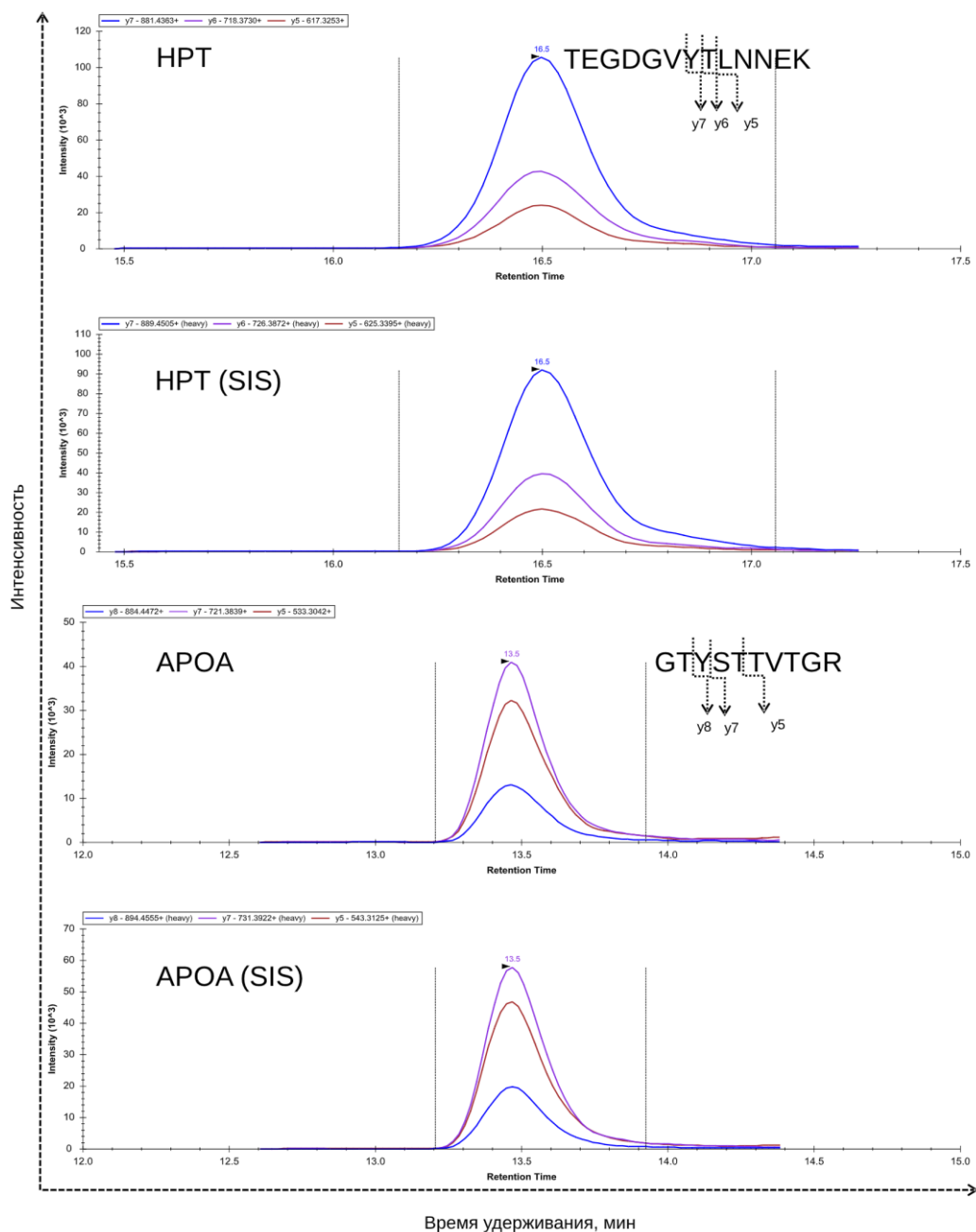
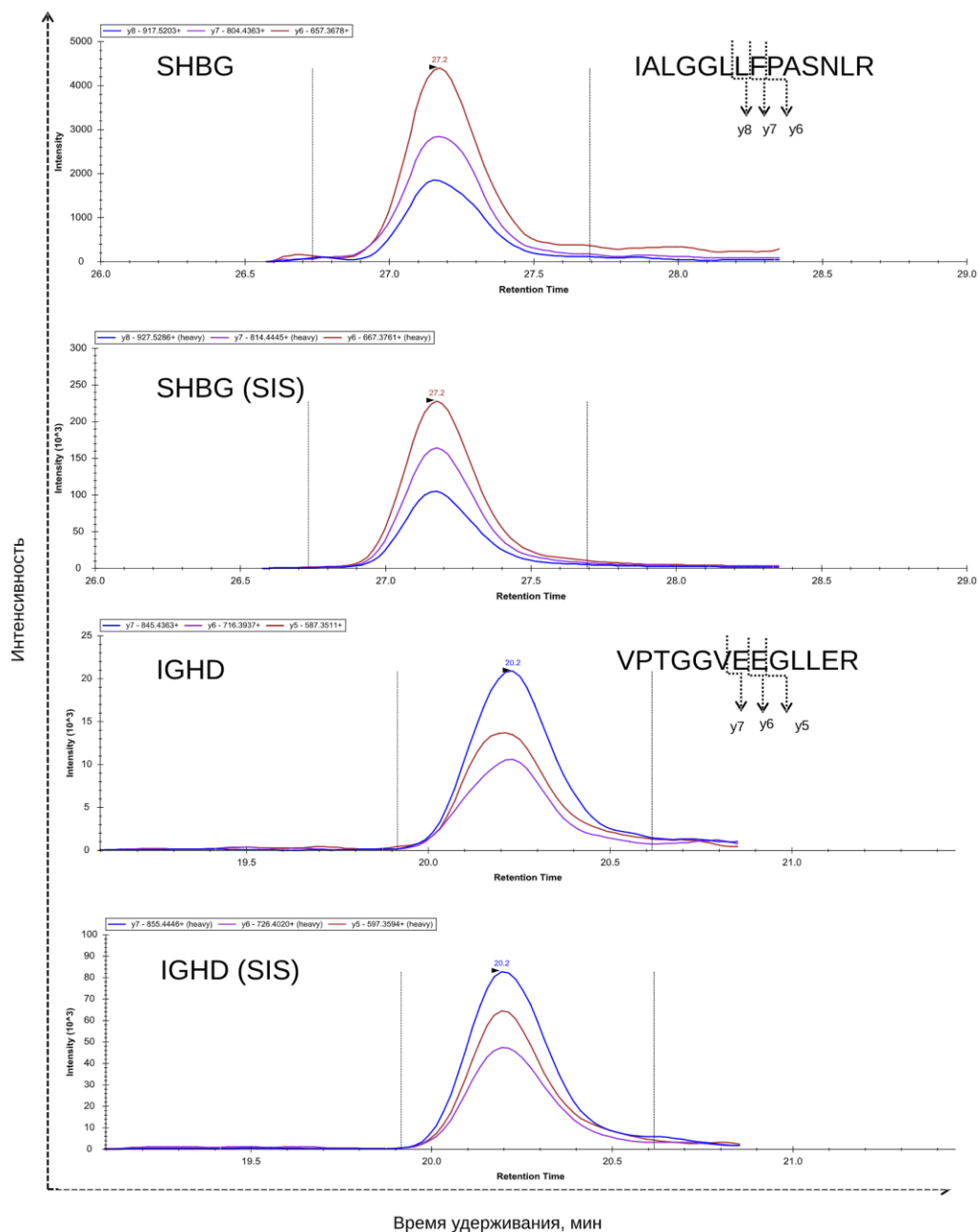


## ПРИЛОЖЕНИЕ (SUPPLEMENTARY MATERIALS)



**Рисунок 1.** Результаты MRM анализа для гаптоглобина (HPT, TEGDGVYTLNNEK) и липопротейна(а) (APOA, GTYSTTVTGR); сигнал от природного пептида и синтетического изотопно-меченого пептидного стандарта (SIS) (по оси x – время удерживания, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 1.** MRM results for haptoglobin (HPT, TEGDGVYTLNNEK), and lipoprotein (a) (APOA, GTYSTTVTGR); a signal from a natural peptide and a synthetic isotopically labeled standard; the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



**Рисунок 2.** Результаты MRM анализа для глобулина, связывающего половые гормоны (ГСПГ) (SHBG, IALGGLFPASNLR) и константного участка тяжелой цепи иммуноглобулина класса D (IGHD, VPTGGVEEGLLER); сигнал от природного пептида и синтетического стандарта для пептидов (по оси x – время удерживания, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 2.** MRM results for sex hormone-binding globulin (SHBG, IALGGLFPASNLR), and immunoglobulin heavy constant delta (IGHD, VPTGGVEEGLLER); a signal from a natural peptide and a synthetic isotopically labeled standard; the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).

**Таблица 1.** Список белков протеомного ядра плазмы крови (детектированы в каждом образце плазмы крови, полученных от здоровых пациентов).

**Table 1.** List of proteins of blood plasma proteomic core (proteins were detected in each sample of blood plasma from healthy donors).

#	Белок	Описание
1	CERU	Ceruloplasmin precursor (EC 1.16.3.1) (Ferroxidase)
2	HPT	Haptoglobin precursor (Zonulin) [Contains: Haptoglobin alpha chain; Haptoglobin beta chain]
3	FA9	Coagulation factor IX precursor (EC 3.4.21.22) (Christmas factor) (Plasma thromboplastin component) (PTC) [Contains: Coagulation factor IXa light chain; Coagulation factor IXa heavy chain]
4	PLMN	Plasminogen precursor (EC 3.4.21.7) [Contains: Plasmin heavy chain A; Activation peptide; Angiostatin; Plasmin heavy chain A, short form; Plasmin light chain B]
5	CFAB	Complement factor B precursor (EC 3.4.21.47) (C3/C5 convertase) (Glycine-rich beta glycoprotein) (GBG) (PBF2) (Properdin factor B) [Contains: Complement factor B Ba fragment; Complement factor B Bb fragment] [BF] [BFD]
6	ANT3	Antithrombin-III precursor (ATIII) (Serpine C1) [AT3] [PRO0309]
7	AlAT	Alpha-1-antitrypsin precursor (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase) (Serpine A1) [Contains: Short peptide from AAT (SPAAT)] [AAT] [PI] [PRO0684] [PRO2209]
8	ANGT	Angiotensinogen precursor (Serpine A8) [Contains: Angiotensin-1 (Angiotensin 1-10) (Angiotensin I) (Ang I); Angiotensin-2 (Angiotensin 1-8) (Angiotensin II) (Ang II); Angiotensin-3 (Angiotensin 2-8) (Angiotensin III) (Ang III) (Des-Asp[1]-angiotensin II); Angiotensin-4 (Angiotensin 3-8) (Angiotensin IV) (Ang IV); Angiotensin 1-9; Angiotensin 1-7; Angiotensin 1-5; Angiotensin 1-4] [SERPINA8]

9	A2MG	Alpha-2-macroglobulin precursor (Alpha-2-M) (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5) [CPAMD5] [FWP007]
10	CO3	Complement C3 precursor (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1) [Contains: Complement C3 beta chain; C3-beta-c (C3bc); Complement C3 alpha chain; C3a anaphylatoxin; Acylation stimulating protein (ASP) (C3adesArg); Complement C3b alpha' chain; Complement C3c alpha' chain fragment 1; Complement C3dg fragment; Complement C3g fragment; Complement C3d fragment; Complement C3f fragment; Complement C3c alpha' chain fragment 2] [CPAMD1]
11	CO5	Complement C5 precursor (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4) [Contains: Complement C5 beta chain; Complement C5 alpha chain; C5a anaphylatoxin; Complement C5 alpha' chain] [CPAMD4]
12	IGKC	Ig kappa chain C region
13	IGHG1	Ig gamma-1 chain C region
14	IGHG4	Ig gamma-4 chain C region
15	IGHM	Ig mu chain C region
16	IGHA1	Ig alpha-1 chain C region
17	IGHA2	Ig alpha-2 chain C region
18	IGHD	Ig delta chain C region
19	APOA1	Apolipoprotein A-I precursor (Apo-AI) (ApoA-I) (Apolipoprotein A1) [Contains: Proapolipoprotein A-I (ProapoA-I); Truncated apolipoprotein A-I (Apolipoprotein A-I(1-242))]"
20	APOC3	Apolipoprotein C-III precursor (Apo-CIII) (ApoC-III) (Apolipoprotein C3)
21	FIBA	Fibrinogen alpha chain precursor [Contains: Fibrinopeptide A; Fibrinogen alpha chain]"
22	FIBB	Fibrinogen beta chain precursor [Contains: Fibrinopeptide B; Fibrinogen beta chain]"
23	FIBG	Fibrinogen gamma chain precursor [PRO2061]

24	C1QB	Complement C1q subcomponent subunit B precursor
25	C1QC	Complement C1q subcomponent subunit C precursor [C1QG]
26	FINC	Fibronectin precursor (FN) (Cold-insoluble globulin) (CIG) [Contains: Anastellin; Ugl-Y1; Ugl-Y2; Ugl-Y3] [FN]"
27	RET4	Retinol-binding protein 4 precursor (Plasma retinol-binding protein) (PRBP) (RBP) [Contains: Plasma retinol-binding protein(1-182); Plasma retinol-binding protein(1-181); Plasma retinol-binding protein(1-179); Plasma retinol-binding protein(1-176)] [PRO2222]"
28	AlAG1	Alpha-1-acid glycoprotein 1 precursor (AGP 1) (Orosomucoid-1) (OMD 1) [AGP1]
29	FETUA	Alpha-2-HS-glycoprotein precursor (Alpha-2-Z-globulin) (Ba-alpha-2-glycoprotein) (Fetuin-A) [Contains: Alpha-2-HS-glycoprotein chain A; Alpha-2-HS-glycoprotein chain B] [FETUA] [PRO2743]"
30	TTHY	Transthyretin precursor (ATTR) (Prealbumin) (TBPA) [PALB]
31	CXCL7	Platelet basic protein precursor (PBP) (C-X-C motif chemokine 7) (Leukocyte-derived growth factor) (LDGF) (Macrophage-derived growth factor) (MDGF) (Small-inducible cytokine B7) [Contains: Connective tissue-activating peptide III (CTAP-III) (LA-PF4) (Low-affinity platelet factor IV); TC-2; Connective tissue-activating peptide III(1-81) (CTAP-III(1-81)); Beta-thromboglobulin (Beta-TG); Neutrophil-activating peptide 2(74) (NAP-2(74)); Neutrophil-activating peptide 2(73) (NAP-2(73)); Neutrophil-activating peptide 2 (NAP-2); TC-1; Neutrophil-activating peptide 2(1-66) (NAP-2(1-66)); Neutrophil-activating peptide 2(1-63) (NAP-2(1-63))] [CTAP3] [CXCL7] [SCYB7] [TGB1] [THBGB1]"
32	TRFE	Serotransferrin precursor (Transferrin) (Beta-1 metal-binding globulin) (Siderophilin) [PRO1400]
33	HEMO	Hemopexin precursor (Beta-1B-glycoprotein)

34	APOB	Apolipoprotein B-100 precursor (Apo B-100) [Contains: Apolipoprotein B-48 (Apo B-48)]
35	VWF	von Willebrand factor precursor (vWF) [Contains: von Willebrand antigen 2 (von Willebrand antigen II)] [F8VWF]
36	SHBG	Sex hormone-binding globulin precursor (SHBG) (Sex steroid-binding protein) (SBP) (Testis- specific androgen-binding protein) (ABP) (Testosterone-estradiol-binding globulin) (TeBG) (Testosterone-estrogen-binding globulin)
37	IC1	Plasma protease C1 inhibitor precursor (C1 Inh) (C1Inh) (C1 esterase inhibitor) (C1-inhibiting factor) (Serpine G1) [C1IN] [C1NH]
38	THBG	Thyroxine-binding globulin precursor (Serpine A7) (T4-binding globulin) [TBG]
39	CHLE	Cholinesterase precursor (EC 3.1.1.8) (Acetylcholine acylhydrolase) (Butyrylcholine esterase) (Choline esterase II) (Pseudocholinesterase) [CHE1]
40	PROS	Vitamin K-dependent protein S precursor [PROS]
41	APOA	Apolipoprotein(a) precursor (EC 3.4.21.-) (Apo(a)) (Lp(a))
42	A2AP	Alpha-2-antiplasmin precursor (Alpha-2-AP) (Alpha-2-plasmin inhibitor) (Alpha-2-PI) (Serpine F2) [AAP] [PLI]
43	C1S	Complement C1s subcomponent precursor (EC 3.4.21.42) (C1 esterase) (Complement component 1 subcomponent s) [Contains: Complement C1s subcomponent heavy chain; Complement C1s subcomponent light chain]"
44	BTD	Biotinidase precursor (EC 3.5.1.12) (Biotinase)

**Таблица 2.** Список белков которые детектировались только у части пациентов (Various proteins).

**Table 2.** List of proteins that were variably detected in blood plasma from healthy donors (Various proteins).

#	Белок	Описание
1	CYTC	Cystatin-C precursor (Cystatin-3) (Gamma-trace) (Neuroendocrine basic polypeptide) (Post-gamma-globulin)
2	IGF1	Insulin-like growth factor I precursor (IGF-I) (Mechano growth factor) (MGF) (Somatomedin-C) [IBP1]
3	KCRM	Creatine kinase M-type (EC 2.7.3.2) (Creatine kinase M chain) (M-CK) [Contains: Creatine kinase M-type, N-terminally processed] [CKMM]
4	LDHB	L-lactate dehydrogenase B chain (EC 1.1.1.27) (LDH-B) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)
5	LIPP	Pancreatic triacylglycerol lipase precursor (EC 3.1.1.3) (PL) (PTL) (Pancreatic lipase)
6	ALAT1	Alanine aminotransferase 1 (EC 2.6.1.2) (ALT1) (Glutamate pyruvate transaminase 1) (GPT 1) (Glutamic--alanine transaminase 1) (Glutamic--pyruvic transaminase 1) [AAT1] [GPT1]
7	LYSC	Lysozyme C precursor (EC 3.2.1.17) (1,4-beta-N-acetylmuramidase C) [LZM]
8	B2MG	Beta-2-microglobulin precursor [Contains: Beta-2-microglobulin form pI 5.3] [CDABP0092] [HDCMA22P]

**Таблица 3.** Список белков которые не были детектированы ни в одном образце плазмы крови (Missing proteins).

**Table 3.** List of proteins that were missing in blood plasma from healthy donors (Missing proteins).

#	Белок	Описание
1	LDHA	L-lactate dehydrogenase A chain (EC 1.1.1.27) (LDH-A) (Cell proliferation-inducing gene 19 protein) (LDH muscle subunit) (LDH-M) (Renal carcinoma antigen NY-REN-59) [PIG19]
2	F13A	Coagulation factor XIII A chain precursor (EC 2.3.2.13) (Coagulation factor XIIIa) (Protein-glutamine gamma-glutamyltransferase A chain) (Transglutaminase A chain) [F13A]
3	UROK	Urokinase-type plasminogen activator precursor (EC 3.4.21.73) (U-plasminogen activator) (uPA) [Contains: Urokinase-type plasminogen activator long chain A; Urokinase-type plasminogen activator short chain A; Urokinase-type plasminogen activator chain B]"
4	TPA	Tissue-type plasminogen activator precursor (EC 3.4.21.68) (t-PA) (t-plasminogen activator) (tPA) (Alteplase) (Reteplase) [Contains: Tissue-type plasminogen activator chain A; Tissue-type plasminogen activator chain B]"
5	PRL	Prolactin precursor (PRL)
6	SOMA	Somatotropin precursor (Growth hormone) (GH) (GH-N) (Growth hormone 1) (Pituitary growth hormone)
7	THYG	Thyroglobulin precursor (Tg)
8	PTHY	Parathyroid hormone precursor (PTH) (Parathormone) (Parathyrin)
9	IGHE	Ig epsilon chain C region
10	MYG	Myoglobin
11	FETA	Alpha-fetoprotein precursor (Alpha-1-fetoprotein) (Alpha-fetoglobulin) [HPAFP]
12	TFR1	Transferrin receptor protein 1 (TR) (TfR) (TfR1) (Trfr) (T9) (p90) (CD71 antigen) [Contains: Transferrin receptor protein 1, serum form (sTfR)]
13	TRFL	Lactotransferrin precursor (EC 3.4.21.-) (Lactoferrin) (Growth-inhibiting protein 12) (Talalactoferrin) [Contains: Lactoferricin-H (Lfcin-H); Kaliocin-1; Lactoferroxin-A; Lactoferroxin-B; Lactoferroxin-C] [GIG12] [LF]"

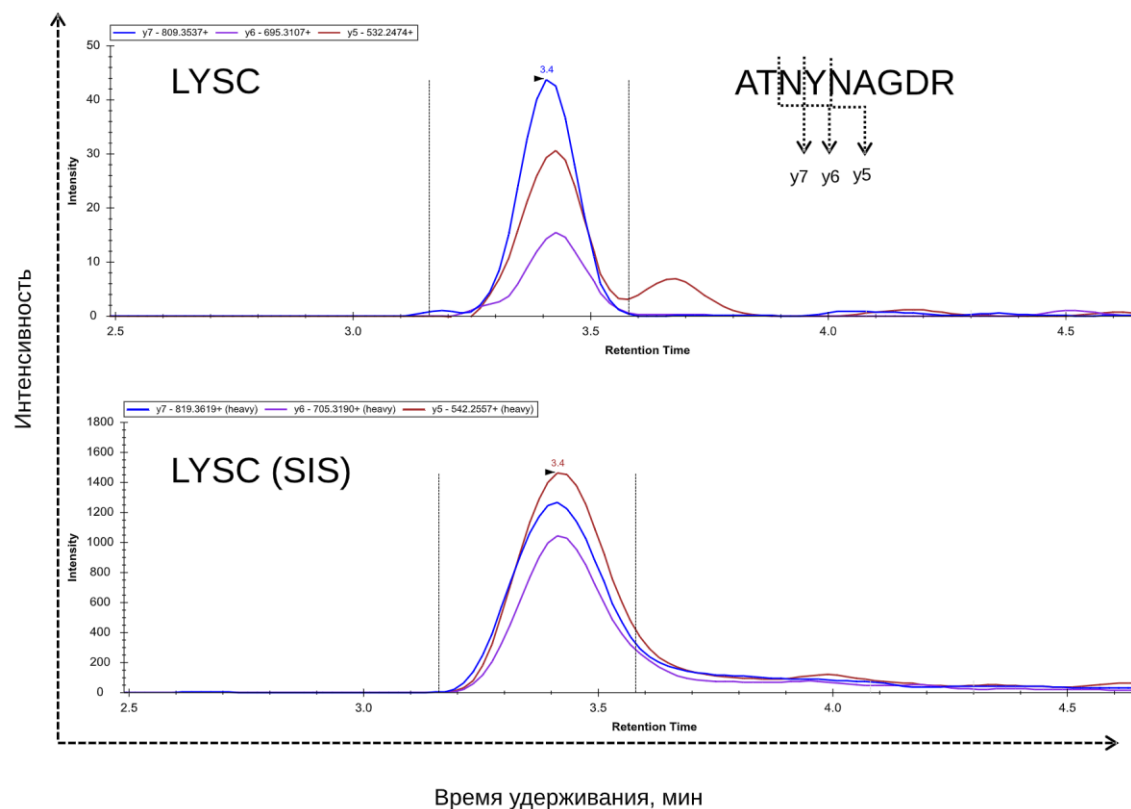


14	FRIL	Ferritin light chain (Ferritin L subunit)
15	PROC	"3 Vitamin K-dependent protein C precursor (EC 3.4.21.69) (Anticoagulant protein C) (Autoprothrombin IIA) (Blood coagulation factor XIV) [Contains: Vitamin K-dependent protein C light chain; Vitamin K-dependent protein C heavy chain; Activation peptide]"
16	ALDOA	Fructose-bisphosphate aldolase A (EC 4.1.2.13) (Lung cancer antigen NY-LU-1) (Muscle-type aldolase) [ALDA]
17	ERBB2	Receptor tyrosine-protein kinase erbB-2 precursor (EC 2.7.10.1) (Metastatic lymph node gene 19 protein) (MLN 19) (Proto-oncogene Neu) (Proto-oncogene c-ErbB-2) (Tyrosine kinase-type cell surface receptor HER2) (p185erbB2) (CD340 antigen) [HER2] [MLN19] [NEU] [NGL]
18	AMY1	Alpha-amylase 1 precursor (EC 3.2.1.1) (1,4-alpha-D-glucan glucanohydrolase 1) (Salivary alpha-amylase) [AMY1]
19	AMYP	Pancreatic alpha-amylase precursor (EC 3.2.1.1) (PA) (1,4-alpha-D-glucan glucanohydrolase)
20	ALDOB	Fructose-bisphosphate aldolase B (EC 4.1.2.13) (Liver-type aldolase) [ALDB]
21	INHA	Inhibin alpha chain precursor
22	PAI1	Plasminogen activator inhibitor 1 precursor (PAI) (PAI-1) (Endothelial plasminogen activator inhibitor) (Serpine E1) [PAI1] [PLANH1]
23	F13B	Coagulation factor XIII B chain precursor (Fibrin-stabilizing factor B subunit) (Protein-glutamine gamma-glutamyltransferase B chain) (Transglutaminase B chain)
24	PERM	Myeloperoxidase precursor (EC 1.11.2.2) (MPO) [Contains: Myeloperoxidase; 89 kDa myeloperoxidase; 84 kDa myeloperoxidase; Myeloperoxidase light chain; Myeloperoxidase heavy chain]"
25	PPBT	Alkaline phosphatase, tissue-nonspecific isozyme precursor (EC 3.1.3.1) (AP-TNAP) (TNSALP) (Alkaline phosphatase liver/bone/kidney isozyme)
26	CEAM5	Carcinoembryonic antigen-related cell adhesion molecule 5 precursor (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD66e antigen) [CEA]
27	G6PI	Glucose-6-phosphate isomerase (EC 5.3.1.9) (GPI) (Autocrine motility factor) (AMF) (Neuroleukin) (NLK) (Phosphoglucose isomerase) (PGI) (Phosphohexose isomerase) (PHI) (Sperm antigen 36) (SA-36)

28	LIPL	Lipoprotein lipase precursor (EC 3.1.1.34) (LPL) [LIPD]
29	KLK3	Prostate-specific antigen precursor (EC 3.4.21.77) (PSA) (Gamma-seminoprotein) (Seminin) (Kallikrein-3) (P-30 antigen) (Semenogelase) [APS]
30	TRY1	Trypsin-1 precursor (EC 3.4.21.4) (Beta-trypsin) (Cationic trypsinogen) (Serine protease 1) (Trypsin I) [Contains: Alpha-trypsin chain 1; Alpha-trypsin chain 2] [TRP1] [TRY1] [TRYP1]"
31	INHBA	Inhibin beta A chain precursor (Activin beta-A chain) (Erythroid differentiation protein) (EDF)
32	IBP1	Insulin-like growth factor-binding protein 1 precursor (IBP-1) (IGF-binding protein 1) (IGFBP-1) (Placental protein 12) (PP12) [IBP1]
33	RET1	Retinol-binding protein 1 (Cellular retinol-binding protein) (CRBP) (Cellular retinol-binding protein I) (CRBP-I) [CRBP1]
34	PPBI	Intestinal-type alkaline phosphatase precursor (EC 3.1.3.1) (IAP) (Intestinal alkaline phosphatase)
35	IGLC6	Immunoglobulin Lambda Constant 6
36	KCRB	Creatine kinase B-type (EC 2.7.3.2) (B-CK) (Creatine kinase B chain) [CKBB]
37	ACE	Angiotensin-converting enzyme precursor (EC 3.2.1.-) (EC 3.4.15.1) (ACE) (Dipeptidyl carboxypeptidase I) (Kininase II) (CD143 antigen) [Contains: Angiotensin-converting enzyme, soluble form] [DCP] [DCP1]
38	TNNT1	Troponin T, slow skeletal muscle (TnTs) (Slow skeletal muscle troponin T) (sTnT) [TNT]
39	KPYM	Pyruvate kinase PKM (EC 2.7.1.40) (Cytosolic thyroid hormone-binding protein) (CTHBP) (Opa-interacting protein 3) (OIP-3) (Pyruvate kinase 2/3) (Pyruvate kinase muscle isozyme) (Thyroid hormone-binding protein 1) (THBP1) (Tumor M2-PK) (p58) [OIP3] [PK2] [PK3] [PKM2]
40	IL2RB	Interleukin-2 receptor subunit beta precursor (IL-2 receptor subunit beta) (IL-2R subunit beta) (IL-2RB) (High affinity IL-2 receptor subunit beta) (p70-75) (p75) (CD122 antigen)
41	PPAP	Prostatic acid phosphatase precursor (EC 3.1.3.2) (PAP) (5'-nucleotidase) (EC 3.1.3.5) (5'-NT) (Ecto-5'-nucleotidase) (Thiamine monophosphatase) (TMPase) [Contains: PAPf39]
42	MUC1	Mucin-1 precursor (MUC-1) (Breast carcinoma-associated antigen DF3) (Cancer antigen 15-3) (CA 15-3) (Carcinoma-associated mucin) (Episialin)

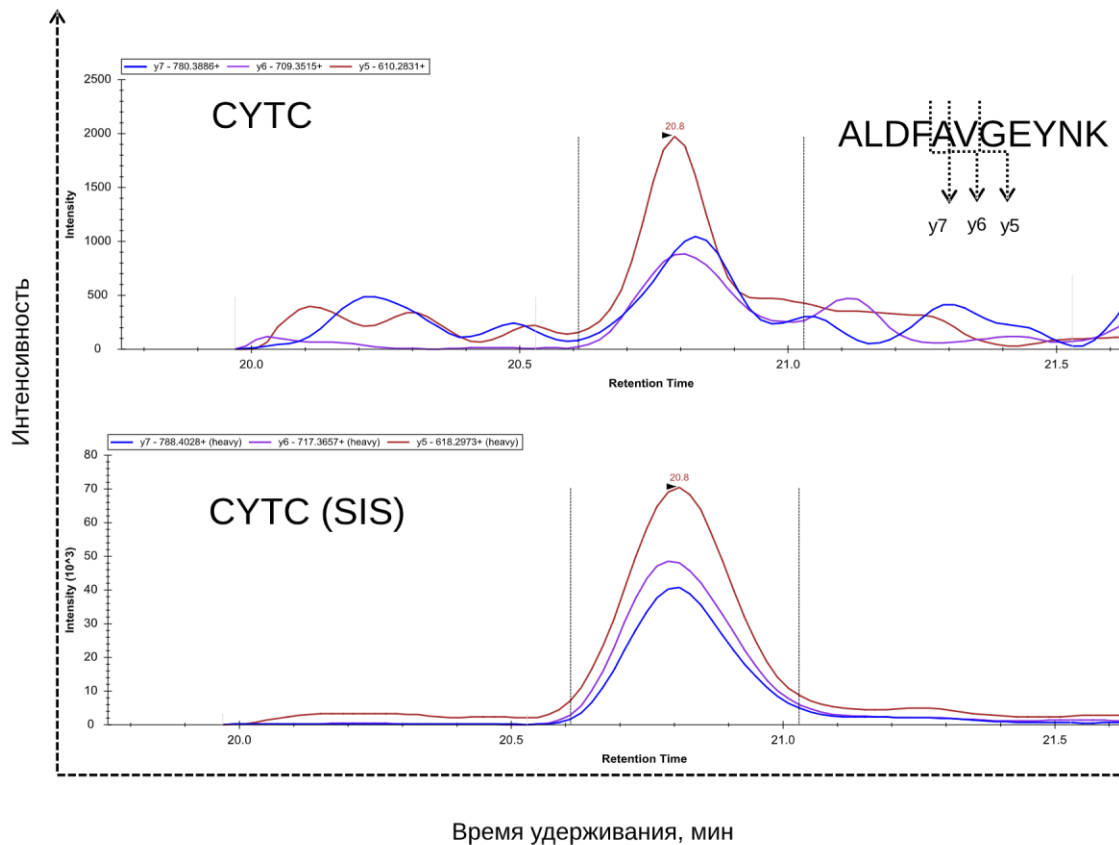
		(H23AG) (Krebs von den Lungen-6) (KL-6) (PEMT) (Peanut-reactive urinary mucin) (PUM) (Polymorphic epithelial mucin) (PEM) (Tumor-associated epithelial membrane antigen) (EMA) (Tumor-associated mucin) (CD227 antigen) [Contains: Mucin-1 subunit alpha (MUC1-NT) (MUC1-alpha); Mucin-1 subunit beta (MUC1-beta) (MUC1-CT)] [PUM]"
43	ANFB	"5 Natriuretic peptides B precursor (Gamma-brain natriuretic peptide) [Contains: Brain natriuretic peptide 32 (BNP(1-32)) (BNP-32); BNP(1-30); BNP(1-29); BNP(1-28); BNP(2-31); BNP(3-32); BNP(3-30); BNP(3-29); BNP(4-32); BNP(4-31); BNP(4-30); BNP(4-29); BNP(4-27); BNP(5-32); BNP(5-31); BNP(5-29)]"
44	AATC	Aspartate aminotransferase, cytoplasmic (EC 2.6.1.1) (EC 2.6.1.3) (cAspAT) (Cysteine aminotransferase, cytoplasmic) (Cysteine transaminase, cytoplasmic) (cCAT) (Glutamate oxaloacetate transaminase 1) (Transaminase A)
45	IBP3	Insulin-like growth factor-binding protein 3 precursor (IBP-3) (IGF-binding protein 3) (IGFBP-3) [IBP3]
46	TNNI3	Troponin I, cardiac muscle (Cardiac troponin I) [TNNC1]
47	PPAC	Low molecular weight phosphotyrosine protein phosphatase (EC 3.1.3.48) (LMW-PTP) (LMW-PTPase) (Adipocyte acid phosphatase) (Low molecular weight cytosolic acid phosphatase) (EC 3.1.3.2) (Red cell acid phosphatase 1)
48	IL2RG	Cytokine receptor common subunit gamma precursor (Interleukin-2 receptor subunit gamma) (IL-2 receptor subunit gamma) (IL-2R subunit gamma) (IL-2RG) (gammaC) (p64) (CD132 antigen)
49	GGT5	Gamma-glutamyltransferase 5 precursor (EC 2.3.2.2) (GGT 5) (Gamma-glutamyl transpeptidase-related enzyme) (GGT-rel) (Gamma-glutamyltransferase-like activity 1) (Gamma-glutamyltranspeptidase 5) (Glutathione hydrolase 5) (EC 3.4.19.13) (Leukotriene-C4 hydrolase) (EC 3.4.19.14) [Contains: Gamma-glutamyltransferase 5 heavy chain; Gamma-glutamyltransferase 5 light chain] [GGTLA1]"
50	TNNT3	Troponin T, fast skeletal muscle (TnTf) (Beta-TnTF) (Fast skeletal muscle troponin T) (fTnT)
51	TNNT2	Troponin T, cardiac muscle (TnTc) (Cardiac muscle troponin T) (cTnT)
52	IDHP	Isocitrate dehydrogenase [NADP], mitochondrial precursor (EC 1.1.1.42) (IDH) (ICD-M) (IDP) (NADP(+)-specific ICDH) (Oxalosuccinate

		decarboxylase)
53	DHSO	Sorbitol dehydrogenase (EC 1.1.1.14) (L-iditol 2-dehydrogenase)
54	PAFA	Platelet-activating factor acetylhydrolase precursor (EC 3.1.1.47) (PAF acetylhydrolase) (1-alkyl-2-acetyl-glycerophosphocholine esterase) (2-acetyl-1-alkyl-glycerophosphocholine esterase) (Group-VIIA phospholipase A2) (gVIIA-PLA2) (LDL-associated phospholipase A2) (LDL-PLA(2)) (PAF 2-acylhydrolase) [PAFAH]
55	MUC16	Mucin-16 (MUC-16) (Ovarian cancer-related tumor marker CA125) (CA-125) (Ovarian carcinoma antigen CA125) [CA125]
56	C1QA	Complement C1q subcomponent subunit A precursor
57	ALDOC	Fructose-bisphosphate aldolase C (EC 4.1.2.13) (Brain-type aldolase) [ALDC]
58	IDHC	Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42) (IDH) (Cytosolic NADP-isocitrate dehydrogenase) (IDP) (NADP(+)-specific ICDH) (Oxalosuccinate decarboxylase) [PICD]
59	RENI	Renin (EC:3.4.23.15)(RENI)Angiotensinogenase



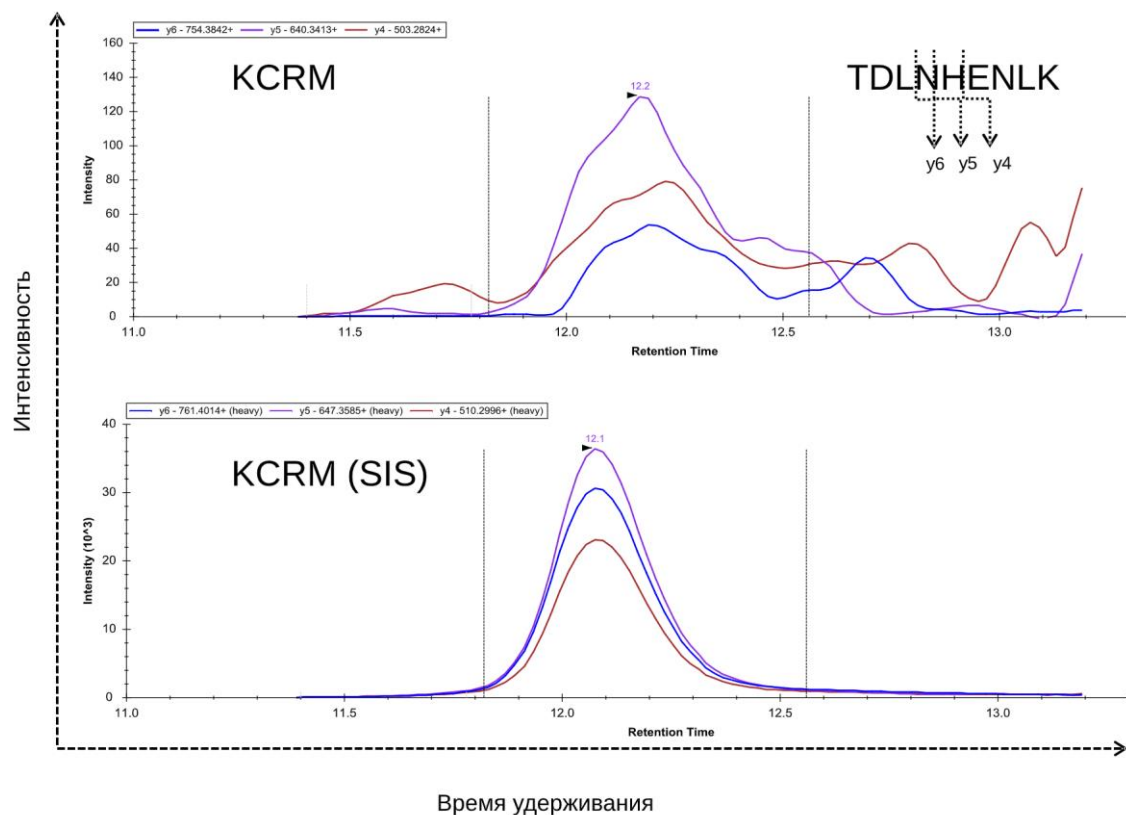
**Рисунок 3.** Результаты MRM анализа для лизоцима (LYSC, ATNYYNAGDR), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 3.** Results of MRM analysis for lysozyme (LYSC, ATNYYNAGDR), the top panel shows the signal from the natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS); the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



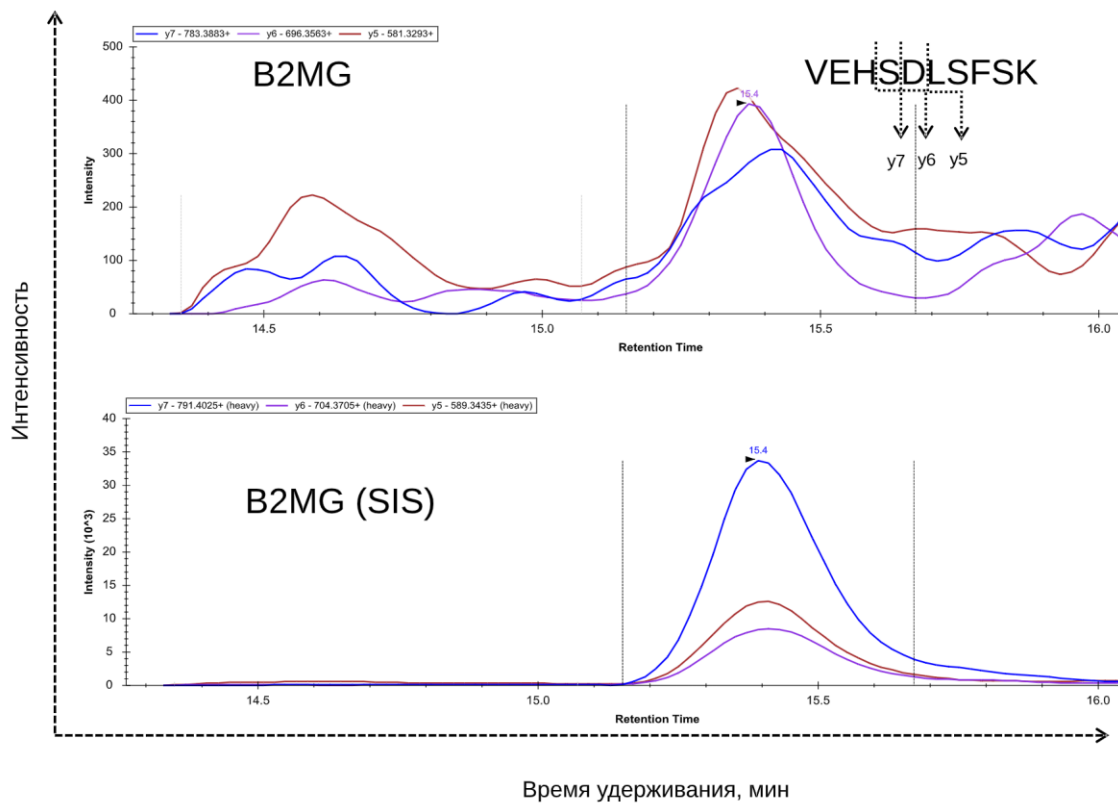
**Рисунок 4.** Результаты MRM анализа для цистатина С (CYTC, ALDFAVGEYNK), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 4.** The results of MRM analysis for cystatin-C (CYTC, ALDFAVGEYNK), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



**Рисунок 5.** Результаты MRM анализа для креатинкиназы MB, М типа (KCRM, TDLNHENLK), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

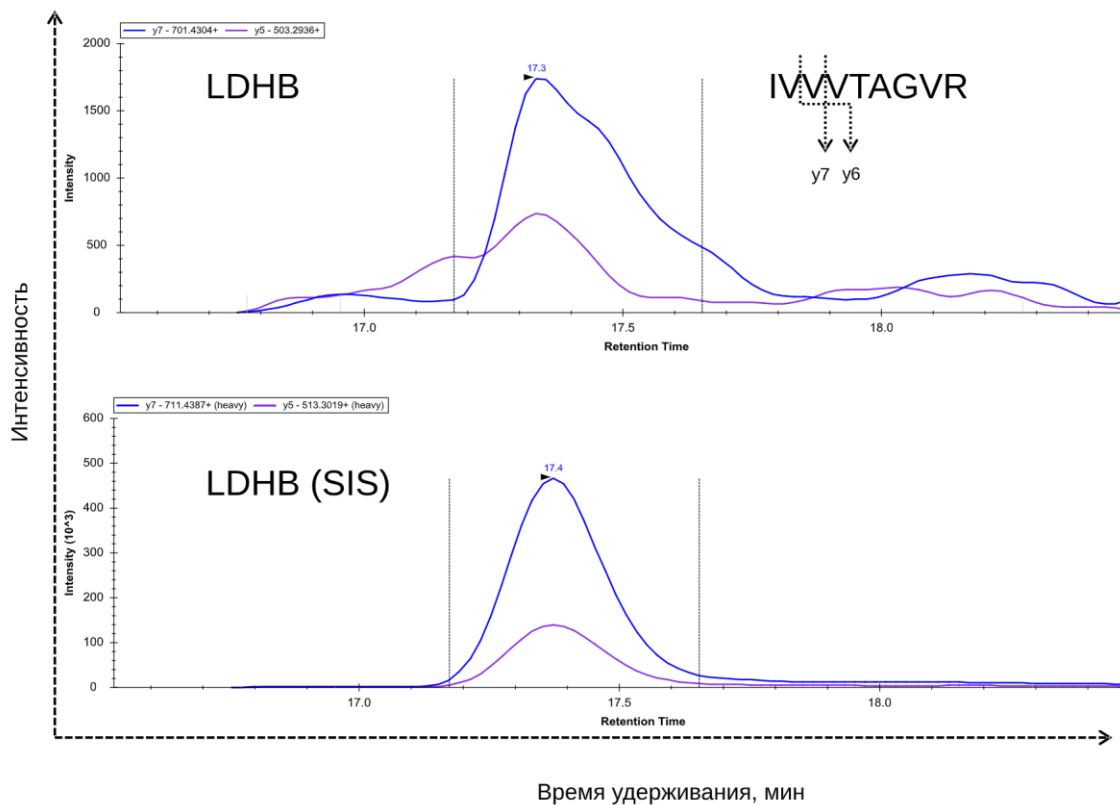
**Figure 5.** The results of MRM analysis for creatine kinase M-type (KCRM, TDLNHENLK), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



**Рисунок 6.** Результаты MRM анализа для бета-2-микроглобулина (B2MG, VEHSDFSFSK), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 6.** The results of MRM analysis for beta-2-microglobulin (B2MG, VEHSDFSFSK), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).





**Рисунок 7.** Результаты MRM анализа для лактатдегидрогеназы, цепь H (LDHB, IVVVTAGVR), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 7.** The results of MRM analysis for L-lactate dehydrogenase, heart subunit (LDHB, IVVVTAGVR), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).

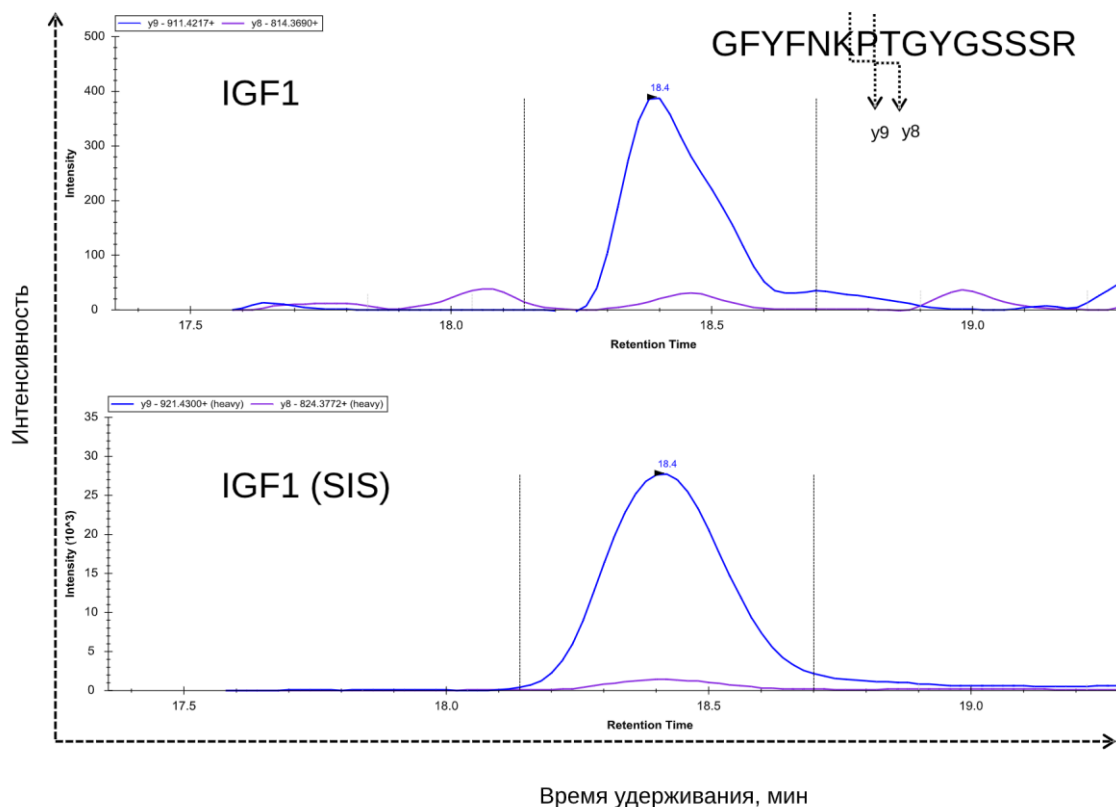
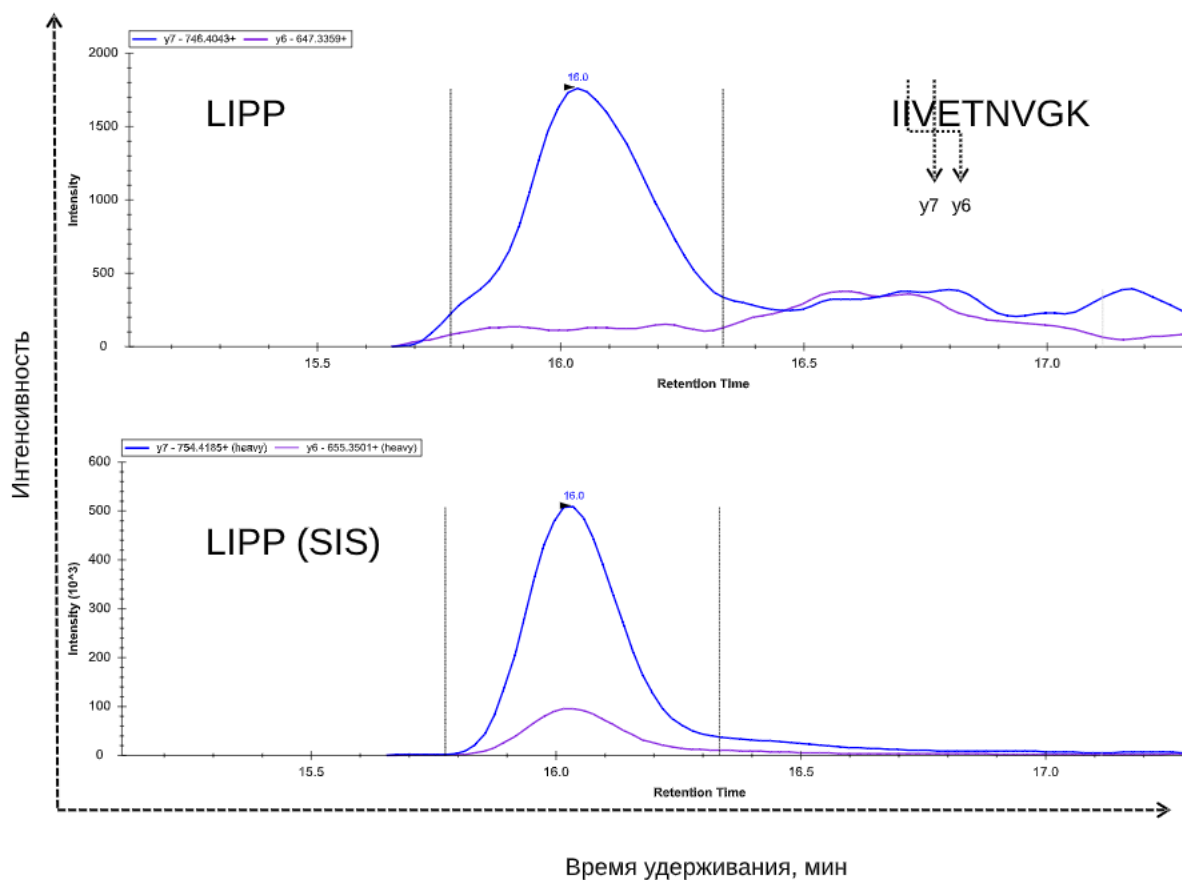


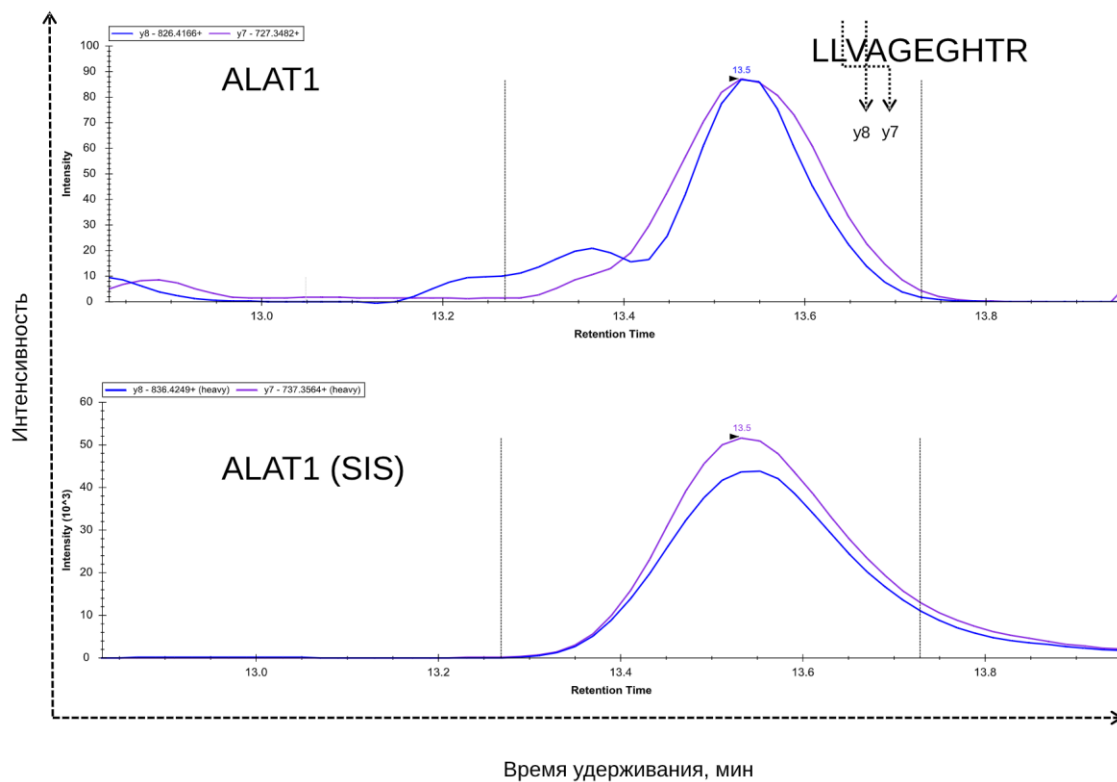
Рисунок 8. Результаты MRM анализа для инсулиноподобного фактора роста (IGF1, GFYFNKPTGYGSSSR), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y – интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 8.** The results of MRM analysis for insulin-like growth factor I (IGF1, GFYFNKPTGYGSSSR), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



**Рисунок 9.** Результаты MRM анализа для панкреатической липазы (LIPP, IIVETNVGK), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y- интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 9.** The results of MRM analysis for pancreatic triacylglycerol lipase (LIPP, IIVETNVGK), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).



**Рисунок 10.** Результаты MRM анализа для аланинаминотрансферазы (АЛТ) (ALAT1, LLVAGEGHTR), на панели сверху показан сигнал от природного пептида, на панели снизу – сигнал от синтетического стандарта (SIS) (по оси x – время удерживания в минутах, по оси y-интенсивность сигнала) (визуализация в ПО Skyline).

**Figure 10.** The results of MRM analysis for alanine aminotransferase 1 (ALAT1, LLVAGEGHTR), the top panel shows the signal from a natural peptide, the bottom panel shows the signal from the synthetic isotopically labeled standard (SIS) the retention time in minutes is on x-axis, the signal intensity is on y-axis (visualization in Skyline software).