

Table 1. Proteomics results on membrane thread 1902-1-257 D, Italy, 14th century

Collagen proteins		257-D		Cow membrane + silver	
Accession # in Uniprot	Protein name	%	#	%	#
sp P02465 CO1A2_BOVIN	COL1A2	62	74	66	78
sp P02453 CO1A1_BOVIN	COL1A1	64	93	64	92
tr Q08E14 Q08E14_BOVIN	COL3A1	48	84	49	67
tr E1BI98 E1BI98_BOVIN	COL6A1	13	11	31	22
tr F1MKG2 F1MKG2_BOVIN	COL6A2	10	10	21	18
tr E1BB91 E1BB91_BOVIN	COL6A3	7	15	21	41
tr F1MSR8 F1MSR8_BOVIN	COL2A1	12	12	11	10
tr L8IZS5 L8IZS5_9CETA	COL5A2	9	8	9	11
tr G3MZI7 G3MZI7_BOVIN	COL5A1			7	11
tr F1N7Q7 F1N7Q7_BOVIN	COL4A2	1	1	8	7
tr E1BA17 E1BA17_BOVIN	COL14A1			6	6
sp Q7SIB2 CO4A1_BOVIN	COL4A1	1	2	3	3
tr F1MJQ6 F1MJQ6_BOVIN	COL5A3	1	1	1	1
tr L8IHA8 L8IHA8_9CETA	COL6A5			1	2
tr F1N0K0 F1N0K0_BOVIN	COL11A1	1	1	3	4
tr F1MRP6 F1MRP6_BOVIN	COL11A2	1	1	1	2
Non-collagen proteins		257-D		Cow membrane + silver	
Accession # in Uniprot	Protein name	%	#	%	#
	<i>Extracellular matrix proteins</i>				
sp P21809 PGS1_BOVIN	Biglycan	6	2	3	1
sp P21793 PGS2_BOVIN	Decorin			41	17
sp P19427 DERM_BOVIN	Dermatopontin	4	1	9	2
sp P11116 LEG1_BOVIN	Galectin			42	7
sp Q05443 LUM_BOVIN	Lumican	11	3	21	7
tr G3N088 G3N088_BOVIN	Mimecan	5	2	29	11
tr F1MER7 F1MER7_BOVIN	Heparan sulfate proteoglycan	1	3	5	12
tr A6QQQ3 A6QQQ3_BOVIN	Prolargin	3	1	36	13
	<i>Cytoskeletal proteins</i>				
sp Q5EA61 KCRB_BOVIN	Creatine kinase B-type			65	24
tr F1N169 F1N169_BOVIN	Filamin A	2	5	55	106
tr E1BE25 E1BE25_BOVIN	Filamin C	1	2	20	35
sp P02584 PROF1_BOVIN	Profilin-1			57	6
tr E1BIS6 E1BIS6_BOVIN	Synemin	3	6	20	23
tr F2Z4C1 F2Z4C1_BOVIN	Tubulin alpha chain	6	2	26	8
sp P48616 VIME_BOVIN	Vimentin			48	20
	<i>Smooth muscle proteins</i>				
sp Q5E9B5 ACTH_BOVIN	Actin, gamma-enteric	32	20	88	44
tr A4ZZF8 A4ZZF8_BOVIN	Alpha-actinin	2	1	24	16
sp Q2HJ38 CNN1_BOVIN	Calponin-1	3	1	69	19
sp O62654 DESM_BOVIN	Desmin	29	13	68	44

tr F1MYM9 F1MYM9_BOVIN	Myosin heavy chain 11	6	10	42	77
tr L8I2Q9 L8I2Q9_9CETA	Myosin light polypeptide 6	5	1	69	11
tr A1L5B0 A1L5B0_BOVIN	Myosin light polypeptide 9	7	1	70	13
sp Q9TS87 TAGL_BOVIN	Transgelin			51	11
<i>Blood cells and plasma proteins</i>					
tr D4QBB3 D4QBB3_BOVIN	Hemoglobin beta			48	5
sp P01966 HBA_BOVIN	Hemoglobin subunit alpha			42	3
<i>Others</i>					
tr Q58DP7 Q58DP7_BOVIN	Heat shock 27kDa	9	2	74	11
tr F2Z4J1 F2Z4J1_BOVIN	Histone H2A			28	4
tr F1N453 F1N453_BOVIN	Histone H2B	7	1	33	4
sp Q5E9F8 H33_BOVIN	Histone H3			41	6
tr E1BLC2 E1BLC2_BOVIN	Histone H4	8	1	29	3
tr Q2KJC7 Q2KJC7_BOVIN	Periostin	2	1	15	6

Table 2. Proteomics results on membrane thread 1943-20-1B, Spain, 13th century

Collagen proteins		20-1B	
Accession # in NCBI	Protein name	%	#
XP_017920382.1 PREDICTED: isoform X1 [Capra hircus]	COL1A1	57	99
XP_005678993.1 PREDICTED [Capra hircus]	COL1A2	56	65
XP_005675926.1 PREDICTED [Capra hircus]	COL3A1	41	48
Non-collagen proteins		20-1B	
Accession # in Uniprot	Protein name	%	#
sp P00698 LYSC_CHICK OS=Gallus gallus	Lysozyme C	32	4
tr A0A2H4Y814 A0A2H4Y814_CHICK OS=Gallus gallus	Ovalbumin	74	42
tr A0A2H4Y7V4 A0A2H4Y7V4_CHICK OS=Gallus gallus	Ovalbumin	74	39
tr A0A2H4Y816 A0A2H4Y816_CHICK OS=Gallus gallus	Ovalbumin	69	35
tr A0A2H4Y8F0 A0A2H4Y8F0_CHICK OS=Gallus gallus	Ovalbumin	74	37
tr A0A2H4Y7W1 A0A2H4Y7W1_CHICK OS=Gallus gallus	Ovalbumin	70	36
tr A0A2H4Y7U4 A0A2H4Y7U4_CHICK OS=Gallus gallus	Ovalbumin	70	36
tr A0A2H4Y8D1 A0A2H4Y8D1_CHICK OS=Gallus gallus	Ovalbumin	67	39
tr A0A2H4Y8G2 A0A2H4Y8G2_CHICK OS=Gallus gallus	Ovalbumin	62	36
tr A0A2H4Y882 A0A2H4Y882_CHICK OS=Gallus gallus	Ovalbumin	68	39
tr I0J178 I0J178_CHICK OS=Gallus gallus	Ovalbumin	5	3
tr A0A1D5P4L7 A0A1D5P4L7_CHICK OS=Gallus gallus	Ovotransferrin	6	4
tr I0J171 I0J171_CHICK OS=Gallus gallus	Ovoglobulin	8	3