Suppl. Figure 1(a)

Jur wt DMSO

Jur wt 6-MP

Jur wt 6-TG

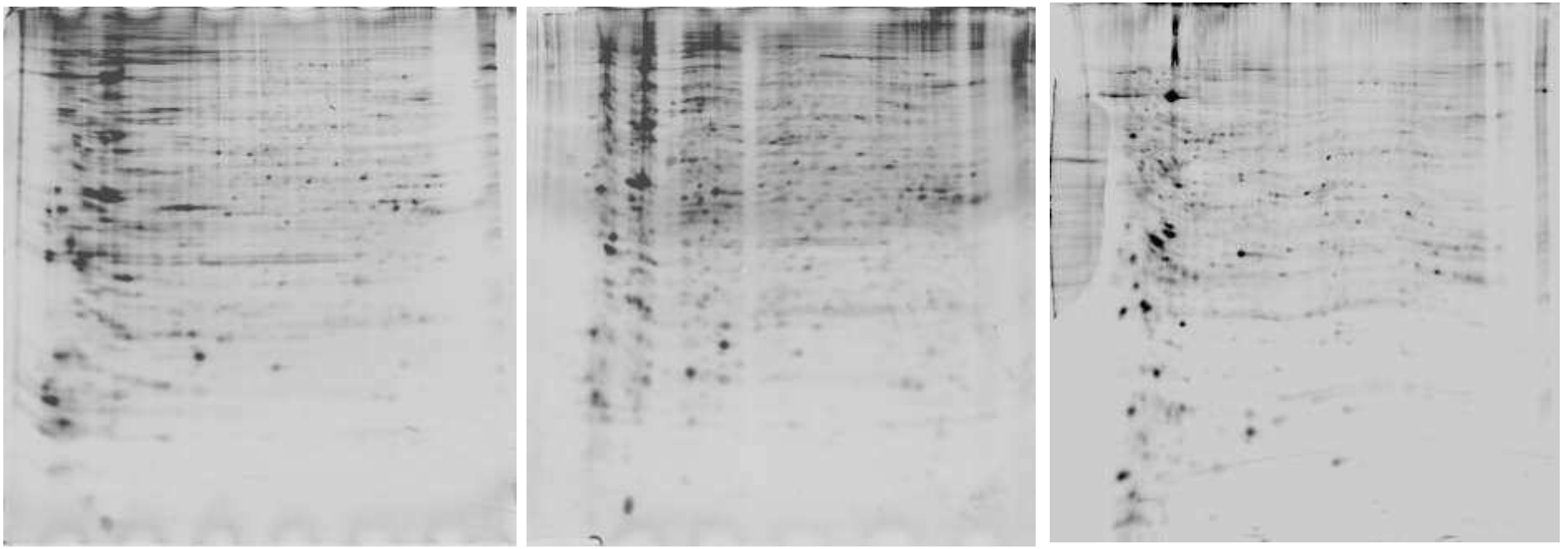
Jur kd DMSO

Jur kd 6-MP

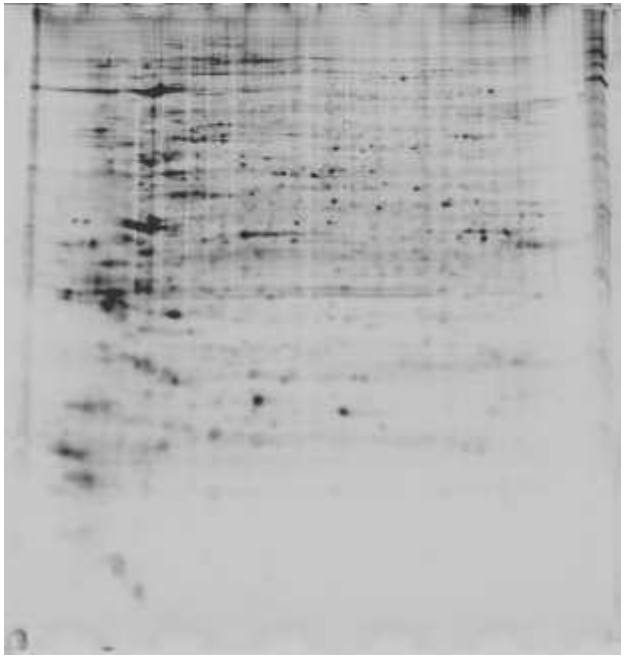
Jur kd 6-TG

Suppl. Figure 1(b)

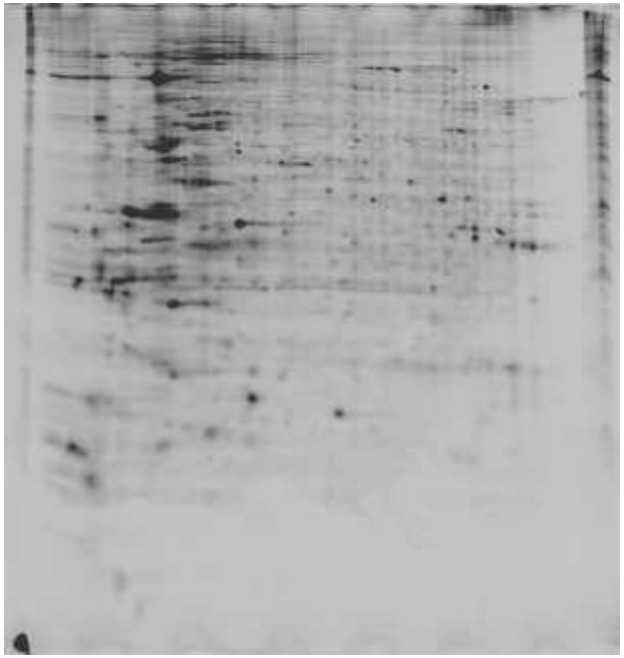
Jur wt DMSO

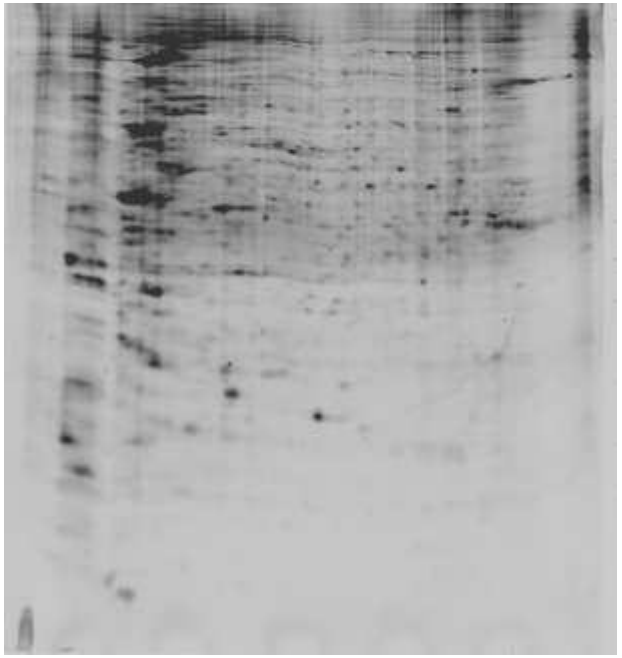


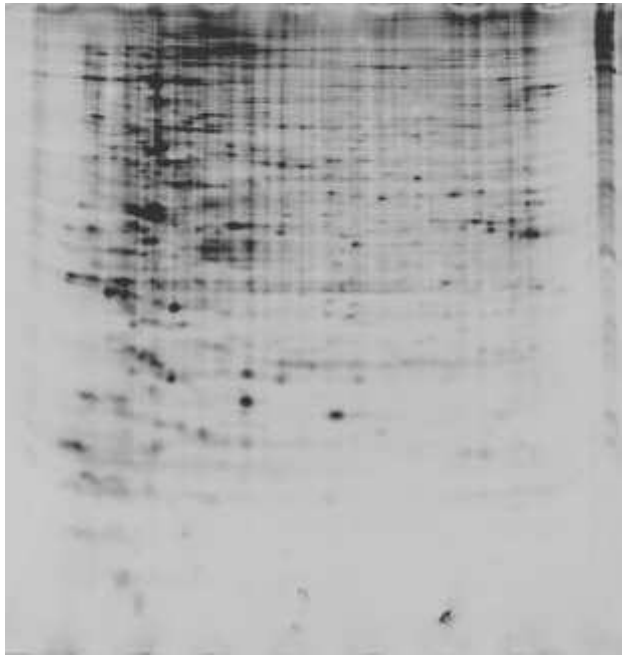
Jur wt 6-MP

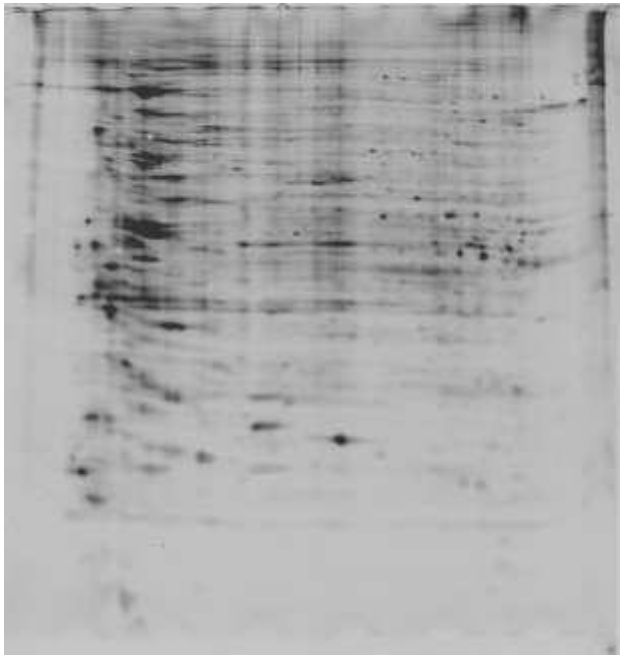


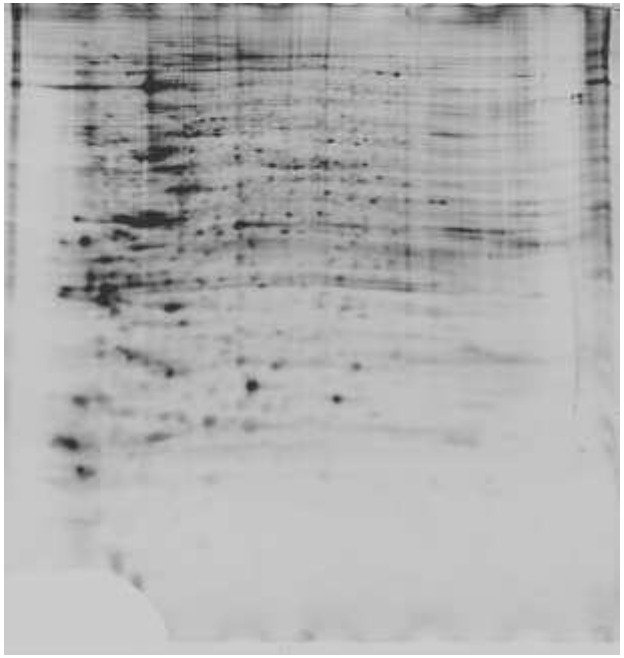
Jur wt 6-TG



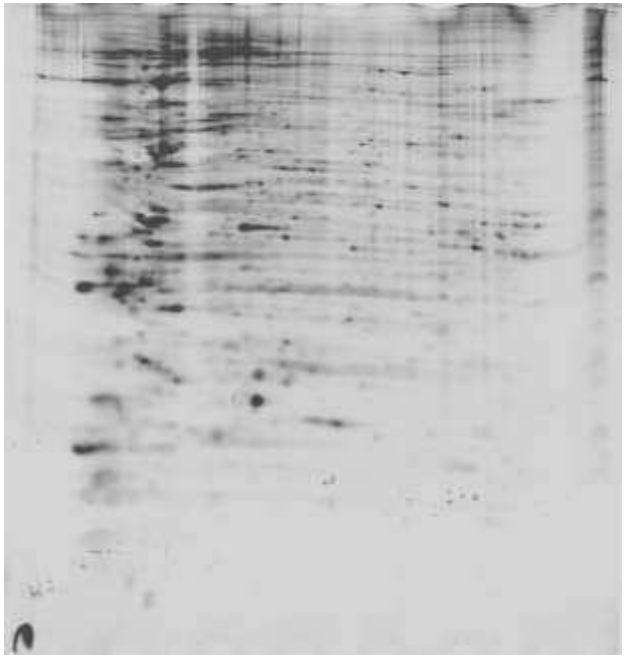


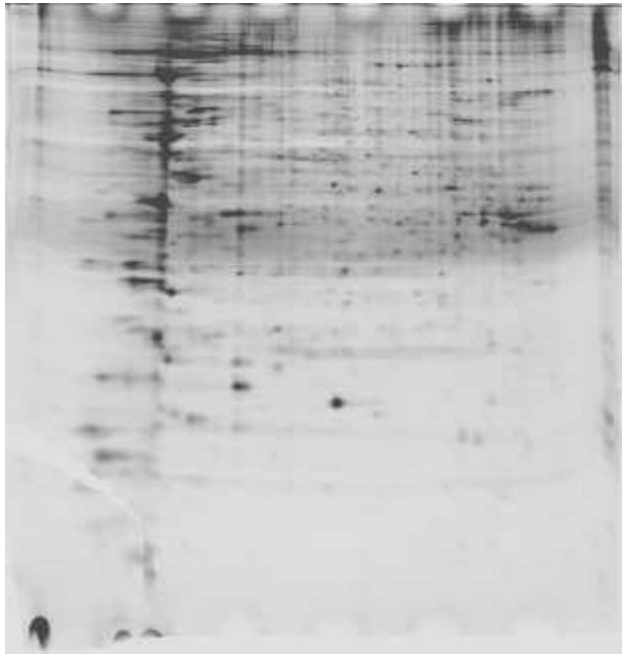


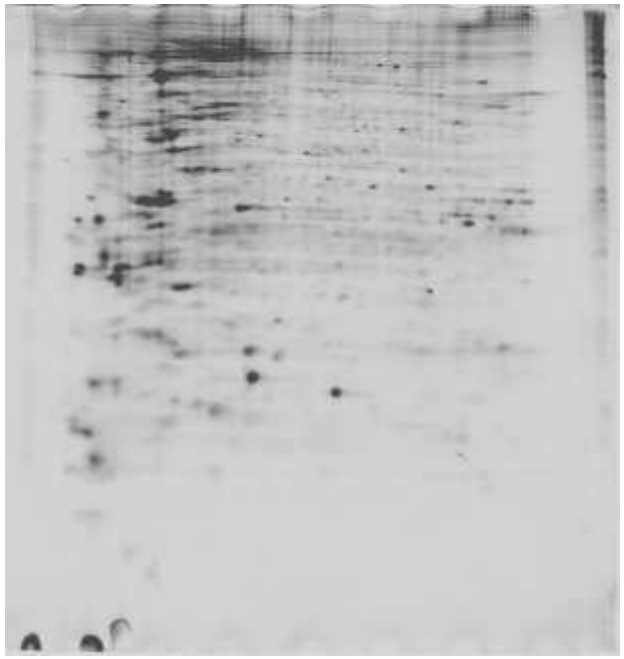


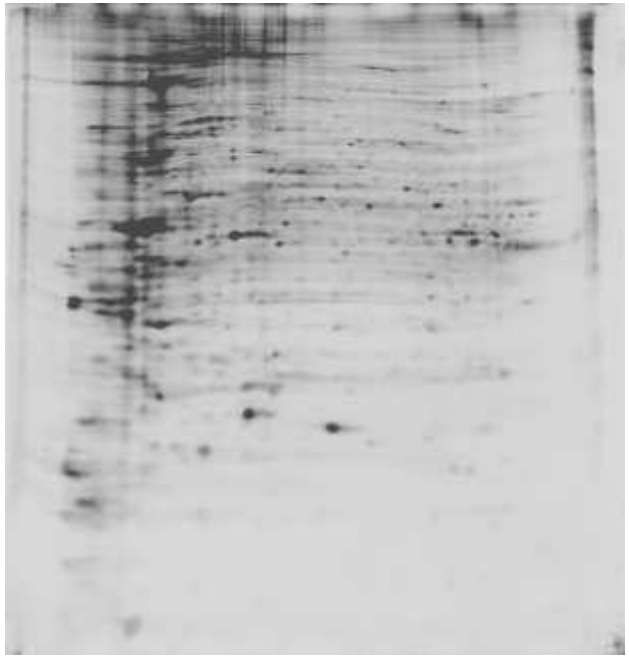


Jur kd DMSO

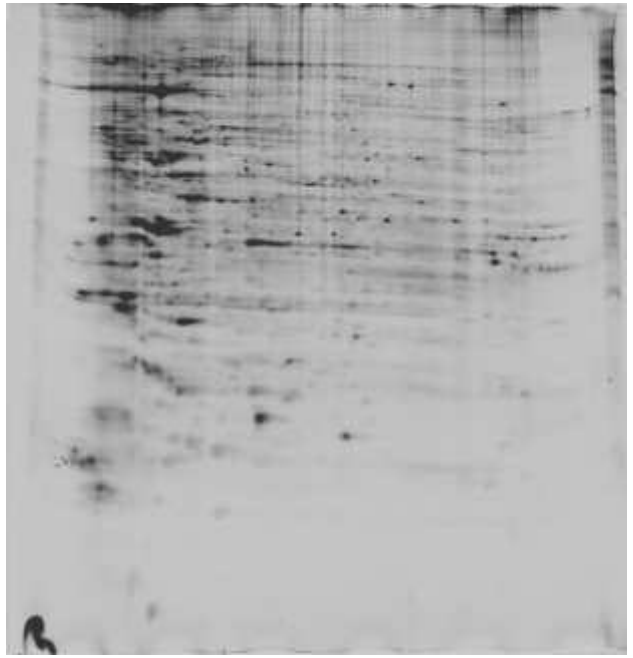


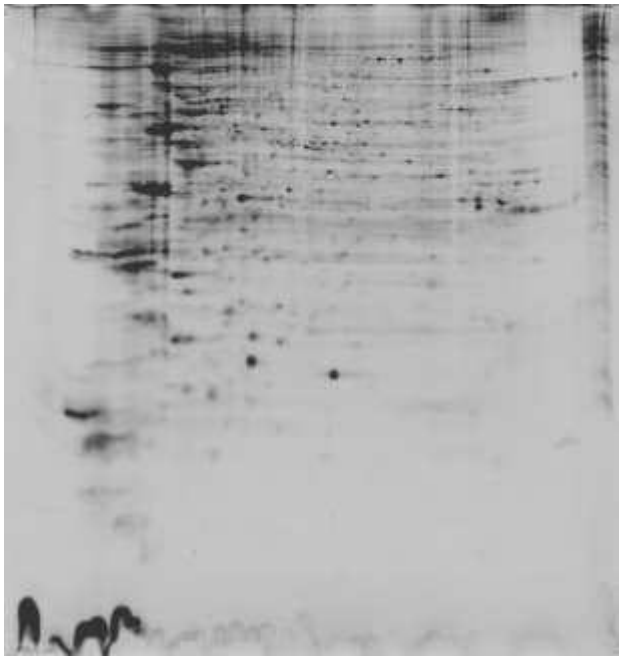


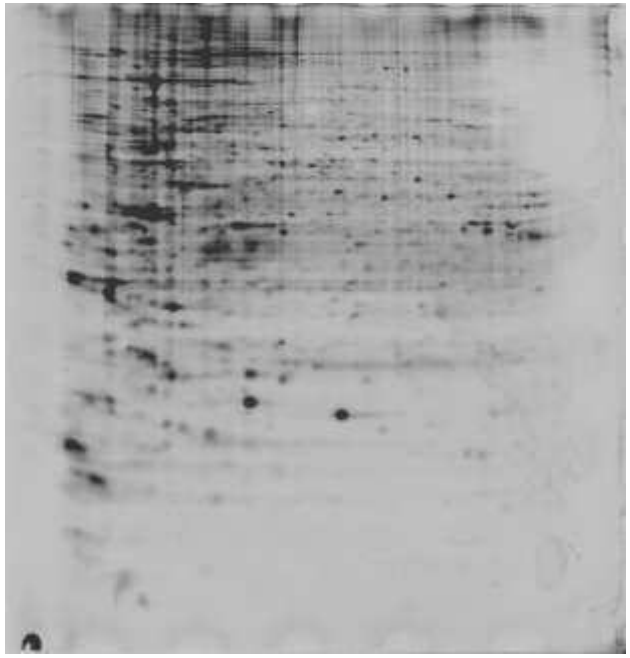


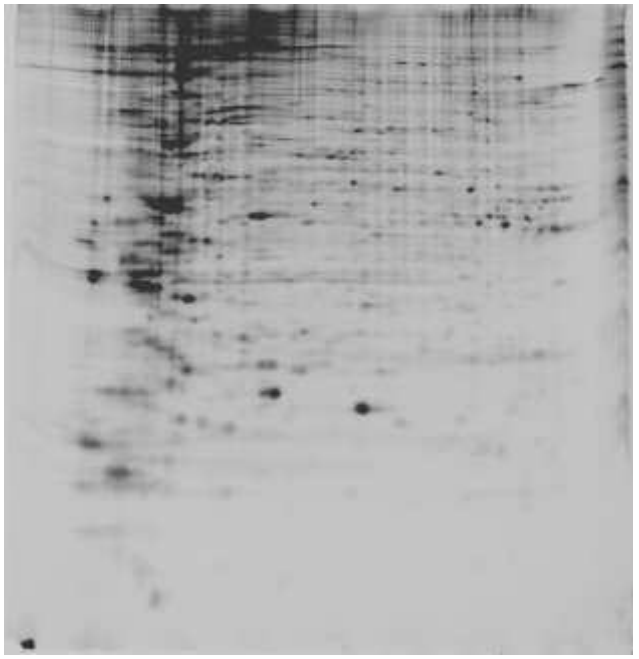


Jur kd 6-MP

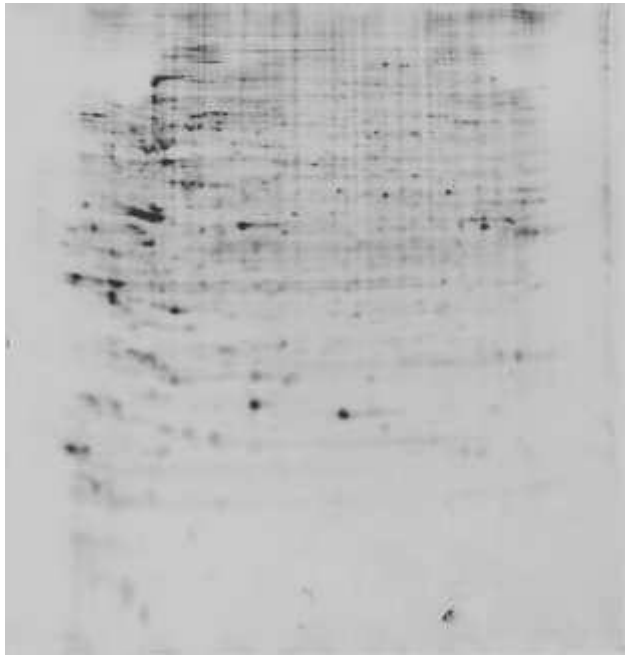


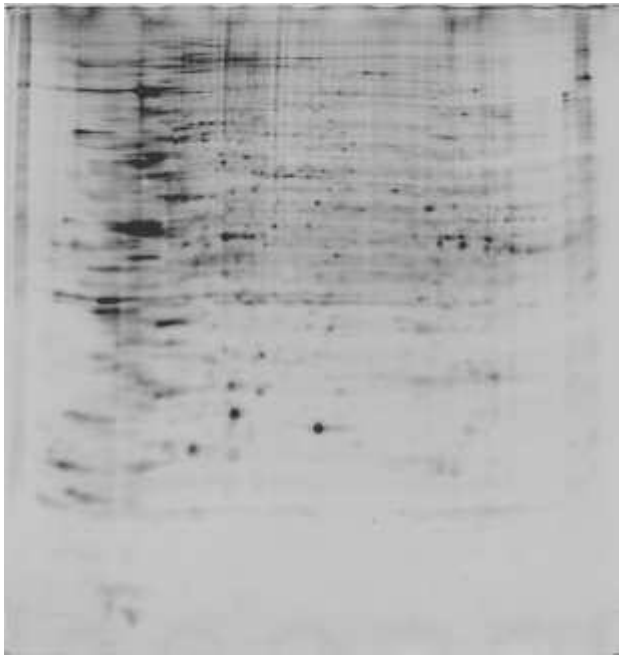




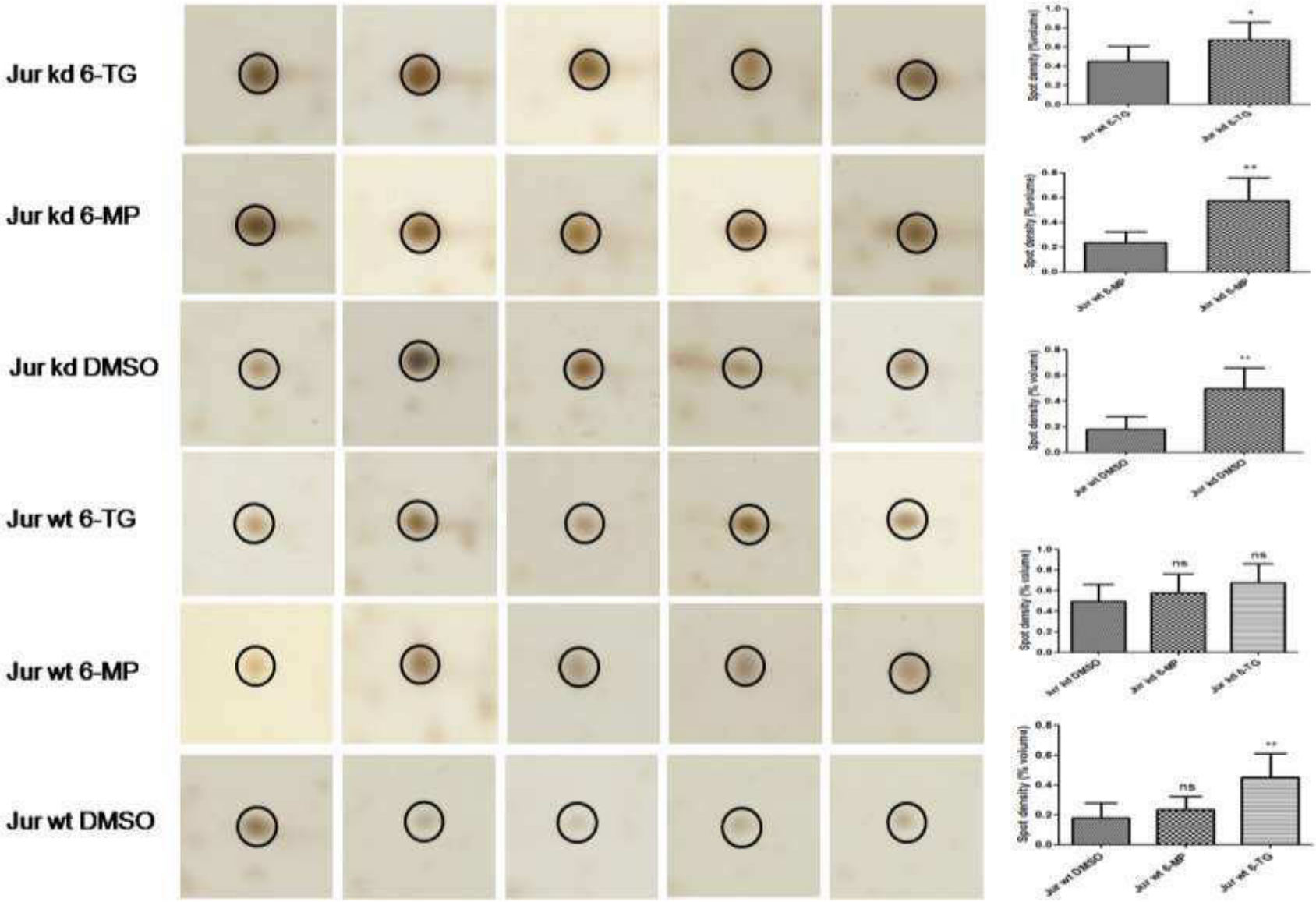


Jur kd 6-TG

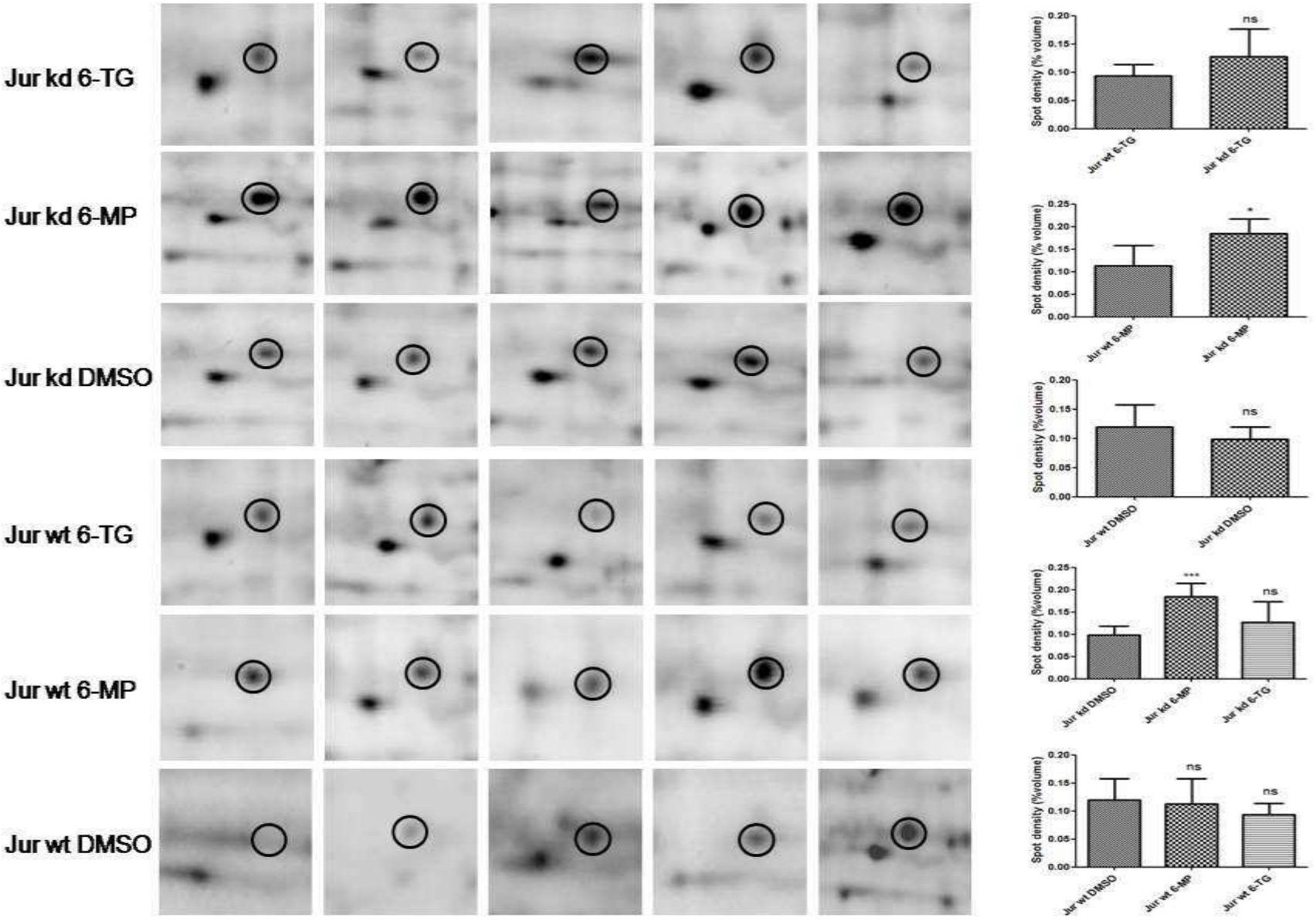




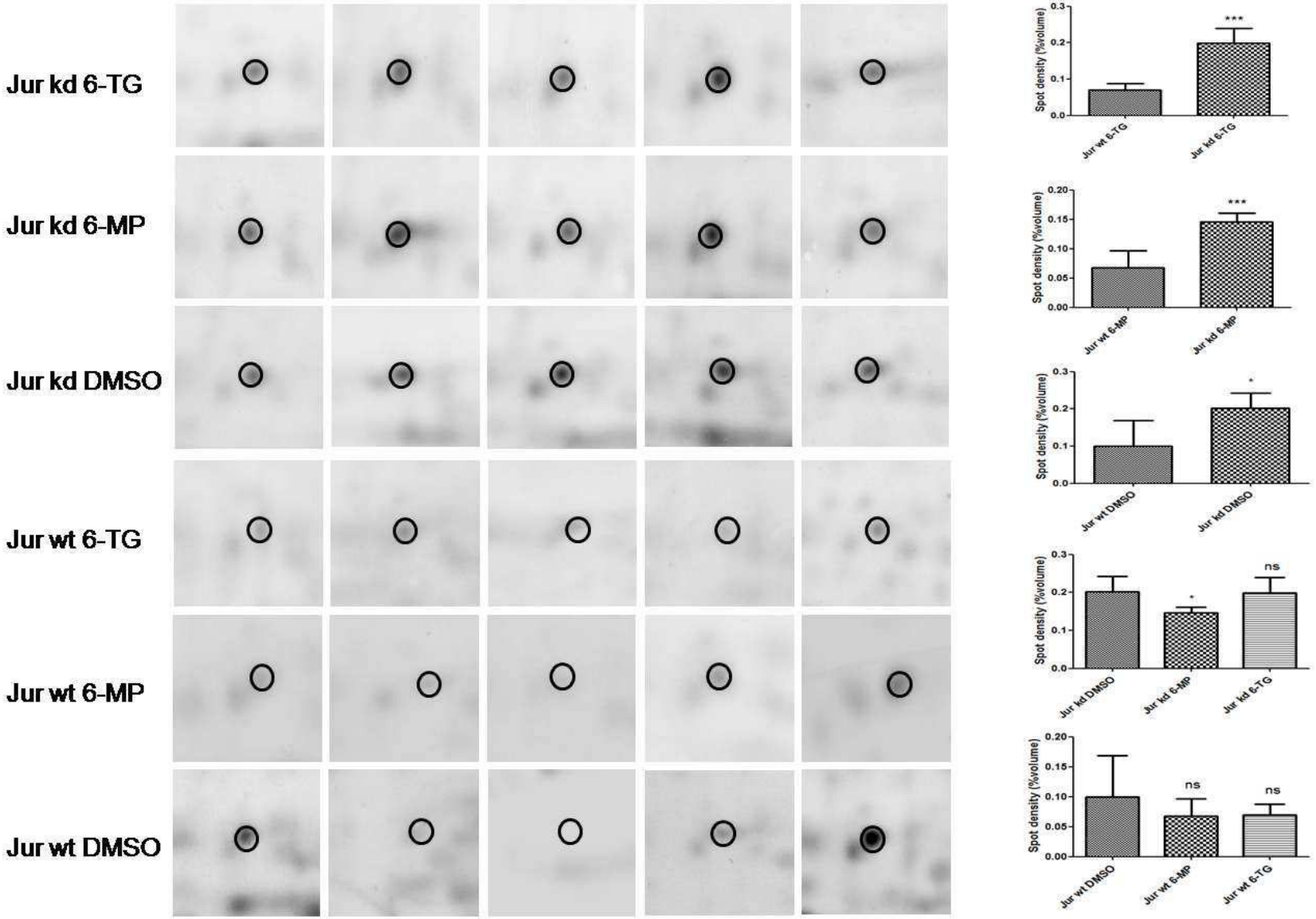
Suppl. Figure 2(a)



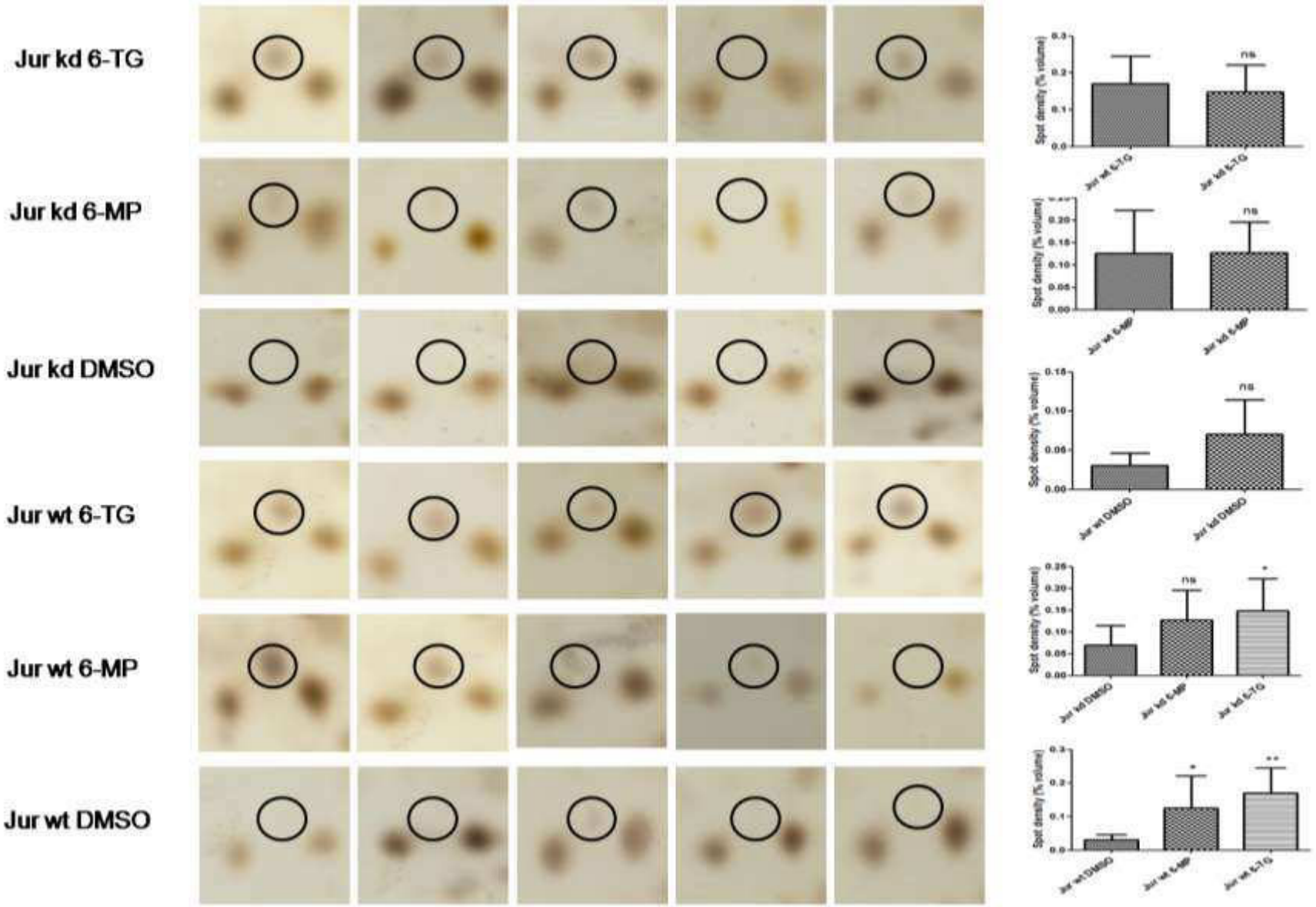
Suppl. Figure 2(b)



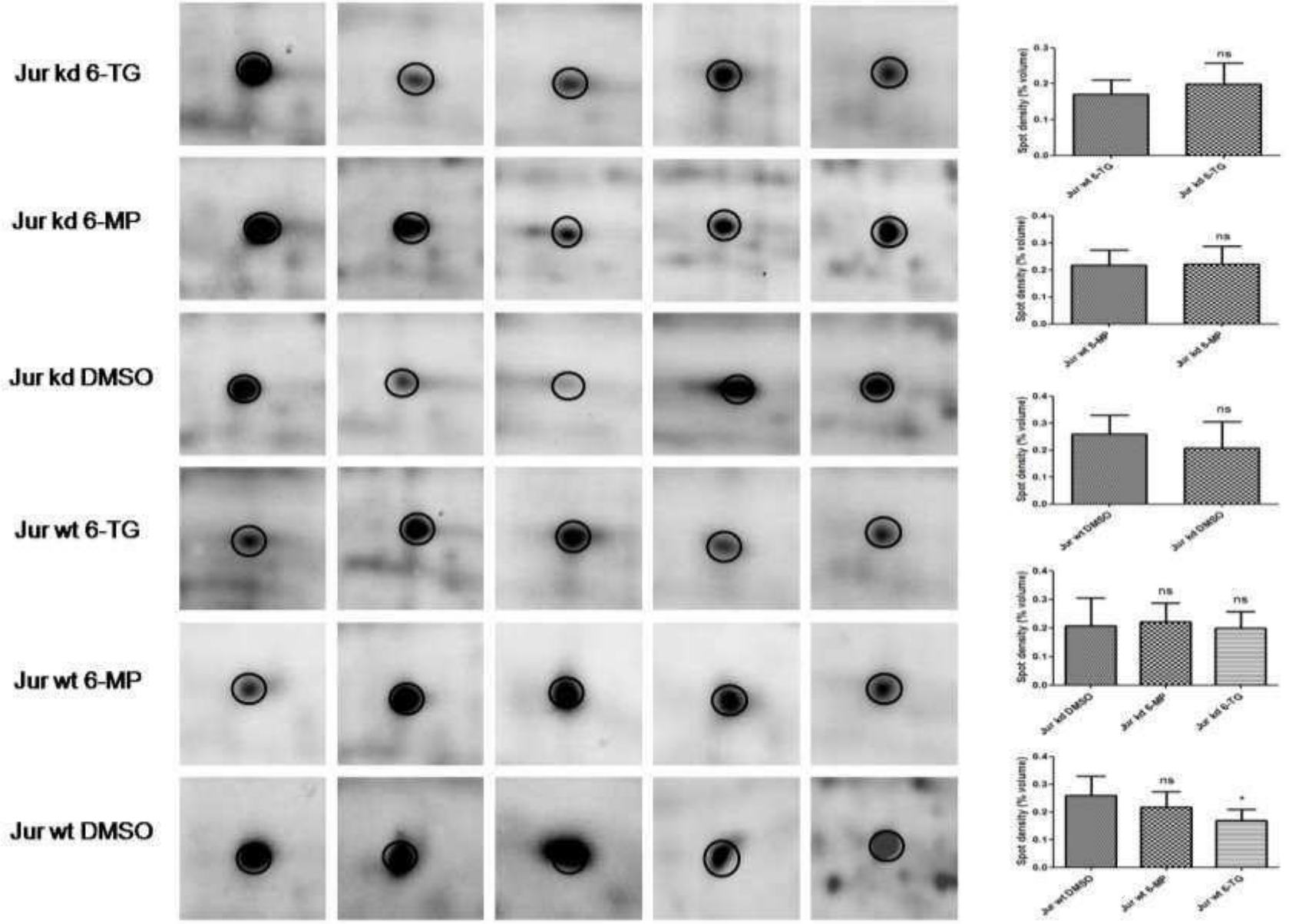
Suppl. Figure 3



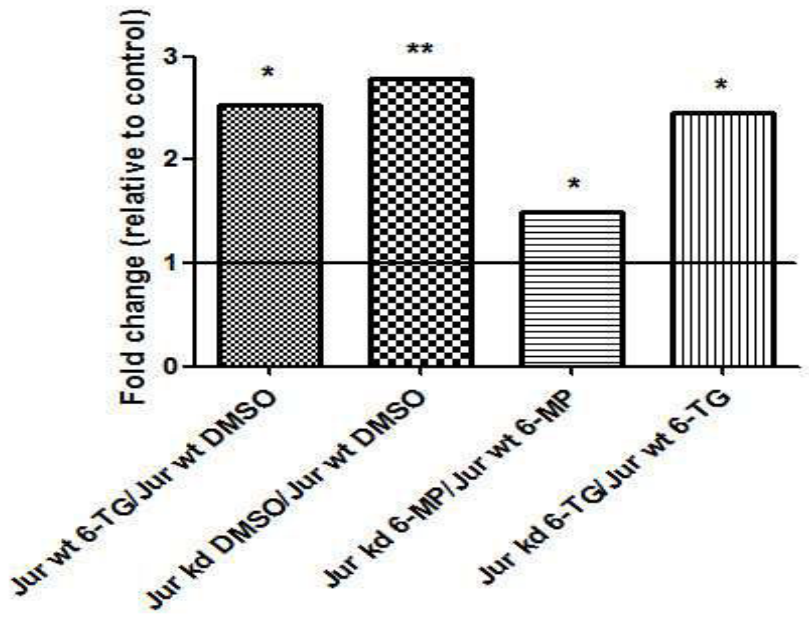
Suppl. Figure 4(a)



Suppl. Figure 4(b)



Suppl. Figure 5(a)



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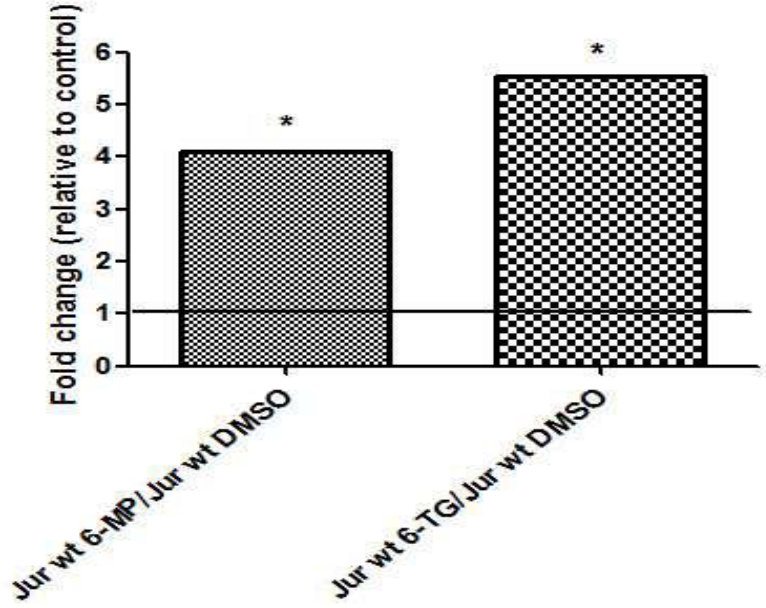

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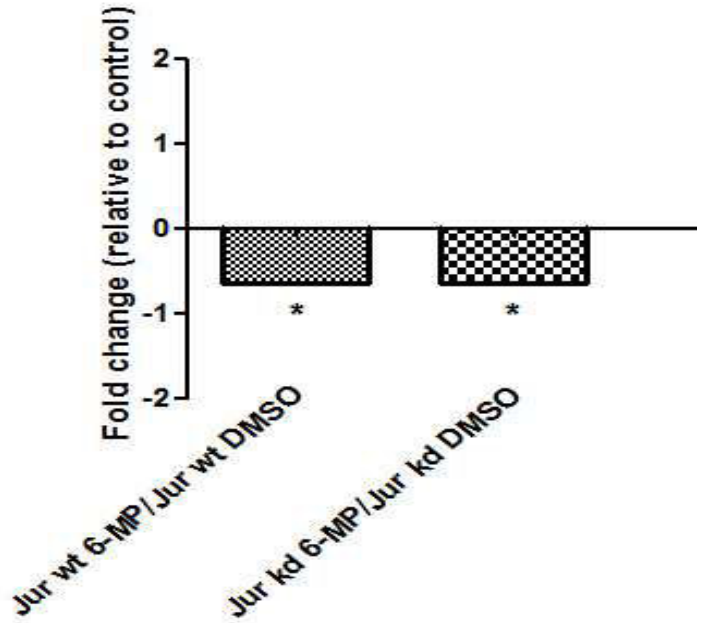
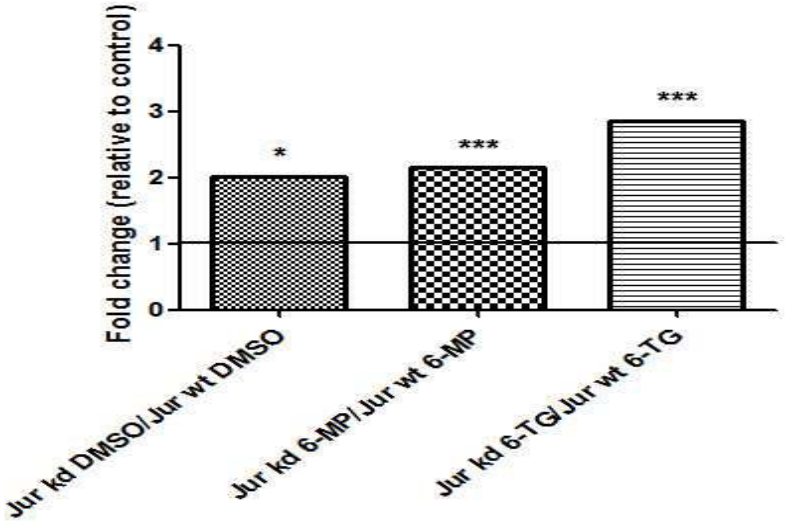


Suppl. Figure 6(a)



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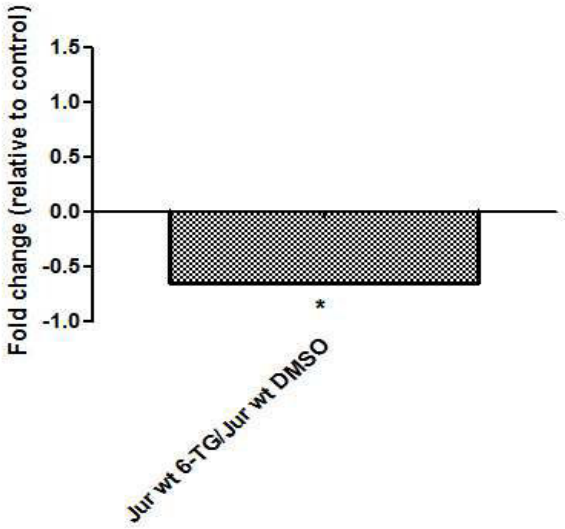

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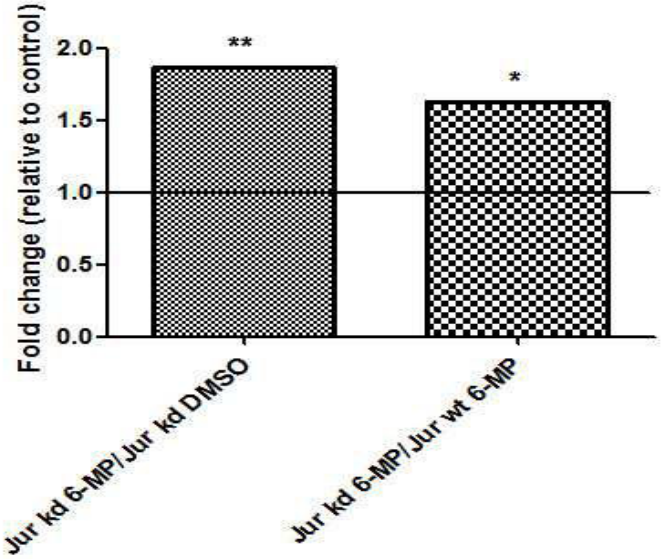
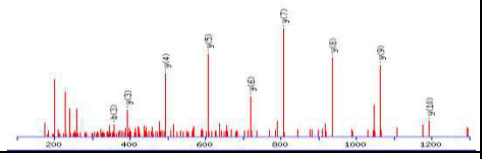
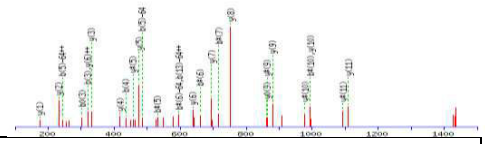
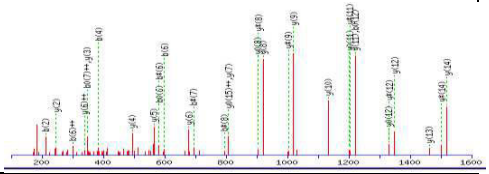
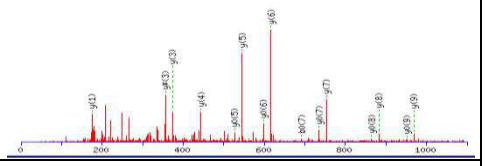
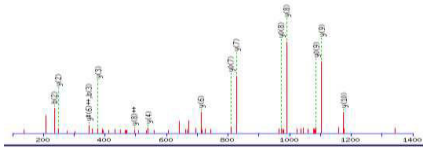
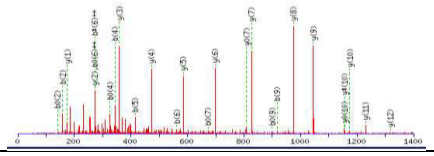
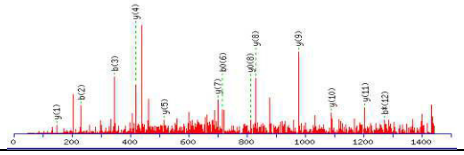
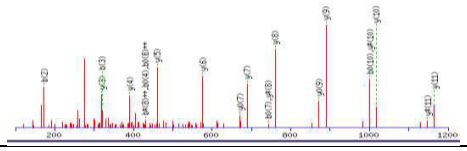
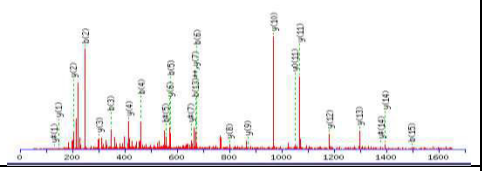


Table S I: MS/MS analysis table for differentially regulated proteins identified by Q-TOF MS/MS analysis

Footnotes: [1]Mass 1 = Molecular mass of the protein observed in Mascot search. [2]Mascot score 2 = >40 indicate identification or extensive homology ($p < 0.05$). [3]Peptide matched 3= Number of peptides matched with protein in MS/MS query. [4]pI 4 = Isoelectric point of the protein observed in Mascot search.

Spot no.	Acc. no.	Mass[1] (kDa)	pI[4]	Mascot Score[2]	Peptide matched[3]	Sequence Coverage	Protein name	MS/MS Analysis
1	Q9UBB4	53,5	5,12	82	3	4%	ATX10	1 MAAPRPPPAR LSGVMVPAPI QDLEALRALT ALFKEQRNRE TAPRTIFQRV 51 LDILKKSSHA VELACRDPSQ VENLASSLQL ITECFRCLRN ACIECSVNQN 101 SIRNLDTIGV AVDLILLFRE LR**VEQESLLT AFR**CGLQFLG NIASRNEDSQ 151 SIVWVHAFPE LFLSCLNHPD KKIVAYSSMI LFTSLNHERM KELEENLNIA 201 IDVIDAYQKH PESEWPFLII TDLFLKSPEL VQAMFPKLNN QERVTLLDLM 251 IAKITSDEPL TKDDIPVFLR HAELIASTFV DQCKTVLKLA SEEPPDDEEA 301 LATIRLLDVL CEMTVNTELL GYLQVFPGLL ERVIDLLRVI HVAGKETTNI 351 FSNCGCVRAE GDISNVANGF KSHLIRLIGN LCYKNKDNQD KVNELDGIPL 401 ILDNCNISDS NPFLTQWVIY AIR**NLTEDNS QNQDLIAKME EQGLADASLL** 451 **K**KVGFEVEKK GEKLILKSTR DTPKP 
2	Q9UFU4	36,9	6,37	304	9	17%	HNRH3	**1** MDWVMK**HNGP NDASDGTVR**L RGLPFGCSKE EIVQFFQGLE IVPNGITLTM **51** DYQGR**STGEA FVQFASK**EIA ENALGKHKER IGHR**YIEIFR** SSRSEIKGFY **101** DPPRRLLGQR PGPYDRPIGG RGGYYGAGRG SMYDRMRRGG DGYDGGYGGF **151** DDYGGYNNYG YGNDGFDDRM RDGRGMGGHG YGGAGDASSG FHGGHFVHMR **201** GLPFR**ATEND IANFFSPLNP IR**VHIDIGAD GRATGEADVE FVTHEDAVAA **251** MSKDKNNMQH RYIELFLNST PGGGSGMGGS GMGGYGR**DGM DNQGGYGSVG** **301** **R**MGMGNNYSG GYGTPDGLGG YGRGGGGSGG YYGQGGMSGG GWRGMY 
3	Q13011	35,8	8,16	174	6	14%	ECH1	**1** MAAGIVASRR LRDLLTRRLT GSNYPGLSIS LRLTGSSAQE EASGVALGEA **51** PDHSYESLRV TSAQKHVLHV QLNRPNKRNA MNKVFWREMV ECFNKISRDA **101** DCRAVVISGA GKMFTAGIDL MDMASDILQP KGDDVARISW YLRDIITRYQ **151** ETFNVIERCP KPVIAAVHGG CIGGGVDLVT ACDIR**YCAQD AFFQVK**EVDV **201** GLAADVGTLQ RLPK**VIGNQS LVNELAFTAR** KMMADEALGS GLVSRVFPDK **251** EVMLDAALAL AAEISSKSPV AVQSTK**VNLL YSR**DHSVAES LNYVASWNMS **301** MLQTQDLVK**S VQATTENKEL K**TVTFSKL 
4	Q96Q81	26,7	9,65	111	4	12%	DUT	**1** MTPLCPRPAL CYHFLTSLLR SAMQNARGTA EGRSRGTLRA RPAPRPPAAQ **51** HGIPRPLSSA GRLSQGCRGA STVGAAGWKG

								ELPKAGGSPA PGPETPAISP **101** SKRARPAEVG GMQLRFAR**LS EHATAPTR**GS ARAAGYDLYS AYDYTIPPME **151** KAVVK**TDIQI ALPSGCYGR**V APRSGLAAKH FIDVGAGVID EDYRGNVGVV **201** LFNFGKEKFE VKKGDR**IAQL ICER**IFYPEI EEVQALDDTE RGSGGFGSTG **251** KN 
5	P23528	18,5	8,22	110	3	16%	COF1	**1** MASGVAVSDG VIKVFNDMKV RKSSTPEEVK KRKKAVLFCL SEDKKNIILE **51** EGKEILVGDV GQTVDDPYAT FVKMLPDKDC R**YALYDATYE TK**ESKKEDLV **101** FIFWAPESAP LKSKMIYASS KDAIKKKLTG IKHELQANCY EEVKDRCTLA **151** EKLGGSAVIS LEGKPL 
6	P16949	17,3	5,76	181	5	29%	STMN1	**1** MASSDIQVKE LEKR**ASGQAF ELILSPR**SKE SVPEFPLSPP KKK**DLSLEEI** **51** **QK**KLEAAEER RKSHEAEVLK QLAEKREHEK EVLQK**AIEEN NNFSK**MAEEK **101** LTHKMEANKE NREAQMAAKL ERLREKDKHI EEVRKNK**ESK DPADETEAD** 
7	Q9P1F3	9	5,86	43	2	27%	ABRAL	1 MNVDHEVNLL VEEIHRLGSK NADGKLSVK**F GVLFRDDKCA NLFEALVGTL** 51 **K**AAKRRKIVT YPGELLLQGV HDDVDIILLQ D 
8	P10599	11,7	4,82	244	10	40%	THIO	**1** MVKQIESK**TA FQEALDAAGD K**LVVVDFSAT WCGPCKMIKP FFHSLSEKYS **51** NVIFLEVDVD DCQDVASECE VK**CMPTFQFF K**KGQK**VGEFS GANKEKLEAT** **101** **INELV** 
9	P07737	15	8,44	113	4	22%	PROF1	**1** MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAVPGK**TF VNITPAEVGV** **51** **LVGKDR**SSFY VNGLTLGGQK CSVIRDSLLQ DGEFSMDLRT K**STGGAPTFN** **101** **VTVTK**TDKTL VLLMGKEGVH GGLINKKCYE MASHLRRSQY 
10	P14174	12,5	4,74	175	4	17%	MIF	**1** M**PMFIVNTNV PR**ASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF **51** GGSSEPCALC SLHSIGKIGG AQNRSYSK**LL CGLLAER**LRI SPDRVYINYY **101** DMNAANVGWN NSTFA

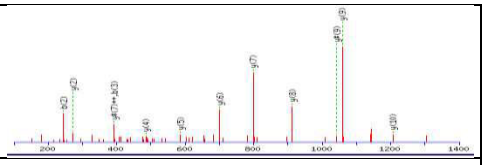
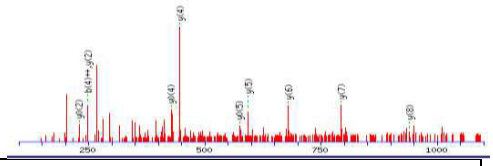
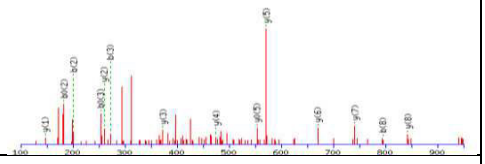
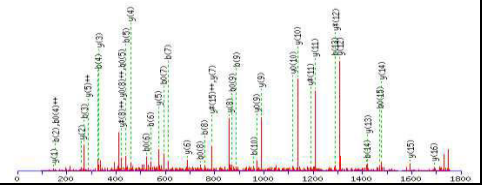
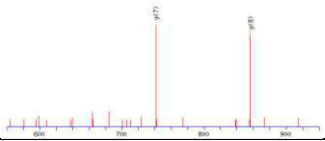
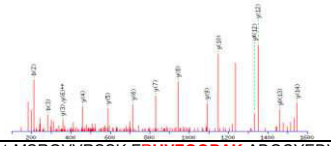
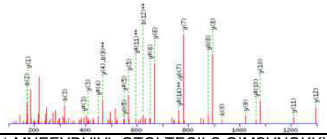
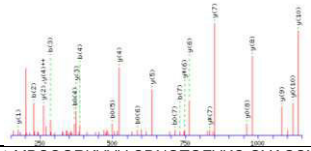
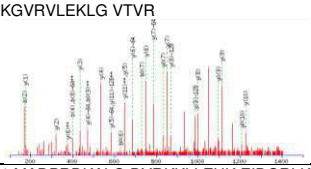
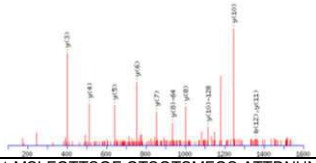
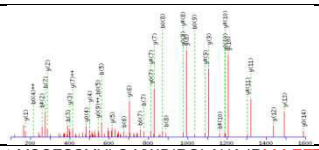
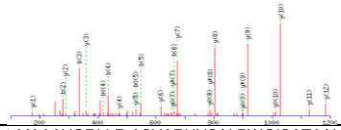
								
11	P69905	15,2	8,72	31	2	6%	HBA	1 MVLSPADKTN VKAAWGKVGA HAGEYGAEAL ER**MFLSFPTT K**TYFPHFDLS 51 HGSAQVKGHG KKVADALTNA VAHVDDMPNA LSALSDLHAH KLRVDPVNFK 101 LLSHCLLVTL AAHLPAEFTP AVHASLDKFL ASVSTVLTSK YR 
12	Q9BRA2	13,9	5,4	187	5	15%	TXD17	**1** MARYEEVSVS GFEEFHRAVE QHNGK**TIFAY FTGSK**DAGGK SWCPDCVQAE **51** PVVREGLKHI SEGCVFIYCQ VGEKPYWKDP NNDFRKNLK**V TAVPTLLK**YG **101** TPQKLVESEC LQANLVEMLF SED 
13	P58546	12,8	5,27	118	3	14%	MTPN	**1** MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI **51** LEFLLLKGAD INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVK**GPD** **101 GLTAFEATDN QAIK**ALLQ 

Table S II: MS/MS analysis table for differentially regulated phospho proteins identified by Q-TOF MS/MS analysis

Footnotes: [1]Mass 1 = Molecular mass of the protein observed in Mascot search. [2]Mascot score 2 = >40 indicate identification or extensive homology ($p < 0.05$). [3]Peptide matched 3= Number of peptides matched with protein in MS/MS query. [4]pI 4 = Isoelectric point of the protein observed in Mascot search.

Spot no.	Acc. no.	Mass[1] (kDa)	pI[4]	Mascot Score[2]	Peptide matched[3]	Sequence Coverage	Protein name	MS/MS Analysis
1	Q01813	85,5	7,50	184	11	11%	K6PP	1 MDADDSRAPK GSLRKFLEHL SGAGKAIGVL TSGGDAQGMN AAVRAVVRMG 51 IYVGAKVYFI YEGYQGMVDG GSNIAEADWE SVSSILQVGG TIIGSARCQA 101 FRTREGRLKA ACNLLQRGIT NLCVIGGDGS LTGANLFRK**E** **WSGLLEELAR** 151 NGQIDKEAVQ KYAYLNVVGM VGSIDNDFCG TDMTIGTDSA LHR**IIEVVDA** 201 **IMTTAQSHQR TFVLEVMGR**H CGYLALVSAL ACGADWVFLP ESPPEEGWEE 251 QMCVKLSENR ARKKRLNIII VAEGAIDTQN KPITSEKIK**E** **LVVTQLGYDT** 301 **R**VTILGHVQR GGTPSAFDRI LASRMGVEAV IALLEATPDT PACVVSLNGN 351 HAVRLPLMEC VQMTQDVQKA MDER**RFQDAV** **R**LRGRSFAGN LNTYKRLAIK 401 LPDDQIPKTN CNVAVINVGA PAAGMNAAVR SAVRVGIADG HR**MLAIYDGF** 451 **DGFAK**GQIKE IGWTDVGGWT GQGGSILGTK RVLPGKYLEE IATQMRTHSI 501 NALLIIGGFE AYLGLLELSA AREKHEEFCV PMVMVPATVS NNVPGSDFSI 551 GADTALNTIT DTCDRIKQSA SGTKRRVFII ETMGGYCGYL ANMGGLAAGA 601 DAAYIFEEPF DIR**DL**QSNVE **HLTEK**MKTTI QRGLVLRNES CSENYTTDFI 651 YQLYSEEGKG VFDCRKNVLG HMQQGGAPSP FDRNFGTKIS ARAMEWITAK 701 LKEARGRGKK **FTTDDSICVL GISKRNVIFQ PVAELKK**QTD FEHRIPKEQW 751 WLKLRPLMKI LAKYKASYDV SDSGQLEHVQ PWSV 
2	P40227	58	6,23	366	12	21%	TCPZ	1 MAAVKTLNPK AEVAR**AQAA**L **AVNISAARGL QDVLR**TNLGP KGTMK**MLVSG** 51 **AGDIK**LTKDG NVLLHEMQIQ HPTASLIAKV ATAQDDITGD GTTSNVLIIG 101 ELLKQADLYI SEGLHPR**IIT EGFEAAKEKA LQFLEEVKV**S **R**EMDRETLID 151 VARTSLRTKV HAELADVLTE AVVDSILAIK KQDEPIDLFM IEIMEMKHKS 201 ETDTSLIRGL VLDHGARHPD MKKRVEDAYI LTCNVSLEYE K**TEVNSGFFY** 251 **K**SAEEREKLV KAERKFIEDR VKKIIELKRK VCGDSDKGFV VINQK**GI**D**PF** 301 **SLDALSKEGI VALR**RAKRRN MERLTLACGG VALNSFDDLS PDCLGHAGLV 351 YEYTLGEEKF TFIEKCNNPR SVTLLIKGPN KHTLTQIKDA VRDGLRAVKN 401 AIDDGCVVPG AGAVEVAMAE ALIKHKPSVK GR**AQLGVQAF ADALLIPKV** 451 **LAQNSGFDLQ ETLVK**IQAEH SESGQLVGVD LNTGEPMVAA EVGVWDNYCV 501 KKQLLHSCTV IATNILLVDE IMRAGMSSLK G 
3	P31146	51	6,25	131	6	10%	COR1A	1 MSRQVVRSSK F**R**H**VFGQPAK** ADQCYEDVR**V** **SQTTWDSGFC AVNPKFVALI** 51 **CEASGGGAFL VLPLGK**TGRV DKNAPTVCGH TAPVLDIAWC PHNDNVIASG 101 SEDCTVMVWE IPDGGLMLPL REPVVTLEGH TKRVGIVAWH TTAQNVLLSA 151 GCDNVIMVWD VGTGAAMLTL GPEVHPDTIY SVDWSRDGGL ICTSCRDKRV 201 RIIEPRKGTV VAEKDRPHEG TRPVR**AVFVS EGKILTTGFS** **R**MSER**QVALW** 251 **DTK**HLEEPLS LQELDTSSGV LLPFFDPDTN IVYLCGKGDS SIRYFEITSE 301 APFLHYLSMF SSKESQRGMG YMPKRGLEVN KCEIARFYKL

								HERRCEPIAM 351 TVPRKSDLFQ EDLYPPTAGP DPALTAEEWL GGR**DAGPLLI SLKDGYVPPK** 401 SRELRVNRGL DTGRRRAAPE ASGTPSSDAV SRLEEEMRKL QATVQELQKR 451 LDRLEETVQA K 
4	P50395	50,6	6,11	378	11	30%	GDIB	1 MNEEYDVIVL GTGLTECILS GIMSVNGKKV LHMDR**NPYYG GESASITPLE** 51 **DLYK**RFKIPG SPPESMGR**GR DWNVDLIPKF** LMANGQLVK**M LLYTEVTR**YL 101 DFK**VTEGSFV YKGGK**IYKVP STEAEALASS LMGLFEKRRF RK**FLVYVANF** 151 **DEKDPRTFEG IDPKK**TTMRD VYKKFDLGQD VIDFTGHALA LYR**TDDYLDQ** 201 **PCYETINRIK LYSESLAR**YG KSPYLYPLYG LGELPQGFAR LSAIYGGTYM 251 LNKPIEEIIV QNGKVIGVKS EGEIARCKQL ICDPSYVKDR VEKVGQVIRV 301 ICILSHPIKN TNDANSCQII IPQNQVNRKS DIYVCMISFA HNVAAQGK**YI** 351 **AIVSTTVETK** EPEK**EIRPAL ELLEPIEQKF VSISDLLVPK DLGTESQIFI** 401 **SR**TYDATTHF ETTCDDIKNI YKRMTGSEFD FEEMKRKKND IYGED 
5	P61160	44,7	6,30	72	2	3%	ARP2	1 MDSQGRKVVV CDNGTGFVKC GYAGSNFPEH IFPALVGRPI IRSTTKVGNI 51 EIK**DLMVGDE ASELR**SMLEV NYPMENGIVR NWDDMKHLWD YTFGPEKLNI 101 DTRNCKILLT EPPMNPTKNR EKIVEVMFET YQFSGVYVAI QAVLTLYAQG 151 LLTGVVVDSG DGVTHICPVY EGFSLPHLTR RLDIAGRDIT RYLIKLLLLR 201 GYAFNHSADF ETVRMIKEKL CYVGYNIEQE QKLALETTVL VESYTLPDGR 251 IIKVGGERFE APEALFQPHL INVEGVGVAE LLFNTIQAAD IDTRSEFYKH 301 IVLSGGSTMY PGLPSRLERE LKQLYLERVL KGDVEKLSKF KIRIEDPPRR 351 KHMVFLGGAV LADIMKDKDN FWMTRQEYQE KGVRVLEKLG VTVR 
6	P62333	44,1	7,10	244	10	27%	PRS10	1 MADPRDKALQ DYRKKLLEHK EIDGRLKELR EQLKELTK**QY EKSENDLKAL** 51 **QSVGQIVGEV LK**QLTEEKFI VKATNGPRYV VGCRRQLDKS KLKPGTR**VAL** 101 **DMTTLTIMR**Y LPREVDPLVY NMSHEDPGNV SYSEIGGLSE QIR**ELREVIE** 151 **LPLTNPELFQ R**VGII**PPKGC LLYGPPGTGK** TLLAR**AVASQ LDCNFLKVVS** 201 **SSIVDKYIGE SAR**LIR**EMFN YAR**DHQPCII FMDEIDAIGG RR**FSEGTSAD** 251 **R**EIQRTLMEL LNQMDGFDTL HRVKMIMATN RPDTLDPALL RPGRLDRKIH 301 IDLPNEQARL DILKIHAGPI TK**HGEIDYEA IVKLSDGFNG ADLRNVCTEA** 351 **GMFAIR**ADHD FVVQEDFMKA VRKVADSKKL ESKLDYKPV 
7	P78406	40,9	7,96	135	6	19%	RAE1L	1 MSLFGTTSGF GTSGTSMFGS ATTDNHNPMK DIEVTSSPDD SIGCLSFSPP 51 TLPGNFLIAG SWANDVRCWE VQDSGQTIPK AQQMHTGPVL DVCWSDDGSK 101 VFTASCDKTA KMWDLSSNQA IQIAQHDAPV KTIHWIKAPN YSCVMTGSWD 151 KTLKFWDTR**S SNPMMVLQLP ER**CYCADVIY PMAVVATAER **GLIVYQLENQ** 201 **PSEFR**RIESP LKHQHRCVAI FKDK**QNKPTG FALGSIEGRV AIHYINPPNP** 251 **AK**DNFTFKCH RSNGTNTSAP QDIYAVNGIA FHPVHGTLAT VGSDGR**FSFW** 301 **DKDAR**TKLKT SEQLDQPISA CCFNHNGNIF AYASSYDWSK GHEFYNPQKK 351 **NYIFLR**NAAE ELKPRNKK

								
8	P09211	23,3	5,43	432	6	49%	GSTM3	1 MSCESSMVLG YWDIRGLAHA IR**LLLEFTDT SYEEKR**YTCG EAPDYDRSQW 51 LDVKFKLDLD FPNLPYLLDG KNK**ITQSNAI LR**YIARKHNM CGETEEEKIR 101 **VDIIENQVMD FR**TQLIRLCY SSDHEKLKPQ YLEELPGQLK QFSMFLGKFS 151 WFAGEKLTFV DFLTYDILDQ NRIFDPK**CLD EFPNLK**AFMC RFEALEKIAA 201 YLQSDQFCKM PINNKMAQWG NKPVC 
9	P30048	27,6	7,67	113	6	22%	PRDX3	1 MAAAVGRLLR ASVARHVSAI PWGISATAAL RPAACGRTSL TNLLCSGSSQ 51 AKLFSTSSSC HAPAVTQHAP YFKGTAVVNG EFK**DLSLDDF KGK**YLVLFFY 101 PLDFTFVCPT EIVAFSDKAN EFHDVNCEVV AVSVDSHFSH LAWINTPRKN 151 GGLGHMNIAL LSDLTKQISR **DYGVLLEGSG LALRGLFIID PNGVIKHLSV** 201 **NDLPVGRSVE ETLRLVKA**FQ YVETHGEVCP ANWTPDSPTI KPSPAASKEY 251 FQKVNQ