

Table 4. Avh proteins illustrating a similarity transition from ipiO1 to Avr1b

Avh	Pairwise sequence identity*	Group ID [†]	Protein size (aa)	Homolog identity [‡]	Located at syntenic position	Avh domain	Motifs present in the C termini [§]	W-motif sequences
ipiO1	.	AG_5 (19)	152	36		RSLRGDYNNEVTKEPNTSDEER	W (1)	LFTALYKSGETPRSLR TKHL
PsAvr_186	36%	AG_5 (19)	184	36		RHLRGDEMRSAMDFEDDDDDY DDEER	W (1)	LFRWVYKRGETPLSVRTKTMGQKN
PsAvh_189	32%	AG_27 (7)	157	60	Yes	PFLRGDAKKDLTTAGDKTEDE ER	W (1)	AFQHMMKHGETPTTLAKRLEIGGA
PrAvh_5	60%	AG_27 (7)	323	27	Yes	RFLRGDTETDLTTAGSDTDALD AEAEEER	W (1)	AFKHMKNKNGEDPTKLAKRLEIGGA
PrAvh_88	25%	AG_160 (1)	176	0		KFLRGNDNADDSNDEER	W (3)	SFEALVKKGVTPDDDLFAKYGYNEN GFELVKKKGVTPDDDLFAKYGYEHH GFESWLKKGVTPDDDLLEKYSYHY
PsAvh_181	25%	AG_72 (3)	274	32		SSLRYGDLAADENDEER	W (5)	IYNIWVKQKTKDKQIYNLLAQQGN MFRRF---GKSDDEIYKIWKKEQRR INRIWLRVVGKTDEDIYKLLKPKMS LYNLWLQKQKSEKIYNIWLKENV IYAAWFSSTRTPDSVLDLQLQNVYK
PsAvh_157	35%	AG_24 (7)	165	38		RFLRIQEGGEER	W (1) Y(1) L(1)	TLERWVKNKNSPAKVLTRLQLDDA
PrAvh_2	30%	AG_44 (4)	178	28		RFLRSHKNIDFDGEER	W (1)	VFDNWLHLHNKSSATIRDYLNLNK
Avr1b	29%	AG_53 (4)	138	29		RFLRAHEEDDAGER	W (1)	AYEKWAKKGYSLDKIKNWLAIADP

