

Annexe I : Liste des pics émis par la fragmentation des protéines et signaux attribuables au support (silicium)

Tableau V : Pics émis par la fragmentation des protéines et signaux attribuables au wafer de silicium [41]

Fragment	m/z	Acide aminé / Support	Fragment	m/z	Acide aminé / Support
Si ⁺	28	Support de Silicium	C ₄ H ₆ NO ⁺	84	Gln, Glu
CH ₂ N ⁺	28	Ala, Arg, Asn, Glu, Gly, Leu, Ser, Trp	C ₅ H ₁₀ N ⁺	84	Leu, Lys
			C ₅ H ₁₂ N ⁺	86	Ile, Leu
CH ₄ N ⁺	30	Gly, Arg, Asn, Glu, Leu, Lys, Ser	C ₃ H ₄ NO ₂ ⁺	86	Asp
			C ₃ H ₇ N ₂ O ⁺	87	Asn
CH ₃ Na ⁺	38	Asp	C ₃ H ₆ NO ₂ ⁺	88	Asn, Asp
C ₂ H ₄ N ⁺	42	Ala, Gly, His, Leu, Ser	C ₇ H ₇ ⁺	91	Phe, Tyr
CH ₃ N ₂ ⁺	43	Arg	C ₄ H ₄ NO ₂ ⁺	98	Asn
C ₂ H ₃ O ⁺	43	Glu	C ₄ H ₁₀ N ₃ ⁺	100	Arg
C ₂ H ₆ N ⁺	44	Ala, Asn, Leu	C ₄ H ₁₁ N ₃ ⁺	101	Arg
CH ₄ N ₂ ⁺	44	Arg	C ₄ H ₈ NO ₂ ⁺	102	Glu
SiOH ⁺	45	Support de Silicium	C ₄ H ₈ NS ⁺	102	Met
CHS ⁺	45	Cys	C ₆ H ₁₆ N ⁺	102	Trp
CH ₃ S ⁺	47	Cys	C ₄ H ₁₀ NS ⁺	104	Met
C ₃ H ₄ N ⁺	54	His	C ₇ H ₇ O ⁺	107	Tyr
C ₃ H ₆ N ⁺	56	Lys, Met, Val	C ₅ H ₆ N ₃ ⁺	108	His
C ₃ H ₈ N ⁺	58	Glu	C ₅ H ₈ N ₃ ⁺	110	His, Arg
C ₂ H ₄ NO ⁺	58	Ser	C ₆ H ₁₀ NO ⁺	112	Arg
CH ₅ N ₃ ⁺	59	Arg	C ₅ H ₁₀ N ₃ ⁺	112	Arg
C ₂ H ₆ NO ⁺	60	Ser	C ₄ H ₇ N ₂ O ₂ ⁺	115	Gly
C ₂ H ₅ S ⁺	61	Met	C ₈ H ₈ N ⁺	118	Phe
C ₄ H ₆ N ⁺	68	Pro, Lys	C ₈ H ₁₀ N ⁺	120	Phe
C ₄ H ₅ O ⁺	69	Thr	C ₅ H ₁₁ N ₄ ⁺	127	Arg
C ₃ H ₄ NO ⁺	70	Asn	C ₅ H ₁₃ N ₄ ⁺	129	Arg
C ₄ H ₈ N ⁺	70	Pro, Val	C ₉ H ₈ N ⁺	130	Trp
C ₃ H ₃ O ₂ ⁺	71	Ser	C ₉ H ₇ O ⁺	131	Phe
C ₄ H ₁₀ N ⁺	72	Val	C ₉ H ₈ O ⁺	132	Phe
C ₂ H ₇ N ₃ ⁺	73	Arg	C ₈ H ₈ NO ⁺	134	Tyr
C ₃ H ₈ NO ⁺	74	Thr	C ₈ H ₁₀ NO ⁺	136	Tyr
C ₂ H ₆ NS ⁺	76	Cys	C ₁₀ H ₁₁ N ⁺	145	Trp
C ₆ H ₅ ⁺	77	Phe, Tyr	C ₅ H ₁₁ NO ₂ S ⁺	150	Met
C ₄ H ₅ N ₂ ⁺	81	His	C ₁₀ H ₁₁ N ₂ ⁺	159	Trp
C ₄ H ₆ N ₂ ⁺	82	His	C ₉ H ₁₂ NO ₂ ⁺	166	Phe
C ₅ H ₇ O ⁺	83	Val	C ₁₁ H ₈ NO ⁺	170	Trp