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"Intercept": 3.00303025645457,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_pallens",

"age": 0.0117588439739731,

"del8": -0.0240395361178129,

"qurro\_classification": "Prevotella",

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"race": 0.336049913781825,

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"sex": 1.94731380031331

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.155800736239941,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.9084285517772104,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.24437631193392,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.90369737349352,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.692386661732269,

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"del8": -0.0595251595221965,

"qurro\_classification": "Corynebacterium",

"qurro\_spc": 23,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.50160816785104,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.351775911009601,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.75187576018175,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.04753283139474,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -1.2965793033885,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.34652707322806997,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.139469778827221,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.73044479094347,

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"Intercept": 5.84187467498026,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.182243850386432,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.6329766151394498,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -4.623140608036589,

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"del8": 0.0339432923502715,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.94249864939444,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.2649622308851,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.1633105623365199,

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"del8": -0.0958407366268842,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.234297964417645,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.28348628311494106,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.3658016940196402,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.942993487155365,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.589119699156574,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.570438229748218,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.3272177001078997,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.04795917395346,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.7085278379560241,

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"Intercept": -5.299854441459559,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae",

"age": 0.0535028414584187,

"del8": 0.0940556122369559,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.24853632196159,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.38538328438142,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.402935511418197,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.1753395815928798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.816349302494598,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.1662195941050904,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.656719480717255,

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"Intercept": -1.47854916649618,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Neisseriales; f\_\_Neisseriaceae; g\_\_Kingella; s\_\_",

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"del8": 0.0398819787807257,

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"qurro\_spc": 21,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.275426066211254,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8797586309552919,

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"Intercept": -5.17618672447958,

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"age": 0.17565975205669698,

"del8": -0.0443379530769347,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -1.2408832927988998,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.01864531294136,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.9386566516842539,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.0523685237010403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.239803110325409,

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"age": 0.0217033201612023,

"del8": -0.0280685036995022,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -2.0079616328318997,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.624994550907684,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.97314846716723,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8423445570111999,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.9601570387919798,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.6991985189557797,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.699058805668427,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -2.7375002171161698,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.8982278128703503,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.917418514454437,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.6282615925434151,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.37485948829987703,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.8763529082377801,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.8852646696210598,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.8183294554789902,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.50875810261972,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.33013722642631205,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.47498353690764206,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.79331267081102,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.38706561449758903,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.510398422443939,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.27955929069855895,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.76647603712877,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -3.3008649694562697,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0402607653972593,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.7245875617106798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.00351551648386,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.7132087966044798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.7411630499006001,

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"Intercept": -1.2369357784346497,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_ochracea",

"age": -0.0120425554208967,

"del8": 0.061134573668935994,

"qurro\_classification": "None",

"qurro\_spc": 11,

"race": 0.151276479828301,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.156162081117727,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.3420501019123101,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.5819781658138921,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.7002297659953503,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.510313545429779,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.29869153753547995,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.41038855285307707,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.68106663428148,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8828053129076229,

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"del8": 0.0507539553947241,

"qurro\_classification": "None",

"qurro\_spc": 45,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.9915445682491949,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.0549579923828603,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.61727106772264,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.1231730329633502,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.486443287678573,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.6102579852183703,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.84708407994516,

"Confidence": "0.9981145443576351",

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"Intercept": 2.07262141359292,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.10507366403312,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.175693667224438,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.9625277454177409,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.61002290449938,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.22401407834299,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9225782516513179,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.6016145964701998,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -4.4626157629133,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.5797722603443181,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.5953506591830561,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.2139191972852499,

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"Intercept": 1.28375090760432,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Butyrivibrio; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.17348364620546,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.25732942942373604,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.565536949479291,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.274562752536327,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0245618755141761,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.177239929401947,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.39893076165885605,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.0271607997928,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.45054495535692,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.125539098942352,

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"Intercept": -0.439275427635093,

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"age": 0.045352766827443,

"del8": -0.0165141591422765,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.0928738692952176,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.789630677855304,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.1955290672268601,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.44055950842699,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.9000153886914979,

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"del8": 0.0200403822965414,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.20885950123796698,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.9531032207522698,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0100922519485023,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.43567455015978,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.13355585459463498,

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"del8": -0.0683650424324481,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.10211354290972,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.653958771073529,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.5054592254672361,

"sex": 0.93084728703721

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 3.00244248563847,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.41980135641893,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.38722159985297,

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"Intercept": 5.36991794509135,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Actinomycetaceae; g\_\_Mobiluncus; s\_\_",

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"del8": -0.18939230903913698,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.548224055477589,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.14349302176229903,

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"Intercept": -1.5788141925887098,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Aggregatibacter",

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"del8": 0.0927140308923514,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -2.1711159016254498,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.1379450920138703,

"sex": 3.71364583060964

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -2.45027493780055,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.4021166583140798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.487158333027435,

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"Intercept": 0.895161465828042,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Actinomycetaceae; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.12344259226789302,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.46039077981681503,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.685618317416699,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.38589166944423,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.39248502455553,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.820729528629852,

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"Intercept": 1.9696082073196,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae; g\_\_Lautropia; s\_\_",

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"del8": 0.0053273817903788,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.8356611464855159,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.1669002410855,

"sex": -0.109556421778364

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.38928711615404,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.594102655613495,

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"age": 0.055182597205737004,

"del8": 0.0829070104665549,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.38918340407213,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.541020478045868,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.30743693654933196,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.3848398943980602,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.667402301991058,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0623073841693911,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9564465644870109,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.862545722178605,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.38126719199022,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.9548914777875671,

"Confidence": "0.8821592651362737",

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"Intercept": 3.1502681533738195,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Aerococcaceae; g\_\_Abiotrophia; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.600436422669598,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.22787586479523897,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.797476285151627,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.37816226683458,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.01154759999521,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.83645311622956,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.12323974912562599,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.3625015040477197,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.62394455548532,

"Confidence": "0.999999997801126",

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"del8": 0.0654234556860716,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.18237951055794102,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.16339977950713,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.24783300702968,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.34981191359362,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.764710937702728,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.28104927793770196,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.297559655002148,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -2.36323403661647,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.33506548605761,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.2556217062116404,

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"Taxon": "k\_\_Bacteria; p\_\_Spirochaetes; c\_\_Spirochaetes; o\_\_Spirochaetales; f\_\_Spirochaetaceae; g\_\_Treponema; s\_\_",

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"del8": -0.021771139799854,

"qurro\_classification": "None",

"qurro\_spc": 14,

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"sample\_collection\_time\_hongcode(T:Cort\_1200)": -1.63599109152953,

"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.9580177685069059,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.40705015913277,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.191118872455151,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.2852724810679799,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8908902061342471,

"Confidence": "0.9991411284181339",

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"Intercept": -3.8799478252486197,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_",

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"del8": 0.106144969017008,

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"qurro\_spc": 10,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.15590503469734499,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.3791599208632971,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.27681648932299,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.1058512079358798,

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"Intercept": -3.09874741631307,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0657510353631766,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.23476356471051998,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.223025533997723,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.24194124966005,

"sex": 0.41042886660321204

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.27448237143358,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.61846903439767,

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"Intercept": 0.9339357177659079,

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"del8": 0.10772809818456501,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.711043569886395,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.00737746925017,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.27265584669909,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.1321964609266102,

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"Intercept": -1.30011312561788,

"Taxon": "k\_\_Bacteria; p\_\_TM7; c\_\_TM7-3; o\_\_; f\_\_; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.0374380966471652,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.14696648374825,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.14261285095551698,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.148202651194718,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.26170766554674,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.131262387072967,

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"Intercept": 1.9934448069825,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Streptococcaceae; g\_\_Streptococcus; s\_\_",

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"del8": 0.0448121918744833,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.49878570779533093,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.174951874920338,

"sex": -0.5801315160013871

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -5.4341587955276,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.23538673125109,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.20336607571848,

"Confidence": "0.9979111400244187",

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"Intercept": 5.532687739555461,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Aggregatibacter; s\_\_",

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"del8": 0.0125625661022456,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.351776335084149,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.04350308208802,

"sex": -1.5915177912928302

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.145687586613509,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.2197212000926398,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.20950964566476,

"Confidence": "0.9999999998354383",

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"Intercept": 0.45091505450449393,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.44196841462822,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.912736809543163,

"sex": 0.007546320416765171

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0556974345962074,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.20661699972948,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.24397012118094,

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"Intercept": -1.02714602547445,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Tissierellaceae]; g\_\_Parvimonas; s\_\_",

"age": 0.0349476175166157,

"del8": -0.0473436153114348,

"qurro\_classification": "None",

"qurro\_spc": 16,

"race": -1.22974567545658,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.08506634489326802,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.258493745037525,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.419883959941056,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.16367018423876,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.29891518231637604,

"Confidence": "0.9851736813772215",

"Feature ID": "TACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCACGTAGGCGGCTATATAAGTCAGGTGTGAAAAACCTGGGCTTAACCGAGGGTATGCATCTGAAACTATATAGCTTGAGTCAAGGAGAGGAGAGCGGAATTCCTGG",

"Intercept": -2.4500252445296202,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Clostridiaceae; g\_\_Thermoanaerobacterium; s\_\_",

"age": -0.0100140994631263,

"del8": 0.079794843346575,

"qurro\_classification": "None",

"qurro\_spc": 19,

"race": -0.018049646747169,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.930520353670218,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.8832418654796571,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0224851009335212,

"sex": 0.497014120080309

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.29471731836399795,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.15830075941881,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.328811441624237,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.8738286231395692,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.1850983264956798,

"sex": 0.529550716140108

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.43187475854954493,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.1577659865458898,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.11329606648690801,

"Confidence": "0.999269245853256",

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

"age": 0.0249030390537766,

"del8": -0.0131738738708704,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.313471021299265,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0921614433887514,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.45510021477082496,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.304888003520158,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.1538513918956201,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.5272946703077089,

"Confidence": "0.9153532829647976",

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"Intercept": -3.27640597420492,

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"del8": 0.025202815086343998,

"qurro\_classification": "None",

"qurro\_spc": 15,

"race": 0.524274672734681,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.25140088999738497,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.20046887143821,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.764704310604542,

"sex": -0.0330573172785473

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.5250129634658403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.15262282095751,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.301434074604584,

"Confidence": "0.9999999999798064",

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"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"del8": 0.10284141138265401,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.7185568545696229,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.614719235607593,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.492339379139755,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.14073622427782,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.9568407880903,

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"Intercept": -0.18777100640096198,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0502305148548872,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.505021037702463,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.5128407742145602,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.43169578284880394,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.13753330908617,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.16316768053762803,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": -0.0271849067502229,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.332588853483103,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.37745502249031393,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.660725915142506,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.36044097597203,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.133603932484,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.625655208790375,

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"Intercept": -5.344349070365809,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.401016685807416,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0180617931399651,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.1316083689769199,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.80419996854074,

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"del8": -0.0125773636244743,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.280737373673627,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.05167034893373,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.12869441710314,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.19281414624459803,

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"Intercept": 4.938306407158,

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"del8": 0.00478819072316002,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.0115676501942654,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.11159870370597501,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.332152211376636,

"sex": 0.45696954415066704

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.10256588660082,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.147917474543976,

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"Intercept": -0.305205031211753,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0460415674752982,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0229480002757994,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.125389015964062,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.0995324870189098,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.29996183987863,

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"Intercept": 5.26081664962016,

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"del8": -0.038955875075659,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.556512806260296,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8262639877285649,

"sex": -0.25763927414195104

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -3.1133551532546497,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.0879575034221098,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.3021486150861499,

"Confidence": "0.9998347203996985",

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"Intercept": 0.9989530603333521,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_",

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"del8": 0.057424422950247,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.52377144127229,

"sex": -1.9869533629633602

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.0778337737163,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.21090051058523604,

"Confidence": "0.9999999004341952",

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"Intercept": -1.2022134502486201,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_[Paraprevotellaceae]; g\_\_[Prevotella]; s\_\_",

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"del8": 0.0181638306386263,

"qurro\_classification": "None",

"qurro\_spc": 64,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.46684723889360596,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.30916168943673,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.519629633716137,

"sex": 0.753722019352751

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.806112521342423,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.0605477114757,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.5705468905328996,

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"Intercept": -4.479529543693441,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_melaninogenica",

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"del8": -0.1330707551532,

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"race": -1.6887453092456401,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.617668602311322,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.661543214031666,

"sex": 3.72841061637624

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.0568398257335099,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.41936639424569705,

"Confidence": "0.9999999969562694",

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"Intercept": 0.742690042678933,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Neisseriales; f\_\_Neisseriaceae",

"age": 0.0371716120995072,

"del8": 0.0743984399742873,

"qurro\_classification": "None",

"qurro\_spc": 85,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.211982669477365,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.823590543425373,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.012200200268238,

"sex": -0.4429731221415229

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -3.11077021902004,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.05658400259813,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.2867710935712595,

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"Intercept": 2.6752138893052098,

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"del8": -0.0476037365004926,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.529710473661325,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.93984708532066,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.1226989987406997,

"sex": -0.5520893187739089

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.2548777228077403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.04965460501513,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.782396520411896,

"Confidence": "0.8788665777916026",

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"Intercept": -4.50288455086507,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Burkholderiales; f\_\_Comamonadaceae; g\_\_Tepidimonas; s\_\_",

"age": 0.0791004808403042,

"del8": 0.0040519876785070795,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.412117538805105,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.142936203324505,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.590138280102222,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.959933274439957,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.04386532507738,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.6755493032575379,

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"Intercept": -3.0789853771285,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_[Weeksellaceae]; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.4082322481189102,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.2071806257446698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.04101717673143,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.48179718378775,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.560943391478351,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.6999126312222201,

"sex": 0.0786010770581531

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0324432914932702,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.01493656836351,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.49859384175546295,

"Confidence": "0.999999999994543",

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"Intercept": 1.29024721783839,

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"del8": 0.0396788237995894,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.11959624940953,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -1.01447880469164,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.250767792498993,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_ochracea",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.7734921242359191,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0457163688625983,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.9866446276744271,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.00054911252267,

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"Intercept": -1.4353799064711499,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.61259243234367,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.49693492528207,

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"Intercept": 5.699499682609661,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_[Paraprevotellaceae]; g\_\_[Prevotella]; s\_\_",

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"del8": -0.0919708976142614,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.480685260451129,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.23189290733000603,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.607161038569596,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.312919412815643,

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"Intercept": -2.16604725914754,

"Taxon": "k\_\_Bacteria; p\_\_Spirochaetes; c\_\_Spirochaetes; o\_\_Spirochaetales; f\_\_Spirochaetaceae; g\_\_Treponema; s\_\_",

"age": -0.00234582314570871,

"del8": -0.00272419243981529,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.9079854224559749,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.272171014002946,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.944712044819203,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.181867445743011,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_[Weeksellaceae]; g\_\_; s\_\_",

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"qurro\_classification": "None",

"qurro\_spc": 33,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.7784360383388502,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.3960001829181,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.15448427850804097,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.943132521732655,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.64789751645334,

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"Intercept": -2.57163397866048,

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"del8": 0.0773886038369925,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0470876957538637,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.18043407172819897,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.401255601100114,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.9220920821269419,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.9306231391786803,

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"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"del8": 0.0815288914747031,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.752378966963581,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.0676527854885698,

"sex": 0.144441678979235

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.42605245763859,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.9128984232982059,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.23983224753134103,

"Confidence": "0.9982958057261491",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.8938032028164598,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.9121097346385391,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.234299386775421,

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"Intercept": -2.6568214138106296,

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"del8": 0.0245834557719023,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.36851820691795,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6312212112460439,

"sex": -1.2355502696253502

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.438972228221085,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.911707999332752,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.664295469486786,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.906669737919178,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.257371152675079,

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"del8": -0.0684404441707342,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.6053428386089289,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.699772990039379,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.9001551886638071,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.19823702696554601,

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"Intercept": 0.5771265785141989,

"Taxon": "k\_\_Bacteria; p\_\_TM7; c\_\_TM7-3; o\_\_; f\_\_; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.170084211671063,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.15467849998810998,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -6.13741444890895,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.8928869982798959,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.32702669028036496,

"Confidence": "0.9999999999842402",

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"Intercept": 4.87682469290934,

"Taxon": "k\_\_Bacteria; p\_\_SR1; c\_\_; o\_\_; f\_\_; g\_\_; s\_\_",

"age": -0.016595509413866998,

"del8": 0.0264454527206213,

"qurro\_classification": "None",

"qurro\_spc": 113,

"race": 0.0276579664825826,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.557902516965769,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.794904019987873,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.22088440627714898,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.42294978444972,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.8916529437144659,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.48780080202810705,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.650718238508991,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.29139939575532203,

"sex": 0.335963234164553

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.8409671718398599,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.883071543796864,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.3748713386415703,

"Confidence": "0.9999999999998437",

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"age": 0.00840288826892647,

"del8": -0.00798252165248085,

"qurro\_classification": "None",

"qurro\_spc": 21,

"race": 0.47244379984134705,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.2979221607807199,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.47069016723969703,

"sex": -0.579582080385847

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 3.0993355279644503,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.8765081187327769,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.7905234051107601,

"Confidence": "0.9989808607779973",

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"Intercept": -1.2428406913832601,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Erysipelotrichi; o\_\_Erysipelotrichales; f\_\_Erysipelotrichaceae; g\_\_Bulleidia; s\_\_",

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"del8": 0.0179699330038817,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.219188394193552,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.14786269918709102,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.5970718029055899,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -2.03421019857326,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.854661109073963,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.27687481518991,

"Confidence": "0.9975881798496882",

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_pallens",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.25040415554383,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.852988125904408,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.160552943980621,

"Confidence": "0.9955203875440306",

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"Intercept": 8.57570012015544,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_Anaerovorax; s\_\_",

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"del8": -0.0054891476028173,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.567294301633738,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0549516941669497,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.25430115432402,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.8307386656840708,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.1111226427198202,

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"Taxon": "k\_\_Bacteria; p\_\_Tenericutes; c\_\_Mollicutes; o\_\_RF39; f\_\_; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.197210099852374,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.00561889381071845,

"sex": 0.0241359619878101

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.798283459766712,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.341028417384552,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.504564258897015,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.18151482314726602,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.797612073047962,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.252146278584076,

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"Intercept": -0.870506926353355,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.00761196359367045,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.438025557705372,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7952305098613169,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.14780696753256198,

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"Intercept": 2.4810614745064803,

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"del8": -0.0420494323915376,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.319540765440753,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.851905905910938,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.689755194834855,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.793805958851185,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.10927363756887801,

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"Intercept": 4.69335992736063,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0953374172809633,

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"sex": -0.103060230753584

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7898200770457651,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0918191326021423,

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"Intercept": 0.510274604980569,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.321699592911908,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.141609347156078,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.780057789905872,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.373114381992889,

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"Intercept": 1.21746386689387,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.160970714247516,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.37220422058442293,

"sex": 0.493226691939669

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.779890896900501,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.379585300648285,

"Confidence": "0.8339209646047412",

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"Intercept": -2.35803763466634,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Epsilonproteobacteria; o\_\_Campylobacterales; f\_\_Campylobacteraceae; g\_\_Campylobacter; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.58213803514213,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7769819518168829,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.36729506131417894,

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"Intercept": -0.85970227318563,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Cardiobacteriales; f\_\_Cardiobacteriaceae; g\_\_Cardiobacterium; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.12799551740913698,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.562268817135303,

"sex": 0.101386323430376

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.197729832478378,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7716170569499399,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0295138013719787,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.95746842651704,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.554589265040543,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.769883277042713,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.348991478717255,

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"Intercept": 1.61708290976725,

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"del8": 0.0161238057918341,

"qurro\_classification": "None",

"qurro\_spc": 71,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.691105546598337,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.503211763060382,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0927594539608649,

"sex": -0.0820020885683728

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.5467629367629551,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.767079712971058,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.17347880724661202,

"Confidence": "0.9997215571502329",

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"Intercept": -2.4716326435164397,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Peptostreptococcaceae; g\_\_; s\_\_",

"age": 0.0116326553530482,

"del8": 0.0494400902099402,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.5924582217571229,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8144939777340581,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.33271361047825604,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7543116828044321,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.2823918211103211,

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"Intercept": 3.86200769347392,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Carnobacteriaceae",

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"del8": 0.0196175692982466,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.11697410886683698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.747933032139149,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.781233872210907,

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"Intercept": -0.734867020423789,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.3845590713534701,

"sex": 0.47209788844807604

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.353724234751847,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.746583821400013,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.5783987390638101,

"Confidence": "0.9999999999988916",

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"del8": 0.0361775128550322,

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"race": 0.4755158381342321,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0922165180805239,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.72499226873317,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.723544003589955,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.6618442880750429,

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"del8": -0.0154833247505634,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.9565341208812679,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.108342492290943,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.720961215122547,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.63713576916449,

"Confidence": "0.999865637315523",

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"Intercept": -8.118101282890219,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0272879494733603,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.285291852598093,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.7889415953990899,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.15271250038484,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.65018466588266,

"Confidence": "0.9899201252027675",

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"Intercept": -0.0270606716231301,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Aggregatibacter",

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"del8": 0.0194198681421072,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.172135803544232,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.86273153991362,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.9361268346985309,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.7043710967143442,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.596969639027191,

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"Intercept": -3.6540242870406097,

"Taxon": "k\_\_Bacteria; p\_\_[Thermi]; c\_\_Deinococci; o\_\_Thermales; f\_\_Thermaceae; g\_\_Meiothermus; s\_\_",

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"del8": 0.0550867958373816,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.185567591035077,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0224141243014642,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6956378241618539,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.715907131397797,

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"del8": 0.0315244315571577,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.636769029938885,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0777846935305901,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.25964044874110503,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6934458037455941,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.5893955576062929,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0547389720317808,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.465382492831738,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.685542466266956,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.28583840008981,

"Confidence": "0.9999999999056257",

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"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"del8": 0.0350779859728606,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0844907496807066,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.28902415066102,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.677024962528553,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.17724016782052598,

"Confidence": "0.7043868288097503",

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"Intercept": 6.81718762320719,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Streptococcaceae; g\_\_Streptococcus; s\_\_infantis",

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"qurro\_classification": "None",

"qurro\_spc": 259,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.677999231660077,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.25661746292451104,

"sex": -0.141778096697493

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0174517566482093,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6735926886638071,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.682438935077118,

"Confidence": "0.9963454981870122",

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"Intercept": 2.16220529479228,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Streptococcaceae; g\_\_Streptococcus; s\_\_",

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"del8": 0.029561911375025004,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.313709439878366,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.278674814545819,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0605613353762933,

"sex": -0.21338950111643804

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.19490622823634401,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.661211373432484,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.01654366132028,

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"Intercept": 3.2843852798386606,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Selenomonas; s\_\_",

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"del8": -0.0432341959530062,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.24338120425214604,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.130065467512897,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.13456805915495698,

"sex": -0.0129218549944592

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.8281349008759001,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.656085254772511,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.6669639003633729,

"Confidence": "0.996481783632135",

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"Intercept": -2.79198758202352,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Actinomycetaceae; g\_\_Actinomyces; s\_\_",

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"del8": 0.0425943328447134,

"qurro\_classification": "None",

"qurro\_spc": 50,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.0409889796925564,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.196394469893268,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.3660834667172129,

"sex": 0.203559830643969

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.278225415400651,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.651532294376698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.637532507145477,

"Confidence": "0.9999997131877463",

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"Intercept": 1.9014229561134397,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Porphyromonadaceae; g\_\_Porphyromonas; s\_\_",

"age": 0.00107691490719589,

"del8": 0.00214918762514901,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.348336193406293,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8909744384799309,

"sex": 0.33466838286145195

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.641956450565663,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.04182728651755,

"Confidence": "0.9135535776935743",

"Feature ID": "TACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGGGCGCAGACGGTTACTTAAGCAGGATGTGAAATCCCCGGGCTCAACCTGGGAATTGCGTTCTGAACTGGGTGGCTAGAGTGTGTCAGAGGGGGGTAGAATTCCACG",

"Intercept": 0.11985047263346199,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Neisseriales; f\_\_Neisseriaceae; g\_\_Neisseria; s\_\_oralis",

"age": 0.0163006508506325,

"del8": -0.0024436110251157303,

"qurro\_classification": "None",

"qurro\_spc": 40,

"race": 0.251804626899901,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.18345171010027103,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.221814181959918,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.23240383834502,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.8480693166931601,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6227947493632701,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.02864810351126,

"Confidence": "0.9999983609538322",

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"Intercept": -1.36878745156087,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Megasphaera; s\_\_",

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"del8": -0.00177001520921875,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.376439359343341,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.48764292030671297,

"sex": -1.00261090709941

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.26796496564946,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6213113089640999,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.29037400606863,

"Confidence": "0.9973680451310432",

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"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Neisseriales; f\_\_Neisseriaceae; g\_\_Eikenella; s\_\_",

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"del8": 0.0451226128644736,

"qurro\_classification": "None",

"qurro\_spc": 21,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.3769631649616271,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.59316667289397,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.9752296274383998,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6169762631495861,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.145348991191315,

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"Intercept": -3.86534230309286,

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"del8": 0.0661261050410063,

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"qurro\_spc": 64,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.13655379072457,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.34406026572844295,

"sex": -0.506717190287275

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0589163368423913,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.609030606373158,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.148317133152557,

"Confidence": "0.9958462145237511",

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"Intercept": 3.64454837245188,

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"del8": 0.0132504484064372,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.21201941713065803,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.167582833477466,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.3577217990676429,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6087009926875501,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.1177060258745402,

"Confidence": "0.9999999975352267",

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"Intercept": -0.635170384223838,

"Taxon": "k\_\_Bacteria; p\_\_GN02; c\_\_BD1-5; o\_\_; f\_\_; g\_\_; s\_\_",

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"del8": 0.0472660554952414,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.636264350569538,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.21571835250517604,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6078718920787239,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.00471047040231332,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_nanceiensis",

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"del8": 0.0208567275113852,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1200)": 0.027534251411756003,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0714450146320376,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.06441108017305,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.2011971408645201,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.6076134463389781,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.38183709505789204,

"Confidence": "0.7456694435992387",

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"Intercept": -2.1665503223494498,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Epsilonproteobacteria; o\_\_Campylobacterales; f\_\_Campylobacteraceae; g\_\_Campylobacter; s\_\_",

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"del8": 0.0994786067313941,

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"qurro\_spc": 69,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.254341337525555,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.22261151046416,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.126903050593522,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.606697799785938,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.5560517656446229,

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"del8": 0.0015485329932959,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.28492901071281107,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9628886344943349,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.857684499569747,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.590385915859547,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.266448701655792,

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"del8": 0.0316810725636275,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.24117618596086698,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.402842972123334,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.162762963482349,

"sex": -0.5621222110010821

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.37722969705662496,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.5799604674418829,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.318860853946136,

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"Intercept": 1.4699246446534198,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0282900302119048,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.853868749296955,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6112007263217281,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.984301322154191,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.5660433789332769,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.61988309499033,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_",

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"del8": 0.0112440741069109,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.2691467736598898,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.04532912998536,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.06776093786159,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.5512813349803349,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.10519048098318501,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.704624626481244,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.120983517459423,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.90058707540431,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.542732836826649,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.6507914411664701,

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"Intercept": 4.69548495215617,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Epsilonproteobacteria; o\_\_Campylobacterales; f\_\_Campylobacteraceae; g\_\_Campylobacter; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.470427248322674,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.251499092868359,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.33539676015773,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.537557484730091,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.6450517522931802,

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"Intercept": -3.96250836449422,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_iners",

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"del8": 0.14188471868703698,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.20140698210029898,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -2.7631202575649905,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.537009002788868,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.48826571825735493,

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"Intercept": 1.73017113012515,

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"del8": 0.0134893140203745,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0234124396678892,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.47901042670866795,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.527192237003651,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.417609010899139,

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"Intercept": -1.42387072640218,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Peptococcaceae; g\_\_Peptococcus; s\_\_",

"age": 0.00965595671603951,

"del8": 0.0314189983911307,

"qurro\_classification": "None",

"qurro\_spc": 59,

"race": 0.34903801919812205,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.291393937711618,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.21904566541939102,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7469865444217031,

"sex": 0.5535411982320121

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.5344996517380198,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.521093251331654,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.23761442776925698,

"Confidence": "0.9762513875625072",

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"Intercept": 0.0139826099320457,

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"age": 0.0341963307715443,

"del8": 0.0955631329126151,

"qurro\_classification": "None",

"qurro\_spc": 99,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.32172992483406393,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.49304708213469295,

"sex": -0.514045819780989

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.5192732831080821,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.4008121835828602,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.130274140545338,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.217498785801742,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.517224313839283,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.4814579141496889,

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"age": 0.0351454416073349,

"del8": 0.00781624451349091,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.15261885865897798,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.070528185657055,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.48932349882921206,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.57173242691748,

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"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Lachnoanaerobaculum; s\_\_orale",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.4867079022441203,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.27900934869847,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.484203340633717,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.278168712818695,

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"Intercept": 0.7890170375748679,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0143231904513628,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.786581542647174,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.288565003582447,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.479934455974903,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.14756420727975,

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"Intercept": 2.50419376892291,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.07482382997245,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.968261635592968,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.26915622407994,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.46589124403795296,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.293964709079193,

"Confidence": "0.99999999999838",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0105235312816587,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.219045079043896,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.1310571086763601,

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"Intercept": 1.70644484562121,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Micrococcaceae; g\_\_Rothia; s\_\_aeria",

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"del8": 0.0620011655993254,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.549732897126385,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7154232624087641,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.460217001064625,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.301401411259247,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.7766763588236791,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.8727001880046809,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.262464678576977,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.12206948453984,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.45303201876482,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 3.04607715729468,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.127982129008272,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.252695379610159,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.56392290846138,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.353573000720532,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.45086276732286495,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.608798299992157,

"Confidence": "0.9999999982246663",

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"del8": -0.038717784787765004,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.570459577882001,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.12293974190095,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.44549441988072097,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.44546199045976703,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.473108018672394,

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"del8": 0.0531691952056677,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.47162196382255195,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.846542918392628,

"sex": -0.130857154867811

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.46719025915065104,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.43590605460008597,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.22572163220651298,

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"Intercept": 3.4792985479279603,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Selenomonas; s\_\_noxia",

"age": 0.0315845446444539,

"del8": 0.006415319294431921,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.450586583769611,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.5381351348843271,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.6605343883713221,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.42688751421770094,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.44167522069223003,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_melaninogenica",

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"del8": 0.0327533526725562,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0294268395069155,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.46491733818390996,

"sex": 0.5267850904248521

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.295059449025008,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.425343753918018,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.3402967798353,

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"del8": -0.016258378847738997,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.361776378310016,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.4995594856228521,

"sex": -0.227663979075117

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.417048337086048,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0913229333997498,

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"Intercept": -2.490812941368,

"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.250340196931073,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.070650255969555,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.413362266643849,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8223626268266909,

"Confidence": "0.9868218882237113",

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"Intercept": 0.278056101028542,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Veillonella; s\_\_dispar",

"age": 0.047641872034171,

"del8": 0.0653907625384123,

"qurro\_classification": "None",

"qurro\_spc": 127,

"race": 0.16974615620369,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.7881566902445771,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.557182815230182,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.515305197528393,

"sex": -0.0601178856112194

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.918171531506393,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.40833568774065004,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.74100014094107,

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"Intercept": 1.69945173067294,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.9213340546253241,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6885646942172359,

"sex": 0.358900979020433

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.36244416887364095,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.407108189686146,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.41026791456930495,

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"Intercept": 3.6174312393113195,

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"del8": 0.00451743662426781,

"qurro\_classification": "None",

"qurro\_spc": 247,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.184275415098957,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.583657347866505,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.136809832402084,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.404497983082142,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.68604520436533,

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"Intercept": -0.365577145393272,

"Taxon": "k\_\_Bacteria; p\_\_Spirochaetes; c\_\_Spirochaetes; o\_\_Spirochaetales; f\_\_Spirochaetaceae; g\_\_Treponema; s\_\_",

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"del8": -0.00775697767665077,

"qurro\_classification": "None",

"qurro\_spc": 27,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.343974855101398,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.618456923672169,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.31479800397954,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.40370035372575797,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.16907099362619002,

"Confidence": "0.9999925744750587",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.39416726798674395,

"sex": -1.4151197524286898

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.17698264772496,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.388920070751515,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8265247690320741,

"Confidence": "0.9999897928835071",

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"Intercept": -0.8790921409682231,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Aerococcaceae; g\_\_Aerococcus; s\_\_",

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"del8": -0.0738011071078985,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.64532182245591,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.38752007685503004,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.619097505772186,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.354905870116046,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0582579013790778,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.322261339970443,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.37946796618303297,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8480077135205991,

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"Intercept": 2.0353365457548898,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": -0.0035205999009816705,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.5294854904773739,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.409159577182324,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.9661419326583409,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.370614530666676,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.12915214422934,

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"Intercept": 1.3367384235306798,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Lachnoanaerobaculum; s\_\_orale",

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"del8": 0.007383660078743209,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.12845704301566802,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.34085932998994106,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.12346339876255699,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.37014687262376794,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.12047747250803,

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"del8": 0.0625438733405859,

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"qurro\_spc": 21,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.459523258562185,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.8555333350536309,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.19067243366578,

"sex": 1.4054013042233797

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.5942327911178139,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.3645153065761,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.5978389131665961,

"Confidence": "0.9999999999999574",

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"Intercept": -1.58664934235372,

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"age": 0.0131312483705071,

"del8": -0.0174731997393577,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.09991786226005,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.39348936731419304,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.356134059055653,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.6636039865373841,

"Confidence": "0.999999999992994",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.442124340378949,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.6134485366855,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0677354400833581,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.35086405478319205,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.645194088184906,

"Confidence": "0.9998649252966751",

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"Intercept": 3.1945093433304796,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Selenomonas; s\_\_",

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"del8": -0.000684473066827541,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.58106138960152,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.124138676830738,

"sex": -0.0218539090372754

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.34385311804613106,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.21023539181954998,

"Confidence": "0.747269778431052",

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"Intercept": -1.7239698608473701,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Peptostreptococcaceae; g\_\_; s\_\_",

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"del8": 0.067224670798281,

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"qurro\_spc": 26,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.7034225200054139,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6800264480624499,

"sex": -0.46855185940043503

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.344053513356063,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.33945512972673403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.893741096293854,

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"Intercept": -1.7225562770918799,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Erysipelotrichi; o\_\_Erysipelotrichales; f\_\_Erysipelotrichaceae; g\_\_Sharpea; s\_\_",

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"del8": -0.00641944199731041,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.31537980044355196,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.568141725218585,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.632800185390919,

"sex": -1.8337486834742298

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.285206549815324,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.334217669590321,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.735730971133636,

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"Intercept": 4.24490983885966,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Selenomonas; s\_\_",

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"del8": -0.0306677579500287,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.11315872923164699,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.5801037910495109,

"sex": -0.249717340014143

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.6779995625694701,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.330916287525501,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.236862693989349,

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"Intercept": -1.9407059391097001,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

"age": 0.0216112011827019,

"del8": 0.0157853035635741,

"qurro\_classification": "None",

"qurro\_spc": 34,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.295384226198294,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.8791799809101141,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8060180309329341,

"sex": 1.3457244782231599

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.3530651395996498,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.3281996270259289,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.504546011722015,

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"age": 0.0114450758106497,

"del8": 0.0094913473732264,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.0563233826992,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.325173856838551,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.53379849072702,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0357537533405337,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0914250251736335,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.023690694026139002,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.31595134936174396,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0570643293500672,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.00470068708687155,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.12128154068330001,

"sex": -0.17991183712260297

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.6596384113510579,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.314995052440968,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.9706070768476259,

"Confidence": "0.9999997193774671",

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"Intercept": -1.3803025920943202,

"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"del8": -0.109079349189302,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.66297009245186,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.59369763106963,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.31438720427354805,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.4917407381177699,

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"Intercept": 3.6600192348404903,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.655346181547931,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.560105645367115,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.211135619334367,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.3073624392589,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.6358105790971981,

"Confidence": "0.9560214053847345",

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"Intercept": -0.951598091895957,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0636422897937807,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.326929175564258,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.305110218151417,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.643969331944061,

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"Intercept": 1.83984346789561,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0490083430644956,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.30680640906950796,

"sex": -0.559918508074446

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.303265573604908,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.684560502803253,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_; g\_\_; s\_\_",

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"del8": 0.0105948454148562,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.253711435639569,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.300299646480885,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.136298214161469,

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"Intercept": 0.0232950012131736,

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"age": -0.0478808036290619,

"del8": -0.0173667123161762,

"qurro\_classification": "None",

"qurro\_spc": 22,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.7291448692036651,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.9098973010417909,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.0988557103190697,

"sex": -0.6758278460718821

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.408654219456527,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.29856121741136604,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.15280380371802,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.380289258603952,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.12049296156196902,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.215945803829639,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.31842101270756,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.28658402167162,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0589120042680968,

"Confidence": "0.9942436038141426",

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"Intercept": -0.22681371765889702,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_; g\_\_; s\_\_",

"age": 0.0069437814659861,

"del8": -0.0760451064996927,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.363008177569897,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.38282037431797705,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.281400086506214,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.35674628142111203,

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"Intercept": 0.348548130218606,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_[Weeksellaceae]; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.0314669345256802,

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"sex": -0.211069926760359

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 3.00089479143224,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.27476883135637303,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 3.37444290045493,

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"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Epsilonproteobacteria; o\_\_Campylobacterales; f\_\_Campylobacteraceae; g\_\_Campylobacter; s\_\_",

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"del8": 0.144199450165728,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -2.7853812595652596,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -2.91699078336983,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -2.69439419479033,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.39912032430568,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.272258522137013,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0397892343641053,

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"Intercept": 1.07347358864985,

"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Fusobacteriaceae; g\_\_Fusobacterium; s\_\_",

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"del8": -0.0040763610594480105,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.40758583291740097,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.539212620547802,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.5472434153636403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.266433837040272,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.71932076934569,

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"Intercept": 1.05950434607707,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Micrococcaceae; g\_\_Rothia; s\_\_mucilaginosa",

"age": 0.0176348188675431,

"del8": 0.0687246589369566,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.179335890169241,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.755943271958539,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.1222902175869598,

"sex": -0.13470308496729902

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.428839213200424,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.264981629474964,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.37859031084768696,

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"Intercept": 3.84496303004466,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Veillonella; s\_\_parvula",

"age": 0.0206533694423226,

"del8": 0.027461615056494,

"qurro\_classification": "None",

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"race": 0.451243440973702,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0235281254413637,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.15079633026459902,

"sex": -0.322335109255476

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.26387405596574803,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.3605330837129821,

"Confidence": "0.999999949677702",

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"Intercept": 2.16902540725909,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Tissierellaceae]; g\_\_Parvimonas; s\_\_",

"age": 0.00113241986999783,

"del8": 0.00726448431680512,

"qurro\_classification": "None",

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"race": 0.44733276532882704,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.273279878937909,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.171425902554005,

"sex": -0.0801378936983776

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0815906589706872,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.46900895711191,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.35308406099052103,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.684074557117016,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.3020312851151001,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.242449524029102,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.48793152447946203,

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"Intercept": -2.18859641152181,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Selenomonas; s\_\_",

"age": 0.0355852158523587,

"del8": 0.0361485375470908,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.15191271559029002,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.32074292869231,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.7338235443314051,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.22951126299699803,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0956771028398742,

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"del8": 0.014640387744406,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.240534756028363,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.160924351504833,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.06721472089687,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.21231210432848002,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.212759767735077,

"Confidence": "0.9129500101376046",

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"Intercept": 0.54652924937449,

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"del8": 0.0284596054262907,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.1262455250385301,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.4817143318142598,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.6012699538985761,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.204981567486134,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.238368545734955,

"Confidence": "0.9999980128866061",

"Feature ID": "TACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGAGCGCAGACGGTTTATTAAGCAAGATGTGAAATCCCCGAGCTTAACTTGGGAACTGCGTTTTGAACTGGTAAGCTAGAGTATGTCAGAGGGGGGTAGAATTCCACG",

"Intercept": -0.11524073677815899,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Neisseriales; f\_\_Neisseriaceae; g\_\_Kingella; s\_\_",

"age": 0.00081570686469349,

"del8": 0.0490806891031058,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.00684311643867819,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.205566561511547,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.607740157298234,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.199798228367176,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.74877146359689,

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"del8": -0.0651279495649545,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.3933699706746121,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.842153284394452,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.320014321514576,

"sex": -1.4310105891443898

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.20110226327976896,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.190106870754566,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.41164883497946203,

"Confidence": "0.9999266775545663",

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"Intercept": 0.5135831396027609,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Micrococcaceae; g\_\_Rothia; s\_\_dentocariosa",

"age": 0.00982492098281654,

"del8": 0.0782554788894446,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.722796974535086,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.00405893071861,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7508756282840079,

"sex": -1.34224067642467

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.38587880785069206,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.18551314078172698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.115827525889801,

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"Intercept": 4.1156106750413,

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"age": 0.0114375637627629,

"del8": 0.00428659901092362,

"qurro\_classification": "None",

"qurro\_spc": 251,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.805798111314871,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.892983171784588,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.430823481372387,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.5825066501418603,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.18376338682970103,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.164020623004364,

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"Intercept": 2.10101027143441,

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"del8": 0.0169416522986681,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.041431722993948,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0035839344623598297,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.26067289085051304,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.10944008176723,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.17826259337266895,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0589279783128966,

"Confidence": "0.9999999997912852",

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"del8": 0.0267839176959784,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.0450606921864529,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.20649364248543103,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.17260941238066502,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.8032713597496497,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.172548176868763,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.14412495020621,

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"Intercept": -4.84464470940389,

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"del8": 0.0447710423178465,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.25530102506905,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.00796898574492255,

"sex": -0.292857036135359

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.7966862981995079,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.159098627193775,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.62791470166452,

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"Intercept": 0.9520465890809101,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": -0.0342114356898277,

"qurro\_classification": "None",

"qurro\_spc": 26,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -1.5583700557993898,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -2.0292878414753,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.0615073081936501,

"sex": 2.9049490837834595

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0671894485274818,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.15608871184190803,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.387740577495026,

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"del8": 0.0138268886513503,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.810210201585003,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.1108349922213898,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.76061160022816,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.14897620879015,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.852391685283111,

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"Intercept": 1.04576559466563,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": -0.0445984753167762,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.95230105177193,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.23044260711333,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.90106654817662,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.146628143413868,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.25783208485849,

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"Intercept": 5.63896162909708,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Haemophilus; s\_\_parainfluenzae",

"age": -0.00238043668051687,

"del8": 0.0356036840386183,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.54008290513725,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.283849633029492,

"sex": -0.199579700968428

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.6898565227309731,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.132338764293995,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.13192781332724002,

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"Intercept": 2.8713223497315497,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Porphyromonadaceae; g\_\_Porphyromonas; s\_\_endodontalis",

"age": 0.0187447393096474,

"del8": -0.0166511436544864,

"qurro\_classification": "None",

"qurro\_spc": 138,

"race": 0.366563151943627,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0354656909343687,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.11140235633513301,

"sex": -0.108370646975203

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.35608673746189795,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.131465556248036,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.11114100095040899,

"Confidence": "0.9983320578216045",

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"age": 0.013269668982127,

"del8": 0.0067546857900412,

"qurro\_classification": "None",

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"race": 0.23521320836538398,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.34774348481864603,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.48181200677952507,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.126511575802174,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.10115333918326,

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"Intercept": 2.77674086493693,

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"del8": 0.00844209328363251,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.09330619031987,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.11531579695543302,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.46409818056814595,

"Confidence": "0.9999999864486854",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.468546893751911,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.124179041675121,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.10535300428471,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.11345708571275698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.04406326349668,

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"del8": 0.0484198226041586,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.409985568678668,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.247268355182201,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0299637382706139,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.106433274372425,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0818637264131774,

"Confidence": "0.9999999556566773",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.6968700621959649,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.23289099960664,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.10570752821764,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.449402297770904,

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"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Tissierellaceae]; g\_\_Parvimonas; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0704076026317564,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.384327733227222,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.10447347365221,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.25436476346262,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.150327947295001,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.11551347999909599,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.16700184995732,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0943015833934213,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.0207718265413501,

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"Intercept": 5.6406951705857304,

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"del8": -0.0205185649537056,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.740318510377118,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.3824644920315399,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0864959975322153,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.531311308109833,

"Confidence": "1.0",

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"Intercept": 0.269459561531167,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.6770208145740538,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8230839607205079,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0849298258860971,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.416853939259125,

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"Intercept": -0.147164746101279,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Streptococcaceae; g\_\_Streptococcus; s\_\_anginosus",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.607600869779489,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.6396863724353821,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.23122366637847,

"sex": -1.51803933098094

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0815709849437143,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.00092080708749,

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"Intercept": -0.981881066139121,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.1160101626750902,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.73643524105153,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0775215645869638,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.39770249005563,

"Confidence": "0.9999739017026064",

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0817781326260261,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0764832431594398,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0771459361155893,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.550065075123383,

"Confidence": "0.9998532617007149",

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"Intercept": -1.4637328823164901,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria; o\_\_Rhodocyclales; f\_\_Rhodocyclaceae; g\_\_Propionivibrio; s\_\_",

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"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.39992028271684793,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.19179651483268,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.16247597961762603,

"sex": 0.247624054410295

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.8012680942336599,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0664731284221078,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.982230271136688,

"Confidence": "0.8121514568875071",

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"Intercept": -0.269443436439414,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_; g\_\_; s\_\_",

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"del8": 0.0578218741721899,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.669828441298297,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.608079278179615,

"sex": -1.965151414416

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.589456087895248,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0615375062068368,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.616573606693817,

"Confidence": "0.9999999999999716",

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"Intercept": 0.5502094785615009,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.21382119909553896,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.16797193259856,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.058098795040455,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.16892137650244,

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"Intercept": 0.560198978607278,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Moryella; s\_\_",

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"del8": -0.0704161239408462,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.229122665083698,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.163921034625561,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.69597513134083,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.05695080958208099,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.19538167592294298,

"Confidence": "0.9999999834732426",

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"Intercept": -2.62506358223714,

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"age": 0.0296106921292332,

"del8": 0.0557845948643477,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.5558773895548801,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.595539596236041,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.275387203982861,

"sex": 0.0283098964474964

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.16927767450413397,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0489121695598032,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.789117540156769,

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"Intercept": 0.305448965255837,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_; s\_\_",

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0437349101146127,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.93902686711557,

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"del8": 0.00746664464543175,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.485858890855023,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.210051142879932,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.47737883870998,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.0168210288127328,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.780374084675385,

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"Intercept": 2.09877739948473,

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"age": -0.0704451887153598,

"del8": 0.00594240486691307,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8924667003665279,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.13923860246739,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.013567807300892,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8175825727342829,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0453614924785581,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9077054622683829,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": -0.008938552959766529,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.00883814219229118,

"Confidence": "0.9981018851606058",

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"del8": 0.0187149687118323,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -2.69202997938423,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.3065643375595501,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0108478049198721,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.95567924801104,

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"Intercept": -0.9241029460982281,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_; g\_\_; s\_\_",

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"del8": -0.0548102859028189,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.581998374617389,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.9999881622280771,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.229528182200577,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.013001320735607001,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.23976787451498396,

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"Intercept": -2.56510369377889,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.971545941181991,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.015577791110668001,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.6994734657167659,

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"del8": 0.00297758042881798,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.00161287530631693,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.157308495334179,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.5365450317184001,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0357265452305411,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.469110215938019,

"Confidence": "0.9998660459238381",

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_[Weeksellaceae]; g\_\_; s\_\_",

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"del8": 0.0111100493378432,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.262527523393728,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.597217295014569,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0545026424441644,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.5736143654068441,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.036808488742503996,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.21077891710989397,

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"Intercept": -2.58945052223959,

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"del8": 0.0856769873208792,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.781336810744098,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.228864825061352,

"sex": -0.0546589942194653

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0598396042744254,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.664245451724457,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.50073670690456,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0600849369923209,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0428252565503846,

"Confidence": "0.9999999999724736",

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"del8": 0.0561294002837927,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.651580545746991,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8676685455355949,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 4.062393671818589,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0604904869953726,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.8469684469343,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.8070912624958102,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.413575804523022,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.288100725956771,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0612601021687125,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.0853214514612401,

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"Intercept": -0.8810288150862651,

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"del8": 0.0282067625231535,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.60466530576973,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.9447246429409701,

"sex": 0.542126491525011

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.190608984776351,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0633709410587882,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.4061152589678039,

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"Intercept": 2.0133411466076203,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Dialister; s\_\_",

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"del8": 0.00417205378482651,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.13522794500618301,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.17815724640229397,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.26148605997166396,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0640138367573355,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.1225033392369,

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"Intercept": -0.6801225383833841,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Lachnoanaerobaculum; s\_\_orale",

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"del8": -0.0475998417094855,

"qurro\_classification": "None",

"qurro\_spc": 67,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.9364433024761171,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8522175910983391,

"sex": 1.79621691987737

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.1724150245865301,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0670917014042471,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.273592268192841,

"Confidence": "0.9919048065955087",

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"Intercept": 0.14775963229380099,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_; g\_\_; s\_\_",

"age": -0.0536430267833683,

"del8": -0.0123890129469841,

"qurro\_classification": "None",

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.6712367599686121,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0703998783985709,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.2729607326149197,

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"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Actinomycetaceae; g\_\_Actinomyces; s\_\_",

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.263152129002425,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0765397528568839,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.169629300868439,

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"age": 0.0200747610784558,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.11987307325630499,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.01596649856231,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.6175575321396322,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0874540785709952,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.3906178819776311,

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"Intercept": -1.7404963214949598,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.0507128599200601,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.374006741694596,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0880303362766837,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0376844751477967,

"Confidence": "0.9999984091173395",

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"Intercept": 0.0527119199677513,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Lachnospiraceae; g\_\_Moryella; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0276859070423159,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.35752057378688107,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.0983824709812735,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.161954845225738,

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"Intercept": -5.43646113472738,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.578695085203937,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.16793235511442903,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.10465264119306501,

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"del8": 0.000792049468258137,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.35018155320853894,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.424919998935253,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.10586082734266301,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.552660738194061,

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"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Micrococcaceae; g\_\_Rothia; s\_\_mucilaginosa",

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"del8": 0.00762460067937683,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.726966593110272,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.208873427203686,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.11200642384687401,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.13518003102548198,

"Confidence": "0.9999697449174273",

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"del8": 0.0160670584447176,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.4038555885913879,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.7128158447231941,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.273741715602067,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.11276292599836302,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.6579561578870551,

"Confidence": "0.999999999961318",

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"Intercept": 4.07702691954813,

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"del8": -0.0311358136676757,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.8188485523509009,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.5674319531086,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.15632446975371,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.12973916329542098,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.16214302655465698,

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"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Dialister; s\_\_",

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"del8": 0.0160723334557803,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.13258504666486698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.046364988124298,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0978274609211001,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.144340393916759,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.5212867605329289,

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"Intercept": 4.53039391440592,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.37022754892081894,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.13265482216218,

"sex": -0.639579996607466

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.223756319828841,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.15166210927167903,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.04231783274404899,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.326970603621295,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.39890488357207105,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.16368579663435,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.296243156230377,

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"Intercept": 0.414123491470437,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.007254097306439,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.6371260520901371,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.171471355334911,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.273371065890716,

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"del8": 0.0244210107631476,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.5409529472950011,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.23331943779328498,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.18180131711164502,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.347847019398285,

"Confidence": "0.9083186794360105",

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"Intercept": -1.08875457840719,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Actinobacillus; s\_\_parahaemolyticus",

"age": -0.0207508960024032,

"del8": 0.0807405678934844,

"qurro\_classification": "None",

"qurro\_spc": 29,

"race": -1.83396535052067,

"sample\_collection\_time\_hongcode(T:Cort\_1200)": 0.6677091171344121,

"sample\_collection\_time\_hongcode(T:Cort\_1600)": 2.5031262019826,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.479887511885456,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.5488613012347499,

"sex": 0.0929496435902881

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.20889877622523603,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.184009907619152,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.46661552313559,

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"Intercept": -0.7467090328291851,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_ochracea",

"age": 0.00488310919771465,

"del8": 0.0200919105119498,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.925654437697223,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0816942092861823,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.2464473312576698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.18572914399305301,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.3978603231549989,

"Confidence": "0.9999981147405074",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.713772323286823,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.45686849326750606,

"sex": 1.5206012277387

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.7763009136398772,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.189717767612133,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8414140092969671,

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"del8": 0.012638759464719998,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0621600414875063,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.32657631606719,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.605698115177963,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.21003520287672,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.686784709727692,

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"Intercept": 7.0182021419449905,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.26705869407317,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.28962444608607596,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.212169883624706,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.840616787707733,

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"del8": 0.0448719604320319,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.867329385435871,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.31225649147370504,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.410217040232804,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.226066706554088,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.3688695776105697,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.9058539603588069,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.64807931213716,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.63022840673527,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.228346941844616,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0423802984117736,

"Confidence": "0.987621953060793",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 2.02461818485597,

"sex": -0.47529779388682397

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.30218862836757,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.231965659038219,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.52785214308493,

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"Intercept": 3.77804549140177,

"Taxon": "k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pasteurellales; f\_\_Pasteurellaceae; g\_\_Actinobacillus; s\_\_parahaemolyticus",

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"del8": -0.0244217658035963,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.79319050565987,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.285254800030201,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.68390572721562,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.233991501704845,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.41712173346273795,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.545518901503375,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.19610413283964898,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.32218635732732,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.23596989907423,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.763351167476105,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Porphyromonadaceae; g\_\_Paludibacter; s\_\_",

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"del8": 0.00781520143220734,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.27790111506452403,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.314747836745075,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0567587974582024,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.09450865442356801,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.249523399249706,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.467789615428375,

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"del8": 0.00156794920633149,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.6586141322490661,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6113950374636961,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.7909045284470061,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.262394187823925,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.204638277256561,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": -0.0323604879521339,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.640330018644236,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.47643163458137805,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.19243963927885802,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.829721205882218,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.29219543732801395,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0181274759412537,

"Confidence": "0.9999997152498402",

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"Intercept": 0.571574525062661,

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"del8": -0.0202929446094244,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.30031913722028497,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0490463043811831,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.0392557022061,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.8061243360718221,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.293038723842296,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0325958383440246,

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"Intercept": -1.42244307595052,

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"del8": -0.0465714676391839,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.564628445812672,

"sex": 0.9770640282414721

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.335891240290787,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.296316860095653,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.22571924802072196,

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"Intercept": -0.345737143333335,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Actinomycetaceae; g\_\_Actinomyces; s\_\_",

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"del8": -0.0359519425400107,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.697008159315875,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9189371231112791,

"sex": -0.288334116480513

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.16168308908543,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.30078100957075105,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.26829823378317,

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"Intercept": -5.13101594048299,

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"del8": 0.0724887369580061,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -0.572946967725656,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.619415786421588,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.37454661101958,

"sex": -1.02227161838786

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0155439311782386,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.301048753635082,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.539720143115448,

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"Intercept": 0.0829931060715721,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_[Paraprevotellaceae]; g\_\_[Prevotella]; s\_\_",

"age": -0.0300439655997368,

"del8": 0.005155347884395829,

"qurro\_classification": "None",

"qurro\_spc": 17,

"race": -0.21492128504520397,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.20441243394584302,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.31202610702178,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.26100862676701,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.30906152524152697,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.26978548887961,

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"Intercept": -0.0859457691267922,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Erysipelotrichi; o\_\_Erysipelotrichales; f\_\_Erysipelotrichaceae; g\_\_Bulleidia; s\_\_",

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"del8": 0.0419050200290472,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.5399730469348939,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.31506029396394,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.14258778745732,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.336942551509533,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.48614379290335,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.46914913908272105,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.709266745754688,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.9921759432037801,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.349225101844463,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.798863018786835,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.6831882263782529,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.4446607467617679,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.10416556055149799,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.35740816392103203,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.6616342914461361,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.778278615629962,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.527644312671215,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.349562161616471,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.36760318078199394,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.72073885325186,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.1511345173481,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.33677920074126,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.4037365297237971,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.08308485623605,

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"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0022819306018862,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.5289378997769051,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.130629056147721,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.40532892741361604,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.702499593532013,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.38069603189200996,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0994435909304925,

"sex": -0.22160266353861802

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.9883065884789,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.41796767510572397,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.825779522693085,

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"Intercept": -2.73924605446615,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Thermoanaerobacterales; f\_\_Caldicellulosiruptoraceae; g\_\_Caldicellulosiruptor; s\_\_saccharolyticus",

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"del8": 0.00772175252507042,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.652817699753949,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8072710868801759,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.36026477163234,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.433287976161632,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8889771354555359,

"Confidence": "0.9998430792808018",

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_Prevotellaceae; g\_\_Prevotella; s\_\_",

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"del8": 0.0226347117132933,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -1.50438589060774,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.6085639263752021,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.376304066470654,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.43843751944700204,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.42697790738351,

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"del8": -0.000376939176818615,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.0936875607135799,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.7718451854672129,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.5250555341919398,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.443417129890118,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -4.24280003186472,

"Confidence": "0.9979164580122396",

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7326716545138671,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.09649074728093,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.452616331950817,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.50644489649527,

"Confidence": "0.9999999991297699",

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"Intercept": 1.3494184772416202,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Schwartzia; s\_\_",

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"del8": 0.0148661701388152,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.0547059158040066,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.142021682417682,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0788284900698968,

"sex": 0.5609633474133779

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.483472226039562,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.30348662015206895,

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"Intercept": 2.60730250281535,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Peptostreptococcaceae; g\_\_; s\_\_",

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"del8": -0.18401121660997602,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.285470035231403,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.341314637371509,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.3956085508545402,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.49922853507200204,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.19957872751944003,

"Confidence": "0.989011751693598",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.180704328858563,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.862658417514355,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.7301745479782561,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.5022101978222461,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.7289628637193909,

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"Intercept": 0.101797656242471,

"Taxon": "k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria; o\_\_Actinomycetales; f\_\_Corynebacteriaceae; g\_\_Corynebacterium; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.4077742363575011,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.20532456665375895,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.5025715211788749,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.51755973223441,

"Confidence": "1.0",

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"Intercept": 3.83650954169474,

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"age": -0.0376286482655021,

"del8": -0.0475058889568358,

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"sex": 0.36019407198651293

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.9939727718154499,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.27522715301176803,

"sex": 0.25153447673543

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.9144651824752359,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.527894971744213,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.502309407031464,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.0112766092499201,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.536706266776714,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.21397122267477398,

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"sex": -0.266804322741194

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.84496671611867,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.5387019494930839,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.1642444479108602,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.25662758604317,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.35715516776701706,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.77324437444606,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.5402381400028801,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.01072100278146,

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"Intercept": -5.88555590706625,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 3.7395945852478496,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.5730687359730339,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.3851879191755496,

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"del8": -0.0190933135889976,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.45133688703804,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6032661775509449,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.9684261930345759,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.578501974308563,

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"del8": -0.0998848633461206,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 2.21700623973579,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.724339402011425,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.33753872568211,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6275607923428149,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.580528820788788,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.192582047275097,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -3.1899566585342,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6352113465229611,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.0287848365663799,

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"del8": 0.0821365608281882,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.25341179624824806,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.5747061607327161,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.8141114627798505,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6383632997433281,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.05553707007162,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.382160928404621,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8270670536074941,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.28523587530055,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6446204165379139,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.586128507816864,

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"Intercept": 1.1844452778740902,

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"del8": -0.058269569984874,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.263547716493704,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.1313225959178899,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.155669218846175,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.652490673438701,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.43783811208017,

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"Intercept": -0.945777579124351,

"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"del8": 0.0396173863119872,

"qurro\_classification": "None",

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"race": 0.6936555014728929,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0564233992931333,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.815955483623951,

"sex": -1.05565379574077

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.96795118505559,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.654505250827465,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.43636705998175,

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"Intercept": -0.414499922569175,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.29536798254280394,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.5503856977304,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.661087928191814,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.800300632679535,

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"del8": -0.0971625553064554,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.10752465978889801,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.9931804302249259,

"sex": -0.8815200181223579

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6687002161900141,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.652600561344696,

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"Intercept": 3.3622630397721296,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Acidaminobacteraceae]; g\_\_; s\_\_",

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"del8": -0.0150609867267816,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.960372712767414,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.7096989986385991,

"sex": -0.6427551360346511

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.680035350696239,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.4009611951947902,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_[Weeksellaceae]; g\_\_Cloacibacterium; s\_\_",

"age": 0.10246554629574099,

"del8": -0.0518280606337397,

"qurro\_classification": "None",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -5.536301639235309,

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"sex": 2.14194227740987

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.9411735469619298,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.692667422668133,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.525088633334564,

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"Intercept": 4.11453659934245,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_; s\_\_",

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.5591022903243571,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.6952705363194079,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.7382507669568791,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.597196366942218,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.835609519192188,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.698839960471783,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.198048318660187,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.7054716328541372,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.860864904082111,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.71457564629713,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -4.33656242963083,

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"Intercept": 4.527035311882121,

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"del8": 0.0695136009163649,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.793484475767902,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.660615122607739,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.7253065685192679,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.4237609756349798,

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"Intercept": -2.25400130348959,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.5034079287883729,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0387298229251214,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.10937643701634099,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.30415305021994,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.33995268090934394,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.4097514984097201,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.5367367202559971,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.7451087812344169,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0486371862531434,

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"age": 0.0344985672987488,

"del8": -0.0217462399594991,

"qurro\_classification": "None",

"qurro\_spc": 124,

"race": 0.860836814510766,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.883345780725576,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.35664293512077005,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.66898981361726,

"sex": -2.19250260307567

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.05433142835698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.7480740527073481,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.7885414016603699,

"Confidence": "0.9999995716776262",

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"del8": -0.0600387634330003,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.761786876098308,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0298018800855409,

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"age": 0.0219503665126351,

"del8": 0.0983188493556769,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.417737934434125,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.18701275558135,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.8179557258407141,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.790789304153118,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -3.2011010992170097,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.633752372420123,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.802667198554668,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.12537625905282598,

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"Intercept": -4.23926131325521,

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"del8": 0.0270806296176703,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.1437635685566,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.4424000617947271,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -2.08320903127589,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8049964884678459,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.554702247416901,

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"Intercept": -0.471290274436851,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.631235149061969,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.31696852416655,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.2828260129173703,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8260464648167231,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.49815997008078,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.2652094100353202,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.82264951496461,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.826349435226116,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 3.4823437583803396,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.3470358584758729,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.483580344370988,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8276590684811209,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.07315608385794,

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"del8": 0.0509042112536223,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.84555446900526,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.19192030552618,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8581963161388969,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.38785103436715707,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8745551089207271,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.513652886187958,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.10280945555001,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.14760375673374898,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.8984042982021899,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.21368875626318,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 0.911296544448528,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.19649639252417,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.414449479735187,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.451074446475433,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.2853985096576699,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.148266996180939,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.503450715252369,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.574422394001556,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.726262304627606,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.25605467586854,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.019330059254242,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.10343458906441,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.01469251312414,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.83724221113913,

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"Intercept": -3.56375758248128,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.0148709694306,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.113442217075897,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 2.32731816514702,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7560309532199209,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.03792959250608,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.7574892890810241,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.06983214415709,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.558982099330353,

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"del8": 0.092577014715174,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 1.4062642434788701,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -1.23773577467232,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.0877719799439,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.47452607277625,

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"del8": 0.00174021408031296,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": -1.43794959986677,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0491099621418032,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.00865992278715888,

"sex": 0.432050153472261

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.636976473979142,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.08801203765074,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.33937081221335,

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"age": 0.0149588795162228,

"del8": 0.00481496810982537,

"qurro\_classification": "None",

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"race": 0.0800051646112828,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.3813257793141379,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.164802100813678,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.02042201786378,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.48930478746495,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.250572766101288,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.780199521235612,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.1526737044016497,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.09278511350551,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.19512218035856,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.4481616270898998,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.0654852126476255,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.68601593280635,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.20009641148249,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.584025586879181,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.2205574343363401,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.2480434606234199,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -4.2734964239240405,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.335810926115802,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.27579745025297897,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.9073301618774859,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.25650200046698,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.309051121509003,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.5520450805065102,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.39086941509584,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.2649183476726102,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.66763865474455,

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"del8": 0.0411817623681815,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.668915298140338,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.09304102630278,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.881536132641647,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.2795803228775602,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.526047672069,

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"del8": 0.0245186729736121,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.11411485418052,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.8931621673617671,

"sex": -0.48868714287058795

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.712209933451798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.3054408597211,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.6984185529112101,

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"Intercept": 2.6957867900773103,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.6494306390961102,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.9503513229250179,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.66705561334691,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.34035312928358,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.06840297106497,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.0982749198314599,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.36990960858861,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.4057446772615,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.8228694302200499,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.23682463819585,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.4207033792893002,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.61644470218413,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.4275798181454298,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.15910157088034,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.22426525383332,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.4748629758516898,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.17491492155783,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.14529470082529,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.8200147497297059,

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"del8": -0.0694655527912586,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8298815128292729,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.27718922022573805,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0860842105831794,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.6307860592762602,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.3773839819074398,

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"del8": 0.0847927822179587,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.8433953163113291,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.7262372476836196,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.67286675967375,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.288568104541229,

"Confidence": "0.9999999999945146",

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"Intercept": 0.442018822853188,

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"age": -0.0646414173983547,

"del8": -0.0695963570468633,

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"race": -1.1757874978900502,

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"sex": -0.0906025619723034

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.69286405839125,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -2.8175180303693503,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.598640286632984,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -1.45417689626613,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.7032918313900602,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.388091537797162,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.0494176509890862,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -4.378388398341319,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.7051244059959998,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.59250923517935,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.6196596687515711,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.7553101459900502,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.234909568989349,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.36629417196541203,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.7847211936871104,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.45047959212057503,

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"del8": -0.0655301188670604,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.39062073353522,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.687523391402057,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia; o\_\_Bacteroidales; f\_\_[Paraprevotellaceae]; g\_\_[Prevotella]; s\_\_tannerae",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.34802248731880503,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.0659130451168708,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.3962883007883302,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.34140809745451695,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.18464800242178,

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"Intercept": -2.45860259133138,

"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.36224362596244497,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.7056647899661371,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.43942022974095096,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.87324893273512,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.5282809985040897,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.8766445497433302,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.151659046375824,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.47931519775727505,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.33414841348728896,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.89706986941496,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0179961073041688,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.13814727096894,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0515067512313392,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 1.9667922238270399,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.561745013034271,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.9717637661013898,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.15322258595221,

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"sample\_collection\_time\_hongcode(T:Cort\_1600)": 0.43886834179888,

"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.147400643980792,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.5798955795254401,

"sex": 0.8331894491322209

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.5662174289902181,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.0321362594525,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.4671167981981499,

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"Intercept": -3.7205664356306998,

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"age": 0.0148113542951134,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.06622803010145,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.1291217458605,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.48782846673698105,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.761749350735157,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.74168986732564,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.09147280253569,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.47380819443457,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.36440202935905097,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.645742499538868,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.4556958740433201,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.10833459891478,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.04356798056357,

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"Intercept": 0.738220409576516,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.6868455146190611,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.7173475387606898,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.23304658927122,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.8413426530718079,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.11389949575691499,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.2405457476536403,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.7353653562425801,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.728523704850384,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.16085162285559,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.19810882835725,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 3.52508265430531,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.3452280739704703,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.23621777173288,

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"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.306360456788251,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -1.61420305938384,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.35631680287519,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.7374813902021179,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.45532011784712,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.62593042377226,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.52636208657019,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.994242880189129,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 1.24448517589906,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.49863254822889,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.3126733106731603,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.128721025145343,

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"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.660715663143604,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.10815680677495,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.5390486697117405,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.7043021070600302,

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"Intercept": 3.14177425307475,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Schwartzia; s\_\_",

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.8433974053028142,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.56774433822295,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 1.66184628660283,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.56078231133619,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.3834462511182561,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.0505442883136782,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.6236549976382559,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.59234154023329,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.354024256503509,

"Confidence": "0.766423759656975",

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"age": -0.150392556025884,

"del8": -0.0455190691717475,

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"race": -0.7418537629962529,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.0198092395583656,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.6183427552143703,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.6690219620625095,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.609375323092865,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.78943952078423,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.6888287047306605,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.7422804812351798,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.9999898699282899,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 2.7881808260838103,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 0.0527851236223449,

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"Intercept": -2.0840341289595603,

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"del8": 0.00454091340372872,

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"qurro\_spc": 14,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.55052896860831,

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"Taxon": "k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Flavobacteriia; o\_\_Flavobacteriales; f\_\_Flavobacteriaceae; g\_\_Capnocytophaga; s\_\_ochracea",

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"qurro\_spc": 27,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 1.7249803279277802,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": 0.659445917895825,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": -0.8052084380904699,

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"qurro\_spc": 15,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.48756262186758,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": -0.23247411505012802,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.49414571494719295,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -1.07653239842661,

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"Intercept": -3.63778369026937,

"Taxon": "k\_\_Bacteria; p\_\_Fusobacteria; c\_\_Fusobacteriia; o\_\_Fusobacteriales; f\_\_Leptotrichiaceae; g\_\_Leptotrichia; s\_\_",

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"qurro\_classification": "Leptotrichia",

"qurro\_spc": 16,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.5800153945323909,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 0.0671873157700036,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 3.3120986203114104,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 1.27758332613699,

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"Intercept": -0.248632355506797,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Megasphaera; s\_\_",

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 3.57738673485914,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.637393270695282,

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"Intercept": -2.99686352806844,

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"del8": 0.0359696267552168,

"qurro\_classification": "Prevotella",

"qurro\_spc": 10,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 4.20971643723646,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": 2.36761506918661,

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"Intercept": 8.11232836646281,

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"age": -0.138100059165857,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 0.7494978640911071,

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"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 4.35329472817579,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.148903642857147,

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"Intercept": -0.713903351600547,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_Veillonellaceae; g\_\_Schwartzia; s\_\_",

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"del8": 0.039296705872515,

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"sample\_collection\_time\_hongcode(T:Cort\_1900)": 2.11201235994072,

"sample\_collection\_time\_hongcode(T:Cort\_Waking)": -0.45140465469023494,

"sex": -0.0711856336809826

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"C(bmicat\_bditotalcat, Treatment(HL))(T:HH)": 2.63403267318806,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OH)": 4.59192859925428,

"C(bmicat\_bditotalcat, Treatment(HL))(T:OL)": -0.0101361620069276,

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"Intercept": 2.27734993499957,

"Taxon": "k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia; o\_\_Clostridiales; f\_\_[Mogibacteriaceae]; g\_\_; s\_\_",

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"del8": -0.0065373027317731395,

"qurro\_classification": "None",

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