

Cross sections for singly-protonated peptides from tryptic digests^a

Number of residues	Assigned sequence ^b	Peptide source ^c	MW ^d	Cross section (Å ²) ^e		Number of measurements ^f
2	AK	gludehy_bov	217.28	87.01		1
2	AR	lactotrans_bov	245.29	93.79		1
2	EK	albu_pig	275.31	97.89	(1.14)	9
		alcodehy_yst				
		BSA				
2	ER	albu_dog	303.33	102.02	(0.65)	6
		albu_horse				
2	FK	albu_pig	293.37	101.74	(1.00)	3
		HSA				
2	FR	canhyd_bov	321.39	111.10	(0.03)	2
2	HK	cytc_horse	283.30	98.96	(0.76)	6
		bcas_bov				
		crephos_rab				
2	IR	conalb_chick	287.37	106.73		1
2	KK	canhyd_bov	274.37	97.40	(0.60)	3
		cytc_horse				
2	LK	albu_horse	259.36	100.92	(2.59)	11
		albu_pig				
		albu_sheep				
		HSA				
		transfr_hum				
		tryps				
2	LR	hb_dog	287.37	110.03	(1.44)	19
		albu_sheep				
		BSA				
		crephos_rab				
		hb_bov				
		hb_hum				
		hb_pig				
		hb_sheep				
2	NR	canhyd_bov	288.31	101.76	(1.49)	5
		gludehy_bov				
		lys_tew				
2	QR	albu_pig	302.34	104.07	(1.92)	7
		albu_sheep				
		BSA				
2	RP	transfr_hum	271.33	96.48	(2.22)	2
2	SK	aldol_rab	233.27	88.57		1

2	TK	blacto_bov	247.30	92.76	(0.86)	2
2	TR	gludehy_bov	275.32	100.59	(1.09)	3
2	VK	bcas_bov	245.33	93.56	(1.37)	7
		enolase_yst				
		gludehy_bov				
		hb_pig				
		hb_sheep				
2	VR	conalb_chick	273.34	104.93	(2.94)	3
2	YH	hb_bov	318.34	105.75	(1.10)	11
		hb_dog				
		hb_hum				
		hb_pig				
		hb_sheep				
2	YK	crephos_rab	309.37	104.66	(2.10)	4
		HSA				
2	YR	hb_bov	337.39	110.63	(1.16)	13
		hb_dog				
		hb_hum				
		hb_pig				
		hb_sheep				
3	ADR	transfr_hum	360.38	123.31	(0.68)	2
3	AFK	albu_dog	364.45	121.15	(1.45)	8
		albu_pig				
		HSA				
3	ALK	alcodehy_yst	330.43	116.85	(1.95)	4
		blacto_bov				
3	APR	lactotrans_bov	342.4	113.05	(1.78)	3
3	ATK	HSA	318.38	103.25		1
3	AVK	albu_horse	316.41	110.53	(0.76)	3
3	CEK	kcas_bov	378.45	124.58		1
3	CRR	lactotrans_bov	433.54	137.86	(0.38)	2
3	DER	kcas_bov	418.41	123.18	(3.30)	3
3	EFK	albu_horse	422.49	134.38	(0.88)	3
3	FDK	blacto_bov	408.46	127.82	(0.54)	2
3	FGK	lactotrans_bov	350.43	116.66	(1.41)	2
3	FPK	albu_pig	390.49	123.14	(0.85)	8
		albu_sheep				
		BSA				
3	FYR	aldol_rab	484.56	147.93	(1.34)	3
3	GER	crephos_rab	360.38	116.82	(0.34)	3
3	GKK	cytc_horse	331.40	111.71	(1.19)	3
3	GWK	alcodehy_yst	389.46	123.70	(1.18)	3
3	HFK	albu_horse	430.51	133.96	(1.01)	3

3	HLK	myo_horse	396.50	133.05	(0.71)	2
3	HPK	crephos_rab	380.45	123.77	(2.63)	3
3	IAK	albu_horse	330.43	113.56	(1.50)	6
		kcas_bov				
3	IEK	bcas_bov	388.47	127.42	(0.54)	3
3	INK	bcas_bov	373.46	122.09	(0.19)	3
3	ITK	albu_horse	360.46	118.89	(1.19)	2
3	KLR	crephos_rab	415.54	139.37	(1.45)	3
3	LAK	albu_dog	330.43	118.08	(1.19)	5
		enolase_yst				
3	LFK	myo_sw	406.53	130.29		1
3	LVK	albu_sheep	358.49	127.00	(1.69)	3
3	MEK	alcodehy_yst	406.50	126.51	(3.22)	2
3	NLR	lactotrans_bov	401.47	132.47	(2.00)	6
		transfr_hum				
3	NYK	albu_pig	423.48	133.47	(1.39)	2
3	QIK	albu_horse	387.49	129.74	(1.13)	5
		albu_sheep				
		BSA				
3	QVR	canhyd_bov	401.47	131.12	(1.87)	2
3	SIK	crephos_rab	346.46	116.59	(0.35)	2
3	TGR	crephos_rab	332.37	109.48	(2.51)	3
3	TVR	transfr_hum	374.45	122.49	(0.85)	3
3	VHK	albu_sheep	382.47	123.04	(1.57)	2
3	VTK	albu_sheep	346.43	114.24	(0.79)	2
3	YTK	albu_dog	410.48	126.96	(1.08)	9
		albu_horse				
		albu_pig				
		HSA				
3	YTR	albu_sheep	438.49	131.96	(0.97)	6
		BSA				
3	YVR	alcodehy_yst	436.52	140.16		1
4	ADEK	albu_sheep	461.48	138.92	(1.61)	4
		BSA				
4	ADTR	alcodehy_yst	461.48	141.34		1
4	AGIK	cytc_horse	387.50	130.20	(0.42)	2
4	AHGK	hb_bov	411.47	133.57	(1.15)	15
		hb_dog				
		hb_pig				
		hb_rab				
		hb_sheep				
		hb_hum				
4	ANVK	hb_pig	430.51	136.46	(1.52)	3

4	APPK	conalb_chick	411.51	131.96		1
4	AQEK	lactotrans_bov	474.50	141.97	(0.52)	2
4	ATNE	cytc_horse	433.43	128.33		1
4	AVEK	crephos_rab	445.52	141.29	(1.64)	3
4	AVLK	canhyd_bov	429.57	145.63	(0.35)	2
4	AVSK	enolase_yst	403.49	132.83	(1.99)	3
4	DAHK	HSA	469.51	143.45		1
4	DLTK	conalb_chick	475.55	147.56	(1.64)	3
4	DTHK	albu_sheep	499.53	142.74	(1.62)	5
		BSA				
4	DTYK	albu_pig	525.57	150.51	(1.36)	3
4	EAYK	albu_dog	509.57	148.42	(0.47)	3
4	ENLK	aldol_rab	502.58	150.35	(1.73)	2
4	EVFR	crephos_rab	549.63	157.46	(2.83)	3
4	EVVR	acas_bov	501.59	148.81	(0.11)	2
4	FGAK	gludehy_bov	421.50	134.34	(0.96)	3
4	FGDR	albu_dog	493.53	144.12	(0.44)	3
4	FGER	albu_pig	507.55	148.17	(0.18)	3
4	FLGK	albu_horse	463.58	152.63	(0.74)	3
4	FWGK	albu_pig	536.64	160.46	(0.50)	8
		albu_sheep				
		BSA				
4	GFPK	canhyd_bov	447.54	141.49	(0.20)	2
4	GGIR	gludehy_bov	401.47	129.69	(0.50)	3
4	GHGK	hb_hum	397.44	129.51	(1.12)	2
4	GILA	albu_pig	372.47	123.99	(0.99)	2
4	GILR	gludehy_bov	457.58	148.38	(0.66)	3
4	GLVK	alcodehy_yst	415.54	141.97	(1.46)	3
4	GNVK	hb_bov	416.49	134.17	(1.11)	3
4	GTDK	apotransf_bov	419.44	128.01		1
4	GVFR	enolase_yst	477.57	146.75	(0.83)	3
4	HKPK	albu_horse	508.63	149.94	(2.10)	6
		BSA				
4	IPSK	apotransf_bov	443.55	139.78	(1.80)	4
		lactotrans_bov				
4	KIEK	bcas_bov	516.65	155.03	(0.24)	3
4	LEHK	alcodehy_yst	525.61	154.49		1
4	LHDR	transfr_hum	539.60	157.14	(0.75)	3
4	LLSK	lactotrans_bov	459.59	155.26	(0.63)	3
4	LNK	crephos_rab	536.64	163.88	(1.09)	2
4	LSQK	albu_horse	474.57	149.68	(1.08)	9
		albu_sheep				
		BSA				

4	LSQR	albu_dog	502.58	154.85	(1.16)	9
		albu_pig				
		HSA				
4	LTFK	gludehy_bov	507.64	161.05	(0.27)	3
4	MDAK	transfr_hum	463.56	135.56	(0.42)	3
4	NFGK	hb_bov	464.53	137.95	(0.76)	4
4	NLGK	HSA	430.51	132.68		1
4	QIMR	gludehy_bov	546.69	159.34		1
4	Ac-QRLK	HSA	585.71	163.41		1
4	SETK	lactotrans_bov	463.50	155.20		1
4	SLGK	BSA	403.49	132.39	(1.82)	3
4	SLTK	enolase_yst	447.54	143.99	(0.30)	3
4	SNVK	hb_sheep	446.51	136.52	(0.23)	3
4	SPIK	alcodehy_yst	443.55	136.08	(0.90)	3
4	TNIK	hb_dog	474.57	144.91	(0.63)	5
		hb_rab				
4	TNVK	hb_hum	460.54	141.41	(0.17)	3
4	VGTK	albu_dog	403.49	131.69	(0.66)	3
4	VGTR	BSA	431.50	136.71	(2.06)	3
4	VYAR	enolase_yst	507.60	157.06	(0.93)	3
4	WMGK	enolase_yst	520.65	152.87	(0.55)	3
4	WQWR	lactotrans_bov	674.77	176.44	(0.68)	3
4	YLHR	gludehy_bov	587.69	171.66	(3.96)	2
4	YTKK	HSA	538.65	155.28		1
5	AAWGK	hb_bov	531.62	157.36	(1.02)	13
		hb_hum				
		hb_pig				
		hb_sheep				
5	ADLAK	albu_dog	516.60	159.31	(1.06)	9
		albu_sheep				
		BSA				
5	AFDEK	BSA	608.66	168.36	(0.44)	3
5	AIAEK	lactotrans_bov	530.63	160.73	(1.84)	3
5	APNAK	glox_aspgn	499.57	147.31	(0.98)	2
5	AWGGK	aldol_rab	517.59	152.16	(2.53)	3
5	CLVEK	transfr_hum	590.74	170.73		1
5	DIAAK	myo_sw	516.60	155.37	(2.98)	3
5	DLLFK	apotransf_bov	634.78	183.11	(3.14)	12
		conalb_chick				
		lactotrans_bov				
		transfr_hum				
5	FFSDK	kcas_bov	642.72	172.73	(2.52)	3
5	Ac-GDVEK	cytc_horse	588.62	163.18	(1.29)	2

5	GGNMK	crephos_rab	505.60	147.44	(1.24)	2
5	GITWK	cytc_horse	603.70	169.34	(0.58)	3
5	GTFAK	hb_dog	522.61	153.97	(0.91)	9
		hb_pig				
		hb_rab				
5	HPEAK	HSA	580.65	163.89		1
5	IDAMR	albu_sheep	604.73	172.80	(0.75)	3
5	IEHLR	albu_pig	666.79	181.70	(0.16)	3
5	IETMR	BSA	648.78	181.29	(0.81)	3
5	IFLER	gludehy_bov	676.82	191.86	(0.96)	3
5	IFVQK	cytc_horse	633.80	181.96	(0.51)	3
5	IIAEK	blacto_bov	572.71	172.54	(0.50)	3
5	KATNE	cytc_horse	561.60	153.95	(0.28)	3
5	KFWGK	BSA	664.81	185.85		1
5	KNQDK	kcas_bov	631.69	168.54	(3.29)	3
5	KVYGR	lys_tew	621.74	175.06	(2.80)	2
5	LDALK	albu_horse	558.68	172.36	(1.48)	3
5	LDELR	HSA	644.73	181.93	(0.96)	2
5	LHSMK	acas_bov	614.77	169.24	(1.22)	2
5	LNELR	apotransf_bov	643.75	182.27	(1.13)	3
5	NLNEK	transfr_hum	616.68	167.97	(0.94)	3
5	NRQVR	canhyd_bov	671.76	175.89		1
5	NTYEK	transfr_hum	653.70	175.90	(2.66)	3
5	SVDGK	lactotrans_bov	504.55	150.56		1
5	TAWEK	hb_rab	633.71	170.03	(1.25)	3
5	TGQIK	enolase_yst	545.64	157.62	(0.28)	3
5	TLTGK	ubiq	518.62	157.34	(2.11)	2
5	TPGSK	lys_tew	488.55	145.50	(1.17)	2
5	TVGGK	apotransf_bov	460.54	140.18	(3.52)	2
5	VASLR	BSA	544.66	163.70	(0.92)	3
5	VATLR	albu_sheep	558.69	166.85	(0.49)	3
5	YYPLK	crephos_rab	682.82	187.31	(0.38)	2
6	AAAAEK	enolase_yst	559.63	160.38	(1.06)	2
6	AKIQDK	ubiq	701.83	180.72		1
6	ALELFR	myo_horse	747.90	202.99	(0.33)	3
6	ANIDVK	enolase_yst	658.76	176.78	(0.76)	3
6	ASEDLK	myo_sw	661.72	175.16	(0.58)	3
6	AVGNLR	transfr_hum	628.74	172.89	(0.27)	3
6	AWSVAR	albu_dog	688.79	185.37	(0.81)	11
		albu_horse				
		albu_sheep				
		BSA				
6	EAMAPK	bcas_bov	645.78	176.19	(1.24)	2

6	EDLIAY	cytc_horse	722.80	191.70	(0.29)	3
6	ELEDFK	gludehy_bov	779.85	198.28		1
6	ELGFQG	myo_horse	649.71	172.29	(0.14)	3
6	EMPFPK	bcas_bov	747.91	193.26	(1.43)	3
6	FVIEIR	albu_pig	775.95	207.16	(0.16)	3
6	GGVHVK	crephos_rab	595.71	167.11		1
6	GQIVGR	alcodehy_yst	628.74	173.63	(0.70)	3
6	GVPTKK	glox_aspgn	628.78	178.28	(0.28)	2
6	HLDDLK	hb_bov	739.83	193.90	(0.71)	7
		hb_sheep				
6	HLDNLK	hb_pig	738.85	196.18	(1.17)	3
6	HPEAKR	HSA	736.84	197.52		1
6	IEEIFK	crephos_rab	777.92	197.00	(2.97)	3
6	ISATGR	gludehy_bov	603.68	169.18	(0.75)	3
6	IVAPGK	aldol_rab	583.74	173.33	(1.17)	3
6	LIFAGK	ubiq	647.83	186.10	(1.58)	2
6	LNQLLR	enolase_yst	755.92	204.97	(0.46)	3
6	LVEDLK	gludehy_bov	715.85	192.17	(1.05)	2
6	MQIFVK	ubiq	764.99	203.90	(0.59)	2
6	NDIAAK	myo_horse	630.70	173.78	(0.84)	3
6	NLDNLK	hb_dog	715.81	192.40	(0.69)	3
6	NVPLYK	enolase_yst	732.89	195.27	(0.90)	3
6	NYAEAK	HSA	694.75	181.87		1
6	NYQEAK	albu_dog	751.80	191.16	(0.92)	8
		albu_sheep				
		BSA				
6	QCSTSK	apotransf_bov	652.73	171.10		1
6	QLEDGR	ubiq	716.76	186.94		1
6	QTIASN	trys	632.68	170.79		1
6	SEIAHR	albu_horse	711.78	181.53	(0.71)	11
		albu_pig				
		albu_sheep				
		BSA				
		albu_pig				
		albu_sheep				
6	SEVAHR	HSA	697.76	177.66	(2.46)	3
6	SGIQVR	trys	658.76	178.36		1
6	SKKTAK	conA	661.81	168.94		1
6	SVYDSR	enolase_yst	725.76	184.17		1
6	TEAEMK	myo_horse	707.80	182.54	(2.25)	5
		myo_sw				
6	TGAPAR	enolase_yst	571.64	162.57	(1.27)	3
6	TGPNLH	cytc_horse	637.70	164.29	(0.30)	3

6	TPVSEK	albu_horse	659.74	175.98	(0.73)	5
		BSA				
6	VKAH GK	hb_dog	638.78	165.87		1
6	YDLDFK	enolase_yst	799.89	201.01		1
6	YIPGTK	cytc_horse	677.80	183.75		1
6	YLTTLK	lactotrans_bov	737.90	197.94	(0.70)	3
7	AACLLPK	HSA	714.93	194.76		1
7	AAGHDGK	enolase_yst	654.69	170.18	(2.14)	2
7	ALPMHIR	blacto_bov	837.06	213.70	(1.22)	3
7	APVDAFK	lactotrans_bov	746.87	189.05	(0.76)	3
7	ASEDLKK	myo_horse	789.89	196.81	(0.17)	3
7	ATDEQLK	albu_sheep	803.87	205.89	(0.16)	2
7	ATEEQLK	BSA	817.90	206.40	(1.81)	2
7	AVPYPQR	bcas_bov	829.96	202.81	(0.47)	2
7	DGADFAK	aldol_rab	722.76	185.83	(0.90)	3
7	DSAIMLK	conalb_chick	776.95	203.77	(1.32)	3
7	DTLQQR	conalb_chick	888.94	206.76	(0.37)	3
7	ELTEFAK	albu_sheep	836.95	209.40	(0.69)	2
7	EVTEFAK	albu_pig	822.92	202.91	(0.29)	3
7	FGERAFK	HSA	853.98	218.63	(1.78)	3
7	FNDLGEK	albu_horse	821.89	206.73	(1.10)	3
7	GDVAFVK	apotransf_bov	734.86	200.45	(1.77)	8
		conalb_chick				
		transfr_hum				
7	GFFYTPK	ins_bov	859.00	221.88		1
7	GGVVGK	aldol_rab	628.78	175.87	(0.62)	3
7	GPFPIIV	bcas_bov	741.94	195.69	(0.70)	3
7	GVLHAVK	enolase_yst	722.89	198.60	(0.42)	3
7	HLADLSK	enolase_yst	782.90	201.78	(0.62)	3
7	HNNHMAK	crephos_rab	850.96	207.15	(4.31)	2
7	IATAIEK	enolase_yst	744.89	202.92	(0.37)	3
7	ILLSSAK	albu_horse	730.91	202.97	(0.75)	3
7	ISQRYQK	acas_bov	922.06	225.85		1
7	IVTDLAK	albu_pig	758.92	204.75	(1.40)	3
7	IVTDLTK	albu_horse	788.95	207.02	(0.28)	3
7	LGLVGSR	albu_pig	700.84	194.18	(0.27)	2
7	LMVEMEK	crephos_rab	879.10	220.91		1
7	LSQRFPK	HSA	875.05	225.29	(1.46)	2
7	LVTDLTK	BSA	788.95	205.76	(0.98)	6
		HSA				
7	MIFAGIK	cytc_horse	779.00	207.13	(0.39)	3
7	MLTAEEK	hb_bov	820.96	209.77	(0.59)	6
		hb_sheep				

7	NPDPWAK	transfr_hum	826.91	198.09	(0.38)	3
7	PIANGER	canhyd_bov	755.84	201.77		1
7	Ac-SIPETQK	alcodehy_yst	843.94	205.88	(1.31)	3
7	TFAEALR	enolase_yst	806.92	209.98	(0.52)	3
7	VAAALTK	hb_bov	672.83	190.32	(0.73)	7
		hb_sheep				
7	VADALTK	hb_pig	716.84	194.69	(1.73)	3
7	VDPVNFK	hb_dog	817.95	208.73	(0.91)	12
		hb_bov				
		hb_hum				
7	VLAAVYK	aldol_rab	762.95	206.91	(1.08)	3
7	VLISSAR	albu_sheep	702.82	195.27	(0.36)	3
7	VLPVPQK	bcas_bov	779.99	206.94	(0.57)	3
7	VLSAADK	hb_bov	702.81	193.03	(1.28)	10
		hb_pig				
		hb_sheep				
7	VLSPADK	hb_dog	728.85	196.51	(1.02)	8
		hb_hum				
		hb_rab				
7	VLTSAAK	albu_pig	688.83	194.37	(0.13)	3
7	VSEALTK	hb_rab	746.87	198.59	(2.27)	3
7	VVTDLTK	albu_dog	774.92	202.35	(0.99)	3
7	WNMQNGK	conA	876.99	206.26	(0.19)	3
7	YLYEIAR	albu_pig	927.08	228.03	(0.78)	6
		BSA				
		HSA				
7	YLYEVAR	albu_horse	913.05	226.13	(0.63)	5
		albu_sheep				
8	AADALLK	enolase_yst	814.00	223.86	(2.78)	3
8	ADFAEISK	albu_dog	879.97	218.06	(0.55)	3
8	ADFAEVSK	albu_horse	865.95	214.17	(0.67)	3
8	ADFTDVTK	albu_sheep	895.97	214.56	(1.13)	3
8	ADFTEISK	albu_pig	910.00	219.61	(0.21)	3
8	AEFAEVSK	HSA	879.97	214.97	(4.51)	2
8	AEFVEVTK	BSA	922.05	223.42		1
8	AHELLNTK	glox_aspgn	925.06	227.41		1
8	ALQASALK	aldol_rab	800.96	218.92	(0.62)	3
8	DDHPNLPK	albu_horse	935.01	211.02	(2.10)	3
8	DDNPNLPR	HSA	939.99	218.41	(2.84)	2
8	DERFFSDK	kcas_bov	1043.11	238.70		1
8	DIPVPKPK	alcodehy_yst	893.10	219.20	(1.10)	3
8	DIVGAVLK	alcodehy_yst	814.00	206.07	(0.54)	3
8	DLGEEHFK	BSA	974.05	225.29		1

8	DLGEENFK	HSA	951.01	223.98	(1.41)	3
8	DLGEQYFK	albu_pig	999.10	232.22	(0.30)	3
8	DSADGFLK	apotransf_bov	851.92	209.30	(1.09)	3
8	DSALGFLR	lactotrans_bov	878.00	216.27	(4.91)	2
8	EALDFFAR	alcodehy_yst	968.08	231.05		1
8	ELSDIAHR	aldol_rab	940.03	221.32	(2.53)	3
8	EYEATLEK	albu_dog	982.06	229.28	(0.93)	3
8	FGVNGSEK	conalb_chick	836.91	201.76	(0.59)	3
8	GASIVEDK	gludehy_bov	817.90	205.22	(1.78)	2
8	GFFYTPKA	ins_bov	930.08	239.80		1
8	IDALNENK	blacto_bov	916.01	225.09	(1.45)	3
8	IGDYAGIK	alcodehy_yst	835.96	210.40	(0.63)	3
8	KLGLVGSR	albu_pig	829.02	204.43		1
8	KVSEALTK	hb_rab	875.04	213.55	(1.46)	3
8	LIVTQTMK	blacto_bov	933.18	243.91	(0.71)	3
8	MVEGFFDR	gludehy_bov	1000.14	237.35	(0.51)	3
8	RCQYVTEK	aldol_rab	1026.18	244.74	(0.92)	2
8	SAASLNSR	tryps	804.87	201.95		1
8	SEVAHRFK	HSA	973.11	235.87	(1.31)	3
8	SHHWGYGK	canhyd_bov	971.05	227.58	(0.33)	2
8	TKIPAVFK	blacto_bov	903.14	227.74	(1.26)	3
8	TKLTEEEK	acas_bov	977.09	243.22		1
8	TYETTLEK	HSA	984.08	239.55	(1.30)	2
8	VHLSAEEK	hb_pig	912.02	222.58	(1.10)	3
8	VHLTAAEK	hb_dog	926.04	226.87	(0.45)	3
8	VHLTPEEK	hb_hum	952.08	228.28	(2.05)	2
8	VLTPDLYK	crephos_rab	948.13	230.73	(1.13)	2
8	VYGVQGLR	glox_aspgn	891.05	218.35	(3.65)	2
8	YKELGFQG	myo_horse	941.06	227.91	(0.59)	3
8	YLGEEYVK	transfr_hum	1000.12	238.79	(1.26)	3
8	YNLGLDLR	gludehy_bov	963.11	230.06		1
9	AAVTAFWGK	hb_bov	950.11	237.76	(0.53)	4
9	AAVTGFWGK	hb_sheep	936.09	233.00	(0.18)	3
9	ALMSAVEDR	glox_aspgn	991.13	235.30		1
9	ANELLINVK	alcodehy_yst	1013.21	249.69	(0.86)	3
9	APNHAVVTR	transfr_hum	964.10	219.79	(0.94)	3
9	DFPIANGER	canhyd_bov	1018.10	229.78		1
9	DGKYDLDFK	enolase_yst	1100.20	250.07	(0.42)	2
9	DLLFRDDTK	apotransf_bov	1122.25	248.68		1
9	EAVLGLWGK	hb_pig	972.16	235.37	(1.14)	3
9	EGIPPDQQR	ubiq	1039.12	229.87		1
9	ESTLHLVLR	ubiq	1067.26	247.60	(3.52)	2
9	FMMFESQNK	conalb_chick	1161.36	259.37	(4.27)	2

9	FQPLVDEPK	albu_pig	1072.23	255.89	(0.74)	3
9	GNTHNVYAK	glox_aspgn	1003.09	234.91	(0.68)	2
9	GTDVHAWIR	lys_tew	1054.18	241.75	(0.34)	2
9	HGGFKPTDK	crephos_rab	986.10	226.66	(0.55)	2
9	LDELRDEGK	HSA	1074.16	233.18		1
9	LHVDPENFK	hb_dog	1098.23	248.13	(1.98)	4
9	LHVDPENFR	hb_hum	1126.24	246.51	(1.79)	4
		hb_sheep				
9	LLGLFPDAN	conA	959.12	232.59	(0.23)	3
9	LRVDPVNFK	hb_bov	1087.29	250.74	(1.07)	2
		hb_sheep				
9	MFLGFPTTK	hb_pig	1041.28	250.02	(1.45)	6
		hb_rab				
9	MFLSFPTTK	hb_bov	1071.31	255.16	(0.70)	10
		hb_hum				
		hb_sheep				
9	QLLLTADDR	aldol_rab	1044.18	246.37	(2.12)	2
9	QSALAEVK	albu_horse	958.13	234.39	(1.35)	3
9	QTALVELLK	albu_sheep	1014.24	245.01	(1.53)	3
9	QTALVELVK	HSA	1000.21	242.43	(0.50)	3
9	RPAQPLKNR	canhyd_bov	1079.30	254.31	(0.44)	2
9	SAVTALWGK	hb_hum	932.09	231.09	(1.09)	6
		hb_rab				
9	SKGGVVGK	aldol_rab	844.03	211.01	(0.83)	2
9	SLVSGLWGK	hb_dog	946.12	236.29	(0.69)	3
9	TDLNHENLK	crephos_rab	1083.17	245.50	(0.58)	2
9	TFQSFPTTK	hb_dog	1056.19	245.22	(0.25)	2
9	TGAPARSER	enolase_yst	944.02	249.59	(3.78)	2
9	TLSDYNIQK	ubiq	1081.20	248.81		1
9	VAAHAVVAR	conalb_chick	893.06	228.54	(1.39)	3
9	YFGYTGALR	conalb_chick	1047.19	238.95	(2.80)	2
9	YYGYTGAFR	apotransf_bov	1097.20	242.91	(1.19)	2
10	AQSDFGVDTK	conalb_chick	1067.13	241.43	(1.36)	3
10	DGAGDVAFVK	transfr_hum	978.08	229.25	(0.61)	3
10	DLFDPIIQDR	crephos_rab	1231.38	266.68	(0.41)	2
10	DSNVNWNLNK	conalb_chick	1203.28	261.59		1
10	EAYKSEIAHR	albu_dog	1203.33	267.64	(0.91)	3
10	ECCDKPBLEK	BSA	1177.40	268.27		1
10	EKDIVGAVLK	alcodehy_yst	1071.29	254.31	(1.07)	3
10	FKDLGEENFK	HSA	1226.36	266.70	(2.94)	2
10	FKDLGEQYFK	albu_pig	1274.45	269.57	(0.71)	2
10	GVIFYESHGK	alcodehy_yst	1136.28	254.90	(0.56)	3
10	IGSEVYHNLK	enolase_yst	1159.31	269.70	(0.37)	3

10	KQSALAEVLK	albu_horse	1086.30	255.37	(2.87)	3
10	KQTALVELLK	albu_pig	1142.41	272.66	(2.62)	8
		albu_sheep				
		BSA				
10	LLVVYPWTQR	hb_hum	1274.54	283.07	(1.87)	10
		hb_pig				
		hb_rab				
		hb_sheep				
10	LVASSQLALA	albu_horse	972.16	234.24	(0.40)	3
10	LVASTQAALA	albu_sheep	944.10	225.98	(0.62)	3
10	LVKELTEFAK	albu_sheep	1177.41	265.20	(1.14)	3
10	LVNELTEFAK	BSA	1163.34	267.51	(1.38)	3
10	LVNEVTEFAK	albu_horse	1149.32	262.66	(0.85)	4
10	LVVSTQTALA	BSA	1002.18	239.27	(1.48)	3
10	SEEEYPDLSK	crephos_rab	1196.24	257.78	(0.49)	2
10	TAAVYVNAIEK	gludehy_bov	1079.23	246.52	(2.11)	2
10	VLDSFSNGMK	hb_bov	1097.26	252.25	(1.41)	4
		hb_sheep				
10	VLNSFSDGLK	hb_dog	1079.23	255.16	(0.96)	3
10	VLQSFSDGLK	hb_pig	1093.25	255.95	(1.41)	3
10	YNDLGEEHFR	albu_dog	1279.34	271.02	(1.40)	3
11	EMGGVVDNAAR	glox_aspgn	1118.24	244.16	(0.66)	2
11	HKTDLNHENLK	crephos_rab	1348.49	288.37		1
11	HLVDEPQNLK	albu_sheep	1305.50	282.63	(0.86)	5
		BSA				
11	HPDYSVSLLLR	albu_horse	1299.50	296.03	(0.62)	3
11	HPEYAVSVLLR	albu_sheep	1283.50	281.06	(2.47)	3
11	KVLDSFSNGMK	hb_bov	1225.43	266.78	(1.13)	4
		hb_sheep				
11	KVLQSFSDGLK	hb_pig	1221.43	269.66		1
11	LEQWAEAVAR	glox_aspgn	1301.43	285.03	(2.29)	2
11	LFTGHPETLEK	myo_horse	1271.44	277.00		1
11	LQHGTLGFPK	gludehy_bov	1210.45	284.39	(0.59)	2
11	SASDLTWDNLK	transfr_hum	1249.35	275.99	(2.94)	2
11	SCQAQPTTMAR	kcas_bov	1193.40	260.11	(4.55)	2
11	SSGTSYPDVLK	Tryps	1153.26	251.05		1
11	TGPNLHGLFGR	cytc_horse	1168.33	257.73		1
11	TPEVDDEALEK	blacto_bov	1245.31	249.83	(1.34)	3
11	VDEVGAEALGR	hb_sheep	1115.22	251.98	(0.49)	3
11	VGLSASTGLYK	conA	1095.27	270.04	(0.79)	3
11	VLSPADKTNK	hb_rab	1185.39	259.52	(2.72)	3
12	AAFTECCQAADK	HSA	1257.41	271.68		1
12	EETLMEYLENPK	cytc_horse	1495.67	309.03		1

12	EFTPVLQADFQK	hb_bov	1422.61	305.06	(0.90)	4
12	FLANVSTVLTSK	hb_rab	1279.51	297.19	(1.30)	5
		hb_sheep				
12	FLASVSTVLTSK	hb_hum	1252.48	298.80	(0.41)	2
12	GQSIDDMIPAQK	crephos_rab	1302.47	276.29	(2.26)	2
12	GTEFTVNDLQGK	conalb_chick	1308.42	276.26	(0.93)	2
12	SIGGEVFIDFTK	alcodehy_yst	1312.49	296.14	(0.34)	2
12	SISIVGSYVGNR	alcodehy_yst	1251.41	267.82	(1.51)	3
12	TVDMESTEVFTK	acas_bov	1386.54	304.91		1
12	TVLGNFSAFVAK	albu_horse	1253.47	290.06	(1.14)	3
12	VNQIGTLSESIK	enolase_yst	1288.47	278.77	(0.59)	3
12	VVAGVANALAHK	hb_dog	1149.37	267.76	(1.71)	14
		hb_hum				
		hb_pig				
		hb_rab				
		hb_sheep				
13	GNPTVEVELTTEK	enolase_yst	1416.56	302.96	(0.35)	2
13	LGEYGFQNALIVR	albu_pig	1479.71	305.73		1
13	VKVDEVGAEALGR	hb_sheep	1342.52	286.34	(1.24)	2
13	VKVDEVGGEALGR	hb_bov	1328.50	281.42	(2.25)	2
13	VNVDEVGGEALGR	hb_dog	1314.43	278.91	(1.10)	9
		hb_hum				
		hb_pig				
13	VNVEEVGGEALGR	hb_rab	1328.45	278.43	(2.38)	2
14	APQVSTPTLVEIGR	albu_horse	1467.69	305.13		1
14	GILAADESTGSIK	aldol_rab	1332.48	300.14	(0.72)	3
14	TAGWNIPMGLLYSK	apotransf_bov	1550.84	323.84		1
14	TGQAPGFTYTDANK	cytc_horse	1470.60	286.74		1
15	ANGTTVLVGMPEGAK	alcodehy_yst	1386.64	286.04	(2.23)	2
15	AVDDFLISLDGTANK	enolase_yst	1578.75	316.92	(2.52)	2
15	LGANAILGVSLAASR	enolase_yst	1412.66	332.98		1
15	VGGNAGAYGAEALER	hb_sheep	1434.54	287.23	(0.59)	2
15	VGGQAGAHGAEALER	hb_pig	1422.53	284.89	(2.35)	2

^aAll values were obtained using an injected-ion mobility/time-of-flight technique. For a description, see: Hoaglund, C. S.; Valentine, S. J.; Sporleder, C. R.; Reilly, J. P.; Clemmer, D. E. *Anal. Chem.* **1998**, *70*, 2236; Henderson, S. C.; Valentine, S. J.; Counterman, A. E.; Clemmer, D. E., *Anal. Chem.* **1999**, *71*, 291.

^bPeptide sequences correspond to fragments expected from tryptic digests as obtained from peptide_mass.pl [<http://expasy.hcuge.ch/sprot/peptide-mass.html>]. N-terminal acetylation is indicated by the prefix Ac.

^cAll proteins were obtained from Sigma and used without further purification. Purities were typically $\geq 70\%$. Tryptic digests were performed by addition of 150 μL of a 0.2 mg/mL trypsin (Sigma, sequencing grade) solution in 0.2 M ammonium bicarbonate (EM Science) to 0.5 mL of a 20 mg/mL solution of each protein. Protein names are abbreviated as follows: albumin (albu), alcohol dehydrogenase (alcodehy), alpha-casein (acas), aldolase (aldol), apotransferrin (apotransf), beta-casein (bcas), beta-lactoglobulin (blacto), bovine serum albumin (BSA), carbonic anhydrase (canhyd), conalbumin (conalb), concanavalin A (conA), creatine phosphokinase (crephos), cytochrome c (cytc), glucose dehydrogenase (gludehy), glucose oxidase (glox), hemoglobin (hb), human serum albumin (HSA), kappa-casein (kcas), lactotransferrin (lactotrans), lysozyme (lys), myoglobin (myo), transferrin (transfr), and ubiquitin (ubiq). The sources of the proteins are separated from the protein name by an underscore, and are abbreviated as follows: aspergillus niger (aspn), bovine (bov), chicken (chick), human (hum), rabbit (rab), sperm whale (sw), turkey egg white (tew), and yeast (yst).

^dMolecular weights are reported as an isotopic average and were checked by comparison with <http://expasy.hcuge.ch/sprot/peptide-mass.html>.

^eCross sections correspond to the average of multiple data sets. Uncertainties are given in parentheses and correspond to one standard deviation when three or more measurements were made, or as the range when only two measurements were made.

^fTotal number of separate observations and cross section measurements for each peptide sequence.