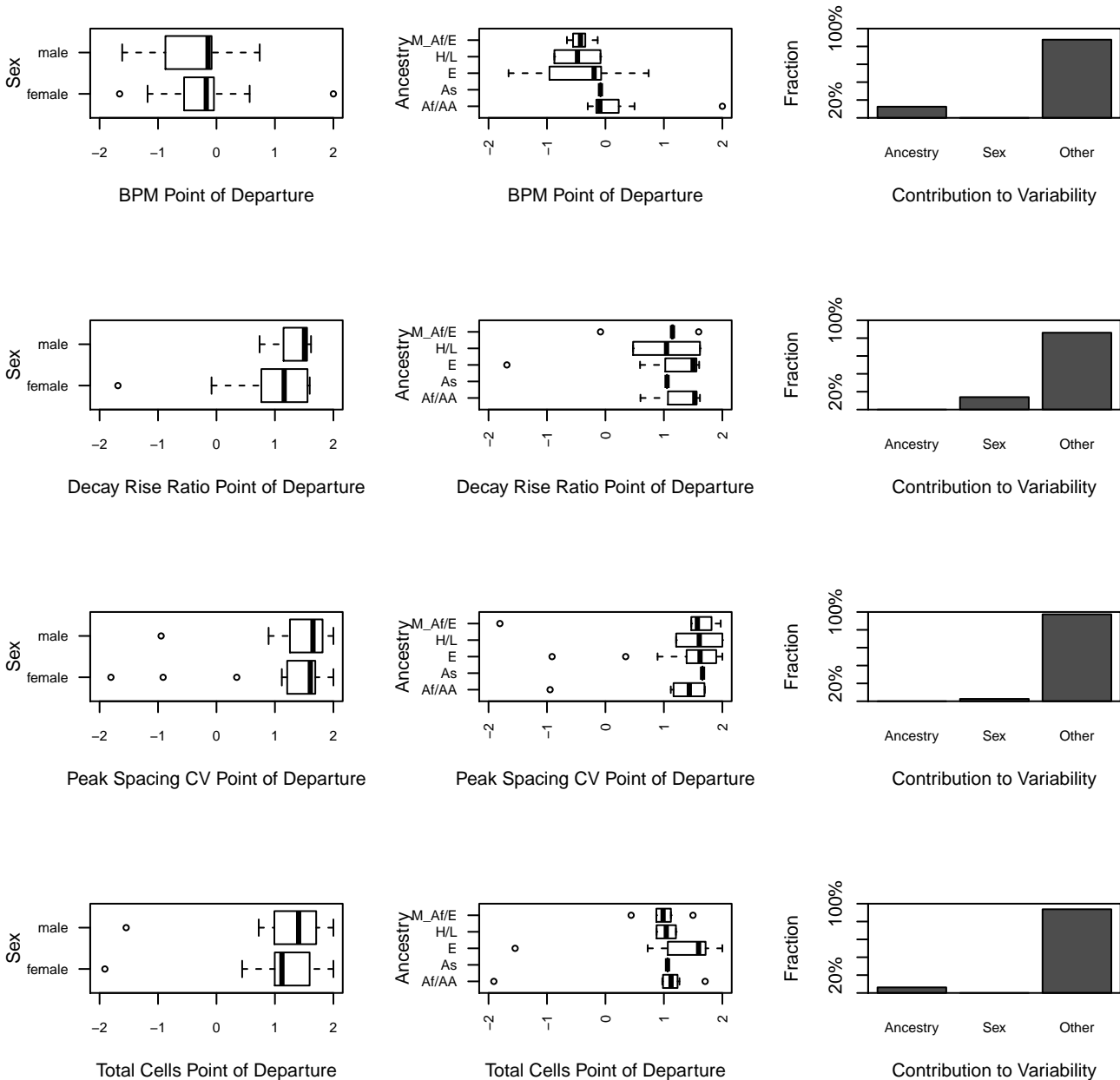


Total Cells Point of Departure

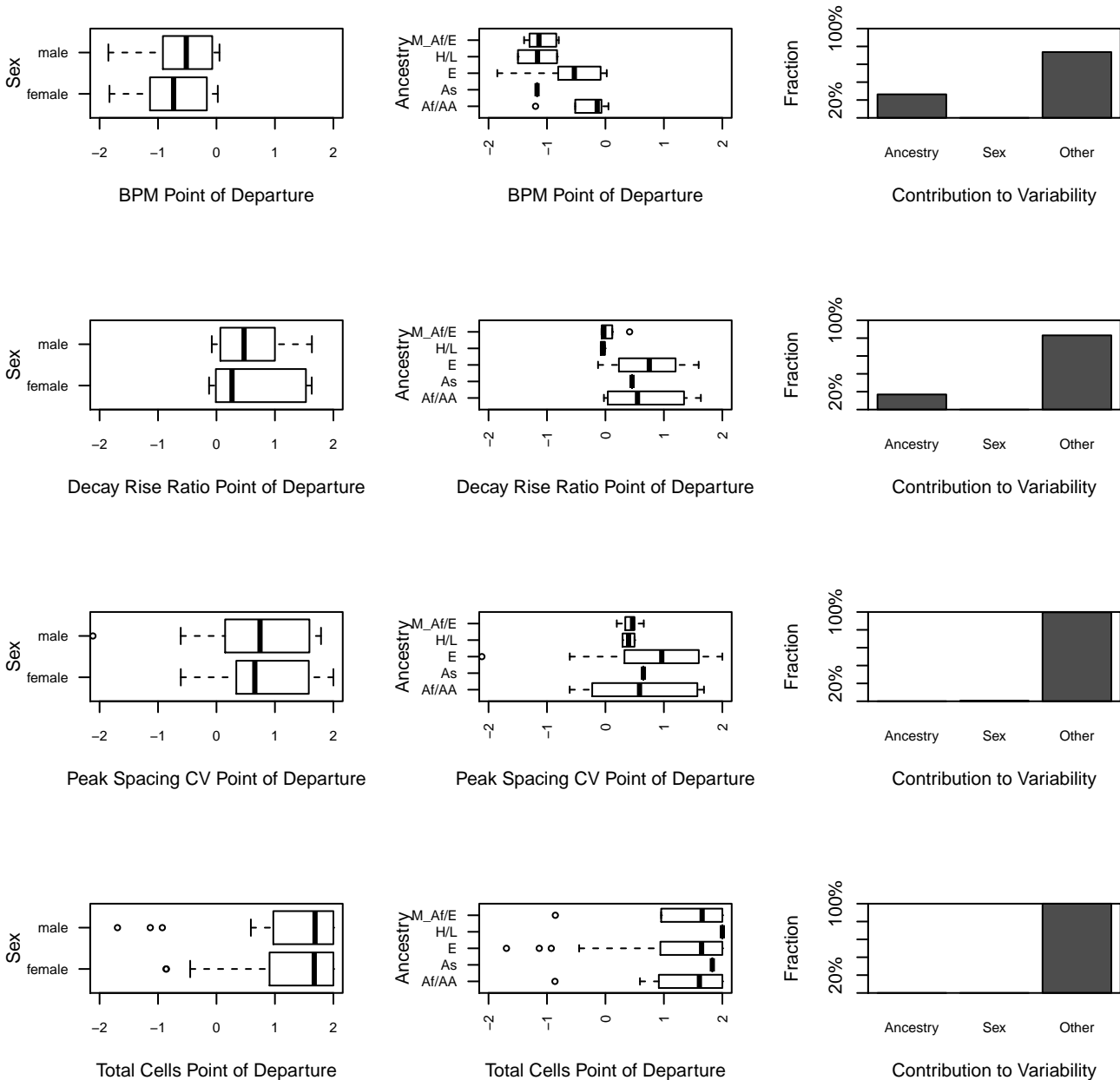
Total Cells Point of Departure

Contribution to Variability

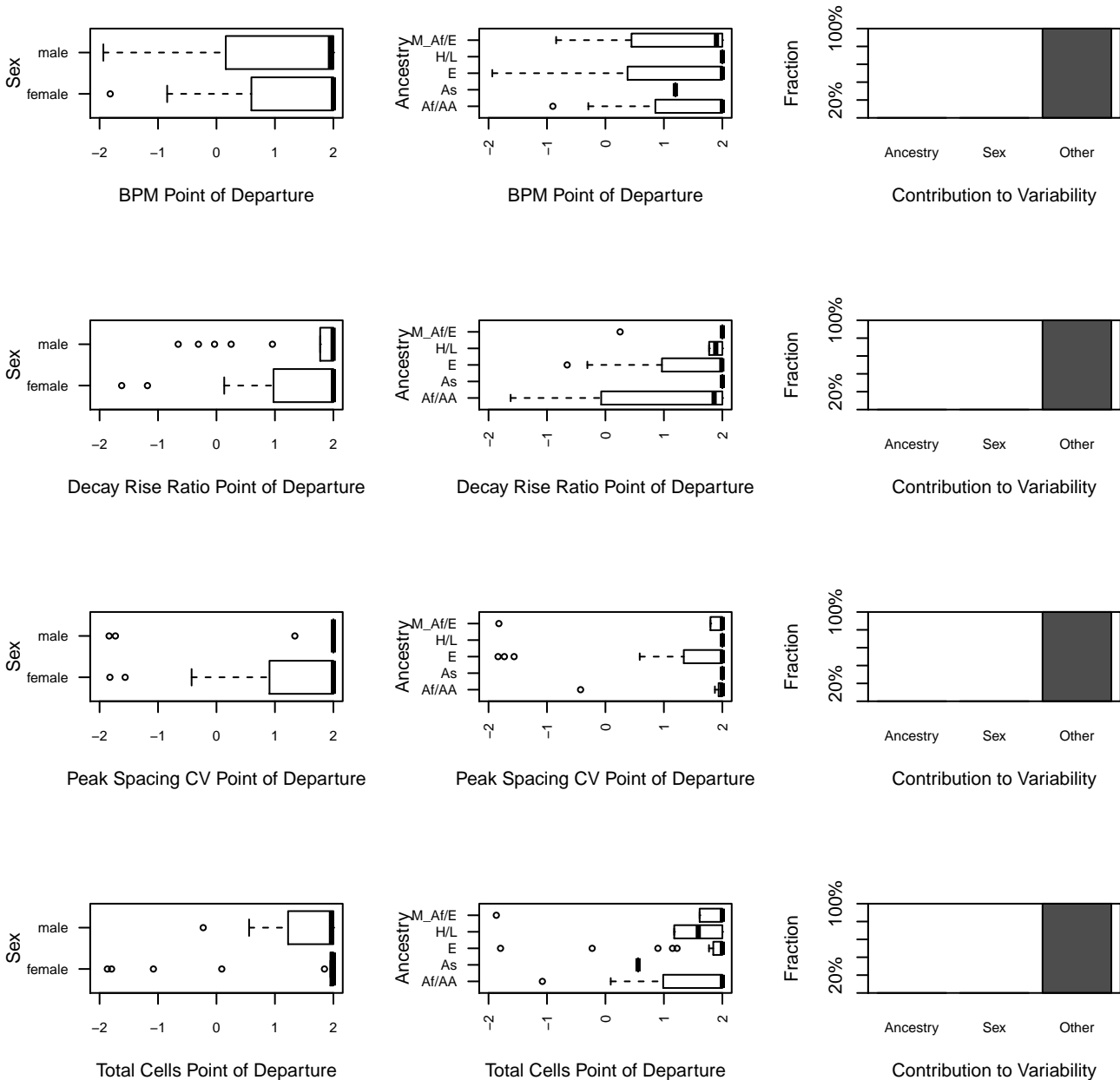
Aldrin 106



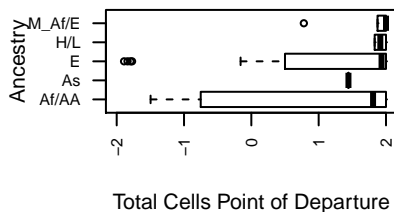
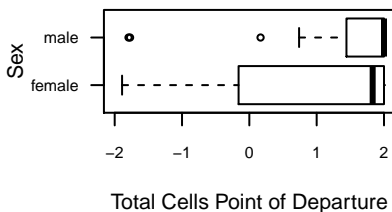
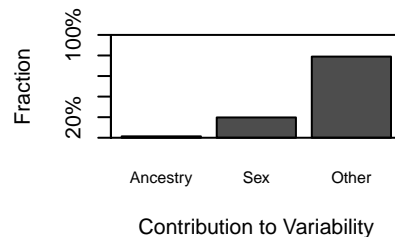
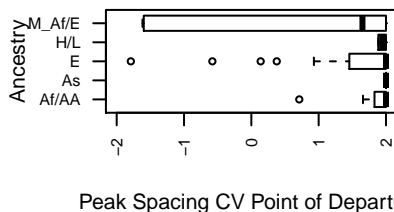
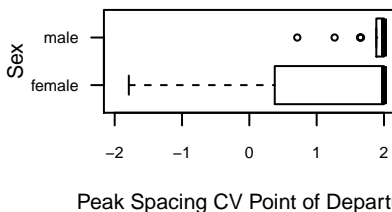
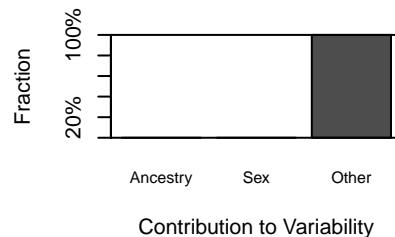
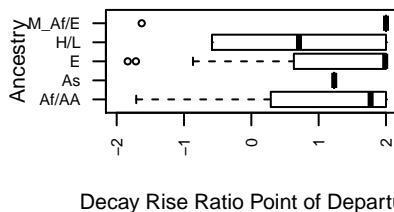
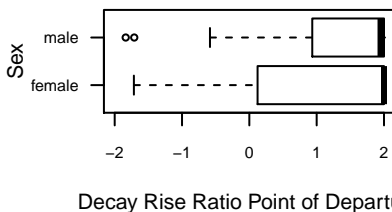
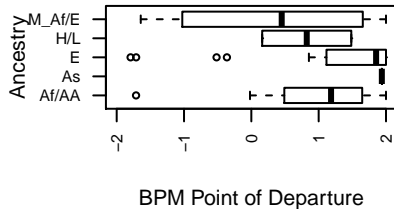
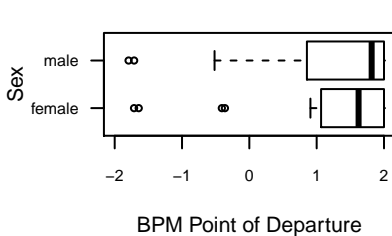
Tris(methylphenyl)phosphate 107



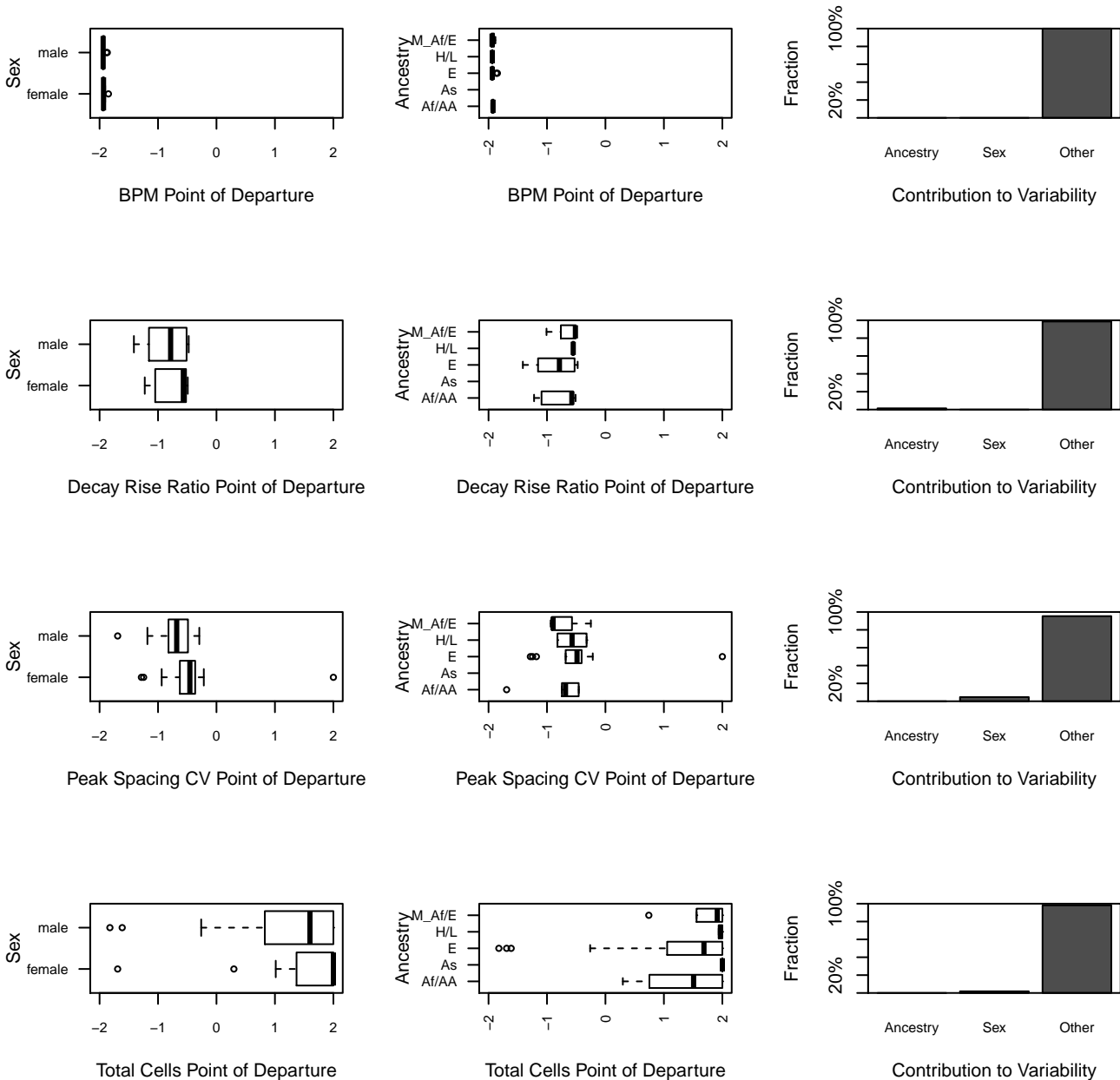
Atenolol 108



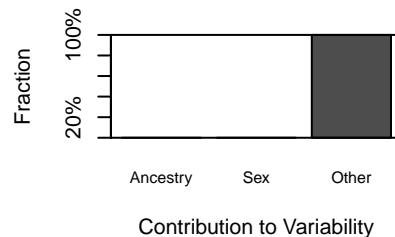
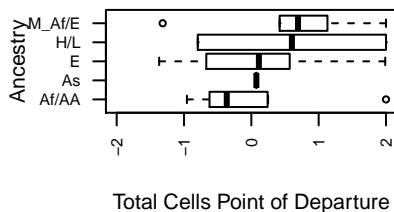
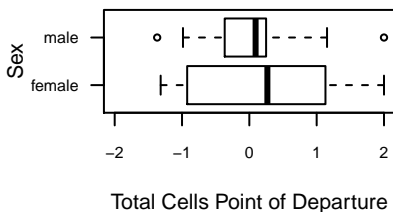
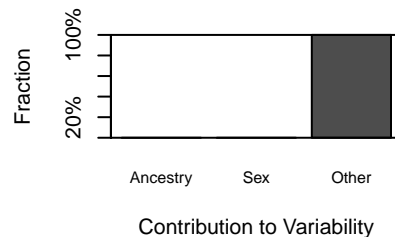
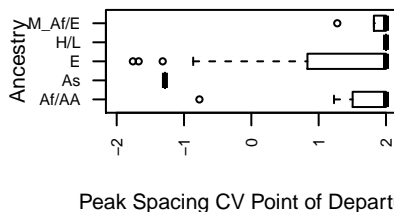
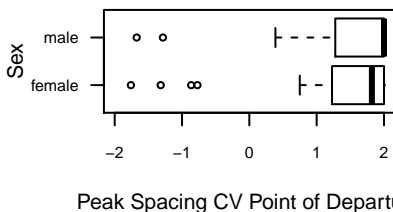
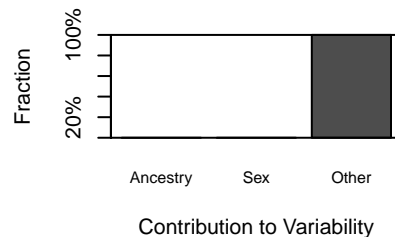
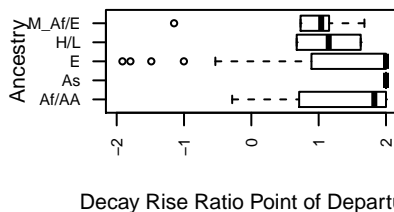
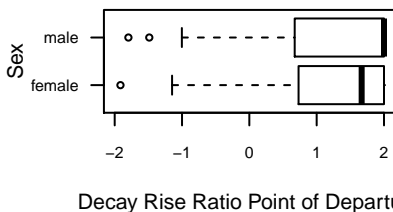
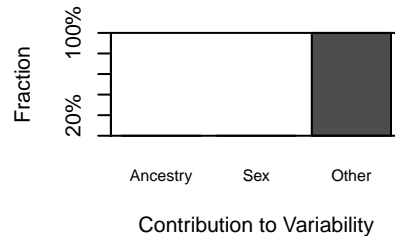
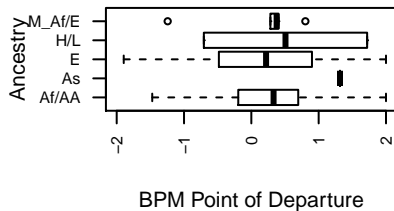
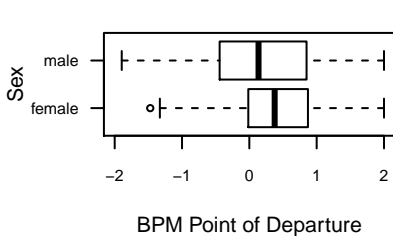
L-Ascorbic_acid 109



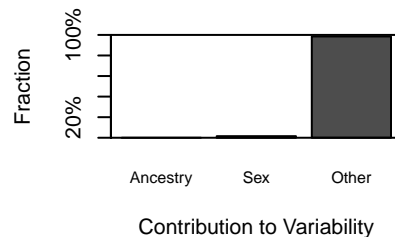
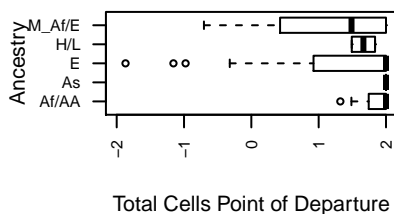
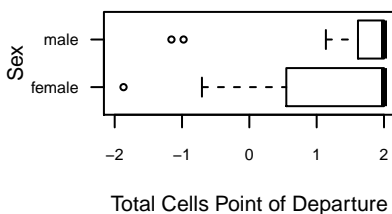
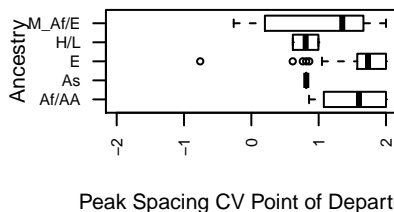
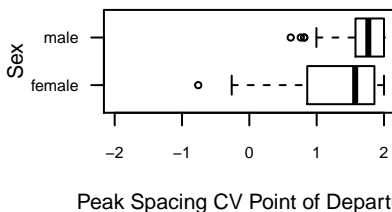
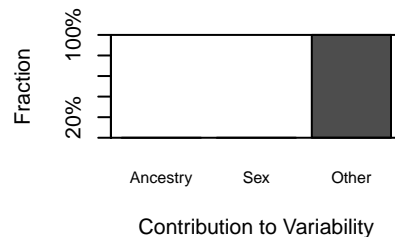
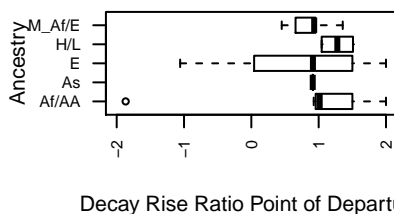
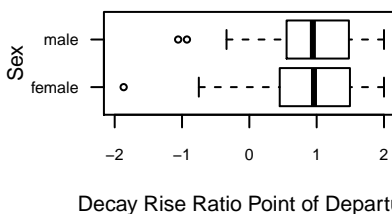
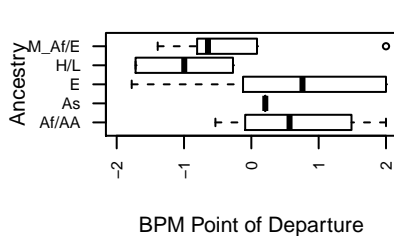
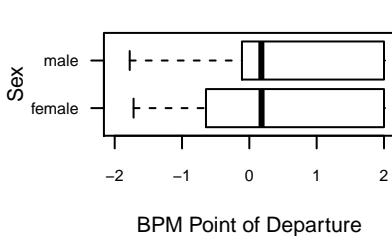
Verapamil_hydrochloride 110



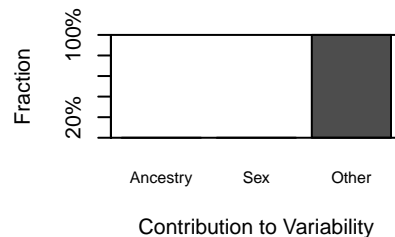
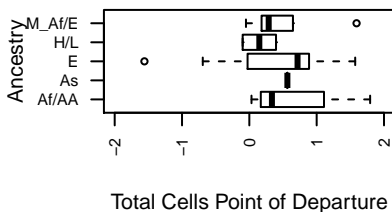
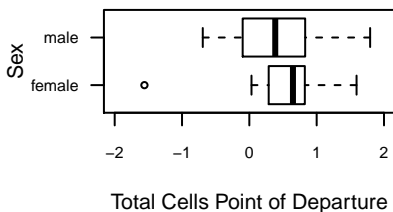
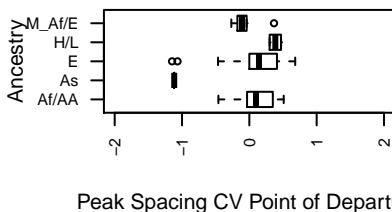
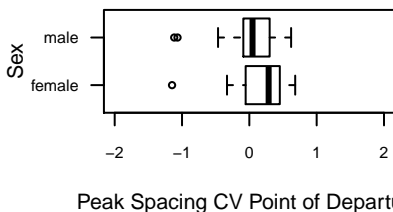
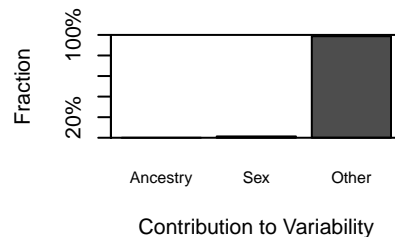
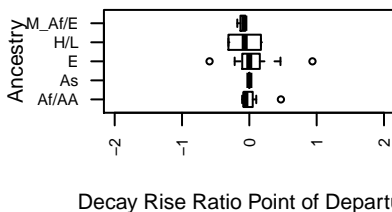
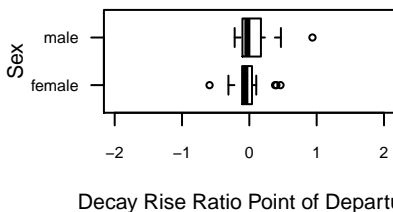
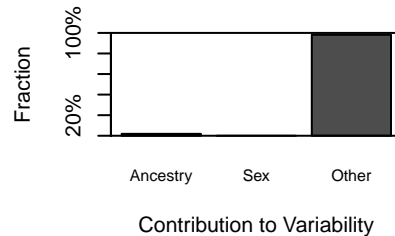
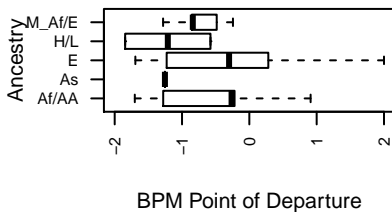
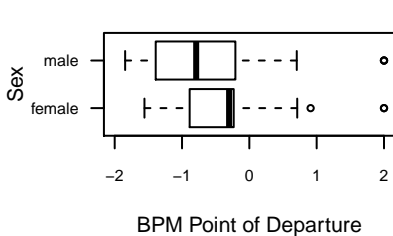
Benzo(k)fluoranthene 111



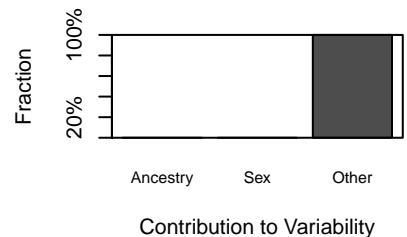
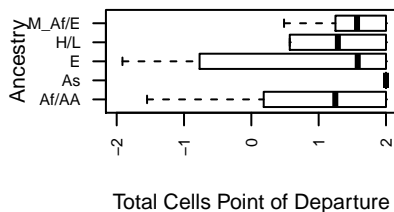
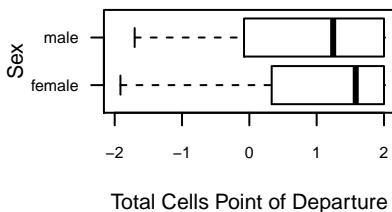
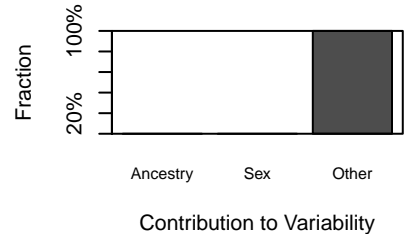
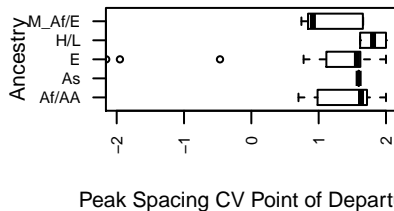
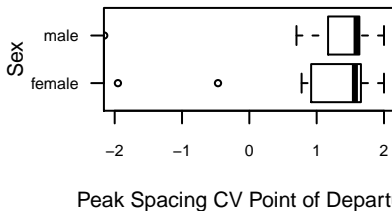
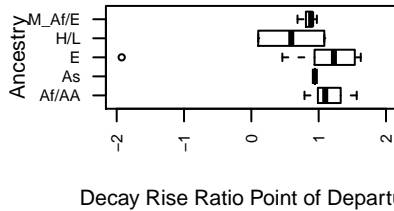
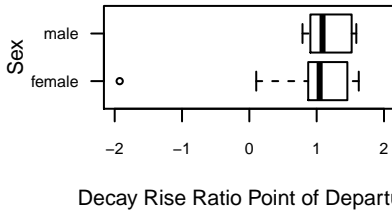
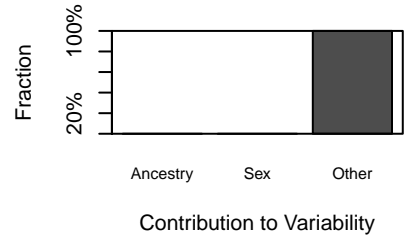
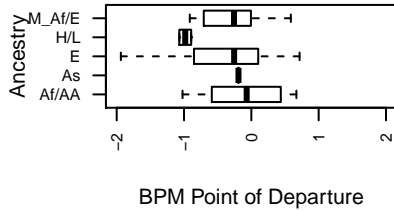
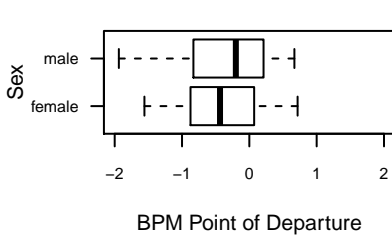
Dibenz[a,c]anthracene 112



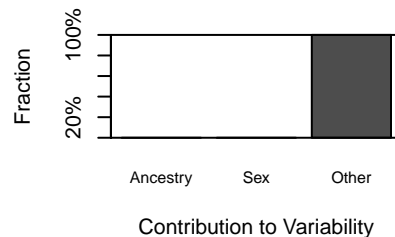
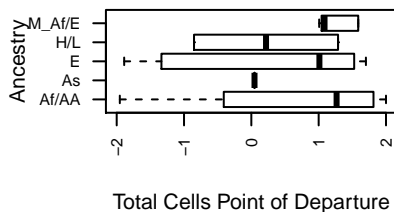
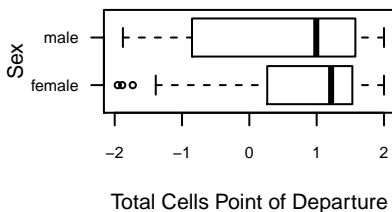
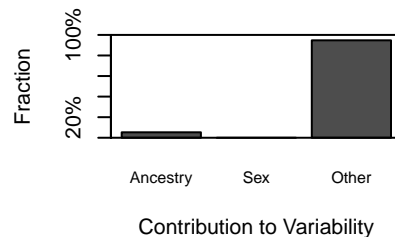
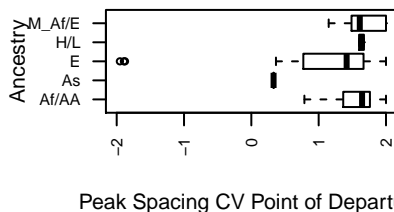
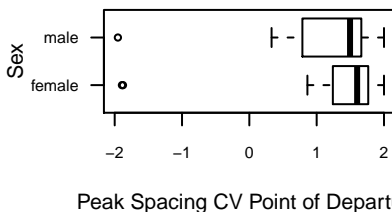
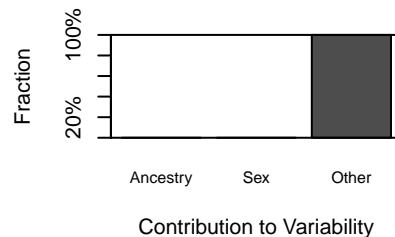
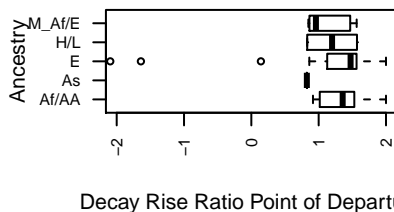
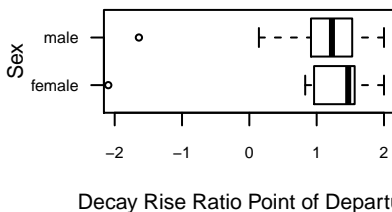
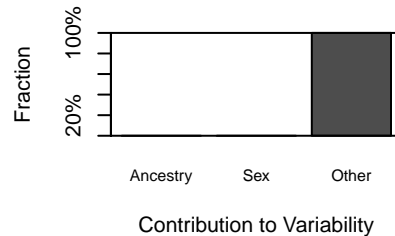
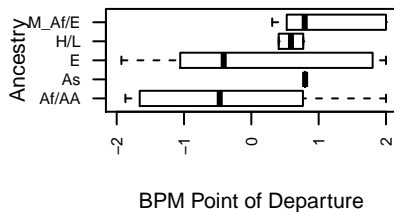
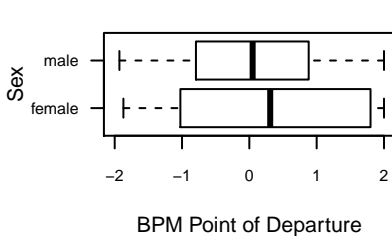
Methylmercuric(2)chloride 113



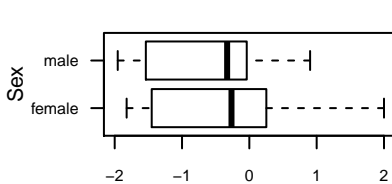
Isodecyl_diphenyl_phosphate 114



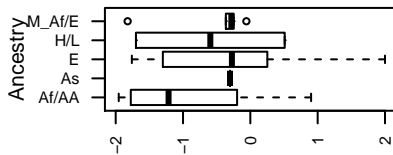
tert-Butylhydroquinone 115



Deltamethrin 116



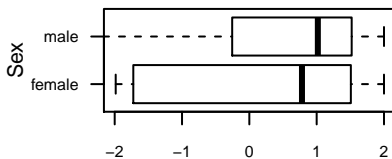
BPM Point of Departure



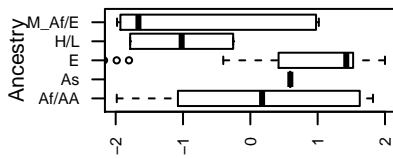
BPM Point of Departure



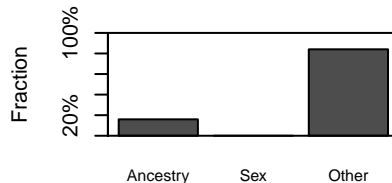
Contribution to Variability



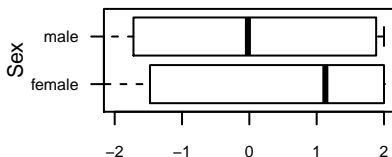
Decay Rise Ratio Point of Departure



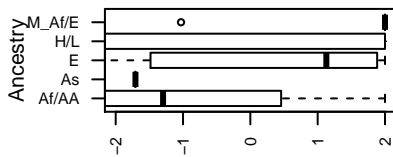
Decay Rise Ratio Point of Departure



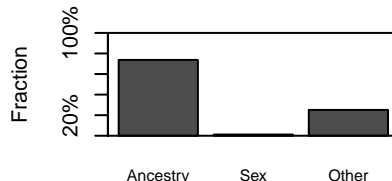
Contribution to Variability



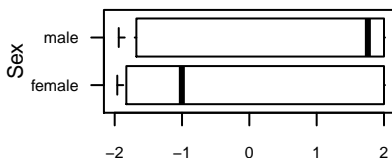
Peak Spacing CV Point of Departure



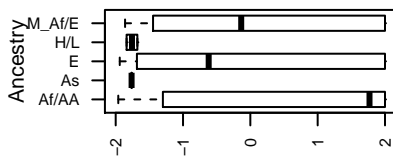
Peak Spacing CV Point of Departure



Contribution to Variability



Total Cells Point of Departure

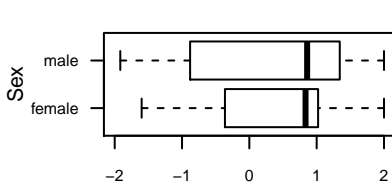


Total Cells Point of Departure

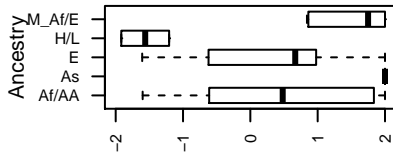


Contribution to Variability

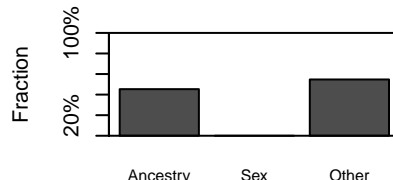
Fluorene 117



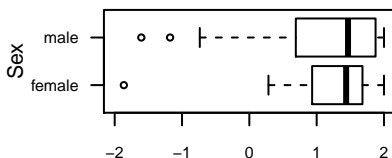
BPM Point of Departure



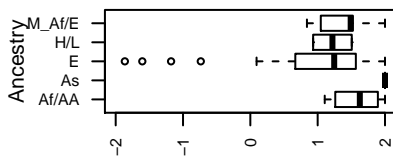
BPM Point of Departure



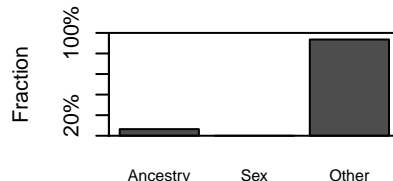
Contribution to Variability



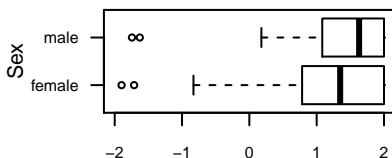
Decay Rise Ratio Point of Departure



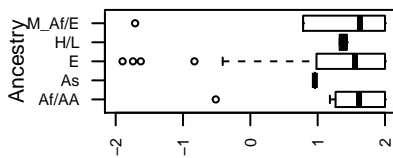
Decay Rise Ratio Point of Departure



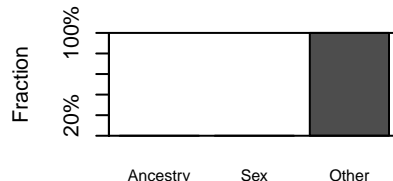
Contribution to Variability



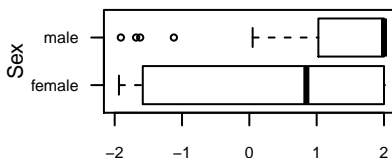
Peak Spacing CV Point of Departure



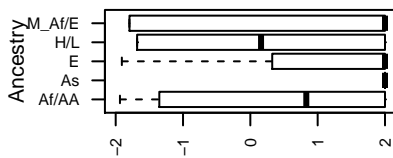
Peak Spacing CV Point of Departure



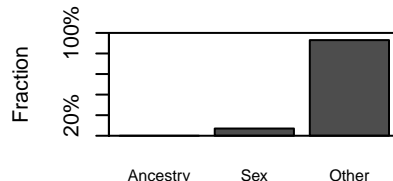
Contribution to Variability



Total Cells Point of Departure

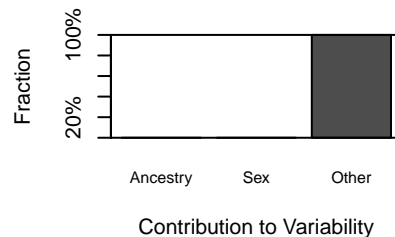
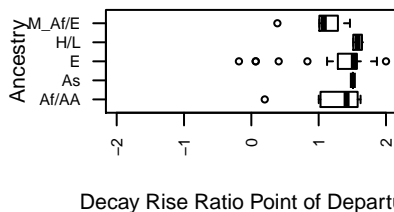
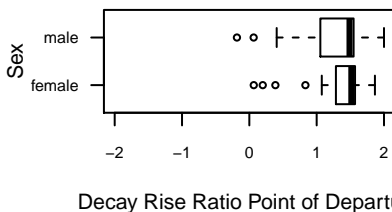
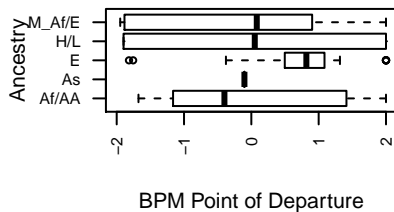
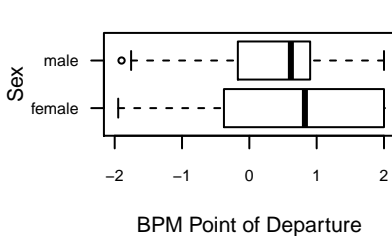


Total Cells Point of Departure



Contribution to Variability

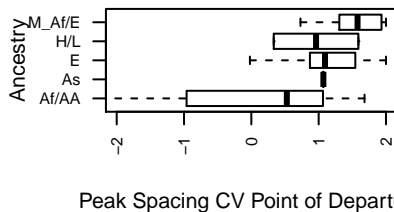
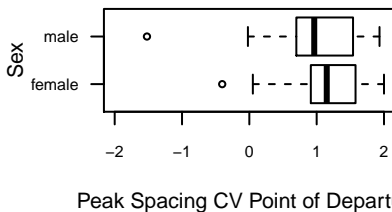
Pyrimethamine 118



Decay Rise Ratio Point of Departure

Decay Rise Ratio Point of Departure

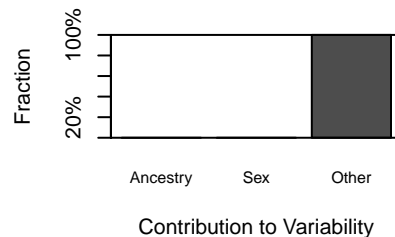
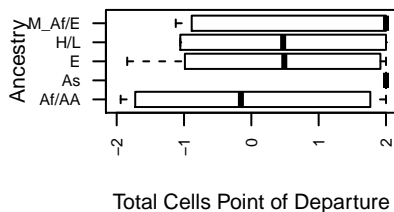
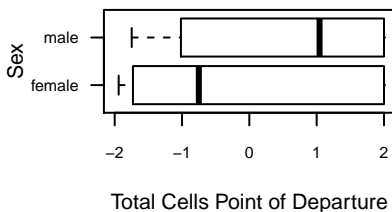
Contribution to Variability



Peak Spacing CV Point of Departure

Peak Spacing CV Point of Departure

Contribution to Variability

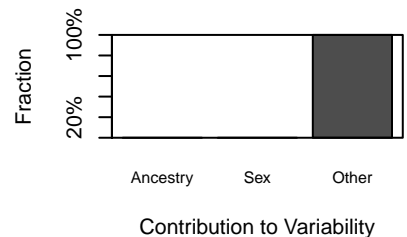
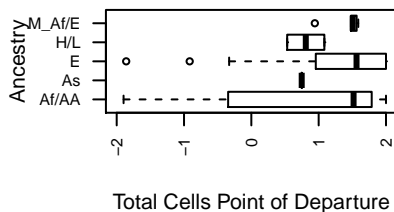
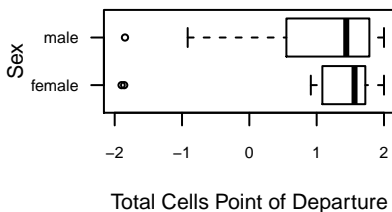
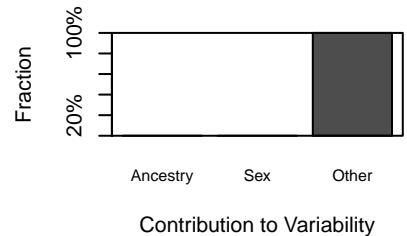
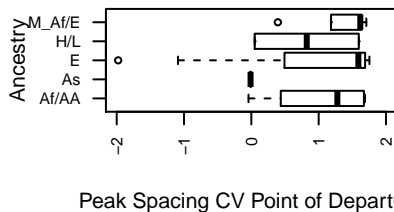
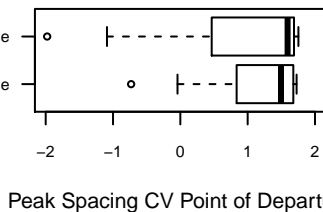
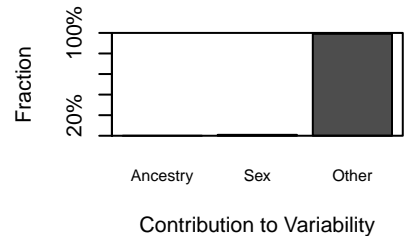
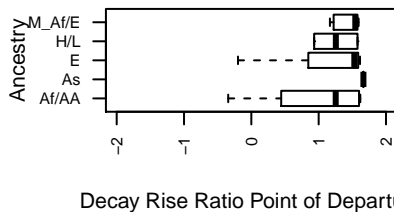
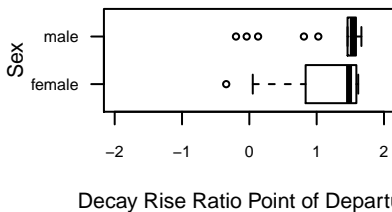
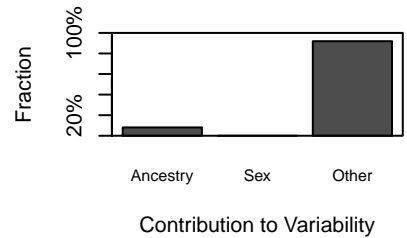
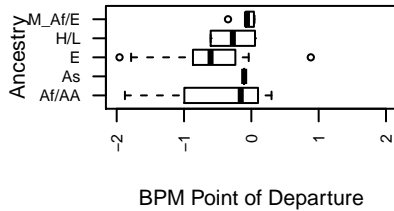
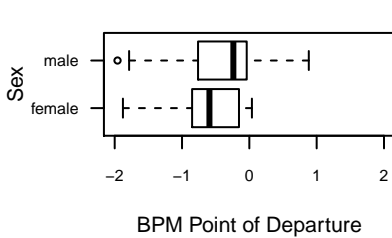


Total Cells Point of Departure

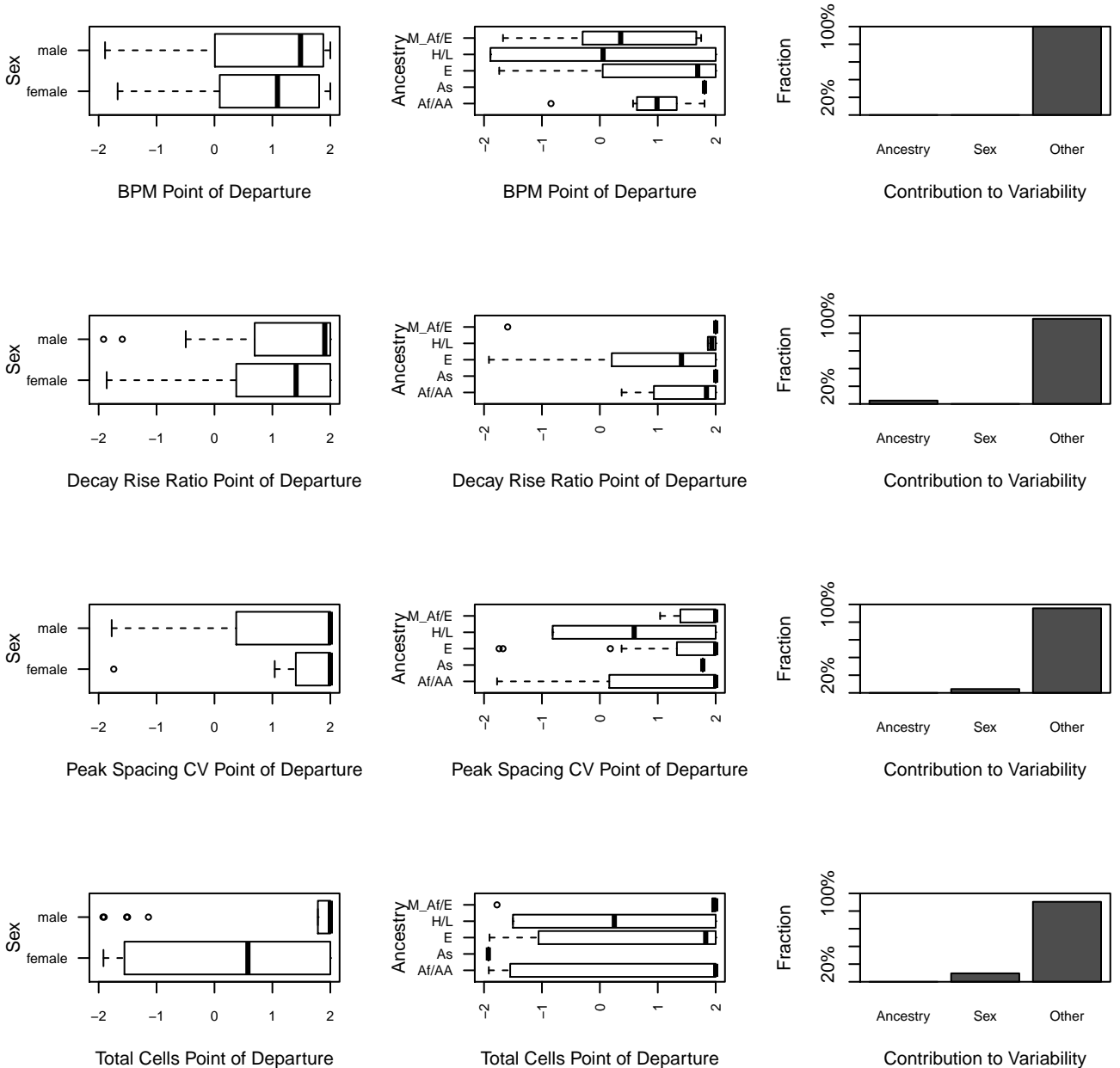
Total Cells Point of Departure

Contribution to Variability

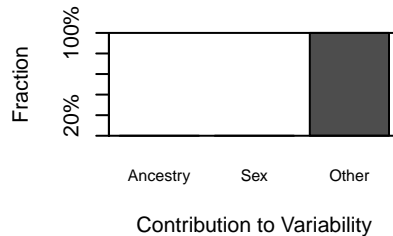
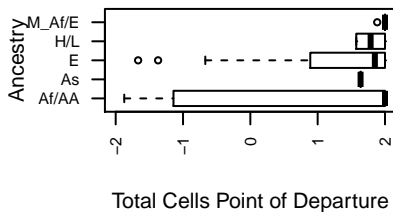
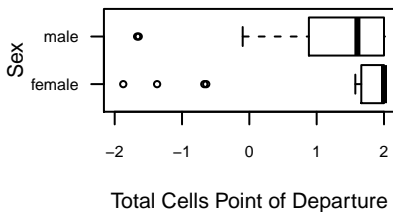
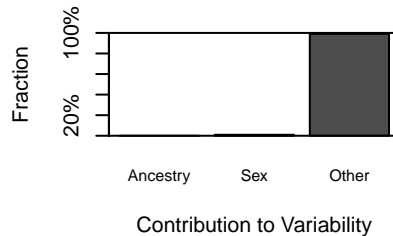
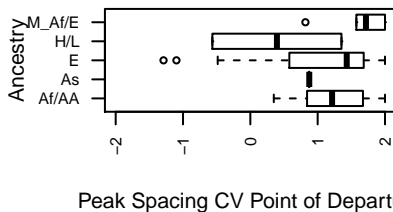
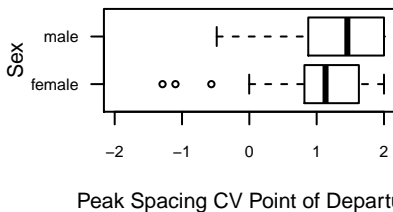
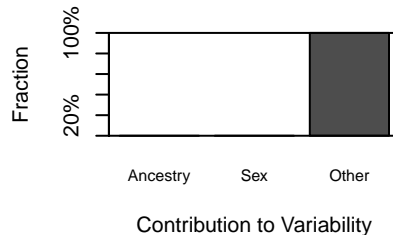
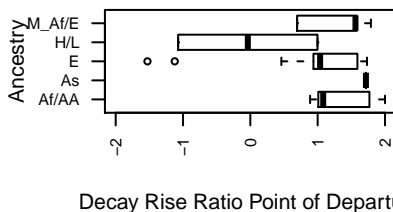
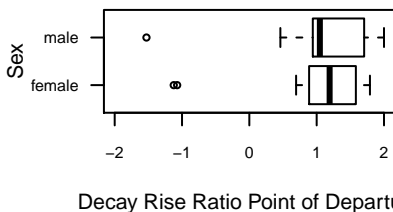
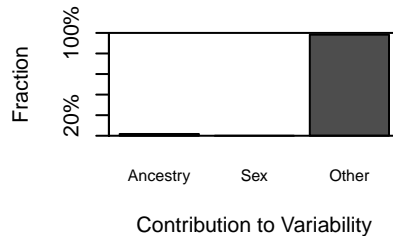
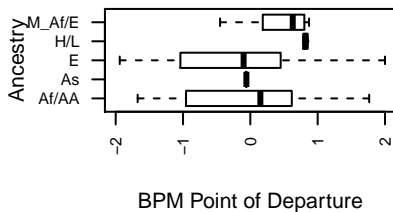
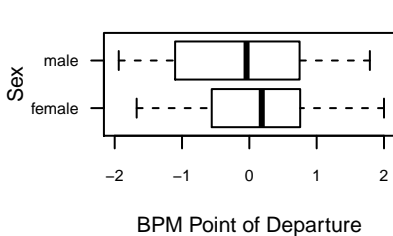
Endosulfan 119



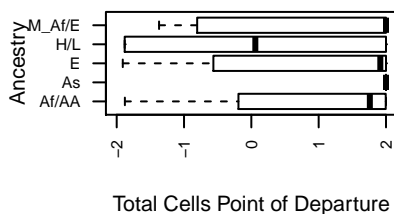
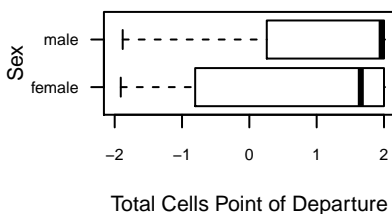
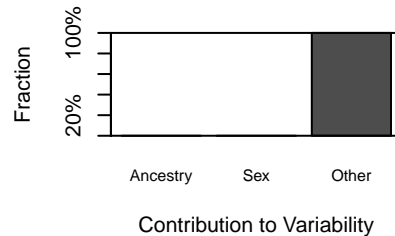
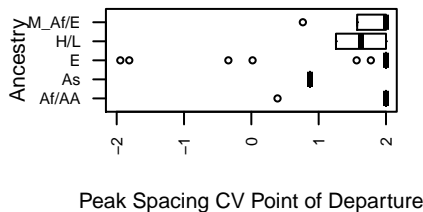
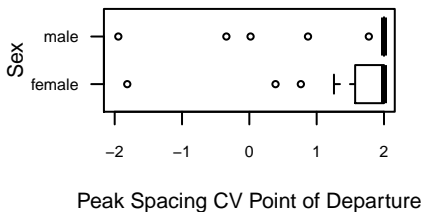
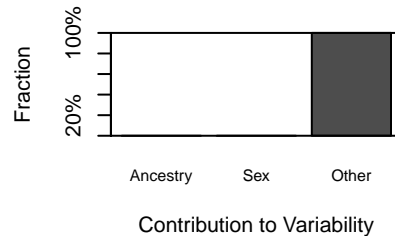
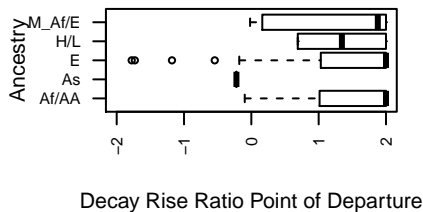
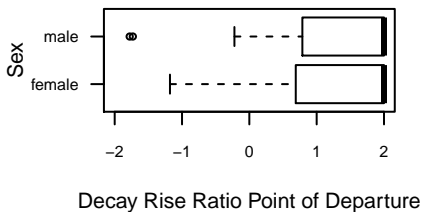
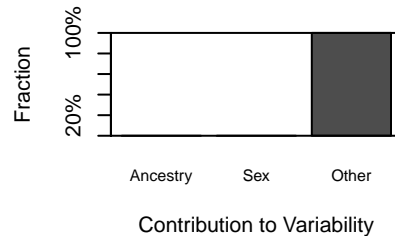
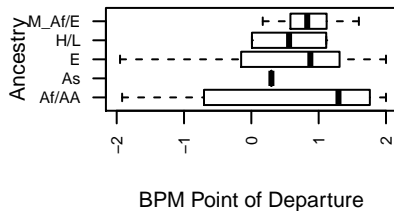
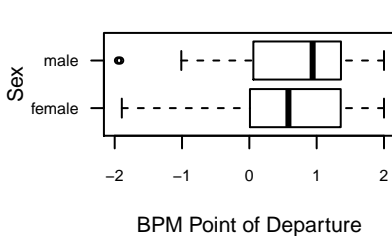
Ranitidine 120



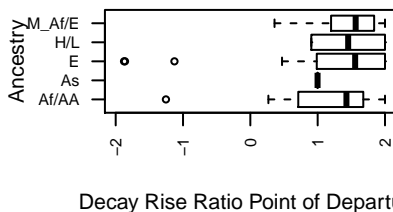
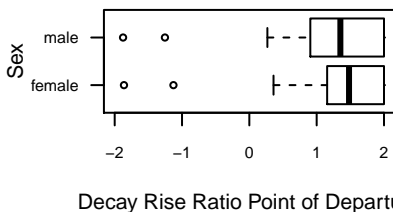
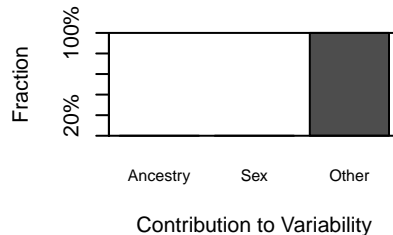
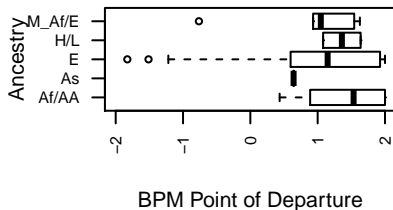
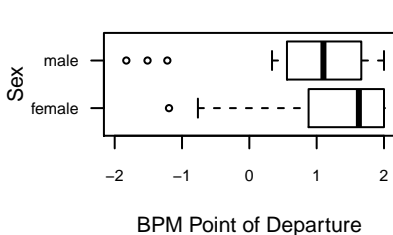
Pyrene 121



Methylparaben 122



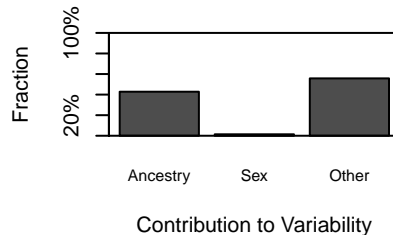
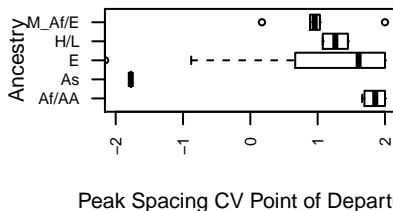
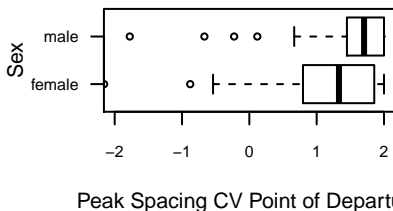
1,4-Benzoquinone 123



Decay Rise Ratio Point of Departure

Decay Rise Ratio Point of Departure

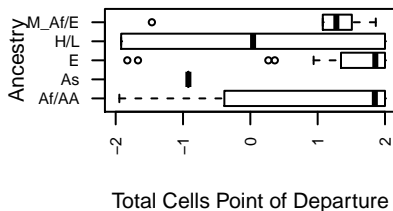
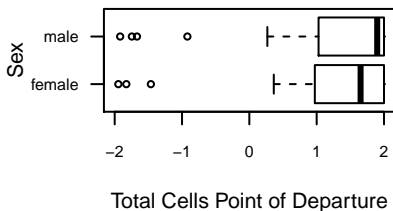
Contribution to Variability



Peak Spacing CV Point of Departure

Peak Spacing CV Point of Departure

Contribution to Variability

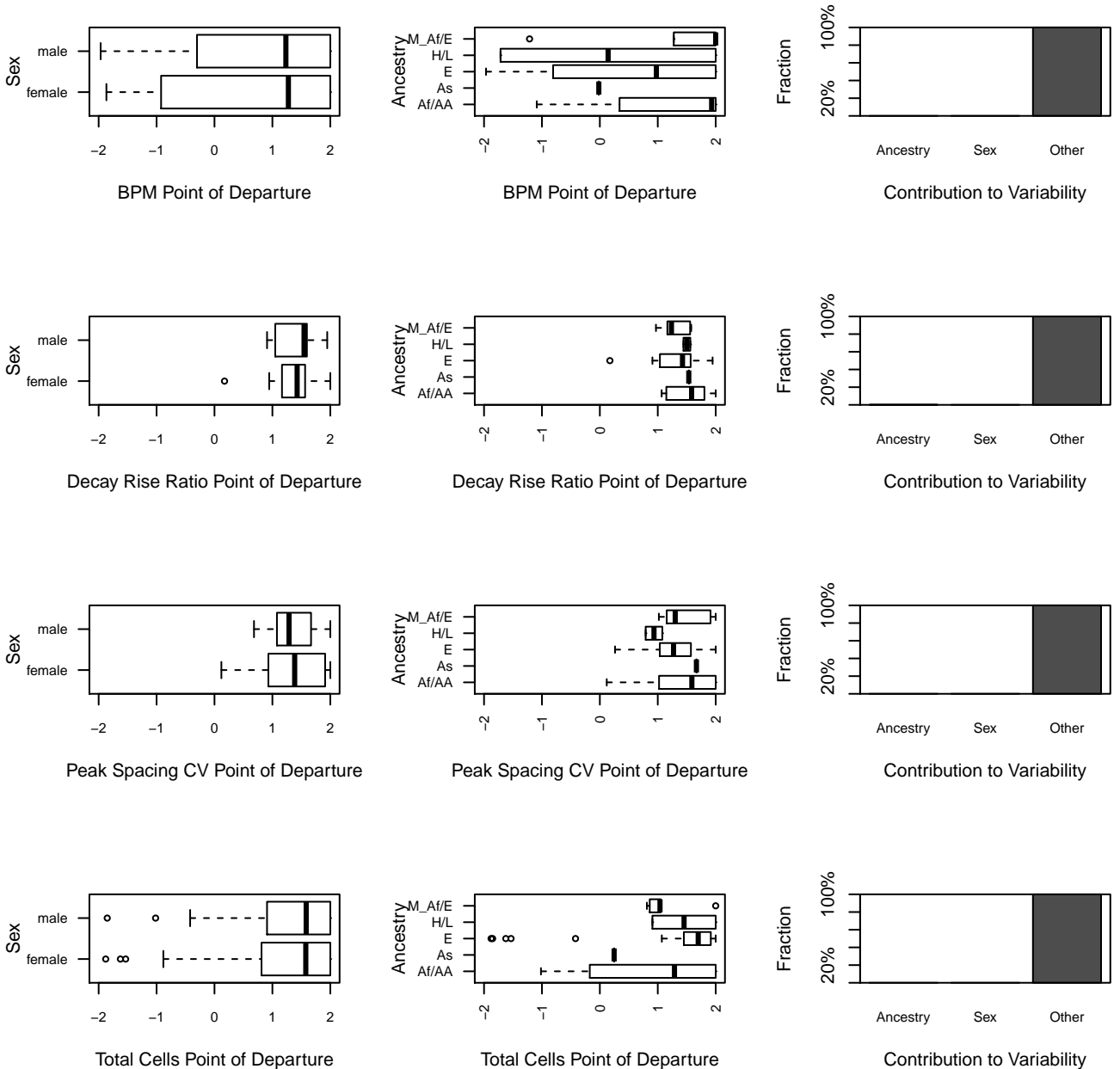


Total Cells Point of Departure

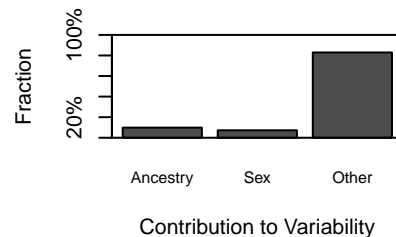
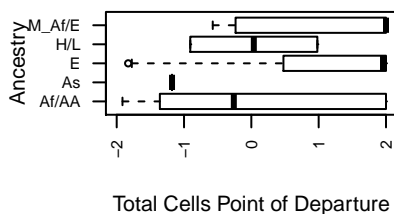
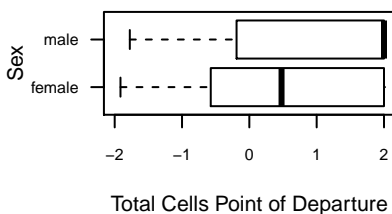
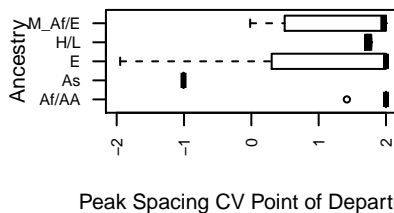
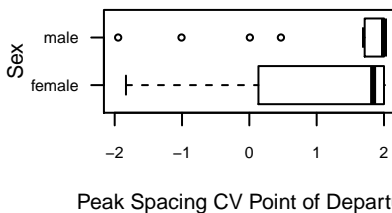
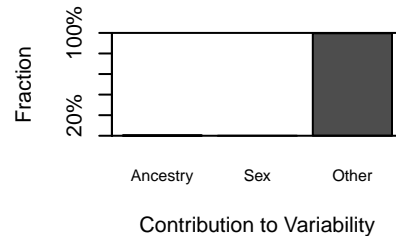
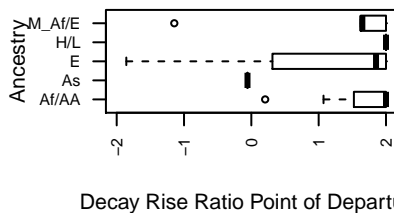
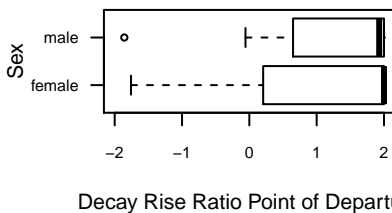
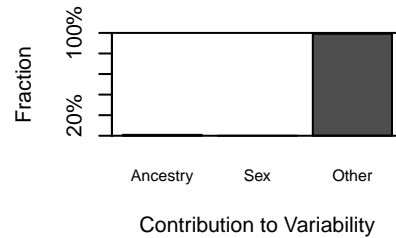
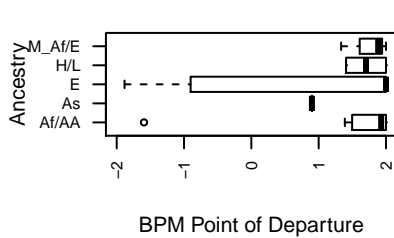
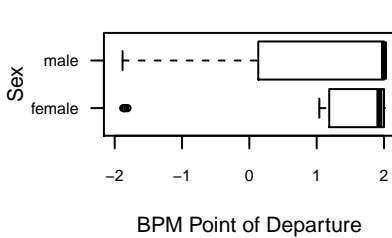
Total Cells Point of Departure

Contribution to Variability

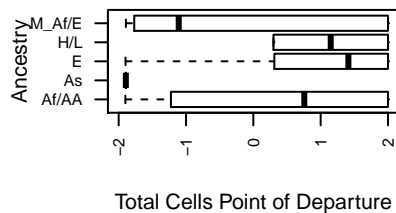
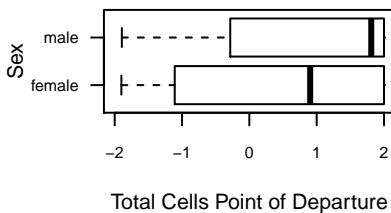
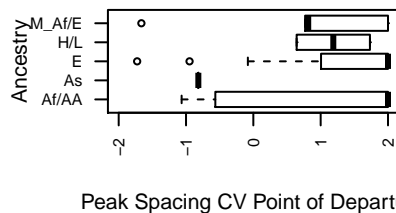
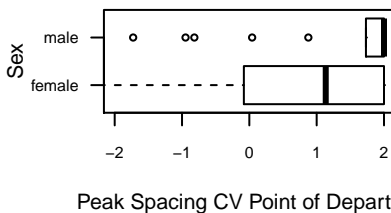
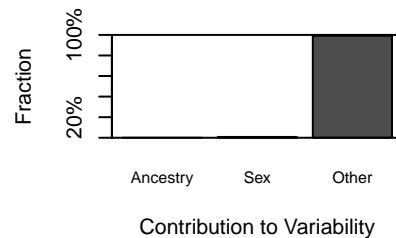
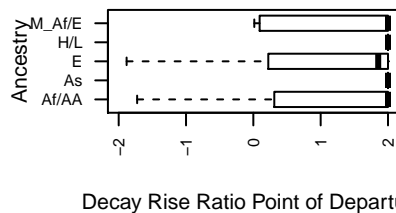
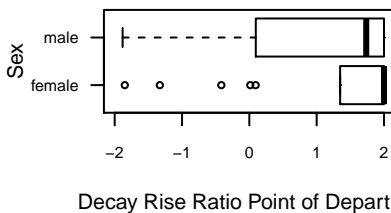
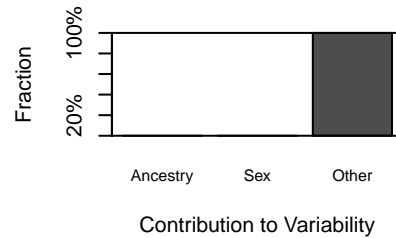
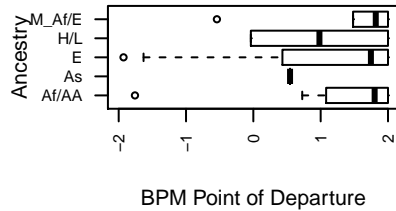
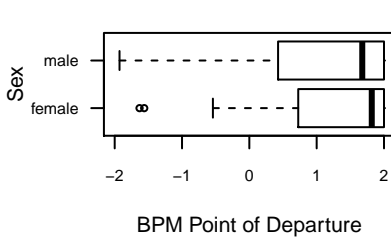
Propyl_gallate 124



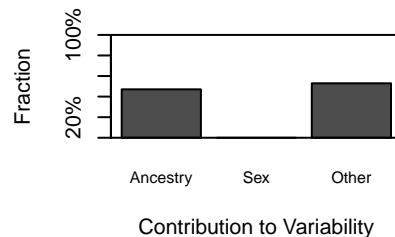
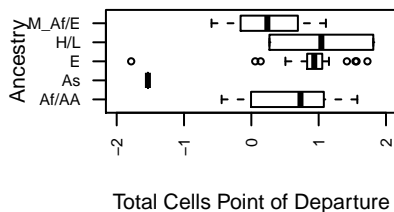
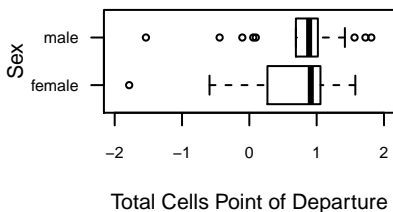
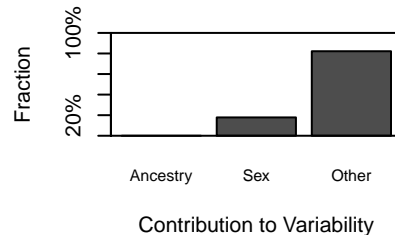
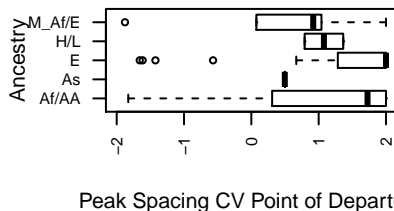
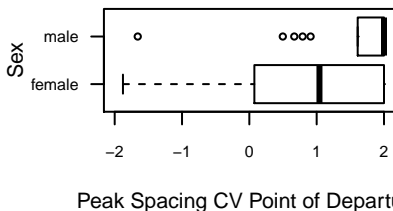
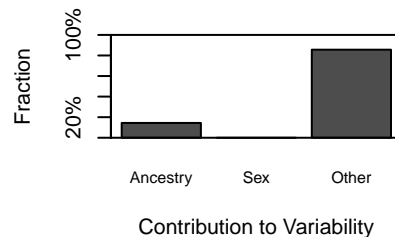
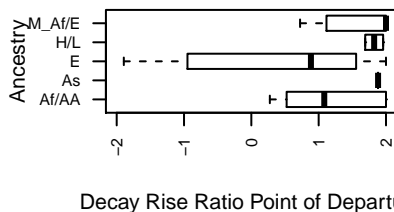
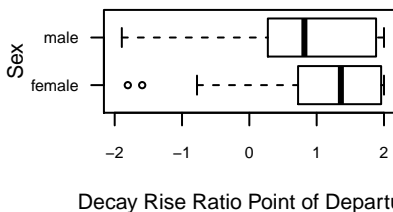
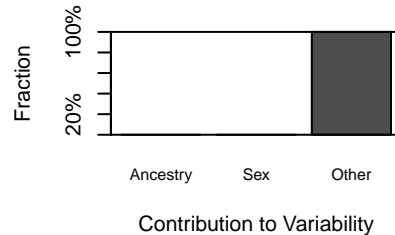
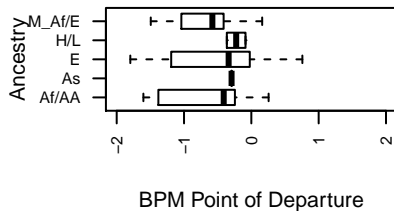
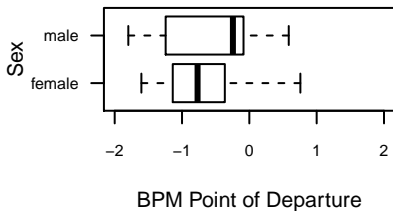
Citric_acid 125



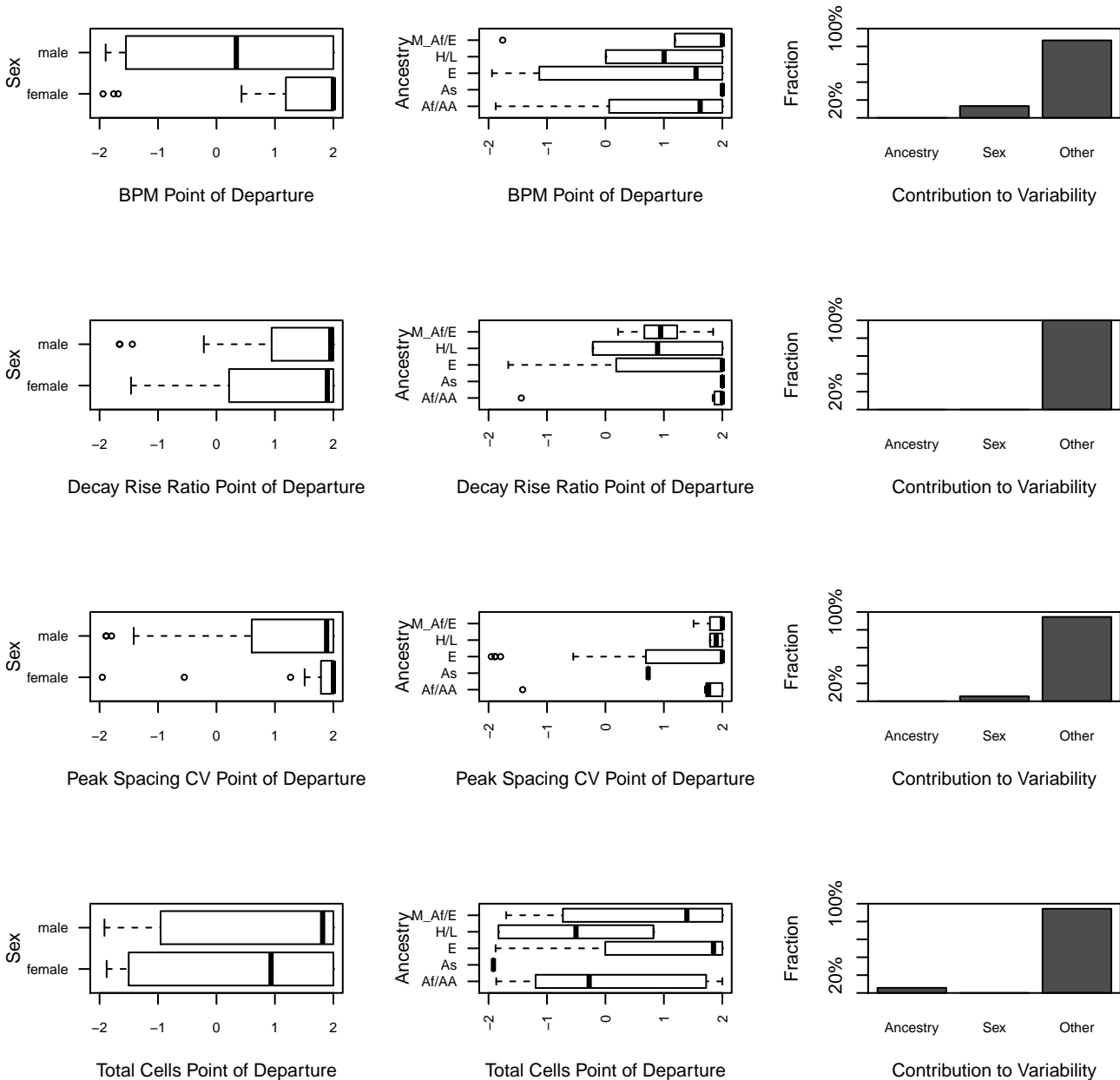
Sodium_valproate 126



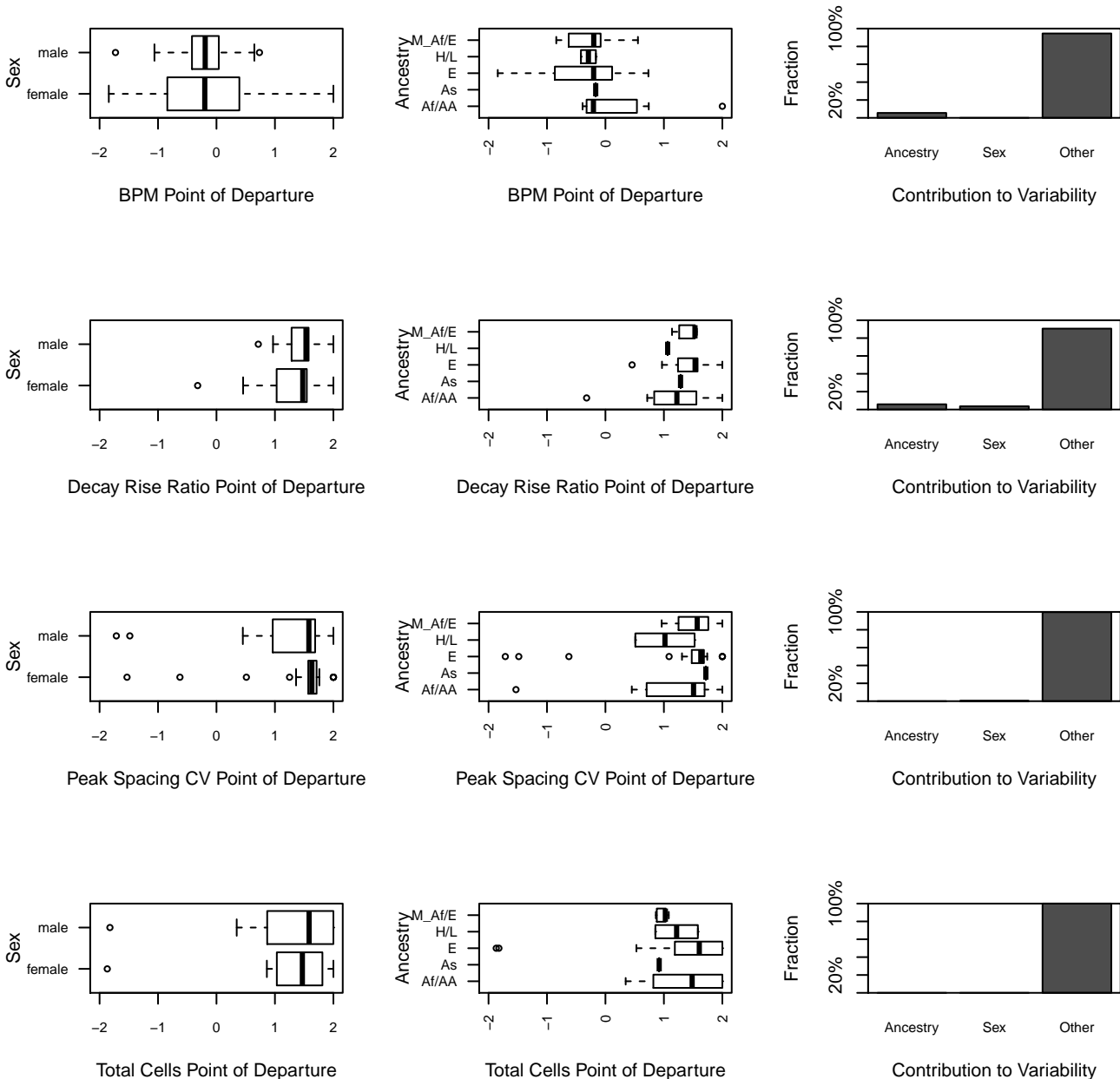
Benzo(b)fluoranthene 127



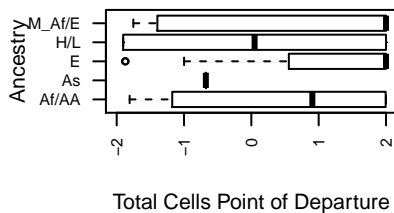
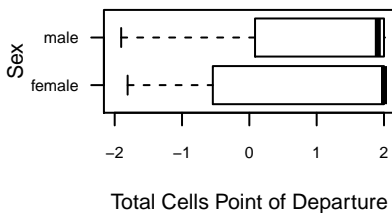
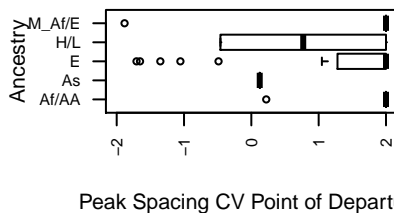
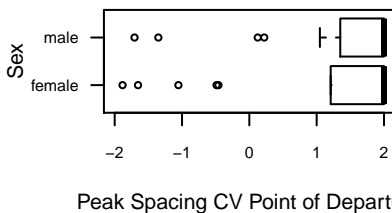
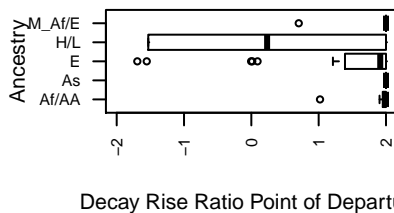
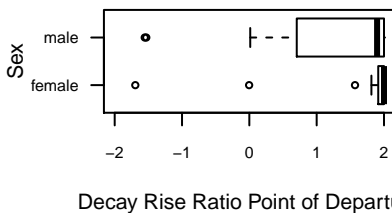
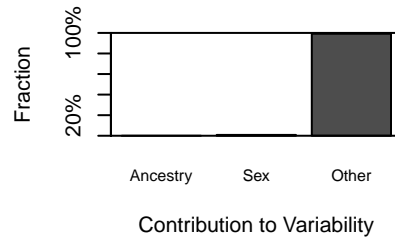
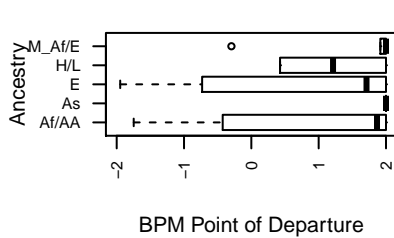
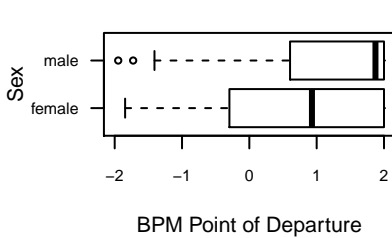
Biotin 128



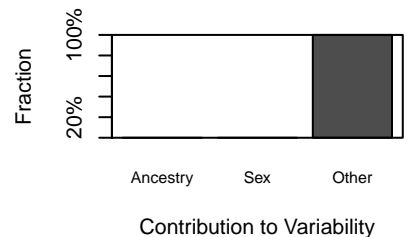
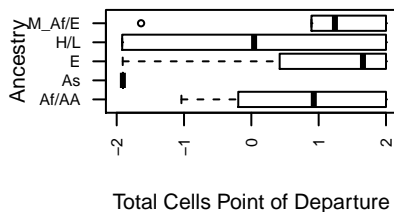
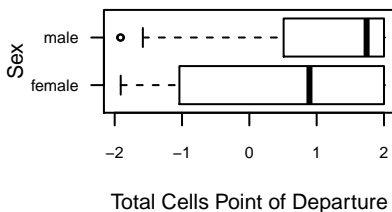
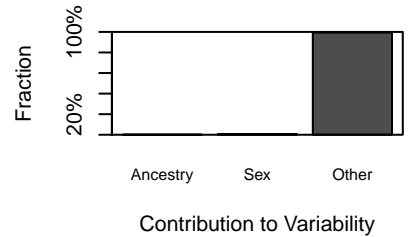
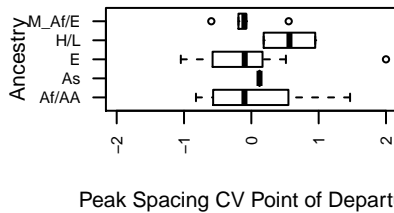
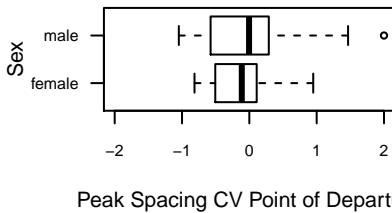
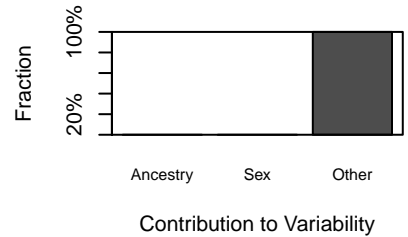
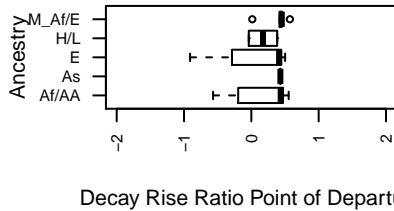
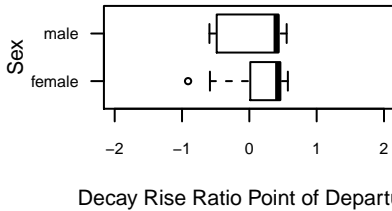
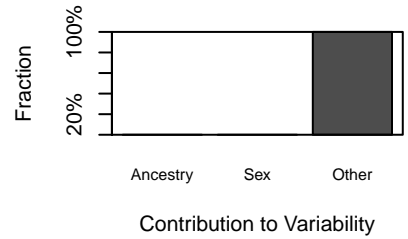
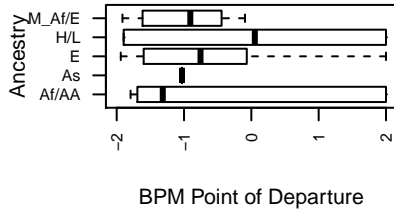
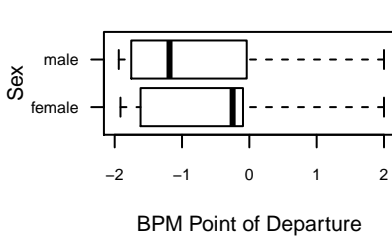
Dichlorodiphenyltrichloroethane 129



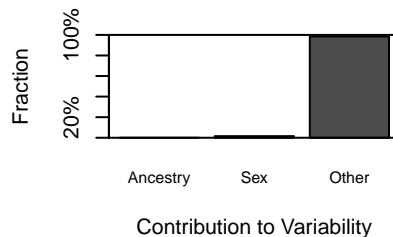
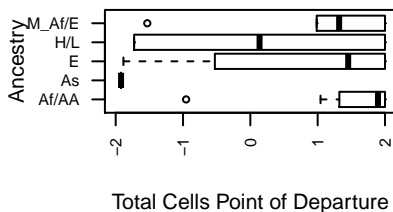
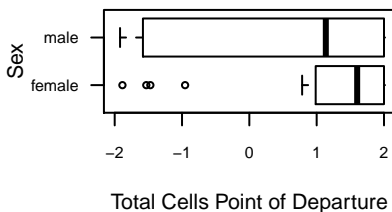
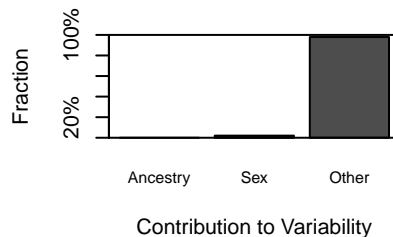
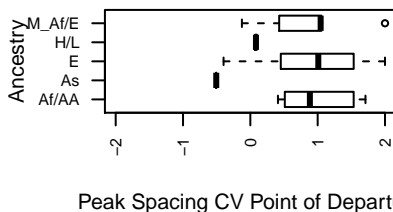
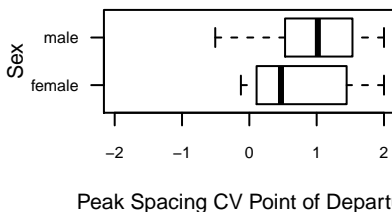
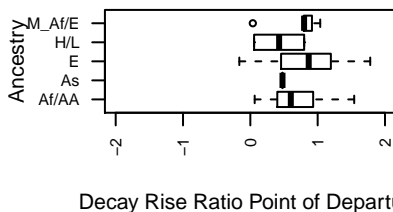
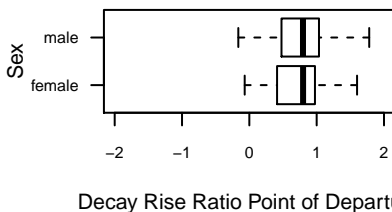
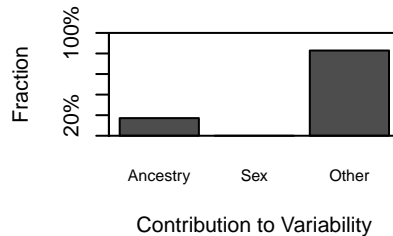
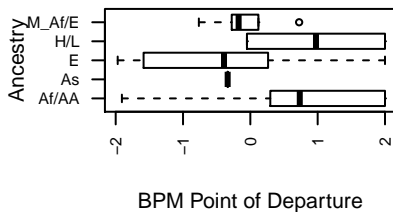
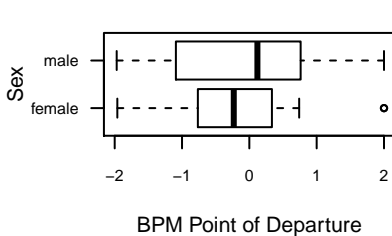
Hydroxyurea 130



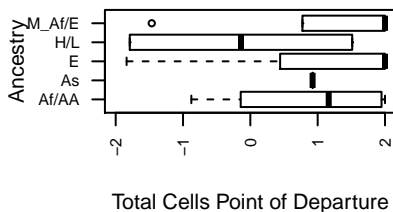
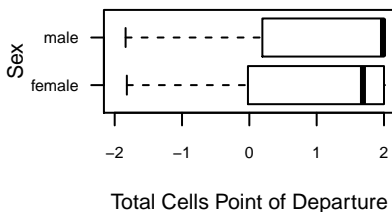
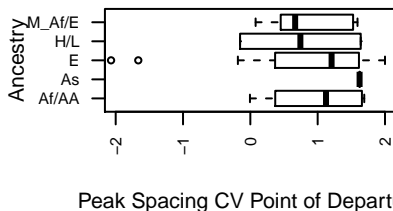
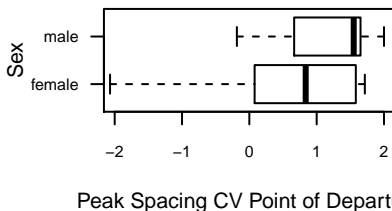
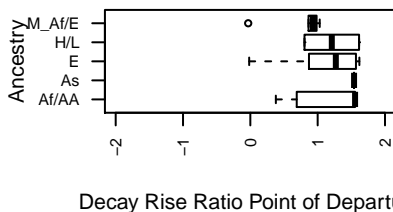
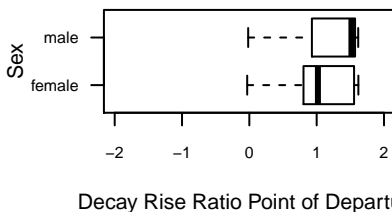
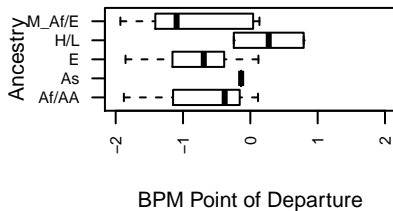
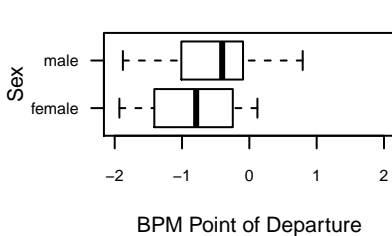
Reserpine 131



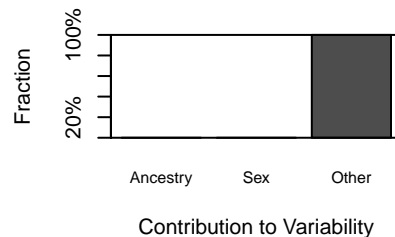
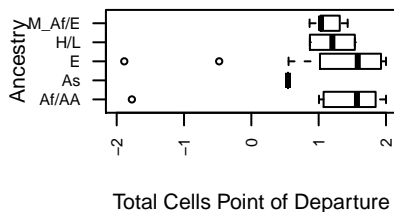
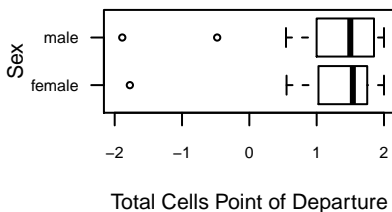
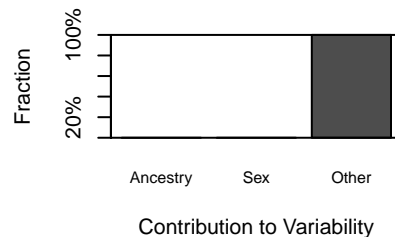
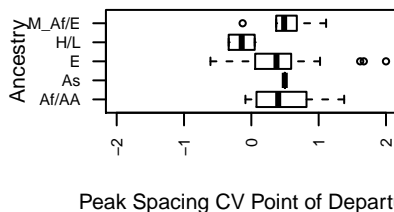
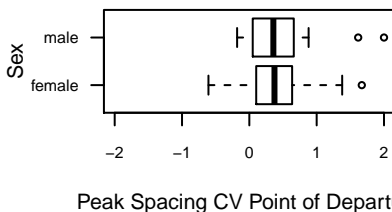
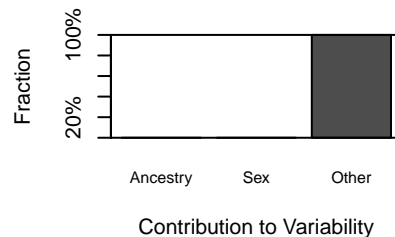
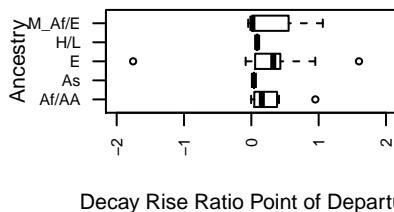
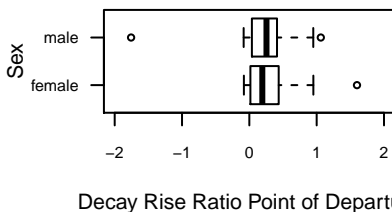
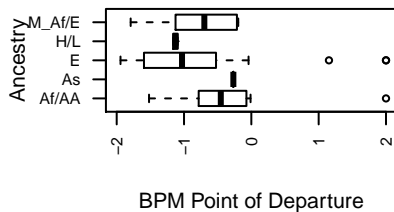
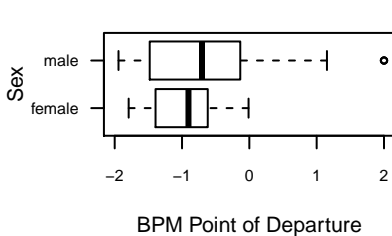
Bisphenol_A 132



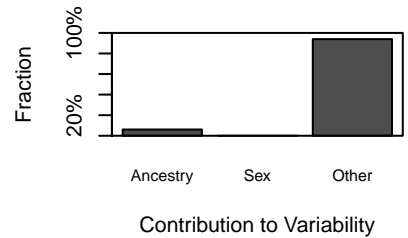
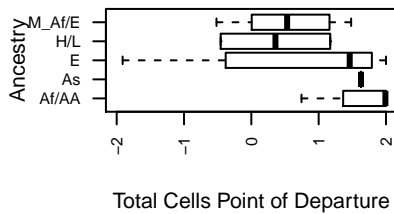
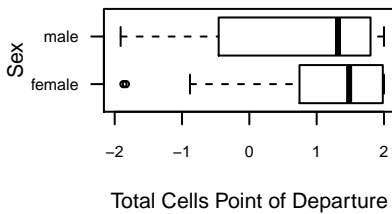
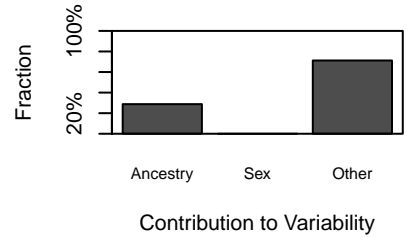
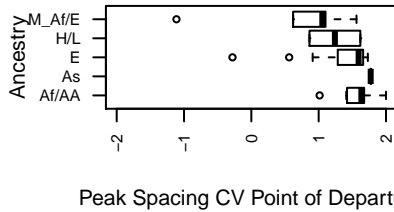
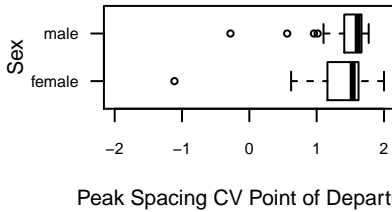
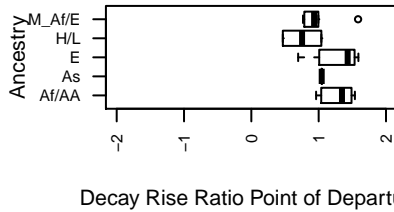
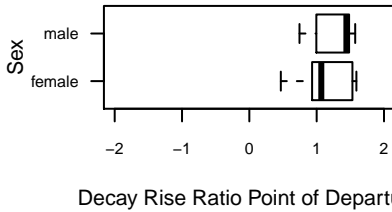
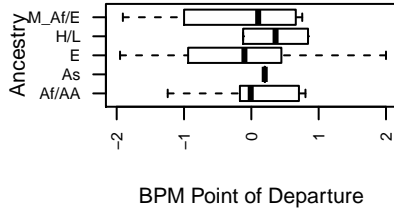
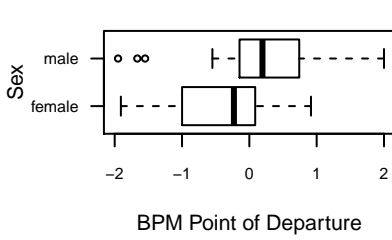
Progesterone 133



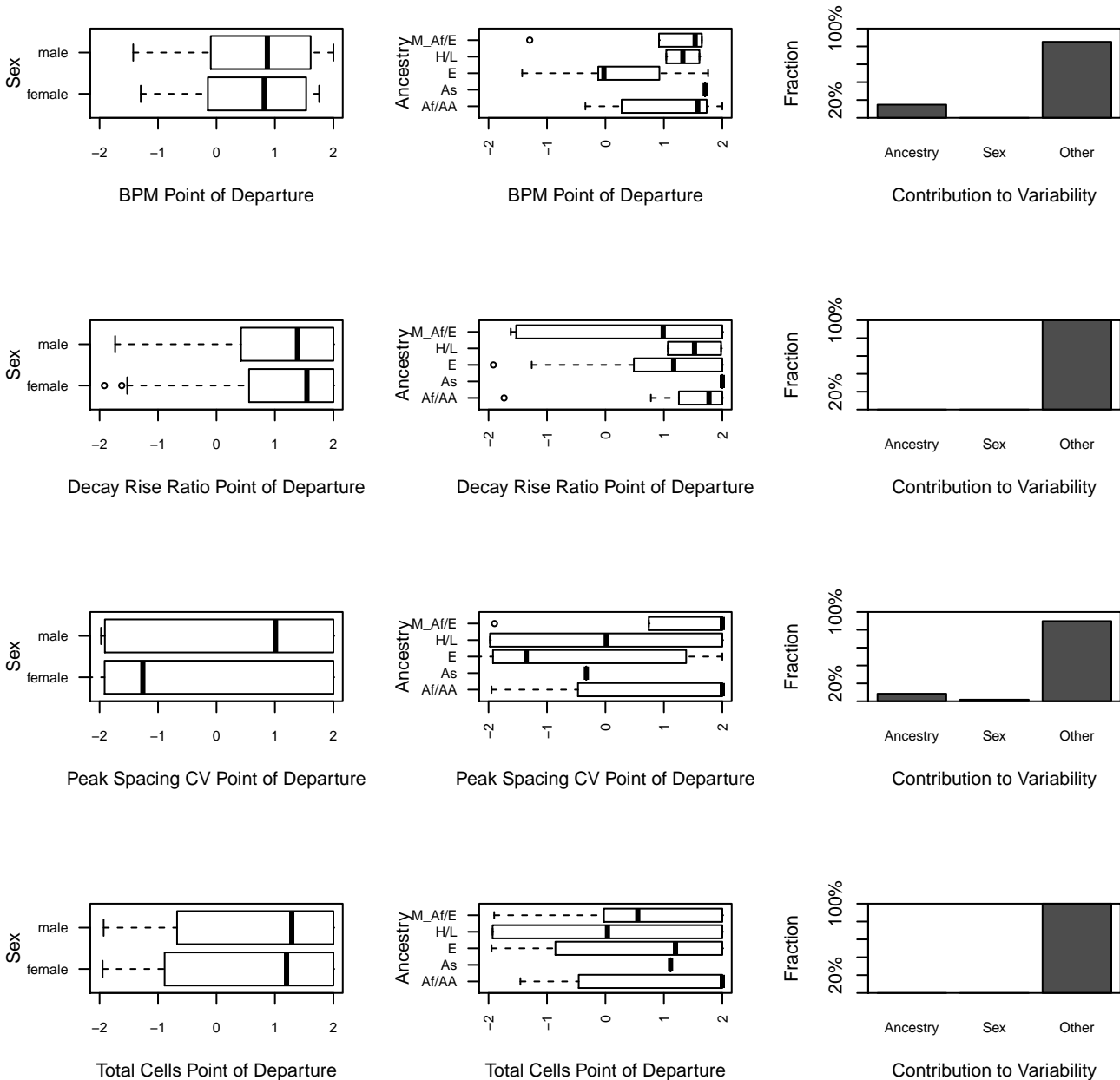
Diethylstilbestrol 134



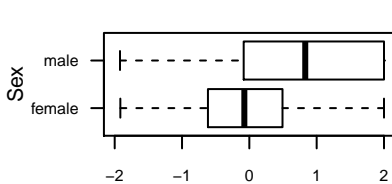
Flutamide 135



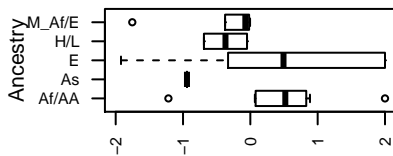
Di(2-ethylhexyl)phthalate 136



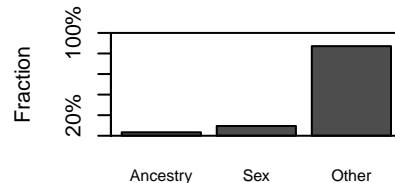
Tamoxifen 137



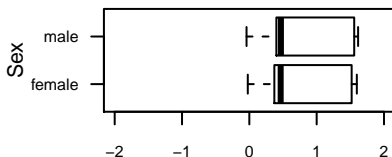
BPM Point of Departure



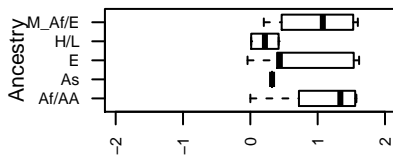
BPM Point of Departure



Contribution to Variability



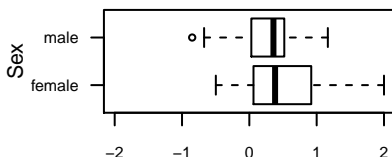
Decay Rise Ratio Point of Departure



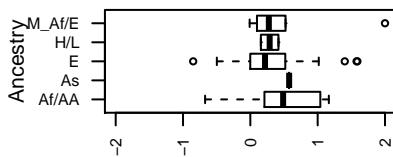
Decay Rise Ratio Point of Departure



Contribution to Variability



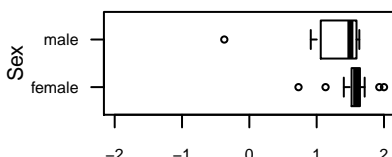
Peak Spacing CV Point of Departure



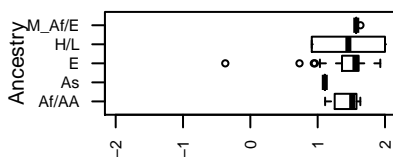
Peak Spacing CV Point of Departure



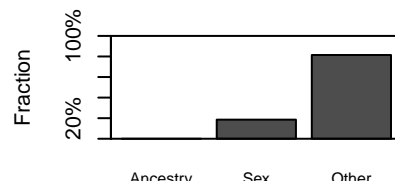
Contribution to Variability



Total Cells Point of Departure



Total Cells Point of Departure



Contribution to Variability

Phenobarbital_sodium 138

