adiv

	chao1	PD_whole_tree	observed_otus
2016_1	3944	153.16518	3755
2016_3	3689.80473373	143.09837	3384
2016_2	3938.77083333	153.31417	3773
2016_4	3558.18	140.56717	3291
2017_2	4326.5	167.51567	4273
2017_1	4085.13953488	155.17351	3928
2017_3	3798.06402439	144.28556	3479
2017_4	4236.06535948	161.0163	4094
2017_5	3913.25888325	151.51737	3733
2017_6	3545.265	134.14236	3252
2017_7	3811.50649351	147.06169	3636
2017_8	3959.65517241	151.00613	3745

	chao1	PD_whole_tree	observed_otus
2016_1	3062.08333333	125.07979	2956
2016_3	2961.28865979	120.44721	2752
2016_2	3067.55434783	125.40754	2975
2016_4	2829.46835443	118.13871	2677
2017_2	3311.875	135.81605	3290
2017_1	3212.62921348	129.19074	3111
2017_3	3005.74698795	121.0534	2822
2017_4	3259.6625	131.58665	3194
2017_5	3085.24409449	125.73631	2980
2017_6	2824.93793103	112.70976	2612
2017_7	2994.17204301	122.69393	2894
2017_8	3102.4	125.85845	2980

	chao1	PD_whole_tree	observed_otus
2016_1	2563.79411765	109.97823	2491
2016_3	2480.28	105.87901	2343
2016_2	2572.63076923	109.97595	2501
2016_4	2359.16806723	103.35134	2264
2017_2	2758.15384615	118.50047	2747
2017_1	2678.52459016	113.52004	2620
2017_3	2536.04123711	108.07061	2424
2017_4	2707.88235294	115.10469	2672
2017_5	2617.24418605	111.13573	2530
2017_6	2414.11570248	100.8486	2248
2017_7	2495.8	107.91553	2446
2017_8	2595.90140845	110.43479	2513

	chao1	PD_whole_tree	observed_otus
2016_1	2209.13793103	98.90803	2160
2016_3	2150.45901639	95.57878	2043
2016_2	2216.84482759	98.83806	2169
2016_4	2065.06896552	93.58332	1983
2017_2	2359.10714286	105.78137	2353
2017_1	2295.35714286	101.68646	2256
2017_3	2196.97560976	97.53473	2127
2017_4	2307.5	102.94426	2290
2017_5	2256.4	99.9114	2192
2017_6	2092.51886792	91.2706	1957
2017_7	2161.72222222	97.10368	2117
2017_8	2237.12280702	99.44263	2173

	chao1	PD_whole_tree	observed_otus

	adiv		
2016_1	1963.36538462	89.66496	1927
2016_3	1934.0625	87.18367	1833
2016_2	1990.48979592	90.0252	1944
2016_4	1850.11842105	85.32459	1781
2017_2	2089.61904762	95.45809	2087
2017_1	2042.78125	91.93574	2009
2017_3	1970.02173913	89.57894	1920
2017_4	2057.77272727	92.87923	2038
2017_5	2021.96078431	91.08632	1969
2017_6	1878.72527473	82.85106	1764
2017_7	1934.46666667	88.21122	1899
2017_8	1992.88372093	90.00139	1943

	chao1	PD_whole_tree	observed_otus
2016_1	1793.45945946	84.08533	1759
2016_3	1760.7826087	81.82777	1685
2016_2	1813.56097561	84.42973	1776
2016_4	1706.26666667	80.57416	1641
2017_2	1906	89.47895	1903
2017_1	1870.37037037	86.5889	1840
2017_3	1804.54471545	84.24151	1761
2017_4	1879.11764706	86.92256	1860
2017_5	1844.4	85.35427	1801
2017_6	1726.59036145	78.29233	1624
2017_7	1764.75	82.80737	1736
2017_8	1825.24324324	84.64923	1779

	chao1	PD_whole_tree	observed_otus
2016_1	1642.51612903	78.70347	1612
2016_3	1604.85714286	76.72496	1544
2016_2	1662.02941176	78.91745	1626
2016_4	1561.77358491	75.60455	1508
2017_2	1737.21428571	83.42335	1734
2017_1	1712.95652174	80.84127	1684
2017_3	1653.78	78.81077	1611
2017_4	1713.4	81.20889	1698
2017_5	1674.51219512	79.93563	1647
2017_6	1581.04	73.14835	1489
2017_7	1612.79411765	77.28615	1591
2017_8	1673	79.32482	1628

	chao1	PD_whole_tree	observed_otus
2016_1	1503.78571429	74.12781	1480
2016_3	1481.77777778	72.49067	1424
2016_2	1514.89655172	74.15965	1488
2016_4	1430.78431373	71.5389	1390
2017_2	1590.33333333	78.55667	1588
2017_1	1561.25	75.91083	1538
2017_3	1524.5	74.662	1484
2017_4	1562.76923077	76.29865	1551
2017_5	1539.08108108	75.45909	1518
2017_6	1467.83333333	69.36329	1377
2017_7	1487.34482759	72.9766	1468
2017_8	1536.03333333	74.81873	1500

	chao1	PD_whole_tree	observed_otus
2016_1	1400.33333333	69.31631	1372

	adiv		
2016_3	1384.09677419	68.15071	1327
2016_2	1404.5	69.53299	1382
2016_4	1328.19565217	66.96885	1291
2017_2	1469.36363636	73.75898	1468
2017_1	1444.55	71.3894	1427
2017_3	1413.5	70.74628	1377
2017_4	1446	71.68183	1436
2017_5	1425.96875	70.77406	1404
2017_6	1354.19672131	65.46501	1281
2017_7	1374.73076923	68.27634	1358
2017_8	1422.11538462	69.97532	1389
	chao1	PD_whole_tree	observed_otus
2016_1	1314.33333333	65.62739	1285
2016_3	1295.21428571	64.78574	1246
2016_2	1315.37037037	66.01421	1297
2016_4	1244.6097561	63.43088	1211
2017_2	1375.66666667	69.61161	1375
2017_1	1355.4375	67.53031	1341
2017_3	1340.1	67.14697	1301
2017_4	1355.5	67.97217	1350
2017_5	1344.66666667	67.10597	1320
2017_6	1281.26666667	62.67911	1216
2017_7	1287.5	64.78378	1276
2017_8	1329.8	66.24905	1306

OTU number		PD_whole_tree 0.001%	0.002%	0.003%	0.004%	0.005%
1427140	2016_1	153.16518	125.07979	109.97823	98.90803	89.66496
785867	2016_3	143.09837	120.44721	105.87901	95.57878	87.18367
966382	2016_2	153.31417	125.40754	109.97595	98.83806	90.0252
371590	2016_4	140.56717	118.13871	103.35134	93.58332	85.32459
1094022	2017_2	167.51567	135.81605	118.50047	105.78137	95.45809
818625	2017_1	155.17351	129.19074	113.52004	101.68646	91.93574
693596	2017_3	144.28556	121.0534	108.07061	97.53473	89.57894
880395	2017_4	161.0163	131.58665	115.10469	102.94426	92.87923
597583	2017_5	151.51737	125.73631	111.13573	99.9114	91.08632
1017801	2017_6	134.14236	112.70976	100.8486	91.2706	82.85106
724145	2017_7	147.06169	122.69393	107.91553	97.10368	88.21122
1076565	2017_8	151.00613	125.85845	110.43479	99.44263	90.00139

Sheet2

f(x) = 4.05E+03x - 2.25E+05
R² = 1.62E-01

Slope

Interc

PD_whole_tre

▼ OTU number   —— Linear (OTU number)

◆ 'pd_whole_tree at 0.001%'   —— Linear ('pd_whole_tree at 0.001%')
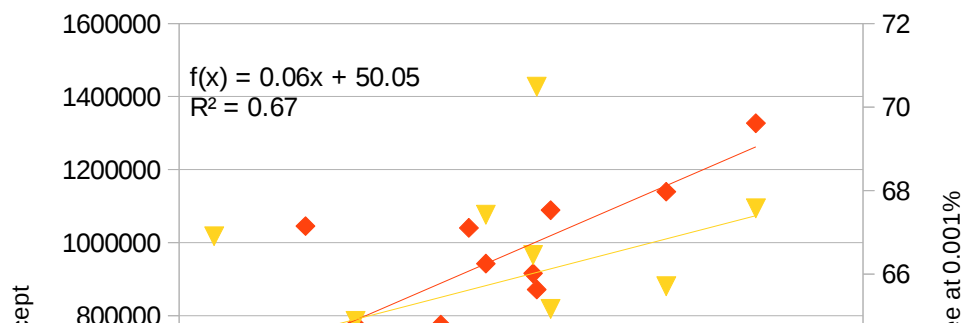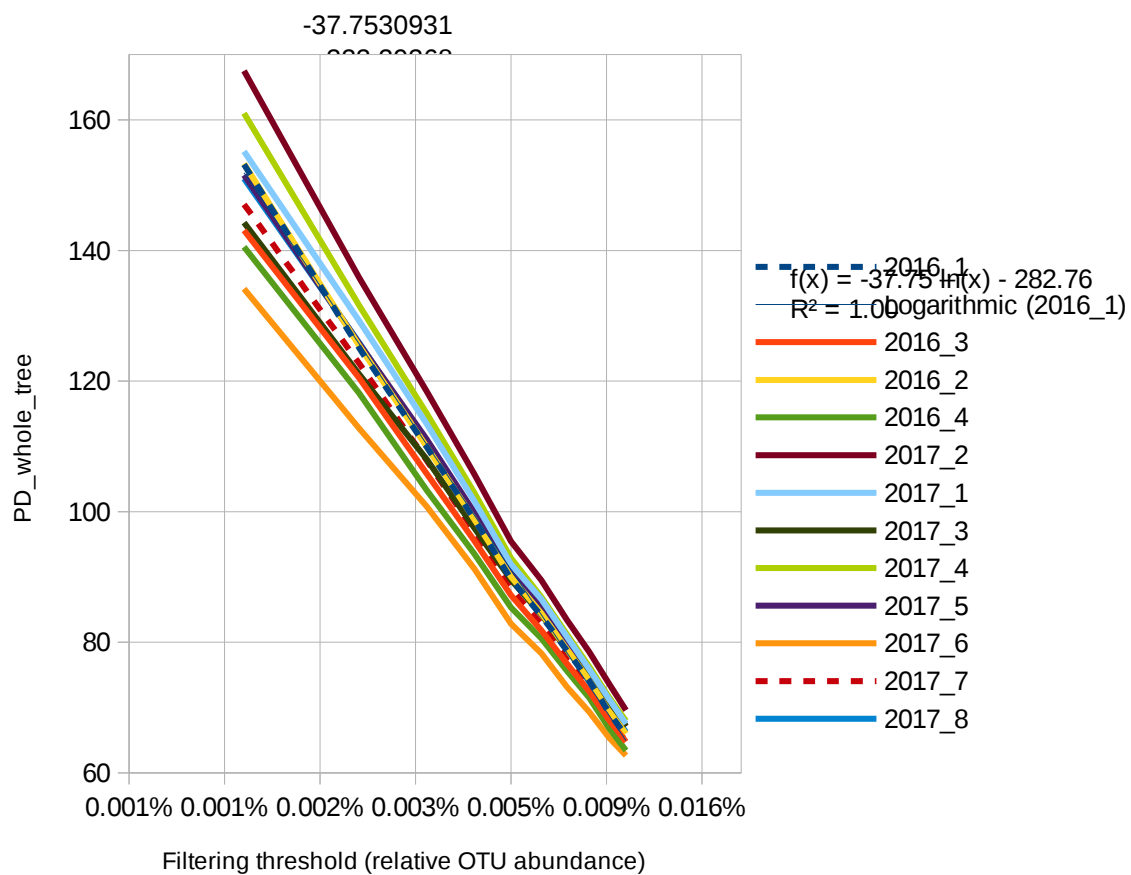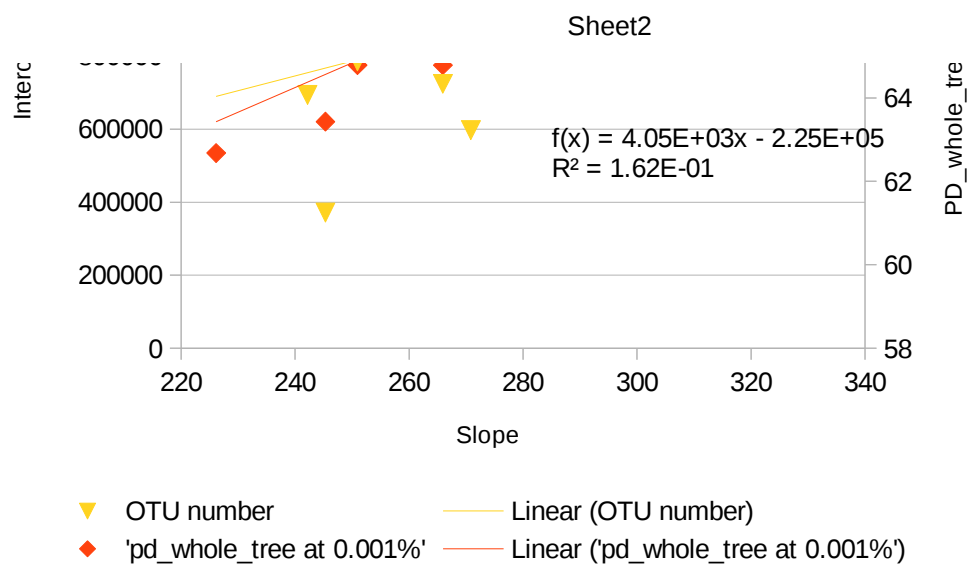
0.006%	0.007%	0.008%	0.009%	0.010%	
84.08533	78.70347	74.12781	69.31631	65.62739	2016_1
81.82777	76.72496	72.49067	68.15071	64.78574	2016_3
84.42973	78.91745	74.15965	69.53299	66.01421	2016_2
80.57416	75.60455	71.5389	66.96885	63.43088	2016_4
89.47895	83.42335	78.55667	73.75898	69.61161	2017_2
86.5889	80.84127	75.91083	71.3894	67.53031	2017_1
84.24151	78.81077	74.662	70.74628	67.14697	2017_3
86.92256	81.20889	76.29865	71.68183	67.97217	2017_4
85.35427	79.93563	75.45909	70.77406	67.10597	2017_5
78.29233	73.14835	69.36329	65.46501	62.67911	2017_6
82.80737	77.28615	72.9766	68.27634	64.78378	2017_7
84.64923	79.32482	74.81873	69.97532	66.24905	2017_8

PD_whole_tree=a*ln(fraction)+b

a(slope)	b(intercept)	rsquare
-37.7530931	282.7590678	0.999125949
-34.24767	250.9450889	0.999610627
-37.7084701	282.1168817	0.999128541
-33.5140845	245.3158544	0.9993987
-42.2899438	321.2143745	0.998380691
-38.2475474	285.1937688	0.999466325
-33.5696251	242.1665683	0.999801897
-40.4132663	305.4715348	0.998950274
-36.6539732	270.8291736	0.999694635
-31.3145985	226.1467301	0.999481966
-35.8745998	265.9234894	0.999683788
-36.8905834	273.8214234	0.999500295

Sheet2