

Gene designation	Size (bp)	% of amino acid similarity (identity)			Number of alignable stretches*
		PE	PGRS	Whole gene	
PE1 (1767 bp) PE2 (1578 bp)	1767 1578	25 (15)	NA	51 (42)	0
PE3 (1407 bp) PE4 (1509 bp)	1407 1509	68 (52)	NA	67 (53)	0
PE_PGRS12 (414 bp)	414	NA	NA	8 (7)	0
PE_PGRS13 (2250 bp)	2250	25 (17)	50 (45)	39 (34)	0
PE_PGRS14 (2649 bp)	2649	NA	NA	11 (9)	0
PE_PGRS12 (414 bp)					
PE_PGRS16 (2772 bp)	2772				
PE_PGRS17 (996 bp)	996	58 (46)	18 (15)	22 (18)	0
PE_PGRS18 (1374 bp)	1374	98 (97)	59 (57)	68 (67)	2
PE_PGRS16 (2772 bp)		57 (44)	27 (23)	23 (29)	0
PE_PGRS19 (2004 bp) PE_PGRS20 (1392 bp)	2004 1392	40 (027)	56 (53)	59 (54)	1
PE9 (435 bp) PE10 (363 bp)	435 363	NA	NA	26 (16)	0
PE_PGRS21 (2304 bp) PE_PGRS22 (2562 bp)	2304 2562	88 (82)	61 (53)	63 (58)	1
PE_PGRS27 (3990 bp) PE_PGRS27 (2226 bp)	3990 2226	96 (95)	41 (39)	46 (44)	1
PE_PGRS36 (1305 bp) PE21 (174 bp)	1305 174	NA	NA	6 (3)	0
PE_PGRS42 (2085 bp) PE_PGRS43 (4983 bp)	2085 4983	78 (69)	26 (24)	29 (27)	0
PE_PGRS49 (1455 bp) PE_PGRS50 (4617 bp)	1455 4617	22 (18)	20 (18)	24 (22)	0
PE_PGRS53 (4146 bp) PE_PGRS54 (5706 bp)	4146 5706	74 (54)	47 (42)	48 (43)	0
PE_PGRS55 (4146 bp)	2145				
PE_PGRS56 (3240 bp)	3240	22 (13)	42 (38)	40 (35)	0
PE_PGRS57 (4470 bp)	4470	25 (15)	49 (45)	47 (43)	0
PE_PGRS53 (4146 bp)		86 (76)	32 (30)	36 (33)	0
PE_PGRS60 (4146 bp) PE_PGRS61 (4146 bp)	315 588	NA	NA	15 (11)	0