Fitting Zipf-Mandelbrot to our Plantnet300K data				
Data	Log-log Monte-Carlo Parameters (q,z)	Sum of Squares Parameters (q,z)	Max Likelihood Parameters (q,z)	Chi-Square Test
Species	q=99.72 z=2.968	q=128.184870 z=3.226853	q=54.728728 z=2.316119	p-value$\leq$ 0.05
Generas	q=93.94 z=5.794	q=88.702612 z=5.670362	q=48.665262 z=4.025468	p-value $\leq$ 0.05
Sedum	q=55.01 z=8.697	q=41.103004 z=7.327039	q=10.118507 z=3.225868	p-value $\leq$ 0.05
Acacia	q=3.914 z=2.348	q=0.4604511 z=1.7127752	q=-0.4152921 z=1.2907630	p-value $\leq$ 0.05
Trifolium	q=29.84 z=8.335	q=20.117290 z=6.746884	q=2.083111 z=2.325242	p-value $\leq$ 0.05
Hypericum	q=3.289 z=2.96	q=1.020068 z=2.415429	q=0.9065732 z=2.3629735	p-value $\leq$ 0.05
Ophrys	q=26.41 z=8.017	q=20.673044 z=7.003618	q=0.5644951 z=1.6347213	p-value $\leq$ 0.05
Anemone	q=67.92 z=19.32	q=60.17914 z=17.58358	q=25.212686 z=8.597479	p-value = 0.08113
Cirsium	q=6.05 z=4.707	q=4.093379 z=4.097462	q=4.318397 z=4.194845	p-value = 0.0199
Pelargonium	q=3.951 z=4.308	q=1.615840 z=3.316355	q=10.456123 z=8.256656	p-value = 0.004013
Peperomia	q=97.52 z=27.31	q=446.1615 z=115.8806	q=65.90347 z=16.83023	p-value = 0.08212
Lupinus	q=4.017 z=3.796	q=0.000000 z=2.232165	q=-0.1140329 z=2.1409218	p-value = 7.639e-05