

Article

Phage displayed domain antibodies (dAb) for detection of allergenic pistachio proteins in foods

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Supplementary material

Table S1. Peptides identified by MALDI-TOF/TOF from electrophoretic bands recognised by the PVF4 phage-dAb in the pistachio extract (T) and in the chromatographic fractions 4, 6 and 8.

Lane	Protein identification	Accession number	Sequence coverage	Total score	Ion scores	Peptide sequences
T	11S globulin [<i>Pistacia vera</i>]	gi 156001070	45 %	179		R.FQTQCQIQNLNALEPKR.R R.RIESEAGVTEFWDQNEEQLQCANVAVFR.H R.SQQSGEQHQK.V K.LVLVALADVGNSENQLDQYLR.K K.LNINDPSRADVYNPR.G R.VTSINALNLPILR.F R.FLQLSVEK.G K.GVLYQNAIMAPHWNMNAHSIVYITR.G R.MQIVSENGESVFDEEIR.E R.EGQLVVVPQNFVAVVKR.A K.RASSDGFVWVSFK.T R.GLPLDVIQNSFDIRDAWNLK.E R.SEMTIFAPGSR.S
4	11S globulin [<i>Pistacia vera</i>]	gi 156001070	22 %	217	89	K.LNINDPSRADVYNPR.G R.VTSINALNLPILR.F R.FLQLSVEK.G R.MQIVSENGESVFDEEIR.E R.EGQLVVVPQNFVAVVKR.A K.RASSDGFVWVSFK.T R.GLPLDVIQNSFDIR.E R.SEMTIFAPGSR.S
6	11S globulin [<i>Pistacia vera</i>]	gi 156001070	30 %	130	73	K.LNINDPSR.A R.FLQLSVEK.G R.ADVYNPRGGR.V R.SQQSGEQHQK.V R.SEMTIFAPGSR.S R.ASSDGFVWVSFK.T R.SQQSGEQHQKVR.H R.VTSINALNLPILR.F R.EGQLVVVPQNFVAVVKR.R R.GLPLDVIQNSFDIR.E K.LNINDPSRADVYNPR.G R.EGQLVVVPQNFVAVVKR.A R.FQTQCQIQNLNALEPKR.R R.MQIVSENGESVFDEEIR.E R.FQTQCQIQNLNALEPKR.R R.GLPLDVIQNSFDIRDAWNLK.E
8	11S globulin [<i>Pistacia vera</i>]	gi 156001070	25 %	276	47 64 114	R.SERSQQSGEQHQK.V K.LNINDPSR.A K.LNINDPSRADVYNPR.G R.VTSINALNLPILR.F R.FLQLSVEK.G R.MQIVSENGESVFDEEIR.E R.EGQLVVVPQNFVAVVKR.A R.ASSDGFVWVSFK.T R.GLPLDVIQNSFDIR.E R.SEMTIFAPGSR.S