Association of microbiome vs brain in GIMA dataset

Kai Xia

08 December 2018

Correlation between Strange Situation Outcome, Mask task and IBQ-R

Table 1: Correlation matrix of Mask task and strange situation

	FacialFear	VocalDistress	BodilyFear	StartleResponse	EscapeBehavior	Strange.Average	IBQr_
FacialFear	1.00	0.99	0.90	0.78	0.57	-0.03	
VocalDistress	0.99	1.00	0.88	0.80	0.60	0.00	
BodilyFear	0.90	0.88	1.00	0.75	0.54	0.10	-
StartleResponse	0.78	0.80	0.75	1.00	0.35	0.01	
EscapeBehavior	0.57	0.60	0.54	0.35	1.00	-0.12	
Strange.Average	-0.03	0.00	0.10	0.01	-0.12	1.00	
IBQr__fear	0.05	0.13	-0.08	0.01	0.26	0.03	

Association analysis for covariates vs strange situation using linear model

Table 2: cvrt_vs_strange_yr1: Summed vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	9.2359024	4.4748034	2.063979	0.0522364
AgeAt1yrVisit	-0.0128849	0.0117823	-1.093581	0.2871357

Table 3: cvrt_vs_strange_yr1: Summed vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.5186604	3.1220714	1.7676279	0.0923779
MAGE	-0.0367736	0.0984626	-0.3734773	0.7127227

Table 4: cvrt_vs_strange_yr1: Summed vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.4615670	2.2269522	2.4524850	0.0234931
PAGE	-0.0321203	0.0639436	-0.5023229	0.6209263

Table 5: cvrt__vs_strange__yr1: Summed vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.8861607	3.6945785	1.0518550	0.3054097
MEDUY	0.0290179	0.2230127	0.1301175	0.8977733

Table 6: cvrt__vs_strange__yr1: Summed vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	8.7389635	2.0746389	4.212282	0.0004282
PEDUY	-0.2831094	0.1318848	-2.146641	0.0442686

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 7: cvrt__vs_strange__yr1: Summed vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.5555556	0.6844604	6.6556891	0.0000023
Income.code.LOW	-0.0555556	1.2339285	-0.0450233	0.9645586
Income.code.MID	-0.4444444	0.9679732	-0.4591495	0.6513363

Table 8: cvrt__vs_strange__yr1: Summed vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.1111111	0.6671651	6.1620600	0.0000051
OLDERSIBLINGS	0.4273504	0.8679065	0.4923922	0.6278039

Table 9: cvrt__vs_strange__yr1: Summed vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.3392857	1.2904365	3.3626495	0.0030967
SEX	0.0178571	0.8924195	0.0200098	0.9842338

Table 10: cvrt__vs_strange__yr1: Summed vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	6.2393617	15.9672137	0.3907608	0.7001053
GESTAGEBIRTH	-0.0068389	0.0581955	-0.1175160	0.9076233

Table 11: cvrt_vs_strange_yr1: Summed vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2492129	3.6612319	-0.068068	0.9464074
BW	0.0014019	0.0011056	1.268011	0.2193571

Table 12: cvrt_vs_strange_yr1: Summed vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.833333	0.5600099	8.630800	0.0000000
MaternalInfection	-1.033333	0.8306289	-1.244037	0.2278694

Table 13: cvrt_vs_strange_yr1: Summed vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.705882	0.4612305	10.202886	0.0000000
MPSYCH	-1.505882	0.9674852	-1.556491	0.1352745

Table 14: cvrt_vs_strange_yr1: Summed vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.5384615	0.5551149	8.1757159	0.0000001
VITAMINDNEO	-0.4273504	0.8679065	-0.4923922	0.6278039

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will b
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 15: cvrt_vs_strange_yr1: Summed vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.7692308	0.5215076	7.2275661	0.0000010
PrePregBMI.Obese	1.2307692	1.4282074	0.8617580	0.4001557
PrePregBMI.Overweight	1.8974359	0.9280296	2.0445855	0.0558040
PrePregBMI.Under	-0.7692308	1.9513028	-0.3942139	0.6980545

Table 16: cvrt_vs_strange_yr1: Summed vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.1875	0.5079548	8.2438435	0.0000001
ANTIBIOTIC_1yr	0.8125	1.0409976	0.7805013	0.4447116

Table 17: cvrt_vs_strange_yr1: Summed vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.000000	0.4937852	10.125860	0.000000
FEVER_1yr	-1.857143	0.8552611	-2.171434	0.042769

Table 18: cvrt_vs_strange_yr1: Summed vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.9000000	0.6861209	7.1415984	0.0000034
DAYCARE	-0.4714286	1.0692422	-0.4408997	0.6655739

Table 19: cvrt_vs_strange_yr1: Summed vs CURBRFEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.4000000	0.6527087	6.7411384	0.0000019
CURBRFEED_1yr	-0.0363636	0.9018467	-0.0403213	0.9682577

Table 20: cvrt_vs_strange_yr1: Summed vs FORMULA_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.1250000	0.7259557	5.6821651	0.0000177
FORMULA_1yr	0.4134615	0.9226736	0.4481125	0.6591400

Table 21: cvrt_vs_strange_yr1: Summed vs Milks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.4000	0.8833995	6.112749	0.0000071
Milks_1yr	-1.3375	1.0120613	-1.321560	0.2020079

Table 22: cvrt_vs_strange_yr1: Summed vs FrenchFries_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.800000	0.6262213	6.068142	0.0000078
FrenchFries_1yr	1.109091	0.8652491	1.281817	0.2153285

Table 23: cvrt_vs_strange_yr1: Summed vs SweetFoods-Drinks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.0000000	0.8363105	4.7829127	0.0001293
SweetFoodsDrinks_1yr	0.5333333	0.9895359	0.5389732	0.5961649

Table 24: cvrt_vs_strange_yr1: Summed vs PeanutButter_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.750000	0.7062116	5.310023	0.0000400
PeanutButter_1yr	1.019231	0.8975793	1.135533	0.2702738

Table 25: cvrt_vs_strange_yr1: Summed vs CURBRFEED_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.000	1.025711	4.8746668	0.0001219
CURBRFEED_6mo	-0.625	1.146780	-0.5450043	0.5924399

Table 26: cvrt_vs_strange_yr1: Summed vs FORMULA_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.7272727	0.6184755	7.6434272	0.0000005
FORMULA_6mo	-0.5050505	0.9219689	-0.5477956	0.5905613

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will l
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 27: cvrt_vs_strange_yr1: Summed vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.000000	1.292607	2.3208907	0.0358981
WHSTOTHER.12 months	1.000000	2.238861	0.4466556	0.6619551
WHSTOTHER.3.5 months	0.000000	2.238861	0.0000000	1.0000000
WHSTOTHER.4 months	2.250000	1.583114	1.4212495	0.1771354
WHSTOTHER.5 months	0.600000	1.529433	0.3923021	0.7007425
WHSTOTHER.5.5 months	2.000000	1.828023	1.0940784	0.2923880
WHSTOTHER.6 months	1.166667	1.492574	0.7816473	0.4474399
WHSTOTHER.7 months	6.000000	2.238861	2.6799337	0.0179479

Table 28: cvrt_vs_strange_yr1: Summed vs VITAMIND_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.7333333	0.5225767	9.0576813	0.0000000
VITAMIND_6mo	-0.9333333	1.0451534	-0.8930108	0.3836354

Table 29: cvrt_vs_strange_yr1: Summed vs Cereals_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.0000000	0.8325393	6.0057225	0.0000111

	Estimate	Std. Error	t value	Pr(>|t|)
Cereals_6mo	-0.7142857	0.9950748	-0.7178211	0.4820808

Table 30: cvrt_vs_strange_yr1: Summed vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.893204	0.6183547	7.9132633	0.0000003
NegativeLifeEvents	-0.131068	0.1407534	-0.9311883	0.3640783

Table 31: cvrt_vs_strange_yr1: Summed vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.8534505	0.6526654	5.904175	0.0000137
PositiveLifeEvents	0.1105213	0.0822608	1.343548	0.1957884

Table 32: cvrt_vs_strange_yr1: Summed vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.8957067	0.9019205	4.319346	0.000413
TotalLifeEvents	0.0682817	0.0879975	0.775951	0.447854

Table 33: cvrt_vs_strange_yr1: Summed vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.0203550	1.7196549	2.3378847	0.0318761
StateAnxiety	0.0081219	0.0558239	0.1454919	0.8860336

Table 34: cvrt_vs_strange_yr1: Summed vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	6.1082778	1.7240676	3.5429456	0.0023241
TraitAnxiety	-0.0493337	0.0510446	-0.9664824	0.3466099

Table 35: cvrt_vs_strange_yr1: Average vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.0850215	1.491052	2.069024	0.0517155
AgeAt1yrVisit	-0.0043131	0.003926	-1.098593	0.2849954

Table 36: cvrt_vs_strange_yr1: Average vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8403021	1.0405532	1.7685804	0.0922145
MAGE	-0.0122962	0.0328165	-0.3746938	0.7118318

Table 37: cvrt_vs_strange_yr1: Average vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8225641	0.7421712	2.4557193	0.0233325
PAGE	-0.0107798	0.0213103	-0.5058488	0.6184929

Table 38: cvrt_vs_strange_yr1: Average vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2946875	1.2313899	1.0514034	0.3056119
MEDUY	0.0096875	0.0743294	0.1303321	0.8976057

Table 39: cvrt_vs_strange_yr1: Average vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.9110749	0.6916126	4.209112	0.0004314
PEDUY	-0.0942754	0.0439658	-2.144289	0.0444792

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##    Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 40: cvrt_vs_strange_yr1: Average vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5177778	0.2281319	6.6530699	0.0000023
Income.code.LOW	-0.0177778	0.4112707	-0.0432265	0.9659721
Income.code.MID	-0.1477778	0.3226273	-0.4580449	0.6521155

Table 41: cvrt_vs_strange_yr1: Average vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3700000	0.2223664	6.1610014	0.0000051
OLDERSIBLINGS	0.1423077	0.2892737	0.4919483	0.6281121

Table 42: cvrt_vs_strange_yr1: Average vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4441071	0.4300963	3.3576368	0.0031327
SEX	0.0073214	0.2974391	0.0246149	0.9806061

Table 43: cvrt_vs_strange_yr1: Average vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0787074	5.3218262	0.3906004	0.7002220
GESTAGEBIRTH	-0.0022774	0.0193964	-0.1174112	0.9077053

Table 44: cvrt_vs_strange_yr1: Average vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0817039	1.2203827	-0.0669494	0.9472868
BW	0.0004668	0.0003685	1.2665380	0.2198730

Table 45: cvrt_vs_strange_yr1: Average vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6108333	0.1866317	8.631082	0.0000000
MaternalInfection	-0.3448333	0.2768195	-1.245697	0.2272719

Table 46: cvrt_vs_strange_yr1: Average vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5682353	0.1537145	10.202262	0.0000000
MPSYCH	-0.5022353	0.3224342	-1.557637	0.1350031

Table 47: cvrt_vs_strange_yr1: Average vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5123077	0.1850201	8.1737495	0.0000001
VITAMINDNEO	-0.1423077	0.2892737	-0.4919483	0.6281121

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 48: cvrt_vs_strange_yr1: Average vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2561538	0.1738484	7.2255720	0.0000010
PrePregBMI.Obese	0.4088462	0.4761033	0.8587341	0.4017785
PrePregBMI.Overweight	0.6321795	0.3093654	2.0434717	0.0559246
PrePregBMI.Under	-0.2561538	0.6504810	-0.3937914	0.6983609

Table 49: cvrt_vs_strange_yr1: Average vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.395625	0.1693011	8.2434474	0.0000001
ANTIBIOTIC_1yr	0.270375	0.3469641	0.7792593	0.4454253

Table 50: cvrt_vs_strange_yr1: Average vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6664286	0.1645484	10.127284	0.0000000
FEVER_1yr	-0.6192857	0.2850062	-2.172885	0.0426447

Table 51: cvrt_vs_strange_yr1: Average vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6330000	0.2286858	7.1408009	0.0000034
DAYCARE	-0.1572857	0.3563811	-0.4413413	0.6652613

Table 52: cvrt_vs_strange_yr1: Average vs CURBRFEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4670000	0.2175348	6.7437484	0.0000019
CURBRFEED_1yr	-0.0133636	0.3005675	-0.0444613	0.9650006

Table 53: cvrt_vs_strange_yr1: Average vs FORMULA_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3737500	0.2419203	5.6785234	0.0000179
FORMULA_1yr	0.1393269	0.3074753	0.4531321	0.6555859

Table 54: cvrt_vs_strange_yr1: Average vs Milks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.80000	0.2943928	6.114280	0.0000071
Milks_1yr	-0.44625	0.3372693	-1.323127	0.2014965

Table 55: cvrt__vs__strange__yr1: Average vs FrenchFries__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2660000	0.2086737	6.066889	0.0000078
FrenchFries__1yr	0.3703636	0.2883241	1.284539	0.2143948

Table 56: cvrt__vs__strange__yr1: Average vs SweetFoodsDrinks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3333333	0.2787382	4.7834615	0.0001292
SweetFoodsDrinks__1yr	0.1773333	0.3298075	0.5376875	0.5970351

Table 57: cvrt__vs__strange__yr1: Average vs PeanutButter__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2500000	0.2353901	5.310334	0.0000399
PeanutButter__1yr	0.3392308	0.2991756	1.133885	0.2709473

Table 58: cvrt__vs__strange__yr1: Average vs CURBRFEED__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6675	0.3418368	4.8780581	0.0001210
CURBRFEED__6mo	-0.2100	0.3821852	-0.5494718	0.5894346

Table 59: cvrt__vs__strange__yr1: Average vs FORMULA__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5745455	0.2061777	7.6368378	0.0000005
FORMULA__6mo	-0.1667677	0.3073515	-0.5425959	0.5940633

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##    Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 60: cvrt__vs__strange__yr1: Average vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0000000	0.4307938	2.3212960	0.0358705
WHSTOTHER.12 months	0.3300000	0.7461568	0.4422663	0.6650522
WHSTOTHER.3.5 months	0.0000000	0.7461568	0.0000000	1.0000000
WHSTOTHER.4 months	0.7500000	0.5276125	1.4214977	0.1770647
WHSTOTHER.5 months	0.2000000	0.5097221	0.3923706	0.7006930
WHSTOTHER.5.5 months	0.6650000	0.6092345	1.0915337	0.2934674
WHSTOTHER.6 months	0.3883333	0.4974379	0.7806670	0.4479979

	Estimate	Std. Error	t value	Pr(>|t|)
WHSTOTHER.7 months	2.0000000	0.7461568	2.6804017	0.0179314

Table 61: cvrt_vs_strange_yr1: Average vs VITAMIND_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5773333	0.1741754	9.0560028	0.0000000
VITAMIND_6mo	-0.3113333	0.3483509	-0.8937348	0.3832581

Table 62: cvrt_vs_strange_yr1: Average vs Cereals_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6650000	0.2775508	5.9989014	0.0000113
Cereals_6mo	-0.2364286	0.3317367	-0.7126995	0.4851689

Table 63: cvrt_vs_strange_yr1: Average vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6304223	0.2061159	7.9102217	0.0000003
NegativeLifeEvents	-0.0436408	0.0469173	-0.9301643	0.3645939

Table 64: cvrt_vs_strange_yr1: Average vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2845758	0.2176002	5.903377	0.0000137
PositiveLifeEvents	0.0367392	0.0274259	1.339579	0.1970515

Table 65: cvrt_vs_strange_yr1: Average vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2988663	0.3006606	4.3200413	0.0004124
TotalLifeEvents	0.0226705	0.0293345	0.7728265	0.4496549

Table 66: cvrt_vs_strange_yr1: Average vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3381981	0.5730835	2.3350842	0.0320557
StateAnxiety	0.0027539	0.0186036	0.1480325	0.8840588

Table 67: cvrt__vs_strange_yr1: Average vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0365812	0.5745967	3.5443665	0.0023168
TraitAnxiety	-0.0164749	0.0170121	-0.9684206	0.3456676

Table 68: cvrt__vs_strange_yr1: Max vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3275863	2.1337558	1.5594972	0.1345631
AgeAt1yrVisit	-0.0041119	0.0056183	-0.7318808	0.4727310

Table 69: cvrt__vs_strange_yr1: Max vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5424100	1.4695326	1.0495922	0.3064239
MAGE	0.0073328	0.0463455	0.1582207	0.8758695

Table 70: cvrt__vs_strange_yr1: Max vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6711846	1.0515433	1.5892684	0.1276836
PAGE	0.0029707	0.0301935	0.0983877	0.9226039

Table 71: cvrt__vs_strange_yr1: Max vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1015625	1.6935038	0.0599718	0.9527733
MEDUY	0.1015625	0.1022236	0.9935333	0.3323193

Table 72: cvrt__vs_strange_yr1: Max vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3003839	1.0226086	3.227416	0.0042233
PEDUY	-0.0988484	0.0650072	-1.520575	0.1440194

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 73: cvrt_vs_strange_yr1: Max vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7777778	0.3193968	5.5660481	0.0000228
Income.code.LOW	-0.2777778	0.5758007	-0.4824200	0.6350187
Income.code.MID	0.1111111	0.4516952	0.2459869	0.8083301

Table 74: cvrt_vs_strange_yr1: Max vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.777778	0.3150242	5.643305	0.0000160
OLDERSIBLINGS	-0.008547	0.4098110	-0.020856	0.9835672

Table 75: cvrt_vs_strange_yr1: Max vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8214286	0.6055652	3.0078159	0.0069525
SEX	-0.0357143	0.4187871	-0.0852803	0.9328865

Table 76: cvrt_vs_strange_yr1: Max vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.689362	7.4968105	0.2253441	0.8239982
GESTAGEBIRTH	0.000304	0.0273235	0.0111242	0.9912346

Table 77: cvrt_vs_strange_yr1: Max vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.4745083	1.7130553	-0.2769953	0.7846264
BW	0.0006830	0.0005173	1.3202565	0.2016606

Table 78: cvrt_vs_strange_yr1: Max vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0833333	0.2526251	8.246739	0.0000001
MaternalInfection	-0.6833333	0.3747036	-1.823664	0.0831840

Table 79: cvrt_vs_strange_yr1: Max vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9411765	0.2151687	9.021648	0.0000000
MPSYCH	-0.7411765	0.4513417	-1.642163	0.1161875

Table 80: cvrt_vs_strange_yr1: Max vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6923077	0.2606067	6.4937232	0.0000025
VITAMINDNEO	0.1965812	0.4074512	0.4824656	0.6347136

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 81: cvrt_vs_strange_yr1: Max vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6153846	0.2607538	6.1950566	0.0000076
PrePregBMI.Obese	0.3846154	0.7141037	0.5385988	0.5967623
PrePregBMI.Overweight	0.5512821	0.4640148	1.1880700	0.2502463
PrePregBMI.Under	-0.6153846	0.9756514	-0.6307423	0.5361361

Table 82: cvrt_vs_strange_yr1: Max vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.625	0.2333255	6.964519	0.0000012
ANTIBIOTIC_1yr	0.575	0.4781750	1.202489	0.2439464

Table 83: cvrt_vs_strange_yr1: Max vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0714286	0.2276532	9.099052	0.0000000
FEVER_1yr	-0.9285714	0.3943070	-2.354946	0.0294295

Table 84: cvrt_vs_strange_yr1: Max vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.2000000	0.2979294	7.384301	0.0000023
DAYCARE	-0.6285714	0.4642894	-1.353835	0.1958369

Table 85: cvrt_vs_strange_yr1: Max vs CURBRFEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6000000	0.3018286	5.3010226	0.0000408
CURBRFEED_1yr	0.3090909	0.4170361	0.7411611	0.4676581

Table 86: cvrt_vs_strange_yr1: Max vs FORMULA__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7500000	0.3422804	5.1127672	0.0000618
FORMULA__1yr	0.0192308	0.4350308	0.0442055	0.9652019

Table 87: cvrt_vs_strange_yr1: Max vs Milks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.200	0.4173853	5.270909	0.0000436
Milks__1yr	-0.575	0.4781750	-1.202489	0.2439464

Table 88: cvrt_vs_strange_yr1: Max vs FrenchFries__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5	0.2946898	5.090097	0.0000650
FrenchFries__1yr	0.5	0.4071725	1.227981	0.2344501

Table 89: cvrt_vs_strange_yr1: Max vs SweetFoodsDrinks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.833333	0.3947758	4.6439858	0.0001770
SweetFoodsDrinks__1yr	-0.100000	0.4671051	-0.2140846	0.8327618

Table 90: cvrt_vs_strange_yr1: Max vs PeanutButter__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6250000	0.3399623	4.779941	0.0001302
PeanutButter__1yr	0.2211538	0.4320846	0.511830	0.6146676

Table 91: cvrt_vs_strange_yr1: Max vs CURBRFEED__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0000	0.4778060	4.1857989	0.0005555
CURBRFEED__6mo	-0.1875	0.5342034	-0.3509899	0.7296705

Table 92: cvrt_vs_strange_yr1: Max vs FORMULA__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0000000	0.2842676	7.0356236	0.0000015
FORMULA__6mo	-0.3333333	0.4237612	-0.7866066	0.4417460

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
```

```
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 93: cvrt_vs_strange_yr1: Max vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0	0.6866066	1.456438	0.1673314
WHSTOTHER.12 months	1.0	1.1892375	0.840875	0.4145496
WHSTOTHER.3.5 months	0.0	1.1892375	0.000000	1.0000000
WHSTOTHER.4 months	1.0	0.8409179	1.189177	0.2541490
WHSTOTHER.5 months	0.4	0.8124038	0.492366	0.6300920
WHSTOTHER.5.5 months	1.0	0.9710083	1.029857	0.3205417
WHSTOTHER.6 months	1.0	0.7928250	1.261312	0.2278091
WHSTOTHER.7 months	2.0	1.1892375	1.681750	0.1147791

Table 94: cvrt_vs_strange_yr1: Max vs VITAMIND_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9333333	0.2444444	7.9090909	0.0000003
VITAMIND_6mo	-0.3333333	0.4888889	-0.6818182	0.5040333

Table 95: cvrt_vs_strange_yr1: Max vs Cereals_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0000000	0.3891722	5.1391128	0.0000688
Cereals_6mo	-0.2142857	0.4651498	-0.4606811	0.6505445

Table 96: cvrt_vs_strange_yr1: Max vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.1558252	0.2738603	7.871989	0.0000003
NegativeLifeEvents	-0.1019417	0.0623376	-1.635316	0.1193490

Table 97: cvrt_vs_strange_yr1: Max vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5694892	0.3044618	5.154962	0.0000665
PositiveLifeEvents	0.0479506	0.0383738	1.249565	0.2274630

Table 98: cvrt_vs_strange_yr1: Max vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7415583	0.4240441	4.1070220	0.0006618
TotalLifeEvents	0.0122533	0.0413726	0.2961693	0.7704907

	Estimate	Std. Error	t value	Pr(>|t|)

Table 99: cvrt_vs_strange_yr1: Max vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.3425248	0.8870659	2.6407561	0.0171671
StateAnxiety	-0.0184999	0.0287962	-0.6424446	0.5291542

Table 100: cvrt_vs_strange_yr1: Max vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6269862	0.7975127	3.293974	0.0040346
TraitAnxiety	-0.0238339	0.0236120	-1.009399	0.3261606

Table 101: cvrt_vs_strange_yr1: Episode3.1 vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.5785096	1.7008684	1.5159959	0.1451671
AgeAt1yrVisit	-0.0030926	0.0044785	-0.6905472	0.4977867

Table 102: cvrt_vs_strange_yr1: Episode3.1 vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.1412936	1.1587247	1.8479744	0.0794499
MAGE	-0.0233118	0.0365434	-0.6379213	0.5307616

Table 103: cvrt_vs_strange_yr1: Episode3.1 vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9548830	0.8279267	2.3611788	0.0284774
PAGE	-0.0159673	0.0237727	-0.6716675	0.5094801

Table 104: cvrt_vs_strange_yr1: Episode3.1 vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4274554	1.3808577	1.0337454	0.3135941
MEDUY	-0.0011161	0.0833516	-0.0133899	0.9894494

Table 105: cvrt__vs_strange__yr1: Episode3.1 vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.7216891	0.8061674	3.376084	0.0030024
PEDUY	-0.0849328	0.0512481	-1.657288	0.1130655

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
```

```
## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 106: cvrt__vs_strange__yr1: Episode3.1 vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3333333	0.2561777	5.2047199	0.0000504
Income.code.LOW	0.1666667	0.4618310	0.3608824	0.7221687
Income.code.MID	0.1111111	0.3622900	0.3066911	0.7624142

Table 107: cvrt__vs_strange__yr1: Episode3.1 vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3333333	0.2497862	5.3378976	0.0000318
OLDERSIBLINGS	0.1282051	0.3249437	0.3945456	0.6973540

Table 108: cvrt__vs_strange__yr1: Episode3.1 vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4821429	0.4817955	3.0762903	0.0059564
SEX	-0.0535714	0.3331925	-0.1607822	0.8738779

Table 109: cvrt__vs_strange__yr1: Episode3.1 vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.4936170	5.9273239	0.7581190	0.4572207
GESTAGEBIRTH	-0.0112462	0.0216033	-0.5205791	0.6083757

Table 110: cvrt__vs_strange__yr1: Episode3.1 vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0599669	1.3827683	-0.0433673	0.9658388
BW	0.0004465	0.0004176	1.0692286	0.2977023

Table 111: cvrt_vs_strange_yr1: Episode3.1 vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5	0.2150581	6.9748583	0.0000009
MaternalInfection	-0.2	0.3189828	-0.6269931	0.5377561

Table 112: cvrt_vs_strange_yr1: Episode3.1 vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5294118	0.1735045	8.814825	0.0000000
MPSYCH	-0.5294118	0.3639461	-1.454643	0.1612836

Table 113: cvrt_vs_strange_yr1: Episode3.1 vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5384615	0.2036808	7.5532972	0.0000003
VITAMINDNEO	-0.3162393	0.3184492	-0.9930605	0.3325440

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 114: cvrt_vs_strange_yr1: Episode3.1 vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3076923	0.2128617	6.1433894	0.0000084
PrePregBMI.Obese	0.1923077	0.5829458	0.3298895	0.7452917
PrePregBMI.Overweight	0.3589744	0.3787902	0.9476866	0.3558395
PrePregBMI.Under	-0.3076923	0.7964555	-0.3863270	0.7037831

Table 115: cvrt_vs_strange_yr1: Episode3.1 vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.375	0.1897887	7.244901	0.0000007
ANTIBIOTIC_1yr	0.225	0.3889510	0.578479	0.5697350

Table 116: cvrt_vs_strange_yr1: Episode3.1 vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5714286	0.1966421	7.991315	0.0000002
FEVER_1yr	-0.4285714	0.3405940	-1.258306	0.2235249

Table 117: cvrt_vs_strange_yr1: Episode3.1 vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6000000	0.2596701	6.1616639	0.0000182
DAYCARE	-0.1714286	0.4046667	-0.4236291	0.6778482

Table 118: cvrt_vs_strange_yr1: Episode3.1 vs CURBR-FEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4000000	0.2420012	5.7850947	0.0000142
CURBRFEED_1yr	0.0545455	0.3343727	0.1631277	0.8721405

Table 119: cvrt_vs_strange_yr1: Episode3.1 vs FORMULA_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5000000	0.2699528	5.5565277	0.0000233
FORMULA_1yr	-0.1153846	0.3431040	-0.3362964	0.7403331

Table 120: cvrt_vs_strange_yr1: Episode3.1 vs Milks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.600	0.3395043	4.712753	0.0001515
Milks_1yr	-0.225	0.3889510	-0.578479	0.5697350

Table 121: cvrt_vs_strange_yr1: Episode3.1 vs FrenchFries_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3000000	0.2387167	5.4457865	0.0000297
FrenchFries_1yr	0.2454545	0.3298345	0.7441749	0.4658754

Table 122: cvrt_vs_strange_yr1: Episode3.1 vs SweetFoods-Drinks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1666667	0.3044504	3.832042	0.0011244
SweetFoodsDrinks_1yr	0.3666667	0.3602306	1.017867	0.3215283

Table 123: cvrt_vs_strange_yr1: Episode3.1 vs PeanutButter_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1250000	0.2558773	4.396639	0.0003101
PeanutButter_1yr	0.4903846	0.3252143	1.507881	0.1480332

Table 124: cvrt__vs__strange__yr1: Episode3.1 vs CURBR-
FEED__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5000	0.3897560	3.8485619	0.0011769
CURBRFEED__6mo	-0.0625	0.4357604	-0.1434274	0.8875461

Table 125: cvrt__vs__strange__yr1: Episode3.1 vs FORMULA__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5454545	0.2327620	6.6396345	0.0000031
FORMULA__6mo	-0.2121212	0.3469811	-0.6113336	0.5486224

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will 
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 126: cvrt__vs__strange__yr1: Episode3.1 vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0000000	0.5186980	1.9279041	0.0744016
WHSTOTHER.12 months	1.0000000	0.8984113	1.1130759	0.2844228
WHSTOTHER.3.5 months	0.0000000	0.8984113	0.0000000	1.0000000
WHSTOTHER.4 months	0.5000000	0.6352727	0.7870635	0.4443652
WHSTOTHER.5 months	0.4000000	0.6137318	0.6517505	0.5251179
WHSTOTHER.5.5 months	0.5000000	0.7335498	0.6816170	0.5066011
WHSTOTHER.6 months	0.1666667	0.5989409	0.2782690	0.7848735
WHSTOTHER.7 months	2.0000000	0.8984113	2.2261519	0.0429395

Table 127: cvrt__vs__strange__yr1: Episode3.1 vs VITAMIND__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5333333	0.1975154	7.7631065	0.0000004
VITAMIND__6mo	-0.3333333	0.3950309	-0.8438159	0.4098468

Table 128: cvrt__vs__strange__yr1: Episode3.1 vs Cereals__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.3125110	5.3331452	0.0000454
Cereals__6mo	-0.3095238	0.3735221	-0.8286626	0.4181485

Table 129: cvrt__vs__strange__yr1: Episode3.1 vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5956311	0.2333831	6.8369616	0.0000021

	Estimate	Std. Error	t value	Pr(>|t|)
NegativeLifeEvents	-0.0485437	0.0531240	-0.9137809	0.3729103

Table 130: cvrt_vs_strange_yr1: Episode3.1 vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2326168	0.2486410	4.957415	0.0001018
PositiveLifeEvents	0.0371595	0.0313383	1.185755	0.2511365

Table 131: cvrt_vs_strange_yr1: Episode3.1 vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2620896	0.3419339	3.6910333	0.0016717
TotalLifeEvents	0.0212328	0.0333614	0.6364486	0.5324948

Table 132: cvrt_vs_strange_yr1: Episode3.1 vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4328687	0.6689641	2.1419216	0.0469746
StateAnxiety	-0.0021558	0.0217161	-0.0992729	0.9220828

Table 133: cvrt_vs_strange_yr1: Episode3.1 vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.1893901	0.6418979	3.410808	0.0031160
TraitAnxiety	-0.0226807	0.0190047	-1.193424	0.2481962

Table 134: cvrt_vs_strange_yr1: Episode3.2 vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.9094640	1.6268367	2.403108	0.0260777
AgeAt1yrVisit	-0.0066124	0.0042835	-1.543672	0.1383438

Table 135: cvrt_vs_strange_yr1: Episode3.2 vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4606545	1.1703959	1.2480003	0.226445
MAGE	-0.0016417	0.0369115	-0.0444761	0.964966

Table 136: cvrt_vs_strange_yr1: Episode3.2 vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9548830	0.8279267	2.3611788	0.0284774
PAGE	-0.0159673	0.0237727	-0.6716675	0.5094801

Table 137: cvrt_vs_strange_yr1: Episode3.2 vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8314732	1.3775859	1.3294802	0.1986559
MEDUY	-0.0256696	0.0831541	-0.3086998	0.7607424

Table 138: cvrt_vs_strange_yr1: Episode3.2 vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6401152	0.8128067	3.248147	0.0040277
PEDUY	-0.0796545	0.0516701	-1.541597	0.1388460

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will l
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 139: cvrt_vs_strange_yr1: Episode3.2 vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5555556	0.2510537	6.1961079	0.0000059
Income.code.LOW	-0.0555556	0.4525934	-0.1227494	0.9035947
Income.code.MID	-0.3333333	0.3550435	-0.9388521	0.3595896

Table 140: cvrt_vs_strange_yr1: Episode3.2 vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2222222	0.2447938	4.9928634	0.0000699
OLDERSIBLINGS	0.3162393	0.3184492	0.9930605	0.3325440

Table 141: cvrt_vs_strange_yr1: Episode3.2 vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.75	0.4752819	3.682026	0.0014778
SEX	-0.25	0.3286879	-0.760600	0.4557702

Table 142: cvrt__vs_strange_yr1: Episode3.2 vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0914894	5.9578989	-0.015356	0.9879003
GESTAGEBIRTH	0.0054711	0.0217147	0.251955	0.8036468

Table 143: cvrt__vs_strange_yr1: Episode3.2 vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.6129827	1.3469489	-0.4550898	0.6539463
BW	0.0006145	0.0004067	1.5108694	0.1464610

Table 144: cvrt__vs_strange_yr1: Episode3.2 vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5833333	0.2093309	7.563781	0.0000003
MaternalInfection	-0.3833333	0.3104880	-1.234616	0.2312831

Table 145: cvrt__vs_strange_yr1: Episode3.2 vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4705882	0.1801576	8.1627894	0.0000001
MPSYCH	-0.2705882	0.3779017	-0.7160281	0.4822514

Table 146: cvrt__vs_strange_yr1: Episode3.2 vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5384615	0.2036808	7.5532972	0.0000003
VITAMINDNEO	-0.3162393	0.3184492	-0.9930605	0.3325440

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will l
##    Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 147: cvrt__vs_strange_yr1: Episode3.2 vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0769231	0.1720052	6.2609903	0.0000066
PrePregBMI.Obese	0.9230769	0.4710557	1.9595918	0.0657151
PrePregBMI.Overweight	0.9230769	0.3060855	3.0157481	0.0074265
PrePregBMI.Under	-0.0769231	0.6435846	-0.1195229	0.9061850

Table 148: cvrt_vs_strange_yr1: Episode3.2 vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.25	0.1795462	6.961996	0.0000012
ANTIBIOTIC_1yr	0.55	0.3679602	1.494727	0.1514096

Table 149: cvrt_vs_strange_yr1: Episode3.2 vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5714286	0.1882704	8.346656	0.0000001
FEVER_1yr	-0.5714286	0.3260940	-1.752343	0.0958381

Table 150: cvrt_vs_strange_yr1: Episode3.2 vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4000000	0.2596701	5.3914559	0.0000749
DAYCARE	0.1714286	0.4046667	0.4236291	0.6778482

Table 151: cvrt_vs_strange_yr1: Episode3.2 vs CURBR-FEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4000000	0.2400159	5.8329457	0.0000128
CURBRFEED_1yr	-0.0363636	0.3316297	-0.1096513	0.9138358

Table 152: cvrt_vs_strange_yr1: Episode3.2 vs FORMULA_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3750000	0.2684253	5.1224685	0.0000605
FORMULA_1yr	0.0096154	0.3411626	0.0281842	0.9778092

Table 153: cvrt_vs_strange_yr1: Episode3.2 vs Milks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.80	0.3211820	5.604299	0.0000210
Milks_1yr	-0.55	0.3679602	-1.494727	0.1514096

Table 154: cvrt_vs_strange_yr1: Episode3.2 vs FrenchFries_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2000000	0.2331396	5.147131	0.0000573
FrenchFries_1yr	0.3454545	0.3221286	1.072412	0.2969681

Table 155: cvrt_vs_strange_yr1: Episode3.2 vs SweetFoods-Drinks_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.166667	0.3044504	3.8320416	0.0011244
SweetFoodsDrinks_1yr	0.300000	0.3602306	0.8327999	0.4153038

Table 156: cvrt_vs_strange_yr1: Episode3.2 vs PeanutButter_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1250000	0.2578475	4.363044	0.0003347
PeanutButter_1yr	0.4134615	0.3277184	1.261637	0.2223493

Table 157: cvrt_vs_strange_yr1: Episode3.2 vs CURBR-FEED_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5000	0.3897560	3.8485619	0.0011769
CURBRFEED_6mo	-0.0625	0.4357604	-0.1434274	0.8875461

Table 158: cvrt_vs_strange_yr1: Episode3.2 vs FORMULA_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6363636	0.2258655	7.24486	0.0000010
FORMULA_6mo	-0.4141414	0.3367003	-1.23000	0.2345314

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
```

```
## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 159: cvrt_vs_strange_yr1: Episode3.2 vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0000000	0.4774685	2.0943789	0.0549009
WHSTOTHER.12 months	0.0000000	0.8269997	0.0000000	1.0000000
WHSTOTHER.3.5 months	0.0000000	0.8269997	0.0000000	1.0000000
WHSTOTHER.4 months	0.7500000	0.5847771	1.2825399	0.2204824
WHSTOTHER.5 months	0.2000000	0.5649484	0.3540146	0.7286029
WHSTOTHER.5.5 months	1.0000000	0.6752425	1.4809495	0.1607728
WHSTOTHER.6 months	0.1666667	0.5513332	0.3022976	0.7668697
WHSTOTHER.7 months	2.0000000	0.8269997	2.4183804	0.0298003

Table 160: cvrt__vs__strange__yr1: Episode3.2 vs VITAMIND__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5333333	0.1975154	7.7631065	0.0000004
VITAMIND__6mo	-0.3333333	0.3950309	-0.8438159	0.4098468

Table 161: cvrt__vs__strange__yr1: Episode3.2 vs Cereals__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.3125110	5.3331452	0.0000454
Cereals__6mo	-0.3095238	0.3735221	-0.8286626	0.4181485

Table 162: cvrt__vs__strange__yr1: Episode3.2 vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5373786	0.2368222	6.4917012	0.0000042
NegativeLifeEvents	-0.0291262	0.0539068	-0.5403067	0.5956083

Table 163: cvrt__vs__strange__yr1: Episode3.2 vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0289792	0.2203117	4.670560	0.0001903
PositiveLifeEvents	0.0719694	0.0277677	2.591838	0.0184125

Table 164: cvrt__vs__strange__yr1: Episode3.2 vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8647460	0.3066387	2.820081	0.0113378
TotalLifeEvents	0.0661304	0.0299177	2.210407	0.0402642

Table 165: cvrt__vs__strange__yr1: Episode3.2 vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1480999	0.6668887	1.7215764	0.1032910
StateAnxiety	0.0073699	0.0216487	0.3404311	0.7377024

Table 166: cvrt__vs__strange__yr1: Episode3.2 vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9178626	0.6569485	2.9193499	0.0091544
TraitAnxiety	-0.0143516	0.0194503	-0.7378603	0.4701102

Table 167: cvrt_vs_strange_yr1: Episode3.3 vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.747929	1.9928550	1.3788905	0.1831562
AgeAt1yrVisit	-0.003180	0.0052473	-0.6060301	0.5513116

Table 168: cvrt_vs_strange_yr1: Episode3.3 vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9167123	1.3651401	1.4040407	0.1756453
MAGE	-0.0118201	0.0430532	-0.2745455	0.7864813

Table 169: cvrt_vs_strange_yr1: Episode3.3 vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5518010	0.9783065	1.5862114	0.1283762
PAGE	-0.0001857	0.0280906	-0.0066096	0.9947919

Table 170: cvrt_vs_strange_yr1: Episode3.3 vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.6272321	1.6002841	0.3919505	0.6992401
MEDUY	0.0558036	0.0965966	0.5776970	0.5699162

Table 171: cvrt_vs_strange_yr1: Episode3.3 vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3771593	0.9140492	3.694724	0.0014347
PEDUY	-0.1185221	0.0581061	-2.039752	0.0548050

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will 
##    Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 172: cvrt_vs_strange_yr1: Episode3.3 vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.2983603	5.5860880	0.0000218
Income.code.LOW	-0.1666667	0.5378766	-0.3098604	0.7600400
Income.code.MID	-0.2222222	0.4219451	-0.5266614	0.6045235

Table 173: cvrt__vs_strange_yr1: Episode3.3 vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.555556	0.2930016	5.3090339	0.0000339
OLDERSIBLINGS	-0.017094	0.3811621	-0.0448471	0.9646739

Table 174: cvrt__vs_strange_yr1: Episode3.3 vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1071429	0.5536866	1.9995839	0.0593139
SEX	0.3214286	0.3829098	0.8394368	0.4111464

Table 175: cvrt__vs_strange_yr1: Episode3.3 vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8372340	6.9727170	0.263489	0.7948693
GESTAGEBIRTH	-0.0010638	0.0254134	-0.041861	0.9670246

Table 176: cvrt__vs_strange_yr1: Episode3.3 vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.4237367	1.6420557	0.2580526	0.7990031
BW	0.0003409	0.0004959	0.6875066	0.4996595

Table 177: cvrt__vs_strange_yr1: Episode3.3 vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.75	0.2445233	7.156781	0.0000006
MaternalInfection	-0.45	0.3626867	-1.240740	0.2290596

Table 178: cvrt__vs_strange_yr1: Episode3.3 vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7058824	0.1994803	8.551633	0.0000000
MPSYCH	-0.7058824	0.4184334	-1.686965	0.1071464

Table 179: cvrt__vs_strange_yr1: Episode3.3 vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4615385	0.2420328	6.0385964	0.0000067
VITAMINDNEO	0.2051282	0.3784115	0.5420771	0.5937543

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
```

```
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 180: cvrt_vs_strange_yr1: Episode3.3 vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3846154	0.2408756	5.7482600	0.0000189
PrePregBMI.Obese	0.1153846	0.6596649	0.1749140	0.8630997
PrePregBMI.Overweight	0.6153846	0.4286412	1.4356637	0.1682488
PrePregBMI.Under	-0.3846154	0.9012738	-0.4267464	0.6746245

Table 181: cvrt_vs_strange_yr1: Episode3.3 vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5625	0.2231466	7.0021231	0.0000011
ANTIBIOTIC_1yr	0.0375	0.4573145	0.0820005	0.9355040

Table 182: cvrt_vs_strange_yr1: Episode3.3 vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8571429	0.2098539	8.849693	0.0000000
FEVER_1yr	-0.8571429	0.3634777	-2.358172	0.0292339

Table 183: cvrt_vs_strange_yr1: Episode3.3 vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9000000	0.2899918	6.551910	0.0000092
DAYCARE	-0.4714286	0.4519196	-1.043169	0.3133916

Table 184: cvrt_vs_strange_yr1: Episode3.3 vs CURBR-FEED_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6000000	0.2821652	5.6704362	0.0000182
CURBRFEED_1yr	-0.0545455	0.3898673	-0.1399077	0.8902054

Table 185: cvrt_vs_strange_yr1: Episode3.3 vs FORMULA_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2500000	0.3013969	4.147355	0.0005473
FORMULA_1yr	0.5192308	0.3830688	1.355451	0.1911692

Table 186: cvrt__vs_strange_yr1: Episode3.3 vs Milks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0000	0.3830281	5.221549	0.0000486
Milks__1yr	-0.5625	0.4388138	-1.281865	0.2153121

Table 187: cvrt__vs_strange_yr1: Episode3.3 vs FrenchFries__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3000000	0.2688804	4.834864	0.0001151
FrenchFries__1yr	0.5181818	0.3715116	1.394793	0.1791723

Table 188: cvrt__vs_strange_yr1: Episode3.3 vs SweetFoods-Drinks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.3635433	4.5845064	0.0002024
SweetFoodsDrinks__1yr	-0.1333333	0.4301503	-0.3099692	0.7599585

Table 189: cvrt__vs_strange_yr1: Episode3.3 vs PeanutButter__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5000000	0.3149449	4.762738	0.0001354
PeanutButter__1yr	0.1153846	0.4002880	0.288254	0.7762733

Table 190: cvrt__vs_strange_yr1: Episode3.3 vs CURBR-FEED__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0	0.4409586	4.535574	0.0002561
CURBRFEED__6mo	-0.5	0.4930066	-1.014185	0.3239339

Table 191: cvrt__vs_strange_yr1: Episode3.3 vs FORMULA__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5454545	0.2727273	5.6666667	0.0000225
FORMULA__6mo	0.1212121	0.4065578	0.2981424	0.7690086

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 192: cvrt__vs__strange__yr1: Episode3.3 vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0000000	0.5773503	1.7320508	0.1052281
WHSTOTHER.12 months	0.0000000	1.0000000	0.0000000	1.0000000
WHSTOTHER.3.5 months	0.0000000	1.0000000	0.0000000	1.0000000
WHSTOTHER.4 months	1.0000000	0.7071068	1.4142136	0.1791517
WHSTOTHER.5 months	0.0000000	0.6831301	0.0000000	1.0000000
WHSTOTHER.5.5 months	0.5000000	0.8164966	0.6123724	0.5501090
WHSTOTHER.6 months	0.8333333	0.6666667	1.2500000	0.2317915
WHSTOTHER.7 months	2.0000000	1.0000000	2.0000000	0.0652880

Table 193: cvrt__vs__strange__yr1: Episode3.3 vs VITAMIND_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.2320068	7.1836971	0.0000011
VITAMIND_6mo	-0.2666667	0.4640136	-0.5746958	0.5726106

Table 194: cvrt__vs__strange__yr1: Episode3.3 vs Cereals_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6666667	0.3697084	4.5080573	0.0002721
Cereals_6mo	-0.0952381	0.4418861	-0.2155264	0.8317803

Table 195: cvrt__vs__strange__yr1: Episode3.3 vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7601942	0.2719856	6.4716451	0.0000044
NegativeLifeEvents	-0.0533981	0.0619109	-0.8624983	0.3997591

Table 196: cvrt__vs__strange__yr1: Episode3.3 vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5918545	0.3001319	5.3038490	0.0000483
PositiveLifeEvents	0.0013924	0.0378281	0.0368085	0.9710429

Table 197: cvrt__vs__strange__yr1: Episode3.3 vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7688710	0.3993226	4.429679	0.0003235
TotalLifeEvents	-0.0190815	0.0389606	-0.489763	0.6302172

Table 198: cvrt_vs_strange_yr1: Episode3.3 vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4393863	0.8226687	1.749655	0.0982058
StateAnxiety	0.0029079	0.0267057	0.108885	0.9145686

Table 199: cvrt_vs_strange_yr1: Episode3.3 vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0010251	0.7690108	2.6020768	0.0180205
TraitAnxiety	-0.0123014	0.0227681	-0.5402892	0.5956201

Table 200: cvrt_vs_strange_yr1: IBQr_fear vs AgeAt1yrVisit

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.7479026	2.3206529	0.3222811	0.7509528
AgeAt1yrVisit	0.0060209	0.0061148	0.9846559	0.3378445

Table 201: cvrt_vs_strange_yr1: IBQr_fear vs MAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	6.6001118	1.5592856	4.232779	0.0005004
MAGE	-0.1123422	0.0485349	-2.314668	0.0326435

Table 202: cvrt_vs_strange_yr1: IBQr_fear vs PAGE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6592579	1.2588852	2.1123910	0.0488878
PAGE	0.0107642	0.0367145	0.2931872	0.7727324

Table 203: cvrt_vs_strange_yr1: IBQr_fear vs MEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	6.1956598	1.9798257	3.129397	0.0057942
MEDUY	-0.1900388	0.1178342	-1.612764	0.1241903

Table 204: cvrt_vs_strange_yr1: IBQr_fear vs PEDUY

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.0313266	1.1642613	4.321475	0.0004111
PEDUY	-0.1279818	0.0728803	-1.756055	0.0960798

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
```

```
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
```
```
## Warning in abline(lm1): only using the first two of 3 regression
## coefficients
```

Table 205: cvrt_vs_strange_yr1: IBQr_fear vs Income.code

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6791724	0.3627695	7.3853297	0.0000011
Income.code.LOW	0.4675766	0.6946507	0.6731104	0.5099248
Income.code.MID	0.6060076	0.4985790	1.2154696	0.2407979

Table 206: cvrt_vs_strange_yr1: IBQr_fear vs OLDERSIBLINGS

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.2315417	0.3625026	8.9145340	0.0000001
OLDERSIBLINGS	-0.3492157	0.4679888	-0.7462053	0.4651783

Table 207: cvrt_vs_strange_yr1: IBQr_fear vs SEX

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.4863466	0.6858339	3.6252899	0.0019352
SEX	0.3967894	0.4790071	0.8283581	0.4183164

Table 208: cvrt_vs_strange_yr1: IBQr_fear vs GESTAGEBIRTH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	13.543879	8.0141654	1.689992	0.1082738
GESTAGEBIRTH	-0.038387	0.0292269	-1.313414	0.2055400

Table 209: cvrt_vs_strange_yr1: IBQr_fear vs BW

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	7.6862896	1.6724998	4.595689	0.0002244
BW	-0.0014225	0.0005066	-2.807783	0.0116409

Table 210: cvrt_vs_strange_yr1: IBQr_fear vs MaternalInfection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.7410714	0.2979627	9.199377	0.0000000
MaternalInfection	0.6243132	0.4441766	1.405552	0.1768832

Table 211: cvrt_vs_strange_yr1: IBQr_fear vs MPSYCH

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.0576493	0.2595839	11.7790392	0.0000000
MPSYCH	-0.1781851	0.5804473	-0.3069789	0.7623825

Table 212: cvrt_vs_strange_yr1: IBQr_fear vs VITAMINDNEO

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.097699	0.2991987	10.3533188	0.0000000
VITAMINDNEO	-0.189217	0.4730746	-0.3999728	0.6938833

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##   Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 4 regression
## coefficients
```

Table 213: cvrt_vs_strange_yr1: IBQr_fear vs PrePregBMI

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3763163	0.2630849	12.8335612	0.0000000
PrePregBMI.Obese	-0.9120308	0.6960573	-1.3102813	0.2086000
PrePregBMI.Overweight	-1.1628547	0.4851046	-2.3971216	0.0290854
PrePregBMI.Under	0.5522547	0.9485661	0.5821994	0.5685463

Table 214: cvrt_vs_strange_yr1: IBQr_fear vs ANTIBIOTIC_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1576007	0.2606868	12.1126208	0.0000000
ANTIBIOTIC_1yr	-0.3104167	0.5681538	-0.5463603	0.5919175

Table 215: cvrt_vs_strange_yr1: IBQr_fear vs FEVER_1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.0057058	0.2799899	10.735051	0.0000000
FEVER_1yr	0.2740561	0.4982457	0.550042	0.5894451

Table 216: cvrt_vs_strange_yr1: IBQr_fear vs DAYCARE

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.9854242	0.3635763	8.2112723	0.0000010
DAYCARE	0.1650859	0.5496757	0.3003333	0.7683364

Table 217: cvrt__vs__strange__yr1: IBQr_fear vs CURBR-FEED__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.085938	0.3600749	8.5702661	0.0000001
CURBRFEED__1yr	0.010903	0.4732311	0.0230396	0.9818870

Table 218: cvrt__vs__strange__yr1: IBQr_fear vs FORMULA__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.2064731	0.3582350	8.9507526	0.0000001
FORMULA__1yr	-0.1972949	0.4708131	-0.4190513	0.6804257

Table 219: cvrt__vs__strange__yr1: IBQr_fear vs Milks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1660714	0.4549920	6.9585215	0.0000023
Milks__1yr	-0.1001865	0.5300496	-0.1890134	0.8523205

Table 220: cvrt__vs__strange__yr1: IBQr_fear vs FrenchFries__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.9667581	0.3190152	9.2997381	0.0000000
FrenchFries__1yr	0.2649269	0.4635184	0.5715564	0.5751023

Table 221: cvrt__vs__strange__yr1: IBQr_fear vs SweetFoods-Drinks__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.4591347	0.4016279	8.612785	0.0000001
SweetFoodsDrinks__1yr	-0.5362164	0.4855444	-1.104361	0.2848231

Table 222: cvrt__vs__strange__yr1: IBQr_fear vs PeanutButter__1yr

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1690541	0.3842280	8.2478489	0.0000002
PeanutButter__1yr	-0.1216069	0.4834762	-0.2515261	0.8044227

Table 223: cvrt__vs__strange__yr1: IBQr_fear vs CURBR-FEED__6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.0468750	0.5410267	5.6316539	0.0000375

	Estimate	Std. Error	t value	Pr(>|t|)
CURBRFEED_6mo	-0.0494261	0.6134666	-0.0805685	0.9367843

Table 224: cvrt_vs_strange_yr1: IBQr_fear vs FORMULA_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.8040085	0.3158592	8.877401	0.0000001
FORMULA_6mo	0.5256618	0.5065015	1.037829	0.3147807

```
## Warning in var(mx2[, cdataName], na.rm = TRUE): Calling var(x) on a factor x is deprecated and will
##    Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.

## Warning in abline(lm1): only using the first two of 8 regression
## coefficients
```

Table 225: cvrt_vs_strange_yr1: IBQr_fear vs WHSTOTHER

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1442305	0.8506049	3.6964643	0.0030555
WHSTOTHER.12 months	0.0432695	1.4732908	0.0293693	0.9770529
WHSTOTHER.3.5 months	-0.4299445	1.4732908	-0.2918259	0.7754032
WHSTOTHER.4 months	0.3573722	1.0981262	0.3254382	0.7504538
WHSTOTHER.5 months	-0.5169985	1.0417739	-0.4962674	0.6286709
WHSTOTHER.5.5 months	-0.0236950	1.2029369	-0.0196976	0.9846083
WHSTOTHER.6 months	-0.0200318	0.9821939	-0.0203950	0.9840635
WHSTOTHER.7 months	-0.8942305	1.4732908	-0.6069613	0.5551871

Table 226: cvrt_vs_strange_yr1: IBQr_fear vs VITAMIND_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.9233938	0.2974458	9.8283241	0.0000000
VITAMIND_6mo	0.3061392	0.5643637	0.5424501	0.5949841

Table 227: cvrt_vs_strange_yr1: IBQr_fear vs Cereals_6mo

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.988095	0.4417922	6.7635768	0.0000046
Cereals_6mo	0.030506	0.5410827	0.0563796	0.9557375

Table 228: cvrt_vs_strange_yr1: IBQr_fear vs NegativeLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.9592389	0.3179146	9.3082835	0.0000000
NegativeLifeEvents	0.0209245	0.0723655	0.2891494	0.7757709

Table 229: cvrt__vs_strange_yr1: IBQr_fear vs PositiveLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3238803	0.3308048	10.04786	0.0000000
PositiveLifeEvents	-0.0516014	0.0416940	-1.23762	0.2317586

Table 230: cvrt__vs_strange_yr1: IBQr_fear vs TotalLifeEvents

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.441493	0.4470729	7.697834	0.0000004
TotalLifeEvents	-0.047399	0.0436195	-1.086648	0.2915306

Table 231: cvrt__vs_strange_yr1: IBQr_fear vs StateAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.0249457	1.0343540	1.9576911	0.0679421
StateAnxiety	0.0315636	0.0330891	0.9538958	0.3543267

Table 232: cvrt__vs_strange_yr1: IBQr_fear vs TraitAnxiety

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.8224553	0.8942996	2.037858	0.0574362
TraitAnxiety	0.0370623	0.0261392	1.417882	0.1742951

pdf
2

Association analysis for diversity vs strange situation or questionaire using linear model

Table 233: strange__vs_diversity_neo: Summed vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1006052	1.1432929	2.711995	0.0116980
chao1	0.0118819	0.0112623	1.055014	0.3011244

Table 234: strange__vs_diversity_neo: Summed vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.2167359	1.1947906	2.6923009	0.0122488
observed_otus	0.0176497	0.0195208	0.9041477	0.3742188

Table 235: strange_vs_diversity_neo: Summed vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6386825	1.624124	1.008964	0.3222902
PD_whole_tree	0.5420841	0.329816	1.643595	0.1122998

Table 236: strange_vs_diversity_neo: Summed vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.338330	1.6337976	2.6553653	0.0133479
shannon	-0.032454	0.5860273	-0.0553796	0.9562594

Table 237: strange_vs_diversity_neo: Summed vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.230220	0.3327593	12.712550	0.0000000
wunifrac.PC.1	2.142761	1.1516718	1.860565	0.0741523

Table 238: strange_vs_diversity_neo: Summed vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.2544322	0.3541058	12.0145796	0.0000000
wunifrac.PC.2	0.6220415	2.5574512	0.2432271	0.8097382

Table 239: strange_vs_diversity_neo: Summed vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.2464419	0.3544653	11.9798515	0.0000000
wunifrac.PC.3	0.4889237	2.8844089	0.1695057	0.8667109

Table 240: strange_vs_diversity_neo: Summed vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.238110	0.3368882	12.580165	0.000000
wunifrac.PC.4	-5.896882	3.5704311	-1.651588	0.110647

Table 241: strange_vs_diversity_neo: Average vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0318109	0.3809315	2.708652	0.0117898
chao1	0.0039723	0.0037525	1.058585	0.2995252

Table 242: strange_vs_diversity_neo: Average vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0697069	0.3980707	2.6872286	0.0123946
observed_otus	0.0059164	0.0065038	0.9096892	0.3713428

Table 243: strange_vs_diversity_neo: Average vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.5420011	0.5409620	1.001921	0.3256159
PD_whole_tree	0.1814485	0.1098549	1.651711	0.1106217

Table 244: strange_vs_diversity_neo: Average vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4425121	0.5444437	2.6495159	0.0135302
shannon	-0.0097148	0.1952866	-0.0497465	0.9607046

Table 245: strange_vs_diversity_neo: Average vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4094804	0.1108878	12.71087	0.0000000
wunifrac.PC.1	0.7139956	0.3837799	1.86043	0.0741721

Table 246: strange_vs_diversity_neo: Average vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4175216	0.1180050	12.0123835	0.0000000
wunifrac.PC.2	0.2035326	0.8522654	0.2388137	0.8131224

Table 247: strange_vs_diversity_neo: Average vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4149079	0.1181224	11.978317	0.0000000
wunifrac.PC.3	0.1598847	0.9612038	0.166338	0.8691777

Table 248: strange_vs_diversity_neo: Average vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.412128	0.1123188	12.572504	0.0000000
wunifrac.PC.4	-1.955671	1.1903841	-1.642891	0.1124464

Table 249: strange_vs_diversity_neo: Max vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4919127	0.5407347	2.7590477	0.0104747
chao1	0.0022988	0.0053266	0.4315632	0.6696165

Table 250: strange_vs_diversity_neo: Max vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5291187	0.5627326	2.7173097	0.0115534
observed_otus	0.0031629	0.0091941	0.3440183	0.7335993

Table 251: strange_vs_diversity_neo: Max vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0326541	0.7812947	1.3217216	0.1977732
PD_whole_tree	0.1415001	0.1586600	0.8918449	0.3806559

Table 252: strange_vs_diversity_neo: Max vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.3957118	0.7470086	3.2070738	0.0035401
shannon	-0.2503692	0.2679447	-0.9344063	0.3586920

Table 253: strange_vs_diversity_neo: Max vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.704838	0.1540922	11.063749	0.000000
wunifrac.PC.1	1.023455	0.5333094	1.919064	0.066016

Table 254: strange_vs_diversity_neo: Max vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.719739	0.1634626	10.5206872	0.0000000
wunifrac.PC.2	0.765369	1.1805729	0.6483031	0.5224738

Table 255: strange_vs_diversity_neo: Max vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7170482	0.1645955	10.4319296	0.0000000
wunifrac.PC.3	-0.3796012	1.3393711	-0.2834175	0.7791014

Table 256: strange_vs_diversity_neo: Max vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.709496	0.1586206	10.777265	0.0000000
wunifrac.PC.4	-2.375300	1.6811033	-1.412941	0.1695331

Table 257: strange_vs_diversity_neo: Episode3.1 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0984962	0.4275771	2.5691180	0.0162833
chao1	0.0026738	0.0042119	0.6348032	0.5311038

Table 258: strange_vs_diversity_neo: Episode3.1 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2635759	0.4474139	2.8241769	0.0089790
observed_otus	0.0015983	0.0073100	0.2186417	0.8286363

Table 259: strange_vs_diversity_neo: Episode3.1 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0431748	0.6266112	1.6647879	0.107962
PD_whole_tree	0.0651767	0.1272479	0.5122026	0.612833

Table 260: strange_vs_diversity_neo: Episode3.1 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.1013346	0.5841746	3.597100	0.0013243
shannon	-0.2734306	0.2095377	-1.304923	0.2033511

Table 261: strange_vs_diversity_neo: Episode3.1 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3523184	0.1273288	10.620677	0.0000000
wunifrac.PC.1	0.5226264	0.4406819	1.185949	0.2463677

Table 262: strange_vs_diversity_neo: Episode3.1 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3613783	0.1298345	10.4854878	0.0000000
wunifrac.PC.2	0.5944275	0.9377013	0.6339199	0.5316711

Table 263: strange_vs_diversity_neo: Episode3.1 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.368386	0.1254829	10.904955	0.0000000
wunifrac.PC.3	-1.544908	1.0210988	-1.512986	0.1423451

Table 264: strange_vs_diversity_neo: Episode3.1 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.353937	0.1273355	10.632828	0.0000000
wunifrac.PC.4	-1.590008	1.3495358	-1.178189	0.2493928

Table 265: strange_vs_diversity_neo: Episode3.2 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8416364	0.4553481	1.848336	0.0759588
chao1	0.0060674	0.0044855	1.352674	0.1878073

Table 266: strange_vs_diversity_neo: Episode3.2 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.7933650	0.4719871	1.680904	0.1047579
observed_otus	0.0108503	0.0077115	1.407034	0.1712596

Table 267: strange_vs_diversity_neo: Episode3.2 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.3220641	0.6518373	0.4940866	0.6253936
PD_whole_tree	0.2297002	0.1323707	1.7352801	0.0945315

Table 268: strange_vs_diversity_neo: Episode3.2 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8762362	0.6498837	1.3482970	0.1891923
shannon	0.2029387	0.2331069	0.8705821	0.3919497

Table 269: strange_vs_diversity_neo: Episode3.2 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.421623	0.1364182	10.421070	0.0000000
wunifrac.PC.1	0.752686	0.4721399	1.594201	0.1229765

Table 270: strange_vs_diversity_neo: Episode3.2 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4328598	0.142110	10.0827494	0.0000000
wunifrac.PC.2	0.6018541	1.026358	0.5863976	0.5626654

Table 271: strange_vs_diversity_neo: Episode3.2 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.417880	0.1386588	10.225672	0.0000000
wunifrac.PC.3	1.469156	1.1283158	1.302079	0.2043072

Table 272: strange_vs_diversity_neo: Episode3.2 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.423725	0.135792	10.484601	0.0000000
wunifrac.PC.4	-2.403457	1.439160	-1.670041	0.1069086

Table 273: strange_vs_diversity_neo: Episode3.3 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1604726	0.4994996	2.3232702	0.0282527
chao1	0.0031407	0.0049204	0.6382899	0.5288675

Table 274: strange_vs_diversity_neo: Episode3.3 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1597950	0.5194590	2.2326978	0.034395
observed_otus	0.0052012	0.0084871	0.6128337	0.545310

Table 275: strange_vs_diversity_neo: Episode3.3 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2734436	0.6959491	0.3929075	0.6975908
PD_whole_tree	0.2472072	0.1413286	1.7491667	0.0920598

Table 276: strange_vs_diversity_neo: Episode3.3 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3607587	0.7041836	1.932392	0.0642750
shannon	0.0380379	0.2525838	0.150595	0.8814575

Table 277: strange_vs_diversity_neo: Episode3.3 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4562781	0.1446039	10.070808	0.0000000
wunifrac.PC.1	0.8674484	0.5004705	1.733266	0.0948947

Table 278: strange_vs_diversity_neo: Episode3.3 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4601941	0.152057	9.602942	0.0000000
wunifrac.PC.2	-0.5742401	1.098198	-0.522893	0.6054765

Table 279: strange_vs_diversity_neo: Episode3.3 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4601764	0.1523135	9.5866536	0.0000000
wunifrac.PC.3	0.5646751	1.2394281	0.4555933	0.6524647

Table 280: strange_vs_diversity_neo: Episode3.3 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.460448	0.1485687	9.830117	0.0000000
wunifrac.PC.4	-1.903417	1.5745705	-1.208849	0.2376001

Table 281: strange_vs_diversity_neo: IBQr_fear vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.4121439	0.6617549	3.645071	0.0012850
chao1	0.0080439	0.0065959	1.219527	0.2344941

Table 282: strange_vs_diversity_neo: IBQr_fear vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.4958780	0.6708569	3.720433	0.0010645
observed_otus	0.0118512	0.0110622	1.071331	0.2946763

Table 283: strange_vs_diversity_neo: IBQr_fear vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.2139317	0.9769559	2.266153	0.0327407
PD_whole_tree	0.2031354	0.2006790	1.012241	0.3215200

Table 284: strange_vs_diversity_neo: IBQr_fear vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7809888	0.9803568	1.816674	0.0817778
shannon	0.5060838	0.3469989	1.458459	0.1576778

Table 285: strange_vs_diversity_neo: IBQr_fear vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.176544	0.1972872	16.101116	0.0000000
wunifrac.PC.1	1.010005	0.7001006	1.442657	0.1620421

Table 286: strange_vs_diversity_neo: IBQr_fear vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.181958	0.1873574	16.983360	0.0000000
wunifrac.PC.2	-2.948572	1.3306769	-2.215844	0.0364368

Table 287: strange_vs_diversity_neo: IBQr_fear vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1853591	0.206235	15.4452863	0.0000000
wunifrac.PC.3	-0.3509605	1.686934	-0.2080464	0.8369482

Table 288: strange_vs_diversity_neo: IBQr_fear vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.176873	0.2078396	15.2852192	0.0000000
wunifrac.PC.4	0.344542	2.2475960	0.1532936	0.8794484

Table 289: strange_vs_diversity_yr1: Summed vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.4409854	1.5028089	2.289703	0.0336548
chao1	0.0035344	0.0053968	0.654902	0.5203813

Table 290: strange_vs_diversity_yr1: Summed vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1472077	1.5980624	1.969390	0.0636658
observed_otus	0.0077862	0.0096902	0.803511	0.4316176

Table 291: strange_vs_diversity_yr1: Summed vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.9778895	2.2976139	0.860845	0.4000567
PD_whole_tree	0.2385716	0.2239284	1.065392	0.3000507

Table 292: strange_vs_diversity_yr1: Summed vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6088660	2.626132	0.9934252	0.3329869
shannon	0.4109913	0.600259	0.6846899	0.5018073

Table 293: strange_vs_diversity_yr1: Summed vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.380952	0.4494273	9.7478563	0.0000000
wunifrac.PC.1	-0.348485	1.1954990	-0.2914975	0.7738294

Table 294: strange_vs_diversity_yr1: Summed vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.380952	0.4470852	9.7989203	0.0000000
wunifrac.PC.2	-1.486453	2.7821997	-0.5342727	0.5993494

Table 295: strange_vs_diversity_yr1: Summed vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.380952	0.433043	10.116669	0.0000000
wunifrac.PC.3	-4.992145	4.001458	-1.247581	0.2273427

Table 296: strange_vs_diversity_yr1: Summed vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.380952	0.4266726	10.267715	0.0000000
wunifrac.PC.4	-6.837208	4.6361919	-1.474747	0.1566589

Table 297: strange_vs_diversity_yr1: Average vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1461453	0.5008399	2.288446	0.0337414
chao1	0.0011801	0.0017986	0.656141	0.5196012

Table 298: strange_vs_diversity_yr1: Average vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0482197	0.5325811	1.9681881	0.0638136
observed_otus	0.0025988	0.0032294	0.8047112	0.4309413

Table 299: strange_vs_diversity_yr1: Average vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.6586895	0.7657325	0.8602083	0.4003988
PD_whole_tree	0.0795526	0.0746293	1.0659706	0.2997959

Table 300: strange_vs_diversity_yr1: Average vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8671894	0.8751648	0.9908870	0.3341930
shannon	0.1374876	0.2000377	0.6873085	0.5001928

Table 301: strange_vs_diversity_yr1: Average vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4600000	0.1497921	9.7468404	0.0000000
wunifrac.PC.1	-0.1151682	0.3984546	-0.2890373	0.7756829

Table 302: strange_vs_diversity_yr1: Average vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4600000	0.1490081	9.7981245	0.0000000
wunifrac.PC.2	-0.4949343	0.9272736	-0.5337522	0.5997025

Table 303: strange_vs_diversity_yr1: Average vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.460000	0.1443111	10.117030	0.0000000
wunifrac.PC.3	-1.665878	1.3334817	-1.249269	0.2267386

Table 304: strange_vs_diversity_yr1: Average vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.460000	0.1422263	10.265334	0.0000000
wunifrac.PC.4	-2.275435	1.5454198	-1.472374	0.1572922

Table 305: strange_vs_diversity_yr1: Max vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8410252	0.6775988	1.241185	0.2296438
chao1	0.0034626	0.0024333	1.422977	0.1709557

Table 306: strange_vs_diversity_yr1: Max vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.6694115	0.7161578	0.9347263	0.3616580
observed_otus	0.0068948	0.0043426	1.5877068	0.1288551

Table 307: strange_vs_diversity_yr1: Max vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0809429	1.0223992	-0.0791696	0.9377256
PD_whole_tree	0.1829545	0.0996443	1.8360749	0.0820463

Table 308: strange_vs_diversity_yr1: Max vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2400766	1.1954856	0.2008193	0.8429739
shannon	0.3529501	0.2732539	1.2916560	0.2119686

Table 309: strange_vs_diversity_yr1: Max vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7619048	0.2084188	8.4536760	0.0000001
wunifrac.PC.1	-0.4011586	0.5544043	-0.7235849	0.4781354

Table 310: strange_vs_diversity_yr1: Max vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.7619048	0.210385	8.3746679	0.0000001
wunifrac.PC.2	-0.5242536	1.309221	-0.4004319	0.6933052

Table 311: strange_vs_diversity_yr1: Max vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.761905	0.2050563	8.592296	0.0000001
wunifrac.PC.3	-2.048740	1.8947872	-1.081250	0.2931191

49

Table 312: strange_vs_diversity_yr1: Max vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.761905	0.1999791	8.810446	0.0000000
wunifrac.PC.4	-3.227596	2.1729574	-1.485347	0.1538556

Table 313: strange_vs_diversity_yr1: Episode3.1 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6067069	0.5563359	2.8880160	0.0094235
chao1	-0.0008489	0.0019979	-0.4248806	0.6756965

Table 314: strange_vs_diversity_yr1: Episode3.1 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5027054	0.5970010	2.5170903	0.0209703
observed_otus	-0.0007684	0.0036201	-0.2122585	0.8341659

Table 315: strange_vs_diversity_yr1: Episode3.1 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3308717	0.8699151	1.5298868	0.142524
PD_whole_tree	0.0049719	0.0847830	0.0586429	0.953849

Table 316: strange_vs_diversity_yr1: Episode3.1 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.6978407	0.9750109	1.7413556	0.0977893
shannon	-0.0734943	0.2228597	-0.3297785	0.7451754

Table 317: strange_vs_diversity_yr1: Episode3.1 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3809524	0.1646733	8.3860121	0.0000001
wunifrac.PC.1	0.2113569	0.4380392	0.4825069	0.6349581

Table 318: strange_vs_diversity_yr1: Episode3.1 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3809524	0.1628881	8.4779227	0.0000001
wunifrac.PC.2	-0.8214343	1.0136482	-0.8103742	0.4277592

Table 319: strange_vs_diversity_yr1: Episode3.1 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3809524	0.165376	8.3503785	0.0000001
wunifrac.PC.3	-0.4034758	1.528128	-0.2640327	0.7945973

Table 320: strange_vs_diversity_yr1: Episode3.1 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.380952	0.1613808	8.557106	0.0000001
wunifrac.PC.4	-1.775859	1.7535514	-1.012721	0.3239171

Table 321: strange_vs_diversity_yr1: Episode3.2 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0681389	0.5571250	1.9172339	0.0703696
chao1	0.0013553	0.0020007	0.6773901	0.5063237

Table 322: strange_vs_diversity_yr1: Episode3.2 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.9615907	0.5924827	1.6229851	0.1210681
observed_otus	0.0029471	0.0035927	0.8203205	0.4222062

Table 323: strange_vs_diversity_yr1: Episode3.2 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2326556	0.8318326	0.2796904	0.7827371
PD_whole_tree	0.1187283	0.0810715	1.4644891	0.1594112

Table 324: strange_vs_diversity_yr1: Episode3.2 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.9161359	0.9790230	0.9357654	0.3611363
shannon	0.1188466	0.2237768	0.5310946	0.6015072

Table 325: strange_vs_diversity_yr1: Episode3.2 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4285714	0.1670528	8.5516142	0.0000001
wunifrac.PC.1	0.0522533	0.4443689	0.1175899	0.9076268

Table 326: strange_vs_diversity_yr1: Episode3.2 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4285714	0.1657589	8.6183705	0.0000001
wunifrac.PC.2	-0.5760246	1.0315132	-0.5584268	0.5830747

Table 327: strange_vs_diversity_yr1: Episode3.2 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.428571	0.158308	9.024000	0.0000000
wunifrac.PC.3	-2.156091	1.462817	-1.473931	0.1568764

Table 328: strange_vs_diversity_yr1: Episode3.2 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.428571	0.1530216	9.335749	0.0000000
wunifrac.PC.4	-3.181240	1.6627214	-1.913273	0.0709033

Table 329: strange_vs_diversity_yr1: Episode3.3 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.7661396	0.6281546	1.219667	0.2375154
chao1	0.0030280	0.0022558	1.342310	0.1953158

Table 330: strange_vs_diversity_yr1: Episode3.3 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.6829116	0.6700264	1.019231	0.3208969
observed_otus	0.0056075	0.0040629	1.380175	0.1835575

Table 331: strange_vs_diversity_yr1: Episode3.3 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.4143622	0.9865936	0.4199928	0.6792020
PD_whole_tree	0.1148714	0.0961547	1.1946522	0.2469236

Table 332: strange_vs_diversity_yr1: Episode3.3 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0051106	1.089593	-0.0046904	0.9963065
shannon	0.3656390	0.249050	1.4681348	0.1584285

Table 333: strange_vs_diversity_yr1: Episode3.3 vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5714286	0.1875239	8.379882	0.0000001
wunifrac.PC.1	-0.6120952	0.4988231	-1.227079	0.2347812

Table 334: strange_vs_diversity_yr1: Episode3.3 vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5714286	0.1947852	8.0674963	0.0000001
wunifrac.PC.2	-0.0889945	1.2121430	-0.0734191	0.9422400

Table 335: strange_vs_diversity_yr1: Episode3.3 vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.571429	0.1852146	8.484368	0.0000001
wunifrac.PC.3	-2.432578	1.7114428	-1.421361	0.1714183

Table 336: strange_vs_diversity_yr1: Episode3.3 vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.571429	0.1907257	8.2392062	0.0000001
wunifrac.PC.4	-1.880109	2.0724114	-0.9072086	0.3756593

Table 337: strange_vs_diversity_yr1: IBQr_fear vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.6209392	0.7878340	4.5960687	0.0002572
chao1	-0.0022679	0.0027996	-0.8100985	0.4290783

Table 338: strange_vs_diversity_yr1: IBQr_fear vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.6413956	0.8340703	4.3658136	0.0004210
observed_otus	-0.0039664	0.0050421	-0.7866643	0.4423074

Table 339: strange_vs_diversity_yr1: IBQr_fear vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1767541	1.2276302	2.5877125	0.0191606
PD_whole_tree	-0.0162664	0.1197049	-0.1358876	0.8935063

Table 340: strange_vs_diversity_yr1: IBQr_fear vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.6701772	1.3794495	1.9356832	0.0697175
shannon	0.0798179	0.3157816	0.2527631	0.8034823

Table 341: strange_vs_diversity_yr1: IBQr_fear vs wunifrac.PC.1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.0110345	0.2438236	12.349233	0.0000000
wunifrac.PC.1	0.3203373	0.6392006	0.501153	0.6226905

Table 342: strange_vs_diversity_yr1: IBQr_fear vs wunifrac.PC.2

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.026678	0.2426371	12.4740931	0.0000000
wunifrac.PC.2	-1.087590	1.5122881	-0.7191685	0.4818069

Table 343: strange_vs_diversity_yr1: IBQr_fear vs wunifrac.PC.3

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.000770	0.2414422	12.4285267	0.0000000
wunifrac.PC.3	-1.756275	2.1630597	-0.8119399	0.4280495

Table 344: strange_vs_diversity_yr1: IBQr_fear vs wunifrac.PC.4

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.054348	0.2290736	13.333479	0.0000000
wunifrac.PC.4	4.150530	2.4952048	1.663402	0.1145559

Association analysis for diversity vs strange situation or questionaire using linear mixed effect model

Table 345: diversity_vs_strange_combine_neo : strange_response VS chao1

	Estimate	Std..Error	t.value	p.z
Intercept	0.9740112	0.3890177	2.5037710	0.0122878
chao1	0.0039606	0.0037541	1.0550143	0.2914188
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 346: diversity_vs_strange_combine_neo : strange_response VS observed_otus

	Estimate	Std..Error	t.value	p.z
Intercept	1.0127215	0.4058487	2.4953176	0.0125844
observed_otus	0.0058832	0.0065069	0.9041477	0.3659171
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 347: diversity_vs_strange_combine_neo : strange_response VS PD_whole_tree

	Estimate	Std..Error	t.value	p.z
Intercept	0.4867037	0.5469789	0.8898034	0.3735715
PD_whole_tree	0.1806947	0.1099387	1.6435955	0.1002598
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 348: diversity_vs_strange_combine_neo : strange_response VS shannon

	Estimate	Std..Error	t.value	p.z
Intercept	1.3865860	0.5501706	2.5202839	0.0117260
shannon	-0.0108180	0.1953424	-0.0553796	0.9558360
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 349: diversity_vs_strange_combine_neo : strange_response VS wunifrac.PC.1

	Estimate	Std..Error	t.value	p.z
Intercept	1.3505494	0.1356560	9.9556922	0.0000000
wunifrac.PC.1	0.7142536	0.3838906	1.8605654	0.0628056
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 350: diversity_vs_strange_combine_neo : strange_response VS wunifrac.PC.2

	Estimate	Std..Error	t.value	p.z
Intercept	1.3586203	0.1415333	9.5992971	0.0000000
wunifrac.PC.2	0.2073472	0.8524837	0.2432271	0.8078295
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 351: diversity_vs_strange_combine_neo : strange_response VS wunifrac.PC.3

	Estimate	Std..Error	t.value	p.z
Intercept	1.3559568	0.1416333	9.5737170	0.0000000
wunifrac.PC.3	0.1629746	0.9614696	0.1695057	0.8653989
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 352: diversity_vs_strange_combine_neo : strange_response VS wunifrac.PC.4

	Estimate	Std..Error	t.value	p.z
Intercept	1.3531794	0.1367836	9.8928454	0.0000000
wunifrac.PC.4	-1.9656273	1.1901437	-1.6515881	0.0986185
episodes.2	0.0714286	0.1352703	0.5280432	0.5974694
episodes.3	0.1071429	0.1352703	0.7920648	0.4283229

Table 353: diversity_vs_strange_combine_yr1 : strange_response VS chao1

	Estimate	Std..Error	t.value	p.z
Intercept	1.0676301	0.5089944	2.097528	0.0359468
chao1	0.0011781	0.0017989	0.654902	0.5125309
episodes.2	0.0476190	0.1562505	0.304761	0.7605482
episodes.3	0.1904762	0.1562505	1.219044	0.2228275

Table 354: diversity_vs_strange_combine_yr1 : strange_response VS observed_otus

	Estimate	Std..Error	t.value	p.z
Intercept	0.9697042	0.5402721	1.794844	0.0726786
observed_otus	0.0025954	0.0032301	0.803511	0.4216795
episodes.2	0.0476190	0.1562505	0.304761	0.7605482
episodes.3	0.1904762	0.1562505	1.219044	0.2228275

Table 355: diversity_vs_strange_combine_yr1 : strange_response VS PD_whole_tree

	Estimate	Std..Error	t.value	p.z
Intercept	0.5799314	0.7711660	0.7520189	0.4520397
PD_whole_tree	0.0795239	0.0746428	1.0653923	0.2866984
episodes.2	0.0476190	0.1562505	0.3047610	0.7605482
episodes.3	0.1904762	0.1562505	1.2190439	0.2228275

Table 356: diversity_vs_strange_combine_yr1 : strange_response VS shannon

	Estimate	Std..Error	t.value	p.z
Intercept	0.7902569	0.8800134	0.8980055	0.3691826
shannon	0.1369971	0.2000863	0.6846899	0.4935396
episodes.2	0.0476190	0.1562505	0.3047610	0.7605482
episodes.3	0.1904762	0.1562505	1.2190439	0.2228275

Table 357: diversity_vs_strange_combine_yr1 : strange_response VS wunifrac.PC.1

	Estimate	Std..Error	t.value	p.z
Intercept	1.3809524	0.1748738	7.8968529	0.0000000
wunifrac.PC.1	-0.1161617	0.3984997	-0.2914975	0.7706708
episodes.2	0.0476190	0.1562505	0.3047610	0.7605482
episodes.3	0.1904762	0.1562505	1.2190439	0.2228275

Table 358: diversity_vs_strange_combine_yr1 : strange_response VS wunifrac.PC.2

	Estimate	Std..Error	t.value	p.z
Intercept	1.3809524	0.1742054	7.9271484	0.0000000
wunifrac.PC.2	-0.4954845	0.9273999	-0.5342727	0.5931529
episodes.2	0.0476190	0.1562505	0.3047610	0.7605482
episodes.3	0.1904762	0.1562505	1.2190439	0.2228275

Table 359: diversity_vs_strange_combine_yr1 : strange_response VS wunifrac.PC.3

	Estimate	Std..Error	t.value	p.z
Intercept	1.3809524	0.1702184	8.112825	0.0000000
wunifrac.PC.3	-1.6640483	1.3338193	-1.247581	0.2121843
episodes.2	0.0476190	0.1562505	0.304761	0.7605482
episodes.3	0.1904762	0.1562505	1.219044	0.2228275

Table 360: diversity_vs_strange_combine_yr1 : strange_response VS wunifrac.PC.4

	Estimate	Std..Error	t.value	p.z
Intercept	1.3809524	0.1684215	8.199385	0.0000000
wunifrac.PC.4	-2.2790695	1.5453973	-1.474747	0.1402807
episodes.2	0.0476190	0.1562505	0.304761	0.7605482
episodes.3	0.1904762	0.1562505	1.219044	0.2228275

Association analysis for diversity vs picrust using linear model

Table 361: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0901561	0.094843	0.9505825	0.3494123
L1.Cellular.Processes	0.0000000	0.000000	-1.1325914	0.2663572

Table 362: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0203419	0.0826885	-0.2460062	0.8073528
L1.Environmental.Information.Processing	0.0000000	0.0000000	0.3186882	0.7521712

Table 363: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0262134	0.1132042	-0.2315585	0.8184531
L1.Genetic.Information.Processing	0.0000000	0.0000000	0.2614937	0.7954988

Table 364: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0126517	0.0915158	0.1382461	0.8909697
L1.Human.Diseases	0.0000000	0.0000001	-0.1689854	0.8669423

Table 365: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0379132	0.1002996	0.3779993	0.7080926
L1.Metabolism	0.0000000	0.0000000	-0.4435699	0.6605363

Table 366: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0703601	0.0845174	0.8324925	0.4117094
L1.None	-0.0000006	0.0000006	-1.0524458	0.3009987

Table 367: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1475334	0.1079931	1.366137	0.1820502
L1.Organismal.Systems	-0.0000003	0.0000002	-1.547005	0.1323475

Table 368: diversity_vs_picrust_L1_neo: wunifrac.PC.1 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0418146	0.0905487	0.4617912	0.6475624
L1.Unclassified	0.0000000	0.0000000	-0.5661017	0.5755353

Table 369: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0042071	0.04564	-0.0921793	0.9271684
L1.Cellular.Processes	0.0000000	0.00000	0.1098290	0.9132764

Table 370: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0172179	0.0388274	0.4434469	0.6606242
L1.Environmental.Information.Processing	0.0000000	0.0000000	-0.5744624	0.5699379

Table 371: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0108101	0.053372	-0.2025434	0.8408593
L1.Genetic.Information.Processing	0.0000000	0.000000	0.2287276	0.8206327

Table 372: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0253923	0.042782	0.5935274	0.5572772
L1.Human.Diseases	0.0000000	0.000000	-0.7254994	0.4737676

Table 373: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0188459	0.0472579	0.3987892	0.6928730
L1.Metabolism	0.0000000	0.0000000	-0.4679663	0.6431907

Table 374: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0108463	0.0404879	-0.2678908	0.7906167
L1.None	0.0000001	0.0000003	0.3386704	0.7372171

Table 375: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0452437	0.0520593	0.8690810	0.3917030
L1.Organismal.Systems	-0.0000001	0.0000001	-0.9841423	0.3329166

Table 376: diversity_vs_picrust_L1_neo: wunifrac.PC.2 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0199522	0.0426737	0.467553	0.6434829
L1.Unclassified	0.0000000	0.0000000	-0.573165	0.5708047

Table 377: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039857	0.0410498	-0.0970951	0.9232966
L1.Cellular.Processes	0.0000000	0.0000000	0.1156860	0.9086723

Table 378: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0325666	0.0342595	-0.9505859	0.3494106
L1.Environmental.Information.Processing	0.0000000	0.0000000	1.2314346	0.2277268

Table 379: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0738223	0.0455726	-1.619885	0.1157230
L1.Genetic.Information.Processing	0.0000000	0.0000000	1.829299	0.0773106

Table 380: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0519411	0.037045	-1.402110	0.1711453
L1.Human.Diseases	0.0000001	0.000000	1.713872	0.0968685

Table 381: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0641429	0.0403868	-1.588215	0.1227229
L1.Metabolism	0.0000000	0.0000000	1.863718	0.0721755

Table 382: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0348246	0.0355899	-0.9784973	0.3356537
L1.None	0.0000003	0.0000002	1.2370266	0.2256733

Table 383: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0698512	0.0453295	-1.540966	0.1338082
L1.Organismal.Systems	0.0000001	0.0000001	1.744981	0.0912257

Table 384: diversity_vs_picrust_L1_neo: wunifrac.PC.3 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0510469	0.0368623	-1.384800	0.1763268
L1.Unclassified	0.0000000	0.0000000	1.697602	0.0999348

Table 385: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0888659	0.0278918	-3.186092	0.0033567
L1.Cellular.Processes	0.0000000	0.0000000	3.796136	0.0006665

Table 386: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0557788	0.0258513	-2.157682	0.0390844
L1.Environmental.Information.Processing	0.0000000	0.0000000	2.795164	0.0089584

Table 387: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0860785	0.0355254	-2.423011	0.0216380
L1.Genetic.Information.Processing	0.0000000	0.0000000	2.736251	0.0103388

Table 388: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0643942	0.0286836	-2.244982	0.0322952
L1.Human.Diseases	0.0000001	0.0000000	2.744159	0.0101426

Table 389: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0717572	0.0317319	-2.261360	0.0311466
L1.Metabolism	0.0000000	0.0000000	2.653633	0.0126117

Table 390: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0805689	0.0237402	-3.393778	0.0019553
L1.None	0.0000007	0.0000002	4.290449	0.0001709

Table 391: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0769718	0.0359569	-2.140666	0.0405472
L1.Organismal.Systems	0.0000002	0.0000001	2.424078	0.0215852

Table 392: diversity_vs_picrust_L1_neo: wunifrac.PC.4 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.069369	0.0278636	-2.489592	0.0185589
L1.Unclassified	0.000000	0.0000000	3.051947	0.0047277

Table 393: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0360095	0.1011933	0.3558482	0.7244444
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	-0.4162585	0.6801839

Table 394: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1332071	0.0996888	1.336229	0.1915220
L2.Biosynthesis.of.Other.Secondary.Metabolites	-0.0000002	0.0000001	-1.551510	0.1312662

Table 395: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0643039	0.0793207	0.8106824	0.4239329
L2.Cancers	-0.0000009	0.0000008	-1.0686235	0.2937630

Table 396: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0416048	0.0941191	0.4420442	0.6616276
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	-0.5321776	0.5985226

Table 397: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0402472	0.0562398	-0.7156369	0.479749
L2.Cardiovascular.Diseases	0.0025554	0.0015738	1.6237068	0.114901

Table 398: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 399: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0741929	0.1295242	-0.5728106	0.5710416
L2.Cell.Growth.and.Death	0.0000002	0.0000003	0.6261540	0.5359494

Table 400: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0615633	0.0794528	0.7748412	0.4444981
L2.Cell.Motility	-0.0000001	0.0000001	-1.0213226	0.3152675

Table 401: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0534529	0.0841978	0.6348493	0.5303391
L2.Cellular.Processes.and.Signaling	0.0000000	0.0000000	-0.8080525	0.4254218

Table 402: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0145206	0.0561939	0.2584013	0.7978619
L2.Circulatory.System	-0.0000235	0.0000335	-0.7003368	0.4891132

Table 403: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1485178	0.0846207	1.755101	0.0894508
L2.Digestive.System	-0.0000037	0.0000017	-2.152841	0.0394957

Table 404: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1380731	0.1106215	1.248158	0.2216273
L2.Endocrine.System	-0.0000007	0.0000005	-1.406555	0.1698343

Table 405: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0430086	0.1038379	0.4141894	0.6816819
L2.Energy.Metabolism	0.0000000	0.0000000	-0.4799223	0.6347634

Table 406: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0326856	0.1029631	0.3174499	0.7531012
L2.Environmental.Adaptation	-0.0000003	0.0000008	-0.3691120	0.7146367

Table 407: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0032185	0.103691	0.0310395	0.9754436
L2.Enzyme.Families	0.0000000	0.000000	-0.0360304	0.9714968

Table 408: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0392179	0.0671413	0.5841098	0.5635132
L2.Excretory.System	-0.0000016	0.0000017	-0.9213646	0.3642106

Table 409: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0223019	0.1066706	0.2090728	0.8358046
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000000	-0.2403275	0.8117111

Table 410: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0129818	0.1022467	-0.1269658	0.8998146
L2.Genetic.Information.Processing	0.0000000	0.0000000	0.1480962	0.8832578

Table 411: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0978881	0.0995717	0.9830915	0.3334249
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000000	-1.1489316	0.2596624

Table 412: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1833905	0.0816957	2.244800	0.0323083
L2.Immune.System	-0.0000036	0.0000013	-2.746441	0.0100866

Table 413: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0744796	0.1166921	-0.6382574	0.5281487
L2.Immune.System.Diseases	0.0000013	0.0000019	0.7136843	0.4809383

Table 414: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.001552	0.0865003	0.0179418	0.9858040
L2.Infectious.Diseases	0.000000	0.0000002	-0.0226141	0.9821078

Table 415: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0369752	0.096641	0.3826035	0.7047112
L2.Lipid.Metabolism	0.0000000	0.000000	-0.4556142	0.6519482

Table 416: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0259429	0.0821887	-0.3156502	0.7544535
L2.Membrane.Transport	0.0000000	0.0000000	0.4102962	0.6845042

Table 417: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0035976	0.1191946	-0.0301827	0.9761213
L2.Metabolic.Diseases	0.0000000	0.0000012	0.0336432	0.9733846

Table 418: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0524553	0.085208	0.6156142	0.5427918
L2.Metabolism	0.0000000	0.000000	-0.7782640	0.4425087

Table 419: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0504912	0.1006233	0.5017842	0.6194822
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	-0.5875787	0.5612121

Table 420: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0321334	0.0935036	0.3436595	0.7334994
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000001	-0.4153146	0.6808671

Table 421: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0504552	0.1028296	0.4906681	0.6272312
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000000	0.0000001	-0.5701542	0.5728188

Table 422: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1463732	0.1089444	1.343559	0.1891662
L2.Nervous.System	-0.0000020	0.0000013	-1.518289	0.1394107

Table 423: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0234016	0.0824321	0.2838889	0.7784457
L2.Neurodegenerative.Diseases	-0.0000002	0.0000006	-0.3683997	0.7151622

Table 424: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0488928	0.1169334	-0.4181247	0.6788338
L2.Nucleotide.Metabolism	0.0000000	0.0000000	0.4678564	0.6432684

Table 425: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0401222	0.093558	0.4288488	0.6710971
L2.Poorly.Characterized	0.0000000	0.000000	-0.5177520	0.6084286

Table 426: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0399588	0.1196811	-0.3338775	0.7407947
L2.Replication.and.Repair	0.0000000	0.0000000	0.3715887	0.7128108

Table 427: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 428: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.027813	0.0800864	0.3472873	0.7308001
L2.Signal.Transduction	0.000000	0.0000000	-0.4596870	0.6490549

Table 429: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0967495	0.1279024	-0.7564326	0.4552894
L2.Signaling.Molecules.and.Interaction	0.0000005	0.0000005	0.8281445	0.4141286

Table 430: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288546	0.0883837	0.3264697	0.7463358
L2.Transcription	0.0000000	0.0000000	-0.4058657	0.6877217

Table 431: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.094754	0.118402	-0.8002735	0.4298444
L2.Translation	0.000000	0.000000	0.8906618	0.3801982

Table 432: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2450872	0.0893373	2.743393	0.0101614
L2.Transport.and.Catabolism	-0.0000010	0.0000003	-3.187995	0.0033403

Table 433: diversity_vs_picrust_L2_neo: wunifrac.PC.1 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0076941	0.083138	0.0925460	0.9268795
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.000000	-0.1195684	0.9056222

Table 434: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0135189	0.0477469	0.2831374	0.7790162
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	-0.3312039	0.7427929

Table 435: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0412122	0.0480483	0.8577239	0.3978457
L2.Biosynthesis.of.Other.Secondary.Metabolites	-0.0000001	0.0000001	-0.9959123	0.3272583

Table 436: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011874	0.0380909	-0.0311724	0.9753385
L2.Cancers	0.0000000	0.0000004	0.0410908	0.9674958

Table 437: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0271395	0.0441701	0.6144316	0.5435623
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	-0.7397151	0.4652224

Table 438: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0012409	0.0276436	0.0448902	0.9644923
L2.Cardiovascular.Diseases	-0.0000788	0.0007736	-0.1018513	0.9195524

Table 439: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 440: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0496673	0.0606429	-0.8190126	0.4192381
L2.Cell.Growth.and.Death	0.0000001	0.0000001	0.8952838	0.3777628

Table 441: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0069712	0.0380579	-0.1831734	0.8558943
L2.Cell.Motility	0.0000000	0.0000000	0.2414419	0.8108553

Table 442: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0245704	0.039707	0.6187935	0.5407230
L2.Cellular.Processes.and.Signaling	0.0000000	0.000000	-0.7876163	0.4371002

Table 443: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119404	0.0260402	0.4585352	0.6498726
L2.Circulatory.System	-0.0000193	0.0000155	-1.2427536	0.2235848

Table 444: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0646829	0.0403331	1.603717	0.1192542
L2.Digestive.System	-0.0000016	0.0000008	-1.967150	0.0584739

71

Table 445: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0824993	0.0510862	1.614902	0.1168020
L2.Endocrine.System	-0.0000004	0.0000002	-1.819841	0.0787752

Table 446: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0164751	0.0490068	0.3361799	0.7390753
L2.Energy.Metabolism	0.0000000	0.0000000	-0.3895325	0.6996339

Table 447: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0191240	0.0484711	-0.3945437	0.6959707
L2.Environmental.Adaptation	0.0000002	0.0000004	0.4587520	0.6497187

Table 448: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0120406	0.0488082	0.2466918	0.8068271
L2.Enzyme.Families	0.0000000	0.0000000	-0.2863575	0.7765726

Table 449: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147947	0.0318070	0.4651415	0.6451889
L2.Excretory.System	-0.0000006	0.0000008	-0.7337061	0.4688234

Table 450: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0149072	0.0502292	0.2967835	0.7686770
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000000	-0.3411502	0.7353684

Table 451: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0061538	0.0481928	0.1276903	0.8992462
L2.Genetic.Information.Processing	0.0000000	0.0000000	-0.1489413	0.8825967

Table 452: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0241625	0.0476757	0.5068106	0.6159928
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000000	-0.5923057	0.5580841

Table 453: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0037302	0.0430682	-0.0866110	0.9315562
L2.Immune.System	0.0000001	0.0000007	0.1059658	0.9163149

Table 454: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0024552	0.0554644	0.0442662	0.9649856
L2.Immune.System.Diseases	0.0000000	0.0000009	-0.0494974	0.9608510

Table 455: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0297173	0.0401939	0.7393474	0.4654423
L2.Infectious.Diseases	-0.0000001	0.0000001	-0.9318821	0.3588369

Table 456: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0272388	0.0453229	0.6009934	0.5523586
L2.Lipid.Metabolism	0.0000000	0.0000000	-0.7156785	0.4797236

Table 457: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0154536	0.0386739	0.3995877	0.6922909
L2.Membrane.Transport	0.0000000	0.0000000	-0.5194019	0.6072917

Table 458: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0096010	0.0561484	-0.1709928	0.8653775
L2.Metabolic.Diseases	0.0000001	0.0000006	0.1905972	0.8501252

Table 459: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0240351	0.0401843	0.598121	0.5542482
L2.Metabolism	0.0000000	0.0000000	-0.756149	0.4554569

Table 460: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0025835	0.0476968	0.0541645	0.9571632
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	-0.0634254	0.9498485

Table 461: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0236925	0.0438883	0.5398351	0.5932957
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000000	-0.6523940	0.5191150

Table 462: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0167807	0.0485995	0.3452854	0.7322892
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000000	0.0000000	-0.4012201	0.6911017

Table 463: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0384094	0.0526937	0.7289175	0.4717047
L2.Nervous.System	-0.0000005	0.0000006	-0.8237135	0.4166030

Table 464: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0309238	0.0382460	0.8085503	0.4251397
L2.Neurodegenerative.Diseases	-0.0000003	0.0000003	-1.0492473	0.3024439

Table 465: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.019237	0.0551764	-0.3486447	0.7297911
L2.Nucleotide.Metabolism	0.000000	0.0000000	0.3901124	0.6992096

Table 466: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0158231	0.0441568	0.3583400	0.7225982
L2.Poorly.Characterized	0.0000000	0.0000000	-0.4326263	0.6683806

Table 467: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0231257	0.0563447	-0.4104324	0.6844054
L2.Replication.and.Repair	0.0000000	0.0000000	0.4567903	0.6511121

Table 468: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 469: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0290174	0.037226	0.7794936	0.4417953
L2.Signal.Transduction	0.0000000	0.000000	-1.0317771	0.3104232

Table 470: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024647	0.0609688	-0.0404249	0.9680223
L2.Signaling.Molecules.and.Interaction	0.0000000	0.0000003	0.0442572	0.9649926

Table 471: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0182406	0.0415674	0.4388188	0.6639371
L2.Transcription	0.0000000	0.0000000	-0.5455377	0.5894174

Table 472: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0400017	0.0559535	-0.7149095	0.4801918
L2.Translation	0.0000000	0.0000000	0.7956562	0.4324827

Table 473: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0782981	0.0458022	1.709484	0.0976876
L2.Transport.and.Catabolism	-0.0000003	0.0000002	-1.986528	0.0561758

Table 474: diversity_vs_picrust_L2_neo: wunifrac.PC.2 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0292852	0.0385821	0.7590351	0.4537545
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.0000000	-0.9806645	0.3346011

Table 475: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0691012	0.0404139	-1.709835	0.0976219
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	2.000103	0.0546133

Table 476: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0778146	0.0407104	-1.911418	0.0655459
L2.Biosynthesis.of.Other.Secondary.Metabolites	0.0000001	0.0000000	2.219368	0.0341682

Table 477: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0506616	0.0320189	-1.582242	0.1240811
L2.Cancers	0.0000007	0.0000003	2.085677	0.0456134

Table 478: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0526065	0.0383855	-1.370479	0.1807057
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	1.649922	0.1093920

Table 479: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0017902	0.0248571	0.0720188	0.9430650
L2.Cardiovascular.Diseases	-0.0001137	0.0006956	-0.1634032	0.8712968

Table 480: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 481: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0969441	0.0517718	-1.872529	0.0709091
L2.Cell.Growth.and.Death	0.0000002	0.0000001	2.046910	0.0495142

Table 482: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0118848	0.0341447	0.3480721	0.7302167
L2.Cell.Motility	0.0000000	0.0000000	-0.4587958	0.6496876

Table 483: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0438482	0.034613	-1.266815	0.2149685
L2.Cellular.Processes.and.Signaling	0.0000000	0.000000	1.612435	0.1173393

Table 484: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0086328	0.0236342	-0.3652658	0.7174757
L2.Circulatory.System	0.0000139	0.0000141	0.9899684	0.3301075

Table 485: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0440752	0.0372610	-1.182878	0.2461476
L2.Digestive.System	0.0000011	0.0000008	1.450940	0.1571734

Table 486: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0712885	0.0461443	-1.544904	0.1328542
L2.Endocrine.System	0.0000003	0.0000002	1.740960	0.0919391

Table 487: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0638476	0.0420755	-1.517453	0.1396206
L2.Energy.Metabolism	0.0000000	0.0000000	1.758277	0.0888999

Table 488: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302663	0.0432754	-0.6993874	0.4896976
L2.Environmental.Adaptation	0.0000003	0.0000003	0.8132061	0.4225072

Table 489: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0547552	0.042401	-1.291364	0.2064392
L2.Enzyme.Families	0.0000000	0.000000	1.499004	0.1443231

Table 490: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0328123	0.0272735	-1.203080	0.2383543
L2.Excretory.System	0.0000013	0.0000007	1.897717	0.0673940

Table 491: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0693621	0.0428616	-1.618283	0.1160690
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000000	1.860203	0.0726861

Table 492: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0641655	0.0411536	-1.559171	0.1294442
L2.Genetic.Information.Processing	0.0000000	0.0000000	1.818657	0.0789603

Table 493: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0919719	0.0384087	-2.394557	0.0230911
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000000	2.798501	0.0088856

Table 494: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0325001	0.0380586	-0.8539502	0.3999002
L2.Immune.System	0.0000006	0.0000006	1.0447807	0.3044702

Table 495: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0407051	0.0491924	-0.8274686	0.4145055
L2.Immune.System.Diseases	0.0000007	0.0000008	0.9252557	0.3622164

Table 496: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0442523	0.0352295	-1.256114	0.2187690
L2.Infectious.Diseases	0.0000001	0.0000001	1.583221	0.1238577

Table 497: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.054703	0.0393542	-1.390018	0.1747521
L2.Lipid.Metabolism	0.000000	0.0000000	1.655270	0.1082955

Table 498: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0329823	0.0340532	-0.9685537	0.3405121
L2.Membrane.Transport	0.0000000	0.0000000	1.2589692	0.2177501

Table 499: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0933792	0.0468237	-1.994270	0.0552799
L2.Metabolic.Diseases	0.0000011	0.0000005	2.222914	0.0339031

Table 500: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0398866	0.0353059	-1.129743	0.2675367
L2.Metabolism	0.0000000	0.0000000	1.428230	0.1635546

Table 501: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0704192	0.0401754	-1.752792	0.0898532
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	2.052482	0.0489360

Table 502: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0610657	0.0374013	-1.632715	0.1129825
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000000	1.973147	0.0577541

Table 503: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0653134	0.0415818	-1.57072	0.1267363
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000000	0.0000000	1.82517	0.0779471

Table 504: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0910540	0.0440930	-2.065046	0.0476541
L2.Nervous.System	0.0000012	0.0000005	2.333605	0.0265074

Table 505: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0390011	0.0337848	-1.154395	0.2574515
L2.Neurodegenerative.Diseases	0.0000003	0.0000002	1.498047	0.1445705

Table 506: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0803163	0.0469706	-1.709926	0.0976049
L2.Nucleotide.Metabolism	0.0000000	0.0000000	1.913304	0.0652949

Table 507: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0583332	0.0377084	-1.546954	0.1323598
L2.Poorly.Characterized	0.0000000	0.0000000	1.867648	0.0716083

Table 508: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0833077	0.0479549	-1.737209	0.0926088
L2.Replication.and.Repair	0.0000000	0.0000000	1.933425	0.0626693

Table 509: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 510: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0231098	0.0336108	-0.6875705	0.4970051
L2.Signal.Transduction	0.0000000	0.0000000	0.9101031	0.3700227

Table 511: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0837923	0.0522198	-1.604608	0.1190573
L2.Signaling.Molecules.and.Interaction	0.0000004	0.0000002	1.756730	0.0891679

Table 512: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0364147	0.0366523	-0.9935176	0.3284042
L2.Transcription	0.0000000	0.0000000	1.2351368	0.2263657

Table 513: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0854085	0.0478026	-1.786693	0.0840971
L2.Translation	0.0000000	0.0000000	1.988495	0.0559470

Table 514: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0695660	0.0412623	-1.685948	0.1021809
L2.Transport.and.Catabolism	0.0000003	0.0000001	1.959177	0.0594430

Table 515: diversity_vs_picrust_L2_neo: wunifrac.PC.3 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0349946	0.0342744	-1.021015	0.3154110
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.0000000	1.319139	0.1971032

Table 516: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0745228	0.0317997	-2.343505	0.0259230
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	2.741348	0.0102119

Table 517: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0579714	0.034162	-1.696956	0.1000582
L2.Biosynthesis.of.Other.Secondary.Metabolites	0.0000001	0.000000	1.970354	0.0580884

Table 518: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0721854	0.0223629	-3.227904	0.0030135
L2.Cancers	0.0000010	0.0000002	4.254951	0.0001887

Table 519: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0639047	0.0300099	-2.129454	0.0415376
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	2.563653	0.0156103

Table 520: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0058914	0.0204086	-0.2886742	0.7748161
L2.Cardiovascular.Diseases	0.0003741	0.0005711	0.6549721	0.5174767

Table 521: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 522: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0881391	0.0421581	-2.090680	0.0451303
L2.Cell.Growth.and.Death	0.0000002	0.0000001	2.285377	0.0295289

Table 523: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0692866	0.0228911	-3.026792	0.0050381
L2.Cell.Motility	0.0000001	0.0000000	3.989632	0.0003929

Table 524: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0647407	0.0257491	-2.514290	0.0175229
L2.Cellular.Processes.and.Signaling	0.0000000	0.0000000	3.200253	0.0032365

Table 525: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125386	0.0188561	-0.6649618	0.5111548
L2.Circulatory.System	0.0000203	0.0000112	1.8022251	0.0815666

Table 526: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0027332	0.0318533	0.085805	0.9321916
L2.Digestive.System	-0.0000001	0.0000006	-0.105250	0.9168780

Table 527: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0361280	0.0393230	-0.9187501	0.3655546
L2.Endocrine.System	0.0000002	0.0000002	1.0353440	0.3087824

Table 528: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.080174	0.0323472	-2.478544	0.0190403
L2.Energy.Metabolism	0.000000	0.0000000	2.871895	0.0074187

Table 529: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1032972	0.0287521	-3.592690	0.0011535
L2.Environmental.Adaptation	0.0000009	0.0000002	4.177366	0.0002340

Table 530: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0777242	0.0323856	-2.399963	0.0228083
L2.Enzyme.Families	0.0000000	0.0000000	2.785855	0.0091644

Table 531: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0323875	0.0219579	-1.474983	0.1506357
L2.Excretory.System	0.0000013	0.0000006	2.326612	0.0269274

Table 532: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0779998	0.033642	-2.318527	0.0274205
L2.Folding..Sorting.and.Degradation	0.0000000	0.000000	2.665128	0.0122697

Table 533: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0800264	0.031529	-2.538185	0.0165716
L2.Genetic.Information.Processing	0.0000000	0.000000	2.960605	0.0059499

Table 534: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0504888	0.0339824	-1.485733	0.1477837
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000000	1.736365	0.0927600

Table 535: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0918790	0.0245821	-3.737639	7.81e-04
L2.Immune.System	0.0000018	0.0000004	4.572881	7.76e-05

Table 536: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0767232	0.0381437	-2.011423	0.0533396
L2.Immune.System.Diseases	0.0000014	0.0000006	2.249126	0.0320011

Table 537: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0507356	0.0279710	-1.813865	0.0797129
L2.Infectious.Diseases	0.0000001	0.0000001	2.286217	0.0294737

Table 538: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0683648	0.0305566	-2.237317	0.0328458
L2.Lipid.Metabolism	0.0000000	0.0000000	2.664256	0.0122954

Table 539: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.054202	0.0258567	-2.096248	0.0445980
L2.Membrane.Transport	0.000000	0.0000000	2.724796	0.0106293

Table 540: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0866358	0.0378627	-2.288155	0.0293467
L2.Metabolic.Diseases	0.0000010	0.0000004	2.550493	0.0161004

Table 541: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0602942	0.0267536	-2.253690	0.0316799
L2.Metabolism	0.0000000	0.0000000	2.849132	0.0078473

Table 542: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0759574	0.0315238	-2.409525	0.0223160
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	2.821503	0.0083989

Table 543: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0623395	0.0298401	-2.089123	0.0452802
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000000	2.524718	0.0171018

Table 544: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0722150	0.032827	-2.199868	0.0356587
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000001	0.000000	2.556237	0.0158847

Table 545: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0731315	0.0366274	-1.996631	0.0550092
L2.Nervous.System	0.0000010	0.0000004	2.256294	0.0314979

Table 546: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0573347	0.0255644	-2.242751	0.0324546
L2.Neurodegenerative.Diseases	0.0000005	0.0000002	2.910395	0.0067436

Table 547: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0784885	0.0378677	-2.072704	0.0468874
L2.Nucleotide.Metabolism	0.0000000	0.0000000	2.319231	0.0273773

Table 548: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0717811	0.0288784	-2.485636	0.0187300
L2.Poorly.Characterized	0.0000000	0.0000000	3.000925	0.0053774

Table 549: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0910986	0.037737	-2.414042	0.0220868
L2.Replication.and.Repair	0.0000000	0.000000	2.686706	0.0116510

Table 550: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 551: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0599739	0.0241448	-2.483929	0.0188042
L2.Signal.Transduction	0.0000000	0.0000000	3.287854	0.0025796

Table 552: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0618726	0.0436064	-1.418890	0.1662377
L2.Signaling.Molecules.and.Interaction	0.0000003	0.0000002	1.553405	0.1308137

Table 553: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0654904	0.0272657	-2.401933	0.0227061
L2.Transcription	0.0000000	0.0000000	2.986072	0.0055820

Table 554: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0819104	0.0385972	-2.122184	0.0421912
L2.Translation	0.0000000	0.0000000	2.361877	0.0248694

Table 555: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.008352	0.0361767	-0.2308674	0.8189851
L2.Transport.and.Catabolism	0.000000	0.0000001	0.2682824	0.7903181

Table 556: diversity_vs_picrust_L2_neo: wunifrac.PC.4 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0588998	0.0256128	-2.299622	0.0286055
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.0000000	2.971085	0.0057958

Table 557: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125627	0.0521762	-0.2407753	0.8113672
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	0.0000149	0.0000116	1.2879190	0.2076204

Table 558: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.019157	0.0802879	-0.2386040	0.8130350
L3.ABC.transporters	0.000000	0.0000000	0.3156714	0.7544376

Table 559: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 560: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1000417	0.0832366	1.201895	0.2388062
L3.Adipocytokine.signaling.pathway	-0.0000022	0.0000014	-1.516268	0.1399190

Table 561: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0476527	0.0667411	-0.713994	0.4807495
L3.African.trypanosomiasis	0.0000065	0.0000058	1.125019	0.2695016

Table 562: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1010922	0.1113240	0.90809	0.3710681
L3.Alanine..aspartate.and.glutamate.metabolism	-0.0000001	0.0000001	-1.02567	0.3132468

Table 563: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0111809	0.0522356	-0.2140472	0.8319585
L3.Aldosterone.regulated.sodium.reabsorption	0.3577880	0.2954890	1.2108335	0.2354122

Table 564: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0215408	0.0957176	-0.2250456	0.8234697
L3.Alzheimer.s.disease	0.0000005	0.0000018	0.2693429	0.7895098

Table 565: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0418133	0.0782549	0.5343218	0.5970568
L3.Amino.acid.metabolism	-0.0000002	0.0000002	-0.7172915	0.4787425

Table 566: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0129161	0.1142944	-0.1130075	0.9107775
L3.Amino.acid.related.enzymes	0.0000000	0.0000001	0.1273143	0.8995412

Table 567: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0256841	0.1109332	0.2315279	0.8184766
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000000	0.0000001	-0.2629595	0.7943794

Table 568: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1446068	0.1177367	-1.228223	0.2289124
L3.Aminoacyl.tRNA.biosynthesis	0.0000002	0.0000001	1.363294	0.1829344

Table 569: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0121723	0.0758353	0.1605097	0.8735555
L3.Aminobenzoate.degradation	-0.0000001	0.0000004	-0.2228630	0.8251526

Table 570: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1208213	0.0602317	2.005940	0.0539533
L3.Amoebiasis	-0.0000321	0.0000104	-3.093125	0.0042584

Table 571: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0204591	0.0621113	0.3293946	0.7441462
L3.Amyotrophic.lateral.sclerosis..ALS.	-0.0000011	0.0000018	-0.6114770	0.5454901

Table 572: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1717553	0.0801883	2.141899	0.0404396
L3.Antigen.processing.and.presentation	-0.0000073	0.0000027	-2.654932	0.0125726

Table 573: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0907446	0.0544545	-1.666431	0.1060366
L3.Apoptosis	0.0000127	0.0000041	3.090285	0.0042893

Table 574: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0156872	0.0748771	0.2095062	0.8354693
L3.Arachidonic.acid.metabolism	-0.0000004	0.0000014	-0.2942569	0.7705881

Table 575: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0879032	0.0886959	0.9910622	0.3295819
L3.Arginine.and.proline.metabolism	-0.0000001	0.0000001	-1.2161068	0.2334268

Table 576: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 577: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0254364	0.0655059	0.3883065	0.7005313
L3.Ascorbate.and.aldarate.metabolism	-0.0000001	0.0000002	-0.6447439	0.5239932

Table 578: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098711	0.0584184	0.1689729	0.8669521
L3.Atrazine.degradation	-0.0000006	0.0000015	-0.3860094	0.7022137

Table 579: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0873127	0.0756112	1.154759	0.2573049
L3.Bacterial.chemotaxis	-0.0000003	0.0000002	-1.555326	0.1303561

Table 580: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0069043	0.0556820	-0.1239948	0.9021464
L3.Bacterial.invasion.of.epithelial.cells	0.0000057	0.0000153	0.3739524	0.7110698

Table 581: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0515358	0.0742514	0.6940719	0.4929772
L3.Bacterial.motility.proteins	-0.0000001	0.0000001	-0.9696078	0.3399948

Table 582: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0046298	0.0764485	0.0605613	0.9521103
L3.Bacterial.secretion.system	0.0000000	0.0000001	-0.0835247	0.9339892

Table 583: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1763435	0.1157455	-1.523545	0.1380954
L3.Bacterial.toxins	0.0000013	0.0000008	1.691705	0.1010661

Table 584: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0161635	0.0560023	0.2886226	0.7748551
L3.Basal.transcription.factors	-0.0000189	0.0000239	-0.7886050	0.4365307

Table 585: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0411462	0.1145231	-0.3592832	0.7218998
L3.Base.excision.repair	0.0000001	0.0000003	0.4042873	0.6888694

Table 586: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0064339	0.0715719	0.089894	0.9289690
L3.Benzoate.degradation	0.0000000	0.0000002	-0.132673	0.8953379

Table 587: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0143962	0.0552863	0.2603939	0.7963390
L3.Betalain.biosynthesis	-0.0001039	0.0001329	-0.7814155	0.4406816

Table 588: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0092633	0.0586284	-0.1579999	0.8755156
L3.Bile.secretion	0.0013597	0.0038179	0.3561507	0.7242202

Table 589: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0194113	0.0617576	0.3143142	0.7554579
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000002	0.0000004	-0.5924257	0.5580049

Table 590: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0015414	0.0534730	-0.0288265	0.9771939
L3.Biosynthesis.of.12...14..and.16.membered.macrolides	0.0493261	0.3024892	0.1630673	0.8715590

Table 591: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0332282	0.0752201	0.4417470	0.6618403
L3.Biosynthesis.of.ansamycins	-0.0000003	0.0000005	-0.6149057	0.5432534

Table 592: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0095250	0.0608940	0.1564193	0.8767504
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	-0.0000001	0.0000004	-0.3099361	0.7587524

Table 593: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 594: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0144638	0.0555423	0.2604106	0.7963262
L3.Biosynthesis.of.type.II.polyketide.products	-0.0001010	0.0001333	-0.7575617	0.4546231

Table 595: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0085959	0.0713359	0.1204988	0.9048914
L3.Biosynthesis.of.unsaturated.fatty.acids	-0.0000001	0.0000004	-0.1784899	0.8595381

Table 596: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2246438	0.1059513	2.120255	0.0423662
L3.Biosynthesis.of.vancomycin.group.antibiotics	-0.0000045	0.0000019	-2.381999	0.0237603

Table 597: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1206128	0.0894191	1.348848	0.1874800
L3.Biotin.metabolism	-0.0000010	0.0000006	-1.633810	0.1127513

Table 598: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1683938	0.0957246	1.759149	0.0887491
L3.Bisphenol.degradation	-0.0000038	0.0000018	-2.052352	0.0489495

Table 599: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0093871	0.0589318	0.1592881	0.8745094
L3.Bladder.cancer	-0.0000020	0.0000058	-0.3518264	0.7274278

Table 600: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0171863	0.0842904	-0.2038942	0.8398130
L3.Butanoate.metabolism	0.0000000	0.0000001	0.2609180	0.7959386

Table 601: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1848602	0.1305886	1.415592	0.1671935
L3.Butirosin.and.neomycin.biosynthesis	-0.0000039	0.0000026	-1.536077	0.1350004

Table 602: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0400539	0.1006604	-0.3979115	0.6935130
L3.C5.Branched.dibasic.acid.metabolism	0.0000001	0.0000003	0.4662481	0.6444058

Table 603: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 604: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0389791	0.0553225	-0.7045785	0.4865068
L3.Caffeine.metabolism	0.0479742	0.0283333	1.6932104	0.1007763

Table 605: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0690104	0.0528918	-1.304746	0.2019000
L3.Calcium.signaling.pathway	0.1104166	0.0392871	2.810508	0.0086283

Table 606: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0004361	0.0624706	-0.0069812	0.9944761
L3.Caprolactam.degradation	0.0000000	0.0000007	0.0129730	0.9897352

Table 607: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016941	0.0756721	0.0223879	0.9822868
L3.Carbohydrate.digestion.and.absorption	-0.0000001	0.0000025	-0.0311711	0.9753396

Table 608: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0671321	0.0862331	0.7784961	0.4423740
L3.Carbohydrate.metabolism	-0.0000004	0.0000004	-0.9741890	0.3377529

Table 609: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0490578	0.0942055	0.5207530	0.6063615
L3.Carbon.fixation.in.photosynthetic.organisms	-0.0000001	0.0000001	-0.6261744	0.5359362

Table 610: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.039578	0.0980847	0.4035089	0.6894356
L3.Carbon.fixation.pathways.in.prokaryotes	0.000000	0.0000001	-0.4775357	0.6364416

Table 611: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0145206	0.0561939	0.2584013	0.7978619
L3.Cardiac.muscle.contraction	-0.0000235	0.0000335	-0.7003368	0.4891132

Table 612: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0695133	0.0544302	1.277109	0.2113601
L3.Carotenoid.biosynthesis	-0.0000203	0.0000078	-2.617092	0.0137584

Table 613: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 614: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0401966	0.1290556	-0.3114670	0.7575998
L3.Cell.cycle. . . Caulobacter	0.0000001	0.0000003	0.3410215	0.7354643

Table 615: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cell.cycle. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 616: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1113617	0.0823697	1.351975	0.1864889
L3.Cell.division	-0.0000019	0.0000011	-1.706674	0.0982152

Table 617: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0197271	0.0872274	0.2261577	0.8226126
L3.Cell.motility.and.secretion	-0.0000001	0.0000004	-0.2834537	0.7787760

Table 618: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1080583	0.0800615	1.349691	0.1872125
L3.Cellular.antigens	-0.0000024	0.0000014	-1.732634	0.0934311

Table 619: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0500730	0.0641022	-0.7811432	0.4408393
L3.Chagas.disease..American.trypanosomiasis.	0.0000074	0.0000057	1.2996538	0.2036181

Table 620: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0360031	0.1007687	0.3572845	0.7233801
L3.Chaperones.and.folding.catalysts	0.0000000	0.0000001	-0.4185851	0.6785010

Table 621: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0429940	0.1036551	0.4147791	0.6812549
L3.Chloroalkane.and.chloroalkene.degradation	-0.0000003	0.0000005	-0.4808940	0.6340806

Table 622: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0378431	0.0644850	0.5868504	0.5616948
L3.Chlorocyclohexane.and.chlorobenzene.degradation	-0.0000028	0.0000028	-0.9860558	0.3319922

Table 623: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 624: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0108066	0.1084728	-0.0996247	0.9213051
L3.Chromosome	0.0000000	0.0000001	0.1139424	0.9100426

Table 625: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0107154	0.0566370	0.1891935	0.8512153
L3.Chronic.myeloid.leukemia	-0.0428614	0.0856271	-0.5005591	0.6203341

Table 626: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Circadian.rhythm…plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0094157	0.0571471	-0.1647618	0.8702366
L3.Circadian.rhythm…plant	0.0065500	0.0156995	0.4172118	0.6794941

Table 627: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0448893	0.0807921	0.5556146	0.5825945
L3.Citrate.cycle..TCA.cycle.	-0.0000001	0.0000001	-0.7279117	0.4723112

Table 628: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 629: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.Colorectal.cancer	0.0035903	0.0019933	1.8011462	0.0817402

Table 630: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 631: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1236024	0.0849289	1.455364	0.1559539
L3.Cyanoamino.acid.metabolism	-0.0000005	0.0000003	-1.800836	0.0817901

Table 632: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0064617	0.0993757	-0.0650229	0.9485871
L3.Cysteine.and.methionine.metabolism	0.0000000	0.0000001	0.0766667	0.9393977

Table 633: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0005725	0.0534935	-0.0107019	0.9915322
L3.Cytochrome.P450	0.0183193	0.3026048	0.0605389	0.9521280

Table 634: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 635: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 636: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0459791	0.1121905	0.4098302	0.6848423
L3.Cytoskeleton.proteins	-0.0000002	0.0000005	-0.4636558	0.6462409

Table 637: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 638: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1519722	0.1054792	-1.440779	0.1600036
L3.D.Alanine.metabolism	0.0000014	0.0000009	1.640511	0.1113438

Table 639: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0254353	0.0572316	-0.4444271	0.6599235
L3.D.Arginine.and.D.ornithine.metabolism	0.0000063	0.0000060	1.0390078	0.3071031

Table 640: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0191376	0.1103782	-0.1733816	0.8635161
L3.D.Glutamine.and.D.glutamate.metabolism	0.0000001	0.0000007	0.1972370	0.8449723

Table 641: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0562105	0.1179004	-0.4767624	0.6369859
L3.DNA.repair.and.recombination.proteins	0.0000000	0.0000000	0.5322339	0.5984841

Table 642: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0500331	0.1273995	-0.3927259	0.6972986
L3.DNA.replication	0.0000001	0.0000002	0.4310118	0.6695410

Table 643: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0173791	0.1235486	-0.1406663	0.8890738
L3.DNA.replication.proteins	0.0000000	0.0000001	0.1554808	0.8774837

Table 644: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 645: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0361537	0.0727029	-0.4972795	0.6226172
L3.Dioxin.degradation	0.0000004	0.0000006	0.7145989	0.4803810

Table 646: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Drug.metabolism...cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0009065	0.0684590	0.013242	0.9895224
L3.Drug.metabolism...cytochrome.P450	0.0000000	0.0000009	-0.020720	0.9836062

Table 647: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Drug.metabolism...other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0534094	0.1136864	0.4697956	0.6418981
L3.Drug.metabolism...other.enzymes	-0.0000002	0.0000004	-0.5294082	0.6004184

Table 648: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 649: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0187511	0.0665642	-0.2816996	0.780108
L3.Electron.transfer.carriers	0.0000003	0.0000007	0.4578123	0.650386

Table 650: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 651: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302334	0.0523758	-0.577240	0.5680844
L3.Endocytosis	0.0284550	0.0151990	1.872166	0.0709610

Table 652: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0997031	0.0851338	1.171133	0.2507636
L3.Energy.metabolism	-0.0000001	0.0000001	-1.460644	0.1545080

Table 653: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0608773	0.0942073	0.6462055	0.5230593
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	-0.0000009	0.0000012	-0.7758324	0.4439215

Table 654: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 655: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0588583	0.0635993	0.9254553	0.3621143
L3.Ether.lipid.metabolism	-0.0000407	0.0000266	-1.5331387	0.1357209

Table 656: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1554282	0.0760253	2.044427	0.0497738
L3.Ethylbenzene.degradation	-0.0000050	0.0000019	-2.618562	0.0137104

Table 657: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 658: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0123173	0.1079343	-0.1141186	0.9099041
L3.Fatty.acid.biosynthesis	0.0000000	0.0000002	0.1307181	0.8968709

Table 659: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 660: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0015912	0.0806180	0.0197374	0.9843836
L3.Fatty.acid.metabolism	0.0000000	0.0000002	-0.0260646	0.9793784

Table 661: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 662: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302334	0.0523758	-0.577240	0.5680844
L3.Fc.gamma.R.mediated.phagocytosis	0.0284550	0.0151990	1.872166	0.0709610

Table 663: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181246	0.0661980	0.2737945	0.7861188
L3.Flagellar.assembly	-0.0000001	0.0000003	-0.4491717	0.6565360

Table 664: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1226101	0.0546579	2.243228	0.0324205
L3.Flavone.and.flavonol.biosynthesis	-0.0000249	0.0000067	-3.715749	0.0008286

Table 665: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053073	0.054452	0.0974674	0.9230035
L3.Flavonoid.biosynthesis	-0.0000048	0.000013	-0.3705102	0.7136057

Table 666: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0125007	0.0573060	0.2181395	0.8287975
L3.Fluorobenzoate.degradation	-0.0000008	0.0000015	-0.5388970	0.5939348

Table 667: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 668: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0212345	0.1096952	-0.1935775	0.8478114
L3.Folate.biosynthesis	0.0000001	0.0000003	0.2206066	0.8268933

Table 669: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0598003	0.0896157	0.6672965	0.5096835
L3.Fructose.and.mannose.metabolism	-0.0000001	0.0000001	-0.8199298	0.4187232

Table 670: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0083612	0.080462	0.1039152	0.9179283
L3.Function.unknown	0.0000000	0.000000	-0.1373944	0.8916371

Table 671: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 672: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 673: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0567404	0.1124719	0.5044853	0.6176059

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Galactose.metabolism	-0.0000001	0.0000001	-0.5700562	0.5728844

Table 674: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 675: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0646363	0.100782	0.6413477	0.5261667
L3.General.function.prediction.only	0.0000000	0.000000	-0.7495853	0.4593426

Table 676: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0223291	0.0646003	0.3456497	0.7320181
L3.Geraniol.degradation	-0.0000003	0.0000005	-0.5899550	0.5596386

Table 677: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0327210	0.0581102	0.5630844	0.5775620
L3.Germination	-0.0000082	0.0000068	-1.2085400	0.2362796

Table 678: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 679: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1463732	0.1089444	1.343559	0.1891662
L3.Glutamatergic.synapse	-0.0000020	0.0000013	-1.518289	0.1394107

Table 680: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0144640	0.0833940	0.1734417	0.8634692
L3.Glutathione.metabolism	-0.0000001	0.0000003	-0.2235384	0.8246317

Table 681: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 682: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0212910	0.0660940	0.3221319	0.7495869
L3.Glycan.biosynthesis.and.metabolism	-0.0000004	0.0000008	-0.5287265	0.6008854

Table 683: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0169665	0.0915694	-0.1852856	0.8542520
L3.Glycerolipid.metabolism	0.0000000	0.0000002	0.2263766	0.8224439

Table 684: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0285298	0.0923690	0.3088678	0.7595569
L3.Glycerophospholipid.metabolism	-0.0000001	0.0000002	-0.3755050	0.7099270

Table 685: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0388980	0.0978697	0.3974468	0.6938519
L3.Glycine..serine.and.threonine.metabolism	-0.0000001	0.0000001	-0.4707963	0.6411915

Table 686: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycolysis...Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0092465	0.1022558	-0.0904255	0.9285501
L3.Glycolysis...Gluconeogenesis	0.0000000	0.0000001	0.1054781	0.9166985

Table 687: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0138224	0.0529669	-0.2609635	0.7959038
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	0.0552897	0.0486057	1.1375136	0.2643275

Table 688: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2422096	0.0679559	3.564219	0.0012447
L3.Glycosaminoglycan.degradation	-0.0000033	0.0000007	-4.458985	0.0001068

Table 689: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2086518	0.0686618	3.038832	0.0048872
L3.Glycosphingolipid.biosynthesis...ganglio.series	-0.0000045	0.0000012	-3.893058	0.0005119

Table 690: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis...globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2081616	0.0791356	2.630443	0.0133286
L3.Glycosphingolipid.biosynthesis...globo.series	-0.0000026	0.0000008	-3.212195	0.0031383

Table 691: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098072	0.0535553	0.1831225	0.8559339
L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series	-0.0000717	0.0000903	-0.7936070	0.4336568

Table 692: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 693: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010027	0.0975035	0.0102835	0.9918632
L3.Glycosyltransferases	0.0000000	0.0000002	-0.0122183	0.9903324

Table 694: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0549716	0.0782772	0.7022692	0.4879248
L3.Glyoxylate.and.dicarboxylate.metabolism	-0.0000001	0.0000001	-0.9380965	0.3556865

Table 695: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302334	0.0523758	-0.577240	0.5680844
L3.GnRH.signaling.pathway	0.0284550	0.0151990	1.872166	0.0709610

Table 696: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 697: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 698: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 699: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1417845	0.1094310	1.295652	0.2049763
L3.Histidine.metabolism	-0.0000003	0.0000002	-1.463377	0.1537639

Table 700: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0619911	0.1233343	-0.5026265	0.6188968
L3.Homologous.recombination	0.0000001	0.0000001	0.5551967	0.5828767

Table 701: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0550939	0.0918689	0.5997019	0.5532078
L3.Huntington.s.disease	-0.0000013	0.0000017	-0.7287375	0.4718132

Table 702: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079641	0.0545638	-0.1459599	0.8849294
L3.Hypertrophic.cardiomyopathy..HCM.	0.0020553	0.0039137	0.5251485	0.6033398

Table 703: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0317832	0.0598253	-0.5312672	0.5991455
L3.Indole.alkaloid.biosynthesis	0.0565035	0.0535093	1.0559552	0.2994186

Table 704: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.Influenza.A	0.0035903	0.0019933	1.8011462	0.0817402

Table 705: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0312883	0.0727076	0.4303298	0.6700315
L3.Inorganic.ion.transport.and.metabolism	-0.0000001	0.0000002	-0.6197243	0.5401181

Table 706: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0244391	0.0683869	0.3573651	0.7233203
L3.Inositol.phosphate.metabolism	-0.0000002	0.0000003	-0.5559269	0.5823837

Table 707: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0384436	0.1059427	0.3628713	0.7192453
L3.Insulin.signaling.pathway	-0.0000006	0.0000015	-0.4177802	0.6790830

Table 708: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0970172	0.0897121	-1.081428	0.2881235
L3.Ion.channels	0.0000026	0.0000019	1.316911	0.1978399

Table 709: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0058214	0.0545892	-0.1066399	0.9157846
L3.Isoflavonoid.biosynthesis	0.0031574	0.0080735	0.3910793	0.6985024

Table 710: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0867933	0.0776430	1.117851	0.2725027
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000017	0.0000012	-1.478878	0.1495974

Table 711: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 712: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 713: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0322846	0.0751989	0.4293232	0.6707557
L3.Limonene.and.pinene.degradation	-0.0000003	0.0000006	-0.5979601	0.5543542

Table 714: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1982532	0.0983312	2.016177	0.0528125
L3.Linoleic.acid.metabolism	-0.0000053	0.0000023	-2.317591	0.0274781

Table 715: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0253123	0.1034813	0.2446074	0.8084258
L3.Lipid.biosynthesis.proteins	-0.0000001	0.0000002	-0.2840075	0.7783557

Table 716: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098055	0.0765745	0.1280521	0.8989623
L3.Lipid.metabolism	-0.0000001	0.0000004	-0.1762815	0.8612574

Table 717: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1303640	0.0859744	1.516311	0.1399082
L3.Lipoic.acid.metabolism	-0.0000027	0.0000014	-1.861179	0.0725440

Table 718: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0607715	0.0714736	0.8502648	0.4019132
L3.Lipopolysaccharide.biosynthesis	-0.0000002	0.0000002	-1.2233477	0.2307210

Table 719: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0583782	0.0755779	0.7724242	0.4459062
L3.Lipopolysaccharide.biosynthesis.proteins	-0.0000001	0.0000001	-1.0588978	0.2980981

Table 720: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 721: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 722: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0254327	0.1158320	0.2195653	0.8276969
L3.Lysine.biosynthesis	0.0000000	0.0000002	-0.2464414	0.8070191

Table 723: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0361089	0.0722436	0.4998207	0.6208477
L3.Lysine.degradation	-0.0000002	0.0000003	-0.7230226	0.4752656

Table 724: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2726188	0.0630458	4.324140	0.0001556
L3.Lysosome	-0.0000028	0.0000005	-5.383305	0.0000079

Table 725: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 726: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.MAPK.signaling.pathway...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1072394	0.1078892	0.9939764	0.3281844
L3.MAPK.signaling.pathway...yeast	-0.0000024	0.0000021	-1.1315900	0.2667715

Table 727: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 728: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0874010	0.0476595	-1.833863	0.0766121
L3.Meiosis. . . yeast	0.0000275	0.0000068	4.025684	0.0003558

Table 729: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0143709	0.0552553	0.2600821	0.7965772
L3.Melanogenesis	-0.0001041	0.0001328	-0.7836525	0.4393876

Table 730: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0608077	0.0769759	0.7899571	0.4357527
L3.Membrane.and.intracellular.structural.molecules	-0.0000001	0.0000001	-1.0659808	0.2949365

Table 731: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0033012	0.0776951	0.0424896	0.9663899
L3.Metabolism.of.cofactors.and.vitamins	0.0000000	0.0000004	-0.0577799	0.9543071

Table 732: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0007061	0.0676966	-0.0104297	0.9917475
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	0.0000000	0.0000009	0.0165941	0.9868703

Table 733: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0454962	0.1070305	0.4250773	0.6738139
L3.Methane.metabolism	0.0000000	0.0000001	-0.4876346	0.6293534

Table 734:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0210797	0.0646180	-0.3262198	0.7465229
L3.Mineral.absorption	0.0000120	0.0000216	0.5571615	0.5815506

Table 735:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0194753	0.1247276	-0.1561426	0.8769666
L3.Mismatch.repair	0.0000000	0.0000002	0.1722247	0.8644175

Table 736:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1228470	0.0623871	1.969110	0.0582378
L3.N.Glycan.biosynthesis	-0.0000088	0.0000030	-2.944065	0.0062011

Table 737:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1894998	0.0811833	2.334222	0.0264707
L3.NOD.like.receptor.signaling.pathway	-0.0000075	0.0000026	-2.853537	0.0077626

Table 738:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0366722	0.1075920	0.3408445	0.7355962
L3.Naphthalene.degradation	-0.0000003	0.0000007	-0.3905361	0.6988996

Table 739:   diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 740: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 741: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0019538	0.1046686	0.0186663	0.9852309
L3.Nicotinate.and.nicotinamide.metabolism	0.0000000	0.0000002	-0.0215981	0.9829115

Table 742: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0699508	0.0873287	0.8010059	0.4294268
L3.Nitrogen.metabolism	-0.0000001	0.0000001	-0.9950008	0.3276941

Table 743: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029424	0.0743128	-0.0395943	0.9686789
L3.Nitrotoluene.degradation	0.0000000	0.0000008	0.0561065	0.9556290

Table 744: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0280822	0.0595612	0.4714847	0.6407056
L3.Non.homologous.end.joining	-0.0000247	0.0000258	-0.9589750	0.3452367

Table 745: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0107154	0.0566370	0.1891935	0.8512153
L3.Notch.signaling.pathway	-0.0428614	0.0856271	-0.5005591	0.6203341

Table 746: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0344101	0.0967654	0.3556035	0.7246258
L3.Novobiocin.biosynthesis	-0.0000003	0.0000007	-0.4233176	0.6750830

Table 747: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0998516	0.1321836	-0.7554011	0.4558987
L3.Nucleotide.excision.repair	0.0000003	0.0000004	0.8218567	0.4176427

Table 748: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0219127	0.0694662	-0.3154437	0.7546087
L3.Nucleotide.metabolism	0.0000003	0.0000005	0.4811253	0.6339182

Table 749: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 750: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0110804	0.1247736	-0.0888041	0.9298278
L3.One.carbon.pool.by.folate	0.0000000	0.0000002	0.0979499	0.9226236

Table 751: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 752: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2703963	0.0737099	3.668386	0.0009415
L3.Other.glycan.degradation	-0.0000010	0.0000002	-4.414169	0.0001210

Table 753: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0393157	0.0825619	0.4761961	0.6373846
L3.Other.ion.coupled.transporters	0.0000000	0.0000000	-0.6156171	0.5427899

Table 754: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0567019	0.0843758	0.6720154	0.5067167
L3.Other.transporters	-0.0000002	0.0000003	-0.8535959	0.4000935

Table 755: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 756: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.036051	0.0964067	0.373947	0.7110737
L3.Others	0.000000	0.0000001	-0.445787	0.6589519

Table 757: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0368703	0.1057060	0.3488008	0.7296751
L3.Oxidative.phosphorylation	0.0000000	0.0000001	-0.4019025	0.6906048

Table 758: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0970845	0.1111889	0.8731488	0.3895176
L3.PPAR.signaling.pathway	-0.0000013	0.0000013	-0.9868793	0.3315949

Table 759: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 760: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 761: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0114004	0.1088205	0.1047631	0.9172611
L3.Pantothenate.and.CoA.biosynthesis	0.0000000	0.0000002	-0.1197008	0.9055182

Table 762: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0142261	0.0563811	0.2523199	0.8025146
L3.Parkinson.s.disease	-0.0000226	0.0000335	-0.6724711	0.5064307

Table 763: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0250508	0.0528956	-0.4735893	0.6392212
L3.Pathogenic.Escherichia.coli.infection	0.0178139	0.0111129	1.6029994	0.1194130

Table 764: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0670856	0.0824403	0.8137468	0.4222021
L3.Pathways.in.cancer	-0.0000020	0.0000019	-1.0449876	0.3043762

Table 765: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0701024	0.0834644	-0.8399079	0.4076040
L3.Penicillin.and.cephalosporin.biosynthesis	0.0000021	0.0000019	1.0695888	0.2933351

Table 766: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0924413	0.0721478	1.281276	0.2099126
L3.Pentose.and.glucuronate.interconversions	-0.0000002	0.0000001	-1.779814	0.0852392

Table 767: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0516840	0.0969141	0.5332970	0.5977572
L3.Pentose.phosphate.pathway	-0.0000001	0.0000001	-0.6334816	0.5312195

Table 768: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0094091	0.1083534	0.0868372	0.9313780
L3.Peptidases	0.0000000	0.0000001	-0.0993524	0.9215194

Table 769: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1061868	0.1167617	-0.9094319	0.3703711
L3.Peptidoglycan.biosynthesis	0.0000001	0.0000001	1.0146302	0.3183958

Table 770: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1154267	0.0986617	1.169924	0.2512424
L3.Peroxisome	-0.0000008	0.0000006	-1.367520	0.1816211

Table 771: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0246508	0.0596606	0.4131836	0.6824106
L3.Pertussis	-0.0000003	0.0000003	-0.8448462	0.4048843

Table 772: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 773: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0423469	0.0681165	0.6216832	0.5388463
L3.Phenylalanine.metabolism	-0.0000002	0.0000002	-0.9590033	0.3452227

Table 774: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0379302	0.1100960	-0.3445197	0.7328590
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000001	0.0000001	0.3919973	0.6978312

Table 775: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1791801	0.0710948	2.520297	0.0172792
L3.Phenylpropanoid.biosynthesis	-0.0000012	0.0000004	-3.266299	0.0027282

Table 776: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0050160	0.1156890	-0.0433579	0.9657035
L3.Phosphatidylinositol.signaling.system	0.0000001	0.0000011	0.0486932	0.9614866

Table 777: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0257054	0.089790	-0.2862839	0.7766285
L3.Phosphonate.and.phosphinate.metabolism	0.0000004	0.000001	0.3530495	0.7265200

Table 778: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0270016	0.0761363	-0.3546477	0.7253345
L3.Phosphotransferase.system..PTS.	0.0000000	0.0000001	0.4892250	0.6282404

Table 779: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1224070	0.1284215	-0.9531656	0.3481235
L3.Photosynthesis	0.0000004	0.0000004	1.0413808	0.3060189

Table 780: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Photosynthesis. . .antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0773703	0.0538263	-1.437407	0.1609516
L3.Photosynthesis. . .antenna.proteins	0.0067279	0.0023396	2.875663	0.0073499

Table 781: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1167580	0.1260806	-0.9260591	0.3618055
L3.Photosynthesis.proteins	0.0000004	0.0000004	1.0156330	0.3179256

Table 782: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 783: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Phototransduction. . . fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 784: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0326882	0.1029634	0.3174743	0.7530829
L3.Plant.pathogen.interaction	-0.0000003	0.0000008	-0.3691399	0.7146162

Table 785: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.002899	0.1233004	-0.0235121	0.9813975
L3.Polycyclic.aromatic.hydrocarbon.degradation	0.000000	0.0000012	0.0260022	0.9794278

Table 786: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1395364	0.1069176	1.305083	0.2017865
L3.Polyketide.sugar.unit.biosynthesis	-0.0000009	0.0000006	-1.483391	0.1484012

Table 787: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0715056	0.0722073	0.990281	0.3299572
L3.Pores.ion.channels	-0.0000002	0.0000001	-1.399302	0.1719778

Table 788: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0862739	0.0841575	1.025148	0.3134888
L3.Porphyrin.and.chlorophyll.metabolism	-0.0000001	0.0000001	-1.292396	0.2060866

Table 789: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0646533	0.1207674	0.5353539	0.5963518
L3.Prenyltransferases	-0.0000003	0.0000004	-0.5940619	0.5569243

Table 790: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1111127	0.1017539	1.091975	0.2835361
L3.Primary.bile.acid.biosynthesis	-0.0000050	0.0000040	-1.264469	0.2157974

Table 791: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0753843	0.1164067	-0.6475947	0.5221725
L3.Primary.immunodeficiency	0.0000013	0.0000019	0.7245239	0.4743573

Table 792: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0065838	0.0628463	0.1047607	0.9172630
L3.Prion.diseases	-0.0000010	0.0000052	-0.1916154	0.8493345

Table 793: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1717553	0.0801883	2.141899	0.0404396
L3.Progesterone.mediated.oocyte.maturation	-0.0000073	0.0000027	-2.654932	0.0125726

Table 794: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	9.4e-05	0.0896485	0.0010487	0.9991702
L3.Propanoate.metabolism	0.0e+00	0.0000001	-0.0012958	0.9989747

Table 795: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1764044	0.0771288	2.287141	0.0294131
L3.Prostate.cancer	-0.0000070	0.0000024	-2.871460	0.0074267

Table 796: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0766570	0.1201847	0.6378266	0.5284253
L3.Proteasome	-0.0000027	0.0000038	-0.7081654	0.4843089

Table 797: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1915221	0.0579614	3.304304	0.0024714
L3.Protein.digestion.and.absorption	-0.0000113	0.0000024	-4.599743	0.0000720

Table 798: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0709388	0.1216875	-0.5829589	0.5642778
L3.Protein.export	0.0000001	0.0000002	0.6456090	0.5234404

Table 799: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0208368	0.0925381	0.2251694	0.8233743
L3.Protein.folding.and.associated.processing	0.0000000	0.0000001	-0.2736533	0.7862264

Table 800: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0124587	0.0818534	-0.1522076	0.8800422
L3.Protein.kinases	0.0000000	0.0000002	0.1987068	0.8438326

Table 801: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2836173	0.0750854	3.777261	0.0007015
L3.Protein.processing.in.endoplasmic.reticulum	-0.0000070	0.0000016	-4.494995	0.0000965

Table 802: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0392187	0.0671408	0.5841263	0.5635023
L3.Proximal.tubule.bicarbonate.reclamation	-0.0000016	0.0000017	-0.9213992	0.3641928

Table 803: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0504714	0.1136720	-0.4440088	0.6602225
L3.Purine.metabolism	0.0000000	0.0000001	0.5004330	0.6204218

Table 804: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0459481	0.1211093	-0.3793940	0.7070676
L3.Pyrimidine.metabolism	0.0000000	0.0000001	0.4210065	0.6767513

Table 805: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0125815	0.0934470	0.1346379	0.8937974
L3.Pyruvate.metabolism	0.0000000	0.0000001	-0.1629390	0.8716591

Table 806: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0162131	0.0653619	0.2480513	0.8057848
L3.RIG.I.like.receptor.signaling.pathway	-0.0000113	0.0000270	-0.4164536	0.6800427

Table 807: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0571838	0.1195217	0.4784383	0.6358067
L3.RNA.degradation	-0.0000002	0.0000003	-0.5323413	0.5984106

Table 808: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1961866	0.1144232	-1.714570	0.0967388
L3.RNA.polymerase	0.0000014	0.0000007	1.903822	0.0665650

Table 809: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0539669	0.1001158	-0.5390441	0.5938346
L3.RNA.transport	0.0000005	0.0000009	0.6321903	0.5320514

Table 810: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 811: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0391833	0.0650438	-0.6024140	0.5514253
L3.Renal.cell.carcinoma	0.0000038	0.0000038	0.9962173	0.3271125

Table 812: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0132369	0.0525859	-0.2517191	0.8029746
L3.Renin.angiotensin.system	0.0007179	0.0005960	1.2046744	0.2377470

Table 813: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0481945	0.1045461	-0.4609878	0.6481321
L3.Replication..recombination.and.repair.proteins	0.0000001	0.0000001	0.5327583	0.5981255

Table 814: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0770420	0.0977101	0.7884751	0.4366055
L3.Restriction.enzyme	-0.0000005	0.0000005	-0.9306789	0.3594490

Table 815: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0169683	0.0762293	-0.2225954	0.8253590
L3.Retinol.metabolism	0.0000005	0.0000015	0.3073912	0.7606695

Table 816: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 817: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0398840	0.0856648	0.4655816	0.6448774
L3.Riboflavin.metabolism	-0.0000002	0.0000003	-0.5882101	0.5607938

Table 818: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1041926	0.1253238	-0.8313874	0.4123235
L3.Ribosome	0.0000001	0.0000001	0.9135269	0.3682494

Table 819: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0647860	0.1070817	-0.6050148	0.5497187
L3.Ribosome.Biogenesis	0.0000001	0.0000001	0.6930782	0.4935916

Table 820: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1441920	0.1094357	-1.317596	0.1976131
L3.Ribosome.biogenesis.in.eukaryotes	0.0000033	0.0000022	1.487688	0.1472698

Table 821: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 822: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.110170	0.1016156	1.084184	0.2869199
L3.Secondary.bile.acid.biosynthesis	-0.000005	0.0000040	-1.256172	0.2187482

Table 823: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0131213	0.0770928	-0.1702017	0.8659942
L3.Secretion.system	0.0000000	0.0000000	0.2328353	0.8174706

Table 824: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0067136	0.0989839	-0.0678247	0.9463752
L3.Selenocompound.metabolism	0.0000000	0.0000002	0.0800940	0.9366944

Table 825: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 826: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0169282	0.0596414	-0.2838328	0.7784882
L3.Shigellosis	0.0090284	0.0152414	0.5923582	0.5580495

Table 827: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0045893	0.0945138	0.0485569	0.9615942
L3.Signal.transduction.mechanisms	0.0000000	0.0000002	-0.0584697	0.9537622

Table 828: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.Small.cell.lung.cancer	0.0035903	0.0019933	1.8011462	0.0817402

Table 829: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2885902	0.0670452	4.304412	0.0001644
L3.Sphingolipid.metabolism	-0.0000017	0.0000003	-5.229973	0.0000122

Table 830: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 831: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0352344	0.0737780	0.4775729	0.6364155
L3.Sporulation	-0.0000001	0.0000002	-0.6765357	0.5038838

Table 832: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1039292	0.0572020	-1.816882	0.0792384
L3.Staphylococcus.aureus.infection	0.0000025	0.0000008	3.054875	0.0046927

Table 833: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1050262	0.0966147	1.087062	0.2856665
L3.Starch.and.sucrose.metabolism	-0.0000001	0.0000001	-1.282521	0.2094816

Table 834: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0479173	0.0552894	-0.8666623	0.3930061
L3.Steroid.biosynthesis	0.0008920	0.0004555	1.9583334	0.0595463

Table 835: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1051165	0.0576173	1.824391	0.0780677
L3.Steroid.hormone.biosynthesis	-0.0000063	0.0000021	-3.035884	0.0049237

Table 836: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0057055	0.0566133	-0.1007808	0.9203950
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	0.0000035	0.0000130	0.2721781	0.7873496

Table 837: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1106112	0.1079024	1.025105	0.3135091
L3.Streptomycin.biosynthesis	-0.0000004	0.0000004	-1.166544	0.2525846

Table 838: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0104329	0.0576635	0.1809268	0.8576418
L3.Styrene.degradation	-0.0000004	0.0000009	-0.4369299	0.6652912

Table 839: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0711885	0.0956973	0.7438927	0.4627284
L3.Sulfur.metabolism	-0.0000003	0.0000003	-0.8859753	0.3826779

Table 840: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0068018	0.0797858	0.0852508	0.9326284
L3.Sulfur.relay.system	0.0000000	0.0000002	-0.1134502	0.9104295

Table 841: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs
L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0495294	0.0793443	-0.6242339	0.5371925
L3.Synthesis.and.degradation.of.ketone.bodies	0.0000014	0.0000017	0.8272292	0.4146390

Table 842: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0151823	0.0557043	0.2725520	0.7870649
L3.Systemic.lupus.erythematosus	-0.0001031	0.0001332	-0.7739833	0.4449976

Table 843: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 844: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0198093	0.1030076	0.1923087	0.8487963
L3.Taurine.and.hypotaurine.metabolism	-0.0000002	0.0000008	-0.2236840	0.8245195

Table 845: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0097994	0.1226661	0.0798864	0.9368581
L3.Terpenoid.backbone.biosynthesis	0.0000000	0.0000002	-0.0884469	0.9301093

Table 846: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0403587	0.1057672	-0.3815801	0.7054623
L3.Tetracycline.biosynthesis	0.0000003	0.0000007	0.4395134	0.6634394

Table 847: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0087569	0.1107220	-0.0790888	0.9374872
L3.Thiamine.metabolism	0.0000000	0.0000002	0.0899021	0.9289626

Table 848: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 849: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0210530	0.0615668	-0.3419538	0.7347696
L3.Toluene.degradation	0.0000002	0.0000003	0.6477861	0.5220504

Table 850: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.Toxoplasmosis	0.0035903	0.0019933	1.8011462	0.0817402

Table 851: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0102104	0.0786289	0.1298560	0.8975471
L3.Transcription.factors	0.0000000	0.0000000	-0.1747774	0.8624288

Table 852: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2137576	0.1142308	1.871279	0.0710877
L3.Transcription.machinery	-0.0000003	0.0000002	-2.073867	0.0467719

Table 853: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0113812	0.0595531	0.1911107	0.8497264
L3.Transcription.related.proteins	-0.0000008	0.0000019	-0.4051344	0.6882534

Table 854: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0361144	0.1199356	-0.3011148	0.7654042
L3.Translation.factors	0.0000001	0.0000002	0.3349901	0.7399636

Table 855: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.036989	0.1078754	-0.3428863	0.7340751
L3.Translation.proteins	0.000000	0.0000001	0.3925503	0.6974270

Table 856: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0369201	0.0855536	-0.4315435	0.6691588
L3.Transporters	0.0000000	0.0000000	0.5458890	0.5891789

Table 857: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0698326	0.0841386	0.8299713	0.4131111
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000007	0.0000006	-1.0521096	0.3011504

Table 858: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0192807	0.0677931	0.2844047	0.7780542
L3.Tryptophan.metabolism	-0.0000001	0.0000002	-0.4492429	0.6564852

Table 859: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0752809	0.1310428	-0.574476	0.5699288
L3.Tuberculosis	0.0000007	0.0000011	0.626568	0.5356816

Table 860: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0266277	0.077965	0.3415334	0.7350829
L3.Two.component.system	0.0000000	0.000000	-0.4617376	0.6476004

Table 861: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041959	0.1306070	-0.0321262	0.9745842
L3.Type.I.diabetes.mellitus	0.0000001	0.0000029	0.0351053	0.9722283

Table 862: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029185	0.1073061	-0.0271981	0.9784818
L3.Type.II.diabetes.mellitus	0.0000001	0.0000021	0.0312142	0.9753054

Table 863: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348795	0.0872790	0.3996325	0.6922583
L3.Tyrosine.metabolism	-0.0000001	0.0000002	-0.4999107	0.6207851

Table 864: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0448513	0.0684998	0.6547657	0.5176077
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	-0.0000002	0.0000002	-1.0005851	0.3250302

Table 865: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0061648	0.0642103	0.0960094	0.9241516
L3.Ubiquitin.system	-0.0000005	0.0000027	-0.1675928	0.8680283

Table 866: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 867: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0858896	0.1116414	-0.7693345	0.4477100
L3.Valine..leucine.and.isoleucine.biosynthesis	0.0000001	0.0000002	0.8694152	0.3915231

Table 868: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0357661	0.0815773	0.4384317	0.6642145
L3.Valine..leucine.and.isoleucine.degradation	-0.0000001	0.0000002	-0.5718158	0.5717068

Table 869: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0320197	0.0594889	-0.5382472	0.5943778
L3.Various.types.of.N.glycan.biosynthesis	0.0320197	0.0295147	1.0848718	0.2866199

Table 870: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 871: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0180893	0.0537924	-0.3362807	0.7390001
L3.Vasopressin.regulated.water.reabsorption	0.0723574	0.0621141	1.1649107	0.2532348

Table 872: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0102082	0.0580414	0.1758775	0.8615720
L3.Vibrio.cholerae.infection	-0.0142027	0.0344185	-0.4126465	0.6827999

Table 873: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0374788	0.0830627	0.4512111	0.6550823
L3.Vibrio.cholerae.pathogenic.cycle	-0.0000006	0.0000010	-0.5812367	0.5654227

Table 874: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.Viral.myocarditis	0.0035903	0.0019933	1.8011462	0.0817402

Table 875: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0829061	0.0897268	0.9239839	0.3628674
L3.Vitamin.B6.metabolism	-0.0000005	0.0000005	-1.1291038	0.2678021

Table 876: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0107154	0.0566370	0.1891935	0.8512153
L3.Wnt.signaling.pathway	-0.0428614	0.0856271	-0.5005591	0.6203341

Table 877: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0467617	0.0782166	-0.5978490	0.5544274
L3.Xylene.degradation	0.0000007	0.0000009	0.8015445	0.4291199

Table 878: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1252496	0.1321469	0.9478057	0.3508012
L3.Zeatin.biosynthesis	-0.0000030	0.0000029	-1.0300658	0.3112127

Table 879: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119504	0.0584136	0.2045822	0.8392803
L3.alpha.Linolenic.acid.metabolism	-0.0000009	0.0000020	-0.4653268	0.6450577

Table 880: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0516604	0.0739231	0.6988394	0.4900351
L3.beta.Alanine.metabolism	-0.0000003	0.0000003	-0.9801158	0.3348674

Table 881: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0448943	0.0936885	-0.4791873	0.6352800
L3.beta.Lactam.resistance	0.0000021	0.0000036	0.5778721	0.5676631

Table 882: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 883: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.051798	0	1

Table 884: diversity_vs_picrust_L3_neo: wunifrac.PC.1 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0426346	0.0553373	-0.7704482	0.4470594
L3.p53.signaling.pathway	0.0035903	0.0019933	1.8011462	0.0817402

Table 885: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016622	0.0252113	0.0659317	0.9478696
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	-0.0000020	0.0000056	-0.3526721	0.7268001

Table 886: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0135583	0.037764	0.359027	0.7220895
L3.ABC.transporters	0.0000000	0.000000	-0.474990	0.6382340

Table 887: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 888: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0648263	0.0378712	1.711757	0.0972627
L3.Adipocytokine.signaling.pathway	-0.0000014	0.0000007	-2.159492	0.0389316

Table 889: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0453763	0.0293418	1.546472	0.1324757
L3.African.trypanosomiasis	-0.0000062	0.0000025	-2.436731	0.0209677

Table 890: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0218744	0.0531927	0.4112291	0.6838275
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000000	0.0000001	-0.4644753	0.6456606

Table 891: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016307	0.0251589	0.0648170	0.9487497
L3.Aldosterone.regulated.sodium.reabsorption	-0.0521832	0.1423202	-0.3666606	0.7164457

Table 892: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0135953	0.0450723	0.3016321	0.7650136
L3.Alzheimer.s.disease	-0.0000003	0.0000009	-0.3610044	0.7206260

Table 893: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0167530	0.0369724	0.4531220	0.6537213
L3.Amino.acid.metabolism	-0.0000001	0.0000001	-0.6082862	0.5475759

Table 894: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0178381	0.0537611	-0.3318026	0.7423453
L3.Amino.acid.related.enzymes	0.0000000	0.0000000	0.3738091	0.7111753

Table 895: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0126016	0.0522823	0.2410304	0.8111713
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000000	0.0000000	-0.2737520	0.7861512

Table 896: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0572109	0.0559997	-1.021629	0.3151246
L3.Aminoacyl.tRNA.biosynthesis	0.0000001	0.0000001	1.133981	0.2657830

Table 897: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0416747	0.0341784	1.219331	0.2322191
L3.Aminobenzoate.degradation	-0.0000003	0.0000002	-1.693005	0.1008158

Table 898: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0189202	0.0321658	0.5882091	0.5607944
L3.Amoebiasis	-0.0000050	0.0000055	-0.9070083	0.3716305

Table 899: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0271733	0.0279808	0.9711406	0.3392436
L3.Amyotrophic.lateral.sclerosis..ALS.	-0.0000015	0.0000008	-1.8027924	0.0814754

Table 900: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039803	0.0419925	-0.0947862	0.9251149
L3.Antigen.processing.and.presentation	0.0000002	0.0000014	0.1174897	0.9072551

Table 901: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0084142	0.0293320	-0.2868623	0.7761897
L3.Apoptosis	0.0000012	0.0000022	0.5319672	0.5986666

Table 902: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0249609	0.0347591	0.7181092	0.4782455
L3.Arachidonic.acid.metabolism	-0.0000006	0.0000006	-1.0086029	0.3212314

Table 903: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0235171	0.0424987	0.5533596	0.5841180
L3.Arginine.and.proline.metabolism	0.0000000	0.0000000	-0.6790133	0.5023348

Table 904: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 905: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0211983	0.0304174	0.6969131	0.4912226
L3.Ascorbate.and.aldarate.metabolism	-0.0000001	0.0000001	-1.1571543	0.2563402

Table 906: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0186146	0.0264889	0.7027327	0.4876400
L3.Atrazine.degradation	-0.0000011	0.0000007	-1.6053541	0.1188927

Table 907: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0101762	0.0369630	-0.2753071	0.7849677
L3.Bacterial.chemotaxis	0.0000000	0.0000001	0.3708067	0.7133871

Table 908: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0042938	0.0261998	0.1638868	0.8709194
L3.Bacterial.invasion.of.epithelial.cells	-0.0000036	0.0000072	-0.4942614	0.6247216

Table 909: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0028243	0.0355346	0.0794803	0.9371784
L3.Bacterial.motility.proteins	0.0000000	0.0000000	-0.1110327	0.9123299

Table 910: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0246038	0.035501	0.6930457	0.4936117
L3.Bacterial.secretion.system	0.0000000	0.000000	-0.9558315	0.3467968

Table 911: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0707289	0.0552688	-1.279725	0.2104503
L3.Bacterial.toxins	0.0000005	0.0000004	1.420974	0.1656361

Table 912: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0092460	0.0262665	-0.3520090	0.7272923
L3.Basal.transcription.factors	0.0000108	0.0000112	0.9617959	0.3438408

Table 913: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0183039	0.0539955	-0.3389892	0.7369793
L3.Base.excision.repair	0.0000000	0.0000001	0.3814512	0.7055569

Table 914: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0130094	0.0335621	0.3876232	0.7010315
L3.Benzoate.degradation	-0.0000001	0.0000001	-0.5720867	0.5715256

Table 915: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0109709	0.0256271	0.428096	0.6716390
L3.Betalain.biosynthesis	-0.0000791	0.0000616	-1.284672	0.2087382

Table 916: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0082240	0.0274847	0.2992208	0.7668348
L3.Bile.secretion	-0.0012072	0.0017898	-0.6744793	0.5051715

Table 917: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0212742	0.0283486	0.7504477	0.4588310
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000003	0.0000002	-1.4144586	0.1675228

Table 918: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010873	0.0251902	-0.0431627	0.9658578
L3.Biosynthesis.of.12...14..and.16.membered.macrolides	0.0347929	0.1424972	0.2441652	0.8087650

Table 919: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0131987	0.0355190	0.3715944	0.7128065
L3.Biosynthesis.of.ansamycins	-0.0000001	0.0000002	-0.5172543	0.6087717

Table 920: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0206699	0.0277582	0.7446416	0.4622821
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	-0.0000003	0.0000002	-1.4754656	0.1505066

Table 921: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 922: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0113229	0.0257353	0.4399753	0.6631086
L3.Biosynthesis.of.type.II.polyketide.products	-0.0000790	0.0000618	-1.2799341	0.2103779

Table 923: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0299457	0.0326521	0.9171139	0.3663974
L3.Biosynthesis.of.unsaturated.fatty.acids	-0.0000002	0.0000002	-1.3584829	0.1844387

Table 924: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0102197	0.054417	-0.1878027	0.8522959
L3.Biosynthesis.of.vancomycin.group.antibiotics	0.0000002	0.000001	0.2109868	0.8343242

Table 925: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0066766	0.0439572	-0.1518887	0.8802916
L3.Biotin.metabolism	0.0000001	0.0000003	0.1839771	0.8552693

Table 926: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0036857	0.0481760	-0.0765055	0.9395249
L3.Bisphenol.degradation	0.0000001	0.0000009	0.0892570	0.9294709

Table 927: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0202569	0.0266086	0.7612916	0.4524261
L3.Bladder.cancer	-0.0000044	0.0000026	-1.6814969	0.1030497

Table 928: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.020855	0.039475	0.5283083	0.6011721
L3.Butanoate.metabolism	0.000000	0.000000	-0.6760620	0.5041802

Table 929: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0462427	0.0632666	0.7309168	0.4705005
L3.Butirosin.and.neomycin.biosynthesis	-0.0000010	0.0000012	-0.7931272	0.4339320

Table 930: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239571	0.0473403	0.5060604	0.6165130
L3.C5.Branched.dibasic.acid.metabolism	-0.0000001	0.0000002	-0.5929703	0.5576451

Table 931: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 932: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0036305	0.0272468	-0.1332452	0.8948892
L3.Caffeine.metabolism	0.0044683	0.0139544	0.3202088	0.7510297

Table 933: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0210894	0.0267649	0.7879508	0.4369075
L3.Calcium.signaling.pathway	-0.0337431	0.0198805	-1.6972980	0.0999929

Table 934: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0221617	0.0284688	0.7784556	0.4423975
L3.Caprolactam.degradation	-0.0000004	0.0000003	-1.4465955	0.1583786

Table 935: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0318683	0.0347358	0.9174474	0.3662255
L3.Carbohydrate.digestion.and.absorption	-0.0000015	0.0000012	-1.2773786	0.2112662

Table 936: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0468471	0.0398715	1.174953	0.2492552
L3.Carbohydrate.metabolism	-0.0000003	0.0000002	-1.470305	0.1518904

Table 937: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0192056	0.0444928	0.4316562	0.6690778
L3.Carbon.fixation.in.photosynthetic.organisms	0.0000000	0.0000001	-0.5190408	0.6075404

Table 938: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0159714	0.0462782	0.3451178	0.7324139
L3.Carbon.fixation.pathways.in.prokaryotes	0.0000000	0.0000000	-0.4084323	0.6858571

Table 939: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119404	0.0260402	0.4585352	0.6498726
L3.Cardiac.muscle.contraction	-0.0000193	0.0000155	-1.2427536	0.2235848

Table 940: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0009044	0.0284314	0.0318107	0.9748337
L3.Carotenoid.biosynthesis	-0.0000003	0.0000040	-0.0651875	0.9484571

Table 941: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 942: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0504501	0.0601068	-0.8393404	0.4079173
L3.Cell.cycle. . . Caulobacter	0.0000001	0.0000001	0.9189836	0.3654344

Table 943: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Cell.cycle. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 944: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0294860	0.0400934	0.7354332	0.4677868
L3.Cell.division	-0.0000005	0.0000005	-0.9283790	0.3606209

Table 945: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.59e-05	0.0411688	0.0013578	0.9989256
L3.Cell.motility.and.secretion	0.00e+00	0.0000002	-0.0017018	0.9986535

Table 946: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0615209	0.0368594	1.669068	0.1055087
L3.Cellular.antigens	-0.0000014	0.0000007	-2.142627	0.0403762

Table 947: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0418031	0.0283379	1.475166	0.1505867
L3.Chagas.disease..American.trypanosomiasis.	-0.0000062	0.0000025	-2.454358	0.0201343

Table 948: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0261225	0.047306	0.5522019	0.5849008
L3.Chaperones.and.folding.catalysts	0.0000000	0.000000	-0.6469453	0.5225870

Table 949: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0330009	0.0485448	0.6798027	0.5018418
L3.Chloroalkane.and.chloroalkene.degradation	-0.0000002	0.0000003	-0.7881618	0.4367859

Table 950: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0327881	0.0291992	1.122913	0.2703809
L3.Chlorocyclohexane.and.chlorobenzene.degradation	-0.0000024	0.0000013	-1.886775	0.0689020

Table 951: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 952: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041308	0.0511315	-0.0807870	0.9361479
L3.Chromosome	0.0000000	0.0000000	0.0923974	0.9269966

Table 953: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119913	0.0261733	0.4581491	0.6501468
L3.Chronic.myeloid.leukemia	-0.0479651	0.0395703	-1.2121486	0.2349159

Table 954: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0061551	0.0268635	0.2291248	0.8203268
L3.Circadian.rhythm...plant	-0.0042818	0.0073800	-0.5801925	0.5661175

Table 955: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0295303	0.0377605	0.7820433	0.4403183
L3.Citrate.cycle..TCA.cycle.	-0.0000001	0.0000001	-1.0245563	0.3137636

Table 956: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 957: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.Colorectal.cancer	0.0001401	0.0009887	0.1417376	0.8882349

Table 958: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 959: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0474031	0.0407551	1.163121	0.253949
L3.Cyanoamino.acid.metabolism	-0.0000002	0.0000001	-1.439221	0.160441

Table 960: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0007068	0.0468442	0.0150875	0.9880623
L3.Cysteine.and.methionine.metabolism	0.0000000	0.0000000	-0.0177892	0.9859248

Table 961: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041635	0.0248459	-0.1675715	0.8680449
L3.Cytochrome.P450	0.1332306	0.1405494	0.9479277	0.3507401

Table 962: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 963: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 964: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0737534	0.0508356	-1.450824	0.1572056
L3.Cytoskeleton.proteins	0.0000004	0.0000002	1.641370	0.1111646

Table 965: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 966: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0487407	0.0509001	-0.9575768	0.3459301
L3.D.Alanine.metabolism	0.0000005	0.0000004	1.0903237	0.2842510

Table 967: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0389208	0.0218606	-1.780406	0.0851404
L3.D.Arginine.and.D.ornithine.metabolism	0.0000096	0.0000023	4.162337	0.0002440

Table 968: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0191399	0.0519075	-0.3687317	0.7149172

158

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Glutamine.and.D.glutamate.metabolism	0.0000001	0.0000003	0.4194651	0.6778649

Table 969: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0206161	0.0556747	-0.3702957	0.7137638
L3.DNA.repair.and.recombination.proteins	0.0000000	0.0000000	0.4133797	0.6822685

Table 970: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0482248	0.0594541	-0.8111260	0.4236821
L3.DNA.replication	0.0000001	0.0000001	0.8902008	0.3804417

Table 971: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0161627	0.0581656	-0.2778734	0.7830156
L3.DNA.replication.proteins	0.0000000	0.0000001	0.3071381	0.7608602

Table 972: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 973: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0161201	0.0342985	0.4699932	0.6417586
L3.Dioxin.degradation	-0.0000002	0.0000003	-0.6753881	0.5046022

Table 974: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Drug.metabolism. . . cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0360718	0.0305780	1.179663	0.2474049
L3.Drug.metabolism. . . cytochrome.P450	-0.0000007	0.0000004	-1.845840	0.0748050

Table 975: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Drug.metabolism...other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0116236	0.0537816	-0.2161263	0.8303521
L3.Drug.metabolism...other.enzymes	0.0000000	0.0000002	0.2435507	0.8092366

Table 976: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 977: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0232327	0.0307199	0.7562754	0.4553822
L3.Electron.transfer.carriers	-0.0000004	0.0000003	-1.2290829	0.2285945

Table 978: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 979: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0063836	0.0258139	0.2472924	0.8063665
L3.Endocytosis	-0.0060081	0.0074909	-0.8020450	0.4288348

Table 980: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0163055	0.0413631	0.3942052	0.6962178
L3.Energy.metabolism	0.0000000	0.0000000	-0.4916551	0.6265414

Table 981: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0073912	0.0448177	-0.1649180	0.8701147
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	0.0000001	0.0000005	0.1980001	0.8443806

Table 982: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 983: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0249206	0.0302029	-0.8251061	0.4158244
L3.Ether.lipid.metabolism	0.0000172	0.0000126	1.3668971	0.1818142

Table 984: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0419597	0.0384873	1.090221	0.2842955
L3.Ethylbenzene.degradation	-0.0000014	0.0000010	-1.396387	0.1728450

Table 985: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 986: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0026014	0.0508854	0.0511229	0.9595665
L3.Fatty.acid.biosynthesis	0.0000000	0.0000001	-0.0585591	0.9536916

Table 987: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 988: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348468	0.0370585	0.9403183	0.3545646
L3.Fatty.acid.metabolism	-0.0000001	0.0000001	-1.2417540	0.2239483

Table 989: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 990: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0063836	0.0258139	0.2472924	0.8063665
L3.Fc.gamma.R.mediated.phagocytosis	-0.0060081	0.0074909	-0.8020450	0.4288348

Table 991: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039294	0.0312844	-0.1256032	0.9008840
L3.Flagellar.assembly	0.0000000	0.0000001	0.2060574	0.8381381

Table 992: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0032387	0.0311159	0.1040850	0.9177946
L3.Flavone.and.flavonol.biosynthesis	-0.0000007	0.0000038	-0.1724095	0.8642735

Table 993: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023134	0.0256740	0.0901058	0.9288021
L3.Flavonoid.biosynthesis	-0.0000021	0.0000061	-0.3425260	0.7343434

Table 994: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0174608	0.0259734	0.6722582	0.5065644
L3.Fluorobenzoate.degradation	-0.0000012	0.0000007	-1.6607627	0.1071789

Table 995: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 996: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0059286	0.0517310	0.1146037	0.9095229
L3.Folate.biosynthesis	0.0000000	0.0000001	-0.1306057	0.8969591

Table 997: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.01864	0.042505	0.4385358	0.6641399
L3.Fructose.and.mannose.metabolism	0.00000	0.000000	-0.5388438	0.5939711

Table 998: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0233387	0.0375163	0.6220941	0.5385797
L3.Function.unknown	0.0000000	0.0000000	-0.8225195	0.4172714

Table 999: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1000: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1001: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.034924	0.0528097	0.6613178	0.5134560
L3.Galactose.metabolism	0.000000	0.0000001	-0.7472731	0.4607161

Table 1002: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1003: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0075592	0.0479183	0.1577512	0.8757099
L3.General.function.prediction.only	0.0000000	0.0000000	-0.1843742	0.8549606

Table 1004: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0290478	0.0292566	0.9928643	0.3287172
L3.Geraniol.degradation	-0.0000004	0.0000002	-1.6946208	0.1005054

Table 1005: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0086902	0.0278411	-0.3121354	0.7570968

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Germination	0.0000022	0.0000033	0.6699318	0.5080255

Table 1006: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1007: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0384094	0.0526937	0.7289175	0.4717047
L3.Glutamatergic.synapse	-0.0000005	0.0000006	-0.8237135	0.4166030

Table 1008: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0297789	0.0387106	0.7692683	0.4477488
L3.Glutathione.metabolism	-0.0000001	0.0000001	-0.9914629	0.3293895

Table 1009: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1010: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0199557	0.0307210	0.6495787	0.5209074
L3.Glycan.biosynthesis.and.metabolism	-0.0000004	0.0000004	-1.0661765	0.2948495

Table 1011: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0081025	0.0431594	0.1877346	0.8523487
L3.Glycerolipid.metabolism	0.0000000	0.0000001	-0.2293688	0.8201389

Table 1012: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147337	0.0435168	0.3385761	0.7372874
L3.Glycerophospholipid.metabolism	0.0000000	0.0000001	-0.4116227	0.6835421

Table 1013: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0223432	0.0460472	0.4852234	0.6310426
L3.Glycine..serine.and.threonine.metabolism	0.0000000	0.0000001	-0.5747723	0.5697310

Table 1014: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycolysis...Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0182966	0.0480485	0.3807939	0.7060395
L3.Glycolysis...Gluconeogenesis	0.0000000	0.0000000	-0.4441824	0.6600984

Table 1015: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0000377	0.0254981	0.0014784	0.9988302
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	-0.0001508	0.0233987	-0.0064440	0.9949011

Table 1016: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0370920	0.0404242	0.9175707	0.3661619
L3.Glycosaminoglycan.degradation	-0.0000005	0.0000004	-1.1479188	0.2600738

Table 1017: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0556669	0.0375096	1.484069	0.1482223
L3.Glycosphingolipid.biosynthesis...ganglio.series	-0.0000012	0.0000006	-1.901246	0.0669137

Table 1018: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosphingolipid.biosynthesis. . . globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0728913	0.0400710	1.819052	0.0788985
L3.Glycosphingolipid.biosynthesis. . . globo.series	-0.0000009	0.0000004	-2.221356	0.0340194

Table 1019: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0108079	0.0240301	0.4497661	0.6561122
L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series	-0.0000790	0.0000405	-1.9491737	0.0606786

Table 1020: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1021: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0123464	0.0458794	0.2691067	0.7896898
L3.Glycosyltransferases	0.0000000	0.0000001	-0.3197369	0.7513839

Table 1022: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.021081	0.0370777	0.5685621	0.5738852
L3.Glyoxylate.and.dicarboxylate.metabolism	0.000000	0.0000001	-0.7594896	0.4534867

Table 1023: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0063836	0.0258139	0.2472924	0.8063665
L3.GnRH.signaling.pathway	-0.0060081	0.0074909	-0.8020450	0.4288348

Table 1024: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1025: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1026: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1027: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0095489	0.0533522	-0.1789783	0.8591580
L3.Histidine.metabolism	0.0000000	0.0000001	0.2021475	0.8411661

Table 1028: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0376751	0.0579343	-0.6503072	0.5204433
L3.Homologous.recombination	0.0000000	0.0000001	0.7183235	0.4781153

Table 1029: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0231958	0.0433789	0.5347238	0.5967822
L3.Huntington.s.disease	-0.0000005	0.0000008	-0.6497783	0.5207802

Table 1030: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0036579	0.0257241	0.1421959	0.8878759

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0009440	0.0018451	-0.5116060	0.6126722

Table 1031: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010535	0.0287148	0.0366875	0.9709773
L3.Indole.alkaloid.biosynthesis	-0.0018728	0.0256833	-0.0729206	0.9423533

Table 1032: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.Influenza.A	0.0001401	0.0009887	0.1417376	0.8882349

Table 1033: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0376690	0.0330360	1.140240	0.2632079
L3.Inorganic.ion.transport.and.metabolism	-0.0000001	0.0000001	-1.642077	0.1110171

Table 1034: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0293062	0.0313117	0.9359486	0.3567733
L3.Inositol.phosphate.metabolism	-0.0000002	0.0000002	-1.4559869	0.1557827

Table 1035: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0447270	0.0491898	0.9092741	0.3704530
L3.Insulin.signaling.pathway	-0.0000007	0.0000007	-1.0468636	0.3035241

Table 1036: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0172314	0.0433210	0.3977608	0.6936229

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Ion.channels	-0.0000005	0.0000009	-0.4843739	0.6316382

Table 1037: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0030589	0.0257142	0.1189590	0.9061008
L3.Isoflavonoid.biosynthesis	-0.0016591	0.0038030	-0.4362572	0.6657737

Table 1038: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0136842	0.0377625	0.3623746	0.7196125
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000003	0.0000006	-0.4794088	0.6351243

Table 1039: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1040: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1041: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0352383	0.0345105	1.021089	0.3153761
L3.Limonene.and.pinene.degradation	-0.0000004	0.0000003	-1.422170	0.1652914

Table 1042: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0269473	0.0500071	-0.5388695	0.5939536
L3.Linoleic.acid.metabolism	0.0000007	0.0000012	0.6194291	0.5403099

Table 1043: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.017982	0.0486915	0.3693049	0.7144944
L3.Lipid.biosynthesis.proteins	0.000000	0.0000001	-0.4287906	0.6711390

Table 1044: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0184752	0.0358116	0.5159004	0.6097056
L3.Lipid.metabolism	-0.0000001	0.0000002	-0.7102085	0.4830595

Table 1045: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0562765	0.0408986	1.375999	0.1790079
L3.Lipoic.acid.metabolism	-0.0000011	0.0000007	-1.688955	0.1015972

Table 1046: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.00606	0.0344818	0.1757439	0.8616761
L3.Lipopolysaccharide.biosynthesis	0.00000	0.0000001	-0.2528575	0.8021029

Table 1047: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181342	0.0359975	0.5037621	0.6181080
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000000	0.0000001	-0.6905953	0.4951288

Table 1048: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1049: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1050: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.007893	0.0546276	-0.1444873	0.8860820
L3.Lysine.biosynthesis	0.000000	0.0000001	0.1621734	0.8722567

Table 1051: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0222646	0.0338397	0.6579429	0.5155922
L3.Lysine.degradation	-0.0000001	0.0000002	-0.9517564	0.3488262

Table 1052: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0516184	0.0399801	1.291102	0.2065288
L3.Lysosome	-0.0000005	0.0000003	-1.607348	0.1184535

Table 1053: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1054: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0063676	0.0519097	0.1226668	0.9031890
L3.MAPK.signaling.pathway. . . yeast	-0.0000001	0.0000010	-0.1396497	0.8898701

Table 1055: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1056: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0149035	0.0272314	0.5472908	0.5882276
L3.Meiosis. . . yeast	-0.0000047	0.0000039	-1.2014089	0.2389918

Table 1057: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0109140	0.0256151	0.4260758	0.6730942
L3.Melanogenesis	-0.0000791	0.0000616	-1.2838071	0.2090369

Table 1058: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0384050	0.0357311	1.074835	0.2910178
L3.Membrane.and.intracellular.structural.molecules	-0.0000001	0.0000000	-1.450399	0.1573232

Table 1059: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0176544	0.0363597	0.4855477	0.6308153
L3.Metabolism.of.cofactors.and.vitamins	-0.0000001	0.0000002	-0.6602766	0.5141145

Table 1060: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0356163	0.0301845	1.179952	0.2472915
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	-0.0000007	0.0000004	-1.877349	0.0702245

Table 1061: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0091583	0.050611	0.1809547	0.8576201
L3.Methane.metabolism	0.0000000	0.000000	-0.2075853	0.8369556

Table 1062: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020687	0.0306075	0.0675880	0.9465621
L3.Mineral.absorption	-0.0000012	0.0000102	-0.1154357	0.9088690

Table 1063: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0449706	0.0581169	-0.7737952	0.4451072
L3.Mismatch.repair	0.0000001	0.0000001	0.8534932	0.4001495

Table 1064: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0224737	0.0328158	-0.6848446	0.4986994
L3.N.Glycan.biosynthesis	0.0000016	0.0000016	1.0239282	0.3140553

Table 1065: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024883	0.0431430	-0.0576754	0.9543896
L3.NOD.like.receptor.signaling.pathway	0.0000001	0.0000014	0.0705070	0.9442581

Table 1066: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0550869	0.0495181	1.112460	0.2747757
L3.Naphthalene.degradation	-0.0000004	0.0000003	-1.274645	0.2122196

Table 1067: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1068: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1069: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0281256	0.0489759	0.5742744	0.5700634
L3.Nicotinate.and.nicotinamide.metabolism	-0.0000001	0.0000001	-0.6644727	0.5114633

Table 1070: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0301728	0.0412718	0.7310761	0.4704046
L3.Nitrogen.metabolism	0.0000000	0.0000000	-0.9081349	0.3710448

Table 1071: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039331	0.0350137	-0.1123304	0.9113097
L3.Nitrotoluene.degradation	0.0000001	0.0000004	0.1591760	0.8745970

Table 1072: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0084190	0.0283287	0.2971915	0.7683684
L3.Non.homologous.end.joining	-0.0000074	0.0000123	-0.6044719	0.5500746

Table 1073: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119913	0.0261733	0.4581491	0.6501468
L3.Notch.signaling.pathway	-0.0479651	0.0395703	-1.2121486	0.2349159

Table 1074: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.005236	0.0457313	-0.1144946	0.9096086
L3.Novobiocin.biosynthesis	0.000000	0.0000004	0.1362966	0.8924973

Table 1075: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0507498	0.0621893	-0.8160542	0.4209018
L3.Nucleotide.excision.repair	0.0000002	0.0000002	0.8878456	0.3816870

Table 1076: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0165886	0.0325421	0.5097574	0.6139513
L3.Nucleotide.metabolism	-0.0000002	0.0000002	-0.7774990	0.4429528

Table 1077: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1078: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.024936	0.0586055	-0.4254889	0.6735172
L3.One.carbon.pool.by.folate	0.000000	0.0000001	0.4693092	0.6422417

Table 1079: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1080: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0590622	0.0426925	1.383433	0.1767411
L3.Other.glycan.degradation	-0.0000002	0.0000001	-1.664685	0.1063873

Table 1081: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0258454	0.0386818	0.6681538	0.5091438
L3.Other.ion.coupled.transporters	0.0000000	0.0000000	-0.8637763	0.3945646

Table 1082: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0220701	0.0399231	0.5528151	0.5844861
L3.Other.transporters	-0.0000001	0.0000001	-0.7021874	0.4879750

Table 1083: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1084: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0214141	0.0453518	0.4721780	0.6402165
L3.Others	0.0000000	0.0000000	-0.5628894	0.5776931

Table 1085: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0236925	0.0497082	0.4766312	0.6370783
L3.Oxidative.phosphorylation	0.0000000	0.0000000	-0.5491939	0.5869374

Table 1086: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0946445	0.0495411	1.910426	0.0656782
L3.PPAR.signaling.pathway	-0.0000013	0.0000006	-2.159265	0.0389507

Table 1087: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1088: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1089: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079737	0.0512768	-0.1555022	0.8774670
L3.Pantothenate.and.CoA.biosynthesis	0.0000000	0.0000001	0.1776746	0.8601728

Table 1090: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0121582	0.0261125	0.4656085	0.6448584
L3.Parkinson.s.disease	-0.0000193	0.0000155	-1.2409178	0.2242527

Table 1091: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0180766	0.0234532	0.770753	0.4468813
L3.Pathogenic.Escherichia.coli.infection	-0.0128545	0.0049273	-2.608836	0.0140305

Table 1092: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0133574	0.0394342	-0.3387260	0.7371756
L3.Pathways.in.cancer	0.0000004	0.0000009	0.4349811	0.6666894

Table 1093: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0046450	0.0400687	0.1159263	0.9084835
L3.Penicillin.and.cephalosporin.biosynthesis	-0.0000001	0.0000009	-0.1476275	0.8836245

Table 1094: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0318541	0.0348320	0.9145074	0.3677425
L3.Pentose.and.glucuronate.interconversions	-0.0000001	0.0000001	-1.2703378	0.2137285

Table 1095: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0136248	0.0458890	0.2969083	0.7685826
L3.Pentose.phosphate.pathway	0.0000000	0.0000001	-0.3526852	0.7267904

Table 1096: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010818	0.0510793	0.0211783	0.9832437
L3.Peptidases	0.0000000	0.0000000	-0.0242306	0.9808291

Table 1097: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0200114	0.0558222	-0.3584836	0.7224919
L3.Peptidoglycan.biosynthesis	0.0000000	0.0000001	0.3999512	0.6920261

Table 1098: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0731289	0.0453189	1.613651	0.1170742
L3.Peroxisome	-0.0000005	0.0000003	-1.886190	0.0689835

Table 1099: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0202989	0.0274254	0.740149	0.464963
L3.Pertussis	-0.0000002	0.0000001	-1.513400	0.140643

Table 1100: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1101: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0235189	0.0319144	0.7369376	0.4668849
L3.Phenylalanine.metabolism	-0.0000001	0.0000001	-1.1367939	0.2646236

Table 1102: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016857	0.0520243	0.0324014	0.9743665
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000000	0.0000001	-0.0368666	0.9708356

Table 1103: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0540910	0.0368570	1.467589	0.1526226
L3.Phenylpropanoid.biosynthesis	-0.0000004	0.0000002	-1.901992	0.0668126

Table 1104: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0253279	0.0542832	0.4665876	0.6441656
L3.Phosphatidylinositol.signaling.system	-0.0000003	0.0000005	-0.5240020	0.6041273

Table 1105: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0236670	0.0420734	0.5625166	0.5779437
L3.Phosphonate.and.phosphinate.metabolism	-0.0000003	0.0000005	-0.6937039	0.4932047

Table 1106: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0049443	0.0360075	0.1373144	0.8916997
L3.Phosphotransferase.system..PTS.	0.0000000	0.0000000	-0.1894208	0.8510388

Table 1107: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0725312	0.0598919	-1.211034	0.2353367
L3.Photosynthesis	0.0000003	0.0000002	1.323114	0.1957939

Table 1108: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Photosynthesis. . . antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0214593	0.0275618	0.7785885	0.4423203
L3.Photosynthesis. . . antenna.proteins	-0.0018660	0.0011980	-1.5576369	0.1298073

Table 1109: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0617412	0.0591621	-1.043595	0.3050099
L3.Photosynthesis.proteins	0.0000002	0.0000002	1.144537	0.2614507

Table 1110: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1111: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Phototransduction. . . fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1112: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0191256	0.0484712	-0.3945767	0.6959466
L3.Plant.pathogen.interaction	0.0000002	0.0000004	0.4587899	0.6496918

Table 1113: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0526388	0.0571371	-0.9212732	0.3642575
L3.Polycyclic.aromatic.hydrocarbon.degradation	0.0000006	0.0000006	1.0188428	0.3164242

Table 1114: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0478547	0.0512570	0.9336226	0.3579527
L3.Polyketide.sugar.unit.biosynthesis	-0.0000003	0.0000003	-1.0611798	0.2970769

Table 1115: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0303415	0.0342442	0.8860337	0.3826469
L3.Pores.ion.channels	-0.0000001	0.0000001	-1.2519966	0.2202447

Table 1116: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0256736	0.0403255	-0.6366589	0.5291755
L3.Porphyrin.and.chlorophyll.metabolism	0.0000000	0.0000000	0.8026303	0.4285015

Table 1117: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114043	0.0572098	-0.1993417	0.8433404
L3.Prenyltransferases	0.0000000	0.0000002	0.2212019	0.8264339

Table 1118: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0655647	0.0472302	1.388195	0.1753011
L3.Primary.bile.acid.biosynthesis	-0.0000030	0.0000018	-1.607481	0.1184244

Table 1119: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016308	0.0553442	0.0294672	0.9766871
L3.Primary.immunodeficiency	0.0000000	0.0000009	-0.0329677	0.9739187

Table 1120: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0251149	0.0284288	0.8834295	0.3840292
L3.Prion.diseases	-0.0000038	0.0000024	-1.6158616	0.1165936

Table 1121: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039803	0.0419925	-0.0947862	0.9251149
L3.Progesterone.mediated.oocyte.maturation	0.0000002	0.0000014	0.1174897	0.9072551

Table 1122: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0202983	0.0420062	0.4832208	0.6324471
L3.Propanoate.metabolism	0.0000000	0.0000001	-0.5970554	0.5549501

Table 1123: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0073225	0.0410125	0.1785439	0.8594961
L3.Prostate.cancer	-0.0000003	0.0000013	-0.2241583	0.8241537

Table 1124: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0386555	0.0565795	0.6832078	0.4997183
L3.Proteasome	-0.0000013	0.0000018	-0.7585512	0.4540397

Table 1125: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0416294	0.0340704	1.221866	0.2312729
L3.Protein.digestion.and.absorption	-0.0000024	0.0000014	-1.700893	0.0993081

Table 1126: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0339809	0.0573432	-0.5925873	0.5578981
L3.Protein.export	0.0000001	0.0000001	0.6562722	0.5166515

Table 1127: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0233604	0.0433627	0.5387202	0.5940553
L3.Protein.folding.and.associated.processing	0.0000000	0.0000001	-0.6547184	0.5176377

Table 1128: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0361541	0.0376322	0.9607233	0.3443711
L3.Protein.kinases	-0.0000001	0.0000001	-1.2542230	0.2194458

Table 1129: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0299615	0.0453178	0.6611415	0.5135674
L3.Protein.processing.in.endoplasmic.reticulum	-0.0000007	0.0000009	-0.7867680	0.4375891

Table 1130: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147948	0.0318067	0.4651462	0.6451856
L3.Proximal.tubule.bicarbonate.reclamation	-0.0000006	0.0000008	-0.7337202	0.4688149

Table 1131: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.01198	0.0537449	-0.2229055	0.8251198
L3.Purine.metabolism	0.00000	0.0000000	0.2512322	0.8033475

Table 1132: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0298573	0.0569317	-0.5244417	0.6038252
L3.Pyrimidine.metabolism	0.0000000	0.0000000	0.5819632	0.5649396

Table 1133: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0219771	0.0437965	0.5017997	0.6194714
L3.Pyruvate.metabolism	0.0000000	0.0000000	-0.6072785	0.5482354

Table 1134: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0045494	0.0308652	-0.1473956	0.8838060
L3.RIG.I.like.receptor.signaling.pathway	0.0000032	0.0000128	0.2474626	0.8062361

Table 1135: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053577	0.0565905	0.0946757	0.9252020
L3.RNA.degradation	0.0000000	0.0000001	-0.1053423	0.9168054

Table 1136: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0638119	0.0556127	-1.147434	0.2602707
L3.RNA.polymerase	0.0000004	0.0000003	1.274087	0.2124147

Table 1137: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0075373	0.0474745	0.1587652	0.8749178
L3.RNA.transport	-0.0000001	0.0000004	-0.1861997	0.8535415

Table 1138: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs
L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1139: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0136671	0.0308864	-0.4424956	0.6613046
L3.Renal.cell.carcinoma	0.0000013	0.0000018	0.7317589	0.4699938

Table 1140: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0022422	0.0253026	0.0886159	0.9299761
L3.Renin.angiotensin.system	-0.0001216	0.0002868	-0.4240967	0.6745210

Table 1141: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0019467	0.0495077	0.0393219	0.9688943
L3.Replication..recombination.and.repair.proteins	0.0000000	0.0000001	-0.0454438	0.9640547

Table 1142: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0201033	0.0465136	0.4322036	0.6686843
L3.Restriction.enzyme	-0.0000001	0.0000003	-0.5101528	0.6136776

Table 1143: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0470867	0.0339720	1.386046	0.1759497
L3.Retinol.metabolism	-0.0000013	0.0000007	-1.914049	0.0651961

Table 1144: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1145: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110840	0.0405289	0.2734848	0.7863547
L3.Riboflavin.metabolism	-0.0000001	0.0000002	-0.3455173	0.7321166

Table 1146: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.055614	0.0588377	-0.9452101	0.3521028
L3.Ribosome	0.000000	0.0000000	1.0385950	0.3072920

Table 1147: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157248	0.0507681	-0.3097385	0.7589012
L3.Ribosome.Biogenesis	0.0000000	0.0000000	0.3548227	0.7252048

Table 1148: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0071142	0.0534302	0.1331498	0.8949641
L3.Ribosome.biogenesis.in.eukaryotes	-0.0000002	0.0000011	-0.1503384	0.8815039

Table 1149: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1150: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.065807	0.0471261	1.396404	0.1728399
L3.Secondary.bile.acid.biosynthesis	-0.000003	0.0000019	-1.617922	0.1161471

Table 1151: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0226198	0.0359283	0.6295816	0.5337342
L3.Secretion.system	0.0000000	0.0000000	-0.8612654	0.3959237

Table 1152: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0113162	0.0465963	0.2428560	0.8097698
L3.Selenocompound.metabolism	0.0000000	0.0000001	-0.2867881	0.7762460

Table 1153: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1154: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0258843	0.0264995	0.9767847	0.3364871
L3.Shigellosis	-0.0138049	0.0067720	-2.0385466	0.0503933

Table 1155: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0088361	0.0445084	0.1985259	0.8439729
L3.Signal.transduction.mechanisms	0.0000000	0.0000001	-0.2390545	0.8126889

Table 1156: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.Small.cell.lung.cancer	0.0001401	0.0009887	0.1417376	0.8882349

Table 1157: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0672548	0.0410677	1.637658	0.1119413
L3.Sphingolipid.metabolism	-0.0000004	0.0000002	-1.989797	0.0557960

Table 1158: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1159: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0423615	0.0332818	-1.272810	0.2128615
L3.Sporulation	0.0000001	0.0000001	1.803079	0.0814294

Table 1160: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0100978	0.0307156	-0.3287496	0.7446289
L3.Staphylococcus.aureus.infection	0.0000002	0.0000004	0.5527542	0.5845273

Table 1161: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0484688	0.0455901	1.063145	0.2961996
L3.Starch.and.sucrose.metabolism	-0.0000001	0.0000000	-1.254303	0.2194173

Table 1162: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039449	0.0276279	-0.1427874	0.8874128
L3.Steroid.biosynthesis	0.0000734	0.0002276	0.3226463	0.7492011

Table 1163: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0391008	0.0286878	1.362976	0.1830335
L3.Steroid.hormone.biosynthesis	-0.0000023	0.0000010	-2.268065	0.0306871

Table 1164: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016496	0.0267047	0.0617706	0.9511552
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	-0.0000010	0.0000061	-0.1668234	0.8686284

Table 1165: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0580583	0.0505811	1.147826	0.2601115
L3.Streptomycin.biosynthesis	-0.0000002	0.0000002	-1.306198	0.2014120

Table 1166: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0175914	0.0261390	0.6729953	0.5061019
L3.Styrene.degradation	-0.0000006	0.0000004	-1.6252521	0.1145700

Table 1167: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0328395	0.0451309	0.7276497	0.4724692
L3.Sulfur.metabolism	-0.0000001	0.0000001	-0.8666299	0.3930236

Table 1168: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0179842	0.0373597	0.4813794	0.6337397
L3.Sulfur.relay.system	-0.0000001	0.0000001	-0.6406108	0.5266390

Table 1169: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127118	0.0376971	-0.3372085	0.7383077
L3.Synthesis.and.degradation.of.ketone.bodies	0.0000004	0.0000008	0.4468656	0.6581816

Table 1170: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110986	0.0258847	0.4287701	0.6711538
L3.Systemic.lupus.erythematosus	-0.0000754	0.0000619	-1.2176058	0.2328647

Table 1171: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1172: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0207254	0.0483924	0.4282780	0.6715080
L3.Taurine.and.hypotaurine.metabolism	-0.0000002	0.0000004	-0.4981519	0.6220094

Table 1173: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0537464	0.0567953	-0.9463178	0.3515469
L3.Terpenoid.backbone.biosynthesis	0.0000001	0.0000001	1.0477237	0.3031340

Table 1174: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0012443	0.0500120	-0.0248793	0.9803160
L3.Tetracycline.biosynthesis	0.0000000	0.0000003	0.0286566	0.9773283

Table 1175: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020722	0.0521931	0.0397030	0.9685930
L3.Thiamine.metabolism	0.0000000	0.0000001	-0.0451313	0.9643017

Table 1176: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1177: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0178117	0.0285644	0.6235608	0.5376287
L3.Toluene.degradation	-0.0000002	0.0000001	-1.1812530	0.2467823

Table 1178: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.Toxoplasmosis	0.0001401	0.0009887	0.1417376	0.8882349

Table 1179: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0186591	0.0367953	0.5071052	0.6157886
L3.Transcription.factors	0.0000000	0.0000000	-0.6825292	0.5001411

Table 1180: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0073408	0.0575527	0.1275485	0.8993574
L3.Transcription.machinery	0.0000000	0.0000001	-0.1413572	0.8885327

Table 1181: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0204300	0.0270130	0.7563048	0.4553649
L3.Transcription.related.proteins	-0.0000014	0.0000009	-1.6032854	0.1193497

Table 1182: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0399322	0.0560524	-0.7124080	0.4817166
L3.Translation.factors	0.0000001	0.0000001	0.7925538	0.4342610

Table 1183: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0178042	0.0508405	-0.3501973	0.7286375
L3.Translation.proteins	0.0000000	0.0000001	0.4009203	0.6913201

Table 1184: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147507	0.0403812	0.3652855	0.7174612
L3.Transporters	0.0000000	0.0000000	-0.4620747	0.6473614

Table 1185: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0096369	0.0403213	0.2390019	0.8127294
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000001	0.0000003	-0.3029697	0.7640039

Table 1186: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0238788	0.0313127	0.7625914	0.4516619
L3.Tryptophan.metabolism	-0.0000001	0.0000001	-1.2045822	0.2377820

Table 1187: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0230277	0.0619993	-0.3714189	0.7129359
L3.Tuberculosis	0.0000002	0.0000005	0.4050982	0.6882797

Table 1188: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0283415	0.0362089	0.7827214	0.4399259
L3.Two.component.system	0.0000000	0.0000000	-1.0582037	0.2984092

Table 1189: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0195222	0.0614384	-0.3177531	0.7528735
L3.Type.I.diabetes.mellitus	0.0000005	0.0000014	0.3472189	0.7308510

Table 1190: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0031027	0.0505744	-0.0613484	0.9514887
L3.Type.II.diabetes.mellitus	0.0000001	0.0000010	0.0704071	0.9443369

Table 1191: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0247247	0.0409214	0.6042009	0.5502524
L3.Tyrosine.metabolism	-0.0000001	0.0000001	-0.7558106	0.4556567

Table 1192: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0273181	0.0319238	0.8557272	0.3989320
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	-0.0000001	0.0000001	-1.3076859	0.2009129

Table 1193: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0357039	0.0280597	1.272425	0.2129961
L3.Ubiquitin.system	-0.0000026	0.0000012	-2.221129	0.0340363

Table 1194: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1195: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0004354	0.0532799	0.0081716	0.9935342
L3.Valine..leucine.and.isoleucine.biosynthesis	0.0000000	0.0000001	-0.0092346	0.9926931

Table 1196: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0224129	0.0382895	0.5853533	0.5626878
L3.Valine..leucine.and.isoleucine.degradation	-0.0000001	0.0000001	-0.7634355	0.4511661

Table 1197: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0273782	0.0267499	-1.02349	0.314259
L3.Various.types.of.N.glycan.biosynthesis	0.0273782	0.0132717	2.06291	0.047870

Table 1198: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1199: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0053193	0.0257024	-0.2069580	0.8374410
L3.Vasopressin.regulated.water.reabsorption	0.0212773	0.0296786	0.7169235	0.4789662

Table 1200: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0128865	0.0268737	0.479522	0.6350447
L3.Vibrio.cholerae.infection	-0.0179291	0.0159361	-1.125062	0.2694839

Table 1201: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0337534	0.0385621	0.8753019	0.3883640
L3.Vibrio.cholerae.pathogenic.cycle	-0.0000005	0.0000005	-1.1275379	0.2684527

Table 1202: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.Viral.myocarditis	0.0001401	0.0009887	0.1417376	0.8882349

Table 1203: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0449597	4.2e-02	1.070469	0.2929453
L3.Vitamin.B6.metabolism	-0.0000003	2.0e-07	-1.308108	0.2007714

Table 1204: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119913	0.0261733	0.4581491	0.6501468
L3.Wnt.signaling.pathway	-0.0479651	0.0395703	-1.2121486	0.2349159

Table 1205: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0154387	0.0370672	0.4165056	0.6800051
L3.Xylene.degradation	-0.0000002	0.0000004	-0.5584149	0.5807054

Table 1206: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0244170	0.0631927	-0.3863890	0.7019356
L3.Zeatin.biosynthesis	0.0000006	0.0000014	0.4199238	0.6775334

Table 1207: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0194166	0.0264293	0.7346604	0.4682505
L3.alpha.Linolenic.acid.metabolism	-0.0000015	0.0000009	-1.6710020	0.1051228

Table 1208: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0238174	0.0348671	0.6830911	0.4997910
L3.beta.Alanine.metabolism	-0.0000001	0.0000001	-0.9580289	0.3457058

Table 1209: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0048295	0.0443916	-0.1087924	0.9140916
L3.beta.Lactam.resistance	0.0000002	0.0000017	0.1311973	0.8964951

Table 1210: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

198

Table 1211: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0244145	0	1

Table 1212: diversity_vs_picrust_L3_neo: wunifrac.PC.2 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016641	0.0274476	-0.0606289	0.9520569
L3.p53.signaling.pathway	0.0001401	0.0009887	0.1417376	0.8882349

Table 1213: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0038296	0.0224133	0.1708611	0.8654801
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	-0.0000045	0.0000050	-0.9139448	0.3680333

Table 1214: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0326166	0.0331715	-0.9832716	0.3333377
L3.ABC.transporters	0.0000000	0.0000000	1.3008611	0.2032097

Table 1215: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1216: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0472848	0.0349577	-1.352629	0.1862820
L3.Adipocytokine.signaling.pathway	0.0000010	0.0000006	1.706429	0.0982614

Table 1217: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0183966	0.0283963	-0.6478518	0.5220085
L3.African.trypanosomiasis	0.0000025	0.0000025	1.0208010	0.3155105

Table 1218: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0793790	0.0451393	-1.758533	0.0888556
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000001	0.0000000	1.986229	0.0562107

Table 1219: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0037622	0.0223444	0.1683720	0.8674207
L3.Aldosterone.regulated.sodium.reabsorption	-0.1203894	0.1263990	-0.9524558	0.3484773

Table 1220: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0620968	0.0382953	-1.621527	0.1153692
L3.Alzheimer.s.disease	0.0000014	0.0000007	1.940704	0.0617423

Table 1221: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0381328	0.0321273	-1.186928	0.2445701
L3.Amino.acid.metabolism	0.0000002	0.0000001	1.593372	0.1215598

Table 1222: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0855325	0.045162	-1.893905	0.0679161
L3.Amino.acid.related.enzymes	0.0000001	0.000000	2.133674	0.0411623

Table 1223: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0739967	0.0445135	-1.662343	0.1068593
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000001	0.0000000	1.888018	0.0687293

Table 1224: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0851568	0.0484555	-1.757422	0.0890479
L3.Aminoacyl.tRNA.biosynthesis	0.0000001	0.0000000	1.950691	0.0604898

Table 1225: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0279219	0.0313885	-0.8895594	0.3807806
L3.Aminobenzoate.degradation	0.0000002	0.0000002	1.2351272	0.2263692

Table 1226: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0239512	0.0285397	-0.8392234	0.4079819
L3.Amoebiasis	0.0000064	0.0000049	1.2940680	0.2055158

Table 1227: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0206530	0.0255540	-0.8082091	0.4253330
L3.Amyotrophic.lateral.sclerosis..ALS.	0.0000011	0.0000008	1.5003319	0.1439804

Table 1228: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0313988	0.0371044	-0.8462282	0.4041252
L3.Antigen.processing.and.presentation	0.0000013	0.0000013	1.0489188	0.3025926

Table 1229: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020039	0.026498	0.0756234	0.9402207
L3.Apoptosis	-0.0000003	0.000002	-0.1402387	0.8894088

Table 1230: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0159505	0.0315254	-0.5059587	0.6165835
L3.Arachidonic.acid.metabolism	0.0000004	0.0000006	0.7106320	0.4828007

Table 1231: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0543848	0.0365402	-1.488358	0.1470940
L3.Arginine.and.proline.metabolism	0.0000001	0.0000000	1.826325	0.0777685

Table 1232: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1233: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0243811	0.0269682	-0.9040685	0.3731620
L3.Ascorbate.and.aldarate.metabolism	0.0000001	0.0000001	1.5011150	0.1437786

Table 1234: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0111938	0.0243847	-0.4590483	0.6495083
L3.Atrazine.degradation	0.0000007	0.0000006	1.0486705	0.3027051

Table 1235: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0247176	0.0327633	0.7544275	0.4564742
L3.Bacterial.chemotaxis	-0.0000001	0.0000001	-1.0161262	0.3176946

Table 1236: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0012798	0.0236506	0.0541142	0.9572029
L3.Bacterial.invasion.of.epithelial.cells	-0.0000011	0.0000065	-0.1632014	0.8714543

Table 1237: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0076685	0.0319081	0.2403299	0.8117092
L3.Bacterial.motility.proteins	0.0000000	0.0000000	-0.3357372	0.7394058

Table 1238: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0364749	0.0310854	-1.173380	0.2498755
L3.Bacterial.secretion.system	0.0000001	0.0000000	1.618297	0.1160659

Table 1239: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0607644	0.0498578	-1.218753	0.2324351
L3.Bacterial.toxins	0.0000005	0.0000003	1.353272	0.1860788

Table 1240: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0138340	0.0229726	0.6021951	0.5515690
L3.Basal.transcription.factors	-0.0000161	0.0000098	-1.6453807	0.1103303

Table 1241: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0828727	0.0456095	-1.817006	0.0792189
L3.Base.excision.repair	0.0000002	0.0000001	2.044605	0.0497551

Table 1242: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0324785	0.0290624	-1.117543	0.2726323
L3.Benzoate.degradation	0.0000001	0.0000001	1.649363	0.1095071

Table 1243: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0081853	0.0232471	-0.352100	0.7272247
L3.Betalain.biosynthesis	0.0000590	0.0000559	1.056616	0.2991216

Table 1244: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0029366	0.0248784	0.1180376	0.9068247
L3.Bile.secretion	-0.0004311	0.0016201	-0.2660707	0.7920049

Table 1245: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0204627	0.0253757	-0.806389	0.4263652
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	0.0000002	0.0000002	1.519898	0.1390070

Table 1246: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0022225	0.0225633	0.0985014	0.9221894
L3.Biosynthesis.of.12...14..and.16.membered.macrolides	-0.0711204	0.1276371	-0.5572083	0.5815190

Table 1247: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0297431	0.0311866	-0.9537167	0.3478490
L3.Biosynthesis.of.ansamycins	0.0000003	0.0000002	1.3275605	0.1943375

Table 1248: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0172028	0.0250970	-0.6854536	0.4983206
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000002	0.0000002	1.3581879	0.1845313

Table 1249: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1250: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0084706	0.0233415	-0.3628979	0.7192256
L3.Biosynthesis.of.type.II.polyketide.products	0.0000591	0.0000560	1.0557078	0.2995298

Table 1251: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0258795	0.0294381	-0.8791165	0.3863257
L3.Biosynthesis.of.unsaturated.fatty.acids	0.0000002	0.0000002	1.3021989	0.2027579

Table 1252: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0675966	0.0469781	-1.438894	0.1605330
L3.Biosynthesis.of.vancomycin.group.antibiotics	0.0000014	0.0000008	1.616525	0.1164497

Table 1253: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0889791	0.0343184	-2.592749	0.0145752
L3.Biotin.metabolism	0.0000007	0.0000002	3.140500	0.0037734

Table 1254: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0536642	0.0418028	-1.283747	0.2090576
L3.Bisphenol.degradation	0.0000012	0.0000008	1.497713	0.1446567

Table 1255: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0118170	0.0245777	-0.4808036	0.6341441
L3.Bladder.cancer	0.0000025	0.0000024	1.0619712	0.2967233

Table 1256: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0280229	0.0351709	-0.7967625	0.4318497
L3.Butanoate.metabolism	0.0000000	0.0000000	1.0195957	0.3160727

Table 1257: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0969555	0.0541952	-1.789005	0.0837163
L3.Butirosin.and.neomycin.biosynthesis	0.0000021	0.0000011	1.941273	0.0616704

Table 1258: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0621277	0.0407144	-1.525939	0.1375000
L3.C5.Branched.dibasic.acid.metabolism	0.0000002	0.0000001	1.788001	0.0838816

Table 1259: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1260: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0033441	0.0245050	0.1364651	0.8923653
L3.Caffeine.metabolism	-0.0041158	0.0125502	-0.3279467	0.7452298

Table 1261: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0080434	0.0250037	0.3216880	0.7499198
L3.Calcium.signaling.pathway	-0.0128694	0.0185723	-0.6929371	0.4936789

Table 1262: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0189212	0.0256944	-0.7363921	0.4672118
L3.Caprolactam.degradation	0.0000004	0.0000003	1.3684293	0.1813394

Table 1263: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0140992	0.0318806	-0.4422497	0.6614806
L3.Carbohydrate.digestion.and.absorption	0.0000007	0.0000011	0.6157522	0.5427019

Table 1264: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0380037	0.0361025	-1.052661	0.3009015
L3.Carbohydrate.metabolism	0.0000002	0.0000002	1.317272	0.1977204

Table 1265: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0626500	0.0377720	-1.658636	0.1076101
L3.Carbon.fixation.in.photosynthetic.organisms	0.0000001	0.0000001	1.994411	0.0552638

Table 1266: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0523670	0.0401775	-1.303392	0.2023556
L3.Carbon.fixation.pathways.in.prokaryotes	0.0000001	0.0000000	1.542510	0.1334335

Table 1267: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0086328	0.0236342	-0.3652658	0.7174757
L3.Cardiac.muscle.contraction	0.0000139	0.0000141	0.9899684	0.3301075

Table 1268: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098996	0.0253047	0.3912182	0.6984008
L3.Carotenoid.biosynthesis	-0.0000029	0.0000036	-0.8016968	0.4290331

Table 1269: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1270: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0994935	0.0510834	-1.947668	0.0608665
L3.Cell.cycle. . . Caulobacter	0.0000003	0.0000001	2.132478	0.0412683

Table 1271: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cell.cycle...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1272: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0379097	0.0355173	-1.067357	0.2943250
L3.Cell.division	0.0000006	0.0000005	1.347385	0.1879453

Table 1273: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0697391	0.0334139	-2.087127	0.0454730
L3.Cell.motility.and.secretion	0.0000004	0.0000002	2.615891	0.0137977

Table 1274: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0449952	0.0340016	-1.323323	0.1957253
L3.Cellular.antigens	0.0000010	0.0000006	1.698786	0.0997091

Table 1275: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0189361	0.0273317	-0.6928244	0.4937486
L3.Chagas.disease..American.trypanosomiasis.	0.0000028	0.0000024	1.1527103	0.2581318

Table 1276: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0635889	0.0406287	-1.565121	0.1280432
L3.Chaperones.and.folding.catalysts	0.0000001	0.0000000	1.833655	0.0766438

Table 1277: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0244716	0.0438080	-0.5586111	0.5805731
L3.Chloroalkane.and.chloroalkene.degradation	0.0000002	0.0000002	0.6476525	0.5221356

Table 1278: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114733	0.0275538	-0.4163960	0.6800844
L3.Chlorocyclohexane.and.chlorobenzene.degradation	0.0000008	0.0000012	0.6996497	0.4895361

Table 1279: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1280: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0690292	0.0436797	-1.580351	0.1245139
L3.Chromosome	0.0000001	0.0000000	1.807473	0.0807263

Table 1281: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079925	0.0238000	-0.3358190	0.7393447
L3.Chronic.myeloid.leukemia	0.0319700	0.0359822	0.8884936	0.3813441

Table 1282: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0071615	0.0240708	0.2975178	0.7681218
L3.Circadian.rhythm...plant	-0.0049819	0.0066128	-0.7533782	0.4570948

Table 1283: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0371987	0.0333874	-1.114154	0.2740600
L3.Citrate.cycle..TCA.cycle.	0.0000001	0.0000000	1.459655	0.1547779

Table 1284: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1285: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.Colorectal.cancer	0.0000847	0.0008894	0.0952327	0.9247633

Table 1286: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1287: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0570250	0.0356448	-1.599813	0.1201201
L3.Cyanoamino.acid.metabolism	0.0000002	0.0000001	1.979575	0.0569911

Table 1288: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0696021	0.03938	-1.767448	0.0873251
L3.Cysteine.and.methionine.metabolism	0.0000001	0.00000	2.083950	0.0457812

Table 1289: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0028852	0.0224831	0.1283275	0.8987462
L3.Cytochrome.P450	-0.0923264	0.1271837	-0.7259298	0.4735075

Table 1290: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1291: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1292: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0617550	0.0459969	-1.342590	0.1894762
L3.Cytoskeleton.proteins	0.0000003	0.0000002	1.518921	0.1392520

Table 1293: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1294: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0679918	0.0444888	-1.528290	0.1369169
L3.D.Alanine.metabolism	0.0000006	0.0000004	1.740154	0.0920826

Table 1295: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0329240	0.0203075	-1.621272	0.1154240

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Arginine.and.D.ornithine.metabolism	0.0000081	0.0000021	3.790306	0.0006771

Table 1296: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0868702	0.0432091	-2.010463	0.0534467
L3.D.Glutamine.and.D.glutamate.metabolism	0.0000007	0.0000003	2.287080	0.0294171

Table 1297: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0819329	0.047361	-1.729967	0.0939135
L3.DNA.repair.and.recombination.proteins	0.0000000	0.000000	1.931249	0.0629488

Table 1298: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0954145	0.0506920	-1.882239	0.0695358
L3.DNA.replication	0.0000002	0.0000001	2.065734	0.0475848

Table 1299: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0869568	0.0493733	-1.761212	0.0883933
L3.DNA.replication.proteins	0.0000001	0.0000000	1.946697	0.0609881

Table 1300: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1301: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0262138	0.0303129	-0.8647731	0.3940258
L3.Dioxin.degradation	0.0000003	0.0000002	1.2426934	0.2236067

Table 1302: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Drug.metabolism. . . cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0168214	0.0286225	-0.5876996	0.5611320
L3.Drug.metabolism. . . cytochrome.P450	0.0000003	0.0000004	0.9195844	0.3651254

Table 1303: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Drug.metabolism. . . other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0785524	0.0456448	-1.720948	0.0955598
L3.Drug.metabolism. . . other.enzymes	0.0000003	0.0000001	1.939320	0.0619176

Table 1304: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1305: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0136948	0.0280250	-0.4886629	0.6286336
L3.Electron.transfer.carriers	0.0000002	0.0000003	0.7941647	0.4333371

Table 1306: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1307: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110281	0.0225388	0.4892954	0.6281911
L3.Endocytosis	-0.0103794	0.0065406	-1.5869346	0.1230130

Table 1308: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0416402	0.03613	-1.152510	0.2582129
L3.Energy.metabolism	0.0000001	0.00000	1.437417	0.1609488

Table 1309: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0681373	0.0374705	-1.818424	0.0789967
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	0.0000010	0.0000005	2.183194	0.0369792

Table 1310: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1311: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0255595	0.0269106	0.9497905	0.3498080
L3.Ether.lipid.metabolism	-0.0000177	0.0000112	-1.5734533	0.1261023

Table 1312: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.030859	0.0349881	-0.8819845	0.3847976
L3.Ethylbenzene.degradation	0.000001	0.0000009	1.1296718	0.2675664

Table 1313: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1314: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0554003	0.0442807	-1.251116	0.2205613
L3.Fatty.acid.biosynthesis	0.0000001	0.0000001	1.433101	0.1621687

Table 1315: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1316: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0315797	0.0333192	-0.9477935	0.3508073
L3.Fatty.acid.metabolism	0.0000001	0.0000001	1.2516255	0.2203781

Table 1317: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1318: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110281	0.0225388	0.4892954	0.6281911
L3.Fc.gamma.R.mediated.phagocytosis	-0.0103794	0.0065406	-1.5869346	0.1230130

Table 1319: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0167626	0.0277073	0.6049877	0.5497364
L3.Flagellar.assembly	-0.0000001	0.0000001	-0.9925083	0.3288879

Table 1320: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0077356	0.0279031	0.2772306	0.7835044
L3.Flavone.and.flavonol.biosynthesis	-0.0000016	0.0000034	-0.4592129	0.6493915

Table 1321: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0042467	0.0229490	-0.1850514	0.8544341
L3.Flavonoid.biosynthesis	0.0000038	0.0000055	0.7034500	0.4871994

Table 1322: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127533	0.0237246	-0.5375568	0.5948485
L3.Fluorobenzoate.degradation	0.0000009	0.0000006	1.3279933	0.1941962

Table 1323: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1324: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0809686	0.0433865	-1.866216	0.0718146
L3.Folate.biosynthesis	0.0000002	0.0000001	2.126794	0.0417757

Table 1325: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0466138	0.0369649	-1.261028	0.2170174
L3.Fructose.and.mannose.metabolism	0.0000001	0.0000000	1.549468	0.1317554

Table 1326: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0420534	0.0325772	-1.290886	0.2066030
L3.Function.unknown	0.0000000	0.0000000	1.706781	0.0981951

Table 1327: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1328: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1329: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0660524	0.0459620	-1.437108	0.1610360
L3.Galactose.metabolism	0.0000001	0.0000001	1.623897	0.1148603

Table 1330: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1331: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0672237	0.0406687	-1.652959	0.1087681
L3.General.function.prediction.only	0.0000000	0.0000000	1.931922	0.0628622

Table 1332: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0247901	0.0264400	-0.937599	0.3559380

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Geraniol.degradation	0.0000003	0.0000002	1.600294	0.1200131

Table 1333: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0172355	0.0243073	0.7090676	0.4837570
L3.Germination	-0.0000043	0.0000029	-1.5218617	0.1385156

Table 1334: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1335: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0910540	0.0440930	-2.065046	0.0476541
L3.Glutamatergic.synapse	0.0000012	0.0000005	2.333605	0.0265074

Table 1336: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0409384	0.0340474	-1.202395	0.2386156
L3.Glutathione.metabolism	0.0000002	0.0000001	1.549693	0.1317015

Table 1337: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1338: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0207584	0.0274546	-0.7560974	0.4554874
L3.Glycan.biosynthesis.and.metabolism	0.0000004	0.0000003	1.2410095	0.2242193

Table 1339: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0362866	0.0380011	-0.9548818	0.3472691
L3.Glycerolipid.metabolism	0.0000001	0.0000001	1.1666470	0.2525435

Table 1340: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0471808	0.0378285	-1.247229	0.2219628
L3.Glycerophospholipid.metabolism	0.0000001	0.0000001	1.516315	0.1399073

Table 1341: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0667850	0.0390595	-1.709827	0.0976235
L3.Glycine..serine.and.threonine.metabolism	0.0000001	0.0000000	2.025378	0.0518054

Table 1342: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycolysis. . . Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0587563	0.0415141	-1.415335	0.1672681
L3.Glycolysis. . . Gluconeogenesis	0.0000001	0.0000000	1.650937	0.1091832

Table 1343: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosaminoglycan.biosynthesis. . . chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039644	0.0227162	-0.1745169	0.8626317
L3.Glycosaminoglycan.biosynthesis. . . chondroitin.sulfate	0.0158574	0.0208458	0.7607013	0.4527734

Table 1344: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0636488	0.0341866	-1.861806	0.0724529
L3.Glycosaminoglycan.degradation	0.0000009	0.0000004	2.329196	0.0267716

Table 1345: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0641003	0.0324131	-1.977605	0.0572240
L3.Glycosphingolipid.biosynthesis...ganglio.series	0.0000014	0.0000005	2.533516	0.0167537

Table 1346: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosphingolipid.biosynthesis...globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0648928	0.0361019	-1.797490	0.0823311
L3.Glycosphingolipid.biosynthesis...globo.series	0.0000008	0.0000004	2.195025	0.0360378

Table 1347: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0100293	0.0215255	-0.465927	0.6446330
L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series	0.0000733	0.0000363	2.019211	0.0524786

Table 1348: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1349: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0686601	0.0385598	-1.780615	0.0851055
L3.Glycosyltransferases	0.0000002	0.0000001	2.115623	0.0427889

Table 1350: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0429591	0.0319968	-1.342605	0.1894715
L3.Glyoxylate.and.dicarboxylate.metabolism	0.0000001	0.0000001	1.793462	0.0829862

Table 1351: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110281	0.0225388	0.4892954	0.6281911
L3.GnRH.signaling.pathway	-0.0103794	0.0065406	-1.5869346	0.1230130

Table 1352: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1353: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1354: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1355: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0908751	0.0442128	-2.055404	0.0486353
L3.Histidine.metabolism	0.0000002	0.0000001	2.321480	0.0272395

Table 1356: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0900927	0.0493145	-1.826903	0.0776794
L3.Homologous.recombination	0.0000001	0.0000001	2.017981	0.0526138

Table 1357: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0338390	0.0385667	-0.8774157	0.3872336

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Huntington.s.disease	0.0000008	0.0000007	1.0662060	0.2948364

Table 1358: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0036790	0.0231122	0.1591805	0.8745935
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0009494	0.0016578	-0.5727147	0.5711057

Table 1359: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0072577	0.0256951	-0.2824543	0.7795348
L3.Indole.alkaloid.biosynthesis	0.0129026	0.0229824	0.5614108	0.5786876

Table 1360: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.Influenza.A	0.0000847	0.0008894	0.0952327	0.9247633

Table 1361: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0295752	0.0300303	-0.9848436	0.3325776
L3.Inorganic.ion.transport.and.metabolism	0.0000001	0.0000001	1.4182877	0.1664119

Table 1362: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0258071	0.0282044	-0.9150014	0.3674873
L3.Inositol.phosphate.metabolism	0.0000002	0.0000001	1.4234010	0.1649375

Table 1363: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0479969	4.39e-02	-1.093322	0.2829544

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Insulin.signaling.pathway	0.0000008	6.00e-07	1.258761	0.2178243

Table 1364: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0222407	0.0388032	-0.5731670	0.5708034
L3.Ion.channels	0.0000006	0.0000008	0.6979751	0.4905678

Table 1365: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0029936	0.0231150	0.1295092	0.8978192
L3.Isoflavonoid.biosynthesis	-0.0016237	0.0034186	-0.4749477	0.6382639

Table 1366: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0486557	0.0320057	-1.520220	0.1389262
L3.Isoquinoline.alkaloid.biosynthesis	0.0000010	0.0000005	2.011198	0.0533647

Table 1367: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1368: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1369: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0254572	0.0314095	-0.8104944	0.4240392
L3.Limonene.and.pinene.degradation	0.0000003	0.0000002	1.1288542	0.2679058

Table 1370: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0706845	0.0427656	-1.652837	0.1087931
L3.Linoleic.acid.metabolism	0.0000019	0.0000010	1.899932	0.0670921

Table 1371: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0698555	0.0413583	-1.689032	0.1015824
L3.Lipid.biosynthesis.proteins	0.0000001	0.0000001	1.961092	0.0592089

Table 1372: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0319201	0.0314738	-1.014179	0.3186074
L3.Lipid.metabolism	0.0000002	0.0000002	1.396159	0.1729132

Table 1373: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0444666	0.0371832	-1.195878	0.2411112
L3.Lipoic.acid.metabolism	0.0000009	0.0000006	1.467868	0.1525474

Table 1374: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0572663	0.0271598	-2.108493	0.0434469
L3.Lipopolysaccharide.biosynthesis	0.0000002	0.0000001	3.033667	0.0049514

Table 1375: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0603224	0.0289317	-2.084992	0.0456798
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000001	0.0000000	2.858266	0.0076726

Table 1376: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1377: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1378: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0838174	0.0460577	-1.819836	0.0787760
L3.Lysine.biosynthesis	0.0000001	0.0000001	2.042595	0.0499661

Table 1379: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0314811	0.0297532	-1.058074	0.2984672
L3.Lysine.degradation	0.0000002	0.0000001	1.530572	0.1363529

Table 1380: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0486676	0.0358067	-1.359178	0.1842209
L3.Lysosome	0.0000005	0.0000003	1.692098	0.1009904

Table 1381: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1382: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1102891	0.0406924	-2.710312	0.0110076
L3.MAPK.signaling.pathway. . . yeast	0.0000025	0.0000008	3.085548	0.0043413

Table 1383: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1384: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0090115	0.0248140	0.3631613	0.7190308
L3.Meiosis. . . yeast	-0.0000028	0.0000036	-0.7972091	0.4315943

Table 1385: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0081332	0.0232370	-0.3500125	0.7287748
L3.Melanogenesis	0.0000589	0.0000559	1.0546214	0.3000184

Table 1386: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0445102	0.0313853	-1.418185	0.1664416
L3.Membrane.and.intracellular.structural.molecules	0.0000001	0.0000000	1.913722	0.0652395

Table 1387: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0308151	0.0320396	-0.9617829	0.3438473
L3.Metabolism.of.cofactors.and.vitamins	0.0000002	0.0000002	1.3078895	0.2008447

Table 1388: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0175498	0.0282434	-0.6213773	0.5390448
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	0.0000004	0.0000004	0.9886348	0.3307490

Table 1389: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0604742	0.0437584	-1.382004	0.1771751
L3.Methane.metabolism	0.0000001	0.0000000	1.585390	0.1233639

Table 1390: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0290499	0.0260033	1.117165	0.2727913
L3.Mineral.absorption	-0.0000166	0.0000087	-1.908043	0.0659971

Table 1391: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0829839	0.0501952	-1.653225	0.1087137
L3.Mismatch.repair	0.0000001	0.0000001	1.823501	0.0782057

Table 1392: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0468495	0.0271679	-1.724442	0.0949192
L3.N.Glycan.biosynthesis	0.0000034	0.0000013	2.578256	0.0150826

Table 1393: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0348072	0.0380225	-0.9154357	0.3672631
L3.NOD.like.receptor.signaling.pathway	0.0000014	0.0000012	1.1191007	0.2719779

Table 1394: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0422934	0.0448649	-0.9426821	0.3533736
L3.Naphthalene.degradation	0.0000003	0.0000003	1.0801153	0.2886981

Table 1395: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1396: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1397: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0577963	0.0426614	-1.354769	0.1856065
L3.Nicotinate.and.nicotinamide.metabolism	0.0000002	0.0000001	1.567555	0.1274737

Table 1398: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0492205	0.0359347	-1.369722	0.1809397
L3.Nitrogen.metabolism	0.0000001	0.0000000	1.701453	0.0992018

Table 1399: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0153497	0.0312550	-0.4911127	0.6269204
L3.Nitrotoluene.degradation	0.0000002	0.0000003	0.6959232	0.4918335

Table 1400: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020566	0.0256234	0.0802615	0.9365623
L3.Non.homologous.end.joining	-0.0000018	0.0000111	-0.1632476	0.8714182

Table 1401: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079925	0.0238000	-0.3358190	0.7393447
L3.Notch.signaling.pathway	0.0319700	0.0359822	0.8884936	0.3813441

Table 1402: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0676549	0.0384285	-1.760538	0.0885094
L3.Novobiocin.biosynthesis	0.0000006	0.0000003	2.095780	0.0446425

Table 1403: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0881028	0.0538959	-1.634684	0.1125669
L3.Nucleotide.excision.repair	0.0000003	0.0000002	1.778494	0.0854598

Table 1404: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0269122	0.0285976	-0.9410634	0.3541889
L3.Nucleotide.metabolism	0.0000003	0.0000002	1.4353414	0.1615346

Table 1405: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1406: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1024843	0.0487143	-2.103783	0.0438866
L3.One.carbon.pool.by.folate	0.0000002	0.0000001	2.320447	0.0273027

Table 1407: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1408: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0562152	0.0381865	-1.472122	0.151402
L3.Other.glycan.degradation	0.0000002	0.0000001	1.771404	0.086653

Table 1409: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0456792	0.0335314	-1.362281	0.1832504
L3.Other.ion.coupled.transporters	0.0000000	0.0000000	1.761130	0.0884074

Table 1410: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0431833	0.0347899	-1.241261	0.2241278
L3.Other.transporters	0.0000002	0.0000001	1.576653	0.1253634

Table 1411: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1412: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0430831	0.0399199	-1.079239	0.2890823
L3.Others	0.0000000	0.0000000	1.286574	0.2080829

Table 1413: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0576357	0.0432673	-1.332083	0.1928646
L3.Oxidative.phosphorylation	0.0000001	0.0000000	1.534881	0.1352933

Table 1414: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0634040	0.0460755	-1.376089	0.1789804
L3.PPAR.signaling.pathway	0.0000008	0.0000005	1.555329	0.1303553

Table 1415: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1416: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1417: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0760492	0.0433322	-1.755026	0.0894638
L3.Pantothenate.and.CoA.biosynthesis	0.0000001	0.0000001	2.005269	0.0540288

Table 1418: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0088207	0.0236964	-0.3722361	0.7123338
L3.Parkinson.s.disease	0.0000140	0.0000141	0.9920660	0.3291001

Table 1419: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0027588	0.0233033	0.1183856	0.9065513
L3.Pathogenic.Escherichia.coli.infection	-0.0019618	0.0048958	-0.4007100	0.6914732

Table 1420: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0543832	0.0332176	-1.637180	0.1120417
L3.Pathways.in.cancer	0.0000016	0.0000008	2.102414	0.0440150

Table 1421: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0424775	0.0346737	-1.225065	0.2300825
L3.Penicillin.and.cephalosporin.biosynthesis	0.0000012	0.0000008	1.560071	0.1292314

Table 1422: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0312180	0.0311713	-1.001495	0.3245975
L3.Pentose.and.glucuronate.interconversions	0.0000001	0.0000000	1.391172	0.1744054

Table 1423: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0591511	0.0393205	-1.504333	0.1429520
L3.Pentose.phosphate.pathway	0.0000001	0.0000000	1.786935	0.0840573

Table 1424: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0623435	0.0440592	-1.414994	0.1673672
L3.Peptidases	0.0000000	0.0000000	1.618928	0.1159297

Table 1425: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0674119	0.0484339	-1.391832	0.1742072
L3.Peptidoglycan.biosynthesis	0.0000001	0.0000001	1.552832	0.1309503

Table 1426: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0621088	0.0410230	-1.513997	0.1404921
L3.Peroxisome	0.0000004	0.0000002	1.769705	0.0869412

Table 1427: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0190485	0.0245842	-0.7748287	0.4445054
L3.Pertussis	0.0000002	0.0000001	1.5843104	0.1236094

Table 1428: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1429: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0292129	0.0281389	-1.038170	0.3074864
L3.Phenylalanine.metabolism	0.0000002	0.0000001	1.601473	0.1197512

Table 1430: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0893703	0.0429537	-2.080622	0.0461061
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000001	0.0000001	2.367348	0.0245633

Table 1431: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0514508	0.0329135	-1.563215	0.1284906
L3.Phenylpropanoid.biosynthesis	0.0000004	0.0000002	2.025923	0.0517463

Table 1432: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0529477	0.0478312	-1.106970	0.2771041
L3.Phosphatidylinositol.signaling.system	0.0000006	0.0000005	1.243185	0.2234282

Table 1433: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0680360	0.0349341	-1.947553	0.0608809
L3.Phosphonate.and.phosphinate.metabolism	0.0000009	0.0000004	2.401752	0.0227155

Table 1434: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0209728	0.0319728	-0.6559571	0.5168514
L3.Phosphotransferase.system..PTS.	0.0000000	0.0000000	0.9048715	0.3727433

Table 1435: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0930682	0.0522172	-1.782329	0.0848200
L3.Photosynthesis	0.0000003	0.0000002	1.947284	0.0609146

Table 1436: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Photosynthesis...antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0107361	0.0254732	0.4214674	0.6764185
L3.Photosynthesis...antenna.proteins	-0.0009336	0.0011072	-0.8431836	0.4057986

Table 1437: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0893420	0.0513347	-1.740382	0.0920419
L3.Photosynthesis.proteins	0.0000003	0.0000002	1.908723	0.0659059

Table 1438: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1439: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Phototransduction...fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1440: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302684	0.0432755	-0.6994344	0.4896687
L3.Plant.pathogen.interaction	0.0000003	0.0000003	0.8132600	0.4224767

Table 1441: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0939495	0.0487099	-1.928755	0.0632704
L3.Polycyclic.aromatic.hydrocarbon.degradation	0.0000010	0.0000005	2.133024	0.0412199

Table 1442: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0609115	0.0452270	-1.346794	0.1881336
L3.Polyketide.sugar.unit.biosynthesis	0.0000004	0.0000003	1.530801	0.1362965

Table 1443: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0419201	0.0296867	-1.412083	0.1682149
L3.Pores.ion.channels	0.0000001	0.0000000	1.995323	0.0551591

Table 1444: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0479769	0.0349551	-1.372529	0.1800738
L3.Porphyrin.and.chlorophyll.metabolism	0.0000001	0.0000000	1.730335	0.0938468

Table 1445: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0997287	0.0473701	-2.105307	0.0437439
L3.Prenyltransferases	0.0000004	0.0000002	2.336179	0.0263544

Table 1446: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0864594	0.0403232	-2.144159	0.0402430
L3.Primary.bile.acid.biosynthesis	0.0000039	0.0000016	2.482861	0.0188508

Table 1447: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0399914	0.0491052	-0.8144036	0.4218317
L3.Primary.immunodeficiency	0.0000007	0.0000008	0.9111484	0.3694807

Table 1448: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114349	0.0263848	-0.4333904	0.6678316
L3.Prion.diseases	0.0000017	0.0000022	0.7927050	0.4341742

Table 1449: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0313988	0.0371044	-0.8462282	0.4041252
L3.Progesterone.mediated.oocyte.maturation	0.0000013	0.0000013	1.0489188	0.3025926

Table 1450: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0449005	0.0366316	-1.225734	0.2298345
L3.Propanoate.metabolism	0.0000001	0.0000001	1.514486	0.1403686

Table 1451: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0385694	0.0358453	-1.075995	0.2905068
L3.Prostate.cancer	0.0000015	0.0000011	1.350891	0.1868320

Table 1452: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.056305	0.0500921	-1.124030	0.2699144
L3.Proteasome	0.000002	0.0000016	1.247987	0.2216891

Table 1453: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0444280	0.0300358	-1.479170	0.1495197
L3.Protein.digestion.and.absorption	0.0000026	0.0000013	2.059073	0.0482598

Table 1454: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0883791	0.0487756	-1.811951	0.0800151
L3.Protein.export	0.0000002	0.0000001	2.006680	0.0538701

Table 1455: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0567621	0.0372061	-1.525610	0.1375815
L3.Protein.folding.and.associated.processing	0.0000001	0.0000000	1.854108	0.0735790

Table 1456: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0251149	0.0342044	-0.7342605	0.4684906
L3.Protein.kinases	0.0000001	0.0000001	0.9585760	0.3454345

Table 1457: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0446161	0.0400221	-1.114787	0.2737931
L3.Protein.processing.in.endoplasmic.reticulum	0.0000011	0.0000008	1.326612	0.1946474

Table 1458: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0328116	0.0272734	-1.203063	0.2383607
L3.Proximal.tubule.bicarbonate.reclamation	0.0000013	0.0000007	1.897708	0.0673952

Table 1459: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0782395	0.0456348	-1.714472	0.0967571
L3.Purine.metabolism	0.0000000	0.0000000	1.932346	0.0628078

Table 1460: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0824615	0.0487098	-1.692914	0.1008333
L3.Pyrimidine.metabolism	0.0000001	0.0000000	1.878595	0.0700484

Table 1461: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0527079	0.0378844	-1.391282	0.1743723
L3.Pyruvate.metabolism	0.0000001	0.0000000	1.683731	0.1026128

Table 1462: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0076002	0.0276921	0.2744525	0.7856180
L3.RIG.I.like.receptor.signaling.pathway	-0.0000053	0.0000115	-0.4607786	0.6482805

Table 1463: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0963621	0.0469955	-2.050451	0.0491461
L3.RNA.degradation	0.0000003	0.0000001	2.281464	0.0297871

Table 1464: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0734624	0.0491493	-1.494679	0.1454437
L3.RNA.polymerase	0.0000005	0.0000003	1.659659	0.1074025

Table 1465: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0250398	0.0423877	-0.590733	0.5591238
L3.RNA.transport	0.0000003	0.0000004	0.692811	0.4937569

Table 1466: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1467: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0448473	0.0245396	-1.827548	0.0775799
L3.Renal.cell.carcinoma	0.0000044	0.0000015	3.022233	0.0050964

Table 1468: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0045023	0.0224849	0.2002357	0.8426475
L3.Renin.angiotensin.system	-0.0002442	0.0002548	-0.9582856	0.3455785

Table 1469: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0544537	0.0430233	-1.265681	0.2153689
L3.Replication..recombination.and.repair.proteins	0.0000001	0.0000001	1.462733	0.1539389

Table 1470: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-7.82e-02	0.0384899	-2.031700	0.0511232
L3.Restriction.enzyme	5.00e-07	0.0000002	2.398123	0.0229042

Table 1471: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0178673	0.0320530	-0.5574297	0.5813697
L3.Retinol.metabolism	0.0000005	0.0000006	0.7697777	0.4474510

Table 1472: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1473: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0496744	0.0346824	-1.432265	0.1624059
L3.Riboflavin.metabolism	0.0000002	0.0000001	1.809506	0.0804027

Table 1474: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0936181	0.0504842	-1.854405	0.0735351
L3.Ribosome	0.0000000	0.0000000	2.037617	0.0504919

Table 1475: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0721785	0.043197	-1.670914	0.1051403
L3.Ribosome.Biogenesis	0.0000001	0.000000	1.914125	0.0651859

Table 1476: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0711066	0.0457866	-1.553001	0.1309100
L3.Ribosome.biogenesis.in.eukaryotes	0.0000016	0.0000009	1.753481	0.0897329

Table 1477: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1478: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0879678	0.0400897	-2.194272	0.0360971
L3.Secondary.bile.acid.biosynthesis	0.0000040	0.0000016	2.542359	0.0164104

Table 1479: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0309333	0.0317872	-0.9731357	0.3382675
L3.Secretion.system	0.0000000	0.0000000	1.3312463	0.1931366

Table 1480: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0636216	0.0396634	-1.604038	0.1191832
L3.Selenocompound.metabolism	0.0000002	0.0000001	1.894205	0.0678748

Table 1481: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1482: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0025032	0.0254143	-0.0984975	0.9221925
L3.Shigellosis	0.0013351	0.0064946	0.2055639	0.8385201

Table 1483: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0449717	0.0388322	-1.158104	0.2559583
L3.Signal.transduction.mechanisms	0.0000001	0.0000001	1.394529	0.1733997

Table 1484: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.Small.cell.lung.cancer	0.0000847	0.0008894	0.0952327	0.9247633

Table 1485: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0604529	0.0369413	-1.636459	0.1121932
L3.Sphingolipid.metabolism	0.0000004	0.0000002	1.988341	0.0559649

Table 1486: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1487: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0206397	0.0310602	0.6645059	0.5114424
L3.Sporulation	-0.0000001	0.0000001	-0.9413474	0.3540458

Table 1488: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0059499	0.0277072	0.2147417	0.8314218
L3.Staphylococcus.aureus.infection	-0.0000001	0.0000004	-0.3610632	0.7205825

Table 1489: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0537447	0.040443	-1.328900	0.1939005
L3.Starch.and.sucrose.metabolism	0.0000001	0.000000	1.567842	0.1274069

Table 1490: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0027397	0.0248672	0.1101713	0.9130073
L3.Steroid.biosynthesis	-0.0000510	0.0002049	-0.2489460	0.8050990

Table 1491: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0455271	0.0242621	-1.876469	0.0703490
L3.Steroid.hormone.biosynthesis	0.0000027	0.0000009	3.122545	0.0039506

Table 1492: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023468	0.0240027	0.0977722	0.9227635
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	-0.0000015	0.0000055	-0.2640526	0.7935449

Table 1493: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0697259	0.0444707	-1.567907	0.1273915
L3.Streptomycin.biosynthesis	0.0000003	0.0000002	1.784239	0.0845030

Table 1494: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0112098	0.0240206	-0.4666726	0.6441055
L3.Styrene.degradation	0.0000004	0.0000004	1.1269924	0.2686796

Table 1495: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0681377	0.0383341	-1.777467	0.0856317
L3.Sulfur.metabolism	0.0000003	0.0000001	2.116961	0.0426664

Table 1496: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0278285	0.0331496	-0.839482	0.4078391
L3.Sulfur.relay.system	0.0000001	0.0000001	1.117167	0.2727903

Table 1497: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0317574	0.0331401	-0.9582762	0.3455832
L3.Synthesis.and.degradation.of.ketone.bodies	0.0000009	0.0000007	1.2698990	0.2138827

Table 1498: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0081081	0.0234768	-0.3453680	0.7322278
L3.Systemic.lupus.erythematosus	0.0000551	0.0000562	0.9807635	0.3345531

Table 1499: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1500: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0810253	0.0401765	-2.016735	0.0527510
L3.Taurine.and.hypotaurine.metabolism	0.0000008	0.0000003	2.345767	0.0257912

Table 1501: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0960107	0.0482540	-1.989695	0.0558079
L3.Terpenoid.backbone.biosynthesis	0.0000002	0.0000001	2.202907	0.0354226

Table 1502: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0047974	0.0449724	-0.1066754	0.9157567
L3.Tetracycline.biosynthesis	0.0000000	0.0000003	0.1228714	0.9030284

Table 1503: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0685967	0.0447359	-1.533372	0.1356636
L3.Thiamine.metabolism	0.0000002	0.0000001	1.743019	0.0915730

Table 1504: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1505: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0026542	0.0262668	-0.1010492	0.9201837
L3.Toluene.degradation	0.0000000	0.0000001	0.1914243	0.8494829

Table 1506: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.Toxoplasmosis	0.0000847	0.0008894	0.0952327	0.9247633

Table 1507: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs
L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0257811	0.0327441	-0.7873496	0.4372538
L3.Transcription.factors	0.0000000	0.0000000	1.0597192	0.2977303

Table 1508: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0780018	0.0493190	-1.581579	0.1242327
L3.Transcription.machinery	0.0000001	0.0000001	1.752804	0.0898511

Table 1509: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0134146	0.0247781	-0.5413873	0.5922388
L3.Transcription.related.proteins	0.0000009	0.0000008	1.1476833	0.2601695

Table 1510: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0949355	0.0471506	-2.013451	0.0531142
L3.Translation.factors	0.0000002	0.0000001	2.239964	0.0326547

Table 1511: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0707010	0.0434039	-1.628910	0.1137898
L3.Translation.proteins	0.0000001	0.0000000	1.864843	0.0720128

Table 1512: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0343153	0.0355778	-0.9645152	0.3424987
L3.Transporters	0.0000000	0.0000000	1.2200814	0.2319386

Table 1513: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0531229	0.0341782	-1.554291	0.1306023
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	0.0000005	0.0000003	1.970291	0.0580959

Table 1514: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0236074	0.0280219	-0.8424617	0.4061961
L3.Tryptophan.metabolism	0.0000001	0.0000001	1.3307445	0.1932997

Table 1515: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0943265	0.0526682	-1.790957	0.0833959
L3.Tuberculosis	0.0000008	0.0000004	1.953356	0.0601593

Table 1516: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.020693	0.0327746	-0.6313729	0.5325784
L3.Two.component.system	0.000000	0.0000000	0.8535874	0.4000981

Table 1517: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1307945	0.0488374	-2.678161	0.0118925
L3.Type.I.diabetes.mellitus	0.0000032	0.0000011	2.926512	0.0064785

Table 1518: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0634328	0.0435078	-1.457964	0.1552404
L3.Type.II.diabetes.mellitus	0.0000014	0.0000009	1.673248	0.1046762

Table 1519: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0444519	0.0357415	-1.243706	0.2232387
L3.Tyrosine.metabolism	0.0000001	0.0000001	1.555785	0.1302469

Table 1520: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0373963	0.0276155	-1.354177	0.1857932
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	0.0000002	0.0000001	2.069395	0.0472173

Table 1521: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0240260	0.0261359	-0.9192734	0.3652854
L3.Ubiquitin.system	0.0000018	0.0000011	1.6046717	0.1190433

Table 1522: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1523: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0703952	0.0456685	-1.541441	0.1336929
L3.Valine..leucine.and.isoleucine.biosynthesis	0.0000001	0.0000001	1.741963	0.0917607

Table 1524: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0424682	0.0332694	-1.276495	0.2115741
L3.Valine..leucine.and.isoleucine.degradation	0.0000002	0.0000001	1.664843	0.1063555

Table 1525: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0059444	0.0256168	-0.2320496	0.8180752
L3.Various.types.of.N.glycan.biosynthesis	0.0059444	0.0127095	0.4677109	0.6433713

Table 1526: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1527: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011851	0.0233031	-0.0508542	0.9597788
L3.Vasopressin.regulated.water.reabsorption	0.0047402	0.0269081	0.1761642	0.8613488

Table 1528: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0070127	0.0244926	-0.2863185	0.7766022
L3.Vibrio.cholerae.infection	0.0097568	0.0145241	0.6717647	0.5068741

Table 1529: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0173845	0.0351750	-0.4942280	0.6247448
L3.Vibrio.cholerae.pathogenic.cycle	0.0000003	0.0000004	0.6366499	0.5291812

Table 1530: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.Viral.myocarditis	0.0000847	0.0008894	0.0952327	0.9247633

Table 1531: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0601513	0.0364470	-1.650377	0.1092983
L3.Vitamin.B6.metabolism	0.0000004	0.0000002	2.016753	0.0527490

251

Table 1532: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079925	0.0238000	-0.3358190	0.7393447
L3.Wnt.signaling.pathway	0.0319700	0.0359822	0.8884936	0.3813441

Table 1533: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0233258	0.0330228	-0.7063551	0.4854174
L3.Xylene.degradation	0.0000004	0.0000004	0.9470201	0.3511948

Table 1534: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1287924	0.0509562	-2.527509	0.0169906
L3.Zeatin.biosynthesis	0.0000030	0.0000011	2.746872	0.0100761

Table 1535: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0139247	0.0241714	-0.5760821	0.5688567
L3.alpha.Linolenic.acid.metabolism	0.0000011	0.0000008	1.3103120	0.2000344

Table 1536: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0341329	0.0306140	-1.114942	0.2737275
L3.beta.Alanine.metabolism	0.0000002	0.0000001	1.563696	0.1283776

Table 1537: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0710520	0.0367480	-1.933492	0.0626607
L3.beta.Lactam.resistance	0.0000032	0.0000014	2.331679	0.0266225

Table 1538: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1539: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0219595	0	1

Table 1540: diversity_vs_picrust_L3_neo: wunifrac.PC.3 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010059	0.0246922	-0.0407362	0.9677761
L3.p53.signaling.pathway	0.0000847	0.0008894	0.0952327	0.9247633

Table 1541: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0051196	0.0181033	-0.2827998	0.7792725
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	0.0000061	0.0000040	1.5127101	0.1408176

Table 1542: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0548819	0.0248667	-2.207049	0.0351032
L3.ABC.transporters	0.0000000	0.0000000	2.919909	0.0065859

Table 1543: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1544: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0198681	0.0299150	0.6641532	0.5116650
L3.Adipocytokine.signaling.pathway	-0.0000004	0.0000005	-0.8378720	0.4087286

Table 1545: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0186144	0.0232659	-0.800073	0.4299588
L3.African.trypanosomiasis	0.0000025	0.0000020	1.260651	0.2171514

Table 1546: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0889339	0.0351942	-2.526949	0.0170129
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000001	0.0000000	2.854140	0.0077511

Table 1547: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0050287	0.0180113	-0.2791959	0.7820103
L3.Aldosterone.regulated.sodium.reabsorption	0.1609182	0.1018875	1.5793702	0.1247387

Table 1548: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0626562	0.0306620	-2.043446	0.0498767
L3.Alzheimer.s.disease	0.0000014	0.0000006	2.445671	0.0205412

Table 1549: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0482185	0.0250022	-1.928572	0.0632941
L3.Amino.acid.metabolism	0.0000002	0.0000001	2.588979	0.0147056

Table 1550: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0850444	0.0360384	-2.359830	0.0249849
L3.Amino.acid.related.enzymes	0.0000001	0.0000000	2.658587	0.0124633

Table 1551: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0658979	0.0364377	-1.808510	0.0805611
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000000	0.0000000	2.054028	0.0487766

Table 1552: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0775867	0.0394991	-1.964265	0.0588229
L3.Aminoacyl.tRNA.biosynthesis	0.0000001	0.0000000	2.180281	0.0372143

Table 1553: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0401018	0.0245750	-1.631816	0.1131730
L3.Aminobenzoate.degradation	0.0000003	0.0000001	2.265729	0.0308466

Table 1554: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0070133	0.0241574	0.2903165	0.7735715
L3.Amoebiasis	-0.0000019	0.0000042	-0.4476631	0.6576123

Table 1555: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0267287	0.0199373	-1.340634	0.1901034
L3.Amyotrophic.lateral.sclerosis..ALS.	0.0000015	0.0000006	2.488708	0.0185970

Table 1556: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0893375	0.0237958	-3.754342	0.0007465
L3.Antigen.processing.and.presentation	0.0000038	0.0000008	4.653592	0.0000619

Table 1557: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0240399	0.0203402	1.181887	0.2465344
L3.Apoptosis	-0.0000034	0.0000015	-2.191731	0.0362977

Table 1558: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0413389	0.0240414	-1.719489	0.0958286
L3.Arachidonic.acid.metabolism	0.0000011	0.0000004	2.415066	0.0220351

Table 1559: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0687460	0.0278624	-2.467336	0.0195403
L3.Arginine.and.proline.metabolism	0.0000001	0.0000000	3.027604	0.0050278

Table 1560: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1561: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0321020	0.0209630	-1.531365	0.1361574
L3.Ascorbate.and.aldarate.metabolism	0.0000002	0.0000001	2.542678	0.0163982

Table 1562: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0200230	0.0187443	-1.06822	0.2939420
L3.Atrazine.degradation	0.0000012	0.0000005	2.44029	0.0207969

Table 1563: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0481622	0.0248650	-1.936945	0.0622195
L3.Bacterial.chemotaxis	0.0000002	0.0000001	2.608840	0.0140304

Table 1564: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0111287	0.0185715	-0.5992367	0.5535139
L3.Bacterial.invasion.of.epithelial.cells	0.0000092	0.0000051	1.8072202	0.0807666

Table 1565: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0627551	0.0210224	-2.985154	0.0055948
L3.Bacterial.motility.proteins	0.0000001	0.0000000	4.170215	0.0002387

Table 1566: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0430126	0.0245037	-1.755353	0.0894071
L3.Bacterial.secretion.system	0.0000001	0.0000000	2.420939	0.0217409

Table 1567: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0623286	0.0405232	-1.538095	0.1345072
L3.Bacterial.toxins	0.0000005	0.0000003	1.707861	0.0979922

Table 1568: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024722	0.0197871	-0.1249415	0.9014033
L3.Basal.transcription.factors	0.0000029	0.0000085	0.3413783	0.7351984

Table 1569: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0854471	0.0362067	-2.359980	0.0249764
L3.Base.excision.repair	0.0000002	0.0000001	2.655593	0.0125528

Table 1570: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0435118	0.0221775	-1.961976	0.0591012
L3.Benzoate.degradation	0.0000002	0.0000001	2.895649	0.0069950

Table 1571: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0107595	0.0186594	-0.5766245	0.5684949
L3.Betalain.biosynthesis	0.0000776	0.0000449	1.7303913	0.0938366

Table 1572: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0173152	0.0193140	-0.8965058	0.3771207
L3.Bile.secretion	0.0025417	0.0012577	2.0208309	0.0523010

Table 1573: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0221421	0.0203888	-1.085993	0.2861315
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	0.0000003	0.0000001	2.046902	0.0495151

Table 1574: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0023104	0.0185927	-0.1242652	0.9019342
L3.Biosynthesis.of.12...14..and.16.membered.macrolides	0.0739336	0.1051761	0.7029504	0.4875063

Table 1575: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0506471	0.0231899	-2.184015	0.0369132
L3.Biosynthesis.of.ansamycins	0.0000005	0.0000002	3.040119	0.0048713

Table 1576: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0190033	0.0202354	-0.9391129	0.3551730
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000003	0.0000001	1.8607995	0.0725993

Table 1577: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1578: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0111492	0.0187336	-0.5951445	0.5562099
L3.Biosynthesis.of.type.II.polyketide.products	0.0000778	0.0000450	1.7313377	0.0936653

Table 1579: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0381239	0.0227852	-1.673189	0.1046879
L3.Biosynthesis.of.unsaturated.fatty.acids	0.0000003	0.0000001	2.478426	0.0190455

Table 1580: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0144135	0.0403759	-0.3569820	0.7236042
L3.Biosynthesis.of.vancomycin.group.antibiotics	0.0000003	0.0000007	0.4010512	0.6912247

Table 1581: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0627353	0.0296073	-2.118915	0.0424881
L3.Biotin.metabolism	0.0000005	0.0000002	2.566562	0.0155038

Table 1582: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0856595	0.0308237	-2.779013	0.0093186
L3.Bisphenol.degradation	0.0000019	0.0000006	3.242200	0.0029041

Table 1583: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0239170	0.0183070	-1.306445	0.2013289
L3.Bladder.cancer	0.0000052	0.0000018	2.885601	0.0071714

Table 1584: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0680171	0.0249355	-2.727718	0.0105545
L3.Butanoate.metabolism	0.0000001	0.0000000	3.490588	0.0015142

Table 1585: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0491408	0.0465156	-1.056437	0.2992020
L3.Butirosin.and.neomycin.biosynthesis	0.0000010	0.0000009	1.146354	0.2607105

Table 1586: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0497750	0.0337593	-1.474407	0.1507897
L3.C5.Branched.dibasic.acid.metabolism	0.0000002	0.0000001	1.727619	0.0943398

Table 1587: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1588: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0038008	0.0202214	0.187958	0.8521752
L3.Caffeine.metabolism	-0.0046779	0.0103564	-0.451692	0.6547396

Table 1589: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0039464	0.0207728	-0.1899788	0.8506054
L3.Calcium.signaling.pathway	0.0063142	0.0154297	0.4092268	0.6852803

Table 1590: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0265763	0.0199464	-1.332387	0.1927661
L3.Caprolactam.degradation	0.0000005	0.0000002	2.475960	0.0191545

Table 1591: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0192860	0.0260587	-0.7400975	0.4649938
L3.Carbohydrate.digestion.and.absorption	0.0000009	0.0000009	1.0304511	0.3110348

Table 1592: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0281634	0.0300081	-0.9385288	0.3554680
L3.Carbohydrate.metabolism	0.0000002	0.0000001	1.1744496	0.2494537

Table 1593: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0640302	0.0301044	-2.126941	0.0417625
L3.Carbon.fixation.in.photosynthetic.organisms	0.0000001	0.0000000	2.557520	0.0158370

Table 1594: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0811249	0.0297143	-2.730163	0.0104922
L3.Carbon.fixation.pathways.in.prokaryotes	0.0000001	0.0000000	3.231033	0.0029893

Table 1595: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125386	0.0188561	-0.6649618	0.5111548
L3.Cardiac.muscle.contraction	0.0000203	0.0000112	1.8022251	0.0815666

Table 1596: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043733	0.0210742	0.2075204	0.8370058
L3.Carotenoid.biosynthesis	-0.0000013	0.0000030	-0.4252573	0.6736841

Table 1597: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1598: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cell.cycle...Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0952965	0.0411092	-2.318129	0.0274450
L3.Cell.cycle...Caulobacter	0.0000002	0.0000001	2.538091	0.0165753

Table 1599: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cell.cycle...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1600: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0682014	0.0258231	-2.641103	0.0129945
L3.Cell.division	0.0000011	0.0000003	3.334014	0.0022870

Table 1601: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0631225	0.0269823	-2.339400	0.0261639
L3.Cell.motility.and.secretion	0.0000004	0.0000001	2.932077	0.0063893

Table 1602: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0132617	0.0292590	-0.4532508	0.6536296
L3.Cellular.antigens	0.0000003	0.0000005	0.5818502	0.5650147

Table 1603: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0152802	0.0226135	-0.6757115	0.5043996
L3.Chagas.disease..American.trypanosomiasis.	0.0000023	0.0000020	1.1242382	0.2698274

Table 1604: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0707041	0.0320203	-2.208103	0.0350223
L3.Chaperones.and.folding.catalysts	0.0000001	0.0000000	2.586955	0.0147761

Table 1605: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0763339	0.0326844	-2.33548	0.0263959
L3.Chloroalkane.and.chloroalkene.degradation	0.0000005	0.0000002	2.70775	0.0110757

Table 1606: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0364478	0.0200521	-1.817655	0.0791171
L3.Chlorocyclohexane.and.chlorobenzene.degradation	0.0000027	0.0000009	3.054116	0.0047018

Table 1607: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1608: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0901033	0.0330347	-2.727533	0.0105592
L3.Chromosome	0.0000001	0.0000000	3.119523	0.0039812

Table 1609: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157702	0.0184148	-0.8563838	0.3985746
L3.Chronic.myeloid.leukemia	0.0630806	0.0278406	2.2657784	0.0308432

Table 1610: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0123726	0.0192504	-0.6427211	0.5252872
L3.Circadian.rhythm...plant	0.0086071	0.0052885	1.6275061	0.1140887

Table 1611: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0530780	0.0255812	-2.074885	0.0466710
L3.Citrate.cycle..TCA.cycle.	0.0000001	0.0000000	2.718311	0.0107971

Table 1612: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1613: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.Colorectal.cancer	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1614: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1615: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0539379	0.0288591	-1.869007	0.0714131
L3.Cyanoamino.acid.metabolism	0.0000002	0.0000001	2.312670	0.0277828

Table 1616: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0736836	0.0310025	-2.376699	0.0240480
L3.Cysteine.and.methionine.metabolism	0.0000001	0.0000000	2.802302	0.0088034

Table 1617: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0003180	0.0187423	-0.0169649	0.9865769
L3.Cytochrome.P450	0.0101748	0.1060225	0.0959682	0.9241841

Table 1618: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1619: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1620: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1152606	0.0314590	-3.663836	0.0009531
L3.Cytoskeleton.proteins	0.0000006	0.0000001	4.145031	0.0002560

Table 1621: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1622: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0554463	0.0368200	-1.505875	0.1425571

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Alanine.metabolism	0.0000005	0.0000003	1.714631	0.0967275

Table 1623: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0054297	0.0202795	-0.2677446	0.7907282
L3.D.Arginine.and.D.ornithine.metabolism	0.0000013	0.0000021	0.6259491	0.5360820

Table 1624: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0776119	0.0351847	-2.205842	0.0351960
L3.D.Glutamine.and.D.glutamate.metabolism	0.0000006	0.0000002	2.509341	0.0177262

Table 1625: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0855541	0.0376663	-2.271370	0.0304629
L3.DNA.repair.and.recombination.proteins	0.0000000	0.0000000	2.535645	0.0166704

Table 1626: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0885979	0.0411092	-2.155182	0.0392963
L3.DNA.replication	0.0000002	0.0000001	2.365285	0.0246783

Table 1627: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0952791	0.0388065	-2.455235	0.0200936
L3.DNA.replication.proteins	0.0000001	0.0000000	2.713812	0.0109150

Table 1628: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1629: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0332913	0.0241606	-1.377920	0.1784199
L3.Dioxin.degradation	0.0000004	0.0000002	1.980095	0.0569299

Table 1630: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Drug.metabolism. . . cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0273729	0.0226777	-1.207039	0.2368486
L3.Drug.metabolism. . . cytochrome.P450	0.0000006	0.0000003	1.888676	0.0686380

Table 1631: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Drug.metabolism. . . other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0766812	0.0367804	-2.084837	0.0456950
L3.Drug.metabolism. . . other.enzymes	0.0000003	0.0000001	2.349383	0.0255816

Table 1632: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1633: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0300846	0.0216362	-1.390472	0.1746156
L3.Electron.transfer.carriers	0.0000005	0.0000002	2.259766	0.0312568

Table 1634: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1635: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0040558	0.0192456	0.2107399	0.8345152
L3.Endocytosis	-0.0038172	0.0055849	-0.6834938	0.4995402

Table 1636: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0722527	0.0261242	-2.765733	0.0096248
L3.Energy.metabolism	0.0000001	0.0000000	3.449439	0.0016885

Table 1637: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0783600	0.0285745	-2.742304	0.0101883
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	0.0000012	0.0000004	3.292402	0.0025493

Table 1638: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1639: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0075622	0.0230284	-0.3283870	0.7449003
L3.Ether.lipid.metabolism	0.0000052	0.0000096	0.5440163	0.5904509

Table 1640: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0747767	0.0237923	-3.142894	0.0037503
L3.Ethylbenzene.degradation	0.0000024	0.0000006	4.025512	0.0003560

Table 1641: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1642: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0692056	0.0349528	-1.979972	0.0569443
L3.Fatty.acid.biosynthesis	0.0000002	0.0000001	2.267976	0.0306932

Table 1643: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1644: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0522792	0.0252808	-2.067944	0.0473627
L3.Fatty.acid.metabolism	0.0000002	0.0000001	2.730860	0.0104746

Table 1645: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1646: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0040558	0.0192456	0.2107399	0.8345152
L3.Fc.gamma.R.mediated.phagocytosis	-0.0038172	0.0055849	-0.6834938	0.4995402

Table 1647: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0392655	0.0200833	-1.955131	0.0599401
L3.Flagellar.assembly	0.0000003	0.0000001	3.207476	0.0031768

Table 1648: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0064989	0.0230597	-0.2818313	0.7800080
L3.Flavone.and.flavonol.biosynthesis	0.0000013	0.0000028	0.4668336	0.6439916

Table 1649: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0078754	0.0183258	-0.4297443	0.6704527
L3.Flavonoid.biosynthesis	0.0000071	0.0000044	1.6336201	0.1127914

Table 1650: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0170476	0.0186544	-0.9138673	0.3680733
L3.Fluorobenzoate.degradation	0.0000011	0.0000005	2.2576397	0.0314043

Table 1651: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1652: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0647297	0.0360335	-1.796374	0.0825121
L3.Folate.biosynthesis	0.0000002	0.0000001	2.047201	0.0494839

Table 1653: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0616655	0.028579	-2.157717	0.0390814
L3.Fructose.and.mannose.metabolism	0.0000001	0.000000	2.651260	0.0126834

Table 1654: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0509467	0.0253799	-2.007364	0.0537934
L3.Function.unknown	0.0000000	0.0000000	2.654093	0.0125978

Table 1655: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1656: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1657: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0450592	0.038517	-1.169853	0.2512706
L3.Galactose.metabolism	0.0000001	0.000000	1.321905	0.1961914

Table 1658: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1659: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0834384	0.0308775	-2.702236	0.0112239

	Estimate	Std. Error	t value	Pr(>|t|)
L3.General.function.prediction.only	0.0000000	0.0000000	3.158281	0.0036053

Table 1660: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0297982	0.0207871	-1.433493	0.1620578
L3.Geraniol.degradation	0.0000004	0.0000002	2.446686	0.0204933

Table 1661: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010205	0.0208477	-0.0489496	0.9612839
L3.Germination	0.0000003	0.0000024	0.1050599	0.9170275

Table 1662: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1663: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0731315	0.0366274	-1.996631	0.0550092
L3.Glutamatergic.synapse	0.0000010	0.0000004	2.256294	0.0314979

Table 1664: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0444354	0.0273124	-1.626929	0.1142117
L3.Glutathione.metabolism	0.0000002	0.0000001	2.096850	0.0445408

Table 1665: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1666: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0429347	0.0193859	-2.214733	0.0345173
L3.Glycan.biosynthesis.and.metabolism	0.0000008	0.0000002	3.635120	0.0010295

Table 1667: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0708212	0.0279587	-2.533061	0.0167715
L3.Glycerolipid.metabolism	0.0000002	0.0000001	3.094821	0.0042400

Table 1668: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0774490	0.0275128	-2.815018	0.0085335
L3.Glycerophospholipid.metabolism	0.0000002	0.0000001	3.422348	0.0018136

Table 1669: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0607854	0.0318106	-1.910855	0.0656209
L3.Glycine..serine.and.threonine.metabolism	0.0000001	0.0000000	2.263507	0.0309988

Table 1670: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycolysis...Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0676558	0.0328129	-2.061869	0.0479754
L3.Glycolysis...Gluconeogenesis	0.0000001	0.0000000	2.405096	0.0225428

Table 1671: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0055451	0.0184347	0.3007982	0.7656432
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	-0.0221805	0.0169169	-1.3111491	0.1997550

Table 1672: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0037407	0.0306927	-0.1218758	0.9038101
L3.Glycosaminoglycan.degradation	0.0000001	0.0000003	0.1524717	0.8798358

Table 1673: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0245110	0.0289550	0.8465197	0.4039652
L3.Glycosphingolipid.biosynthesis...ganglio.series	-0.0000005	0.0000005	-1.0844792	0.2867911

Table 1674: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis...globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0042660	0.0321317	0.1327674	0.8952639
L3.Glycosphingolipid.biosynthesis...globo.series	-0.0000001	0.0000003	-0.1621304	0.8722903

Table 1675: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0020516	0.0188921	-0.1085964	0.9142457
L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series	0.0000150	0.0000319	0.4706297	0.6413091

Table 1676: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1677: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0482842	0.0325201	-1.484752	0.1480422
L3.Glycosyltransferases	0.0000001	0.0000001	1.764096	0.0878980

Table 1678: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0577287	0.0240032	-2.40504	0.0225457
L3.Glyoxylate.and.dicarboxylate.metabolism	0.0000001	0.0000000	3.21267	0.0031345

Table 1679: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0040558	0.0192456	0.2107399	0.8345152
L3.GnRH.signaling.pathway	-0.0038172	0.0055849	-0.6834938	0.4995402

Table 1680: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1681: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1682: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1683: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0900412	0.0350786	-2.566842	0.0154936
L3.Histidine.metabolism	0.0000002	0.0000001	2.899125	0.0069349

Table 1684: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0884921	0.0396023	-2.234518	0.0330489

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Homologous.recombination	0.0000001	0.0000000	2.468228	0.0195000

Table 1685: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0679309	0.0287655	-2.361545	0.0248882
L3.Huntington.s.disease	0.0000016	0.0000005	2.869669	0.0074596

Table 1686: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0110197	0.0177905	-0.6194128	0.5403205
L3.Hypertrophic.cardiomyopathy..HCM.	0.0028438	0.0012761	2.2285822	0.0334835

Table 1687: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0098790	0.0210456	-0.4694081	0.6421718
L3.Indole.alkaloid.biosynthesis	0.0175626	0.0188237	0.9330031	0.3582672

Table 1688: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.Influenza.A	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1689: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0364305	0.0237828	-1.531802	0.1360499
L3.Inorganic.ion.transport.and.metabolism	0.0000001	0.0000001	2.205970	0.0351861

Table 1690: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0291944	0.0226135	-1.291014	0.2065590

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Inositol.phosphate.metabolism	0.0000002	0.0000001	2.008337	0.0536843

Table 1691: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0455647	0.0359770	-1.266497	0.2150809
L3.Insulin.signaling.pathway	0.0000007	0.0000005	1.458140	0.1551922

Table 1692: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0182235	0.0320760	-0.5681362	0.5741707
L3.Ion.channels	0.0000005	0.0000007	0.6918488	0.4943524

Table 1693: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0103027	0.0178930	-0.5757976	0.5690466
L3.Isoflavonoid.biosynthesis	0.0055879	0.0026463	2.1116161	0.0431576

Table 1694: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0533782	0.0250579	-2.130193	0.0414716
L3.Isoquinoline.alkaloid.biosynthesis	0.0000010	0.0000004	2.818170	0.0084678

Table 1695: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1696: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1697: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0552507	0.0224763	-2.458175	0.0199579
L3.Limonene.and.pinene.degradation	0.0000006	0.0000002	3.423739	0.0018070

Table 1698: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0789647	0.0335420	-2.354201	0.0253048
L3.Linoleic.acid.metabolism	0.0000021	0.0000008	2.706148	0.0111186

Table 1699: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0652959	0.0335665	-1.945269	0.0611670
L3.Lipid.biosynthesis.proteins	0.0000001	0.0000001	2.258602	0.0313374

Table 1700: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0477152	0.0240178	-1.986655	0.0561611
L3.Lipid.metabolism	0.0000004	0.0000001	2.734906	0.0103725

Table 1701: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0217161	0.0314427	-0.6906570	0.4950906
L3.Lipoic.acid.metabolism	0.0000004	0.0000005	0.8477394	0.4032961

Table 1702: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0399639	0.0234158	-1.706709	0.0982086
L3.Lipopolysaccharide.biosynthesis	0.0000002	0.0000001	2.455587	0.0200774

Table 1703: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0423932	0.0247981	-1.709531	0.0976789
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000001	0.0000000	2.343555	0.0259201

Table 1704: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1705: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1706: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0906871	0.0361291	-2.510085	0.0176955
L3.Lysine.biosynthesis	0.0000001	0.0000001	2.817334	0.0084852

Table 1707: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0485245	0.0220846	-2.197211	0.0358663
L3.Lysine.degradation	0.0000003	0.0000001	3.178406	0.0034237

Table 1708: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0197979	0.0306463	0.6460128	0.5231824
L3.Lysosome	-0.0000002	0.0000002	-0.8042488	0.4275808

Table 1709: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1710: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0631186	0.0363049	-1.738568	0.0923657
L3.MAPK.signaling.pathway. . . yeast	0.0000014	0.0000007	1.979268	0.0570274

Table 1711: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1712: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0067982	0.0205454	0.3308869	0.7430300
L3.Meiosis. . . yeast	-0.0000021	0.0000029	-0.7263605	0.4732474

Table 1713: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0106905	0.0186534	-0.573111	0.5708408
L3.Melanogenesis	0.0000774	0.0000448	1.726838	0.0944819

Table 1714: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0441992	0.0252286	-1.751950	0.0900004
L3.Membrane.and.intracellular.structural.molecules	0.0000001	0.0000000	2.364109	0.0247442

Table 1715: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0514312	0.0240456	-2.138901	0.0407017
L3.Metabolism.of.cofactors.and.vitamins	0.0000004	0.0000001	2.908605	0.0067736

Table 1716: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0258059	0.0225053	-1.146655	0.2605878
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	0.0000005	0.0000003	1.824372	0.0780707

Table 1717: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0799743	0.0337207	-2.371670	0.0243239
L3.Methane.metabolism	0.0000001	0.0000000	2.720701	0.0107350

Table 1718: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041715	0.0227217	-0.1835912	0.8555694
L3.Mineral.absorption	0.0000024	0.0000076	0.3135614	0.7560241

Table 1719: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0963174	0.0391886	-2.457789	0.0199757
L3.Mismatch.repair	0.0000001	0.0000001	2.710932	0.0109911

Table 1720: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0065855	0.0247530	0.2660504	0.7920204
L3.N.Glycan.biosynthesis	-0.0000005	0.0000012	-0.3977786	0.6936099

Table 1721: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0884153	0.0252868	-3.496504	0.0014906
L3.NOD.like.receptor.signaling.pathway	0.0000035	0.0000008	4.274402	0.0001787

Table 1722: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0749228	0.0343929	-2.178435	0.0373640
L3.Naphthalene.degradation	0.0000006	0.0000002	2.496028	0.0182836

Table 1723: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1724: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1725: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0784761	0.0327154	-2.398750	0.0228715
L3.Nicotinate.and.nicotinamide.metabolism	0.0000002	0.0000001	2.775509	0.0093985

Table 1726: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0588749	0.0280886	-2.096044	0.0446174
L3.Nitrogen.metabolism	0.0000001	0.0000000	2.603683	0.0142029

Table 1727: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0653162	0.0198131	-3.296622	0.0025214
L3.Nitrotoluene.degradation	0.0000010	0.0000002	4.671424	0.0000588

Table 1728: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0150496	0.0204373	-0.7363809	0.4672185
L3.Non.homologous.end.joining	0.0000132	0.0000088	1.4977598	0.1446447

Table 1729: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157702	0.0184148	-0.8563838	0.3985746
L3.Notch.signaling.pathway	0.0630806	0.0278406	2.2657784	0.0308432

Table 1730: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0831882	0.0288032	-2.888156	0.0071261
L3.Novobiocin.biosynthesis	0.0000008	0.0000002	3.438119	0.0017397

Table 1731: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0932120	0.0430203	-2.166699	0.0383284
L3.Nucleotide.excision.repair	0.0000003	0.0000001	2.357312	0.0251275

Table 1732: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0346999	0.0224428	-1.546147	0.1325541
L3.Nucleotide.metabolism	0.0000004	0.0000002	2.358236	0.0250751

Table 1733: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1734: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0713124	0.0413021	-1.726603	0.0945247
L3.One.carbon.pool.by.folate	0.0000001	0.0000001	1.904423	0.0664838

Table 1735: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1736: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0284285	0.0325782	0.8726243	0.3897990
L3.Other.glycan.degradation	-0.0000001	0.0000001	-1.0500289	0.3020903

Table 1737: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0606954	0.0253429	-2.394967	0.0230696
L3.Other.ion.coupled.transporters	0.0000000	0.0000000	3.096166	0.0042255

Table 1738: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0692245	0.0252510	-2.74146	0.0102092
L3.Other.transporters	0.0000003	0.0000001	3.48221	0.0015482

Table 1739: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1740: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0687392	0.0304117	-2.260292	0.0312204
L3.Others	0.0000001	0.0000000	2.694522	0.0114342

Table 1741: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0872230	0.0322894	-2.701291	0.0112494
L3.Oxidative.phosphorylation	0.0000001	0.0000000	3.112537	0.0040529

Table 1742: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0236810	0.0392851	-0.6027983	0.5511729
L3.PPAR.signaling.pathway	0.0000003	0.0000005	0.6813147	0.5008982

Table 1743: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1744: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1745: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0748444	0.0347975	-2.150853	0.0396657

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Pantothenate.and.CoA.biosynthesis	0.0000001	0.0000001	2.457535	0.0199874

Table 1746: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127588	0.0189112	-0.6746707	0.5050515
L3.Parkinson.s.disease	0.0000202	0.0000112	1.7981006	0.0822322

Table 1747: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0054106	0.0190204	-0.2844613	0.7780113
L3.Pathogenic.Escherichia.coli.infection	0.0038475	0.0039960	0.9628411	0.3433245

Table 1748: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0803472	0.0225824	-3.557951	0.0012657
L3.Pathways.in.cancer	0.0000024	0.0000005	4.569007	0.0000784

Table 1749: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0087650	0.0297285	0.2948349	0.7701508
L3.Penicillin.and.cephalosporin.biosynthesis	-0.0000003	0.0000007	-0.3754603	0.7099599

Table 1750: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0427223	0.0242733	-1.760052	0.0885932
L3.Pentose.and.glucuronate.interconversions	0.0000001	0.0000000	2.444880	0.0205786

Table 1751: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0720607	0.0304036	-2.370140	0.0244084

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Pentose.phosphate.pathway	0.0000001	0.0000000	2.815392	0.0085257

Table 1752: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0844932	0.0336222	-2.513017	0.0175750
L3.Peptidases	0.0000000	0.0000000	2.875201	0.0073583

Table 1753: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0654493	0.0394157	-1.660490	0.1072340
L3.Peptidoglycan.biosynthesis	0.0000001	0.0000000	1.852567	0.0738061

Table 1754: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0336628	0.0349005	-0.9645378	0.3424876
L3.Peroxisome	0.0000002	0.0000002	1.1274445	0.2684916

Table 1755: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0215930	0.0195560	-1.104163	0.2783002
L3.Pertussis	0.0000002	0.0000001	2.257709	0.0313995

Table 1756: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1757: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0409214	0.0213147	-1.919868	0.0644282
L3.Phenylalanine.metabolism	0.0000002	0.0000001	2.961572	0.0059355

Table 1758: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0636372	0.0363467	-1.750837	0.0901950
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000001	0.0000000	1.992117	0.0555279

Table 1759: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0320449	0.0279962	-1.144616	0.2614187
L3.Phenylpropanoid.biosynthesis	0.0000002	0.0000001	1.483419	0.1483939

Table 1760: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0576373	0.0387780	-1.486338	0.1476244
L3.Phosphatidylinositol.signaling.system	0.0000006	0.0000004	1.669235	0.1054753

Table 1761: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0557139	0.0289246	-1.926174	0.0636047
L3.Phosphonate.and.phosphinate.metabolism	0.0000008	0.0000003	2.375387	0.0241197

Table 1762: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0510548	0.0234959	-2.172920	0.0378145
L3.Phosphotransferase.system..PTS.	0.0000001	0.0000000	2.997473	0.0054243

Table 1763: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0820598	0.0427803	-1.918169	0.0646515
L3.Photosynthesis	0.0000003	0.0000001	2.095695	0.0446506

Table 1764: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Photosynthesis...antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0061580	0.0211830	-0.2907044	0.7732777
L3.Photosynthesis...antenna.proteins	0.0005355	0.0009207	0.5815805	0.5651941

Table 1765: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0854670	0.0415449	-2.057221	0.0484489
L3.Photosynthesis.proteins	0.0000003	0.0000001	2.256208	0.0315039

Table 1766: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1767: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Phototransduction...fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1768: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1032969	0.0287523	-3.592653	0.0011536
L3.Plant.pathogen.interaction	0.0000009	0.0000002	4.177319	0.0002341

Table 1769: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0760684	0.0403826	-1.883692	0.0693322
L3.Polycyclic.aromatic.hydrocarbon.degradation	0.0000008	0.0000004	2.083188	0.0458554

Table 1770: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0152585	0.0386841	0.3944377	0.6960481
L3.Polyketide.sugar.unit.biosynthesis	-0.0000001	0.0000002	-0.4483281	0.6571378

Table 1771: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0386121	0.0241395	-1.599543	0.1201801
L3.Pores.ion.channels	0.0000001	0.0000000	2.260210	0.0312261

Table 1772: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0705746	0.0255759	-2.759422	0.0097737
L3.Porphyrin.and.chlorophyll.metabolism	0.0000001	0.0000000	3.478780	0.0015623

Table 1773: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0901029	0.0384519	-2.343264	0.0259371
L3.Prenyltransferases	0.0000004	0.0000001	2.600231	0.0143195

Table 1774: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0230017	0.0362677	-0.6342209	0.5307435
L3.Primary.bile.acid.biosynthesis	0.0000010	0.0000014	0.7344055	0.4684035

Table 1775: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0756373	0.0381331	-1.983507	0.0565288
L3.Primary.immunodeficiency	0.0000013	0.0000006	2.219132	0.0341859

Table 1776: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0378436	0.0180505	-2.096543	0.0445700
L3.Prion.diseases	0.0000057	0.0000015	3.834741	0.0006001

Table 1777: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0893375	0.0237958	-3.754342	0.0007465
L3.Progesterone.mediated.oocyte.maturation	0.0000038	0.0000008	4.653592	0.0000619

Table 1778: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0630429	0.0280091	-2.250803	0.0318827
L3.Propanoate.metabolism	0.0000001	0.0000000	2.781036	0.0092727

Table 1779: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0763085	0.0250039	-3.051867	0.0047286
L3.Prostate.cancer	0.0000030	0.0000008	3.831558	0.0006053

Table 1780: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1083891	0.0363370	-2.982890	0.0056267
L3.Proteasome	0.0000038	0.0000011	3.311839	0.0024234

Table 1781: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0287957	0.0254916	1.129615	0.2675900
L3.Protein.digestion.and.absorption	-0.0000017	0.0000011	-1.572476	0.1263287

Table 1782: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0732114	0.0403017	-1.816582	0.0792854
L3.Protein.export	0.0000001	0.0000001	2.011808	0.0532967

Table 1783: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0602660	0.0295839	-2.037126	0.0505440
L3.Protein.folding.and.associated.processing	0.0000001	0.0000000	2.475764	0.0191632

Table 1784: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0453596	0.0265860	-1.706149	0.0983140
L3.Protein.kinases	0.0000001	0.0000001	2.227376	0.0335724

Table 1785: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0527089	0.0320510	-1.644532	0.1105063
L3.Protein.processing.in.endoplasmic.reticulum	0.0000013	0.0000007	1.957018	0.0597079

Table 1786: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0323869	0.0219577	-1.474967	0.1506398
L3.Proximal.tubule.bicarbonate.reclamation	0.0000013	0.0000006	2.326609	0.0269276

Table 1787: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.076545	0.0367643	-2.082045	0.0459669
L3.Purine.metabolism	0.000000	0.0000000	2.346630	0.0257410

Table 1788: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0804562	0.0393166	-2.046365	0.0495710
L3.Pyrimidine.metabolism	0.0000001	0.0000000	2.270814	0.0305005

Table 1789: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0578788	0.0301588	-1.919131	0.0645250
L3.Pyruvate.metabolism	0.0000001	0.0000000	2.322534	0.0271751

Table 1790: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0234840	0.0218117	-1.076669	0.2902103
L3.RIG.I.like.receptor.signaling.pathway	0.0000163	0.0000090	1.807621	0.0807027

Table 1791: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0856458	0.0383121	-2.235474	0.0329794
L3.RNA.degradation	0.0000002	0.0000001	2.487332	0.0186564

Table 1792: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0626563	0.0405016	-1.547006	0.1323471
L3.RNA.polymerase	0.0000004	0.0000003	1.717763	0.0961472

Table 1793: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0625599	0.0326741	-1.914665	0.0651144
L3.RNA.transport	0.0000006	0.0000003	2.245517	0.0322572

Table 1794: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1795: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0357152	0.0205024	-1.742006	0.0917530
L3.Renal.cell.carcinoma	0.0000035	0.0000012	2.880770	0.0072577

Table 1796: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0065478	0.0179780	-0.3642109	0.7182551
L3.Renin.angiotensin.system	0.0003551	0.0002037	1.7430360	0.0915701

Table 1797: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0986296	0.0303574	-3.248948	0.0028538
L3.Replication..recombination.and.repair.proteins	0.0000002	0.0000000	3.754772	0.0007456

Table 1798: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0415958	0.0335514	-1.239762	0.2246739
L3.Restriction.enzyme	0.0000003	0.0000002	1.463357	0.1537694

Table 1799: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0218370	0.0261800	-0.8341067	0.4108136
L3.Retinol.metabolism	0.0000006	0.0000005	1.1518523	0.2584788

Table 1800: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1801: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0681178	0.0257785	-2.642430	0.0129535
L3.Riboflavin.metabolism	0.0000003	0.0000001	3.338414	0.0022609

Table 1802: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0802087	0.0415103	-1.932259	0.0628189
L3.Ribosome	0.0000000	0.0000000	2.123162	0.0421027

Table 1803: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0785825	0.0340627	-2.306997	0.0281378
L3.Ribosome.Biogenesis	0.0000001	0.0000000	2.642794	0.0129422

Table 1804: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0701144	0.0370135	-1.894295	0.0678625
L3.Ribosome.biogenesis.in.eukaryotes	0.0000016	0.0000008	2.138834	0.0407076

Table 1805: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1806: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0210193	0.0362588	-0.5797011	0.5664447
L3.Secondary.bile.acid.biosynthesis	0.0000010	0.0000014	0.6716614	0.5069389

Table 1807: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0467358	0.0243881	-1.916336	0.0648933
L3.Secretion.system	0.0000000	0.0000000	2.621541	0.0136138

Table 1808: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0673497	0.0315020	-2.137951	0.0407851
L3.Selenocompound.metabolism	0.0000002	0.0000001	2.524702	0.0171024

Table 1809: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1810: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0255809	0.0186236	-1.373575	0.1797520
L3.Shigellosis	0.0136432	0.0047593	2.866647	0.0075155

Table 1811: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs
L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0765032	0.0285310	-2.681405	0.0118003
L3.Signal.transduction.mechanisms	0.0000002	0.0000001	3.228808	0.0030065

Table 1812: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.Small.cell.lung.cancer	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1813: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.006046	0.0324546	0.1862928	0.8534692
L3.Sphingolipid.metabolism	0.000000	0.0000002	-0.2263506	0.8224639

Table 1814: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1815: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0539448	0.0219965	-2.452427	0.0202241
L3.Sporulation	0.0000002	0.0000000	3.474138	0.0015816

Table 1816: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0220482	0.0219295	1.005414	0.3227385
L3.Staphylococcus.aureus.infection	-0.0000005	0.0000003	-1.690487	0.1013011

Table 1817: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0583935	0.0324145	-1.801462	0.0816893
L3.Starch.and.sucrose.metabolism	0.0000001	0.0000000	2.125373	0.0419034

Table 1818: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	5.2e-05	0.0205744	0.0025290	0.9979989
L3.Steroid.biosynthesis	-1.0e-06	0.0001695	-0.0057147	0.9954782

Table 1819: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0124049	0.0227731	-0.5447156	0.5899758
L3.Steroid.hormone.biosynthesis	0.0000007	0.0000008	0.9064359	0.3719284

Table 1820: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0081514	0.0194508	-0.4190807	0.6781427
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	0.0000051	0.0000045	1.1318082	0.2666812

Table 1821: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0185633	0.0384640	-0.4826145	0.6328725
L3.Streptomycin.biosynthesis	0.0000001	0.0000001	0.5492033	0.5869310

Table 1822: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0179218	0.0186657	-0.9601453	0.3446572
L3.Styrene.degradation	0.0000007	0.0000003	2.3187059	0.0274095

Table 1823: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0599919	0.0313633	-1.912804	0.0653614
L3.Sulfur.metabolism	0.0000002	0.0000001	2.278148	0.0300076

Table 1824: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0595280	0.0239318	-2.487400	0.0186535
L3.Sulfur.relay.system	0.0000002	0.0000001	3.310186	0.0024338

Table 1825: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0578425	0.0243872	-2.371836	0.0243147
L3.Synthesis.and.degradation.of.ketone.bodies	0.0000017	0.0000005	3.143136	0.0037480

Table 1826: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0117618	0.0187457	-0.6274398	0.5351178
L3.Systemic.lupus.erythematosus	0.0000799	0.0000448	1.7817810	0.0849113

Table 1827: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1828: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0502902	0.0345091	-1.457304	0.1554214
L3.Taurine.and.hypotaurine.metabolism	0.0000005	0.0000003	1.695064	0.1004204

Table 1829: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0940723	0.0385531	-2.440070	0.0208074
L3.Terpenoid.backbone.biosynthesis	0.0000002	0.0000001	2.701544	0.0112426

Table 1830: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0744032	0.0337272	-2.206027	0.0351817
L3.Tetracycline.biosynthesis	0.0000006	0.0000002	2.540957	0.0164644

Table 1831: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0859864	0.0344550	-2.495615	0.0183012
L3.Thiamine.metabolism	0.0000002	0.0000001	2.836824	0.0080887

Table 1832: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1833: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0265396	0.0196887	-1.347958	0.1877631
L3.Toluene.degradation	0.0000002	0.0000001	2.553526	0.0159862

Table 1834: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.Toxoplasmosis	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1835: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0529215	0.0243051	-2.177382	0.0374497
L3.Transcription.factors	0.0000000	0.0000000	2.930608	0.0064127

Table 1836: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0928977	0.0384508	-2.416013	0.0219874
L3.Transcription.machinery	0.0000001	0.0000001	2.677575	0.0119092

Table 1837: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0241736	0.0187161	-1.291597	0.2063595
L3.Transcription.related.proteins	0.0000017	0.0000006	2.738048	0.0102939

Table 1838: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0881443	0.0381078	-2.313028	0.0277605
L3.Translation.factors	0.0000002	0.0000001	2.573244	0.0152618

Table 1839: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0843569	0.0335446	-2.514769	0.0175034
L3.Translation.proteins	0.0000001	0.0000000	2.879011	0.0072893

Table 1840: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0558336	0.0272273	-2.050653	0.0491252
L3.Transporters	0.0000000	0.0000000	2.594012	0.0145317

Table 1841: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0767017	0.0242103	-3.168145	0.0035152
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	0.0000007	0.0000002	4.016085	0.0003653

Table 1842: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0357272	0.0214923	-1.662330	0.1068620
L3.Tryptophan.metabolism	0.0000002	0.0000001	2.625801	0.0134766

Table 1843: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0762341	0.0436524	-1.746388	0.0909771
L3.Tuberculosis	0.0000007	0.0000004	1.904746	0.0664403

Table 1844: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0578992	0.0233961	-2.474734	0.0192089
L3.Two.component.system	0.0000000	0.0000000	3.345727	0.0022180

Table 1845: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0676590	0.0437296	-1.547215	0.1322970
L3.Type.I.diabetes.mellitus	0.0000016	0.0000010	1.690691	0.1012618

Table 1846: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0890748	0.0326412	-2.728903	0.0105243
L3.Type.II.diabetes.mellitus	0.0000020	0.0000006	3.131855	0.0038577

Table 1847: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0611432	0.0273510	-2.235503	0.0329773
L3.Tyrosine.metabolism	0.0000002	0.0000001	2.796449	0.0089303

Table 1848: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0321038	0.0226959	-1.414519	0.1675054
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	0.0000002	0.0000001	2.161607	0.0387537

Table 1849: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0138327	0.0220738	-0.6266542	0.5356258
L3.Ubiquitin.system	0.0000010	0.0000009	1.0938796	0.2827135

Table 1850: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1851: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0550811	0.0379434	-1.451665	0.1569731
L3.Valine..leucine.and.isoleucine.biosynthesis	0.0000001	0.0000001	1.640508	0.1113445

Table 1852: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0529783	0.0258233	-2.051570	0.0490303
L3.Valine..leucine.and.isoleucine.degradation	0.0000002	0.0000001	2.675719	0.0119623

Table 1853: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0090086	0.0209896	0.4291959	0.6708473
L3.Various.types.of.N.glycan.biosynthesis	-0.0090086	0.0104138	-0.8650721	0.3938644

Table 1854: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1855: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0033392	0.0191543	0.1743341	0.8627741
L3.Vasopressin.regulated.water.reabsorption	-0.0133570	0.0221175	-0.6039109	0.5504427

Table 1856: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0197826	0.0185515	-1.066364	0.2947661
L3.Vibrio.cholerae.infection	0.0275237	0.0110010	2.501920	0.0180350

Table 1857: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0675423	0.0245827	-2.747552	0.0100595
L3.Vibrio.cholerae.pathogenic.cycle	0.0000010	0.0000003	3.539315	0.0013302

Table 1858: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.Viral.myocarditis	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1859: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0510232	0.0300151	-1.699920	0.0994931
L3.Vitamin.B6.metabolism	0.0000003	0.0000002	2.077294	0.0464331

Table 1860: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157702	0.0184148	-0.8563838	0.3985746
L3.Wnt.signaling.pathway	0.0630806	0.0278406	2.2657784	0.0308432

Table 1861: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0442712	0.0254911	-1.736732	0.0926943
L3.Xylene.degradation	0.0000007	0.0000003	2.328460	0.0268159

Table 1862: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0607741	0.0455465	-1.334331	0.1921359
L3.Zeatin.biosynthesis	0.0000014	0.0000010	1.450138	0.1573955

Table 1863: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0204531	0.0187036	-1.093541	0.2828596
L3.alpha.Linolenic.acid.metabolism	0.0000016	0.0000006	2.487284	0.0186585

Table 1864: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0515798	0.0227594	-2.266310	0.0308069
L3.beta.Alanine.metabolism	0.0000003	0.0000001	3.178478	0.0034231

Table 1865: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0036830	0.0330006	0.1116040	0.9118808
L3.beta.Lactam.resistance	-0.0000002	0.0000013	-0.1345879	0.8938366

Table 1866: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1867: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.01815	0	1

Table 1868: diversity_vs_picrust_L3_neo: wunifrac.PC.4 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023607	0.0203867	0.1157948	0.9085868
L3.p53.signaling.pathway	-0.0001988	0.0007344	-0.2707040	0.7884725

Table 1869: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0715535	0.1599888	0.4472403	0.6597584
L1.Cellular.Processes	0.0000000	0.0000001	-0.5294249	0.6026424

Table 1870: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1389774	0.1610464	0.862965	0.3989191
L1.Environmental.Information.Processing	0.0000000	0.0000000	-1.011505	0.3244836

Table 1871: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0904471	0.1890295	0.4784814	0.6377674
L1.Genetic.Information.Processing	0.0000000	0.0000000	-0.5366573	0.5977329

Table 1872: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0438817	0.1927200	0.2276965	0.8223145
L1.Human.Diseases	-0.0000001	0.0000004	-0.2545070	0.8018381

Table 1873: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.064046	0.1950207	0.3284061	0.7461964
L1.Metabolism	0.000000	0.0000000	-0.3658461	0.7185215

Table 1874: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1499628	0.1644843	0.9117149	0.3733420
L1.None	-0.0000012	0.0000011	-1.0595528	0.3026327

Table 1875: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0674073	0.1973179	-0.3416177	0.7363879
L1.Organismal.Systems	0.0000001	0.0000004	0.3794832	0.7085372

Table 1876: diversity_vs_picrust_L1_yr1: wunifrac.PC.1 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0738484	0.1933793	0.3818836	0.7067853
L1.Unclassified	0.0000000	0.0000000	-0.4261665	0.6747756

Table 1877: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0747068	0.0658356	1.134747	0.2705951
L1.Cellular.Processes	0.0000000	0.0000000	-1.343267	0.1950113

Table 1878: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1004275	0.0653061	1.537795	0.1405861
L1.Environmental.Information.Processing	0.0000000	0.0000000	-1.802492	0.0873547

Table 1879: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0822048	0.0786161	1.045648	0.3088451
L1.Genetic.Information.Processing	0.0000000	0.0000000	-1.172782	0.2553776

Table 1880: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0633280	0.0809061	0.7827345	0.4434302
L1.Human.Diseases	-0.0000001	0.0000002	-0.8748986	0.3925547

Table 1881: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0750307	0.0814286	0.921429	0.3683791
L1.Metabolism	0.0000000	0.0000000	-1.026477	0.3175586

Table 1882: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0922736	0.0680465	1.356037	0.1909859
L1.None	-0.0000007	0.0000004	-1.575923	0.1315481

Table 1883: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0370730	0.0841350	0.4406365	0.6644487
L1.Organismal.Systems	-0.0000001	0.0000002	-0.4894774	0.6301070

Table 1884: diversity_vs_picrust_L1_yr1: wunifrac.PC.2 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0806561	0.0804474	1.002593	0.3286557
L1.Unclassified	0.0000000	0.0000000	-1.118853	0.2771492

Table 1885: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0250588	0.0458933	0.5460232	0.5914043
L1.Cellular.Processes	0.0000000	0.0000000	-0.6463601	0.5257775

Table 1886: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0208734	0.0472608	0.4416634	0.6637184
L1.Environmental.Information.Processing	0.0000000	0.0000000	-0.5176858	0.6106528

Table 1887: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0282729	0.0543428	0.5202694	0.6088855
L1.Genetic.Information.Processing	0.0000000	0.0000000	-0.5835260	0.5664025

Table 1888: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348678	0.0548496	0.6356974	0.5325565
L1.Human.Diseases	-0.0000001	0.0000001	-0.7105485	0.4859953

Table 1889: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0286559	0.0558608	0.5129876	0.6138729
L1.Metabolism	0.0000000	0.0000000	-0.5714709	0.5743792

Table 1890: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181346	0.0484891	0.3739930	0.7125505
L1.None	-0.0000001	0.0000003	-0.4346373	0.6687220

Table 1891: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0365108	0.0562532	0.6490438	0.5240787
L1.Organismal.Systems	-0.0000001	0.0000001	-0.7209850	0.4796969

Table 1892: diversity_vs_picrust_L1_yr1: wunifrac.PC.3 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0309086	0.0553717	0.5582019	0.5832252
L1.Unclassified	0.0000000	0.0000000	-0.6229305	0.5407359

Table 1893: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Cellular.Processes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0021905	0.0394497	-0.0555260	0.9562992
L1.Cellular.Processes	0.0000000	0.0000000	0.0657294	0.9482800

Table 1894: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Environmental.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.015335	0.0402622	-0.3808781	0.7075190
L1.Environmental.Information.Processing	0.000000	0.0000000	0.4464377	0.6603276

Table 1895: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0006714	0.0466247	0.014401	0.9886602
L1.Genetic.Information.Processing	0.0000000	0.0000000	-0.016152	0.9872815

Table 1896: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Human.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0030966	0.0472528	-0.0655320	0.9484350
L1.Human.Diseases	0.0000000	0.0000001	0.0732482	0.9423743

Table 1897: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0044943	0.0478965	-0.0938342	0.9262234
L1.Metabolism	0.0000000	0.0000000	0.1045318	0.9178430

Table 1898: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.None

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0086266	0.0413755	-0.2084964	0.8370603
L1.None	0.0000001	0.0000003	0.2423048	0.8111402

Table 1899: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Organismal.Systems

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0188599	0.0482486	0.3908899	0.7002272
L1.Organismal.Systems	0.0000000	0.0000001	-0.4342168	0.6690220

Table 1900: diversity_vs_picrust_L1_yr1: wunifrac.PC.4 vs L1.Unclassified

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0081851	0.0475201	-0.1722444	0.8650668
L1.Unclassified	0.0000000	0.0000000	0.1922177	0.8496112

Table 1901: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0829551	0.191823	0.4324566	0.6702782
L2.Amino.Acid.Metabolism	0.0000000	0.000000	-0.4834076	0.6343303

Table 1902: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.012392	0.1923201	0.0644343	0.9492975
L2.Biosynthesis.of.Other.Secondary.Metabolites	0.000000	0.0000003	-0.0720870	0.9432861

Table 1903: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0340315	0.1821124	0.1868707	0.8537429
L2.Cancers	-0.0000005	0.0000026	-0.2120997	0.8342880

Table 1904: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0498785	0.191125	0.2609731	0.7969210
L2.Carbohydrate.Metabolism	0.0000000	0.000000	-0.2922730	0.7732455

Table 1905: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063812	0.0881433	-0.0723956	0.9430438
L2.Cardiovascular.Diseases	0.0000227	0.0000686	0.3301887	0.7448703

Table 1906: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 1907: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0799902	0.1903760	0.4201694	0.6790752
L2.Cell.Growth.and.Death	-0.0000003	0.0000005	-0.4706075	0.6432786

Table 1908: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0829971	0.1427444	0.5814385	0.5677796
L2.Cell.Motility	-0.0000001	0.0000001	-0.7241123	0.4778190

Table 1909: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.052086	0.1962355	0.2654261	0.7935397
L2.Cellular.Processes.and.Signaling	0.000000	0.0000001	-0.2953329	0.7709427

Table 1910: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0066104	0.0885973	-0.0746117	0.9413036
L2.Circulatory.System	0.0000072	0.0000230	0.3118956	0.7585167

Table 1911: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3124370	0.1773799	-1.761400	0.0942553
L2.Digestive.System	0.0000113	0.0000058	1.964984	0.0642092

Table 1912: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0992466	0.1988644	-0.4990665	0.6234616
L2.Endocrine.System	0.0000005	0.0000009	0.5528509	0.5868118

Table 1913: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0740127	0.1909491	0.3876046	0.7026166
L2.Energy.Metabolism	0.0000000	0.0000000	-0.4338976	0.6692497

Table 1914: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0717799	0.1725256	0.4160535	0.6820326
L2.Environmental.Adaptation	-0.0000007	0.0000015	-0.4794304	0.6371046

Table 1915: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0799088	0.1908135	0.4187795	0.6800733
L2.Enzyme.Families	-0.0000001	0.0000001	-0.4687828	0.6445588

Table 1916: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2605411	0.1401667	-1.858795	0.0786171
L2.Excretory.System	0.0000187	0.0000084	2.222452	0.0385906

Table 1917: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0487214	0.1987565	0.2451313	0.8089829
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000001	-0.2719586	0.7885871

Table 1918: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1156575	0.1888016	0.6125877	0.5474116
L2.Genetic.Information.Processing	-0.0000001	0.0000001	-0.6864479	0.5007230

Table 1919: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1212476	0.2211339	-0.5482997	0.5898711
L2.Glycan.Biosynthesis.and.Metabolism	0.0000001	0.0000001	0.5944809	0.5592038

Table 1920: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0073489	0.1950396	0.0376790	0.9703367
L2.Immune.System	-0.0000001	0.0000031	-0.0420088	0.9669300

Table 1921: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0358607	0.1882715	0.1904735	0.8509585
L2.Immune.System.Diseases	-0.0000012	0.0000054	-0.2142098	0.8326656

Table 1922: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0478260	0.1950177	0.2452391	0.8089006
L2.Infectious.Diseases	-0.0000002	0.0000008	-0.2733008	0.7875706

Table 1923: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0381942	0.1921709	0.1987513	0.8445686
L2.Lipid.Metabolism	0.0000000	0.0000001	-0.2223347	0.8264258

Table 1924: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1428962	0.1582618	0.9029106	0.3778784
L2.Membrane.Transport	0.0000000	0.0000000	-1.0642850	0.3005391

Table 1925: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0116749	0.1991336	-0.0586284	0.9538603
L2.Metabolic.Diseases	0.0000002	0.0000029	0.0650438	0.9488187

Table 1926: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0713362	0.1939329	0.3678396	0.7170587
L2.Metabolism	0.0000000	0.0000001	-0.4102418	0.6862176

Table 1927: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.093264	0.1969976	0.4734272	0.6413025
L2.Metabolism.of.Cofactors.and.Vitamins	0.000000	0.0000001	-0.5256794	0.6051927

Table 1928: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0536163	0.1971541	0.2719513	0.7885926
L2.Metabolism.of.Other.Amino.Acids	-0.0000001	0.0000002	-0.3022514	0.7657442

Table 1929: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0677444	0.2011279	0.3368226	0.7399426
L2.Metabolism.of.Terpenoids.and.Polyketides	-0.0000001	0.0000002	-0.3725361	0.7136168

Table 1930: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0887721	0.1924946	-0.4611667	0.6499145
L2.Nervous.System	0.0000012	0.0000024	0.5149487	0.6125278

Table 1931: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0751056	0.1711230	0.4388982	0.6656857
L2.Neurodegenerative.Diseases	-0.0000012	0.0000024	-0.5070052	0.6179850

Table 1932: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0938719	0.1951407	0.4810476	0.6359758
L2.Nucleotide.Metabolism	0.0000000	0.0000001	-0.5353006	0.5986523

Table 1933: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0703297	0.1919896	0.3663202	0.7181735
L2.Poorly.Characterized	0.0000000	0.0000001	-0.4095660	0.6867049

Table 1934: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0808237	0.1923369	0.4202196	0.6790392
L2.Replication.and.Repair	0.0000000	0.0000000	-0.4694566	0.6440859

Table 1935: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 1936: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1010400	0.1742476	0.5798645	0.5688192
L2.Signal.Transduction	-0.0000001	0.0000001	-0.6648926	0.5141093

Table 1937: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1126758	0.2261921	-0.4981421	0.6241009
L2.Signaling.Molecules.and.Interaction	0.0000010	0.0000018	0.5381625	0.5967135

Table 1938: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1153159	0.1773689	0.6501472	0.5233812
L2.Transcription	-0.0000001	0.0000001	-0.7408141	0.4678636

Table 1939: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1039704	0.1850015	0.5619975	0.5806878
L2.Translation	0.0000000	0.0000000	-0.6334336	0.5340019

Table 1940: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2678479	0.1992336	-1.344391	0.1946542
L2.Transport.and.Catabolism	0.0000012	0.0000008	1.474027	0.1568508

Table 1941: diversity_vs_picrust_L2_yr1: wunifrac.PC.1 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1067388	0.1847562	0.5777279	0.5702319
L2.Xenobiotics.Biodegradation.and.Metabolism	-0.0000001	0.0000002	-0.6512932	0.5226573

Table 1942: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0787095	0.0799913	0.9839754	0.3374927
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	-1.0999050	0.2851148

Table 1943: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0573694	0.0808904	0.7092233	0.4867985
L2.Biosynthesis.of.Other.Secondary.Metabolites	-0.0000001	0.0000001	-0.7934554	0.4373100

Table 1944: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0418016	0.0771734	0.5416581	0.5943496
L2.Cancers	-0.0000007	0.0000011	-0.6147862	0.5459889

Table 1945: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0769415	0.0794589	0.9683183	0.3450510
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	-1.0844537	0.2917332

Table 1946: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001408	0.0377851	0.0037265	0.9970656
L2.Cardiovascular.Diseases	-0.0000005	0.0000294	-0.0169961	0.9866170

Table 1947: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 1948: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0747765	0.0795631	0.9398392	0.3590959
L2.Cell.Growth.and.Death	-0.0000002	0.0000002	-1.0526596	0.3057011

Table 1949: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0754178	0.0579786	1.300787	0.2088875
L2.Cell.Motility	-0.0000001	0.0000000	-1.619974	0.1217168

Table 1950: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0795659	0.0815843	0.9752605	0.3416854
L2.Cellular.Processes.and.Signaling	0.0000000	0.0000000	-1.0851476	0.2914336

Table 1951: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.45e-04	0.0379669	0.0090867	0.9928447
L2.Circulatory.System	-4.00e-07	0.0000098	-0.0379847	0.9700961

Table 1952: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1358606	0.0755532	-1.798212	0.0880525
L2.Digestive.System	0.0000049	0.0000025	2.006050	0.0593006

Table 1953: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0080476	0.0856625	0.0939458	0.9261358
L2.Endocrine.System	0.0000000	0.0000004	-0.1040704	0.9182042

Table 1954: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0800101	0.0794104	1.007552	0.3263298
L2.Energy.Metabolism	0.0000000	0.0000000	-1.127887	0.2734096

Table 1955: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0870548	0.0705322	1.234256	0.2321562
L2.Environmental.Adaptation	-0.0000009	0.0000006	-1.422269	0.1711581

Table 1956: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0839020	0.0791546	1.059977	0.3024445
L2.Enzyme.Families	-0.0000001	0.0000001	-1.186541	0.2500340

Table 1957: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041901	0.0672438	-0.0623124	0.9509649
L2.Excretory.System	0.0000003	0.0000040	0.0745033	0.9413888

Table 1958: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0703572	0.08322	0.8454357	0.4083887
L2.Folding..Sorting.and.Degradation	0.0000000	0.00000	-0.9379605	0.3600359

Table 1959: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0864701	0.0786167	1.099894	0.2851193
L2.Genetic.Information.Processing	-0.0000001	0.0000000	-1.232510	0.2327929

Table 1960: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0129255	0.0953459	-0.1355646	0.8935914
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000001	0.1469827	0.8846941

Table 1961: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0426209	0.0826590	0.5156225	0.6120660
L2.Immune.System	-0.0000008	0.0000013	-0.5748744	0.5721213

Table 1962: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0446303	0.0797479	0.5596416	0.5822621
L2.Immune.System.Diseases	-0.0000014	0.0000023	-0.6293828	0.5365936

Table 1963: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0862079	0.0805648	1.070045	0.2980051
L2.Infectious.Diseases	-0.0000004	0.0000003	-1.192486	0.2477515

Table 1964: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.070592	0.0802315	0.8798536	0.3899318
L2.Lipid.Metabolism	0.000000	0.0000000	-0.9842552	0.3373586

Table 1965: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1011532	0.0640401	1.579530	0.1307188
L2.Membrane.Transport	0.0000000	0.0000000	-1.861834	0.0781681

Table 1966: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0675031	0.0833787	0.8095971	0.4281950
L2.Metabolic.Diseases	-0.0000011	0.0000012	-0.8981864	0.3803277

Table 1967: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.073205	0.0811302	0.9023159	0.3781862
L2.Metabolism	0.000000	0.0000000	-1.0063292	0.3269022

Table 1968: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0769383	0.0825226	0.9323305	0.3628628
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	-1.0352317	0.3135579

Table 1969: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0739548	0.0823457	0.8981017	0.3803717
L2.Metabolism.of.Other.Amino.Acids	-0.0000001	0.0000001	-0.9981657	0.3307424

Table 1970: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0695180	0.0844646	0.8230432	0.4206940
L2.Metabolism.of.Terpenoids.and.Polyketides	-0.0000001	0.0000001	-0.9103110	0.3740629

Table 1971: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0681436	0.0809955	0.8413254	0.4106299
L2.Nervous.System	-0.0000009	0.0000010	-0.9394422	0.3592944

Table 1972: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0091112	0.0736012	0.1237910	0.9027810
L2.Neurodegenerative.Diseases	-0.0000001	0.0000010	-0.1430005	0.8877954

Table 1973: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0801258	0.0815134	0.9829766	0.3379714
L2.Nucleotide.Metabolism	0.0000000	0.0000000	-1.0938375	0.2877006

Table 1974: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.081342	0.0797444	1.020034	0.3205256
L2.Poorly.Characterized	0.000000	0.0000000	-1.140454	0.2682697

Table 1975: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0793731	0.0801497	0.990311	0.3344671
L2.Replication.and.Repair	0.0000000	0.0000000	-1.106345	0.2823887

Table 1976: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 1977: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0865136	0.0718256	1.204495	0.2431886
L2.Signal.Transduction	-0.0000001	0.0000001	-1.381115	0.1832728

Table 1978: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0257351	0.0972123	0.2647311	0.7940672
L2.Signaling.Molecules.and.Interaction	-0.0000002	0.0000008	-0.2859994	0.7779735

Table 1979: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0941297	0.0728619	1.291892	0.2118887
L2.Transcription	-0.0000001	0.0000000	-1.472053	0.1573777

Table 1980: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0820532	0.0770426	1.065038	0.3002071
L2.Translation	0.0000000	0.0000000	-1.200416	0.2447313

Table 1981: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0927703	0.0868200	-1.068535	0.2986677
L2.Transport.and.Catabolism	0.0000004	0.0000004	1.171571	0.2558523

Table 1982: diversity_vs_picrust_L2_yr1: wunifrac.PC.2 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0813270	0.0770320	1.055757	0.3043195
L2.Xenobiotics.Biodegradation.and.Metabolism	-0.0000001	0.0000001	-1.190193	0.2486300

Table 1983: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0260287	0.055157	0.4719014	0.6423715
L2.Amino.Acid.Metabolism	0.0000000	0.000000	-0.5274997	0.6039526

Table 1984: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348796	0.0546431	0.6383165	0.5308870
L2.Biosynthesis.of.Other.Secondary.Metabolites	-0.0000001	0.0000001	-0.7141272	0.4838301

Table 1985: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0447624	0.0511770	0.8746584	0.3926821
L2.Cancers	-0.0000007	0.0000007	-0.9927441	0.3333102

Table 1986: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0278985	0.0546756	0.5102553	0.6157494
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	-0.5714529	0.5743912

Table 1987: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053384	0.0248262	0.2150293	0.8320357
L2.Cardiovascular.Diseases	-0.0000190	0.0000193	-0.9807260	0.3390517

Table 1988: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 1989: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0294821	0.0545997	0.5399673	0.5954925
L2.Cell.Growth.and.Death	-0.0000001	0.0000002	-0.6047861	0.5524761

Table 1990: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0215288	0.0411989	0.5225579	0.6073221
L2.Cell.Motility	0.0000000	0.0000000	-0.6507834	0.5229793

Table 1991: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0303264	0.0560889	0.5406835	0.5950083
L2.Cellular.Processes.and.Signaling	0.0000000	0.0000000	-0.6016048	0.5545484

Table 1992: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0061042	0.0248910	0.2452392	0.8089006
L2.Circulatory.System	-0.0000066	0.0000064	-1.0251613	0.3181628

Table 1993: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0078035	0.0559762	0.1394075	0.8905952
L2.Digestive.System	-0.0000003	0.0000018	-0.1555204	0.8780515

Table 1994: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0387422	0.0568604	0.6813561	0.5038671
L2.Endocrine.System	-0.0000002	0.0000003	-0.7547858	0.4596317

Table 1995: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0279616	0.0547722	0.5105073	0.6155762
L2.Energy.Metabolism	0.0000000	0.0000000	-0.5714789	0.5743739

Table 1996: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0287985	0.0493817	0.5831817	0.5666295
L2.Environmental.Adaptation	-0.0000003	0.0000004	-0.6720169	0.5096628

Table 1997: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.027454	0.0547953	0.5010285	0.6221060
L2.Enzyme.Families	0.000000	0.0000000	-0.5608526	0.5814526

Table 1998: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0461023	0.0434913	1.060036	0.3024183
L2.Excretory.System	-0.0000033	0.0000026	-1.267423	0.2203183

Table 1999: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0313274	0.0567709	0.5518213	0.5875032
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000000	-0.6122128	0.5476544

Table 2000: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0274802	0.0545655	0.5036185	0.6203186
L2.Genetic.Information.Processing	0.0000000	0.0000000	-0.5643402	0.5791245

Table 2001: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0337504	0.0636972	0.5298570	0.6023486
L2.Glycan.Biosynthesis.and.Metabolism	0.0000000	0.0000000	-0.5744848	0.5723796

Table 2002: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0258884	0.0557576	0.4643025	0.6477070
L2.Immune.System	-0.0000005	0.0000009	-0.5176571	0.6106725

Table 2003: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0234891	0.0539244	0.4355930	0.6680404
L2.Immune.System.Diseases	-0.0000008	0.0000015	-0.4898756	0.6298304

Table 2004: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0277283	0.0558023	0.4969024	0.6249585
L2.Infectious.Diseases	-0.0000001	0.0000002	-0.5537610	0.5862011

Table 2005: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0376312	0.0545446	0.6899167	0.4985876
L2.Lipid.Metabolism	0.0000000	0.0000000	-0.7717808	0.4497375

Table 2006: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0195731	0.0465982	0.4200399	0.6791682
L2.Membrane.Transport	0.0000000	0.0000000	-0.4951123	0.6261980

Table 2007: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0356289	0.0566101	0.6293744	0.5365990
L2.Metabolic.Diseases	-0.0000006	0.0000008	-0.6982430	0.4934833

Table 2008: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0364817	0.0552926	0.6597937	0.5173051
L2.Metabolism	0.0000000	0.0000000	-0.7358505	0.4708092

Table 2009: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239987	0.0567933	0.4225624	0.6773582
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.0000000	-0.4692006	0.6442656

Table 2010: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0338889	0.0562318	0.6026636	0.5538583
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000001	-0.6698107	0.5110375

Table 2011: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0261559	0.0577303	0.4530701	0.6556297
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000000	0.0000001	-0.5011093	0.6220502

Table 2012: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0305427	0.0552483	0.5528262	0.5868284
L2.Nervous.System	-0.0000004	0.0000007	-0.6172977	0.5443661

Table 2013: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0390589	0.0485017	0.8053104	0.4306039
L2.Neurodegenerative.Diseases	-0.0000006	0.0000007	-0.9302762	0.3638980

Table 2014: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0265607	0.0561903	0.4726911	0.6418181
L2.Nucleotide.Metabolism	0.0000000	0.0000000	-0.5260016	0.6049731

Table 2015: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0300634	0.0549741	0.5468655	0.5908368
L2.Poorly.Characterized	0.0000000	0.0000000	-0.6114255	0.5481645

Table 2016: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.028226	0.0552171	0.5111822	0.6151125
L2.Replication.and.Repair	0.000000	0.0000000	-0.5710773	0.5746406

Table 2017: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2018: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0312062	0.0500732	0.6232123	0.5405546
L2.Signal.Transduction	0.0000000	0.0000000	-0.7145966	0.4835466

Table 2019: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0132359	0.0655272	0.2019912	0.8420706
L2.Signaling.Molecules.and.Interaction	-0.0000001	0.0000005	-0.2182190	0.8295851

Table 2020: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.02169	0.0514808	0.4213218	0.6782481
L2.Transcription	0.00000	0.0000000	-0.4800776	0.6366527

Table 2021: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0304264	0.0532384	0.5715121	0.5743519
L2.Translation	0.0000000	0.0000000	-0.6441577	0.5271738

Table 2022: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181810	0.0603719	0.3011506	0.7665706
L2.Transport.and.Catabolism	-0.0000001	0.0000003	-0.3301896	0.7448697

Table 2023: diversity_vs_picrust_L2_yr1: wunifrac.PC.3 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0306067	0.0531912	0.5754089	0.5717672
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.0000000	-0.6486790	0.5243095

Table 2024: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Amino.Acid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0004114	0.0472473	0.0087073	0.9931435
L2.Amino.Acid.Metabolism	0.0000000	0.0000000	-0.0097331	0.9923357

Table 2025: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Biosynthesis.of.Other.Secondary.Metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0165714	0.0468952	-0.3533721	0.7277000
L2.Biosynthesis.of.Other.Secondary.Metabolites	0.0000000	0.0000001	0.3953409	0.6969949

Table 2026: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cancers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0074427	0.0445930	-0.1669040	0.8692091
L2.Cancers	0.0000001	0.0000006	0.1894373	0.8517591

Table 2027: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Carbohydrate.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0075207	0.0468539	-0.1605139	0.8741705
L2.Carbohydrate.Metabolism	0.0000000	0.0000000	0.1797652	0.8592402

Table 2028: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cardiovascular.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043491	0.0211560	0.2055748	0.8393096
L2.Cardiovascular.Diseases	-0.0000154	0.0000165	-0.9376050	0.3602139

Table 2029: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cell.Communication

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 2030: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cell.Growth.and.Death

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0023447	0.0468723	-0.0500229	0.9606263
L2.Cell.Growth.and.Death	0.0000000	0.0000001	0.0560277	0.9559047

Table 2031: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cell.Motility

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0027516	0.0354149	-0.0776952	0.9388829
L2.Cell.Motility	0.0000000	0.0000000	0.0967601	0.9239303

Table 2032: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Cellular.Processes.and.Signaling

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.010192	0.0480795	-0.2119811	0.8343792
L2.Cellular.Processes.and.Signaling	0.000000	0.0000000	0.2358660	0.8160604

Table 2033: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Circulatory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0046934	0.0212737	0.2206217	0.8277404
L2.Circulatory.System	-0.0000051	0.0000055	-0.9222539	0.3679598

Table 2034: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Digestive.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0224281	0.0472850	-0.4743173	0.6406793
L2.Digestive.System	0.0000008	0.0000015	0.5291393	0.6028367

Table 2035: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Endocrine.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0225260	0.0487383	0.4621824	0.6491991
L2.Endocrine.System	-0.0000001	0.0000002	-0.5119918	0.6145565

Table 2036: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Energy.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0053593	0.0469565	-0.1141341	0.9103289
L2.Energy.Metabolism	0.0000000	0.0000000	0.1277656	0.8996771

Table 2037: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Environmental.Adaptation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0072720	0.0424466	0.1713207	0.8657830
L2.Environmental.Adaptation	-0.0000001	0.0000004	-0.1974177	0.8455973

Table 2038: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Enzyme.Families

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0037595	0.0469718	-0.0800369	0.937045
L2.Enzyme.Families	0.0000000	0.0000000	0.0895935	0.929548

Table 2039: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Excretory.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0489827	0.0360970	1.356974	0.1906931
L2.Excretory.System	-0.0000035	0.0000022	-1.622453	0.1211825

Table 2040: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Folding..Sorting.and.Degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0009819	0.0487509	0.0201410	0.9841409
L2.Folding..Sorting.and.Degradation	0.0000000	0.0000000	-0.0223452	0.9824056

Table 2041: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Genetic.Information.Processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0003128	0.0467894	0.0066855	0.9947355
L2.Genetic.Information.Processing	0.0000000	0.0000000	-0.0074916	0.9941007

Table 2042: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Glycan.Biosynthesis.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.011081	0.0545666	-0.203073	0.8412370
L2.Glycan.Biosynthesis.and.Metabolism	0.000000	0.0000000	0.220177	0.8280817

Table 2043: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Immune.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0155141	0.0475840	0.3260351	0.7479614
L2.Immune.System	-0.0000003	0.0000008	-0.3635009	0.7202439

Table 2044: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Immune.System.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0289003	0.0455393	-0.6346221	0.5332428
L2.Immune.System.Diseases	0.0000009	0.0000013	0.7137072	0.4840839

Table 2045: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs
L2.Infectious.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0009224	0.0478348	0.0192839	0.9848157
L2.Infectious.Diseases	0.0000000	0.0000002	-0.0214904	0.9830785

Table 2046: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Lipid.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011339	0.047105	-0.0240720	0.9810462
L2.Lipid.Metabolism	0.0000000	0.000000	0.0269283	0.9787977

Table 2047: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Membrane.Transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0159004	0.0396492	-0.4010280	0.6928736
L2.Membrane.Transport	0.0000000	0.0000000	0.4727025	0.6418101

Table 2048: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Metabolic.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0012882	0.0487535	-0.0264236	0.9791950
L2.Metabolic.Diseases	0.0000000	0.0000007	0.0293150	0.9769191

Table 2049: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0097115	0.0476211	-0.2039328	0.8405745
L2.Metabolism	0.0000000	0.0000000	0.2274408	0.8225104

Table 2050: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Metabolism.of.Cofactors.and.Vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0064453	0.048548	-0.1327611	0.8957783
L2.Metabolism.of.Cofactors.and.Vitamins	0.0000000	0.000000	0.1474139	0.8843584

Table 2051: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Metabolism.of.Other.Amino.Acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0088712	0.0483276	-0.1835629	0.8563012
L2.Metabolism.of.Other.Amino.Acids	0.0000000	0.0000000	0.2040149	0.8405112

Table 2052: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Metabolism.of.Terpenoids.and.Polyketides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001198	0.0494169	0.0024249	0.9980905
L2.Metabolism.of.Terpenoids.and.Polyketides	0.0000000	0.0000000	-0.0026820	0.9978881

Table 2053: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Nervous.System

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0218633	0.0471200	0.4639929	0.6479248
L2.Nervous.System	-0.0000003	0.0000006	-0.5181045	0.6103662

Table 2054: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Neurodegenerative.Diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0013541	0.0421729	-0.0321080	0.9747208
L2.Neurodegenerative.Diseases	0.0000000	0.0000006	0.0370905	0.9707998

Table 2055: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Nucleotide.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0036123	0.0481218	-0.0750656	0.9409473
L2.Nucleotide.Metabolism	0.0000000	0.0000000	0.0835315	0.9343027

Table 2056: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Poorly.Characterized

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0101628	0.0471353	-0.2156081	0.8315909
L2.Poorly.Characterized	0.0000000	0.0000000	0.2410616	0.8120896

Table 2057: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Replication.and.Repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023855	0.0473537	0.0503772	0.9603476
L2.Replication.and.Repair	0.0000000	0.0000000	-0.0562799	0.9557065

Table 2058: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Sensory.System

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 2059: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Signal.Transduction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0092663	0.0430815	-0.2150873	0.8319911
L2.Signal.Transduction	0.0000000	0.0000000	0.2466265	0.8078423

Table 2060: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Signaling.Molecules.and.Interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.00189	0.0557918	0.0338760	0.9733293
L2.Signaling.Molecules.and.Interaction	0.00000	0.0000004	-0.0365976	0.9711876

Table 2061: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Transcription

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024265	0.0440391	-0.0550997	0.9566343
L2.Transcription	0.0000000	0.0000000	0.0627837	0.9505946

Table 2062: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Translation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0001455	0.0457653	-0.0031793	0.9974965
L2.Translation	0.0000000	0.0000000	0.0035834	0.9971782

Table 2063: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Transport.and.Catabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0112160	0.0514096	0.2181686	0.8296238
L2.Transport.and.Catabolism	-0.0000001	0.0000002	-0.2392059	0.8135073

Table 2064: diversity_vs_picrust_L2_yr1: wunifrac.PC.4 vs L2.Xenobiotics.Biodegradation.and.Metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0029508	0.0457253	0.0645342	0.9492190
L2.Xenobiotics.Biodegradation.and.Metabolism	0.0000000	0.0000000	-0.0727517	0.9427641

Table 2065: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098070	0.0992644	0.0987967	0.9223346
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	-0.0000142	0.0000715	-0.1989165	0.8444412

Table 2066: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1543062	0.1540542	1.001636	0.3291062
L3.ABC.transporters	-0.0000001	0.0000001	-1.190125	0.2486561

Table 2067: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2068: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2345757	0.1840050	-1.274833	0.2177384
L3.Adipocytokine.signaling.pathway	0.0000052	0.0000036	1.423976	0.1706700

Table 2069: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1292531	0.1085665	1.190543	0.2484958
L3.African.trypanosomiasis	-0.0001733	0.0000984	-1.760300	0.0944463

Table 2070: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024686	0.2009939	-0.0122820	0.9903286
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000000	0.0000003	0.0135974	0.9892929

Table 2071: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2072: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0520483	0.1694401	0.3071781	0.7620492
L3.Alzheimer.s.disease	-0.0000018	0.0000051	-0.3564519	0.7254299

Table 2073: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1433723	0.1719391	0.8338553	0.4147233
L3.Amino.acid.metabolism	-0.0000010	0.0000010	-0.9565257	0.3508202

Table 2074: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0916351	0.1904601	0.4811250	0.6359218
L3.Amino.acid.related.enzymes	-0.0000001	0.0000002	-0.5385764	0.5964334

Table 2075: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0074727	0.1960951	-0.0381075	0.9699995
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000000	0.0000002	0.0424312	0.9665977

Table 2076: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1085074	0.1768873	0.6134267	0.5468684
L3.Aminoacyl.tRNA.biosynthesis	-0.0000002	0.0000002	-0.6998603	0.4924953

Table 2077: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0174296	0.1996088	0.0873186	0.9313320
L3.Aminobenzoate.degradation	-0.0000003	0.0000026	-0.0968172	0.9238856

Table 2078: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0039413	0.1312300	0.0300334	0.9763537
L3.Amoebiasis	-0.0000005	0.0000127	-0.0398460	0.9686316

Table 2079: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0712401	0.1438370	0.4952837	0.6260793
L3.Amyotrophic.lateral.sclerosis..ALS.	-0.0000078	0.0000126	-0.6155056	0.5455238

Table 2080: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0340427	0.1880217	0.1810573	0.8582401
L3.Antigen.processing.and.presentation	-0.0000013	0.0000064	-0.2036981	0.8407553

Table 2081: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.020299	0.0965019	-0.2103482	0.8356353
L3.Apoptosis	0.000029	0.0000633	0.4589756	0.6514590

Table 2082: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0506513	0.2141636	-0.2365078	0.8155697
L3.Arachidonic.acid.metabolism	0.0000046	0.0000178	0.2582979	0.7989542

Table 2083: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0789129	0.1915176	0.4120397	0.6849218
L3.Arginine.and.proline.metabolism	-0.0000001	0.0000002	-0.4608328	0.6501498

Table 2084: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2085: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0920816	0.1743775	0.5280588	0.6035720
L3.Ascorbate.and.aldarate.metabolism	-0.0000013	0.0000021	-0.6057180	0.5518698

Table 2086: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1523485	0.1196179	1.273626	0.2181569
L3.Atrazine.degradation	-0.0000119	0.0000069	-1.717350	0.1021718

Table 2087: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1297994	0.1407037	0.9225018	0.3678338
L3.Bacterial.chemotaxis	-0.0000005	0.0000004	-1.1454936	0.2662287

Table 2088: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1181446	0.1042837	1.132916	0.2713442
L3.Bacterial.invasion.of.epithelial.cells	-0.0003281	0.0001860	-1.764337	0.0937468

Table 2089: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0749538	0.1366233	0.5486167	0.5896577
L3.Bacterial.motility.proteins	-0.0000002	0.0000002	-0.7015288	0.4914774

Table 2090: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0770058	0.1943689	0.396184	0.6963833
L3.Bacterial.secretion.system	-0.0000002	0.0000005	-0.441538	0.6638075

Table 2091: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0254485	0.1963569	0.1296032	0.8982426
L3.Bacterial.toxins	-0.0000003	0.0000023	-0.1442449	0.8868261

Table 2092: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0302629	0.0945880	-0.3199440	0.7525024
L3.Basal.transcription.factors	0.0001087	0.0001487	0.7313286	0.4735023

Table 2093: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0938009	0.1847231	0.5077917	0.6174436
L3.Base.excision.repair	-0.0000003	0.0000006	-0.5728652	0.5734537

Table 2094: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1282649	0.1744799	0.7351268	0.4712396
L3.Benzoate.degradation	-0.0000010	0.0000012	-0.8407984	0.4109179

Table 2095: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0022786	0.0922275	0.024706	0.9805471
L3.Betalain.biosynthesis	-0.0003518	0.0050501	-0.069670	0.9451844

Table 2096: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0305629	0.0823267	0.3712389	0.7145669
L3.Bile.secretion	-0.6418200	0.3772681	-1.7012304	0.1052083

Table 2097: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0338962	0.1917192	0.1768011	0.8615356
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000008	0.0000040	-0.1979109	0.8452168

Table 2098: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2099: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0812997	0.1732479	0.4692678	0.6442184
L3.Biosynthesis.of.ansamycins	-0.0000010	0.0000019	-0.5397359	0.5956489

Table 2100: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0670526	0.2240419	-0.2992859	0.7679711
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000058	0.0000180	0.3241204	0.7493878

Table 2101: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2102: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0062176	0.0930574	0.0668148	0.9474272
L3.Biosynthesis.of.type.II.polyketide.products	-0.0008647	0.0048849	-0.1770155	0.8613696

Table 2103: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1176121	0.1748715	0.6725630	0.5093229
L3.Biosynthesis.of.unsaturated.fatty.acids	-0.0000017	0.0000022	-0.7694035	0.4511136

Table 2104: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0279116	0.2159815	0.1292315	0.8985327
L3.Biosynthesis.of.vancomycin.group.antibiotics	-0.0000006	0.0000043	-0.1409433	0.8893983

Table 2105: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0719813	0.1889976	0.3808583	0.7075334
L3.Biotin.metabolism	-0.0000007	0.0000015	-0.4274861	0.6738311

Table 2106: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0231510	0.1837944	0.1259614	0.9010858
L3.Bisphenol.degradation	-0.0000004	0.0000027	-0.1426193	0.8880924

Table 2107: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0485423	0.1072590	0.4525704	0.6559831
L3.Bladder.cancer	-0.0002976	0.0004009	-0.7423398	0.4669604

Table 2108: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1010381	0.1845848	0.5473804	0.5904900
L3.Butanoate.metabolism	-0.0000002	0.0000004	-0.6174227	0.5442854

Table 2109: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0169064	0.1757813	-0.0961784	0.9243861
L3.Butirosin.and.neomycin.biosynthesis	0.0000003	0.0000032	0.1103656	0.9132769

Table 2110: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1237393	0.1703952	0.7261897	0.4765739
L3.C5.Branched.dibasic.acid.metabolism	-0.0000006	0.0000007	-0.8369018	0.4130508

Table 2111: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2112: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0351780	0.0927603	0.3792354	0.7087181
L3.Caffeine.metabolism	-0.0003852	0.0004212	-0.9144506	0.3719398

Table 2113: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0116323	0.0911211	0.1276570	0.8997618
L3.Calcium.signaling.pathway	-0.0028404	0.0074142	-0.3831091	0.7058915

Table 2114: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1983114	0.1427522	1.389200	0.1808399
L3.Caprolactam.degradation	-0.0000289	0.0000172	-1.681823	0.1089666

Table 2115: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0825913	0.1530348	0.5396896	0.5956802
L3.Carbohydrate.digestion.and.absorption	-0.0000099	0.0000152	-0.6500373	0.5234507

Table 2116: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0190070	0.1844537	0.1030451	0.9190070
L3.Carbohydrate.metabolism	-0.0000001	0.0000012	-0.1165609	0.9084312

Table 2117: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0381208	0.1944061	0.1960886	0.8466229
L3.Carbon.fixation.in.photosynthetic.organisms	-0.0000001	0.0000004	-0.2187306	0.8291922

Table 2118: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.024655	0.2040185	0.1208469	0.9050812
L3.Carbon.fixation.pathways.in.prokaryotes	0.000000	0.0000003	-0.1333339	0.8953314

Table 2119: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0066104	0.0885973	-0.0746117	0.9413036
L3.Cardiac.muscle.contraction	0.0000072	0.0000230	0.3118956	0.7585167

Table 2120: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2688230	0.0860929	3.122475	0.0056069
L3.Carotenoid.biosynthesis	-0.0001655	0.0000376	-4.401943	0.0003064

Table 2121: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2122: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0817906	0.1912531	0.4276560	0.6737094
L3.Cell.cycle. . . Caulobacter	-0.0000003	0.0000005	-0.4784128	0.6378153

Table 2123: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cell.cycle. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2124: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0596854	0.1878091	0.3177983	0.7541042
L3.Cell.division	-0.0000011	0.0000031	-0.3574312	0.7247086

Table 2125: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0423164	0.2043060	0.2071227	0.8381177
L3.Cell.motility.and.secretion	-0.0000004	0.0000016	-0.2284102	0.8217677

Table 2126: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3315977	0.1592032	-2.082858	0.0510146
L3.Cellular.antigens	0.0000114	0.0000048	2.368380	0.0286229

Table 2127: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1187748	0.1055642	1.125142	0.2745419
L3.Chagas.disease..American.trypanosomiasis.	-0.0001846	0.0001068	-1.729348	0.0999607

Table 2128: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0133925	0.2027564	0.0660522	0.9480264
L3.Chaperones.and.folding.catalysts	0.0000000	0.0000003	-0.0729817	0.9425835

Table 2129: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1618762	0.1629377	0.9934851	0.3329585
L3.Chloroalkane.and.chloroalkene.degradation	-0.0000014	0.0000012	-1.1562730	0.2619020

Table 2130: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2071680	0.1188639	1.742901	0.0975128
L3.Chlorocyclohexane.and.chlorobenzene.degradation	-0.0000287	0.0000126	-2.276146	0.0346003

Table 2131: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2132: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0727162	0.1896890	0.3833444	0.70572
L3.Chromosome	-0.0000001	0.0000002	-0.4298645	0.67213

Table 2133: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2134: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Circadian.rhythm. . . plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0356262	0.0928217	0.3838135	0.7053780
L3.Circadian.rhythm. . . plant	-0.0003882	0.0004215	-0.9211885	0.3685015

Table 2135: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0338501	0.2077801	-0.1629131	0.8723071
L3.Citrate.cycle..TCA.cycle.	0.0000001	0.0000005	0.1790361	0.8598047

Table 2136: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0197919	0.0858903	0.2304329	0.8202183
L3.Clavulanic.acid.biosynthesis	-0.2078154	0.1967993	-1.0559763	0.3042219

Table 2137: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.Colorectal.cancer	0.0000227	0.0000686	0.3304329	0.7446888

Table 2138: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2139: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0220964	0.1754695	0.1259273	0.9011125
L3.Cyanoamino.acid.metabolism	-0.0000001	0.0000006	-0.1445737	0.8865700

Table 2140: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0951124	0.1906442	0.4988998	0.6235769
L3.Cysteine.and.methionine.metabolism	-0.0000002	0.0000003	-0.5582586	0.5831873

Table 2141: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2142: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2143: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2144: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0773654	0.1707757	0.4530231	0.6556629
L3.Cytoskeleton.proteins	-0.0000003	0.0000006	-0.5236005	0.6066104

Table 2145: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2146: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1272058	0.1852108	0.6868161	0.5004961
L3.D.Alanine.metabolism	-0.0000019	0.0000025	-0.7728403	0.4491251

Table 2147: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1697946	0.1178878	1.440307	0.1660562
L3.D.Arginine.and.D.ornithine.metabolism	-0.0000520	0.0000268	-1.936785	0.0677865

Table 2148: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0285972	0.2016403	0.1418229	0.8887129

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Glutamine.and.D.glutamate.metabolism	-0.0000003	0.0000019	-0.1568761	0.8769975

Table 2149: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0934812	0.1918953	0.4871470	0.6317270
L3.DNA.repair.and.recombination.proteins	-0.0000001	0.0000001	-0.5442703	0.5925861

Table 2150: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0750301	0.1985292	0.3779300	0.7096717
L3.DNA.replication	-0.0000002	0.0000004	-0.4191445	0.6798112

Table 2151: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0610812	0.1965397	0.3107830	0.7593493
L3.DNA.replication.proteins	-0.0000001	0.0000002	-0.3456041	0.7334373

Table 2152: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2153: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1018746	0.1425352	0.7147329	0.4834642
L3.Dioxin.degradation	-0.0000031	0.0000035	-0.8875714	0.3858693

Table 2154: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Drug.metabolism...cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114848	0.1645405	-0.0697990	0.945083
L3.Drug.metabolism...cytochrome.P450	0.0000010	0.0000120	0.0819546	0.935540

354

Table 2155: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Drug.metabolism...other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0524975	0.2042091	0.2570771	0.7998827
L3.Drug.metabolism...other.enzymes	-0.0000003	0.0000009	-0.2834825	0.7798729

Table 2156: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2157: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1772643	0.1241349	1.427998	0.1695243
L3.Electron.transfer.carriers	-0.0000168	0.0000090	-1.856833	0.0789081

Table 2158: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2159: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0176683	0.0891282	0.1982347	0.8449671
L3.Endocytosis	-0.1236781	0.1826584	-0.6771005	0.5065034

Table 2160: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0414667	0.2007660	0.2065424	0.8385645
L3.Energy.metabolism	-0.0000001	0.0000003	-0.2286507	0.8215834

Table 2161: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1129216	0.1741686	0.6483468	0.5245197
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	-0.0000019	0.0000026	-0.7428661	0.4666491

Table 2162: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2163: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1128113	0.1189375	0.9484927	0.3547877
L3.Ether.lipid.metabolism	-0.0000908	0.0000689	-1.3175913	0.2033083

Table 2164: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0722491	0.1893772	-0.3815089	0.7070587
L3.Ethylbenzene.degradation	0.0000029	0.0000068	0.4279924	0.6734688

Table 2165: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2166: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0596087	0.1917515	0.3108643	0.7592884
L3.Fatty.acid.biosynthesis	-0.0000002	0.0000006	-0.3477780	0.7318301

Table 2167: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0349133	0.0927297	0.3765061	0.7107123
L3.Fatty.acid.elongation.in.mitochondria	-0.0003833	0.0004211	-0.9101820	0.3741292

Table 2168: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1166811	0.1904114	0.6127843	0.5472843
L3.Fatty.acid.metabolism	-0.0000009	0.0000013	-0.6852024	0.5014911

Table 2169: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2170: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0176683	0.0891282	0.1982347	0.8449671
L3.Fc.gamma.R.mediated.phagocytosis	-0.1236781	0.1826584	-0.6771005	0.5065034

Table 2171: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0367078	0.1290908	0.2843568	0.7792129
L3.Flagellar.assembly	-0.0000002	0.0000005	-0.3809982	0.7074313

Table 2172: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0778233	0.1612474	0.4826328	0.6348703
L3.Flavone.and.flavonol.biosynthesis	-0.0000129	0.0000226	-0.5692937	0.5758260

Table 2173: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0916695	0.1174442	0.7805364	0.4446915
L3.Flavonoid.biosynthesis	-0.0000761	0.0000685	-1.1109488	0.2804520

Table 2174: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1170278	0.1120391	1.044527	0.3093498
L3.Fluorobenzoate.degradation	-0.0002223	0.0001462	-1.520775	0.1447843

Table 2175: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2176: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0474466	0.2105733	0.2253209	0.8241354
L3.Folate.biosynthesis	-0.0000002	0.0000008	-0.2469076	0.8076279

Table 2177: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0461246	0.1839600	0.2507319	0.8047128
L3.Fructose.and.mannose.metabolism	-0.0000001	0.0000002	-0.2836924	0.7797144

Table 2178: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0718317	0.1860318	0.3861259	0.7036932
L3.Function.unknown	-0.0000001	0.0000002	-0.4351993	0.6683212

Table 2179: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0229993	0.0961790	0.2391302	0.8135651
L3.G.protein.coupled.receptors	-0.0172495	0.0328514	-0.5250761	0.6056039

Table 2180: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2181: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0049514	0.1908268	-0.0259469	0.9795702
L3.Galactose.metabolism	0.0000000	0.0000003	0.0290870	0.9770986

Table 2182: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2183: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0692656	0.1936098	0.3577587	0.7244675
L3.General.function.prediction.only	0.0000000	0.0000001	-0.3991842	0.6942087

Table 2184: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3379600	0.1978669	-1.708017	0.1039206
L3.Geraniol.degradation	0.0000169	0.0000091	1.864273	0.0778094

Table 2185: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1145761	0.130344	0.8790285	0.3903677
L3.Germination	-0.0000045	0.000004	-1.1440055	0.2668301

Table 2186: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2187: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0887721	0.1924946	-0.4611667	0.6499145
L3.Glutamatergic.synapse	0.0000012	0.0000024	0.5149487	0.6125278

Table 2188: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0041634	0.2321227	0.0179362	0.9858767
L3.Glutathione.metabolism	0.0000000	0.0000019	-0.0193192	0.9847879

Table 2189: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2190: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0973720	0.1764739	-0.5517644	0.5875415
L3.Glycan.biosynthesis.and.metabolism	0.0000061	0.0000097	0.6304113	0.5359350

Table 2191: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1068370	0.1649676	0.6476238	0.5249772
L3.Glycerolipid.metabolism	-0.0000004	0.0000006	-0.7555816	0.4591655

Table 2192: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0865437	0.1768370	0.4893979	0.6301622
L3.Glycerophospholipid.metabolism	-0.0000003	0.0000004	-0.5591781	0.5825721

Table 2193: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1035402	0.1996842	0.5185198	0.6100820
L3.Glycine..serine.and.threonine.metabolism	-0.0000002	0.0000003	-0.5737882	0.5728415

Table 2194: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycolysis...Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0751638	0.1872984	0.4013051	0.6926731
L3.Glycolysis...Gluconeogenesis	-0.0000001	0.0000002	-0.4514408	0.6567825

Table 2195: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0051536	0.0883841	0.0583095	0.9541110
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	-0.0038652	0.0149907	-0.2578414	0.7993014

Table 2196: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3910685	0.1329671	-2.941092	0.0083850
L3.Glycosaminoglycan.degradation	0.0000059	0.0000017	3.419893	0.0028722

Table 2197: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis. . . ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3671353	0.1159670	-3.165860	0.0050888
L3.Glycosphingolipid.biosynthesis. . . ganglio.series	0.0000082	0.0000021	3.819243	0.0011578

Table 2198: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis. . . globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3307862	0.1718965	-1.924333	0.0694217
L3.Glycosphingolipid.biosynthesis. . . globo.series	0.0000036	0.0000017	2.154571	0.0442385

Table 2199: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0564159	0.0844610	-0.6679518	0.5121973
L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series	0.0002796	0.0001472	1.8992743	0.0728188

Table 2200: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2201: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0485650	0.2150211	0.2258616	0.8237209
L3.Glycosyltransferases	-0.0000002	0.0000009	-0.2464892	0.8079470

Table 2202: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0743376	0.1900040	0.3912422	0.6999711
L3.Glyoxylate.and.dicarboxylate.metabolism	-0.0000002	0.0000005	-0.4385117	0.6659609

Table 2203: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0176683	0.0891282	0.1982347	0.8449671
L3.GnRH.signaling.pathway	-0.1236781	0.1826584	-0.6771005	0.5065034

Table 2204: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2205: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2206: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2207: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0329884	0.1961108	0.1682129	0.8681934
L3.Histidine.metabolism	-0.0000001	0.0000004	-0.1872558	0.8534452

Table 2208: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0704014	0.1947265	0.3615399	0.7216852
L3.Homologous.recombination	-0.0000001	0.0000003	-0.4028319	0.6915685

Table 2209: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0579073	0.1774946	0.3262483	0.7478027

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Huntington.s.disease	-0.0000033	0.0000087	-0.3728577	0.7133814

Table 2210: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0042387	0.0882623	0.0480235	0.9621987
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0127160	0.0577812	-0.2200714	0.8281629

Table 2211: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2212: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.Influenza.A	0.0000227	0.0000686	0.3304329	0.7446888

Table 2213: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0432813	0.1930029	-0.2242518	0.8249552
L3.Inorganic.ion.transport.and.metabolism	0.0000003	0.0000014	0.2505684	0.8048374

Table 2214: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0229268	0.1982983	0.1156178	0.9091686
L3.Inositol.phosphate.metabolism	-0.0000004	0.0000029	-0.1283847	0.8991937

Table 2215: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0130507	0.1738499	-0.0750689	0.9409446
L3.Insulin.signaling.pathway	0.0000002	0.0000028	0.0864523	0.9320115

Table 2216: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0875829	0.2047822	0.4276878	0.6736867
L3.Ion.channels	-0.0000096	0.0000204	-0.4709613	0.6430305

Table 2217: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0053270	0.0901004	-0.0591227	0.9534718
L3.Isoflavonoid.biosynthesis	0.0372889	0.1846509	0.2019426	0.8421081

Table 2218: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0054815	0.2248793	0.0243754	0.9808073
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000001	0.0000055	-0.0263936	0.9792187

Table 2219: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2220: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2221: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1658142	0.1874039	0.8847961	0.3873269
L3.Limonene.and.pinene.degradation	-0.0000037	0.0000037	-0.9900994	0.3345679

Table 2222: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0079209	0.1833086	-0.0432108	0.9659844
L3.Linoleic.acid.metabolism	0.0000002	0.0000031	0.0489685	0.9614555

Table 2223: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0293772	0.1984988	0.1479969	0.8839046
L3.Lipid.biosynthesis.proteins	-0.0000001	0.0000005	-0.1642900	0.8712380

Table 2224: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0851575	0.1690534	0.5037315	0.6202407
L3.Lipid.metabolism	-0.0000010	0.0000017	-0.5838738	0.5661732

Table 2225: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2579700	0.1710542	-1.508119	0.1479728
L3.Lipoic.acid.metabolism	0.0000109	0.0000064	1.708020	0.1039199

Table 2226: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1424701	0.1991440	-0.7154124	0.4830539
L3.Lipopolysaccharide.biosynthesis	0.0000009	0.0000011	0.7908031	0.4388192

Table 2227: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1447914	0.2130937	-0.6794728	0.5050328
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000006	0.0000008	0.7410144	0.4677450

Table 2228: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2229: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2230: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1073623	0.1810569	0.5929758	0.560190
L3.Lysine.biosynthesis	-0.0000002	0.0000003	-0.6721162	0.509601

Table 2231: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1662290	0.1957036	0.8493919	0.4062389
L3.Lysine.degradation	-0.0000022	0.0000024	-0.9411914	0.3584204

Table 2232: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3556499	0.1600149	-2.222604	0.0385787
L3.Lysosome	0.0000035	0.0000014	2.513406	0.0211341

Table 2233: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2234: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.MAPK.signaling.pathway...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0731932	0.2061036	-0.3551281	0.7264054
L3.MAPK.signaling.pathway...yeast	0.0000023	0.0000059	0.3906774	0.7003816

Table 2235: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2236: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Meiosis...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.011749	0.0963697	0.1219162	0.9042456
L3.Meiosis...yeast	-0.000007	0.0000259	-0.2711433	0.7892047

Table 2237: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0022786	0.0922275	0.024706	0.9805471
L3.Melanogenesis	-0.0003518	0.0050501	-0.069670	0.9451844

Table 2238: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2494609	0.2086803	-1.195422	0.2466301
L3.Membrane.and.intracellular.structural.molecules	0.0000007	0.0000005	1.301849	0.2085314

Table 2239: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1369474	0.1653885	0.8280345	0.4179310
L3.Metabolism.of.cofactors.and.vitamins	-0.0000019	0.0000020	-0.9621134	0.3480783

Table 2240: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0143739	0.1631267	-0.0881148	0.9307076
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	0.0000012	0.0000120	0.1037984	0.9184172

Table 2241: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1093012	0.1811336	0.6034285	0.5533600
L3.Methane.metabolism	-0.0000001	0.0000002	-0.6838024	0.5023552

Table 2242: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0139944	0.1231260	-0.1136594	0.9107002
L3.Mineral.absorption	0.0000084	0.0000526	0.1591538	0.8752273

Table 2243: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0831635	0.1909960	0.4354204	0.6681635
L3.Mismatch.repair	-0.0000002	0.0000003	-0.4872365	0.6316647

Table 2244: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1052692	0.1937288	0.5433844	0.5931839
L3.N.Glycan.biosynthesis	-0.0000066	0.0000109	-0.6054211	0.5520630

Table 2245: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0614403	0.1962953	-0.3129994	0.7576909
L3.NOD.like.receptor.signaling.pathway	0.0000022	0.0000062	0.3481676	0.7315422

Table 2246: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0158423	0.1932395	0.0819827	0.9355180
L3.Naphthalene.degradation	-0.0000002	0.0000022	-0.0916082	0.9279683

Table 2247: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2248: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2249: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0727477	0.1923420	0.3782205	0.7094595
L3.Nicotinate.and.nicotinamide.metabolism	-0.0000003	0.0000007	-0.4226479	0.6772969

Table 2250: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0752682	0.2059524	0.3654639	0.7188021
L3.Nitrogen.metabolism	-0.0000002	0.0000004	-0.4020900	0.6921052

Table 2251: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1564797	0.1358749	1.151646	0.2637529
L3.Nitrotoluene.degradation	-0.0000024	0.0000017	-1.443052	0.1652907

Table 2252: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0578753	0.1245270	0.4647607	0.6473847
L3.Non.homologous.end.joining	-0.0000184	0.0000288	-0.6381580	0.5309879

Table 2253: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2254: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0901241	0.1918357	0.4697986	0.6438460
L3.Novobiocin.biosynthesis	-0.0000010	0.0000020	-0.5249979	0.6056572

Table 2255: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0881764	0.1855183	0.4752973	0.6399934
L3.Nucleotide.excision.repair	-0.0000004	0.0000007	-0.5357365	0.5983568

Table 2256: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1512241	0.1468645	1.029685	0.3160885
L3.Nucleotide.metabolism	-0.0000055	0.0000044	-1.247524	0.2273632

Table 2257: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2258: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0395652	0.2034335	0.1944871	0.8478589
L3.One.carbon.pool.by.folate	-0.0000001	0.0000005	-0.2146829	0.8323019

Table 2259: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2260: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2729601	0.1963983	-1.389829	0.1806518
L3.Other.glycan.degradation	0.0000010	0.0000006	1.527151	0.1431995

Table 2261: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0387985	0.2061219	0.1882308	0.8526915
L3.Other.ion.coupled.transporters	0.0000000	0.0000002	-0.2071949	0.8380621

Table 2262: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0352891	0.193990	0.1819118	0.8575787
L3.Other.transporters	-0.0000002	0.000001	-0.2030320	0.8412685

Table 2263: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2264: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0827033	0.1908153	0.4334210	0.6695898
L3.Others	-0.0000001	0.0000003	-0.4851216	0.6331364

Table 2265: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0581486	0.1908363	0.3047044	0.7639038
L3.Oxidative.phosphorylation	-0.0000001	0.0000002	-0.3413098	0.7366159

Table 2266: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1220960	0.2053448	-0.5945902	0.5591322
L3.PPAR.signaling.pathway	0.0000017	0.0000026	0.6536409	0.5211761

Table 2267: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2268: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2269: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0867097	0.1837439	0.4719051	0.6423689
L3.Pantothenate.and.CoA.biosynthesis	-0.0000002	0.0000004	-0.5333245	0.5999928

Table 2270: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0065551	0.0884910	-0.0740759	0.9417243
L3.Parkinson.s.disease	0.0000054	0.0000172	0.3156431	0.7557142

Table 2271: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2272: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0514103	0.1825934	0.2815561	0.7813276
L3.Pathways.in.cancer	-0.0000017	0.0000053	-0.3191902	0.7530650

Table 2273: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2083015	0.1757205	-1.185414	0.2504686
L3.Penicillin.and.cephalosporin.biosynthesis	0.0000117	0.0000087	1.342241	0.1953376

Table 2274: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0193872	0.1952010	0.0993192	0.9219252
L3.Pentose.and.glucuronate.interconversions	0.0000000	0.0000004	-0.1107027	0.9130131

Table 2275: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0815582	0.1853963	0.4399127	0.6649636
L3.Pentose.phosphate.pathway	-0.0000001	0.0000003	-0.4960836	0.6255253

Table 2276: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0684276	0.1949274	0.3510412	0.7294199
L3.Peptidases	-0.0000001	0.0000001	-0.3910599	0.7001036

Table 2277: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1102198	0.1857237	0.593461	0.5598720
L3.Peptidoglycan.biosynthesis	-0.0000002	0.0000003	-0.667989	0.5121741

Table 2278: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0725961	0.2105634	-0.3447706	0.7340539
L3.Peroxisome	0.0000006	0.0000017	0.3776429	0.7098814

Table 2279: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2792140	0.1860505	-1.500743	0.1498575
L3.Pertussis	0.0000152	0.0000091	1.664951	0.1123266

Table 2280: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2281: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0211855	0.1997243	-0.1060736	0.9166359
L3.Phenylalanine.metabolism	0.0000002	0.0000015	0.1175937	0.9076239

Table 2282: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0917824	0.1821250	0.5039526	0.6200882
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	-0.0000002	0.0000003	-0.5707849	0.5748349

Table 2283: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0273200	0.1602953	0.1704354	0.8664695
L3.Phenylpropanoid.biosynthesis	-0.0000002	0.0000009	-0.2021079	0.8419807

Table 2284: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0109557	0.2072439	0.0528638	0.9583923
L3.Phosphatidylinositol.signaling.system	-0.0000002	0.0000033	-0.0581360	0.9542474

Table 2285: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0705001	0.1872770	-0.3764484	0.7107545
L3.Phosphonate.and.phosphinate.metabolism	0.0000016	0.0000038	0.4235631	0.6766407

Table 2286: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1202368	0.1326046	0.9067314	0.3759053
L3.Phosphotransferase.system..PTS.	-0.0000005	0.0000004	-1.1655288	0.2582290

Table 2287: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1003557	0.1659451	0.6047524	0.5524981
L3.Photosynthesis	-0.0000004	0.0000005	-0.7045501	0.4896370

Table 2288: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Photosynthesis...antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0121623	0.0911494	0.1334321	0.8952548
L3.Photosynthesis...antenna.proteins	-0.0001737	0.0004360	-0.3984594	0.6947338

Table 2289: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1008268	0.1658493	0.6079424	0.5504242
L3.Photosynthesis.proteins	-0.0000004	0.0000005	-0.7083778	0.4873113

Table 2290: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2291: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Phototransduction...fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2292: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0712885	0.1724676	0.4133443	0.6839822
L3.Plant.pathogen.interaction	-0.0000007	0.0000015	-0.4763729	0.6392411

Table 2293: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0603573	0.1862359	0.3240907	0.7494100
L3.Polycyclic.aromatic.hydrocarbon.degradation	-0.0000009	0.0000024	-0.3653158	0.7189108

Table 2294: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127664	0.2064650	-0.0618334	0.9513414
L3.Polyketide.sugar.unit.biosynthesis	0.0000001	0.0000013	0.0680536	0.9464541

Table 2295: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3152337	0.2166508	-1.455032	0.1619838
L3.Pores.ion.channels	0.0000013	0.0000009	1.569263	0.1330909

Table 2296: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1826545	0.1745164	1.046633	0.3084021
L3.Porphyrin.and.chlorophyll.metabolism	-0.0000003	0.0000002	-1.190640	0.2484584

Table 2297: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0301025	0.2040854	0.1474997	0.8842916
L3.Prenyltransferases	-0.0000002	0.0000010	-0.1627211	0.8724562

Table 2298: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1603541	0.1656371	-0.9681051	0.3451547
L3.Primary.bile.acid.biosynthesis	0.0000058	0.0000052	1.1210844	0.2762221

Table 2299: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0336228	0.1876121	0.1792142	0.8596668
L3.Primary.immunodeficiency	-0.0000011	0.0000054	-0.2017429	0.8422620

Table 2300: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1735839	0.1236505	1.403827	0.1765045
L3.Prion.diseases	-0.0000448	0.0000244	-1.832909	0.0825344

Table 2301: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0340427	0.1880217	0.1810573	0.8582401
L3.Progesterone.mediated.oocyte.maturation	-0.0000013	0.0000064	-0.2036981	0.8407553

Table 2302: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1387388	0.1878695	0.7384848	0.4692445
L3.Propanoate.metabolism	-0.0000005	0.0000005	-0.8274185	0.4182714

Table 2303: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0014319	0.1910990	-0.0074931	0.9940996
L3.Prostate.cancer	0.0000001	0.0000061	0.0083968	0.9933879

Table 2304: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0501199	0.1852117	0.2706087	0.7896098
L3.Proteasome	-0.0000018	0.0000061	-0.3055775	0.7632490

Table 2305: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3464997	0.1320911	-2.623187	0.0167352
L3.Protein.digestion.and.absorption	0.0000198	0.0000064	3.098370	0.0059166

Table 2306: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0813344	0.1939859	0.4192802	0.6797137
L3.Protein.export	-0.0000002	0.0000005	-0.4674323	0.6455070

Table 2307: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1316534	0.1943794	0.6773015	0.5063787
L3.Protein.folding.and.associated.processing	-0.0000003	0.0000004	-0.7530957	0.4606228

Table 2308: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1241245	0.1668804	0.7437933	0.4661009
L3.Protein.kinases	-0.0000006	0.0000007	-0.8629046	0.3989515

Table 2309: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2123256	0.2126920	-0.9982774	0.3306897
L3.Protein.processing.in.endoplasmic.reticulum	0.0000051	0.0000047	1.0858645	0.2911243

Table 2310: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2605486	0.1401685	-1.858823	0.0786129
L3.Proximal.tubule.bicarbonate.reclamation	0.0000187	0.0000084	2.222471	0.0385891

Table 2311: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0997290	0.1944193	0.5129582	0.6138931
L3.Purine.metabolism	-0.0000001	0.0000001	-0.5711753	0.5745756

Table 2312: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0861354	0.1955076	0.4405734	0.6644936
L3.Pyrimidine.metabolism	-0.0000001	0.0000002	-0.4901825	0.6296173

Table 2313: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0654310	0.1902345	0.3439490	0.7346619
L3.Pyruvate.metabolism	-0.0000001	0.0000003	-0.3854973	0.7041510

Table 2314: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1431506	0.0995078	1.438587	0.1665375
L3.RIG.I.like.receptor.signaling.pathway	-0.0001070	0.0000475	-2.254115	0.0361892

Table 2315: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0673769	0.2012075	0.3348630	0.7413970
L3.RNA.degradation	-0.0000002	0.0000006	-0.3703395	0.7152258

Table 2316: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1480649	0.1891699	0.7827084	0.4434451
L3.RNA.polymerase	-0.0000016	0.0000018	-0.8749879	0.3925073

Table 2317: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1147642	0.1652020	0.6946906	0.4956573
L3.RNA.transport	-0.0000013	0.0000016	-0.8094552	0.4282746

Table 2318: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2319: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1225674	0.1417611	0.8646048	0.3980406
L3.Renal.cell.carcinoma	-0.0000334	0.0000312	-1.0716135	0.2973175

Table 2320: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0135616	0.0894918	0.1515398	0.8811474
L3.Renin.angiotensin.system	-0.0189862	0.0363907	-0.5217313	0.6078865

Table 2321: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1418777	0.1752260	0.8096843	0.4281461
L3.Replication..recombination.and.repair.proteins	-0.0000003	0.0000003	-0.9238250	0.3671619

Table 2322: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2225383	0.1966186	-1.131827	0.2717902
L3.Restriction.enzyme	0.0000019	0.0000015	1.248239	0.2271074

Table 2323: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1344815	0.1657938	-0.8111371	0.4273316
L3.Retinol.metabolism	0.0000091	0.0000097	0.9419912	0.3580212

Table 2324: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2325: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0330200	0.2063946	0.1599847	0.8745817
L3.Riboflavin.metabolism	-0.0000002	0.0000013	-0.1760655	0.8621055

Table 2326: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0966429	0.1893936	0.5102751	0.6157358
L3.Ribosome	-0.0000001	0.0000001	-0.5718848	0.5741044

Table 2327: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1110092	0.1829360	0.6068199	0.5511535
L3.Ribosome.Biogenesis	-0.0000001	0.0000002	-0.6857250	0.5011687

Table 2328: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0935934	0.1833760	0.5103907	0.6156564
L3.Ribosome.biogenesis.in.eukaryotes	-0.0000032	0.0000056	-0.5769392	0.5707538

Table 2329: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2330: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1763284	0.1661890	-1.061011	0.3019864
L3.Secondary.bile.acid.biosynthesis	0.0000065	0.0000053	1.224830	0.2356084

Table 2331: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0904274	0.1704053	0.5306606	0.6018022
L3.Secretion.system	-0.0000001	0.0000002	-0.6132377	0.5469908

Table 2332: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1091447	0.1878321	0.5810755	0.5680193
L3.Selenocompound.metabolism	-0.0000005	0.0000007	-0.6521988	0.5220857

Table 2333: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2334: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0191281	0.0925481	-0.2066829	0.8384563
L3.Shigellosis	0.0100423	0.0184920	0.5430591	0.5934035

Table 2335: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1555109	0.1699892	0.9148282	0.3717466
L3.Signal.transduction.mechanisms	-0.0000005	0.0000005	-1.0516312	0.3061608

Table 2336: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.Small.cell.lung.cancer	0.0000227	0.0000686	0.3304329	0.7446888

Table 2337: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1987363	0.1920735	-1.034689	0.3138050
L3.Sphingolipid.metabolism	0.0000010	0.0000009	1.148611	0.2649719

Table 2338: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2339: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1295952	0.1381223	0.9382639	0.3598840
L3.Sporulation	-0.0000003	0.0000002	-1.1759892	0.2541245

Table 2340: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1485242	0.1188466	1.249714	0.2265795
L3.Staphylococcus.aureus.infection	-0.0000437	0.0000258	-1.696472	0.1061193

Table 2341: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0323705	0.1781966	0.1816561	0.8577765
L3.Starch.and.sucrose.metabolism	0.0000000	0.0000002	-0.2075175	0.8378138

Table 2342: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0365089	0.0931495	0.3919388	0.6994649
L3.Steroid.biosynthesis	-0.0001292	0.0001398	-0.9246603	0.3667382

Table 2343: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.2701198	0.1125764	-2.399436	0.0268365
L3.Steroid.hormone.biosynthesis	0.0000171	0.0000056	3.076580	0.0062108

Table 2344: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0490551	0.1034291	0.4742870	0.6407005
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	-0.0001670	0.0002020	-0.8270712	0.4184633

Table 2345: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0297474	0.2022221	-0.1471027	0.8846007
L3.Streptomycin.biosynthesis	0.0000001	0.0000008	0.1626102	0.8725423

Table 2346: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1476087	0.1304041	1.131933	0.2717468
L3.Styrene.degradation	-0.0000121	0.0000083	-1.453623	0.1623698

Table 2347: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0191248	0.2003224	0.0954700	0.9249413
L3.Sulfur.metabolism	-0.0000001	0.0000010	-0.1057679	0.9168752

Table 2348: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1066959	0.1709646	0.6240821	0.5399953
L3.Sulfur.relay.system	-0.0000007	0.0000009	-0.7195398	0.4805662

Table 2349: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1290551	0.1558605	0.8280168	0.4179407
L3.Synthesis.and.degradation.of.ketone.bodies	-0.0000084	0.0000086	-0.9836153	0.3376652

Table 2350: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0465380	0.0962938	0.4832915	0.6344112
L3.Systemic.lupus.erythematosus	-0.0004132	0.0004165	-0.9920514	0.3336393

Table 2351: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2352: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0593713	0.2155599	-0.2754285	0.7859601
L3.Taurine.and.hypotaurine.metabolism	0.0000009	0.0000029	0.3003958	0.7671374

Table 2353: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1014062	0.1962221	0.5167931	0.6112641
L3.Terpenoid.backbone.biosynthesis	-0.0000003	0.0000005	-0.5741752	0.5725848

Table 2354: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1064065	0.1701451	0.6253870	0.5391568
L3.Tetracycline.biosynthesis	-0.0000012	0.0000016	-0.7221701	0.4789847

Table 2355: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0908290	0.1890688	0.4804021	0.6364263
L3.Thiamine.metabolism	-0.0000003	0.0000005	-0.5387744	0.5962994

Table 2356: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2357: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0063011	0.1486295	0.0423950	0.9666262
L3.Toluene.degradation	-0.0000001	0.0000017	-0.0520532	0.9590297

Table 2358: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.Toxoplasmosis	0.0000227	0.0000686	0.3304329	0.7446888

Table 2359: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1409268	0.1613871	0.8732218	0.3934449
L3.Transcription.factors	-0.0000001	0.0000001	-1.0225091	0.3193835

Table 2360: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0257705	0.1994366	0.1292166	0.8985444
L3.Transcription.machinery	0.0000000	0.0000003	-0.1432916	0.8875686

Table 2361: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0305798	0.1082262	0.2825543	0.7805737
L3.Transcription.related.proteins	-0.0000146	0.0000315	-0.4632341	0.6484588

Table 2362: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0943754	0.1947743	0.4845374	0.6335432
L3.Translation.factors	-0.0000003	0.0000005	-0.5394112	0.5958685

Table 2363: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1105854	0.1887756	0.5858035	0.5649019
L3.Translation.proteins	-0.0000002	0.0000003	-0.6566305	0.5192932

Table 2364: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1423383	0.1564626	0.9097274	0.3743629
L3.Transporters	0.0000000	0.0000000	-1.0768924	0.2950124

Table 2365: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0406438	0.2003324	0.2028820	0.8413841
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000005	0.0000024	-0.2247108	0.8246033

Table 2366: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.2099867	0.1756677	1.195363	0.2466524
L3.Tryptophan.metabolism	-0.0000028	0.0000021	-1.353347	0.1918282

Table 2367: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0443295	0.1884656	0.2352128	0.8165601
L3.Tuberculosis	-0.0000005	0.0000018	-0.2644084	0.7943121

Table 2368: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1061435	0.1705549	0.6223423	0.5411144
L3.Two.component.system	-0.0000001	0.0000002	-0.7181154	0.4814239

Table 2369: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0847810	0.1977331	-0.4287649	0.6729162
L3.Type.I.diabetes.mellitus	0.0000025	0.0000053	0.4758191	0.6396284

Table 2370: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0695785	0.1940916	0.3584825	0.7239345
L3.Type.II.diabetes.mellitus	-0.0000024	0.0000060	-0.3997480	0.6938004

Table 2371: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0847515	0.1903055	0.4453443	0.6611035
L3.Tyrosine.metabolism	-0.0000004	0.0000008	-0.4987614	0.6236726

Table 2372: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1617712	0.2243757	-0.7209837	0.4796977
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	0.0000016	0.0000020	0.7788955	0.4456345

Table 2373: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.3564357	0.1246911	-2.85855	0.0100524
L3.Ubiquitin.system	0.0000634	0.0000186	3.40895	0.0029443

Table 2374: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2375: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1084426	0.1752185	0.6188995	0.5433324
L3.Valine..leucine.and.isoleucine.biosynthesis	-0.0000002	0.0000003	-0.7080865	0.4874881

Table 2376: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1190610	0.2221798	0.5358768	0.5982617
L3.Valine..leucine.and.isoleucine.degradation	-0.0000009	0.0000016	-0.5805758	0.5683493

Table 2377: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0216563	0.0953748	0.2270651	0.8227984
L3.Various.types.of.N.glycan.biosynthesis	-0.0016906	0.0032760	-0.5160663	0.6117619

Table 2378: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2379: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0253045	0.0896073	-0.2823935	0.7806950
L3.Vasopressin.regulated.water.reabsorption	0.1062791	0.1238103	0.8584021	0.4013702

Table 2380: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.020779	0.0888811	0.2337848	0.8176525
L3.Vibrio.cholerae.infection	-0.043636	0.0554271	-0.7872685	0.4408354

Table 2381: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0026995	0.1891815	-0.0142696	0.9887636
L3.Vibrio.cholerae.pathogenic.cycle	0.0000001	0.0000040	0.0160326	0.9873756

Table 2382: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.Viral.myocarditis	0.0000227	0.0000686	0.3304329	0.7446888

Table 2383: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0054334	0.2020818	-0.0268872	0.9788301
L3.Vitamin.B6.metabolism	0.0000000	0.0000014	0.0297306	0.9765919

Table 2384: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2385: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0919629	0.1389661	0.6617653	0.5160680
L3.Xylene.degradation	-0.0000030	0.0000036	-0.8347673	0.4142222

Table 2386: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0341262	0.2120212	-0.1609566	0.8738267
L3.Zeatin.biosynthesis	0.0000010	0.0000055	0.1761637	0.8620294

Table 2387: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0322402	0.1229453	-0.2622325	0.7959643
L3.alpha.Linolenic.acid.metabolism	0.0000258	0.0000703	0.3667068	0.7178898

Table 2388: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0788088	0.1918952	0.4106864	0.6858971
L3.beta.Alanine.metabolism	-0.0000007	0.0000015	-0.4590976	0.6513730

Table 2389: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs
L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0212336	0.1590436	0.1335078	0.8951958
L3.beta.Lactam.resistance	-0.0000010	0.0000066	-0.1588555	0.8754591

Table 2390: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2391: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0840611	0	1

Table 2392: diversity_vs_picrust_L3_yr1: wunifrac.PC.1 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0063779	0.0881376	-0.0723634	0.9430690
L3.p53.signaling.pathway	0.0000227	0.0000686	0.3304329	0.7446888

Table 2393: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0003021	0.0424751	0.0071135	0.9943984
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	-0.0000004	0.0000306	-0.0143223	0.9887222

Table 2394: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1025786	0.0622722	1.647261	0.1159438
L3.ABC.transporters	0.0000000	0.0000000	-1.957245	0.0651739

Table 2395: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

394

Table 2396: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0896884	0.0794888	-1.128315	0.2732335
L3.Adipocytokine.signaling.pathway	0.0000020	0.0000016	1.260316	0.2228147

Table 2397: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0774799	0.0425929	1.819080	0.0846963
L3.African.trypanosomiasis	-0.0001039	0.0000386	-2.689637	0.0145099

Table 2398: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0598802	0.0845597	0.7081411	0.4874549
L3.Alanine..aspartate.and.glutamate.metabolism	-0.0000001	0.0000001	-0.7839823	0.4427151

Table 2399: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2400: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0540607	0.0712306	0.7589533	0.4571934
L3.Alzheimer.s.disease	-0.0000019	0.0000021	-0.8806953	0.3894873

Table 2401: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0982225	0.0706661	1.389953	0.1806149
L3.Amino.acid.metabolism	-0.0000007	0.0000004	-1.594432	0.1273390

Table 2402: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0788081	0.0794967	0.9913381	0.3339784
L3.Amino.acid.related.enzymes	-0.0000001	0.0000001	-1.1097142	0.2809704

Table 2403: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0738549	0.0816755	0.9042475	0.3771873
L3.Amino.sugar.and.nucleotide.sugar.metabolism	-0.0000001	0.0000001	-1.0068446	0.3266607

Table 2404: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0838284	0.0733694	1.142553	0.2674183
L3.Aminoacyl.tRNA.biosynthesis	-0.0000001	0.0000001	-1.303542	0.2079646

Table 2405: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0549168	0.0841941	0.6522639	0.5220446
L3.Aminobenzoate.degradation	-0.0000008	0.0000011	-0.7232178	0.4783557

Table 2406: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0617951	0.0528503	1.169248	0.256764
L3.Amoebiasis	-0.0000080	0.0000051	-1.551268	0.137335

Table 2407: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0169295	0.0619061	-0.2734706	0.7874421
L3.Amyotrophic.lateral.sclerosis..ALS.	0.0000018	0.0000054	0.3398510	0.7376969

Table 2408: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0477871	0.0795078	0.6010368	0.5549189
L3.Antigen.processing.and.presentation	-0.0000018	0.0000027	-0.6761952	0.5070652

Table 2409: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0075442	0.0413061	0.1826412	0.8570143
L3.Apoptosis	-0.0000108	0.0000271	-0.3985195	0.6946903

Table 2410: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0985829	0.0883172	-1.116237	0.2782390
L3.Arachidonic.acid.metabolism	0.0000090	0.0000074	1.219080	0.2377333

Table 2411: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0748182	0.0800520	0.9346193	0.3617118
L3.Arginine.and.proline.metabolism	-0.0000001	0.0000001	-1.0452953	0.3090037

Table 2412: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2413: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0673383	0.0731389	0.9206899	0.3687552
L3.Ascorbate.and.aldarate.metabolism	-0.0000009	0.0000009	-1.0560916	0.3041706

Table 2414: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0841113	0.0484071	1.737580	0.0984676
L3.Atrazine.degradation	-0.0000066	0.0000028	-2.342942	0.0301679

Table 2415: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0784274	0.0580349	1.351382	0.1924453
L3.Bacterial.chemotaxis	-0.0000003	0.0000002	-1.678045	0.1097114

Table 2416: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0860900	0.0369672	2.328818	0.0310588
L3.Bacterial.invasion.of.epithelial.cells	-0.0002391	0.0000659	-3.626766	0.0017957

Table 2417: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0700720	0.0554653	1.263349	0.2217466
L3.Bacterial.motility.proteins	-0.0000001	0.0000001	-1.615474	0.1226919

Table 2418: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0736059	0.0813612	0.9046799	0.3769638
L3.Bacterial.secretion.system	-0.0000002	0.0000002	-1.0082452	0.3260054

Table 2419: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0873815	0.0809619	1.079292	0.2939691
L3.Bacterial.toxins	-0.0000011	0.0000009	-1.201222	0.2444257

Table 2420: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0012420	0.0409922	0.0302986	0.9761449
L3.Basal.transcription.factors	-0.0000045	0.0000644	-0.0692565	0.9455091

Table 2421: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0836759	0.0766390	1.091819	0.2885645
L3.Base.excision.repair	-0.0000003	0.0000003	-1.231736	0.2330754

Table 2422: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0872129	0.0724282	1.204129	0.2433265
L3.Benzoate.degradation	-0.0000007	0.0000005	-1.377218	0.1844547

Table 2423: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0174171	0.0377839	0.4609664	0.6500556
L3.Betalain.biosynthesis	-0.0026894	0.0020689	-1.2999095	0.2091819

Table 2424: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0065364	0.0371461	-0.1759647	0.8621836
L3.Bile.secretion	0.1372643	0.1702246	0.8063714	0.4300069

Table 2425: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1000946	0.0779048	1.284833	0.2142944
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000023	0.0000016	-1.438239	0.1666347

Table 2426: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.12. . .14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2427: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0966141	0.0701318	1.377609	0.1843359
L3.Biosynthesis.of.ansamycins	-0.0000012	0.0000008	-1.584479	0.1295880

Table 2428: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0364505	0.0956046	-0.3812636	0.7072376
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000032	0.0000077	0.4129005	0.6843018

Table 2429: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2430: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0224063	0.0374090	0.5989546	0.5562779
L3.Biosynthesis.of.type.II.polyketide.products	-0.0031161	0.0019637	-1.5868381	0.1290520

Table 2431: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1053441	0.0706914	1.490198	0.1525866
L3.Biosynthesis.of.unsaturated.fatty.acids	-0.0000015	0.0000009	-1.704767	0.1045355

Table 2432: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0469002	0.0916225	0.5118852	0.6146297
L3.Biosynthesis.of.vancomycin.group.antibiotics	-0.0000010	0.0000018	-0.5582755	0.5831759

Table 2433: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0724541	0.0790027	0.9171097	0.3705803
L3.Biotin.metabolism	-0.0000007	0.0000006	-1.0293897	0.3162235

Table 2434: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0683202	0.0765766	0.8921807	0.3834565
L3.Bisphenol.degradation	-0.0000011	0.0000011	-1.0101678	0.3251072

Table 2435: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0790299	0.0357579	2.210134	0.0395637
L3.Bladder.cancer	-0.0004846	0.0001337	-3.625227	0.0018020

Table 2436: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0814493	0.0768518	1.059823	0.3025127
L3.Butanoate.metabolism	-0.0000002	0.0000002	-1.195437	0.2466240

Table 2437: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0532361	0.0738448	0.7209186	0.4797368
L3.Butirosin.and.neomycin.biosynthesis	-0.0000011	0.0000013	-0.8272612	0.4183583

Table 2438: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0908556	0.0701690	1.294811	0.2109001
L3.C5.Branched.dibasic.acid.metabolism	-0.0000004	0.0000003	-1.492212	0.1520621

Table 2439: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2440: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0034714	0.0404686	-0.0857811	0.9325379
L3.Caffeine.metabolism	0.0000380	0.0001838	0.2068440	0.8383323

Table 2441: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0015612	0.0390857	0.0399432	0.9685552
L3.Calcium.signaling.pathway	-0.0003812	0.0031802	-0.1198727	0.9058424

Table 2442: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1116592	0.0575850	1.939031	0.0674952
L3.Caprolactam.degradation	-0.0000163	0.0000069	-2.347471	0.0298873

Table 2443: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0268025	0.0657231	-0.4078091	0.6879724
L3.Carbohydrate.digestion.and.absorption	0.0000032	0.0000065	0.4911918	0.6289165

Table 2444: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0564368	0.0775024	0.7281946	0.4753742
L3.Carbohydrate.metabolism	-0.0000004	0.0000005	-0.8237078	0.4203254

Table 2445: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0721445	0.0811305	0.8892397	0.3849949
L3.Carbon.fixation.in.photosynthetic.organisms	-0.0000002	0.0000002	-0.9919188	0.3337024

Table 2446: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0531767	0.0862053	0.6168613	0.5446479
L3.Carbon.fixation.pathways.in.prokaryotes	-0.0000001	0.0000001	-0.6806013	0.5043341

Table 2447: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.45e-04	0.0379669	0.0090867	0.9928447
L3.Cardiac.muscle.contraction	-4.00e-07	0.0000098	-0.0379847	0.9700961

Table 2448: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0466657	0.0500771	-0.931878	0.3630907
L3.Carotenoid.biosynthesis	0.0000287	0.0000219	1.313725	0.2045815

Table 2449: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2450: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cell.cycle...Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0752285	0.0799450	0.9410032	0.3585143
L3.Cell.cycle...Caulobacter	-0.0000002	0.0000002	-1.0526870	0.3056888

Table 2451: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cell.cycle...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2452: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0842560	0.0775603	1.086328	0.2909244
L3.Cell.division	-0.0000016	0.0000013	-1.221806	0.2367241

Table 2453: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0617102	0.0860469	0.7171693	0.4819940
L3.Cell.motility.and.secretion	-0.0000005	0.0000007	-0.7908778	0.4387767

Table 2454: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1429598	0.0678791	-2.106094	0.0487225
L3.Cellular.antigens	0.0000049	0.0000021	2.394802	0.0270963

Table 2455: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0746013	0.0408009	1.828422	0.0832306
L3.Chagas.disease..American.trypanosomiasis.	-0.0001160	0.0000413	-2.810292	0.0111703

Table 2456: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0626116	0.0852163	0.7347375	0.4714712
L3.Chaperones.and.folding.catalysts	-0.0000001	0.0000001	-0.8118187	0.4269499

Table 2457: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0779049	0.0689899	1.129222	0.2728602
L3.Chloroalkane.and.chloroalkene.degradation	-0.0000007	0.0000005	-1.314251	0.2044078

Table 2458: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0642115	0.0539944	1.189226	0.2490009
L3.Chlorocyclohexane.and.chlorobenzene.degradation	-0.0000089	0.0000057	-1.553073	0.1369044

Table 2459: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2460: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0821253	0.0786903	1.043653	0.3097439
L3.Chromosome	-0.0000001	0.0000001	-1.170303	0.2563496

Table 2461: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2462: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0034148	0.0405100	-0.0842957	0.9337032
L3.Circadian.rhythm...plant	0.0000372	0.0001839	0.2023176	0.8418191

Table 2463: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0196695	0.0887534	0.2216201	0.8269742
L3.Citrate.cycle..TCA.cycle.	0.0000000	0.0000002	-0.2435531	0.8101872

Table 2464: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0166547	0.0334735	0.4975482	0.6245117
L3.Clavulanic.acid.biosynthesis	-0.1748742	0.0766974	-2.2800521	0.0343254

Table 2465: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.Colorectal.cancer	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2466: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2467: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0413726	0.0742515	0.5571953	0.5838991
L3.Cyanoamino.acid.metabolism	-0.0000002	0.0000003	-0.6397009	0.5300056

Table 2468: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0912214	0.0787496	1.158373	0.2610654
L3.Cysteine.and.methionine.metabolism	-0.0000002	0.0000001	-1.296195	0.2104325

Table 2469: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2470: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2471: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2472: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0864468	0.0698595	1.237437	0.2310003
L3.Cytoskeleton.proteins	-0.0000004	0.0000002	-1.430220	0.1688940

Table 2473: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2474: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0873370	0.0771785	1.131622	0.2718743

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Alanine.metabolism	-0.0000013	0.0000010	-1.273359	0.2182498

Table 2475: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0402949	0.0537229	0.7500506	0.4624117
L3.D.Arginine.and.D.ornithine.metabolism	-0.0000123	0.0000122	-1.0085950	0.3258418

Table 2476: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0777492	0.0839612	0.926013	0.3660527
L3.D.Glutamine.and.D.glutamate.metabolism	-0.0000008	0.0000008	-1.024301	0.3185584

Table 2477: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0801648	0.0800694	1.001192	0.3293152
L3.DNA.repair.and.recombination.proteins	0.0000000	0.0000000	-1.118593	0.2772575

Table 2478: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0709607	0.0833203	0.8516623	0.4050085
L3.DNA.replication	-0.0000002	0.0000002	-0.9445387	0.3567518

Table 2479: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0764591	0.0819873	0.9325729	0.3627408
L3.DNA.replication.proteins	-0.0000001	0.0000001	-1.0370612	0.3127265

Table 2480: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2481: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0866838	0.0570632	1.519083	0.1452071
L3.Dioxin.degradation	-0.0000026	0.0000014	-1.886432	0.0746161

Table 2482: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Drug.metabolism. . . cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010215	0.0703458	0.0145208	0.9885659
L3.Drug.metabolism. . . cytochrome.P450	-0.0000001	0.0000051	-0.0170496	0.9865748

Table 2483: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Drug.metabolism. . . other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0523722	0.0864657	0.6056991	0.5518822
L3.Drug.metabolism. . . other.enzymes	-0.0000003	0.0000004	-0.6679128	0.5122217

Table 2484: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2485: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0662729	0.0541820	1.223153	0.2362265
L3.Electron.transfer.carriers	-0.0000063	0.0000039	-1.590473	0.1282297

Table 2486: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2487: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0118052	0.0374291	0.3154025	0.7558941
L3.Endocytosis	-0.0826366	0.0767068	-1.0773046	0.2948329

Table 2488: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0530754	0.0848729	0.6253510	0.5391800
L3.Energy.metabolism	-0.0000001	0.0000001	-0.6922887	0.4971304

Table 2489: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0958182	0.0711992	1.345776	0.1942150
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	-0.0000016	0.0000011	-1.541970	0.1395719

Table 2490: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2491: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0144056	0.0529137	0.2722464	0.7883692
L3.Ether.lipid.metabolism	-0.0000116	0.0000307	-0.3781889	0.7094825

Table 2492: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0150746	0.0812472	-0.1855396	0.8547722
L3.Ethylbenzene.degradation	0.0000006	0.0000029	0.2081459	0.8373300

Table 2493: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2494: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0734275	0.0800371	0.917419	0.3704224
L3.Fatty.acid.biosynthesis	-0.0000002	0.0000002	-1.026358	0.3176129

Table 2495: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0034873	0.0404466	-0.0862190	0.9321944
L3.Fatty.acid.elongation.in.mitochondria	0.0000383	0.0001837	0.2084295	0.8371117

Table 2496: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0780417	0.0799228	0.9764631	0.3411047
L3.Fatty.acid.metabolism	-0.0000006	0.0000006	-1.0918603	0.2885469

Table 2497: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2498: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0118052	0.0374291	0.3154025	0.7558941
L3.Fc.gamma.R.mediated.phagocytosis	-0.0826366	0.0767068	-1.0773046	0.2948329

Table 2499: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0612724	0.0520907	1.176262	0.2540179
L3.Flagellar.assembly	-0.0000003	0.0000002	-1.576027	0.1315242

Table 2500: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0346247	0.0688772	-0.5027014	0.6209512
L3.Flavone.and.flavonol.biosynthesis	0.0000057	0.0000097	0.5929658	0.5601965

Table 2501: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.027714	0.0510107	0.5432992	0.5932415
L3.Flavonoid.biosynthesis	-0.000023	0.0000297	-0.7732856	0.4488678

Table 2502: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0777330	0.0435738	1.783938	0.0904141
L3.Fluorobenzoate.degradation	-0.0001476	0.0000568	-2.597318	0.0176861

Table 2503: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2504: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0649205	0.0886656	0.7321949	0.4729857
L3.Folate.biosynthesis	-0.0000003	0.0000003	-0.8023421	0.4322769

Table 2505: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0779198	0.0761613	1.023089	0.3191165
L3.Fructose.and.mannose.metabolism	-0.0000001	0.0000001	-1.157581	0.2613806

Table 2506: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0887363	0.0765511	1.159177	0.2607456
L3.Function.unknown	-0.0000001	0.0000001	-1.306498	0.2069779

Table 2507: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0228534	0.0397771	0.5745378	0.5723444
L3.G.protein.coupled.receptors	-0.0171401	0.0135865	-1.2615558	0.2223777

Table 2508: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2509: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0656547	0.0798053	0.8226860	0.4208922
L3.Galactose.metabolism	-0.0000001	0.0000001	-0.9222457	0.3679639

Table 2510: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2511: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.078013	0.0806711	0.9670498	0.3456684
L3.General.function.prediction.only	0.000000	0.0000000	-1.0790264	0.2940842

Table 2512: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0637272	0.0905959	-0.7034223	0.4903235
L3.Geraniol.degradation	0.0000032	0.0000042	0.7677741	0.4520583

Table 2513: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0932251	0.0504321	1.848528	0.0801508
L3.Germination	-0.0000037	0.0000015	-2.405754	0.0264861

Table 2514: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2515: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0681436	0.0809955	0.8413254	0.4106299
L3.Glutamatergic.synapse	-0.0000009	0.0000010	-0.9394422	0.3592944

Table 2516: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0237469	0.0990496	0.2397474	0.8130936
L3.Glutathione.metabolism	-0.0000002	0.0000008	-0.2582330	0.7990036

Table 2517: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2518: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0307719	0.0757918	-0.4060053	0.6892748
L3.Glycan.biosynthesis.and.metabolism	0.0000019	0.0000042	0.4638761	0.6480070

Table 2519: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0874488	0.0676323	1.293004	0.2115115
L3.Glycerolipid.metabolism	-0.0000004	0.0000002	-1.508545	0.1478644

Table 2520: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0879196	0.0726414	1.210322	0.2409975
L3.Glycerophospholipid.metabolism	-0.0000003	0.0000002	-1.382895	0.1827351

Table 2521: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0728870	0.0840806	0.8668700	0.3968291
L3.Glycine..serine.and.threonine.metabolism	-0.0000001	0.0000001	-0.9592685	0.3494725

Table 2522: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Glycolysis. . . Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0835750	0.0775464	1.077741	0.2946432
L3.Glycolysis. . . Gluconeogenesis	-0.0000001	0.0000001	-1.212384	0.2402259

Table 2523: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016217	0.0378106	0.0428889	0.9662376
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	-0.0012162	0.0064130	-0.1896523	0.8515930

Table 2524: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1118710	0.0657912	-1.700394	0.1053681
L3.Glycosaminoglycan.degradation	0.0000017	0.0000009	1.977213	0.0627109

Table 2525: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0993231	0.0599008	-1.658126	0.1137106
L3.Glycosphingolipid.biosynthesis...ganglio.series	0.0000022	0.0000011	2.000336	0.0599629

Table 2526: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosphingolipid.biosynthesis...globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0387962	0.0813565	-0.4768668	0.6388958
L3.Glycosphingolipid.biosynthesis...globo.series	0.0000004	0.0000008	0.5339218	0.5995875

Table 2527: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0005962	0.0393798	-0.0151390	0.9880791
L3.Glycosphingolipid.biosynthesis...lacto.and.neolacto.series	0.0000030	0.0000686	0.0430468	0.9661134

Table 2528: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

416

Table 2529: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0679007	0.0904757	0.7504853	0.4621561
L3.Glycosyltransferases	-0.0000003	0.0000004	-0.8190261	0.4229262

Table 2530: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0840615	0.0787146	1.067929	0.2989342
L3.Glyoxylate.and.dicarboxylate.metabolism	-0.0000002	0.0000002	-1.196955	0.2460460

Table 2531: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0118052	0.0374291	0.3154025	0.7558941
L3.GnRH.signaling.pathway	-0.0826366	0.0767068	-1.0773046	0.2948329

Table 2532: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2533: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2534: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2535: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0562394	0.0826677	0.6803067	0.5045164

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Histidine.metabolism	-0.0000001	0.0000002	-0.7573221	0.4581468

Table 2536: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0730801	0.0814777	0.8969330	0.3809792
L3.Homologous.recombination	-0.0000001	0.0000001	-0.9993732	0.3301724

Table 2537: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0592474	0.0745469	-0.7947661	0.4365654
L3.Huntington.s.disease	0.0000033	0.0000037	0.9083102	0.3750919

Table 2538: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0011168	0.0377581	0.029579	0.9767113
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0033505	0.0247185	-0.135548	0.8936044

Table 2539: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2540: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.Influenza.A	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2541: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0583348	0.0812723	0.7177691	0.4816325
L3.Inorganic.ion.transport.and.metabolism	-0.0000005	0.0000006	-0.8020013	0.4324693

Table 2542: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0369344	0.0842770	0.4382504	0.6661469
L3.Inositol.phosphate.metabolism	-0.0000006	0.0000012	-0.4866434	0.6320773

Table 2543: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0577802	0.0727433	0.7943034	0.4368281
L3.Insulin.signaling.pathway	-0.0000011	0.0000012	-0.9147506	0.3717863

Table 2544: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0493942	0.0871562	0.5667317	0.5775308
L3.Ion.channels	-0.0000054	0.0000087	-0.6240736	0.5400007

Table 2545: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0008295	0.0385498	0.0215186	0.9830563
L3.Isoflavonoid.biosynthesis	-0.0058068	0.0790037	-0.0735001	0.9421765

Table 2546: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0393241	0.0956302	0.4112097	0.6855199
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000010	0.0000023	-0.4452553	0.6611667

Table 2547: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2548: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2549: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0597379	0.0807033	0.7402155	0.4682183
L3.Limonene.and.pinene.degradation	-0.0000013	0.0000016	-0.8283116	0.4177779

Table 2550: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0688034	0.0762924	0.9018383	0.3784334
L3.Linoleic.acid.metabolism	-0.0000013	0.0000013	-1.0220045	0.3196161

Table 2551: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0550027	0.0837464	0.6567765	0.5192013
L3.Lipid.biosynthesis.proteins	-0.0000001	0.0000002	-0.7290814	0.4748440

Table 2552: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1005716	0.0678264	1.482779	0.1545308
L3.Lipid.metabolism	-0.0000012	0.0000007	-1.718686	0.1019235

Table 2553: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1258763	0.0713967	-1.763055	0.0939685
L3.Lipoic.acid.metabolism	0.0000053	0.0000027	1.996749	0.0603820

Table 2554: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1243830	0.0805599	-1.543981	0.1390857
L3.Lipopolysaccharide.biosynthesis	0.0000008	0.0000005	1.706686	0.1041720

Table 2555: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0899424	0.0896129	-1.003678	0.3281460
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000004	0.0000003	1.094583	0.2873818

Table 2556: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2557: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2558: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0859768	0.0750493	1.145603	0.2661844
L3.Lysine.biosynthesis	-0.0000002	0.0000001	-1.298499	0.2096561

Table 2559: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0805287	0.0830982	0.9690778	0.3446816
L3.Lysine.degradation	-0.0000011	0.0000010	-1.0738126	0.2963556

Table 2560: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1219570	0.0723391	-1.685908	0.1081662
L3.Lysosome	0.0000012	0.0000006	1.906489	0.0718260

Table 2561: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2562: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0141555	0.0883813	0.1601645	0.8744420
L3.MAPK.signaling.pathway. . . yeast	-0.0000004	0.0000025	-0.1761974	0.8620033

Table 2563: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2564: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0098723	0.040965	0.2409928	0.8121422
L3.Meiosis. . . yeast	-0.0000059	0.000011	-0.5359713	0.5981977

Table 2565: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0174171	0.0377839	0.4609664	0.6500556
L3.Melanogenesis	-0.0026894	0.0020689	-1.2999095	0.2091819

Table 2566: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114166	0.0930515	-0.1226909	0.9036403
L3.Membrane.and.intracellular.structural.molecules	0.0000000	0.0000002	0.1336140	0.8951129

Table 2567: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0968443	0.0676391	1.431779	0.1684528
L3.Metabolism.of.cofactors.and.vitamins	-0.0000014	0.0000008	-1.663619	0.1125956

Table 2568: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0003867	0.0697493	0.0055439	0.9956345
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	0.0000000	0.0000051	-0.0065306	0.9948574

Table 2569: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0922042	0.0746180	1.235683	0.2316371
L3.Methane.metabolism	-0.0000001	0.0000001	-1.400270	0.1775510

Table 2570: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0433401	0.0507924	0.8532791	0.4041338
L3.Mineral.absorption	-0.0000259	0.0000217	-1.1948203	0.2468594

Table 2571: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0807883	0.0794899	1.016335	0.3222382
L3.Mismatch.repair	-0.0000002	0.0000001	-1.137281	0.2695606

Table 2572: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0009329	0.0836052	-0.0111588	0.9912131
L3.N.Glycan.biosynthesis	0.0000001	0.0000047	0.0124327	0.9902100

Table 2573: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0428979	0.0834600	0.5139930	0.6131832
L3.NOD.like.receptor.signaling.pathway	-0.0000015	0.0000026	-0.5717446	0.5741975

Table 2574: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0361108	0.0820995	0.4398426	0.6650135
L3.Naphthalene.degradation	-0.0000005	0.0000009	-0.4914843	0.6287135

Table 2575: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2576: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2577: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0705612	0.0805984	0.8754663	0.3922536
L3.Nicotinate.and.nicotinamide.metabolism	-0.0000003	0.0000003	-0.9783022	0.3402179

Table 2578: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0646579	0.0868901	0.7441341	0.4658995
L3.Nitrogen.metabolism	-0.0000001	0.0000002	-0.8187099	0.4231023

Table 2579: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0978313	0.0543338	1.800560	0.0876691
L3.Nitrotoluene.degradation	-0.0000015	0.0000007	-2.256165	0.0360386

Table 2580: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0520218	0.0512407	1.015244	0.3227444
L3.Non.homologous.end.joining	-0.0000165	0.0000118	-1.394020	0.1794019

Table 2581: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2582: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.083055	0.0798022	1.040762	0.3110495
L3.Novobiocin.biosynthesis	-0.000001	0.0000008	-1.163047	0.2592101

Table 2583: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0834538	0.0769281	1.084828	0.2915714
L3.Nucleotide.excision.repair	-0.0000003	0.0000003	-1.222776	0.2363656

Table 2584: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1107899	0.0575816	1.924050	0.0694592
L3.Nucleotide.metabolism	-0.0000040	0.0000017	-2.331101	0.0309131

Table 2585: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2586: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0594727	0.0857518	0.6935442	0.4963601
L3.One.carbon.pool.by.folate	-0.0000002	0.0000002	-0.7655627	0.4533424

Table 2587: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2588: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0740025	0.0869770	-0.8508287	0.4054600
L3.Other.glycan.degradation	0.0000003	0.0000003	0.9348948	0.3615734

Table 2589: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0641032	0.0867094	0.7392877	0.4687682
L3.Other.ion.coupled.transporters	-0.0000001	0.0000001	-0.8137703	0.4258580

Table 2590: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0680556	0.0811626	0.8385095	0.4121699
L3.Other.transporters	-0.0000004	0.0000004	-0.9358617	0.3610880

Table 2591: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2592: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0715979	0.0799830	0.895164	0.3819002
L3.Others	-0.0000001	0.0000001	-1.001944	0.3289613

Table 2593: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0738483	0.0795928	0.9278263	0.3651352
L3.Oxidative.phosphorylation	-0.0000001	0.0000001	-1.0392901	0.3117156

Table 2594: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0007501	0.0887571	0.0084515	0.9933448
L3.PPAR.signaling.pathway	0.0000000	0.0000011	-0.0092909	0.9926839

Table 2595: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2596: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2597: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0903438	0.0755817	1.195312	0.2466719
L3.Pantothenate.and.CoA.biosynthesis	-0.0000002	0.0000002	-1.350884	0.1926021

Table 2598: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0002936	0.0379240	0.0077429	0.9939029
L3.Parkinson.s.disease	-0.0000002	0.0000074	-0.0329929	0.9740243

Table 2599: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2600: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0484436	0.0772389	0.6271921	0.5379980
L3.Pathways.in.cancer	-0.0000016	0.0000023	-0.7110257	0.4857063

Table 2601: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0792423	0.0758498	1.044726	0.3092599
L3.Penicillin.and.cephalosporin.biosynthesis	-0.0000045	0.0000038	-1.182941	0.2514239

Table 2602: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0580144	0.0821379	0.7063052	0.4885698
L3.Pentose.and.glucuronate.interconversions	-0.0000001	0.0000002	-0.7872583	0.4408413

Table 2603: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0819447	0.0768914	1.065720	0.2999064
L3.Pentose.phosphate.pathway	-0.0000001	0.0000001	-1.201798	0.2442078

Table 2604: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0796459	0.0811435	0.9815434	0.3386591
L3.Peptidases	-0.0000001	0.0000001	-1.0934394	0.2878708

Table 2605: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0869370	0.0771143	1.127379	0.2736190
L3.Peptidoglycan.biosynthesis	-0.0000002	0.0000001	-1.268957	0.2197822

Table 2606: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0266487	0.0900953	-0.2957834	0.7706039
L3.Peroxisome	0.0000002	0.0000007	0.3239850	0.7494888

Table 2607: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0842160	0.082390	-1.022163	0.3195433
L3.Pertussis	0.0000046	0.000004	1.134005	0.2708983

Table 2608: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2609: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0460546	0.0845975	0.5443972	0.5925006
L3.Phenylalanine.metabolism	-0.0000004	0.0000006	-0.6035211	0.5532997

Table 2610: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0917990	0.0748041	1.227192	0.2347394
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	-0.0000002	0.0000001	-1.389938	0.1806192

Table 2611: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0275626	0.0681818	0.4042510	0.6905424
L3.Phenylpropanoid.biosynthesis	-0.0000002	0.0000004	-0.4793741	0.6371439

Table 2612: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0304942	0.0882609	0.3455011	0.7335135
L3.Phosphatidylinositol.signaling.system	-0.0000005	0.0000014	-0.3799588	0.7081900

Table 2613: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0758884	0.0780079	0.9728301	0.3428611
L3.Phosphonate.and.phosphinate.metabolism	-0.0000017	0.0000016	-1.0945854	0.2873809

Table 2614: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0896443	0.0523813	1.711381	0.1032873
L3.Phosphotransferase.system..PTS.	-0.0000004	0.0000002	-2.199840	0.0403942

Table 2615: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0942926	0.0672904	1.401280	0.1772533
L3.Photosynthesis	-0.0000003	0.0000002	-1.632523	0.1190323

Table 2616: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Photosynthesis. . . antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0014026	0.0391130	0.0358597	0.9717683
L3.Photosynthesis. . . antenna.proteins	-0.0000200	0.0001871	-0.1070855	0.9158438

Table 2617: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0940079	0.0672837	1.397187	0.1784622
L3.Photosynthesis.proteins	-0.0000003	0.0000002	-1.628010	0.1199919

Table 2618: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2619: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Phototransduction. . . fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2620: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0870861	0.0704963	1.235329	0.2317659
L3.Plant.pathogen.interaction	-0.0000009	0.0000006	-1.423698	0.1707495

Table 2621: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0725919	0.0776499	0.9348609	0.3615904
L3.Polycyclic.aromatic.hydrocarbon.degradation	-0.0000010	0.0000010	-1.0537775	0.3052019

Table 2622: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0635094	0.0867966	0.7317037	0.4732786
L3.Polyketide.sugar.unit.biosynthesis	-0.0000004	0.0000005	-0.8053103	0.4306040

Table 2623: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0889927	0.0959329	-0.9276555	0.3652215
L3.Pores.ion.channels	0.0000004	0.0000004	1.0004837	0.3296488

Table 2624: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0894405	0.0737240	1.213181	0.2399281
L3.Porphyrin.and.chlorophyll.metabolism	-0.0000001	0.0000001	-1.380105	0.1835787

Table 2625: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0469076	0.0864874	0.5423642	0.5938727
L3.Prenyltransferases	-0.0000002	0.0000004	-0.5983342	0.5566832

Table 2626: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0710800	0.0706260	1.006429	0.3268554
L3.Primary.bile.acid.biosynthesis	-0.0000026	0.0000022	-1.165464	0.2582545

Table 2627: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0444315	0.0794576	0.5591855	0.5825671
L3.Primary.immunodeficiency	-0.0000014	0.0000023	-0.6294797	0.5365315

Table 2628: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0165473	0.0571233	0.2896768	0.7752010
L3.Prion.diseases	-0.0000043	0.0000113	-0.3782169	0.7094621

Table 2629: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0477871	0.0795078	0.6010368	0.5549189
L3.Progesterone.mediated.oocyte.maturation	-0.0000018	0.0000027	-0.6761952	0.5070652

Table 2630: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0864992	0.0786580	1.099687	0.2852072
L3.Propanoate.metabolism	-0.0000003	0.0000002	-1.232120	0.2329352

Table 2631: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0322691	0.0812643	0.3970880	0.6957278
L3.Prostate.cancer	-0.0000011	0.0000026	-0.4449826	0.6613603

Table 2632: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0569686	0.0779800	0.7305538	0.4739646
L3.Proteasome	-0.0000021	0.0000025	-0.8249580	0.4196327

Table 2633: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.1278672	0.0599864	-2.131602	0.0463140
L3.Protein.digestion.and.absorption	0.0000073	0.0000029	2.517736	0.0209417

Table 2634: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0734280	0.0812538	0.9036871	0.3774769
L3.Protein.export	-0.0000002	0.0000002	-1.0074707	0.3263676

Table 2635: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0728385	0.0822471	0.8856056	0.3869014
L3.Protein.folding.and.associated.processing	-0.0000002	0.0000002	-0.9847104	0.3371407

Table 2636: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0972485	0.0679561	1.431048	0.1686594
L3.Protein.kinases	-0.0000005	0.0000003	-1.660217	0.1132851

Table 2637: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0471423	0.0929537	-0.5071586	0.6178794
L3.Protein.processing.in.endoplasmic.reticulum	0.0000011	0.0000020	0.5516558	0.5876144

Table 2638: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041904	0.0672448	-0.0623161	0.9509620
L3.Proximal.tubule.bicarbonate.reclamation	0.0000003	0.0000040	0.0745072	0.9413857

Table 2639: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0831956	0.0810771	1.026130	0.3177178
L3.Purine.metabolism	-0.0000001	0.0000001	-1.142588	0.2674038

Table 2640: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0758737	0.0818374	0.9271271	0.3654888
L3.Pyrimidine.metabolism	-0.0000001	0.0000001	-1.0315228	0.3152484

Table 2641: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0858946	0.0785899	1.092947	0.2880816
L3.Pyruvate.metabolism	-0.0000001	0.0000001	-1.224973	0.2355558

Table 2642: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0218744	0.0472361	-0.4630860	0.6485630
L3.RIG.I.like.receptor.signaling.pathway	0.0000164	0.0000225	0.7256073	0.4769228

Table 2643: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs
L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0612844	0.0849052	0.7217981	0.4792082
L3.RNA.degradation	-0.0000002	0.0000003	-0.7982678	0.4345799

Table 2644: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0943217	0.0788477	1.196251	0.2463138
L3.RNA.polymerase	-0.0000010	0.0000007	-1.337287	0.1969195

Table 2645: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0970007	0.0669800	1.448204	0.1638618
L3.RNA.transport	-0.0000011	0.0000007	-1.687451	0.1078651

Table 2646: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2647: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0422722	0.0612325	0.6903561	0.4983175
L3.Renal.cell.carcinoma	-0.0000115	0.0000135	-0.8556451	0.4028559

Table 2648: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0048112	0.0383390	0.1254920	0.9014524
L3.Renin.angiotensin.system	-0.0067357	0.0155901	-0.4320523	0.6705669

Table 2649: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0964613	0.0722821	1.334511	0.1978102
L3.Replication..recombination.and.repair.proteins	-0.0000002	0.0000001	-1.522636	0.1443202

Table 2650: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023576	0.0874220	0.0269677	0.9787668
L3.Restriction.enzyme	0.0000000	0.0000007	-0.0297414	0.9765835

Table 2651: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0328962	0.0719740	-0.4570571	0.6528126
L3.Retinol.metabolism	0.0000022	0.0000042	0.5307903	0.6017140

Table 2652: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2653: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0832827	0.0857565	0.9711533	0.3436738
L3.Riboflavin.metabolism	-0.0000006	0.0000005	-1.0687680	0.2985654

Table 2654: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0765070	0.0792464	0.9654326	0.3464566
L3.Ribosome	-0.0000001	0.0000000	-1.0819974	0.2927956

Table 2655: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0877512	0.0758195	1.157369	0.2614652
L3.Ribosome.Biogenesis	-0.0000001	0.0000001	-1.307862	0.2065240

Table 2656: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0781036	0.0764306	1.021889	0.3196694
L3.Ribosome.biogenesis.in.eukaryotes	-0.0000027	0.0000023	-1.155131	0.2623581

Table 2657: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2658: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0674550	0.0715947	0.9421795	0.3579273
L3.Secondary.bile.acid.biosynthesis	-0.0000025	0.0000023	-1.0876505	0.2903548

Table 2659: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0903002	0.0695534	1.298286	0.2097278
L3.Secretion.system	-0.0000001	0.0000001	-1.500314	0.1499677

Table 2660: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0940285	0.0774893	1.213438	0.2398322
L3.Selenocompound.metabolism	-0.0000004	0.0000003	-1.361962	0.1891404

Table 2661: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2662: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0114414	0.0392650	0.2913883	0.7739117
L3.Shigellosis	-0.0060067	0.0078455	-0.7656223	0.4533077

Table 2663: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0953226	0.0703937	1.354135	0.1915811
L3.Signal.transduction.mechanisms	-0.0000003	0.0000002	-1.556632	0.1360584

Table 2664: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.Small.cell.lung.cancer	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2665: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0362805	0.0844015	-0.4298559	0.6721361
L3.Sphingolipid.metabolism	0.0000002	0.0000004	0.4771844	0.6386737

Table 2666: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2667: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0938369	0.0548777	1.709928	0.1035605
L3.Sporulation	-0.0000002	0.0000001	-2.143167	0.0452582

Table 2668: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0380884	0.0532075	0.7158458	0.4827923
L3.Staphylococcus.aureus.infection	-0.0000112	0.0000115	-0.9717524	0.3433833

Table 2669: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0691426	0.0740733	0.9334344	0.3623073
L3.Starch.and.sucrose.metabolism	-0.0000001	0.0000001	-1.0663220	0.2996411

Table 2670: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0035450	0.0406581	-0.0871904	0.9314325
L3.Steroid.biosynthesis	0.0000125	0.0000610	0.2056992	0.8392138

Table 2671: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0784547	0.0541912	-1.447738	0.1639908
L3.Steroid.hormone.biosynthesis	0.0000050	0.0000027	1.856303	0.0789869

Table 2672: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0301316	0.0433557	0.6949851	0.4954769
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	-0.0001026	0.0000847	-1.2119289	0.2403962

Table 2673: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0577030	0.0852545	0.6768327	0.5066695
L3.Streptomycin.biosynthesis	-0.0000003	0.0000003	-0.7481840	0.4635104

Table 2674: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0973889	0.0512786	1.899213	0.0728273
L3.Styrene.degradation	-0.0000080	0.0000033	-2.438960	0.0247132

Table 2675: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0607176	0.0842526	0.7206608	0.4798918
L3.Sulfur.metabolism	-0.0000003	0.0000004	-0.7983954	0.4345077

Table 2676: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1064839	0.0685047	1.554402	0.1365879
L3.Sulfur.relay.system	-0.0000007	0.0000004	-1.792159	0.0890473

Table 2677: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0760227	0.0650805	1.168132	0.2572029
L3.Synthesis.and.degradation.of.ketone.bodies	-0.0000050	0.0000036	-1.387644	0.1813062

Table 2678: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011458	0.0422105	-0.0271439	0.978628
L3.Systemic.lupus.erythematosus	0.0000102	0.0001826	0.0557183	0.956148

Table 2679: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2680: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0567615	0.0912625	0.6219588	0.5413611
L3.Taurine.and.hypotaurine.metabolism	-0.0000008	0.0000012	-0.6783387	0.5057355

Table 2681: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0710081	0.0826422	0.8592231	0.4009284
L3.Terpenoid.backbone.biosynthesis	-0.0000002	0.0000002	-0.9546270	0.3517552

Table 2682: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0922978	0.0695479	1.327111	0.2002002
L3.Tetracycline.biosynthesis	-0.0000010	0.0000007	-1.532491	0.1418835

Table 2683: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0861999	0.0783553	1.100115	0.2850254
L3.Thiamine.metabolism	-0.0000003	0.0000002	-1.233787	0.2323270

Table 2684: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2685: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0138100	0.0634180	0.2177618	0.8299363
L3.Toluene.degradation	-0.0000002	0.0000007	-0.2673711	0.7920642

Table 2686: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.Toxoplasmosis	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2687: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1008609	0.0654737	1.540480	0.1399332
L3.Transcription.factors	-0.0000001	0.0000001	-1.803843	0.0871356

Table 2688: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0609237	0.0838765	0.7263506	0.4764776
L3.Transcription.machinery	-0.0000001	0.0000001	-0.8054691	0.4305146

Table 2689: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0519743	0.0422162	1.231146	0.2332909
L3.Transcription.related.proteins	-0.0000248	0.0000123	-2.018404	0.0578912

Table 2690: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0749023	0.0816824	0.9169949	0.3706390
L3.Translation.factors	-0.0000002	0.0000002	-1.0208445	0.3201514

Table 2691: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0823944	0.0788051	1.045547	0.3088903
L3.Translation.proteins	-0.0000002	0.0000001	-1.171960	0.2556997

Table 2692: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0995679	0.0633635	1.571378	0.1325993
L3.Transporters	0.0000000	0.0000000	-1.860123	0.0784206

Table 2693: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0593818	0.084409	0.7035001	0.4902762
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000008	0.000001	-0.7791921	0.4454640

Table 2694: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0799910	0.0758316	1.054851	0.3047231
L3.Tryptophan.metabolism	-0.0000011	0.0000009	-1.194265	0.2470715

Table 2695: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0672318	0.0788245	0.8529309	0.4043221
L3.Tuberculosis	-0.0000007	0.0000007	-0.9588002	0.3497023

Table 2696: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0884390	0.0700804	1.261965	0.2222336
L3.Two.component.system	-0.0000001	0.0000001	-1.456171	0.1616721

Table 2697: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0509964	0.0840273	0.6069030	0.5510994
L3.Type.I.diabetes.mellitus	-0.0000015	0.0000023	-0.6735067	0.5087357

Table 2698: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0819676	0.0806318	1.016567	0.3221306
L3.Type.II.diabetes.mellitus	-0.0000028	0.0000025	-1.133585	0.2710700

Table 2699: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0707818	0.0798328	0.8866250	0.3863660
L3.Tyrosine.metabolism	-0.0000004	0.0000004	-0.9929718	0.3332021

Table 2700: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.105505	0.0938555	-1.124121	0.2749638
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	0.000001	0.0000009	1.214415	0.2394680

Table 2701: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0830611	0.0637342	-1.303242	0.2080649
L3.Ubiquitin.system	0.0000148	0.0000095	1.554175	0.1366421

Table 2702: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2703: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0928685	0.0718582	1.292385	0.2117214
L3.Valine..leucine.and.isoleucine.biosynthesis	-0.0000002	0.0000001	-1.478625	0.1556284

Table 2704: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239502	0.0956258	0.2504572	0.8049221
L3.Valine..leucine.and.isoleucine.degradation	-0.0000002	0.0000007	-0.2713486	0.7890492

Table 2705: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0133859	0.0404556	-0.3308788	0.7443572
L3.Various.types.of.N.glycan.biosynthesis	0.0010450	0.0013896	0.7520109	0.4612596

Table 2706: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2707: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001733	0.0390387	0.0044391	0.9965044
L3.Vasopressin.regulated.water.reabsorption	-0.0007279	0.0539397	-0.0134938	0.9893745

Table 2708: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0172459	0.0362357	0.4759356	0.6395469
L3.Vibrio.cholerae.infection	-0.0362163	0.0225969	-1.6027093	0.1254936

Table 2709: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0906332	0.0774195	1.170678	0.2562025
L3.Vibrio.cholerae.pathogenic.cycle	-0.0000021	0.0000016	-1.315308	0.2040594

Table 2710: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.Viral.myocarditis	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2711: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0319843	0.0860013	0.3719046	0.7140793
L3.Vitamin.B6.metabolism	-0.0000002	0.0000006	-0.4112355	0.6855013

Table 2712: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2713: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0803255	0.0558359	1.438599	0.1665339
L3.Xylene.degradation	-0.0000026	0.0000014	-1.814685	0.0853937

Table 2714: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0171233	0.0906018	0.1889954	0.8521006
L3.Zeatin.biosynthesis	-0.0000005	0.0000024	-0.2068517	0.8383264

Table 2715: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0747627	0.0469698	1.591718	0.127949
L3.alpha.Linolenic.acid.metabolism	-0.0000598	0.0000268	-2.225864	0.038325

Table 2716: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0987357	0.0784975	1.25782	0.2236967
L3.beta.Alanine.metabolism	-0.0000009	0.0000006	-1.40609	0.1758413

Table 2717: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.1004853	0.0622543	1.614108	0.1229891
L3.beta.Lactam.resistance	-0.0000050	0.0000026	-1.920563	0.0699237

Table 2718: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2719: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0359325	0	1

Table 2720: diversity_vs_picrust_L3_yr1: wunifrac.PC.2 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001393	0.0377828	0.0036866	0.9970970
L3.p53.signaling.pathway	-0.0000005	0.0000294	-0.0168339	0.9867446

Table 2721: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0268747	0.0257715	1.042804	0.3101265
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	-0.0000390	0.0000186	-2.099575	0.0493559

Table 2722: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0177642	0.0457158	0.3885785	0.7019079
L3.ABC.transporters	0.0000000	0.0000000	-0.4617017	0.6495377

Table 2723: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2724: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0335483	0.0550580	0.6093259	0.5495260
L3.Adipocytokine.signaling.pathway	-0.0000007	0.0000011	-0.6806109	0.5043281

Table 2725: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0301856	0.0321129	0.9399842	0.3590234
L3.African.trypanosomiasis	-0.0000405	0.0000291	-1.3898321	0.1806509

Table 2726: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0283212	0.0574123	0.4932951	0.6274574
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000000	0.0000001	-0.5461264	0.5913347

Table 2727: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2728: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0267966	0.0484175	0.5534474	0.5864115
L3.Alzheimer.s.disease	-0.0000009	0.0000014	-0.6422248	0.5284009

Table 2729: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0083783	0.0506266	0.1654915	0.8703053
L3.Amino.acid.metabolism	-0.0000001	0.0000003	-0.1898373	0.8514500

Table 2730: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0268882	0.0548122	0.4905521	0.6293606
L3.Amino.acid.related.enzymes	0.0000000	0.0000001	-0.5491292	0.5893129

Table 2731: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0195192	0.0562328	0.3471146	0.7323205
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.0000000	0.0000001	-0.3864987	0.7034217

Table 2732: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0303024	0.0509599	0.5946322	0.5591047
L3.Aminoacyl.tRNA.biosynthesis	0.0000000	0.0000001	-0.6784176	0.5056866

Table 2733: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0244055	0.0571401	0.4271175	0.6740948
L3.Aminobenzoate.degradation	-0.0000004	0.0000007	-0.4735798	0.6411957

Table 2734: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0310117	0.0365811	0.8477521	0.4071291
L3.Amoebiasis	-0.0000040	0.0000035	-1.1247325	0.2747112

Table 2735: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288159	0.0410028	0.7027789	0.4907154
L3.Amyotrophic.lateral.sclerosis..ALS.	-0.0000031	0.0000036	-0.8733669	0.3933679

Table 2736: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0282720	0.0536920	0.5265592	0.6045931
L3.Antigen.processing.and.presentation	-0.0000011	0.0000018	-0.5924044	0.5605646

Table 2737: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0154550	0.0268413	0.5757902	0.5715146
L3.Apoptosis	-0.0000221	0.0000176	-1.2563630	0.2242128

Table 2738: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0199591	0.0615575	0.3242357	0.7493019
L3.Arachidonic.acid.metabolism	-0.0000018	0.0000051	-0.3541085	0.7271570

Table 2739: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0211246	0.0551746	0.3828677	0.7060675
L3.Arginine.and.proline.metabolism	0.0000000	0.0000001	-0.4282063	0.6733158

Table 2740: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2741: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0233178	0.0503083	0.4634981	0.6482730
L3.Ascorbate.and.aldarate.metabolism	-0.0000003	0.0000006	-0.5316627	0.6011212

Table 2742: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0015416	0.0370080	0.0416553	0.9672081
L3.Atrazine.degradation	-0.0000001	0.0000021	-0.0561678	0.9557946

Table 2743: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0156498	0.0416423	0.3758158	0.7112170
L3.Bacterial.chemotaxis	-0.0000001	0.0000001	-0.4666599	0.6460496

Table 2744: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0116316	0.0321188	0.3621431	0.7212417
L3.Bacterial.invasion.of.epithelial.cells	-0.0000323	0.0000573	-0.5639806	0.5793643

Table 2745: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0222099	3.93e-02	0.5651376	0.5785929
L3.Bacterial.motility.proteins	0.0000000	1.00e-07	-0.7226545	0.4786939

Table 2746: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0395904	0.0553216	0.7156402	0.4829164
L3.Bacterial.secretion.system	-0.0000001	0.0000001	-0.7975647	0.4349781

Table 2747: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.37e-02	0.0564487	0.2426978	0.8108402
L3.Bacterial.toxins	-2.00e-07	0.0000007	-0.2701161	0.7899831

Table 2748: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0105084	0.0270545	0.3884161	0.7020262
L3.Basal.transcription.factors	-0.0000378	0.0000425	-0.8878422	0.3857273

Table 2749: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239096	0.0532761	0.4487866	0.6586621
L3.Base.excision.repair	-0.0000001	0.0000002	-0.5062986	0.6184715

Table 2750: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0213529	0.0508464	0.4199494	0.6792331
L3.Benzoate.degradation	-0.0000002	0.0000004	-0.4803155	0.6364867

Table 2751: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0069414	0.0261708	-0.2652344	0.7936852
L3.Betalain.biosynthesis	0.0010718	0.0014330	0.7479518	0.4636472

Table 2752: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0043399	0.0250283	-0.1734007	0.8641705
L3.Bile.secretion	0.0911384	0.1146941	0.7946217	0.4366474

Table 2753: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0219178	0.0549604	0.3987934	0.6944918
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000005	0.0000011	-0.4464087	0.6603482

Table 2754: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Biosynthesis.of.12...14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2755: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147081	0.0501044	0.2935484	0.7722854
L3.Biosynthesis.of.ansamycins	-0.0000002	0.0000006	-0.3376294	0.7393441

Table 2756: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0177420	0.0645235	-0.2749689	0.7863080
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000015	0.0000052	0.2977855	0.7690985

Table 2757: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2758: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0070089	0.0264703	-0.264782	0.7940286
L3.Biosynthesis.of.type.II.polyketide.products	0.0009747	0.0013895	0.701499	0.4914955

Table 2759: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0292842	0.0505381	0.5794465	0.5690954
L3.Biosynthesis.of.unsaturated.fatty.acids	-0.0000004	0.0000006	-0.6628794	0.5153698

Table 2760: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0207313	0.0619913	0.3344222	0.7417243
L3.Biosynthesis.of.vancomycin.group.antibiotics	-0.0000005	0.0000012	-0.3647297	0.7193412

Table 2761: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0205062	0.0544129	0.3768624	0.7104519
L3.Biotin.metabolism	-0.0000002	0.0000004	-0.4230009	0.6770437

Table 2762: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0221174	0.0526253	0.4202804	0.6789955
L3.Bisphenol.degradation	-0.0000004	0.0000008	-0.4758607	0.6395993

Table 2763: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0031080	0.0312998	0.0992981	0.9219418
L3.Bladder.cancer	-0.0000191	0.0001170	-0.1628762	0.8723358

Table 2764: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348434	0.0529048	0.6586059	0.5180511
L3.Butanoate.metabolism	-0.0000001	0.0000001	-0.7428805	0.4666406

Table 2765: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0373343	0.0496557	0.7518622	0.461347
L3.Butirosin.and.neomycin.biosynthesis	-0.0000008	0.0000009	-0.8627692	0.399024

Table 2766: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0264697	0.0494556	0.5352212	0.5987061
L3.C5.Branched.dibasic.acid.metabolism	-0.0000001	0.0000002	-0.6168190	0.5446752

Table 2767: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2768: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0019071	0.0272642	-0.0699483	0.9449658
L3.Caffeine.metabolism	0.0000209	0.0001238	0.1686663	0.8678417

Table 2769: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0050440	0.0261025	0.1932394	0.8488223
L3.Calcium.signaling.pathway	-0.0012317	0.0021239	-0.5799271	0.5687778

Table 2770: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0356974	0.0429171	0.8317758	0.4158674
L3.Caprolactam.degradation	-0.0000052	0.0000052	-1.0069820	0.3265964

Table 2771: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0428095	0.0429424	0.9969047	0.3313384
L3.Carbohydrate.digestion.and.absorption	-0.0000051	0.0000043	-1.2007368	0.2446096

Table 2772: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0492730	0.0515564	0.9557093	0.3512220
L3.Carbohydrate.metabolism	-0.0000004	0.0000003	-1.0810644	0.2931998

Table 2773: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0237645	0.0557039	0.4266216	0.6744498
L3.Carbon.fixation.in.photosynthetic.organisms	-0.0000001	0.0000001	-0.4758829	0.6395838

Table 2774: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0406678	0.0578504	0.7029817	0.4905919
L3.Carbon.fixation.pathways.in.prokaryotes	-0.0000001	0.0000001	-0.7756205	0.4475203

Table 2775: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0061042	0.0248910	0.2452392	0.8089006
L3.Cardiac.muscle.contraction	-0.0000066	0.0000064	-1.0251613	0.3181628

Table 2776: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0064066	0.0351622	-0.1822017	0.8573544
L3.Carotenoid.biosynthesis	0.0000039	0.0000154	0.2568608	0.8000472

Table 2777: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2778: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0266544	0.0549634	0.4849492	0.6332565
L3.Cell.cycle. . . Caulobacter	-0.0000001	0.0000002	-0.5425058	0.5937771

Table 2779: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cell.cycle. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2780: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0195519	0.0540117	0.3619932	0.7213520
L3.Cell.division	-0.0000004	0.0000009	-0.4071377	0.6884571

Table 2781: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0407303	0.0579866	0.7024084	0.4909412
L3.Cell.motility.and.secretion	-0.0000004	0.0000005	-0.7745998	0.4481091

Table 2782: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0055189	0.0521388	-0.1058492	0.9168115
L3.Cellular.antigens	0.0000002	0.0000016	0.1203593	0.9054622

Table 2783: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0324885	0.0306207	1.060997	0.3019926
L3.Chagas.disease..American.trypanosomiasis.	-0.0000505	0.0000310	-1.630757	0.1194071

Table 2784: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.030662	0.0578568	0.5299636	0.602276
L3.Chaperones.and.folding.catalysts	0.000000	0.0000001	-0.5855620	0.565061

Table 2785: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0208658	0.0482069	0.4328381	0.6700058
L3.Chloroalkane.and.chloroalkene.degradation	-0.0000002	0.0000004	-0.5037610	0.6202203

Table 2786: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0047826	0.0385755	0.1239797	0.9026336
L3.Chlorocyclohexane.and.chlorobenzene.degradation	-0.0000007	0.0000041	-0.1619115	0.8730850

Table 2787: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2788: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0282988	0.0543864	0.5203298	0.6088442
L3.Chromosome	0.0000000	0.0000000	-0.5834735	0.5664371

Table 2789: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2790: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0019146	0.0272908	-0.0701551	0.9448033
L3.Circadian.rhythm...plant	0.0000209	0.0001239	0.1683789	0.8680647

Table 2791: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0563148	0.0581569	0.9683243	0.3450480
L3.Citrate.cycle..TCA.cycle.	-0.0000001	0.0000001	-1.0641564	0.3005959

Table 2792: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0017651	0.0253730	0.0695654	0.9452665
L3.Clavulanic.acid.biosynthesis	-0.0185334	0.0581369	-0.3187887	0.7533647

Table 2793: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.Colorectal.cancer	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 2794: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2795: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0409277	0.0493779	0.8288656	0.4174720
L3.Cyanoamino.acid.metabolism	-0.0000002	0.0000002	-0.9515982	0.3532503

Table 2796: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288142	0.0548331	0.5254893	0.6053222
L3.Cysteine.and.methionine.metabolism	0.0000000	0.0000001	-0.5880117	0.5634490

Table 2797: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2798: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2799: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2800: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0226096	0.0491511	0.4600019	0.6507354

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Cytoskeleton.proteins	-0.0000001	0.0000002	-0.5316665	0.6011186

Table 2801: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2802: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0253387	0.0537524	0.4713967	0.6427252
L3.D.Alanine.metabolism	-0.0000004	0.0000007	-0.5304395	0.6019525

Table 2803: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011849	0.0371343	-0.0319095	0.9748771
L3.D.Arginine.and.D.ornithine.metabolism	0.0000004	0.0000085	0.0429087	0.9662220

Table 2804: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0368147	0.0573284	0.6421728	0.5284339
L3.D.Glutamine.and.D.glutamate.metabolism	-0.0000004	0.0000006	-0.7103338	0.4861254

Table 2805: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0290819	0.0551694	0.5271395	0.6041979
L3.DNA.repair.and.recombination.proteins	0.0000000	0.0000000	-0.5889525	0.5628306

Table 2806: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0270618	0.0570007	0.4747638	0.6403668
L3.DNA.replication	-0.0000001	0.0000001	-0.5265382	0.6046074

Table 2807: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0245931	0.0564084	0.4359831	0.6677623
L3.DNA.replication.proteins	0.0000000	0.0000001	-0.4848320	0.6333380

Table 2808: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2809: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239825	0.041313	0.5805080	0.5683940
L3.Dioxin.degradation	-0.0000007	0.000001	-0.7208879	0.4797553

Table 2810: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Drug.metabolism...cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0550015	0.0449991	1.222281	0.2365486
L3.Drug.metabolism...cytochrome.P450	-0.0000047	0.0000033	-1.435142	0.1675044

Table 2811: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Drug.metabolism...other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0126901	0.0588232	0.2157339	0.8314943
L3.Drug.metabolism...other.enzymes	-0.0000001	0.0000003	-0.2378927	0.8145109

Table 2812: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2813: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0190924	0.0384226	0.4969054	0.6249565
L3.Electron.transfer.carriers	-0.0000018	0.0000028	-0.6461289	0.5259240

Table 2814: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2815: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0079765	0.0252019	0.3165025	0.7550721
L3.Endocytosis	-0.0558352	0.0516485	-1.0810617	0.2932010

Table 2816: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0291094	0.0574006	0.5071268	0.6179013
L3.Energy.metabolism	-0.0000001	0.0000001	-0.5614098	0.5810803

Table 2817: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181407	0.0506375	0.3582466	0.7241082
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	-0.0000003	0.0000007	-0.4104736	0.6860504

Table 2818: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2819: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0011648	0.0357671	0.0325669	0.9743597
L3.Ether.lipid.metabolism	-0.0000009	0.0000207	-0.0452400	0.9643881

Table 2820: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0152451	0.0546383	0.2790180	0.7832454
L3.Ethylbenzene.degradation	-0.0000006	0.0000020	-0.3130139	0.7576800

Table 2821: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2822: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0409411	0.0543696	0.7530148	0.4606703
L3.Fatty.acid.biosynthesis	-0.0000001	0.0000002	-0.8424320	0.4100258

Table 2823: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0019046	0.0272498	-0.0698935	0.9450089
L3.Fatty.acid.elongation.in.mitochondria	0.0000209	0.0001237	0.1689635	0.8676112

Table 2824: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0272581	0.0550453	0.4951938	0.6261416
L3.Fatty.acid.metabolism	-0.0000002	0.0000004	-0.5537152	0.5862318

Table 2825: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2826: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0079765	0.0252019	0.3165025	0.7550721
L3.Fc.gamma.R.mediated.phagocytosis	-0.0558352	0.0516485	-1.0810617	0.2932010

Table 2827: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0210453	0.0367384	0.5728421	0.5734690
L3.Flagellar.assembly	-0.0000001	0.0000001	-0.7675281	0.4522011

Table 2828: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0021738	0.0468095	-0.0464389	0.9634451
L3.Flavone.and.flavonol.biosynthesis	0.0000004	0.0000066	0.0547774	0.9568877

Table 2829: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0150968	0.0345399	0.4370830	0.6669785
L3.Flavonoid.biosynthesis	-0.0000125	0.0000201	-0.6221066	0.5412661

Table 2830: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0055815	0.0341089	-0.1636368	0.8717452
L3.Fluorobenzoate.degradation	0.0000106	0.0000445	0.2382464	0.8142406

Table 2831: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2832: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0257006	0.0603710	0.4257110	0.6751018
L3.Folate.biosynthesis	-0.0000001	0.0000002	-0.4664958	0.6461649

Table 2833: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0156123	0.0529144	0.2950490	0.7711563
L3.Fructose.and.mannose.metabolism	0.0000000	0.0000001	-0.3338352	0.7421602

Table 2834: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0380393	0.0529136	0.7188945	0.4809546
L3.Function.unknown	0.0000000	0.0000001	-0.8102600	0.4278232

Table 2835: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020613	0.0278682	0.0739677	0.9418093
L3.G.protein.coupled.receptors	-0.0015460	0.0095188	-0.1624164	0.8726929

Table 2836: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2837: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0367299	0.0541171	0.6787119	0.5055042
L3.Galactose.metabolism	-0.0000001	0.0000001	-0.7608481	0.4560873

Table 2838: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2839: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0268883	0.0555436	0.4840929	0.6338528
L3.General.function.prediction.only	0.0000000	0.0000000	-0.5401470	0.5953710

Table 2840: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0193177	0.0617626	0.3127737	0.7578597
L3.Geraniol.degradation	-0.0000010	0.0000028	-0.3413874	0.7365585

Table 2841: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0110336	0.0386533	0.2854514	0.7783870
L3.Germination	-0.0000004	0.0000012	-0.3714986	0.7143766

Table 2842: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2843: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0305427	0.0552483	0.5528262	0.5868284
L3.Glutamatergic.synapse	-0.0000004	0.0000007	-0.6172977	0.5443661

Table 2844: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0373395	0.0661827	0.5641885	0.5792256
L3.Glutathione.metabolism	-0.0000003	0.0000005	-0.6076901	0.5505881

Table 2845: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2846: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0741023	0.0475140	1.559588	0.135359
L3.Glycan.biosynthesis.and.metabolism	-0.0000047	0.0000026	-1.781887	0.090758

Table 2847: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0337744	0.0473427	0.7134026	0.4842680
L3.Glycerolipid.metabolism	-0.0000001	0.0000002	-0.8323255	0.4155648

Table 2848: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0283676	0.0507825	0.5586106	0.5829517
L3.Glycerophospholipid.metabolism	-0.0000001	0.0000001	-0.6382593	0.5309234

Table 2849: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0193518	0.0577713	0.3349733	0.7413151
L3.Glycine..serine.and.threonine.metabolism	0.0000000	0.0000001	-0.3706777	0.7149780

Table 2850: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycolysis...Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0244782	0.0538374	0.4546688	0.6544995
L3.Glycolysis...Gluconeogenesis	0.0000000	0.0000001	-0.5114713	0.6149140

Table 2851: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0056295	0.0248399	0.2266299	0.823132
L3.Glycosaminoglycan.biosynthesis...chondroitin.sulfate	-0.0042221	0.0042131	-1.0021441	0.328867

Table 2852: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0038520	0.0486420	-0.0791910	0.9377088
L3.Glycosaminoglycan.degradation	0.0000001	0.0000006	0.0920831	0.9275960

Table 2853: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosphingolipid.biosynthesis...ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0082971	0.0443263	-0.1871824	0.8535019
L3.Glycosphingolipid.biosynthesis...ganglio.series	0.0000002	0.0000008	0.2258139	0.8237575

Table 2854: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosphingolipid.biosynthesis...globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0272223	0.0547550	0.4971648	0.6247769
L3.Glycosphingolipid.biosynthesis...globo.series	-0.0000003	0.0000005	-0.5566484	0.5842653

Table 2855: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0059283	0.0262385	-0.2259392	0.8236614
L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series	0.0000294	0.0000457	0.6424423	0.5282628

Table 2856: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2857: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0333383	0.0614335	0.5426740	0.5936635
L3.Glycosyltransferases	-0.0000002	0.0000003	-0.5922356	0.5606753

Table 2858: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0252529	0.0545885	0.4626047	0.6489018
L3.Glyoxylate.and.dicarboxylate.metabolism	-0.0000001	0.0000001	-0.5184962	0.6100982

Table 2859: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0079765	0.0252019	0.3165025	0.7550721
L3.GnRH.signaling.pathway	-0.0558352	0.0516485	-1.0810617	0.2932010

Table 2860: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2861: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2862: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2863: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0305610	0.0559657	0.5460673	0.5913745
L3.Histidine.metabolism	-0.0000001	0.0000001	-0.6078859	0.5504609

Table 2864: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0306350	0.0557483	0.5495243	0.5890471
L3.Homologous.recombination	-0.0000001	0.0000001	-0.6122864	0.5476067

Table 2865: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0403278	0.0501808	0.8036503	0.4315391
L3.Huntington.s.disease	-0.0000023	0.0000025	-0.9184637	0.3698894

Table 2866: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0054986	0.0247753	0.2219395	0.8267290
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0164959	0.0162193	-1.0170548	0.3219043

Table 2867: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2868: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.Influenza.A	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 2869: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0436654	0.0545150	0.8009795	0.4330463
L3.Inorganic.ion.transport.and.metabolism	-0.0000004	0.0000004	-0.8949767	0.3819977

Table 2870: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0232261	0.0568024	0.4088930	0.6871903
L3.Inositol.phosphate.metabolism	-0.0000004	0.0000008	-0.4540442	0.6549409

Table 2871: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0396552	0.0489480	0.8101502	0.4278848
L3.Insulin.signaling.pathway	-0.0000007	0.0000008	-0.9330004	0.3625256

Table 2872: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0253972	0.0589464	0.4308528	0.6714237
L3.Ion.channels	-0.0000028	0.0000059	-0.4744465	0.6405888

Table 2873: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0100585	0.0247402	0.4065637	0.6888715
L3.Isoflavonoid.biosynthesis	-0.0704093	0.0507024	-1.3886794	0.1809959

Table 2874: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0086115	0.0647027	0.1330931	0.8955192
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000002	0.0000016	-0.1441124	0.8869293

Table 2875: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2876: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2877: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0217826	0.0550396	0.3957622	0.6966893
L3.Limonene.and.pinene.degradation	-0.0000005	0.0000011	-0.4428635	0.6628653

Table 2878: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0310344	0.0521527	0.5950690	0.5588187
L3.Linoleic.acid.metabolism	-0.0000006	0.0000009	-0.6743595	0.5082055

Table 2879: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0424259	0.0561532	0.7555386	0.4591907
L3.Lipid.biosynthesis.proteins	-0.0000001	0.0000001	-0.8387163	0.4120567

Table 2880: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0346996	0.0482260	0.7195208	0.4805776
L3.Lipid.metabolism	-0.0000004	0.0000005	-0.8339947	0.4146467

Table 2881: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0166941	0.0527094	0.3167201	0.7549095
L3.Lipoic.acid.metabolism	-0.0000007	0.0000020	-0.3587015	0.7237733

Table 2882: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0341124	0.0576184	0.5920392	0.5608041
L3.Lipopolysaccharide.biosynthesis	-0.0000002	0.0000003	-0.6544288	0.5206795

Table 2883: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0353794	0.0615914	0.5744202	0.5724224
L3.Lipopolysaccharide.biosynthesis.proteins	-0.0000001	0.0000002	-0.6264468	0.5384763

Table 2884: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2885: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2886: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0217279	0.0524340	0.4143853	0.6832328
L3.Lysine.biosynthesis	0.0000000	0.0000001	-0.4696905	0.6439218

Table 2887: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0281130	0.0571916	0.4915589	0.6286618
L3.Lysine.degradation	-0.0000004	0.0000007	-0.5446849	0.5923065

Table 2888: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0025429	0.0531693	0.0478266	0.9623536
L3.Lysosome	0.0000000	0.0000005	-0.0540841	0.9574328

Table 2889: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2890: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0021275	0.0595673	-0.0357158	0.9718815
L3.MAPK.signaling.pathway. . . yeast	0.0000001	0.0000017	0.0392911	0.9690682

Table 2891: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2892: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Meiosis…yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0301076	0.0231654	1.299678	0.2092599
L3.Meiosis…yeast	-0.0000180	0.0000062	-2.890500	0.0093722

Table 2893: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0069414	0.0261708	-0.2652344	0.7936852
L3.Melanogenesis	0.0010718	0.0014330	0.7479518	0.4636472

Table 2894: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0391686	0.0619273	0.6324941	0.5346024
L3.Membrane.and.intracellular.structural.molecules	-0.0000001	0.0000002	-0.6888043	0.4992719

Table 2895: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0318645	0.0480115	0.6636847	0.5148653
L3.Metabolism.of.cofactors.and.vitamins	-0.0000005	0.0000006	-0.7711514	0.4501016

Table 2896: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0548105	0.0445766	1.229580	0.2338640
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	-0.0000047	0.0000033	-1.448434	0.1637984

Table 2897: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0187431	0.0525560	0.3566317	0.7252975
L3.Methane.metabolism	0.0000000	0.0000001	-0.4041334	0.6906274

Table 2898: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0048402	0.0354343	-0.1365976	0.8927859
L3.Mineral.absorption	0.0000029	0.0000151	0.1912734	0.8503406

Table 2899: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0276499	0.0548680	0.5039357	0.6200998
L3.Mismatch.repair	-0.0000001	0.0000001	-0.5639053	0.5794145

Table 2900: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0234822	0.0559840	-0.4194448	0.6795955
L3.N.Glycan.biosynthesis	0.0000015	0.0000032	0.4673317	0.6455777

Table 2901: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0254321	0.0563156	0.4515998	0.6566699
L3.NOD.like.receptor.signaling.pathway	-0.0000009	0.0000018	-0.5023410	0.6211999

Table 2902: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0262019	0.0552340	0.4743802	0.6406352
L3.Naphthalene.degradation	-0.0000003	0.0000006	-0.5300769	0.6021990

Table 2903: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2904: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2905: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0323223	0.0550094	0.5875789	0.5637336
L3.Nicotinate.and.nicotinamide.metabolism	-0.0000001	0.0000002	-0.6565984	0.5193133

Table 2906: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0294612	0.0590739	0.4987171	0.6237032
L3.Nitrogen.metabolism	-0.0000001	0.0000001	-0.5486976	0.5896033

Table 2907: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0167348	0.0409208	0.4089559	0.6871450
L3.Nitrotoluene.degradation	-0.0000003	0.0000005	-0.5124360	0.6142516

Table 2908: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0164345	0.0358585	0.4583165	0.6519239
L3.Non.homologous.end.joining	-0.0000052	0.0000083	-0.6293095	0.5366406

Table 2909: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2910: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0279879	0.0551589	0.5074056	0.6177093
L3.Novobiocin.biosynthesis	-0.0000003	0.0000006	-0.5670237	0.5773364

Table 2911: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0328940	0.0531312	0.6191087	0.5431975
L3.Nucleotide.excision.repair	-0.0000001	0.0000002	-0.6978351	0.4937327

Table 2912: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0309301	0.0431274	0.7171798	0.4819877
L3.Nucleotide.metabolism	-0.0000011	0.0000013	-0.8689060	0.3957423

Table 2913: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2914: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0264441	0.0582505	0.4539711	0.6549926
L3.One.carbon.pool.by.folate	-0.0000001	0.0000001	-0.5011121	0.6220483

Table 2915: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2916: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0239841	0.0596016	0.4024069	0.6918759
L3.Other.glycan.degradation	-0.0000001	0.0000002	-0.4421667	0.6633606

Table 2917: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0331768	0.0588104	0.5641316	0.5792636
L3.Other.ion.coupled.transporters	0.0000000	0.0000001	-0.6209674	0.5419996

Table 2918: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0348388	0.0551889	0.6312647	0.5353887
L3.Other.transporters	-0.0000002	0.0000003	-0.7045555	0.4896338

Table 2919: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2920: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0401841	0.0542982	0.7400630	0.4683086
L3.Others	-0.0000001	0.0000001	-0.8283415	0.4177614

Table 2921: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0324774	0.0544693	0.5962525	0.5580442
L3.Oxidative.phosphorylation	0.0000000	0.0000001	-0.6678829	0.5122403

Table 2922: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0308121	0.0592671	0.5198844	0.6091486
L3.PPAR.signaling.pathway	-0.0000004	0.0000008	-0.5715159	0.5743494

Table 2923: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2924: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2925: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0229842	0.0529553	0.4340296	0.6691555
L3.Pantothenate.and.CoA.biosynthesis	-0.0000001	0.0000001	-0.4905194	0.6293833

Table 2926: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs
L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0059303	0.0248744	0.2384088	0.8141164
L3.Parkinson.s.disease	-0.0000049	0.0000048	-1.0158786	0.3224497

Table 2927: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2928: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0383012	0.0517547	0.7400519	0.4683152
L3.Pathways.in.cancer	-0.0000013	0.0000015	-0.8389709	0.4119173

Table 2929: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0229990	0.0525911	0.4373181	0.6668110
L3.Penicillin.and.cephalosporin.biosynthesis	-0.0000013	0.0000026	-0.4951743	0.6261551

Table 2930: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0218144	0.0559340	0.3900034	0.7008716
L3.Pentose.and.glucuronate.interconversions	-0.0000001	0.0000001	-0.4347036	0.6686747

Table 2931: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0204144	0.0534551	0.3818989	0.7067741
L3.Pentose.phosphate.pathway	0.0000000	0.0000001	-0.4306622	0.6715599

Table 2932: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0289553	0.0558518	0.5184300	0.6101435
L3.Peptidases	0.0000000	0.0000000	-0.5775311	0.5703621

Table 2933: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0277186	0.0536135	0.5170080	0.6111168
L3.Peptidoglycan.biosynthesis	-0.0000001	0.0000001	-0.5819349	0.5674520

Table 2934: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0314745	0.0603265	0.5217354	0.6078837
L3.Peroxisome	-0.0000003	0.0000005	-0.5714805	0.5743729

Table 2935: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0312068	0.0567804	-0.5496059	0.5889923
L3.Pertussis	0.0000017	0.0000028	0.6097423	0.5492558

Table 2936: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2937: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0431693	0.0564587	0.7646171	0.4538921
L3.Phenylalanine.metabolism	-0.0000004	0.0000004	-0.8476578	0.4071803

Table 2938: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0267809	0.0524168	0.5109222	0.6152911
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000000	0.0000001	-0.5786788	0.5696029

Table 2939: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0402836	0.0448757	0.8976716	0.3805952
L3.Phenylpropanoid.biosynthesis	-0.0000003	0.0000003	-1.0644884	0.3004493

Table 2940: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0425537	0.0586916	0.7250400	0.4772627
L3.Phosphatidylinositol.signaling.system	-0.0000007	0.0000009	-0.7973499	0.4350998

Table 2941: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0519808	0.0524779	0.9905271	0.3343643
L3.Phosphonate.and.phosphinate.metabolism	-0.0000012	0.0000011	-1.1144972	0.2789657

Table 2942: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0070101	0.0394604	0.1776495	0.8608785
L3.Phosphotransferase.system..PTS.	0.0000000	0.0000001	-0.2283539	0.8218108

Table 2943: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0214538	0.0480504	0.4464851	0.6602940
L3.Photosynthesis	-0.0000001	0.0000002	-0.5201653	0.6089567

Table 2944: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Photosynthesis. . . antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0051334	0.0261132	0.1965841	0.8462405
L3.Photosynthesis. . . antenna.proteins	-0.0000733	0.0001249	-0.5870459	0.5640843

Table 2945: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0218727	0.0480154	0.4555358	0.6538869
L3.Photosynthesis.proteins	-0.0000001	0.0000002	-0.5307928	0.6017123

Table 2946: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2947: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Phototransduction...fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2948: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288194	0.0493599	0.5838637	0.5661798
L3.Plant.pathogen.interaction	-0.0000003	0.0000004	-0.6728939	0.5091170

Table 2949: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0275476	0.0533267	0.5165808	0.6114094
L3.Polycyclic.aromatic.hydrocarbon.degradation	-0.0000004	0.0000007	-0.5822912	0.5672169

Table 2950: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0262902	0.0590713	0.4450592	0.6613059
L3.Polyketide.sugar.unit.biosynthesis	-0.0000002	0.0000004	-0.4898305	0.6298618

Table 2951: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0316294	0.0658232	0.4805211	0.6363432
L3.Pores.ion.channels	-0.0000001	0.0000003	-0.5182458	0.6102695

Table 2952: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0123417	0.0519795	0.2374336	0.8148619
L3.Porphyrin.and.chlorophyll.metabolism	0.0000000	0.0000001	-0.2701024	0.7899935

Table 2953: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0328782	5.82e-02	0.5649181	0.5787392
L3.Prenyltransferases	-0.0000002	3.00e-07	-0.6232155	0.5405525

Table 2954: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0273684	0.0486946	0.5620418	0.5806582
L3.Primary.bile.acid.biosynthesis	-0.0000010	0.0000015	-0.6508552	0.5229339

Table 2955: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0233117	0.0537302	0.4338651	0.6692728
L3.Primary.immunodeficiency	-0.0000008	0.0000015	-0.4884056	0.6308518

Table 2956: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0151310	0.0383478	0.3945728	0.6975523
L3.Prion.diseases	-0.0000039	0.0000076	-0.5151745	0.6123730

Table 2957: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0282720	0.0536920	0.5265592	0.6045931
L3.Progesterone.mediated.oocyte.maturation	-0.0000011	0.0000018	-0.5924044	0.5605646

Table 2958: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0295359	0.0545225	0.5417192	0.5943083
L3.Propanoate.metabolism	-0.0000001	0.0000002	-0.6069570	0.5510644

Table 2959: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0439453	0.0538400	0.8162209	0.4244894
L3.Prostate.cancer	-0.0000016	0.0000017	-0.9146689	0.3718281

Table 2960: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0344185	0.0526995	0.6531093	0.5215113
L3.Proteasome	-0.0000013	0.0000017	-0.7375058	0.4698257

Table 2961: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0146821	0.0464833	-0.3158584	0.7555533
L3.Protein.digestion.and.absorption	0.0000008	0.0000023	0.3730754	0.7132221

Table 2962: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0343436	0.0554726	0.6191089	0.5431974
L3.Protein.export	-0.0000001	0.0000001	-0.6902103	0.4984071

Table 2963: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0269538	0.0563680	0.4781757	0.6379810
L3.Protein.folding.and.associated.processing	-0.0000001	0.0000001	-0.5316865	0.6011051

Table 2964: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0195465	0.0486957	0.4014010	0.6926037
L3.Protein.kinases	-0.0000001	0.0000002	-0.4656814	0.6467373

Table 2965: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0122438	0.0630258	0.1942670	0.8480288
L3.Protein.processing.in.endoplasmic.reticulum	-0.0000003	0.0000014	-0.2113117	0.8348941

Table 2966: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0461036	0.0434919	1.060049	0.3024127
L3.Proximal.tubule.bicarbonate.reclamation	-0.0000033	0.0000026	-1.267430	0.2203159

Table 2967: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0263662	0.0560435	0.4704604	0.6433817
L3.Purine.metabolism	0.0000000	0.0000000	-0.5238543	0.6064372

Table 2968: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0266283	0.056227	0.4735858	0.6411914
L3.Pyrimidine.metabolism	0.0000000	0.000000	-0.5269122	0.6043527

Table 2969: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0252703	0.0545920	0.4628940	0.6486982
L3.Pyruvate.metabolism	0.0000000	0.0000001	-0.5188107	0.6098830

Table 2970: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0084103	0.0321073	-0.2619445	0.7961831
L3.RIG.I.like.receptor.signaling.pathway	0.0000063	0.0000153	0.4104395	0.6860750

Table 2971: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0279392	0.0576973	0.4842373	0.6337523
L3.RNA.degradation	-0.0000001	0.0000002	-0.5355390	0.5984907

Table 2972: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0215950	0.0552667	0.3907418	0.7003348
L3.RNA.polymerase	-0.0000002	0.0000005	-0.4368094	0.6671734

Table 2973: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0204755	0.0480597	0.4260427	0.6748643
L3.RNA.transport	-0.0000002	0.0000005	-0.4964260	0.6252883

Table 2974: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2975: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0523634	0.0392985	1.332454	0.1984723
L3.Renal.cell.carcinoma	-0.0000143	0.0000086	-1.651478	0.1150727

Table 2976: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0079819	0.0251687	0.3171359	0.7545989
L3.Renin.angiotensin.system	-0.0111746	0.0102345	-1.0918568	0.2885484

Table 2977: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0217369	0.0512486	0.4241469	0.6762223
L3.Replication..recombination.and.repair.proteins	0.0000000	0.0000001	-0.4839386	0.6339603

Table 2978: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0246067	0.0585464	0.4202949	0.6789851
L3.Restriction.enzyme	-0.0000002	0.0000005	-0.4635232	0.6482553

Table 2979: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0706567	0.0450550	1.568232	0.1333310
L3.Retinol.metabolism	-0.0000048	0.0000026	-1.821222	0.0843583

Table 2980: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2981: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0212923	0.0592206	0.3595421	0.7231547
L3.Riboflavin.metabolism	-0.0000001	0.0000004	-0.3956812	0.6967480

Table 2982: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0308554	0.0544135	0.5670540	0.5773162
L3.Ribosome	0.0000000	0.0000000	-0.6355192	0.5326702

Table 2983: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.030382	0.0527251	0.5762344	0.5712204
L3.Ribosome.Biogenesis	0.000000	0.0000001	-0.6511625	0.5227398

Table 2984: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0414299	0.0521544	0.7943702	0.4367902
L3.Ribosome.biogenesis.in.eukaryotes	-0.0000014	0.0000016	-0.8979461	0.3804525

Table 2985: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2986: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0292073	0.0490887	0.5949911	0.5588697
L3.Secondary.bile.acid.biosynthesis	-0.0000011	0.0000016	-0.6868568	0.5004711

Table 2987: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0359388	0.0486134	0.7392771	0.4687746
L3.Secretion.system	-0.0000001	0.0000001	-0.8543173	0.4035727

Table 2988: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0217628	0.0543860	0.4001545	0.6935060
L3.Selenocompound.metabolism	-0.0000001	0.0000002	-0.4491332	0.6584166

Table 2989: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2990: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0116544	0.0259128	-0.4497536	0.6579771
L3.Shigellosis	0.0061185	0.0051776	1.1817270	0.2518940

Table 2991: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0197048	0.0500706	0.3935397	0.6983022
L3.Signal.transduction.mechanisms	-0.0000001	0.0000001	-0.4523894	0.6561112

Table 2992: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.Small.cell.lung.cancer	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 2993: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0396416	0.0562822	0.7043360	0.4897673
L3.Sphingolipid.metabolism	-0.0000002	0.0000003	-0.7818856	0.4439170

Table 2994: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 2995: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0128797	0.0410166	0.3140121	0.7569335
L3.Sporulation	0.0000000	0.0000001	-0.3935725	0.6982784

Table 2996: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0135693	0.0364687	0.3720815	0.7139497
L3.Staphylococcus.aureus.infection	-0.0000040	0.0000079	-0.5050963	0.6192998

Table 2997: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0336083	0.0505953	0.6642577	0.5145066
L3.Starch.and.sucrose.metabolism	0.0000000	0.0000001	-0.7588242	0.4572688

Table 2998: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0016966	0.0273967	-0.0619279	0.9512671
L3.Steroid.biosynthesis	0.0000060	0.0000411	0.1461000	0.8853814

Table 2999: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0001786	0.0396671	0.0045018	0.9964550
L3.Steroid.hormone.biosynthesis	0.0000000	0.0000020	-0.0057722	0.9954546

Table 3000: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0039855	0.0302638	0.1316912	0.8966131
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	-0.0000136	0.0000591	-0.2296457	0.8208212

Table 3001: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0317034	0.0576975	0.5494766	0.5890793
L3.Streptomycin.biosynthesis	-0.0000001	0.0000002	-0.6074021	0.5507751

Table 3002: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0017350	0.0395691	0.0438486	0.9654826
L3.Styrene.degradation	-0.0000001	0.0000025	-0.0563101	0.9556827

Table 3003: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0322154	0.0571005	0.5641872	0.5792265
L3.Sulfur.metabolism	-0.0000002	0.0000003	-0.6250437	0.5393774

Table 3004: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0298030	0.0492555	0.6050688	0.5522922
L3.Sulfur.relay.system	-0.0000002	0.0000003	-0.6976183	0.4938652

Table 3005: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0030141	0.0459890	0.0655400	0.9484288
L3.Synthesis.and.degradation.of.ketone.bodies	-0.0000002	0.0000025	-0.0778561	0.9387566

Table 3006: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010598	0.028425	0.0372830	0.9706483
L3.Systemic.lupus.erythematosus	-0.0000094	0.000123	-0.0765308	0.9397970

Table 3007: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3008: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0271187	0.0618301	0.4386012	0.6658972
L3.Taurine.and.hypotaurine.metabolism	-0.0000004	0.0000008	-0.4783598	0.6378523

Table 3009: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0229981	0.0566729	0.4058053	0.6894193
L3.Terpenoid.backbone.biosynthesis	-0.0000001	0.0000001	-0.4508639	0.6571908

Table 3010: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0279887	0.0490912	0.5701361	0.5752660
L3.Tetracycline.biosynthesis	-0.0000003	0.0000005	-0.6583687	0.5182001

Table 3011: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0220082	0.0545491	0.4034574	0.6911161
L3.Thiamine.metabolism	-0.0000001	0.0000002	-0.4524804	0.6560468

Table 3012: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3013: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0586709	0.0394694	1.486493	0.1535550
L3.Toluene.degradation	-0.0000008	0.0000004	-1.825138	0.0837433

Table 3014: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.Toxoplasmosis	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 3015: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0179211	0.0474769	0.3774700	0.7100078
L3.Transcription.factors	0.0000000	0.0000000	-0.4420028	0.6634771

Table 3016: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0275222	0.0570153	0.4827156	0.6348126
L3.Transcription.machinery	0.0000000	0.0000001	-0.5352959	0.5986555

Table 3017: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0449636	0.0263748	1.704795	0.1045303
L3.Transcription.related.proteins	-0.0000215	0.0000077	-2.794929	0.0115505

Table 3018: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0297426	0.0559852	0.5312589	0.6013956
L3.Translation.factors	-0.0000001	0.0000002	-0.5914239	0.5612078

Table 3019: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0312373	0.0543665	0.5745681	0.5723244
L3.Translation.proteins	-0.0000001	0.0000001	-0.6440367	0.5272506

Table 3020: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0177723	0.046144	0.3851494	0.7044045
L3.Transporters	0.0000000	0.000000	-0.4559217	0.6536143

Table 3021: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0267670	0.0573451	0.4667704	0.6459720
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000004	0.0000007	-0.5169919	0.6111279

Table 3022: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0257511	0.0525274	0.4902421	0.6295759
L3.Tryptophan.metabolism	-0.0000003	0.0000006	-0.5550344	0.5853470

Table 3023: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0334698	0.0536643	0.6236876	0.5402489
L3.Tuberculosis	-0.0000004	0.0000005	-0.7011023	0.4917375

Table 3024: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0308398	0.0490859	0.6282816	0.5372993
L3.Two.component.system	0.0000000	0.0000000	-0.7249687	0.4773055

Table 3025: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0406177	0.0563189	0.7212098	0.4795618
L3.Type.I.diabetes.mellitus	-0.0000012	0.0000015	-0.8003579	0.4333976

Table 3026: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0281564	0.0556441	0.5060081	0.6186716
L3.Type.II.diabetes.mellitus	-0.0000010	0.0000017	-0.5642555	0.5791810

Table 3027: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0268525	0.0547082	0.4908317	0.6291665
L3.Tyrosine.metabolism	-0.0000001	0.0000002	-0.5497047	0.5889258

Table 3028: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0294090	0.0652090	0.4509961	0.6570972
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	-0.0000003	0.0000006	-0.4872216	0.6316751

Table 3029: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0217259	0.0451798	-0.4808771	0.6360948
L3.Ubiquitin.system	0.0000039	0.0000067	0.5734676	0.5730541

Table 3030: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3031: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0248656	0.0506836	0.4906040	0.6293246
L3.Valine..leucine.and.isoleucine.biosynthesis	-0.0000001	0.0000001	-0.5613029	0.5811517

Table 3032: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0198237	0.0643363	0.3081271	0.7613381
L3.Valine..leucine.and.isoleucine.degradation	-0.0000002	0.0000004	-0.3338289	0.7421649

Table 3033: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0139144	0.0266788	0.5215527	0.6080085
L3.Various.types.of.N.glycan.biosynthesis	-0.0010863	0.0009164	-1.1853685	0.2504861

Table 3034: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3035: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0047501	0.0260816	0.1821243	0.8574143
L3.Vasopressin.regulated.water.reabsorption	-0.0199504	0.0360369	-0.5536098	0.5863025

Table 3036: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0006072	0.0259963	0.0233562	0.9816097
L3.Vibrio.cholerae.infection	-0.0012751	0.0162115	-0.0786516	0.9381321

Table 3037: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0134099	0.0543510	0.2467270	0.8077657
L3.Vibrio.cholerae.pathogenic.cycle	-0.0000003	0.0000011	-0.2772087	0.7846134

Table 3038: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.Viral.myocarditis	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 3039: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0366092	0.0574294	0.6374641	0.5314300
L3.Vitamin.B6.metabolism	-0.0000003	0.0000004	-0.7048794	0.4894367

Table 3040: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3041: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0195447	0.0403371	0.4845350	0.6335449
L3.Xylene.degradation	-0.0000006	0.0000010	-0.6112046	0.5483076

Table 3042: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0276968	0.0606881	0.4563803	0.6532904
L3.Zeatin.biosynthesis	-0.0000008	0.0000016	-0.4994990	0.6231627

Table 3043: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0121460	0.0353034	0.3440453	0.7345906
L3.alpha.Linolenic.acid.metabolism	-0.0000097	0.0000202	-0.4811141	0.6359294

Table 3044: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0181518	0.0553518	0.3279359	0.7465463
L3.beta.Alanine.metabolism	-0.0000002	0.0000004	-0.3665926	0.7179736

Table 3045: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0012492	0.0458137	0.0272675	0.9785307
L3.beta.Lactam.resistance	-0.0000001	0.0000019	-0.0324445	0.9744560

Table 3046: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3047: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.024199	0	1

Table 3048: diversity_vs_picrust_L3_yr1: wunifrac.PC.3 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053249	0.0248264	0.2144839	0.8324549
L3.p53.signaling.pathway	-0.0000189	0.0000193	-0.9793969	0.3396909

Table 3049: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029484	0.0242877	-0.1213929	0.9046545
L3.1.1.1.Trichloro.2.2.bis.4.chlorophenyl.ethane..DDT..degradation	0.0000043	0.0000175	0.2444116	0.8095320

Table 3050: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.ABC.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0179929	0.0387851	-0.4639142	0.6479802
L3.ABC.transporters	0.0000000	0.0000000	0.5512141	0.5879112

Table 3051: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Adherens.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3052: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Adipocytokine.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0273377	0.0468677	0.5832942	0.5665553
L3.Adipocytokine.signaling.pathway	-0.0000006	0.0000009	-0.6515338	0.5225054

Table 3053: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.African.trypanosomiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0340550	0.0262324	-1.298203	0.2097557
L3.African.trypanosomiasis	0.0000457	0.0000238	1.919484	0.0700679

Table 3054: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Alanine..aspartate.and.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0079288	0.0491636	0.1612735	0.8735805
L3.Alanine..aspartate.and.glutamate.metabolism	0.0000000	0.0000001	-0.1785458	0.8601844

Table 3055: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Aldosterone.regulated.sodium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3056: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Alzheimer.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0176165	0.0413534	0.4259992	0.6748954
L3.Alzheimer.s.disease	-0.0000006	0.0000012	-0.4943328	0.6267381

Table 3057: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Amino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0213879	0.0427242	-0.5006042	0.6223991
L3.Amino.acid.metabolism	0.0000001	0.0000003	0.5742492	0.5725357

Table 3058: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Amino.acid.related.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0013025	0.0469793	0.0277240	0.9781714
L3.Amino.acid.related.enzymes	0.0000000	0.0000000	-0.0310345	0.9755657

Table 3059: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Amino.sugar.and.nucleotide.sugar.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.013221	0.0478887	-0.2760778	0.7854689
L3.Amino.sugar.and.nucleotide.sugar.metabolism	0.000000	0.0000000	0.3074019	0.7618815

Table 3060: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Aminoacyl.tRNA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0031971	0.0438498	-0.0729099	0.9426399
L3.Aminoacyl.tRNA.biosynthesis	0.0000000	0.0000001	0.0831831	0.9345761

Table 3061: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Aminobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0130061	0.0487655	0.2667076	0.7925675
L3.Aminobenzoate.degradation	-0.0000002	0.0000006	-0.2957203	0.7706513

Table 3062: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Amoebiasis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0455281	0.0289851	-1.570743	0.1327468
L3.Amoebiasis	0.0000059	0.0000028	2.083941	0.0509056

Table 3063: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Amyotrophic.lateral.sclerosis..ALS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0436265	0.0333155	-1.309498	0.2059804
L3.Amyotrophic.lateral.sclerosis..ALS.	0.0000048	0.0000029	1.627357	0.1201313

Table 3064: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Antigen.processing.and.presentation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0077687	0.0460355	0.1687533	0.8677742
L3.Antigen.processing.and.presentation	-0.0000003	0.0000016	-0.1898556	0.8514359

Table 3065: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Apoptosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0170099	0.0221764	0.7670265	0.4524922
L3.Apoptosis	-0.0000243	0.0000145	-1.6736369	0.1105860

Table 3066: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Arachidonic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0398209	0.0515642	0.7722579	0.4494617
L3.Arachidonic.acid.metabolism	-0.0000036	0.0000043	-0.8434083	0.4094932

Table 3067: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Arginine.and.proline.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0053439	0.0471261	0.1133960	0.9109062
L3.Arginine.and.proline.metabolism	0.0000000	0.0000001	-0.1268241	0.9004121

Table 3068: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARVC.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3069: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ascorbate.and.aldarate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0560639	0.0404951	-1.384462	0.1822626
L3.Ascorbate.and.aldarate.metabolism	0.0000008	0.0000005	1.588068	0.1287732

Table 3070: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Atrazine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0152235	0.0311197	-0.489191	0.6303060
L3.Atrazine.degradation	0.0000012	0.0000018	0.659622	0.5174128

Table 3071: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bacterial.chemotaxis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0080624	0.0355406	-0.2268515	0.8229621
L3.Bacterial.chemotaxis	0.0000000	0.0000001	0.2816872	0.7812285

Table 3072: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bacterial.invasion.of.epithelial.cells

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0309684	0.0252211	-1.227876	0.2344884
L3.Bacterial.invasion.of.epithelial.cells	0.0000860	0.0000450	1.912223	0.0710455

Table 3073: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bacterial.motility.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.00345	0.0338616	-0.1018847	0.9199158
L3.Bacterial.motility.proteins	0.00000	0.0000001	0.1302823	0.8977125

Table 3074: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bacterial.secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0088674	0.0477725	0.1856167	0.8547126
L3.Bacterial.secretion.system	0.0000000	0.0000001	-0.2068656	0.8383157

Table 3075: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bacterial.toxins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0112027	0.0480106	-0.2333378	0.8179946
L3.Bacterial.toxins	0.0000001	0.0000006	0.2596987	0.7978894

Table 3076: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Basal.transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0077803	0.0231222	0.3364842	0.7401937
L3.Basal.transcription.factors	-0.0000280	0.0000363	-0.7691364	0.4512684

Table 3077: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Base.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0083687	0.0455588	-0.1836896	0.8562032
L3.Base.excision.repair	0.0000000	0.0000001	0.2072294	0.8380356

Table 3078: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Benzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0318437	0.0426912	0.7459079	0.4648522
L3.Benzoate.degradation	-0.0000003	0.0000003	-0.8531292	0.4042148

Table 3079: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Betalain.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125322	0.0210751	-0.5946473	0.5590948
L3.Betalain.biosynthesis	0.0019351	0.0011540	1.6768849	0.1099410

Table 3080: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bile.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0015252	0.0215752	-0.0706934	0.9443805
L3.Bile.secretion	0.0320297	0.0988700	0.3239580	0.7495088

Table 3081: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.and.biodegradation.of.secondary.metabolites

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0031201	0.0469756	0.0664194	0.9477379
L3.Biosynthesis.and.biodegradation.of.secondary.metabolites	-0.0000001	0.0000010	-0.0743498	0.9415093

Table 3082: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.12. . .14..and.16.membered.macrolides

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

508

Table 3083: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.ansamycins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125991	0.0426066	-0.2957083	0.7706604
L3.Biosynthesis.of.ansamycins	0.0000002	0.0000005	0.3401136	0.7375023

Table 3084: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0315625	0.0544364	-0.5798051	0.5688584
L3.Biosynthesis.of.siderophore.group.nonribosomal.peptides	0.0000027	0.0000044	0.6279168	0.5375332

Table 3085: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.type.II.polyketide.backbone

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3086: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.type.II.polyketide.products

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127946	0.0214326	-0.5969683	0.5575760
L3.Biosynthesis.of.type.II.polyketide.products	0.0017794	0.0011251	1.5815756	0.1302504

Table 3087: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.unsaturated.fatty.acids

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0145822	0.0433027	-0.3367499	0.7399965
L3.Biosynthesis.of.unsaturated.fatty.acids	0.0000002	0.0000006	0.3852376	0.7043402

Table 3088: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biosynthesis.of.vancomycin.group.antibiotics

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0143953	0.0527786	-0.2727493	0.7879883
L3.Biosynthesis.of.vancomycin.group.antibiotics	0.0000003	0.0000011	0.2974676	0.7693375

Table 3089: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Biotin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0393114	0.0453744	-0.866379	0.3970915
L3.Biotin.metabolism	0.0000004	0.0000004	0.972448	0.3430461

Table 3090: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bisphenol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0068643	0.0449828	-0.1525974	0.8803246
L3.Bisphenol.degradation	0.0000001	0.0000007	0.1727778	0.8646533

Table 3091: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Bladder.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0286200	0.0243613	-1.174812	0.2545840
L3.Bladder.cancer	0.0001755	0.0000911	1.927014	0.0690667

Table 3092: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Butanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0241998	0.0452070	0.5353113	0.598645
L3.Butanoate.metabolism	-0.0000001	0.0000001	-0.6038093	0.553112

Table 3093: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Butirosin.and.neomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029263	0.0430393	-0.0679922	0.9465022
L3.Butirosin.and.neomycin.biosynthesis	0.0000001	0.0000008	0.0780218	0.9386266

Table 3094: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.C5.Branched.dibasic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0138670	0.0423172	-0.3276905	0.7467290
L3.C5.Branched.dibasic.acid.metabolism	0.0000001	0.0000002	0.3776489	0.7098771

Table 3095: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.CAM.ligands

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3096: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Caffeine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016787	0.0231841	0.0724088	0.9430334
L3.Caffeine.metabolism	-0.0000184	0.0001053	-0.1745993	0.8632416

Table 3097: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Calcium.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0072176	0.0218347	0.3305555	0.7445976
L3.Calcium.signaling.pathway	-0.0017624	0.0017766	-0.9920239	0.3336524

Table 3098: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Caprolactam.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0530768	0.0344350	-1.541363	0.1397191
L3.Caprolactam.degradation	0.0000077	0.0000041	1.866037	0.0775508

Table 3099: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Carbohydrate.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0526493	0.0349730	-1.505429	0.1486579
L3.Carbohydrate.digestion.and.absorption	0.0000063	0.0000035	1.813236	0.0856247

Table 3100: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Carbohydrate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0205602	0.0448554	-0.4583665	0.6518886
L3.Carbohydrate.metabolism	0.0000002	0.0000003	0.5184879	0.6101038

Table 3101: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Carbon.fixation.in.photosynthetic.organisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0020389	0.0476489	-0.0427890	0.9663162
L3.Carbon.fixation.in.photosynthetic.organisms	0.0000000	0.0000001	0.0477298	0.9624297

Table 3102: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Carbon.fixation.pathways.in.prokaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0114761	0.0498839	0.2300563	0.8205067
L3.Carbon.fixation.pathways.in.prokaryotes	0.0000000	0.0000001	-0.2538279	0.8023550

Table 3103: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cardiac.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0046934	0.0212737	0.2206217	0.8277404
L3.Cardiac.muscle.contraction	-0.0000051	0.0000055	-0.9222539	0.3679598

Table 3104: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Carotenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0166787	0.0294639	-0.5660731	0.5779695
L3.Carotenoid.biosynthesis	0.0000103	0.0000129	0.7980275	0.4347160

Table 3105: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cell.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3106: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cell.cycle. . . Caulobacter

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0024235	0.0470971	-0.0514575	0.9594981
L3.Cell.cycle. . . Caulobacter	0.0000000	0.0000001	0.0575648	0.9546964

Table 3107: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cell.cycle...yeast

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3108: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cell.division

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0255092	0.0456592	-0.5586868	0.5829007
L3.Cell.division	0.0000005	0.0000008	0.6283612	0.5372483

Table 3109: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cell.motility.and.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0342537	0.0493287	-0.6943972	0.4958371
L3.Cell.motility.and.secretion	0.0000003	0.0000004	0.7657652	0.4532247

Table 3110: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cellular.antigens

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0435470	0.0428761	1.015647	0.3225573
L3.Cellular.antigens	-0.0000015	0.0000013	-1.154874	0.2624605

Table 3111: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Chagas.disease..American.trypanosomiasis.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0307783	0.0255967	-1.202436	0.2439661
L3.Chagas.disease..American.trypanosomiasis.	0.0000478	0.0000259	1.848150	0.0802078

Table 3112: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Chaperones.and.folding.catalysts

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0052264	0.0496254	0.1053173	0.9172279
L3.Chaperones.and.folding.catalysts	0.0000000	0.0000001	-0.1163661	0.9085835

Table 3113: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Chloroalkane.and.chloroalkene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0199825	0.0409214	-0.4883148	0.6309150
L3.Chloroalkane.and.chloroalkene.degradation	0.0000002	0.0000003	0.5683278	0.5764684

Table 3114: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Chlorocyclohexane.and.chlorobenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0409331	0.0304502	-1.344263	0.1946950
L3.Chlorocyclohexane.and.chlorobenzene.degradation	0.0000057	0.0000032	1.755543	0.0952763

Table 3115: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Cholinergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3116: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Chromosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016136	0.0466605	0.0345813	0.9727743
L3.Chromosome	0.0000000	0.0000000	-0.0387779	0.9694721

Table 3117: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Chronic.myeloid.leukemia

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3118: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Circadian.rhythm...plant

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0017137	0.0232061	0.0738473	0.9419038
L3.Circadian.rhythm...plant	-0.0000187	0.0001054	-0.1772405	0.8611953

Table 3119: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Citrate.cycle..TCA.cycle.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0052088	0.0508919	0.1023506	0.9195509
L3.Citrate.cycle..TCA.cycle.	0.0000000	0.0000001	-0.1124799	0.9116228

Table 3120: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Clavulanic.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0029974	0.0214040	0.1400394	0.8901028
L3.Clavulanic.acid.biosynthesis	-0.0314727	0.0490427	-0.6417411	0.5287082

Table 3121: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Colorectal.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.Colorectal.cancer	-0.0000154	0.0000165	-0.9370923	0.3604708

Table 3122: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Complement.and.coagulation.cascades

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3123: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cyanoamino.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0251494	0.0424662	-0.5922219	0.5606843
L3.Cyanoamino.acid.metabolism	0.0000001	0.0000002	0.6799140	0.5047595

Table 3124: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cysteine.and.methionine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0054016	0.0470317	-0.1148499	0.9097691
L3.Cysteine.and.methionine.metabolism	0.0000000	0.0000001	0.1285147	0.8990923

Table 3125: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3126: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cytokine.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3127: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cytokine.cytokine.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3128: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cytoskeleton.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0113066	0.0420007	0.2692013	0.7906765
L3.Cytoskeleton.proteins	0.0000000	0.0000001	-0.3111407	0.7590816

Table 3129: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Cytosolic.DNA.sensing.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3130: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.D.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0191336	0.0457823	0.4179254	0.6806870
L3.D.Alanine.metabolism	-0.0000003	0.0000006	-0.4702708	0.6435147

Table 3131: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.D.Arginine.and.D.ornithine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0520046	0.0272017	-1.911816	0.0711006

	Estimate	Std. Error	t value	Pr(>|t|)
L3.D.Arginine.and.D.ornithine.metabolism	0.0000159	0.0000062	2.570824	0.0187128

Table 3132: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.D.Glutamine.and.D.glutamate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0109458	0.0493167	0.2219495	0.8267214
L3.D.Glutamine.and.D.glutamate.metabolism	-0.0000001	0.0000005	-0.2455075	0.8086959

Table 3133: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.DNA.repair.and.recombination.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.001447	0.0473406	0.0305650	0.9759353
L3.DNA.repair.and.recombination.proteins	0.000000	0.0000000	-0.0341491	0.9731145

Table 3134: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.DNA.replication

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.004009	0.0488148	0.0821259	0.9354056
L3.DNA.replication	0.000000	0.0000001	-0.0910820	0.9283808

Table 3135: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.DNA.replication.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0101261	0.0481960	0.2101027	0.8358241
L3.DNA.replication.proteins	0.0000000	0.0000001	-0.2336433	0.8177608

Table 3136: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Dilated.cardiomyopathy..DCM.

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3137: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Dioxin.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0027666	0.0356009	0.0777115	0.9388701
L3.Dioxin.degradation	-0.0000001	0.0000009	-0.0965039	0.9241311

Table 3138: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Drug.metabolism. . . cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0139539	0.0401120	0.3478724	0.7317603
L3.Drug.metabolism. . . cytochrome.P450	-0.0000012	0.0000029	-0.4084547	0.6875066

Table 3139: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Drug.metabolism. . . other.enzymes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0155254	0.0499432	0.3108609	0.7592910
L3.Drug.metabolism. . . other.enzymes	-0.0000001	0.0000002	-0.3427906	0.7355193

Table 3140: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.ECM.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3141: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Electron.transfer.carriers

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0332035	0.0315114	-1.053697	0.3052377
L3.Electron.transfer.carriers	0.0000031	0.0000023	1.370129	0.1866205

Table 3142: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Endocrine.and.other.factor.regulated.calcium.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3143: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Endocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0039830	0.0218591	0.1822142	0.8573447
L3.Endocytosis	-0.0278813	0.0447979	-0.6223800	0.5410901

Table 3144: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Energy.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.012451	0.0491147	0.2535084	0.8025983
L3.Energy.metabolism	0.000000	0.0000001	-0.2806440	0.7820166

Table 3145: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0112819	0.0431506	-0.2614535	0.796556
L3.Epithelial.cell.signaling.in.Helicobacter.pylori.infection	0.0000002	0.0000006	0.2995696	0.767758

Table 3146: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.ErbB.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3147: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ether.lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0491220	0.0260801	-1.883506	0.0750311
L3.Ether.lipid.metabolism	0.0000395	0.0000151	2.616457	0.0169778

Table 3148: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ethylbenzene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0537880	0.0444793	1.209283	0.2413872
L3.Ethylbenzene.degradation	-0.0000022	0.0000016	-1.356624	0.1908024

Table 3149: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fat.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3150: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fatty.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0108207	0.0470092	0.2301832	0.8204095
L3.Fatty.acid.biosynthesis	0.0000000	0.0000001	-0.2575165	0.7995485

Table 3151: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fatty.acid.elongation.in.mitochondria

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016686	0.0231720	0.0720083	0.9433479
L3.Fatty.acid.elongation.in.mitochondria	-0.0000183	0.0001052	-0.1740760	0.8636471

Table 3152: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fatty.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0186882	0.0469422	0.3981101	0.6949869
L3.Fatty.acid.metabolism	-0.0000001	0.0000003	-0.4451583	0.6612356

Table 3153: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fc.epsilon.RI.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3154: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fc.gamma.R.mediated.phagocytosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0039830	0.0218591	0.1822142	0.8573447
L3.Fc.gamma.R.mediated.phagocytosis	-0.0278813	0.0447979	-0.6223800	0.5410901

Table 3155: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Flagellar.assembly

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029322	0.0317100	-0.0924705	0.9272923
L3.Flagellar.assembly	0.0000000	0.0000001	0.1238975	0.9026978

Table 3156: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Flavone.and.flavonol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041674	0.0397937	-0.1047252	0.9176915
L3.Flavone.and.flavonol.biosynthesis	0.0000007	0.0000056	0.1235295	0.9029852

Table 3157: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Flavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0095574	0.0295056	-0.3239179	0.7495387
L3.Flavonoid.biosynthesis	0.0000079	0.0000172	0.4610371	0.6500059

Table 3158: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fluorobenzoate.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0282190	0.0274776	-1.026980	0.3173277
L3.Fluorobenzoate.degradation	0.0000536	0.0000358	1.495228	0.1512799

Table 3159: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Focal.adhesion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3160: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Folate.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0156898	0.0514815	-0.3047659	0.7638576
L3.Folate.biosynthesis	0.0000001	0.0000002	0.3339637	0.7420648

Table 3161: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Fructose.and.mannose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0195588	0.0448434	-0.4361573	0.6676381
L3.Fructose.and.mannose.metabolism	0.0000000	0.0000001	0.4934933	0.6273200

Table 3162: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Function.unknown

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0210414	0.0454437	-0.4630215	0.6486084
L3.Function.unknown	0.0000000	0.0000001	0.5218677	0.6077934

Table 3163: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.G.protein.coupled.receptors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.007432	0.0234181	-0.3173614	0.7544305
L3.G.protein.coupled.receptors	0.005574	0.0079988	0.6968544	0.4943325

Table 3164: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.GTP.binding.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3165: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Galactose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0156879	0.0465422	-0.3370686	0.7397601
L3.Galactose.metabolism	0.0000000	0.0000001	0.3778599	0.7097229

Table 3166: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Gastric.acid.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3167: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.General.function.prediction.only

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0060543	0.0475701	-0.1272722	0.9000623
L3.General.function.prediction.only	0.0000000	0.0000000	0.1420093	0.8885677

Table 3168: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Geraniol.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0270261	0.0522470	-0.5172760	0.6109333
L3.Geraniol.degradation	0.0000014	0.0000024	0.5645984	0.5789523

Table 3169: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Germination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127570	0.0327691	-0.3892983	0.7013844
L3.Germination	0.0000005	0.0000010	0.5066496	0.6182298

Table 3170: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glioma

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3171: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glutamatergic.synapse

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0218633	0.0471200	0.4639929	0.6479248
L3.Glutamatergic.synapse	-0.0000003	0.0000006	-0.5181045	0.6103662

Table 3172: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glutathione.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288621	0.0563764	0.5119528	0.6145833
L3.Glutathione.metabolism	-0.0000002	0.0000005	-0.5514267	0.5877683

Table 3173: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycan.bindng.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3174: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycan.biosynthesis.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0114394	0.0435484	-0.2626820	0.7956229
L3.Glycan.biosynthesis.and.metabolism	0.0000007	0.0000024	0.3001239	0.7673416

Table 3175: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycerolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157212	0.0407708	-0.3855998	0.7040763
L3.Glycerolipid.metabolism	0.0000001	0.0000001	0.4498786	0.6578885

Table 3176: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycerophospholipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.004837	0.0436272	-0.1108721	0.9128806
L3.Glycerophospholipid.metabolism	0.000000	0.0000001	0.1266806	0.9005242

Table 3177: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycine..serine.and.threonine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0030263	0.0492997	-0.0613865	0.9516926
L3.Glycine..serine.and.threonine.metabolism	0.0000000	0.0000001	0.0679296	0.9465515

Table 3178: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycolysis. . . Gluconeogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0012539	0.0460960	0.0272029	0.9785816
L3.Glycolysis. . . Gluconeogenesis	0.0000000	0.0000001	-0.0306014	0.9759066

Table 3179: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosaminoglycan.biosynthesis. . . chondroitin.sulfate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0015378	0.0216186	0.0711332	0.9440352
L3.Glycosaminoglycan.biosynthesis. . . chondroitin.sulfate	-0.0011534	0.0036667	-0.3145469	0.7565337

Table 3180: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosaminoglycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0144446	0.0411943	0.3506445	0.7297127
L3.Glycosaminoglycan.degradation	-0.0000002	0.0000005	-0.4077285	0.6880307

Table 3181: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis. . . ganglio.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0150731	0.0375141	0.4017976	0.6923167
L3.Glycosphingolipid.biosynthesis. . . ganglio.series	-0.0000003	0.0000007	-0.4847221	0.6334146

Table 3182: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis. . . globo.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0086105	0.0468894	-0.1836349	0.8562454
L3.Glycosphingolipid.biosynthesis. . . globo.series	0.0000001	0.0000005	0.2056060	0.8392856

Table 3183: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0098264	0.0216241	-0.4544208	0.6546748
L3.Glycosphingolipid.biosynthesis. . . lacto.and.neolacto.series	0.0000487	0.0000377	1.2921139	0.2118133

Table 3184: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3185: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glycosyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0202419	0.0524785	-0.3857177	0.7039905
L3.Glycosyltransferases	0.0000001	0.0000002	0.4209448	0.6785187

Table 3186: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Glyoxylate.and.dicarboxylate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0098199	0.0466808	-0.2103623	0.8356244
L3.Glyoxylate.and.dicarboxylate.metabolism	0.0000000	0.0000001	0.2357781	0.8161277

Table 3187: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.GnRH.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0039830	0.0218591	0.1822142	0.8573447
L3.GnRH.signaling.pathway	-0.0278813	0.0447979	-0.6223800	0.5410901

Table 3188: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Hedgehog.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3189: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Hematopoietic.cell.lineage

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3190: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Hepatitis.C

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3191: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Histidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0035504	0.0480449	0.0738970	0.9418648
L3.Histidine.metabolism	0.0000000	0.0000001	-0.0822627	0.9352983

Table 3192: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Homologous.recombination

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0066157	0.0478436	0.1382778	0.8914758

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Homologous.recombination	0.0000000	0.0000001	-0.1540708	0.8791787

Table 3193: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Huntington.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0019797	0.0436074	-0.0453986	0.9642633
L3.Huntington.s.disease	0.0000001	0.0000021	0.0518845	0.9591623

Table 3194: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Hypertrophic.cardiomyopathy..HCM.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0016877	0.0215618	0.0782742	0.9384284
L3.Hypertrophic.cardiomyopathy..HCM.	-0.0050632	0.0141155	-0.3586976	0.7237762

Table 3195: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Indole.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3196: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Influenza.A

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.Influenza.A	-0.0000154	0.0000165	-0.9370923	0.3604708

Table 3197: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Inorganic.ion.transport.and.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0355549	0.0464405	-0.7656012	0.453320
L3.Inorganic.ion.transport.and.metabolism	0.0000003	0.0000003	0.8554467	0.402963

Table 3198: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Inositol.phosphate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0023895	0.0485620	0.0492044	0.9612699
L3.Inositol.phosphate.metabolism	0.0000000	0.0000007	-0.0546377	0.9569975

Table 3199: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Insulin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043148	0.0425527	0.1013988	0.9202963
L3.Insulin.signaling.pathway	-0.0000001	0.0000007	-0.1167748	0.9082641

Table 3200: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0651313	0.0476637	-1.366476	0.1877442
L3.Ion.channels	0.0000072	0.0000048	1.504737	0.1488346

Table 3201: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Isoflavonoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0064562	0.0214935	0.3003777	0.7671510
L3.Isoflavonoid.biosynthesis	-0.0451931	0.0440485	-1.0259852	0.3177843

Table 3202: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Isoquinoline.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0150690	0.0549255	0.2743540	0.7867734
L3.Isoquinoline.alkaloid.biosynthesis	-0.0000004	0.0000013	-0.2970687	0.7696374

Table 3203: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Leishmaniasis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3204: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Leukocyte.transendothelial.migration

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3205: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Limonene.and.pinene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0147073	0.0468946	0.3136257	0.7572224
L3.Limonene.and.pinene.degradation	-0.0000003	0.0000009	-0.3509516	0.7294860

Table 3206: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Linoleic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0148741	0.0447111	-0.332671	0.7430251
L3.Linoleic.acid.metabolism	0.0000003	0.0000008	0.376998	0.7103528

Table 3207: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lipid.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0099781	0.0485619	0.2054710	0.8393896
L3.Lipid.biosynthesis.proteins	0.0000000	0.0000001	-0.2280914	0.8220119

Table 3208: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0077699	0.0417039	-0.1863123	0.8541747
L3.Lipid.metabolism	0.0000001	0.0000004	0.2159541	0.8313250

Table 3209: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lipoic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0057556	0.0449504	-0.1280442	0.8994596
L3.Lipoic.acid.metabolism	0.0000002	0.0000017	0.1450165	0.8862251

Table 3210: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lipopolysaccharide.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0336057	0.0488092	-0.6885111	0.4994523
L3.Lipopolysaccharide.biosynthesis	0.0000002	0.0000003	0.7610669	0.4559597

Table 3211: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lipopolysaccharide.biosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0289398	0.0524175	-0.5521027	0.5873143
L3.Lipopolysaccharide.biosynthesis.proteins	0.0000001	0.0000002	0.6021080	0.5542204

Table 3212: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Long.term.depression

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3213: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Long.term.potentiation

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3214: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lysine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0025336	0.0448429	-0.0564999	0.9555335
L3.Lysine.biosynthesis	0.0000000	0.0000001	0.0640406	0.9496069

Table 3215: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lysine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0076179	0.0489754	0.1555449	0.8780324
L3.Lysine.degradation	-0.0000001	0.0000006	-0.1723557	0.8649806

Table 3216: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Lysosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0097767	0.0451472	0.2165528	0.8308650
L3.Lysosome	-0.0000001	0.0000004	-0.2448862	0.8091699

Table 3217: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.MAPK.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3218: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.MAPK.signaling.pathway. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0034441	0.0506503	-0.0679982	0.9464976
L3.MAPK.signaling.pathway. . . yeast	0.0000001	0.0000015	0.0748050	0.9411519

Table 3219: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Measles

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3220: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Meiosis. . . yeast

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0100757	0.0230717	-0.4367113	0.6672433
L3.Meiosis. . . yeast	0.0000060	0.0000062	0.9712520	0.3436259

Table 3221: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Melanogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0125322	0.0210751	-0.5946473	0.5590948
L3.Melanogenesis	0.0019351	0.0011540	1.6768849	0.1099410

Table 3222: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Membrane.and.intracellular.structural.molecules

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0140192	0.0532009	-0.2635137	0.7949914
L3.Membrane.and.intracellular.structural.molecules	0.0000000	0.0000001	0.2869739	0.7772385

Table 3223: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Metabolism.of.cofactors.and.vitamins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0440140	0.0397682	-1.106764	0.2822123
L3.Metabolism.of.cofactors.and.vitamins	0.0000006	0.0000005	1.285976	0.2139033

Table 3224: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Metabolism.of.xenobiotics.by.cytochrome.P450

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0145454	0.0397519	0.3659051	0.7184782
L3.Metabolism.of.xenobiotics.by.cytochrome.P450	-0.0000013	0.0000029	-0.4310330	0.6712950

Table 3225: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Methane.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0062037	0.044856	-0.1383032	0.8914561
L3.Methane.metabolism	0.0000000	0.000000	0.1567245	0.8771153

Table 3226: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Mineral.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0498890	0.0255520	-1.952451	0.0657779
L3.Mineral.absorption	0.0000298	0.0000109	2.733957	0.0131854

Table 3227: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Mismatch.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0013956	0.0470469	0.0296634	0.9766449
L3.Mismatch.repair	0.0000000	0.0000001	-0.0331935	0.9738665

Table 3228: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.N.Glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0695985	0.0444538	-1.565635	0.1339375
L3.N.Glycan.biosynthesis	0.0000044	0.0000025	1.744380	0.0972489

Table 3229: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.NOD.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0223265	0.0478696	0.4664025	0.6462305
L3.NOD.like.receptor.signaling.pathway	-0.0000008	0.0000015	-0.5188069	0.6098856

Table 3230: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Naphthalene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0265047	0.0468264	0.566020	0.5780049
L3.Naphthalene.degradation	-0.0000003	0.0000005	-0.632476	0.5346140

Table 3231: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Neuroactive.ligand.receptor.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3232: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Neurotrophin.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3233: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Nicotinate.and.nicotinamide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0036445	0.0472982	-0.0770541	0.9393861
L3.Nicotinate.and.nicotinamide.metabolism	0.0000000	0.0000002	0.0861052	0.9322837

Table 3234: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Nitrogen.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0175245	0.0504390	-0.3474394	0.7320803
L3.Nitrogen.metabolism	0.0000000	0.0000001	0.3822592	0.7065114

Table 3235: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Nitrotoluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0167416	0.0347064	-0.4823764	0.6350491
L3.Nitrotoluene.degradation	0.0000003	0.0000004	0.6044345	0.5527050

Table 3236: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Non.homologous.end.joining

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0596444	0.0244182	-2.442617	0.0245249
L3.Non.homologous.end.joining	0.0000189	0.0000056	3.353931	0.0033341

Table 3237: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Notch.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3238: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Novobiocin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0045285	0.0472878	0.0957640	0.9247108
L3.Novobiocin.biosynthesis	-0.0000001	0.0000005	-0.1070159	0.9158983

Table 3239: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Nucleotide.excision.repair

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.004735	0.0457415	-0.1035168	0.9186377
L3.Nucleotide.excision.repair	0.000000	0.0000002	0.1166801	0.9083381

Table 3240: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Nucleotide.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0370527	0.0359508	-1.030648	0.3156478
L3.Nucleotide.metabolism	0.0000013	0.0000011	1.248692	0.2269451

Table 3241: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Olfactory.transduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3242: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.One.carbon.pool.by.folate

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0114667	0.0497776	0.2303582	0.8202755
L3.One.carbon.pool.by.folate	0.0000000	0.0000001	-0.2542789	0.8020117

Table 3243: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Oocyte.meiosis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3244: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Other.glycan.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0027658	0.0509402	0.0542941	0.9572677
L3.Other.glycan.degradation	0.0000000	0.0000002	-0.0596586	0.9530506

Table 3245: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Other.ion.coupled.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0090361	0.0504654	-0.1790551	0.8597900
L3.Other.ion.coupled.transporters	0.0000000	0.0000001	0.1970948	0.8458465

Table 3246: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Other.transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0054332	0.0475212	-0.1143330	0.9101734
L3.Other.transporters	0.0000000	0.0000002	0.1276073	0.8998007

Table 3247: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Other.types.of.O.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3248: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Others

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0132486	0.0468780	-0.2826179	0.7805256
L3.Others	0.0000000	0.0000001	0.3163300	0.7552010

Table 3249: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Oxidative.phosphorylation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.003642	0.0468516	-0.0777358	0.9388511
L3.Oxidative.phosphorylation	0.000000	0.0000001	0.0870745	0.9315234

Table 3250: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.PPAR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0385417	0.0498938	0.7724755	0.4493359
L3.PPAR.signaling.pathway	-0.0000005	0.0000006	-0.8491926	0.4063470

Table 3251: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pancreatic.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3252: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pancreatic.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3253: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pantothenate.and.CoA.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0032114	0.0453095	-0.0708766	0.9442367

	Estimate	Std. Error	t value	Pr(>|t|)
L3.Pantothenate.and.CoA.biosynthesis	0.0000000	0.0000001	0.0801014	0.9369943

Table 3254: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Parkinson.s.disease

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0046127	0.0212467	0.2171042	0.8304414
L3.Parkinson.s.disease	-0.0000038	0.0000041	-0.9250981	0.3665163

Table 3255: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pathogenic.Escherichia.coli.infection

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3256: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pathways.in.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0034617	0.0448107	-0.0772520	0.9392308
L3.Pathways.in.cancer	0.0000001	0.0000013	0.0875778	0.9311287

Table 3257: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Penicillin.and.cephalosporin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0328241	0.0441958	-0.7426972	0.4667490
L3.Penicillin.and.cephalosporin.biosynthesis	0.0000018	0.0000022	0.8409543	0.4108326

Table 3258: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pentose.and.glucuronate.interconversions

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0060176	0.0477771	-0.1259506	0.9010943
L3.Pentose.and.glucuronate.interconversions	0.0000000	0.0000001	0.1403864	0.8898323

Table 3259: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pentose.phosphate.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0099826	0.0456062	-0.2188876	0.8290717
L3.Pentose.phosphate.pathway	0.0000000	0.0000001	0.2468366	0.8076821

Table 3260: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Peptidases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0029377	0.0479053	-0.0613221	0.9517432
L3.Peptidases	0.0000000	0.0000000	0.0683128	0.9462504

Table 3261: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Peptidoglycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011741	0.0459962	-0.0255264	0.9799013
L3.Peptidoglycan.biosynthesis	0.0000000	0.0000001	0.0287321	0.9773779

Table 3262: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Peroxisome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0093279	0.0516873	0.1804672	0.8586968
L3.Peroxisome	-0.0000001	0.0000004	-0.1976739	0.8453997

Table 3263: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pertussis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0135044	0.0486346	-0.2776702	0.7842644
L3.Pertussis	0.0000007	0.0000024	0.3080521	0.7613943

Table 3264: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phagosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3265: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phenylalanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0111260	0.0488297	0.2278539	0.8221939
L3.Phenylalanine.metabolism	-0.0000001	0.0000004	-0.2525998	0.8032900

Table 3266: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0110421	0.0448744	-0.2460662	0.8082697
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis	0.0000000	0.0000001	0.2786985	0.7834869

Table 3267: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phenylpropanoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0320759	0.0383021	-0.8374463	0.4127523
L3.Phenylpropanoid.biosynthesis	0.0000002	0.0000002	0.9930713	0.3331549

Table 3268: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phosphatidylinositol.signaling.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0012047	0.0507383	-0.0237442	0.9813043
L3.Phosphatidylinositol.signaling.system	0.0000000	0.0000008	0.0261123	0.9794401

Table 3269: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phosphonate.and.phosphinate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0087959	0.0460066	0.1911870	0.8504073
L3.Phosphonate.and.phosphinate.metabolism	-0.0000002	0.0000009	-0.2151151	0.8319698

Table 3270: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phosphotransferase.system..PTS.

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0306489	0.0323646	-0.9469876	0.3555345
L3.Phosphotransferase.system..PTS.	0.0000001	0.0000001	1.2172750	0.2384032

Table 3271: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Photosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.012611	0.0410134	-0.307485	0.7618192
L3.Photosynthesis	0.000000	0.0000001	0.358227	0.7241227

Table 3272: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Photosynthesis...antenna.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0071488	0.0218652	0.3269477	0.7472819
L3.Photosynthesis...antenna.proteins	-0.0001021	0.0001046	-0.9763421	0.3411631

Table 3273: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Photosynthesis.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0124507	0.0409988	-0.3036839	0.7646692
L3.Photosynthesis.proteins	0.0000000	0.0000001	0.3538542	0.7273445

Table 3274: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phototransduction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3275: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Phototransduction...fly

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3276: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Plant.pathogen.interaction

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0072477	0.0424293	0.1708181	0.8661727
L3.Plant.pathogen.interaction	-0.0000001	0.0000004	-0.1968653	0.8460236

Table 3277: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Polycyclic.aromatic.hydrocarbon.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0044681	0.0457370	0.0976920	0.9232001
L3.Polycyclic.aromatic.hydrocarbon.degradation	-0.0000001	0.0000006	-0.1101187	0.9134701

Table 3278: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Polyketide.sugar.unit.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0193664	0.0503131	-0.3849171	0.7045737
L3.Polyketide.sugar.unit.biosynthesis	0.0000001	0.0000003	0.4236384	0.6765868

Table 3279: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Pores.ion.channels

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0047961	0.0563574	0.0851017	0.9330709
L3.Pores.ion.channels	0.0000000	0.0000002	-0.0917828	0.9278314

Table 3280: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Porphyrin.and.chlorophyll.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0127613	0.0441625	-0.2889622	0.7757395
L3.Porphyrin.and.chlorophyll.metabolism	0.0000000	0.0000001	0.3287209	0.7459622

Table 3281: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Prenyltransferases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0003408	0.0499962	-0.0068168	0.9946321
L3.Prenyltransferases	0.0000000	0.0000002	0.0075203	0.9940781

Table 3282: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Primary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0197117	0.0415399	-0.4745240	0.6405346
L3.Primary.bile.acid.biosynthesis	0.0000007	0.0000013	0.5495079	0.5890582

Table 3283: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Primary.immunodeficiency

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0288195	0.0453714	-0.6351898	0.5328804
L3.Primary.immunodeficiency	0.0000009	0.0000013	0.7150384	0.4832797

Table 3284: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Prion.diseases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0259553	0.0319042	-0.8135407	0.4259864
L3.Prion.diseases	0.0000067	0.0000063	1.0622006	0.3014600

Table 3285: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Progesterone.mediated.oocyte.maturation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0077687	0.0460355	0.1687533	0.8677742
L3.Progesterone.mediated.oocyte.maturation	-0.0000003	0.0000016	-0.1898556	0.8514359

Table 3286: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Propanoate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.003214	0.0468057	0.0686666	0.9459725
L3.Propanoate.metabolism	0.000000	0.0000001	-0.0769359	0.9394789

Table 3287: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Prostate.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0051570	0.0467636	-0.1102776	0.9133457
L3.Prostate.cancer	0.0000002	0.0000015	0.1235787	0.9029468

Table 3288: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Proteasome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0018597	0.0454498	0.0409184	0.9677879
L3.Proteasome	-0.0000001	0.0000015	-0.0462060	0.9636283

Table 3289: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Protein.digestion.and.absorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0185457	0.0393541	0.4712523	0.6428264
L3.Protein.digestion.and.absorption	-0.0000011	0.0000019	-0.5566184	0.5842854

Table 3290: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Protein.export

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0043584	0.0477483	-0.0912786	0.9282267
L3.Protein.export	0.0000000	0.0000001	0.1017614	0.9200123

Table 3291: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Protein.folding.and.associated.processing

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0198322	0.0480246	-0.4129600	0.6842589
L3.Protein.folding.and.associated.processing	0.0000000	0.0000001	0.4591728	0.6513199

Table 3292: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Protein.kinases

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0070344	0.0416041	-0.1690795	0.8675212
L3.Protein.kinases	0.0000000	0.0000002	0.1961560	0.8465709

Table 3293: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Protein.processing.in.endoplasmic.reticulum

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0302323	0.0531267	0.5690597	0.5759816
L3.Protein.processing.in.endoplasmic.reticulum	-0.0000007	0.0000012	-0.6189880	0.5432753

Table 3294: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Proximal.tubule.bicarbonate.reclamation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0489852	0.0360974	1.357027	0.1906766
L3.Proximal.tubule.bicarbonate.reclamation	-0.0000035	0.0000022	-1.622506	0.1211711

Table 3295: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Purine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0097333	0.0479376	-0.2030406	0.8412619
L3.Purine.metabolism	0.0000000	0.0000000	0.2260843	0.8235502

Table 3296: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pyrimidine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0038706	0.0481531	0.0803802	0.9367755
L3.Pyrimidine.metabolism	0.0000000	0.0000000	-0.0894311	0.9296753

Table 3297: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Pyruvate.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0089168	0.0466962	0.1909538	0.8505875
L3.Pyruvate.metabolism	0.0000000	0.0000001	-0.2140206	0.8328110

Table 3298: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.RIG.I.like.receptor.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0032020	0.0274005	0.1168607	0.9081968
L3.RIG.I.like.receptor.signaling.pathway	-0.0000024	0.0000131	-0.1831086	0.8566526

Table 3299: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.RNA.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0011273	0.0494336	-0.0228047	0.9820438
L3.RNA.degradation	0.0000000	0.0000001	0.0252207	0.9801419

Table 3300: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.RNA.polymerase

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0017486	0.0472317	0.0370214	0.9708541
L3.RNA.polymerase	0.0000000	0.0000004	-0.0413861	0.9674199

Table 3301: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.RNA.transport

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0042491	0.0411183	-0.1033377	0.9187779
L3.RNA.transport	0.0000000	0.0000004	0.1204093	0.9054231

Table 3302: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Regulation.of.actin.cytoskeleton

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3303: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Renal.cell.carcinoma

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0550743	0.0321236	-1.714450	0.1027123
L3.Renal.cell.carcinoma	0.0000150	0.0000071	2.124934	0.0469329

Table 3304: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Renin.angiotensin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0033607	0.0219043	0.1534244	0.8796814
L3.Renin.angiotensin.system	-0.0047049	0.0089071	-0.5282197	0.6034624

Table 3305: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Replication..recombination.and.repair.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0080132	0.0437991	0.1829545	0.8567718
L3.Replication..recombination.and.repair.proteins	0.0000000	0.0000001	-0.2087455	0.8368685

Table 3306: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Restriction.enzyme

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0386104	0.0491060	0.7862675	0.4414075
L3.Restriction.enzyme	-0.0000003	0.0000004	-0.8671370	0.3966865

Table 3307: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Retinol.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0089576	0.0414557	0.2160770	0.8312306
L3.Retinol.metabolism	-0.0000006	0.0000024	-0.2509349	0.8045582

Table 3308: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Rheumatoid.arthritis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3309: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Riboflavin.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0010147	0.0505673	-0.0200658	0.9842001
L3.Riboflavin.metabolism	0.0000000	0.0000003	0.0220827	0.9826122

Table 3310: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ribosome

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0030763	0.0467555	0.0657956	0.9482279
L3.Ribosome	0.0000000	0.0000000	-0.0737396	0.9419883

Table 3311: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ribosome.Biogenesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0020156	0.0453317	-0.0444630	0.9649993
L3.Ribosome.Biogenesis	0.0000000	0.0000000	0.0502446	0.9604519

Table 3312: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ribosome.biogenesis.in.eukaryotes

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0002995	0.0452831	0.0066149	0.9947911
L3.Ribosome.biogenesis.in.eukaryotes	0.0000000	0.0000014	-0.0074774	0.9941119

Table 3313: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Salivary.secretion

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3314: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Secondary.bile.acid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0152268	0.0420670	-0.3619661	0.7213719
L3.Secondary.bile.acid.biosynthesis	0.0000006	0.0000014	0.4178531	0.6807389

Table 3315: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Secretion.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.004734	0.0421084	-0.1124236	0.9116668
L3.Secretion.system	0.000000	0.0000001	0.1299181	0.8979968

Table 3316: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Selenocompound.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0146988	0.0463401	-0.3171946	0.7545551
L3.Selenocompound.metabolism	0.0000001	0.0000002	0.3560190	0.7257489

Table 3317: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Sesquiterpenoid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3318: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Shigellosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0052067	0.0226148	-0.2302322	0.8203720
L3.Shigellosis	0.0027335	0.0045187	0.6049349	0.5523793

Table 3319: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Signal.transduction.mechanisms

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0044814	0.0427922	-0.1047252	0.9176915
L3.Signal.transduction.mechanisms	0.0000000	0.0000001	0.1203857	0.9054415

Table 3320: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Small.cell.lung.cancer

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.Small.cell.lung.cancer	-0.0000154	0.0000165	-0.9370923	0.3604708

Table 3321: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Sphingolipid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.009181	0.0485697	-0.1890282	0.8520753
L3.Sphingolipid.metabolism	0.000000	0.0000002	0.2098408	0.8360256

Table 3322: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Spliceosome

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3323: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Sporulation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0030108	0.0350115	-0.0859936	0.9323712
L3.Sporulation	0.0000000	0.0000001	0.1077816	0.9152990

Table 3324: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Staphylococcus.aureus.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0187494	0.0306694	0.6113402	0.5482197
L3.Staphylococcus.aureus.infection	-0.0000055	0.0000067	-0.8298872	0.4169083

Table 3325: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Starch.and.sucrose.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0193401	0.0433780	-0.4458515	0.6607435
L3.Starch.and.sucrose.metabolism	0.0000000	0.0000001	0.5093248	0.6163891

Table 3326: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Steroid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0020677	0.0232842	0.0888010	0.9301694
L3.Steroid.biosynthesis	-0.0000073	0.0000349	-0.2094989	0.8362887

Table 3327: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Steroid.hormone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0023125	0.0337259	-0.0685677	0.9460502
L3.Steroid.hormone.biosynthesis	0.0000001	0.0000017	0.0879182	0.9308617

Table 3328: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0116118	0.0253498	-0.4580652	0.6521012
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis	0.0000395	0.0000495	0.7987831	0.4342882

Table 3329: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Streptomycin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0151942	0.0493897	-0.3076394	0.7617036
L3.Streptomycin.biosynthesis	0.0000001	0.0000002	0.3400706	0.7375342

Table 3330: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Styrene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0180806	0.0332279	-0.5441391	0.5926747
L3.Styrene.degradation	0.0000015	0.0000021	0.6987806	0.4931548

Table 3331: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Sulfur.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0065727	0.0490262	-0.1340642	0.8947617
L3.Sulfur.metabolism	0.0000000	0.0000002	0.1485252	0.8834933

Table 3332: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Sulfur.relay.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0041967	0.0424051	-0.0989676	0.9222007
L3.Sulfur.relay.system	0.0000000	0.0000002	0.1141054	0.9103514

Table 3333: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Synthesis.and.degradation.of.ketone.bodies

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0601100	0.0355195	1.692310	0.1069218
L3.Synthesis.and.degradation.of.ketone.bodies	-0.0000039	0.0000020	-2.010324	0.0588096

Table 3334: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Systemic.lupus.erythematosus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0018361	0.0241607	0.0759938	0.9402185
L3.Systemic.lupus.erythematosus	-0.0000163	0.0001045	-0.1559924	0.8776845

Table 3335: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.TGF.beta.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3336: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Taurine.and.hypotaurine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0210485	0.0526328	0.3999113	0.6936821
L3.Taurine.and.hypotaurine.metabolism	-0.0000003	0.0000007	-0.4361628	0.6676343

Table 3337: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Terpenoid.backbone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0094386	0.0483917	0.1950456	0.8474278
L3.Terpenoid.backbone.biosynthesis	0.0000000	0.0000001	-0.2167025	0.8307500

Table 3338: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Tetracycline.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	8.5e-03	0.0421603	0.2016108	0.8423638
L3.Tetracycline.biosynthesis	-1.0e-07	0.0000004	-0.2328115	0.8183974

Table 3339: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Thiamine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0006788	0.0466372	0.0145550	0.9885390
L3.Thiamine.metabolism	0.0000000	0.0000001	-0.0163235	0.9871465

Table 3340: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Tight.junction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3341: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Toluene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0078672	0.0363205	-0.2166061	0.8308241
L3.Toluene.degradation	0.0000001	0.0000004	0.2659521	0.7931406

Table 3342: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Toxoplasmosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.Toxoplasmosis	-0.0000154	0.0000165	-0.9370923	0.3604708

Table 3343: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Transcription.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0099415	0.0404931	-0.2455117	0.8086927
L3.Transcription.factors	0.0000000	0.0000000	0.2874847	0.7768533

Table 3344: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Transcription.machinery

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0164238	0.0486707	0.3374472	0.7394792
L3.Transcription.machinery	0.0000000	0.0000001	-0.3742040	0.7123960

Table 3345: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Transcription.related.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0227346	0.0252343	-0.9009395	0.378899
L3.Transcription.related.proteins	0.0000109	0.0000074	1.4770469	0.156047

Table 3346: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Translation.factors

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0004624	0.0480456	0.0096241	0.9924215
L3.Translation.factors	0.0000000	0.0000001	-0.0107140	0.9915633

Table 3347: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Translation.proteins

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0013875	0.0467336	0.0296902	0.9766238
L3.Translation.proteins	0.0000000	0.0000001	-0.0332799	0.9737985

Table 3348: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Transporters

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0153296	0.0392345	-0.3907187	0.7003516
L3.Transporters	0.0000000	0.0000000	0.4625143	0.6489654

Table 3349: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0161036	0.0489370	0.3290669	0.7457047
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis	-0.0000002	0.0000006	-0.3644723	0.7195303

Table 3350: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Tryptophan.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0158679	0.0448407	-0.3538737	0.7273301
L3.Tryptophan.metabolism	0.0000002	0.0000005	0.4006431	0.6931523

Table 3351: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Tuberculosis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0150461	0.0460593	0.3266688	0.7474896
L3.Tuberculosis	-0.0000002	0.0000004	-0.3672163	0.7175160

Table 3352: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Two.component.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0095116	0.0422408	-0.2251764	0.8242462
L3.Two.component.system	0.0000000	0.0000000	0.2598291	0.7977903

Table 3353: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Type.I.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0119237	0.0485992	0.2453485	0.8088172
L3.Type.I.diabetes.mellitus	-0.0000004	0.0000013	-0.2722739	0.7883483

Table 3354: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Type.II.diabetes.mellitus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0157846	0.0475431	-0.3320049	0.7435201
L3.Type.II.diabetes.mellitus	0.0000005	0.0000015	0.3702225	0.7153116

Table 3355: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Tyrosine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0058815	0.0468677	0.1254919	0.9014524
L3.Tyrosine.metabolism	0.0000000	0.0000002	-0.1405441	0.8897094

Table 3356: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0420747	0.0548156	-0.7675677	0.4521781
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis	0.0000004	0.0000005	0.8292213	0.4172757

Table 3357: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Ubiquitin.system

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0288320	0.0379404	0.7599281	0.4566241
L3.Ubiquitin.system	-0.0000051	0.0000057	-0.9062485	0.3761543

Table 3358: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.VEGF.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3359: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Valine..leucine.and.isoleucine.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	2.33e-05	0.0434569	0.0005364	0.9995776
L3.Valine..leucine.and.isoleucine.biosynthesis	0.00e+00	0.0000001	-0.0006137	0.9995167

Table 3360: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Valine..leucine.and.isoleucine.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0201377	0.0546427	0.3685345	0.7165491
L3.Valine..leucine.and.isoleucine.degradation	-0.0000002	0.0000004	-0.3992750	0.6941430

Table 3361: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Various.types.of.N.glycan.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0010758	0.0235048	0.0457714	0.9639701
L3.Various.types.of.N.glycan.biosynthesis	-0.0000840	0.0008074	-0.1040278	0.9182375

Table 3362: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Vascular.smooth.muscle.contraction

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3363: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Vasopressin.regulated.water.reabsorption

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0015189	0.0223327	0.0680129	0.9464860
L3.Vasopressin.regulated.water.reabsorption	-0.0063794	0.0308570	-0.2067412	0.8384114

Table 3364: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Vibrio.cholerae.infection

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0101066	0.0206862	-0.4885664	0.6307401
L3.Vibrio.cholerae.infection	0.0212239	0.0129001	1.6452433	0.1163625

Table 3365: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Vibrio.cholerae.pathogenic.cycle

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0165011	0.0461175	0.3578056	0.7244329
L3.Vibrio.cholerae.pathogenic.cycle	-0.0000004	0.0000010	-0.4020105	0.6921627

Table 3366: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Viral.myocarditis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.Viral.myocarditis	-0.0000154	0.0000165	-0.9370923	0.3604708

Table 3367: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.Vitamin.B6.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0149955	0.0493256	0.3040111	0.7644238
L3.Vitamin.B6.metabolism	-0.0000001	0.0000003	-0.3361619	0.7404329

Table 3368: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Wnt.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3369: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Xylene.degradation

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0049522	0.0346084	0.1430927	0.8877236
L3.Xylene.degradation	-0.0000002	0.0000009	-0.1805007	0.8586708

Table 3370: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.Zeatin.biosynthesis

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0093994	0.0518929	0.1811298	0.8581839
L3.Zeatin.biosynthesis	-0.0000003	0.0000014	-0.1982429	0.8449608

Table 3371: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.alpha.Linolenic.acid.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0353514	0.027994	-1.262818	0.2219334
L3.alpha.Linolenic.acid.metabolism	0.0000283	0.000016	1.765929	0.0934722

Table 3372: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.beta.Alanine.metabolism

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0203256	0.0469486	-0.4329342	0.6699372
L3.beta.Alanine.metabolism	0.0000002	0.0000004	0.4839680	0.6339398

Table 3373: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs
L3.beta.Lactam.resistance

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	-0.0368554	0.0376395	-0.9791699	0.3398001
L3.beta.Lactam.resistance	0.0000018	0.0000016	1.1650749	0.2584082

Table 3374: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.mRNA.surveillance.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3375: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.mTOR.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	0	0.0205787	0	1

Table 3376: diversity_vs_picrust_L3_yr1: wunifrac.PC.4 vs L3.p53.signaling.pathway

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.0043415	0.0211552	0.2052194	0.8395834
L3.p53.signaling.pathway	-0.0000154	0.0000165	-0.9370923	0.3604708

Microbiome alpha diversity difference (yr1 vs neo) vs SS, IBQ-R

Table 3377: div_diff_vs_strange_yr1: Summed vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	4.1299788	0.9509259	4.3431130	0.0004420
chao1	0.0013846	0.0047491	0.2915561	0.7741537

Table 3378: div_diff_vs_strange_yr1: Summed vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.9559395	0.9877075	4.0051732	0.0009169
observed_otus	0.0040836	0.0085284	0.4788158	0.6381703

Table 3379: div_diff_vs_strange_yr1: Summed vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.6415299	1.3304772	2.7370103	0.0140451
PD_whole_tree	0.1359399	0.2319489	0.5860772	0.5655246

Table 3380: div_diff_vs_strange_yr1: Summed vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.532586	0.8637427	4.089859	0.0007633
shannon	0.537045	0.4662545	1.151828	0.2653335

Table 3381: div_diff_vs_strange_yr1: Average vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3759536	0.3169163	4.3416934	0.0004434
chao1	0.0004636	0.0015827	0.2929133	0.7731337

Table 3382: div_diff_vs_strange_yr1: Average vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3180040	0.3291721	4.0039971	0.0009192
observed_otus	0.0013641	0.0028423	0.4799243	0.6373979

Table 3383: div_diff_vs_strange_yr1: Average vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2136897	0.4434260	2.7370736	0.0140432
PD_whole_tree	0.0452764	0.0773047	0.5856877	0.5657804

Table 3384: div_diff_vs_strange_yr1: Average vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1766835	0.2878238	4.088208	0.0007660
shannon	0.1793326	0.1553693	1.154234	0.2643729

Table 3385: div_diff_vs_strange_yr1: Max vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3280400	0.4161999	3.190871	0.0053516
chao1	0.0023739	0.0020786	1.142081	0.2692519

Table 3386: div_diff_vs_strange_yr1: Max vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2516020	0.4297816	2.912181	0.0097086
observed_otus	0.0048039	0.0037110	1.294497	0.2128019

Table 3387: div_diff_vs_strange_yr1: Max vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8095939	0.5589624	1.448387	0.1657023
PD_whole_tree	0.1734098	0.0974468	1.779534	0.0930351

Table 3388: div_diff_vs_strange_yr1: Max vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0891994	0.3607053	3.019638	0.0077243
shannon	0.4161268	0.1947113	2.137147	0.0474136

Table 3389: div_diff_vs_strange_yr1: Episode3.1 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5583228	0.3479321	4.4788124	0.0003304
chao1	-0.0011027	0.0017376	-0.6346292	0.5341187

Table 3390: div_diff_vs_strange_yr1: Episode3.1 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5028753	0.3652778	4.1143349	0.0007239
observed_otus	-0.0013311	0.0031540	-0.4220301	0.6782919

Table 3391: div_diff_vs_strange_yr1: Episode3.1 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.5300087	0.4944659	3.094265	0.0065850
PD_whole_tree	-0.0302194	0.0862028	-0.350562	0.7302233

Table 3392: div_diff_vs_strange_yr1: Episode3.1 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4018084	0.3310301	4.234686	0.0005583
shannon	-0.0214522	0.1786924	-0.120051	0.9058502

Table 3393: div_diff_vs_strange_yr1: Episode3.2 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.4343119	0.3571509	4.0159823	0.0008957
chao1	0.0002286	0.0017837	0.1281815	0.8995095

Table 3394: div_diff_vs_strange_yr1: Episode3.2 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.3671704	0.3715295	3.6798438	0.0018574
observed_otus	0.0010545	0.0032080	0.3287038	0.7463940

Table 3395: div_diff_vs_strange_yr1: Episode3.2 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1234017	0.4953997	2.2676671	0.0366743
PD_whole_tree	0.0655083	0.0863656	0.7584999	0.4585394

Table 3396: div_diff_vs_strange_yr1: Episode3.2 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.2544662	0.3301397	3.7998043	0.0014315
shannon	0.1408531	0.1782118	0.7903691	0.4401992

Table 3397: div_diff_vs_strange_yr1: Episode3.3 vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.1373442	0.3734047	3.045876	0.0073033
chao1	0.0022587	0.0018648	1.211222	0.2423794

Table 3398: div_diff_vs_strange_yr1: Episode3.3 vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	1.0858938	0.3870242	2.805752	0.0121573
observed_otus	0.0043602	0.0033418	1.304738	0.2093692

Table 3399: div_diff_vs_strange_yr1: Episode3.3 vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.9881195	0.5304545	1.862779	0.0798663
PD_whole_tree	0.1006511	0.0924768	1.088392	0.2916119

Table 3400: div_diff_vs_strange_yr1: Episode3.3 vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	0.8763115	0.3143789	2.787437	0.0126349

	Estimate	Std. Error	t value	Pr(>|t|)
shannon	0.4176442	0.1697040	2.461016	0.0248494

Table 3401: div_diff_vs_strange_yr1: IBQr_fear vs chao1

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.4380581	0.4832001	7.115184	0.0000025
chao1	-0.0025512	0.0023892	-1.067836	0.3014418

Table 3402: div_diff_vs_strange_yr1: IBQr_fear vs observed_otus

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.4529732	0.5033764	6.859625	0.0000038
observed_otus	-0.0045079	0.0043131	-1.045174	0.3114768

Table 3403: div_diff_vs_strange_yr1: IBQr_fear vs PD_whole_tree

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.3541630	0.6975175	4.8087153	0.0001929
PD_whole_tree	-0.0664774	0.1206725	-0.5508907	0.5893189

Table 3404: div_diff_vs_strange_yr1: IBQr_fear vs shannon

	Estimate	Std. Error	t value	Pr(>|t|)
Intercept	3.1371435	0.4666752	6.722327	0.0000049
shannon	-0.0903246	0.2503647	-0.360772	0.7229889

pdf
2