

> AVR1_ HERB1

MGLMHRVLLLATFALLCMHAKAAGFDHDKVPRTVERGGGARQLRTATMSDDEARVS
KLPSFIESFVKNRKIESWIQNKVTDDFVLSELKLVRLPGTSLADDPNFKLFQKFKIGGW
LEEKATTTKAWENLGLDSLFPDQVSK(I/T)DEFKTYTQYVT(V/A)LNKKASKLDIDQ
WHGLLSGGSPEELMAKAMILRTLGRDVLERRVMLGGHVVPF

> AVR2_ HERB1

MRLAYIFAVMMAGALPYCNALHAAPGAKALKKIKTFPDFAAPSPKDGNRLLRRVDNG
EFEIEEERGFSLKDTLKKNPIKAAVKAKDKAKEVTEKITDADWKKLVEHLKIKGDKR
S

> AVR3a_ HERB1

MRLAIMLSATAVAINFATCSAIDQTKVLVYGTPAHYIHDSAGRLLLRKNEENEETSEE
RAPNFNLANLNEEMFNVAALTKRADAKKLAKQLMGNDKLADAAYIWWQHNRVTLD
QIDTFLKLASRKTQGAKYNQIYNSYLMHLGLTGY

> AVR4_ HERB1

MRS LHILLVFTASLLASL(T/I)ESAKADSLARTVSVVDNVKVKSRFLRAQTDEKNEERA
TITLGDRVVSDKAATKDLLQQLLALGTPLEKVQKQFLNIPQMKTFAELSKHPNWKAL
DKYERMQWQKLKEGETLTFMRLGDRSYSKEKAQEQLLRWVAQKKPVESVYDDLQV
AGFAHNTVAARQNW RAYIMYDKWFTAASQMQRNPQQYAKFGTGYHSEQKTTEVFE
KWAMEGTHIKSVITTLKLNGKSASEMANNENFPALLKYVKLYLDFKPFRDLNAKSRL
QARRPIS

Heterozygous position are marked in red. The details are described in Table 5.