Supplementary Table S3: Diversity by species

Species		Na	N	Ne	I	h	uh
V. nonalfalfae		29					
	Mean	2.90	49.70	1.11	0.22	0.09	0.09
	SE	0.31	0.21	0.03	0.04	0.02	0.02
V. alfalfae		21					
	Mean	2.10	5.00	2.01	0.71	0.50	0.62
	SE	0.10	0.00	0.09	0.04	0.02	0.02
V. dahliae		27					
	Mean	2.70	19.90	1.41	0.43	0.22	0.23
	SE	0.42	0.62	0.17	0.12	0.06	0.07

Na = No. of different alleles

N = Size of population

Ne = No. of effective alleles = $1 / (\text{Sum } pi^2)$

I = Shannon's Information Index = $-1 * \text{Sum} (pi * \text{Ln} (pi))$

h = Diversity = $1 - \text{Sum } pi^2$

uh = Unbiased Diversity = $(N / (N-1)) * h$

(Where pi is the frequency of the ith allele for the population & Sum pi^2 is the sum of the squared population allele frequencies.)