

Table S3. Genetic diversity parameters of the *pe_pgrs* genes sequenced in this study (*Wag22* omitted because of its high frequency of disruption or deletion).

		PE_PGRS1	PE_PGRS2	PE_PGRS5	PE_PGRS6	PE_PGRS15	PE_PGRS23	PE_PGRS24	PE_PGRS25	PE_PGRS26
Full length	Nucleotide sequence length	1491	1644	1830	1878	1808	1689	1812	1719	1542
	Number of variable sites	9	11	16	7	7	3	7	10	8
	Number of sites with gaps	189	558	88	504	16	109	48	12	531
	Number of haplotypes	10	6	14	7	8	4	8	12	9
	Haplotype (gene) diversity	0.447	0.272	0.454	0.474	0.56	0.097	0.634	0.797	0.66
	Nucleotide diversity	0.0004	0.00051	0.00042	0.00042	0.00034	0.00006	0.00045	0.00098	0.00089
	dN/dS	1.244623695	4.125	0.872566372	0.650513347	2.017884914	inf	1.253839935	1.639669421	0.766483516
Synonymous SNP	3	2	5	5	2	0	2	2	3	
Nonsynonymous SNP	6	9	11	8	5	4	6	8	6	
PE Domain	PE domain nucleotide sequence length	330	330	330	330	330	330	330	330	330
	Number of polymorphic sites	0	0	2	3	1	0	2	2	3
	Number of haplotypes	1	1	3	4	2	1	3	3	4
	Nucleotide diversity	0	0	0.00014	0.00029	0.00059	0	0.00048	0.00098	0.00066
	dN/dS	0	0	inf	0.764705882	inf	0	0.370833333	inf	0.70781893
	Synonymous SNP	0	0	0	1	0	0	1	0	1
	Nonsynonymous SNP	0	0	2	3	1	0	1	2	1
PGRS Domain (or Unique C-terminal Domain)	PGRS or C-terminal domain nucleotide sequence length	1162	1314	1394	1548	1492	1359	1479	1401	1212
	Number of polymorphic sites	9	10	19	4	6	3	5	8	7
	Number of haplotypes	10	6	16	5	7	4	6	8	7
	Nucleotide diversity	0.00053	0.0007	0.00049	0.00046	0.0004	0.00006	0.00062	0.00098	0.001
	dN/dS	0.838323353	3.767045455	0.32874105	1.244897959	1.645933014	inf	inf	1.26446281	0.797520661
	Synonymous SNP	3	2	5	4	2	0	1	2	2
	Nonsynonymous SNP	6	9	9	5	4	4	5	6	5

		PE_PGRS29	PE_PGRS31	PE_PGRS33	PE_PGRS34	PE_PGRS35	PE_PGRS38	PE_PGRS39	PE_PGRS41	PE_PGRS44
Full length	Nucleotide sequence length	1110	1795	1542	1560	1667	1689	1239	1149	1740
	Number of variable sites	4	12	8	5	5	11	4	7	12
	Number of sites with gaps	1	72	385	12	0	420	0	64	198
	Number of haplotypes	5	13	8	5	6	11	4	8	12
	Haplotype (gene) diversity	0.334	0.365	0.234	0.083	0.243	0.764	0.375	0.488	0.788
	Nucleotide diversity	0.00032	0.00022	0.00032	0.00007	0.00017	0.00153	0.00041	0.00057	0.00111
	dN/dS	0.391194969	1.227591582	0.566255144	1.599274705	1.969063545	0.447587616	0.384787472	0.401298701	0.198455949
Synonymous SNP	2	3	6	4	1	7	2	3	8	
Nonsynonymous SNP	2	9	8	1	5	8	2	3	4	
PE Domain	PE domain nucleotide sequence length	330	330	330	330	330	330	330	330	330
	Number of polymorphic sites	1	2	1	1	1	0	0	1	1
	Number of haplotypes	2	3	2	2	2	1	1	2	2
	Nucleotide diversity	0.00007	0.00026	0.00008	0.00006	0.00006	0	0	0.00033	0.00019
	dN/dS	inf	0.376569038	0	inf	0	0	0	0	0
	Synonymous SNP	0	1	2	0	1	0	0	1	1
	Nonsynonymous SNP	1	1	0	1	0	0	0	0	0
PGRS Domain (or Unique C-terminal Domain)	PGRS or C-terminal domain nucleotide sequence length	780	1551	1212	1230	1347	1359	909	819	1410
	Number of polymorphic sites	3	12	6	4	9	11	4	6	14
	Number of haplotypes	4	13	7	5	5	11	4	7	12
	Nucleotide diversity	0.00042	0.00021	0.00027	0.00007	0.00059	0.002	0.00041	0.00067	0.00136
	dN/dS	0.202898551	0.831417625	2.190226876	1.226327945	inf	0.334832584	0.388379205	0.413207547	0.305944056
	Synonymous SNP	2	8	4	1	0	7	2	2	7
	Nonsynonymous SNP	1	8	8	3	5	8	2	3	4

		PE_PGRS46	PE_PGRS47	PE_PGRS48	PE_PGRS51	PE_PGRS58	PE_PGRS59	PE_PGRS62	LipY
Full length	Nucleotide sequence length	2339	1611	1836	1773	1755	1344	1515	1314
	Number of variable sites	13	10	12	9	10	9	7	5
	Number of sites with gaps	19	34	18	84	225	54	0	0
	Number of haplotypes	12	9	14	10	10	10	8	6
	Haplotype (gene) diversity	0.751	0.579	0.707	0.417	0.636	0.332	0.407	0.467
	Nucleotide diversity	0.00055	0.00077	0.00063	0.00029	0.00076	0.00029	0.000375	0.00052
	dN/dS	0.945331695	0.268452381	0.80883473	3.4831553	0.487741935	0.115905904	2.197106691	inf
Synonymous SNP	4	6	4	1	5	7	1	0	
Nonsynonymous SNP	9	4	8	9	6	2	6	5	
PE Domain	PE domain nucleotide sequence length	330	330	330	330	330	330	330	330
	Number of polymorphic sites	1	4	0	0	1	1	0	1
	Number of haplotypes	2	5	1	1	2	2	1	2
	Nucleotide diversity	0.00008	0.00197	0	0	0.00037	0.00007	0	0.00059
	dN/dS	inf	0.119444444	0	0	inf	inf	0	0
	Synonymous SNP	0	3	0	0	0	0	0	0
	Nonsynonymous SNP	1	1	0	1	1	1	0	1
PGRS Domain (or Unique C-terminal Domain)	PGRS or C-terminal domain nucleotide sequence length	2004	1281	1536	1443	1425	1014	1185	948
	Number of polymorphic sites	10	6	12	9	9	8	7	2
	Number of haplotypes	13	6	14	10	9	9	8	5
	Nucleotide diversity	0.00076	0.00046	0.00077	0.00035	0.00087	0.00037	0.00048	0.00028
	dN/dS	0.860230548	0.413636364	0.824626866	3.097037794	0.336342043	0.060708979	2.182448037	inf
	Synonymous SNP	4	3	4	1	5	7	1	0
	Nonsynonymous SNP	8	3	8	8	5	1	6	4