
Supplementary information

Decoy exosomes provide protection against bacterial toxins

In the format provided by the
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Guide

Supplementary Figure 1: Uncropped Western blot gels and molecular size marker

Uncropped Western blot gels for Figure 1, Figure 2, Figure 4, Ext. Figure 1, Ext. Figure 2, Ext. Figure 3, Ext. Figure 4, Ext. Figure 6

Supplementary Table 1: Mass spec identification of proteins in the blood of mice following exposure to heat killed *S. aureus* or CpG DNA.

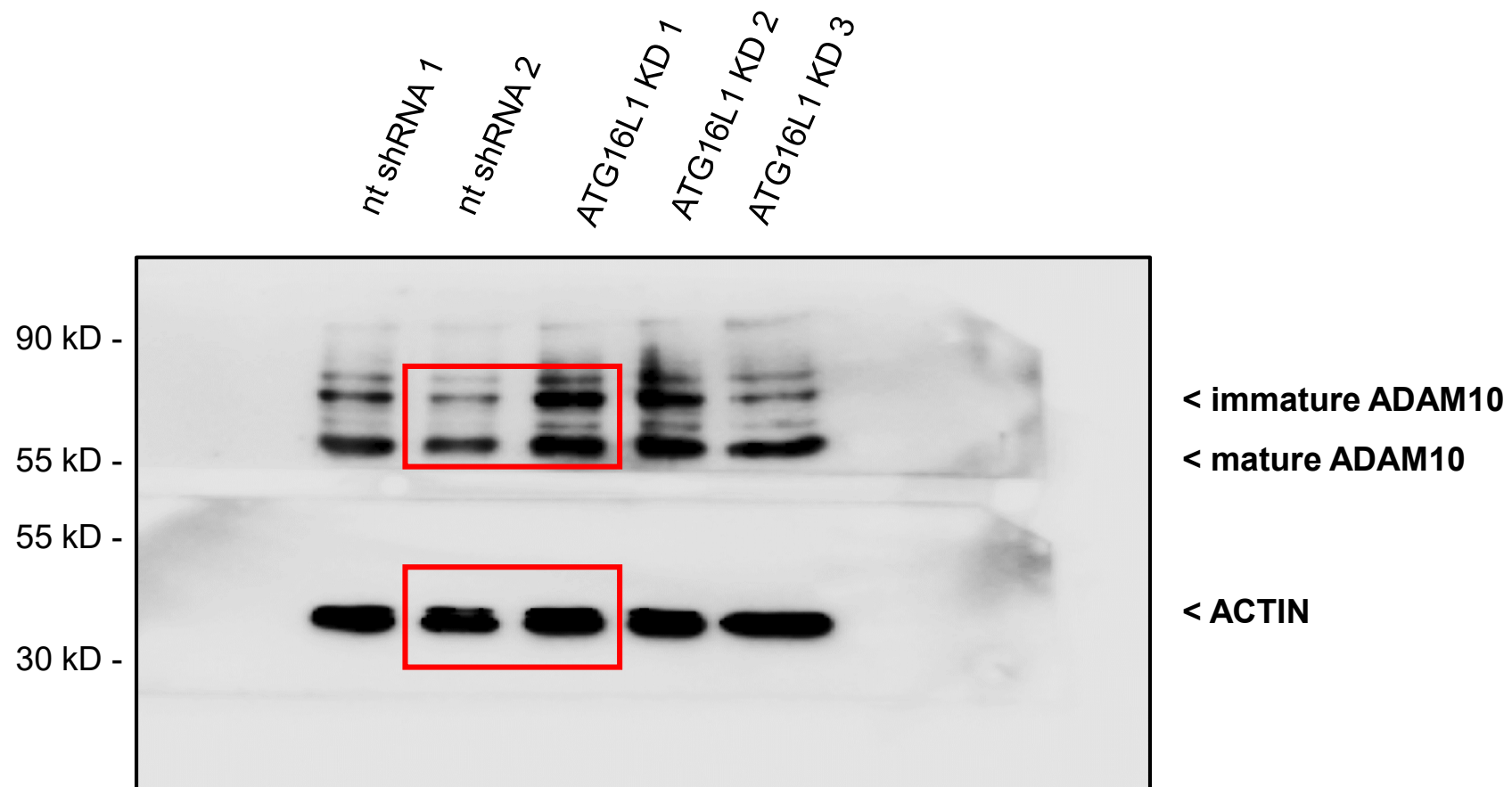
Complete list of mass spectrometry identified proteins in the blood of mice following 4 hour pre-exposure to 1×10^8 CFU HKSA or 20ug CpG DNA i.n. Includes Uniprot ID, protein description and peptide-spectrum match (PSM) number.

Supplementary Table 2: List of induced exosome proteins in blood of mice following challenge with heat killed *S. aureus* or CpG DNA. Includes Uniprot ID, protein description.

List of identified proteins annotated to exosomes using DAVID Bioinformatics Database Gene Ontology (GO) subcellular localization analysis.

Supplementary Table 3: List of induced exosome proteins in blood of mice also annotated from the liver following challenge with heat killed *S. aureus* or CpG DNA. Includes Uniprot ID, protein description

List of exosome proteins listed in Ext. Table 2 annotated in the liver by DAVID Bioinformatics Database tissue expression analysis



 = cropped area

Fig. 1c

*ACTIN Loading control was ran on same gel

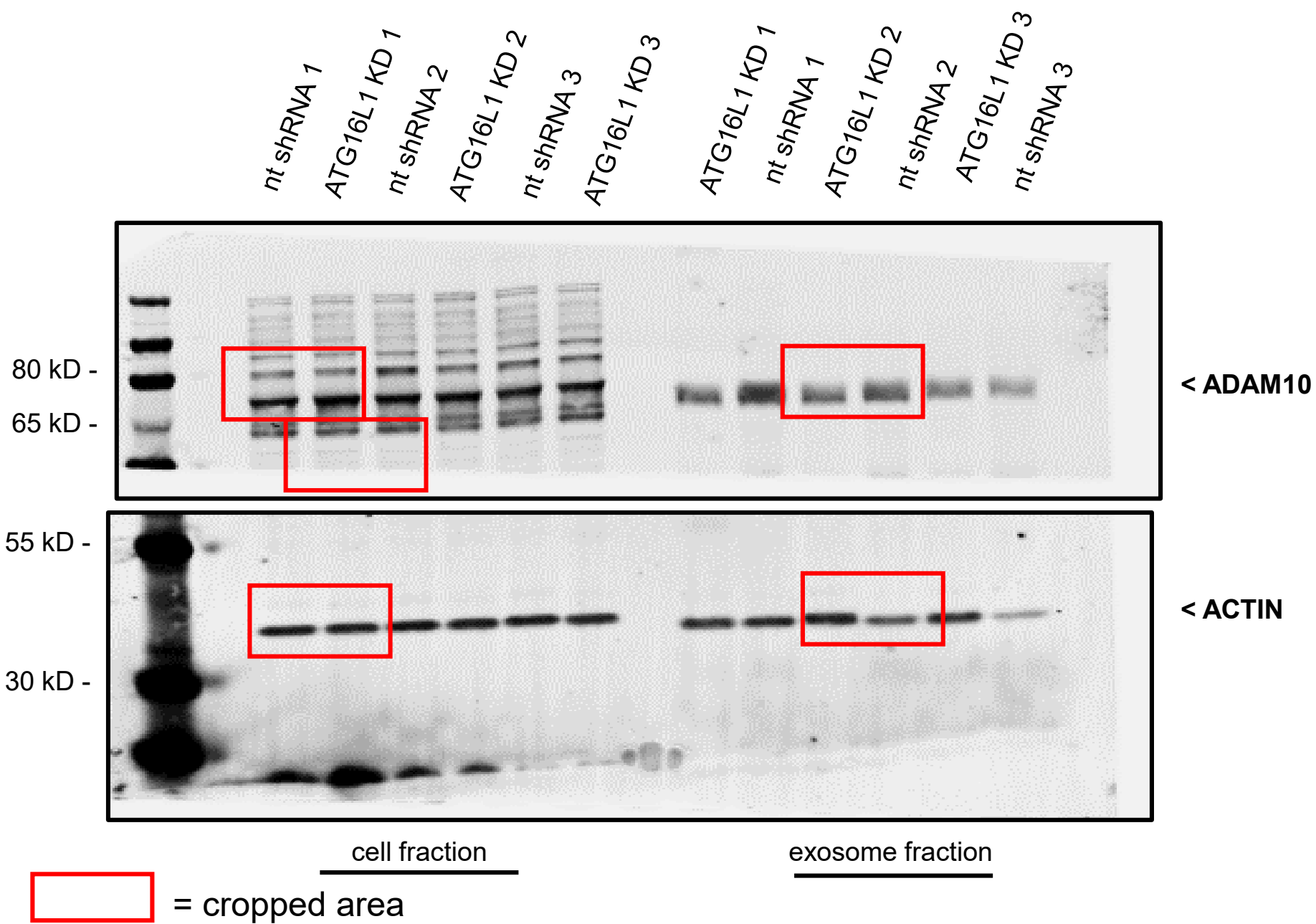
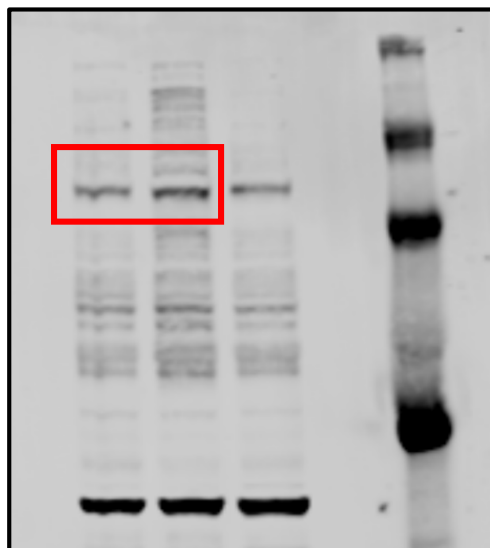


Fig. 2a

*Cell CD9 Loading control was ran on same gel

nt shRNA
STX17 KD

ADAM10 >



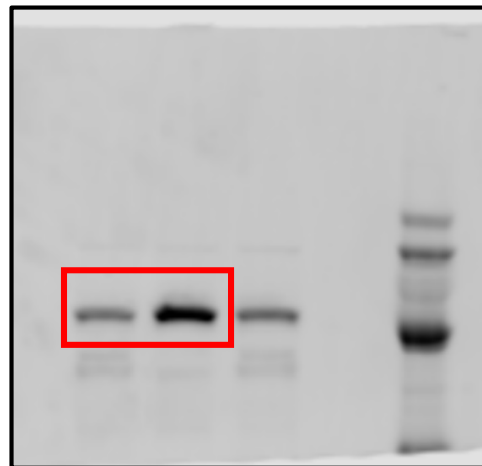
- 100 kD

- 70 kD

- 55 kD

ACTIN >

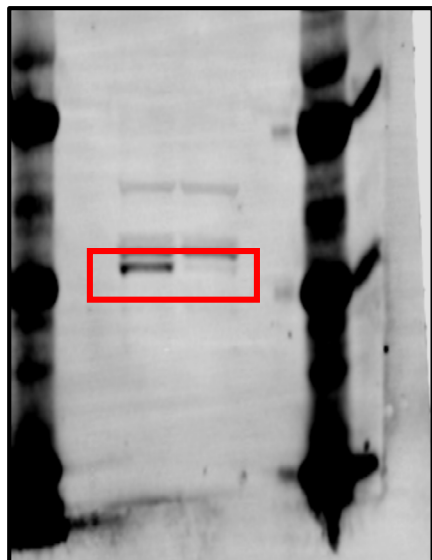
SQSTM1 >



- 70 kD

- 50 kD

STX17 >

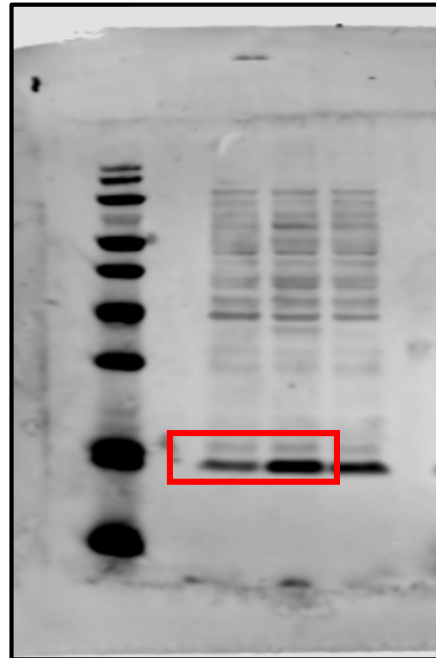


- 55 kD

- 30 kD

25 kD -

15 kD -



< LC3I

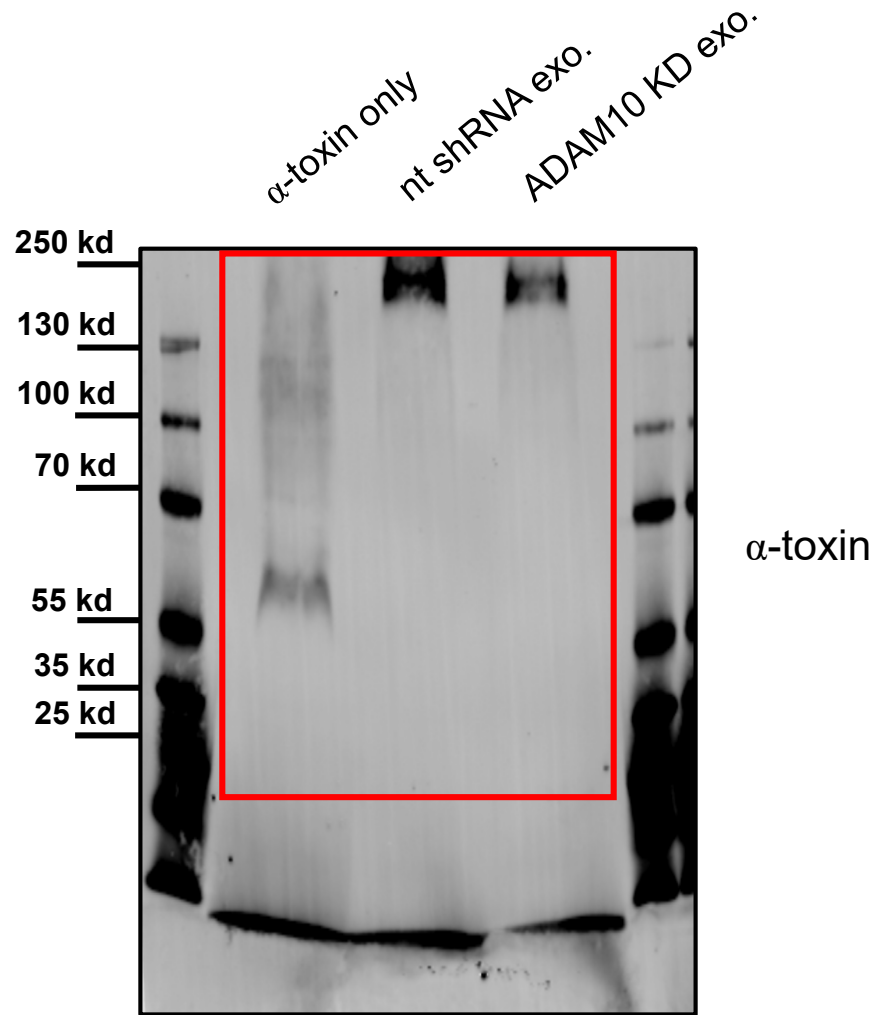
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= cropped area

Fig. 2j

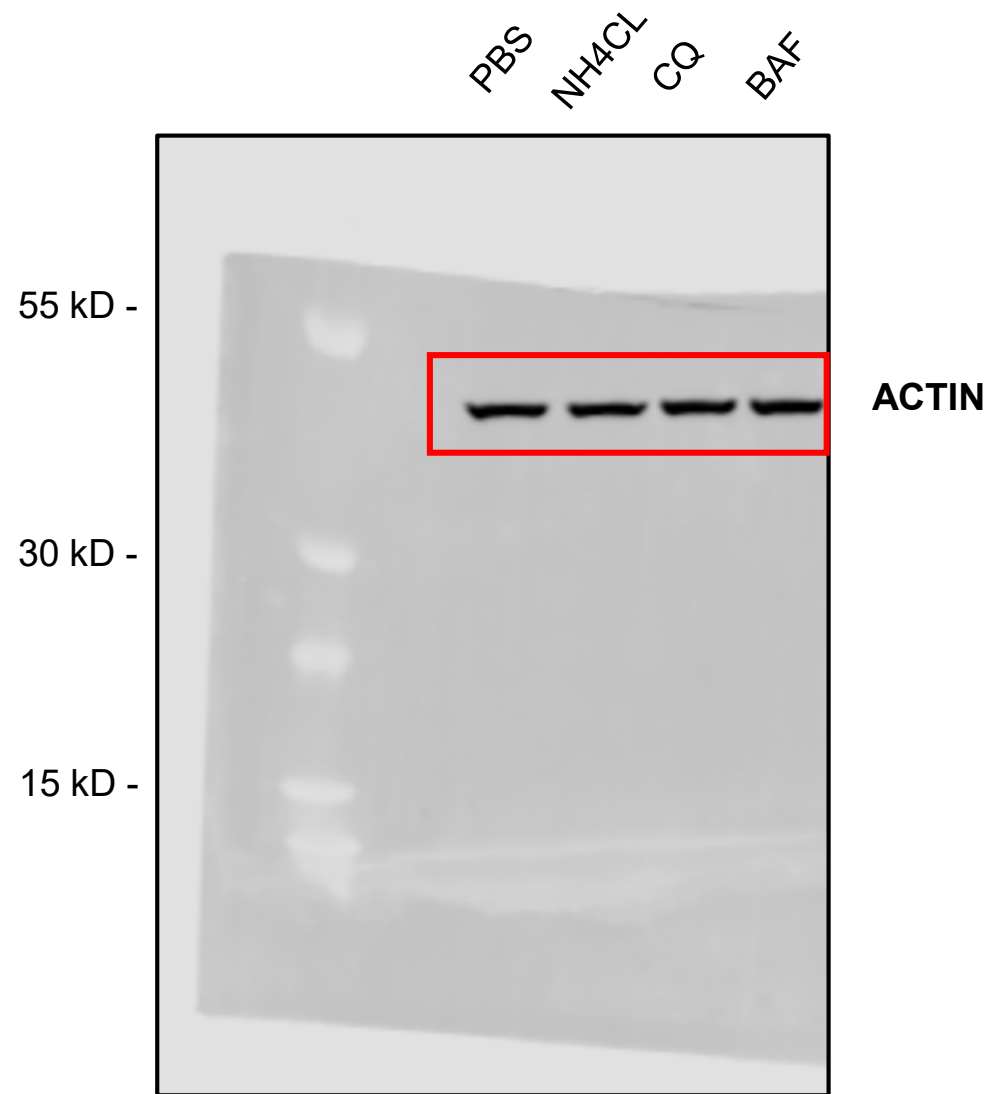
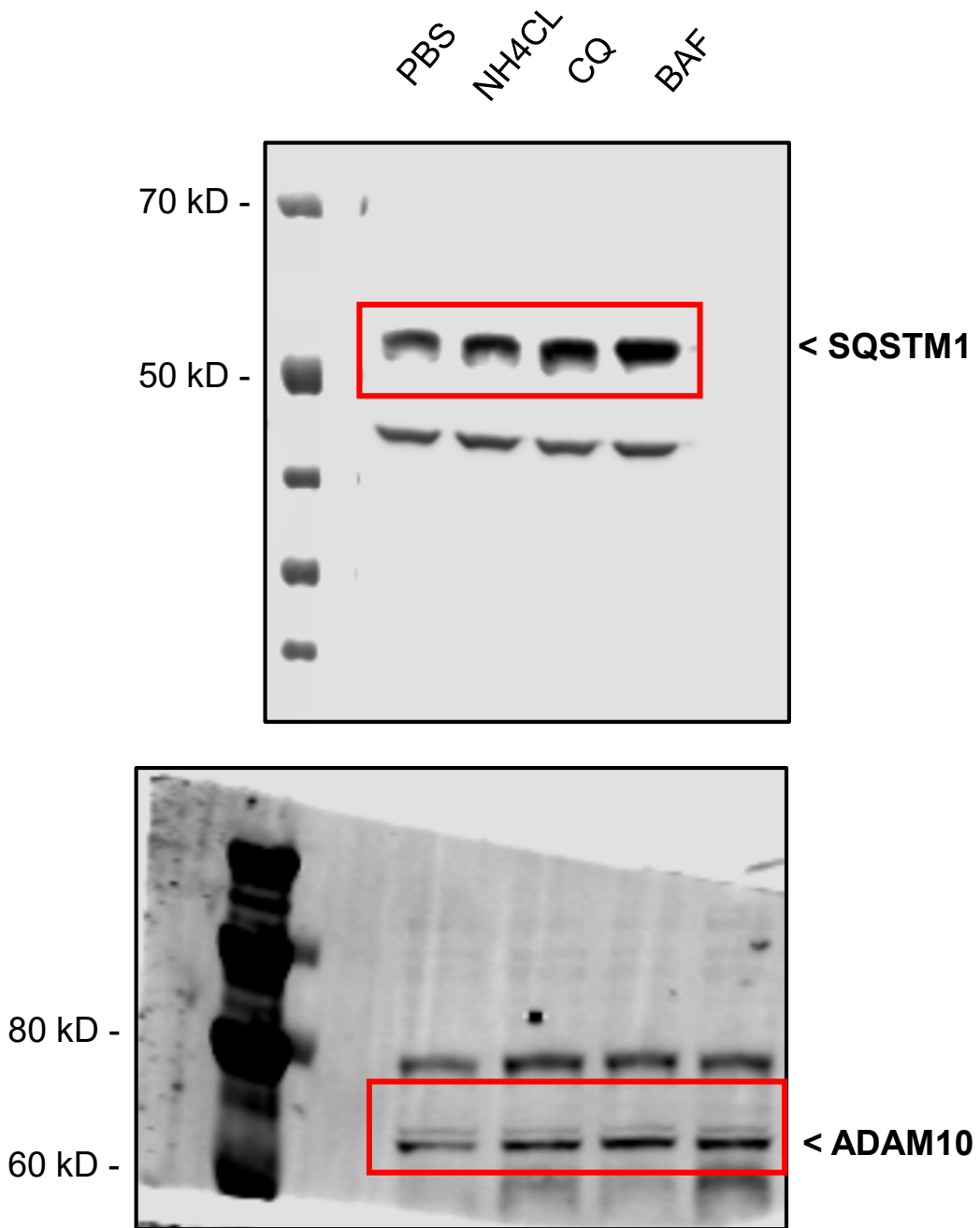
*ACTIN Loading control was ran on same gel



 = cropped area

Fig. 4c

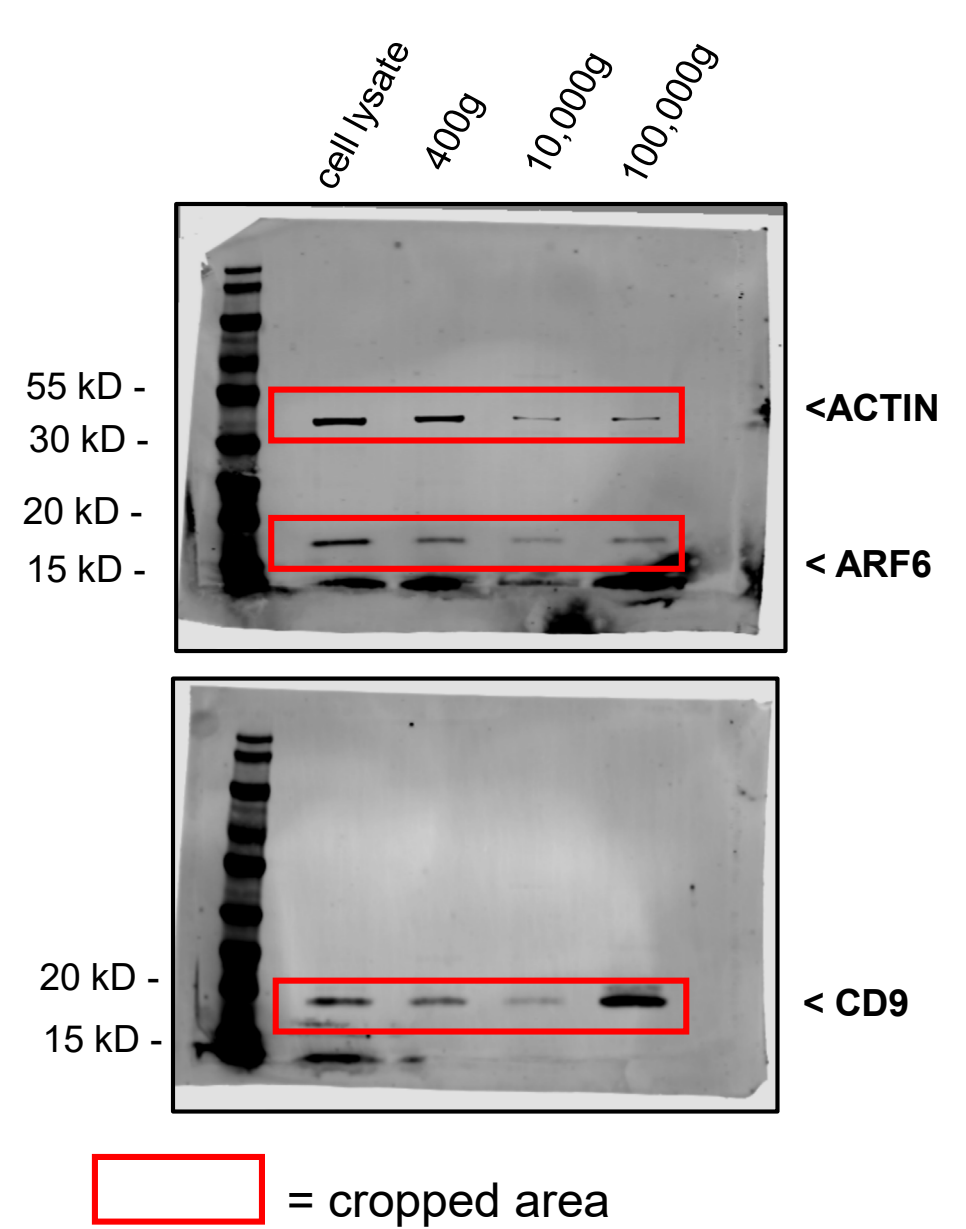
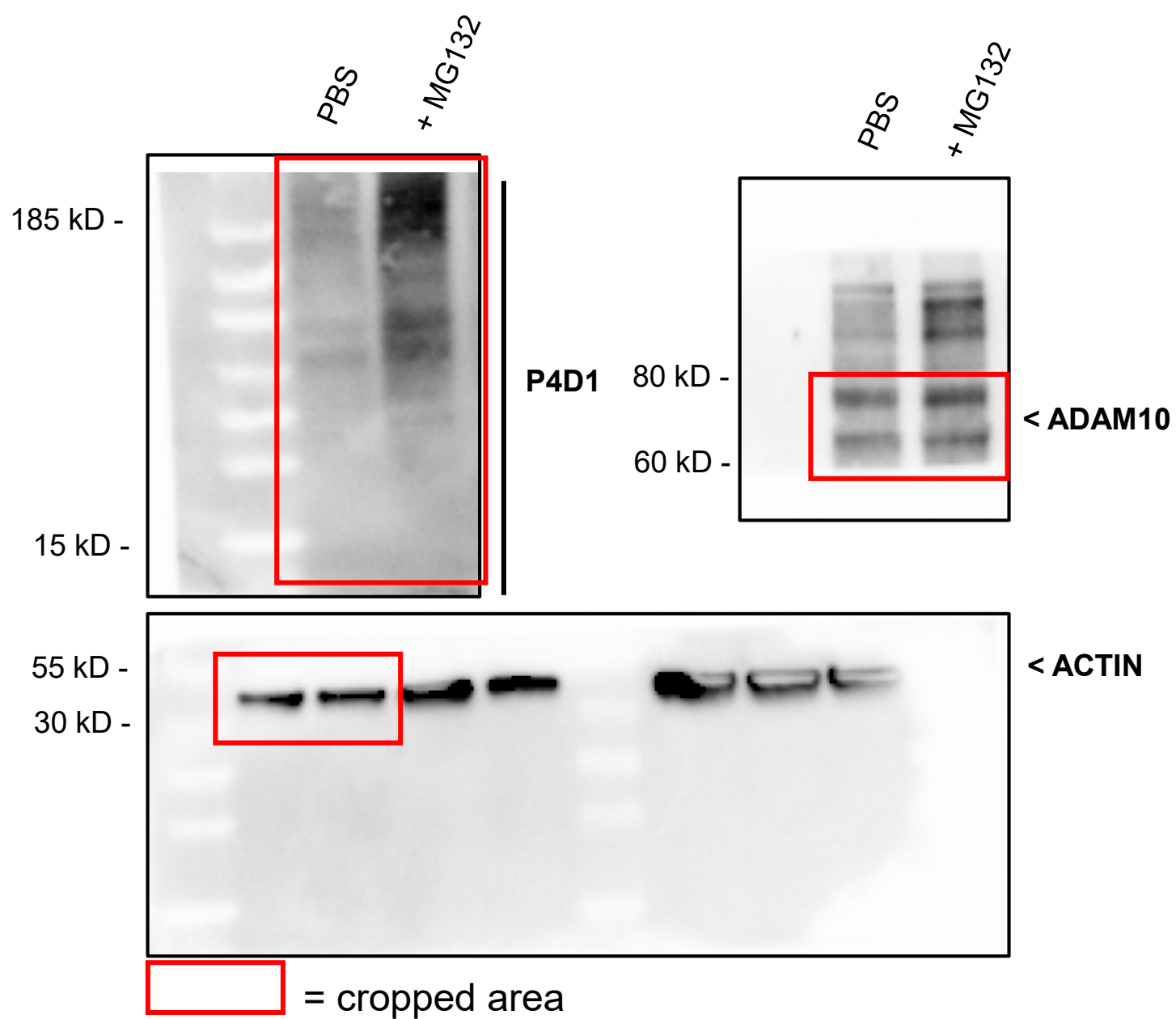
*Loading control was number of cells and volume supernatant from which exosomes were isolated.

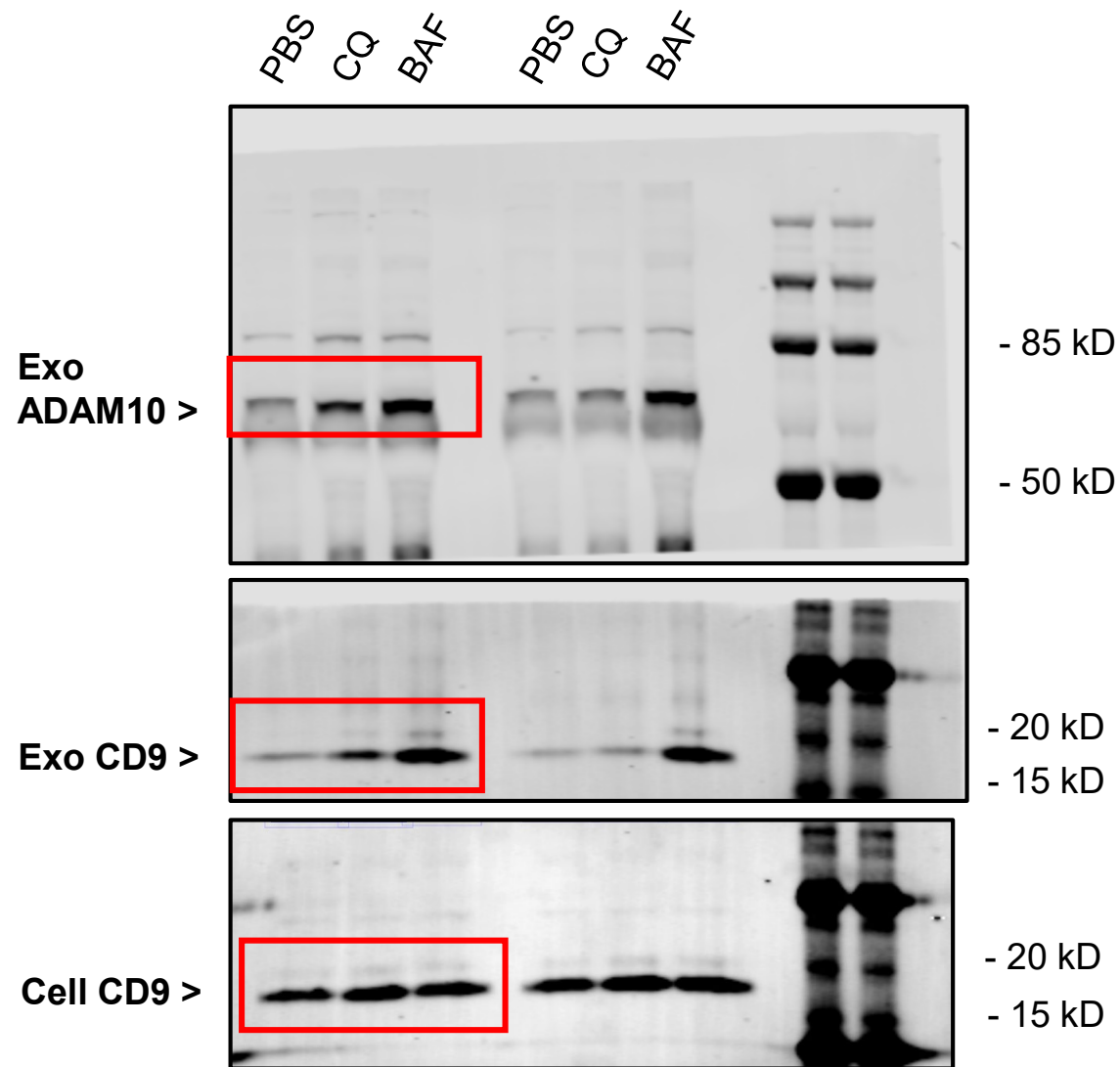


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Ext. Fig. 1b

*ACTIN Loading control was ran on same gel

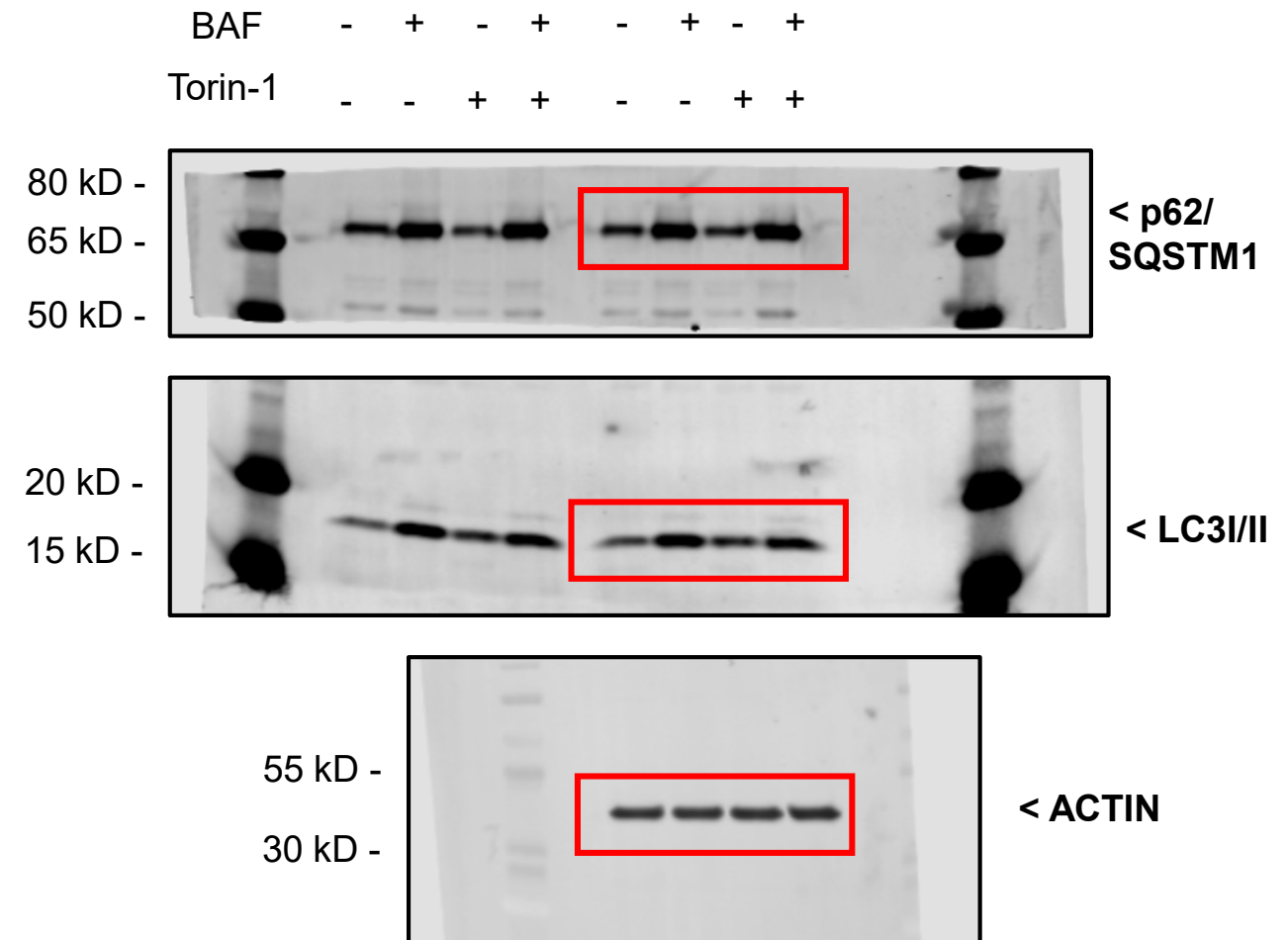




 = cropped area

Ext. Fig. 3a

*Cell CD9 Loading control was ran on same gel

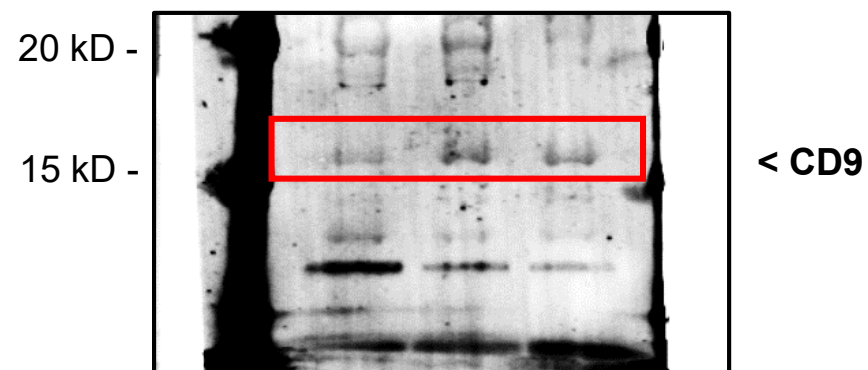
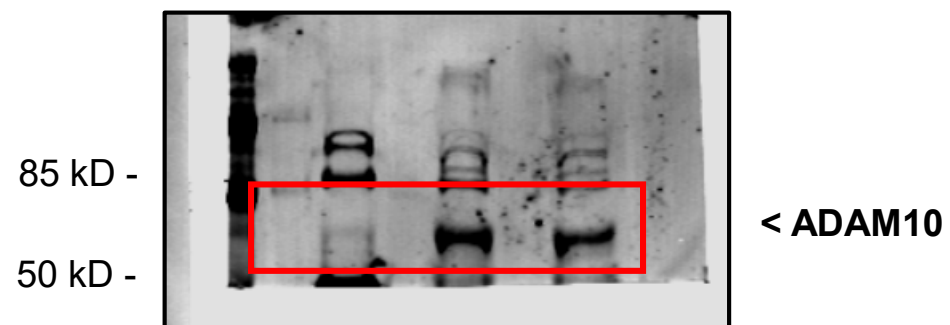
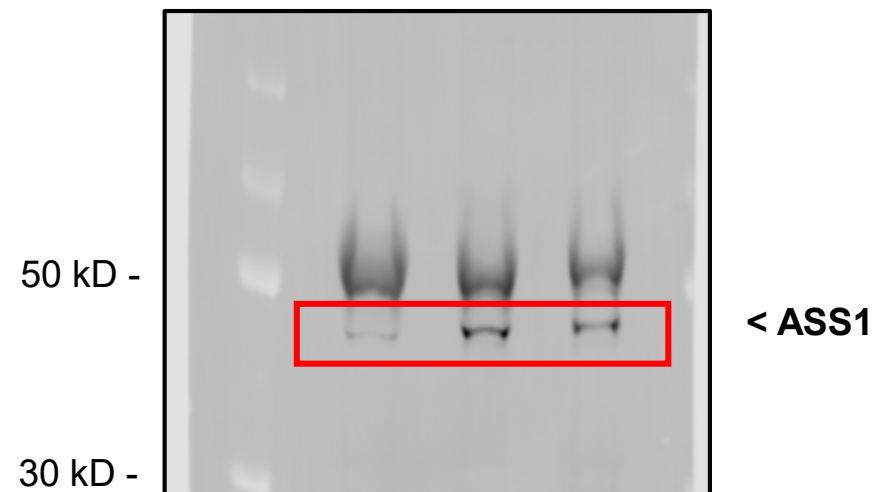


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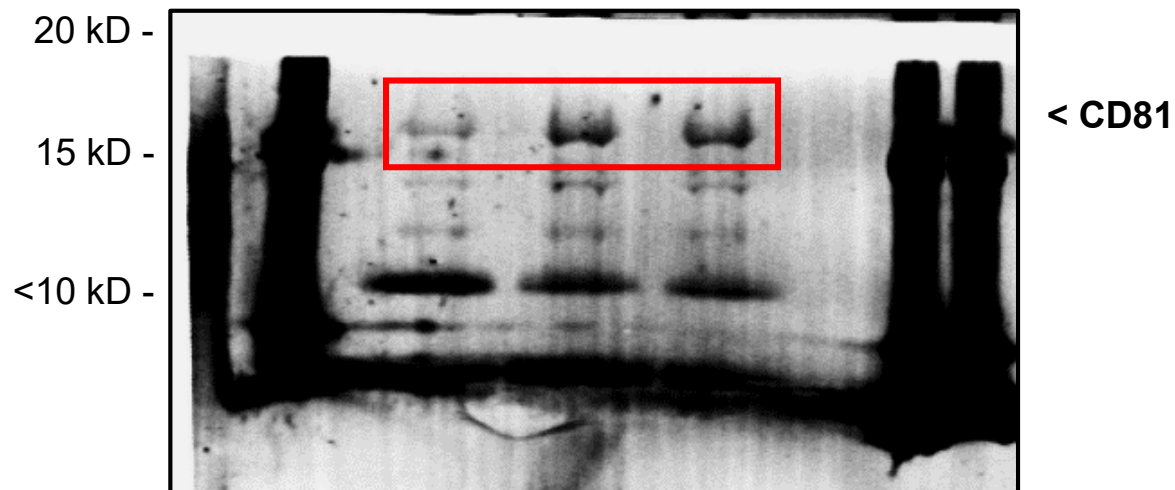
Ext. Fig. 4l

*ACTIN loading control was run on separate gel

PBS
CpG DNA
HKSA



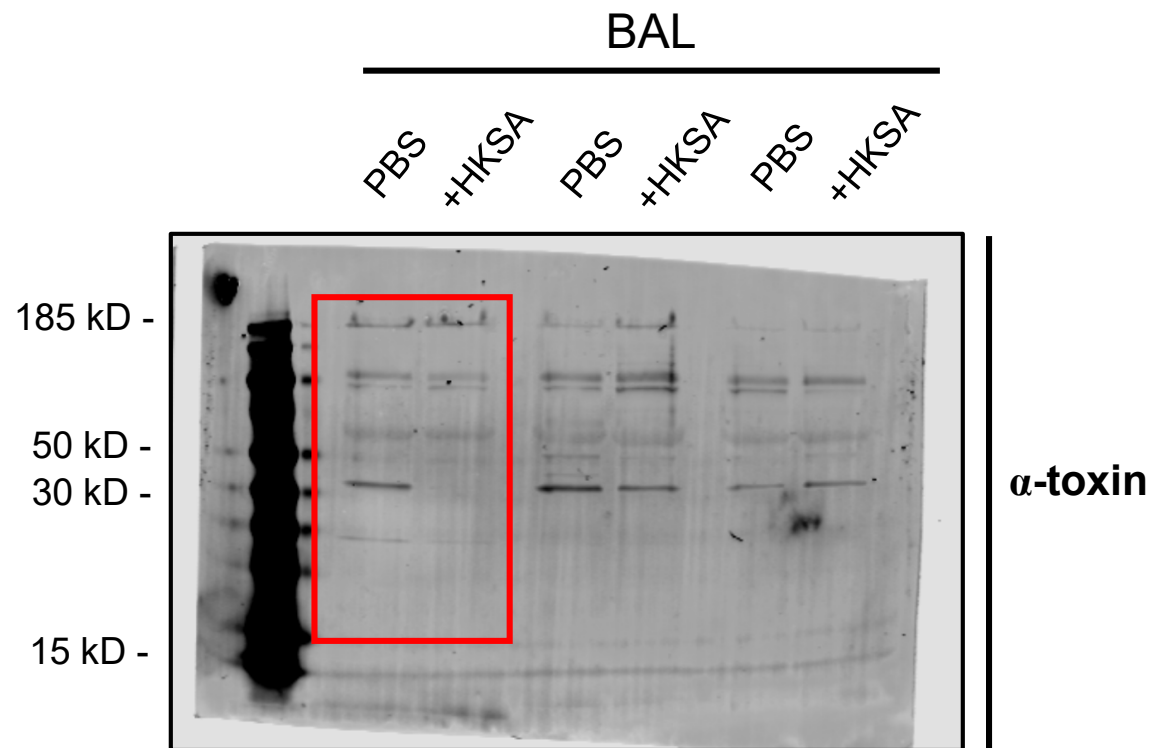
PBS
CpG DNA
HKSA



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Ext. Fig. 4p

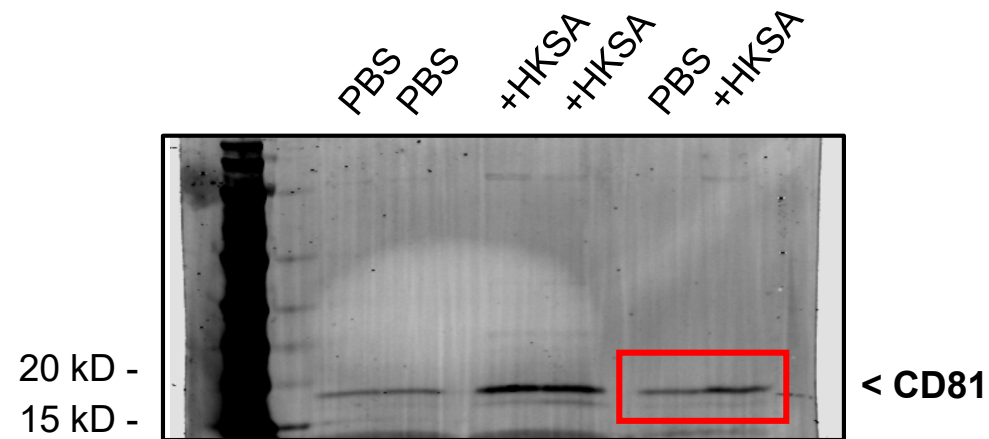
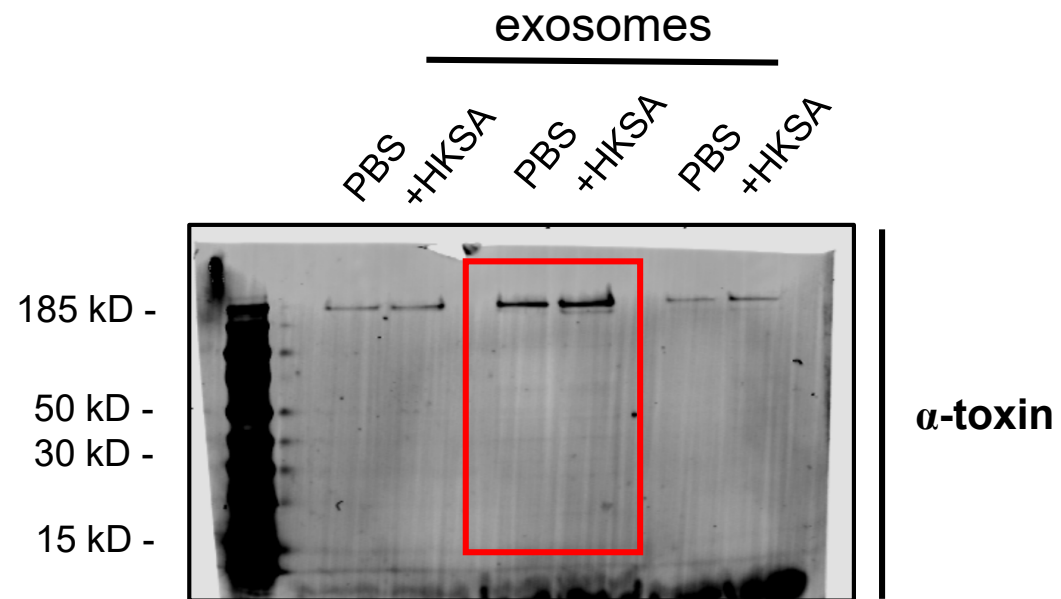
*Loading control was amount of plasma used
for exosome isolation



 = cropped area

Ext. Fig. 6g

*Loading control was amount of plasma used for exosome isolation



 = cropped area

Ext. Fig. 6h

*Loading control was amount of plasma used for exosome isolation

Supplemental Table 1: Plasma proteins following exposure to bacterial products

HKSA induced Plasma Proteins		CpG induced Plasma Proteins	
Accession Code	Protein (gene name)	Accession Code	Protein (gene name)
A0A0J9YVE6	maltase-glucoamylase(Mgam)	A0A0J9YVE6	maltase-glucoamylase(Mgam)
A0A0N4SVL8	multimerin 1(Mmrn1)	A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)
A0A0R4J038	kininogen 1(Kng1)	A0A0R4J0M6	collectin sub-family member 11(Colec11)
A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)	A0A0R4J0Q4	lysyl oxidase-like 1(Loxl1)
A0A0R4J0M6	collectin sub-family member 11(Colec11)	A0A0R4J1N3	apolipoprotein C-III(Apoc3)
A0A0R4J0S2	insulin-like growth factor binding protein, acid labile subunit(Igfals)	A2A5N1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide(Ywhab)
A0A0R4J1N3	apolipoprotein C-III(Apoc3)	A2AKN8	major urinary protein 8(Mup8)
A2AC13	RAS-related C3 botulinum substrate 3(Rac3)	A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
A2AKN8	major urinary protein 8(Mup8)	A2BIN1	major urinary protein 10(Mup10)
A2AKN9	major urinary protein 2(Mup2)	A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)
A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	A8DUK4	hemoglobin, beta adult s chain(Hbb-bs)
A2BIN1	major urinary protein 10(Mup10)	B5THE2	maltase-glucoamylase(Mgam)
A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	B7FAV1	filamin, alpha(Flna)
A8DUK4	hemoglobin, beta adult s chain(Hbb-bs)	B8JI96	major urinary protein 14(Mup14)
B5THE2	maltase-glucoamylase(Mgam)	D3YTY9	kininogen 1(Kng1)
B7FAV1	filamin, alpha(Flna)	D3YX79	proteasome zeta chain(Gm8394)
D3YTY9	kininogen 1(Kng1)	D3YXF5	complement component 7(C7)
D3YX79	proteasome zeta chain(Gm8394)	D3YXN6	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide(Ywhaz)
D3YXF5	complement component 7(C7)	D3Z521	coagulation factor X(F10)
D3YXN6	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide(Ywhaz)	D3Z5G7	carboxylesterase 1B(Ces1b)
D3Z5G7	carboxylesterase 1B(Ces1b)	D3Z799	mannosidase 1, alpha(Man1a)
E0CXN0	macrophage stimulating 1 (hepatocyte growth factor-like)(Mst1)	E9PUM3	muscle glycogen phosphorylase(Pygm)
E0CZ27	H3 histone, family 3A(H3f3a)	E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)

E0CZC5	selenoprotein P, plasma, 1(Sepp1)	E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)
E9PUM3	muscle glycogen phosphorylase(Pygm)	E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)
E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	E9PWU4	adiponectin, C1Q and collagen domain containing(Adipoq)
E9PVG8	RIKEN cDNA 9530053A07 gene(9530053A07Rik)	E9Q1Y3	apolipoprotein B(Apob)
E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)	E9Q4G4	apolipoprotein B(Apob)
E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)	E9Q4P0	KxDL motif containing 1(Kxd1)
E9PWU4	adiponectin, C1Q and collagen domain containing(Adipoq)	F8WI14	extracellular matrix protein 1(Ecm1)
E9PZ00	prosaposin(Psap)	G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)
E9Q0B5	Fc fragment of IgG binding protein(Fcgbp)	G3X9T8	ceruloplasmin(Cp)
E9Q4G4	apolipoprotein B(Apob)	O09061	proteasome (prosome, macropain) subunit, beta type 1(Psmb1)
E9Q8B5	predicted gene 4788(Gm4788)	O09159	mannosidase 2, alpha B1(Man2b1)
E9Q8B6	predicted gene 4788(Gm4788)	O35490	betaine-homocysteine methyltransferase(Bhmt)
E9QPU1	Von Willebrand factor(Vwf)	O70165	ficolin A(Fcna)
F8WI14	extracellular matrix protein 1(Ecm1)	O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
F8WIX8	histone cluster 1, H2a1(Hist1h2a1)	O70435	proteasome (prosome, macropain) subunit, alpha type 3(Psma3)
G3UY13	interleukin 1 receptor accessory protein(Il1rap)	O70570	polymeric immunoglobulin receptor(Pigr)
G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)	O88783	coagulation factor V(F5)
G3X9T8	ceruloplasmin(Cp)	O88947	coagulation factor X(F10)
J3QP71	basigin(Bsg)	O89020	afamin(Afm)
O08538	angiopoietin 1(Angpt1)	P00687	amylase 1, salivary(Amy1)
O08692	neutrophilic granule protein(Ngp)	P00920	carbonic anhydrase 2(Car2)
O09061	proteasome (prosome, macropain) subunit, beta type 1(Psmb1)	P01027	complement component 3(C3)
O09159	mannosidase 2, alpha B1(Man2b1)	P01029	complement component 4B (Chido blood group)(C4b)
O35490	betaine-homocysteine methyltransferase(Bhmt)	P01887	beta-2 microglobulin(B2m)
O35955	proteasome (prosome, macropain) subunit, beta type 10(Psmb10)	P01898	histocompatibility 2, Q region locus 10(H2-Q10)
O54890	integrin beta 3(Itgb3)	P05064	aldolase A, fructose-bisphosphate(Aldoa)
O70165	ficolin A(Fcna)	P05366	serum amyloid A 1(Saa1)
O70250	phosphoglycerate mutase 2(Pgam2)	P05367	serum amyloid A 2(Saa2)

O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	P06151	lactate dehydrogenase A(Ldha)
O70570	polymeric immunoglobulin receptor(Pigr)	P06683	complement component 9(C9)
O88783	coagulation factor V(F5)	P06684	hemolytic complement(Hc)
O88947	coagulation factor X(F10)	P06728	apolipoprotein A-IV(Apoa4)
O89020	afamin(Afm)	P06909	complement component factor h(Cfh)
P00687	amylase 1, salivary(Amy1)	P07309	transthyretin(Ttr)
P00920	carbonic anhydrase 2(Car2)	P07310	creatine kinase, muscle(Ckm)
P01027	complement component 3(C3)	P07361	orosomucoid 2(Orm2)
P01029	complement component 4B (Chido blood group)(C4b)	P08226	apolipoprotein E(Apoe)
P01887	beta-2 microglobulin(B2m)	P08607	complement component 4 binding protein(C4bp)
P01898	histocompatibility 2, Q region locus 10(H2-Q10)	P09528	ferritin heavy polypeptide 1(Fth1)
P02088	hemoglobin, beta adult major chain(Hbb-b1)	P09813	apolipoprotein A-II(Apoa2)
P04186	complement factor B(Cfb)	P11680	complement factor properdin(Cfp)
P05064	aldolase A, fructose-bisphosphate(Aldoa)	P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)
P05366	serum amyloid A 1(Saa1)	P12399	cytotoxic T lymphocyte-associated protein 2 alpha(Ctla2a)
P05367	serum amyloid A 2(Saa2)	P13020	gelsolin(Gsn)
P06151	lactate dehydrogenase A(Ldha)	P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)
P06683	complement component 9(C9)	P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
P06684	hemolytic complement(Hc)	P19221	coagulation factor II(F2)
P06728	apolipoprotein A-IV(Apoa4)	P20029	heat shock protein 5(Hspa5)
P06909	complement component factor h(Cfh)	P20918	plasminogen(Plg)
P07309	transthyretin(Ttr)	P21614	group specific component(Gc)
P07310	creatine kinase, muscle(Ckm)	P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)
P07361	orosomucoid 2(Orm2)	P23953	carboxylesterase 1C(Ces1c)
P08226	apolipoprotein E(Apoe)	P24270	catalase(Cat)
P08607	complement component 4 binding protein(C4bp)	P26039	talin 1(Tln1)
P09055	integrin beta 1 (fibronectin receptor beta)(Itgb1)	P26262	kallikrein B, plasma 1(Klkb1)
P09528	ferritin heavy polypeptide 1(Fth1)	P28063	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)(Psmb8)
P09813	apolipoprotein A-II(Apoa2)	P28665	murinoglobulin 1(Mug1)
P11680	complement factor properdin(Cfp)	P28798	granulin(Grn)

P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)	P29391	ferritin light polypeptide 1(Ftl1)
P12246	serum amyloid P-component(Apcs)	P29621	serine (or cysteine) peptidase inhibitor, clade A, member 3C(Serpina3c)
P13020	gelsolin(Gsn)	P29699	alpha-2-HS-glycoprotein(Ahsg)
P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)	P29788	vitronectin(Vtn)
P16110	lectin, galactose binding, soluble 3(Lgals3)	P31532	serum amyloid A 4(Saa4)
P16125	lactate dehydrogenase B(Ldhb)	P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)
P16301	lecithin cholesterol acyltransferase(Lcat)	P32848	parvalbumin(Pvalb)
P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)	P34928	apolipoprotein C-I(Apoc1)
P17751	triosephosphate isomerase 1(Tpi1)	P35441	thrombospondin 1(Thbs1)
P19221	coagulation factor II(F2)	P39039	mannose-binding lectin (protein A) 1(Mbl1)
P20029	heat shock protein 5(Hspa5)	P41317	mannose-binding lectin (protein C) 2(Mbl2)
P20491	Fc receptor, IgE, high affinity I, gamma polypeptide(Fcer1g)	P43025	C-type lectin domain family 3, member b(Clec3b)
P20918	plasminogen(Plg)	P47857	phosphofructokinase, muscle(Pfkm)
P21550	enolase 3, beta muscle(Eno3)	P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)
P21614	group specific component(Gc)	P49722	proteasome (prosome, macropain) subunit, alpha type 2(Psma2)
P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)	P51885	lumican(Lum)
P23953	carboxylesterase 1C(Ces1c)	P51910	apolipoprotein D(Apod)
P26039	talin 1(Tln1)	P52430	paraoxonase 1(Pon1)
P26262	kallikrein B, plasma 1(Klkb1)	P52480	pyruvate kinase, muscle(Pkm)
P26443	glutamate dehydrogenase 1(Glud1)	P54320	elastin(Eln)
P28665	murinoglobulin 1(Mug1)	P60710	actin, beta(Actb)
P28798	granulin(Grn)	P62204	calmodulin 1(Calm1)
P29391	ferritin light polypeptide 1(Ftl1)	P62737	actin, alpha 2, smooth muscle, aorta(Acta2)
P29699	alpha-2-HS-glycoprotein(Ahsg)	P63017	heat shock protein 8(Hspa8)
P29788	vitronectin(Vtn)	P63268	actin, gamma 2, smooth muscle, enteric(Actg2)
P31532	serum amyloid A 4(Saa4)	P68373	tubulin, alpha 1C(Tuba1c)
P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)	P70195	proteasome (prosome, macropain) subunit, beta type 7(Psmb7)

P32848	parvalbumin(Pvalb)	P70274	selenoprotein P, plasma, 1(Sepp1)
P33587	protein C(Proc)	P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
P34928	apolipoprotein C-I(Apoc1)	P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)
P35441	thrombospondin 1(Thbs1)	P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)
P39039	mannose-binding lectin (protein A) 1(Mbl1)	Q00623	apolipoprotein A-I(Apoa1)
P40142	transketolase(Tkt)	Q00724	retinol binding protein 4, plasma(Rbp4)
P41317	mannose-binding lectin (protein C) 2(Mbl2)	Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)
P43025	C-type lectin domain family 3, member b(Clec3b)	Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)
P47878	insulin-like growth factor binding protein 3(Igfbp3)	Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)
P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)	Q01339	apolipoprotein H(Apoh)
P49722	proteasome (prosome, macropain) subunit, alpha type 2(Psma2)	Q01853	valosin containing protein(Vcp)
P51885	lumican(Lum)	Q02105	complement component 1, q subcomponent, C chain(C1qc)
P51910	apolipoprotein D(Apod)	Q03311	butyrylcholinesterase(Bche)
P52430	paraoxonase 1(Pon1)	Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)
P54320	elastin(Eln)	Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)
P55065	phospholipid transfer protein(Pltp)	Q06890	clusterin(Clu)
P56400	glycoprotein Ib, beta polypeptide(Gp1bb)	Q07456	alpha 1 microglobulin/bikunin(Ambp)
P60710	actin, beta(Actb)	Q07968	coagulation factor XIII, beta subunit(F13b)
P62737	actin, alpha 2, smooth muscle, aorta(Acta2)	Q504P4	heat shock protein 8(Hspa8)
P62806	histone cluster 1, H4h(Hist1h4h)	Q5FW60	major urinary protein 20(Mup20)
P63017	heat shock protein 8(Hspa8)	Q5NC80	NME/NM23 nucleoside diphosphate kinase 1(Nme1)
P68033	actin, alpha, cardiac muscle 1(Actc1)	Q60590	orosomucoid 1(Orm1)
P70195	proteasome (prosome, macropain) subunit, beta type 7(Psmb7)	Q60605	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle(Myf6)

P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)
P97298	serine (or cysteine) peptidase inhibitor, clade F, member 1(Serpinf1)	Q60994	adiponectin, C1Q and collagen domain containing(Adipoq)
P98064	mannan-binding lectin serine peptidase 1(Masp1)	Q61129	complement component factor i(Cfi)
P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)	Q61171	peroxiredoxin 2(Prdx2)
P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)	Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)
Q00623	apolipoprotein A-I(Apoa1)	Q61268	apolipoprotein C-IV(Apoc4)
Q00724	retinol binding protein 4, plasma(Rbp4)	Q61405	complement factor H-related 2(Cfhr2)
Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)	Q61508	extracellular matrix protein 1(Ecm1)
Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)	Q61646	haptoglobin(Hp)
Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)	Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)
Q01339	apolipoprotein H(Apoh)	Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)
Q01768	NME/NM23 nucleoside diphosphate kinase 2(Nme2)	Q61781	keratin 14(Krt14)
Q01853	valosin containing protein(Vcp)	Q61838	pregnancy zone protein(Pzp)
Q02105	complement component 1, q subcomponent, C chain(C1qc)	Q62351	transferrin receptor(Tfrc)
Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)	Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)
Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)	Q64727	vinculin(Vcl)
Q06890	clusterin(Clu)	Q6GQT1	alpha-2-macroglobulin(A2m)
Q07456	alpha 1 microglobulin/bikunin(Ambp)	Q6S9I0	kininogen 2(Kng2)
Q07968	coagulation factor XIII, beta subunit(F13b)	Q6YJU1	fetuin beta(Fetub)
Q5FW60	major urinary protein 20(Mup20)	Q792Y8	predicted gene 10334(Gm10334)
Q5NC80	NME/NM23 nucleoside diphosphate kinase 1(Nme1)	Q792Z1	trypsin 10(Try10)
Q5SX39	myosin, heavy polypeptide 4, skeletal muscle(Myh4)	Q80YC5	coagulation factor XII (Hageman factor)(F12)
Q60590	orosomucoid 1(Orm1)	Q8BH35	complement component 8, beta polypeptide(C8b)
Q60605	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle(MyI6)	Q8BH61	coagulation factor XIII, A1 subunit(F13a1)

Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)	Q8BPB5	epidermal growth factor-containing fibulin-like extracellular matrix protein 1(Efemp1)
Q60963	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)(Pla2g7)	Q8BPW9	aspartyl aminopeptidase(Dnpep)
Q60994	adiponectin, C1Q and collagen domain containing(Adipoq)	Q8C872	transferrin receptor(Tfrc)
Q61129	complement component factor i(Cfi)	Q8CG14	complement component 1, s subcomponent 1(C1s1)
Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)	Q8K182	complement component 8, alpha polypeptide(C8a)
Q61268	apolipoprotein C-IV(Apoc4)	Q8K1I3	secreted phosphoprotein 2(Spp2)
Q61405	complement factor H-related 2(Cfhr2)	Q8K426	resistin like gamma(Retnlg)
Q61508	extracellular matrix protein 1(Ecm1)	Q8R0Z6	angiopoietin-like 6(Angptl6)
Q61646	haptoglobin(Hp)	Q8VCG4	complement component 8, gamma polypeptide(C8g)
Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)	Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)
Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)	Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
Q61781	keratin 14(Krt14)	Q8VDD5	myosin, heavy polypeptide 9, non-muscle(Myh9)
Q61838	pregnancy zone protein(Pzp)	Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)
Q62351	transferrin receptor(Tfrc)	Q91WP0	mannan-binding lectin serine peptidase 2(Masp2)
Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)	Q91X70	complement component 6(C6)
Q64727	vinculin(Vcl)	Q91X72	hemopexin(Hpx)
Q6GQT1	alpha-2-macroglobulin(A2m)	Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)
Q6PHC1	enolase 1, alpha non-neuron(Eno1)	Q91Y97	aldolase B, fructose-bisphosphate(Aldob)
Q6S9I0	kininogen 2(Kng2)	Q92I11	transferrin(Trf)
Q6YJU1	fetuin beta(Fetub)	Q9DAC2	complement component 8, gamma polypeptide(C8g)
Q792Y8	predicted gene 10334(Gm10334)	Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)
Q792Z1	trypsin 10(Try10)	Q9DBD0	RIKEN cDNA 1300017J02 gene(1300017J02Rik)
Q80YC5	coagulation factor XII (Hageman factor)(F12)	Q9EQI5	pro-platelet basic protein(Pbbp)
Q8BH35	complement component 8, beta polypeptide(C8b)	Q9ESB3	histidine-rich glycoprotein(Hrg)
Q8BH61	coagulation factor XIII, A1 subunit(F13a1)	Q9JJN5	carboxypeptidase N, polypeptide 1(Cpn1)

Q8BPB5	epidermal growth factor-containing fibulin-like extracellular matrix protein 1(Efemp1)	Q9QUK9	trypsin 5(Try5)
Q8BPW9	aspartyl aminopeptidase(Dnpep)	Q9QUM9	proteasome (prosome, macropain) subunit, alpha type 6(Psma6)
Q8BZF8	phosphoglucomutase 5(Pgm5)	Q9QWK4	CD5 antigen-like(Cd5l)
Q8C872	transferrin receptor(Tfrc)	Q9QXC1	fetuin beta(Fetub)
Q8CG14	complement component 1, s subcomponent 1(C1s1)	Q9R1P0	proteasome (prosome, macropain) subunit, alpha type 4(Psma4)
Q8K182	complement component 8, alpha polypeptide(C8a)	Q9R1P3	proteasome (prosome, macropain) subunit, beta type 2(Psmb2)
Q8K1I3	secreted phosphoprotein 2(Spp2)	Q9R1P4	proteasome (prosome, macropain) subunit, alpha type 1(Psma1)
Q8K426	resistin like gamma(Retnlg)	Q9WVF5	epidermal growth factor receptor(Egfr)
Q8R0Z6	angiopoietin-like 6(Angptl6)	Q9Z1R3	apolipoprotein M(Apom)
Q8VCG4	complement component 8, gamma polypeptide(C8g)	Q9Z1R9	protease, serine 1 (trypsin 1)(Prss1)
Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)	Q9Z2U0	proteasome (prosome, macropain) subunit, alpha type 7(Psma7)
Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	Q9Z2U1	proteasome (prosome, macropain) subunit, alpha type 5(Psma5)
Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)	S4R257	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
Q91X70	complement component 6(C6)		
Q91X72	hemopexin(Hpx)		
Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)		
Q91Y97	aldolase B, fructose-bisphosphate(Aldob)		
Q92I11	transferrin(Trf)		
Q9CPX4	ferritin light polypeptide 1(Ftl1)		
Q9CQW3	protein Z, vitamin K-dependent plasma glycoprotein(Proz)		
Q9DAC2	complement component 8, gamma polypeptide(C8g)		
Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)		
Q9DBD0	RIKEN cDNA 1300017J02 gene(1300017J02Rik)		
Q9EQI5	pro-platelet basic protein(Ppbbp)		
Q9ESB3	histidine-rich glycoprotein(Hrg)		
Q9JJN5	carboxypeptidase N, polypeptide 1(Cpn1)		
Q9QUK9	trypsin 5(Try5)		
Q9QUM0	integrin alpha 2b(Itga2b)		
Q9QUM9	proteasome (prosome, macropain) subunit, alpha type 6(Psma6)		

Q9QWK4	CD5 antigen-like(Cd5l)		
Q9QXC1	fetuin beta(Fetub)		
Q9R1P0	proteasome (prosome, macropain) subunit, alpha type 4(Psma4)		
Q9R1P3	proteasome (prosome, macropain) subunit, beta type 2(Psmb2)		
Q9R1P4	proteasome (prosome, macropain) subunit, alpha type 1(Psma1)		
Q9WVF5	epidermal growth factor receptor(Egfr)		
Q9WVH9	fibulin 5(Fbln5)		
Q9Z1R3	apolipoprotein M(Apom)		
Q9Z1R9	protease, serine 1 (trypsin 1)(Prss1)		
Q9Z2U0	proteasome (prosome, macropain) subunit, alpha type 7(Psma7)		
Q9Z2U1	proteasome (prosome, macropain) subunit, alpha type 5(Psma5)		

Supplemental Table 2: Induced exosome proteins in blood following exposure to bacterial products

HKSA induced Exosome Proteins		CpG induced Exosome Proteins	
Accession Code	Protein (gene name)	Accession Code	Protein (gene name)
A0A0J9YVE6	maltase-glucoamylase(Mgam)	0A0J9YVE6	maltase-glucoamylase(Mgam)
A0A0R4J038	kininogen 1(Kng1)	A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)
A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)	A0A0R4J1N3	apolipoprotein C-III(Apoc3)
A0A0R4J0S2	insulin-like growth factor binding protein, acid labile subunit(Igfals)	A2A5N1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide(Ywhab)
A0A0R4J1N3	apolipoprotein C-III(Apoc3)	A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
A2AC13	RAS-related C3 botulinum substrate 3(Rac3)	A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)
A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	A8DUK4	hemoglobin, beta adult s chain(Hbb-bs)
A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	B5THE2	maltase-glucoamylase(Mgam)
A8DUK4	hemoglobin, beta adult s chain(Hbb-bs)	B7FAV1	filamin, alpha(Flna)
B5THE2	maltase-glucoamylase(Mgam)	D3YTY9	kininogen 1(Kng1)
B7FAV1	filamin, alpha(Flna)	D3YXF5	complement component 7(C7)
D3YTY9	kininogen 1(Kng1)	D3YXN6	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide(Ywhaz)
D3YXF5	complement component 7(C7)	D3Z799	mannosidase 1, alpha(Man1a)
D3YXN6	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide(Ywhaz)	E9PUM3	muscle glycogen phosphorylase(Pygm)
E0CXN0	macrophage stimulating 1 (hepatocyte growth factor-like)(Mst1)	E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)
E0CZ27	H3 histone, family 3A(H3f3a)	E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)
E0CZC5	selenoprotein P, plasma, 1(Sepp1)	E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)
E9PUM3	muscle glycogen phosphorylase(Pygm)	E9PWU4	adiponectin, C1Q and collagen domain containing(Adipoq)
E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	E9Q0B5	Fc fragment of IgG binding protein(Fcgbp)
E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)	E9Q1Y3	apolipoprotein B(Apob)
E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)	E9Q4G4	apolipoprotein B(Apob)

E9PWU4	adiponectin, C1Q and collagen domain containing(Adipoq)	F8W114	extracellular matrix protein 1(Ecm1)
E9PZ00	prosaposin(Psap)	G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)
E9Q0B5	Fc fragment of IgG binding protein(Fcgbp)	G3X9T8	ceruloplasmin(Cp)
E9Q4G4	apolipoprotein B(Apob)	O09061	proteasome (prosome, macropain) subunit, beta type 1(Psmb1)
E9QPU1	Von Willebrand factor(Vwf)	O09159	mannosidase 2, alpha B1(Man2b1)
F8W114	extracellular matrix protein 1(Ecm1)	O35490	betaine-homocysteine methyltransferase(Bhmt)
F8WIX8	histone cluster 1, H2al(Hist1h2al)	O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)	O70435	proteasome (prosome, macropain) subunit, alpha type 3(Psma3)
G3X9T8	ceruloplasmin(Cp)	O70570	polymeric immunoglobulin receptor(Pigr)
J3QP71	basigin(Bsg)	O89020	afamin(Afm)
O08538	angiopoietin 1(Angpt1)	P00687	amylase 1, salivary(Amy1)
O09061	proteasome (prosome, macropain) subunit, beta type 1(Psmb1)	P00920	carbonic anhydrase 2(Car2)
O09159	mannosidase 2, alpha B1(Man2b1)	P01027	complement component 3(C3)
O35490	betaine-homocysteine methyltransferase(Bhmt)	P01029	complement component 4B (Chido blood group)(C4b)
O54890	integrin beta 3(Itgb3)	P01887	beta-2 microglobulin(B2m)
O70250	phosphoglycerate mutase 2(Pgam2)	P01898	histocompatibility 2, Q region locus 10(H2-Q10)
O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	P05064	aldolase A, fructose-bisphosphate(Aldoa)
O70570	polymeric immunoglobulin receptor(Pigr)	P05366	serum amyloid A 1(Saa1)
O89020	afamin(Afm)	P05367	serum amyloid A 2(Saa2)
P00687	amylase 1, salivary(Amy1)	P06151	lactate dehydrogenase A(Ldha)
P00920	carbonic anhydrase 2(Car2)	P06683	complement component 9(C9)
P01027	complement component 3(C3)	P06684	hemolytic complement(Hc)
P01029	complement component 4B (Chido blood group)(C4b)	P06728	apolipoprotein A-IV(Apoa4)
P01887	beta-2 microglobulin(B2m)	P06909	complement component factor h(Cfh)
P01898	histocompatibility 2, Q region locus 10(H2-Q10)	P07309	transthyretin(Ttr)
P04186	complement factor B(Cfb)	P08226	apolipoprotein E(Apoe)
P05064	aldolase A, fructose-bisphosphate(Aldoa)	P09528	ferritin heavy polypeptide 1(Fth1)
P05366	serum amyloid A 1(Saa1)	P09813	apolipoprotein A-II(Apoa2)
P05367	serum amyloid A 2(Saa2)	P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)
P06151	lactate dehydrogenase A(Ldha)	P13020	gelsolin(Gsn)

P06683	complement component 9(C9)	P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)
P06684	hemolytic complement(Hc)	P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
P06728	apolipoprotein A-IV(Apoa4)	P19221	coagulation factor II(F2)
P06909	complement component factor h(Cfh)	P20029	heat shock protein 5(Hspa5)
P07309	transthyretin(Ttr)	P20918	plasminogen(Plg)
P08226	apolipoprotein E(Apoe)	P21614	group specific component(Gc)
P09055	integrin beta 1 (fibronectin receptor beta)(Itgb1)	P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)
P09528	ferritin heavy polypeptide 1(Fth1)	P24270	catalase(Cat)
P09813	apolipoprotein A-II(Apoa2)	P26039	talin 1(Tln1)
P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)	P26262	kallikrein B, plasma 1(Klkb1)
P12246	serum amyloid P-component(Apcs)	P28063	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)(Psm8)
P13020	gelsolin(Gsn)	P28798	granulin(Grn)
P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)	P29391	ferritin light polypeptide 1(Ftl1)
P16110	lectin, galactose binding, soluble 3(Lgals3)	P29621	serine (or cysteine) peptidase inhibitor, clade A, member 3C(Serpina3c)
P16125	lactate dehydrogenase B(Ldhb)	P29699	alpha-2-HS-glycoprotein(Ahsg)
P16301	lecithin cholesterol acyltransferase(Lcat)	P29788	vitronectin(Vtn)
P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)	P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)
P17751	triosephosphate isomerase 1(Tpi1)	P32848	parvalbumin(Pvalb)
P19221	coagulation factor II(F2)	P34928	apolipoprotein C-I(Apoc1)
P20029	heat shock protein 5(Hspa5)	P35441	thrombospondin 1(Thbs1)
P20918	plasminogen(Plg)	P43025	C-type lectin domain family 3, member b(Clec3b)
P21550	enolase 3, beta muscle(Eno3)	P47857	phosphofructokinase, muscle(Pfkm)
P21614	group specific component(Gc)	P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)
P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)	P49722	proteasome (prosome, macropain) subunit, alpha type 2(Psma2)
P26039	talin 1(Tln1)	P51885	lumican(Lum)
P26262	kallikrein B, plasma 1(Klkb1)	P51910	apolipoprotein D(Apod)
P28798	granulin(Grn)	P52430	paraoxonase 1(Pon1)
P29391	ferritin light polypeptide 1(Ftl1)	P52480	pyruvate kinase, muscle(Pkm)
P29699	alpha-2-HS-glycoprotein(Ahsg)	P60710	actin, beta(Actb)
P29788	vitronectin(Vtn)	P62204	calmodulin 1(Calm1)

P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)	P62737	actin, alpha 2, smooth muscle, aorta(Acta2)
P32848	parvalbumin(Pvalb)	P63017	heat shock protein 8(Hspa8)
P34928	apolipoprotein C-I(Apoc1)	P63268	actin, gamma 2, smooth muscle, enteric(Actg2)
P35441	thrombospondin 1(Thbs1)	P70195	proteasome (prosome, macropain) subunit, beta type 7(Psmb7)
P40142	transketolase(Tkt)	P70274	selenoprotein P, plasma, 1(Sepp1)
P43025	C-type lectin domain family 3, member b(Clec3b)	P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
P47878	insulin-like growth factor binding protein 3(Igfbp3)	P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)
P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)	P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)
P49722	proteasome (prosome, macropain) subunit, alpha type 2(Psma2)	Q00623	apolipoprotein A-I(Apoa1)
P51885	lumican(Lum)	Q00724	retinol binding protein 4, plasma(Rbp4)
P51910	apolipoprotein D(Apod)	Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)
P52430	paraoxonase 1(Pon1)	Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)
P60710	actin, beta(Actb)	Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)
P62737	actin, alpha 2, smooth muscle, aorta(Acta2)	Q01339	apolipoprotein H(Apoh)
P62806	histone cluster 1, H4h(Hist1h4h)	Q01853	valosin containing protein(Vcp)
P63017	heat shock protein 8(Hspa8)	Q02105	complement component 1, q subcomponent, C chain(C1qc)
P68033	actin, alpha, cardiac muscle 1(Actc1)	Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)
P70195	proteasome (prosome, macropain) subunit, beta type 7(Psmb7)	Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)
P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	Q06890	clusterin(Clu)
P97298	serine (or cysteine) peptidase inhibitor, clade F, member 1(Serpinf1)	Q07456	alpha 1 microglobulin/bikunin(Ambp)
P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)	Q504P4	heat shock protein 8(Hspa8)
P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)	Q5NC80	NME/NM23 nucleoside diphosphate kinase 1(Nme1)
Q00623	apolipoprotein A-I(Apoa1)	Q60605	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle(MyI6)
Q00724	retinol binding protein 4, plasma(Rbp4)	Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)

Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)	Q60994	adiponectin, C1Q and collagen domain containing(Adipoq)
Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)	Q61129	complement component factor i(Cfi)
Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)	Q61171	peroxiredoxin 2(Prdx2)
Q01339	apolipoprotein H(Apoh)	Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)
Q01768	NME/NM23 nucleoside diphosphate kinase 2(Nme2)	Q61508	extracellular matrix protein 1(Ecm1)
Q01853	valosin containing protein(Vcp)	Q61646	haptoglobin(Hp)
Q02105	complement component 1, q subcomponent, C chain(C1qc)	Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)
Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)	Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)
Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)	Q61781	keratin 14(Krt14)
Q06890	clusterin(Clu)	Q62351	transferrin receptor(Tfrc)
Q07456	alpha 1 microglobulin/bikunin(Ambp)	Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)
Q5NC80	NME/NM23 nucleoside diphosphate kinase 1(Nme1)	Q64727	vinculin(Vcl)
Q60605	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle(Myl6)	Q6GQT1	alpha-2-macroglobulin(A2m)
Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)	Q6S9I0	kininogen 2(Kng2)
Q60994	adiponectin, C1Q and collagen domain containing(Adipoq)	Q6YJU1	fetuin beta(Fetub)
Q61129	complement component factor i(Cfi)	Q792Z1	trypsin 10(Try10)
Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)	Q80YC5	coagulation factor XII (Hageman factor)(F12)
Q61508	extracellular matrix protein 1(Ecm1)	Q8BH35	complement component 8, beta polypeptide(C8b)
Q61646	haptoglobin(Hp)	Q8BPB5	epidermal growth factor-containing fibulin-like extracellular matrix protein 1(Efemp1)
Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)	Q8C872	transferrin receptor(Tfrc)
Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)	Q8CG14	complement component 1, s subcomponent 1(C1s1)

Q61781	keratin 14(Krt14)	Q8K182	complement component 8, alpha polypeptide(C8a)
Q62351	transferrin receptor(Tfrc)	Q8K1I3	secreted phosphoprotein 2(Spp2)
Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)	Q8R0Z6	angiopoietin-like 6(Angptl6)
Q64727	vinculin(Vcl)	Q8VCG4	complement component 8, gamma polypeptide(C8g)
Q6GQT1	alpha-2-macroglobulin(A2m)	Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)
Q6PHC1	enolase 1, alpha non-neuron(Eno1)	Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
Q6S9I0	kininogen 2(Kng2)	Q8VDD5	myosin, heavy polypeptide 9, non-muscle(Myh9)
Q6YJU1	fetuin beta(Fetub)	Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)
Q792Z1	trypsin 10(Try10)	Q91WP0	mannan-binding lectin serine peptidase 2(Masp2)
Q80YC5	coagulation factor XII (Hageman factor)(F12)	Q91X70	complement component 6(C6)
Q8BH35	complement component 8, beta polypeptide(C8b)	Q91X72	hemopexin(Hpx)
Q8BPB5	epidermal growth factor-containing fibulin-like extracellular matrix protein 1(Efemp1)	Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)
Q8C872	transferrin receptor(Tfrc)	Q91Y97	aldolase B, fructose-bisphosphate(Aldob)
Q8CG14	complement component 1, s subcomponent 1(C1s1)	Q921I1	transferrin(Trf)
Q8K182	complement component 8, alpha polypeptide(C8a)	Q9DAC2	complement component 8, gamma polypeptide(C8g)
Q8K1I3	secreted phosphoprotein 2(Spp2)	Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)
Q8R0Z6	angiopoietin-like 6(Angptl6)	Q9ESB3	histidine-rich glycoprotein(Hrg)
Q8VCG4	complement component 8, gamma polypeptide(C8g)	Q9QUK9	trypsin 5(Try5)
Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)	Q9QUM9	proteasome (prosome, macropain) subunit, alpha type 6(Psma6)
Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	Q9QWK4	CD5 antigen-like(Cd5l)
Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)	Q9QXC1	fetuin beta(Fetub)
Q91X70	complement component 6(C6)	Q9R1P0	proteasome (prosome, macropain) subunit, alpha type 4(Psma4)
Q91X72	hemopexin(Hpx)	Q9R1P3	proteasome (prosome, macropain) subunit, beta type 2(Psmb2)
Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)	Q9R1P4	proteasome (prosome, macropain) subunit, alpha type 1(Psma1)
Q91Y97	aldolase B, fructose-bisphosphate(Aldob)	Q9Z1R3	apolipoprotein M(Apom)
Q921I1	transferrin(Trf)	Q9Z2U0	proteasome (prosome, macropain) subunit, alpha type 7(Psma7)
Q9CPX4	ferritin light polypeptide 1(Ftl1)	Q9Z2U1	proteasome (prosome, macropain) subunit, alpha type 5(Psma5)

Q9CQW3	protein Z, vitamin K-dependent plasma glycoprotein(Proz)	S4R257	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
Q9DAC2	complement component 8, gamma polypeptide(C8g)		
Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)		
Q9ESB3	histidine-rich glycoprotein(Hrg)		
Q9QUK9	trypsin 5(Try5)		
Q9QUM0	integrin alpha 2b(Itga2b)		
Q9QUM9	proteasome (prosome, macropain) subunit, alpha type 6(Psma6)		
Q9QWK4	CD5 antigen-like(Cd5l)		
Q9QXC1	fetuin beta(Fetub)		
Q9R1P0	proteasome (prosome, macropain) subunit, alpha type 4(Psma4)		
Q9R1P3	proteasome (prosome, macropain) subunit, beta type 2(Psmb2)		
Q9R1P4	proteasome (prosome, macropain) subunit, alpha type 1(Psma1)		
Q9WVH9	fibulin 5(Fbln5)		
Q9Z1R3	apolipoprotein M(Apom)		
Q9Z2U0	proteasome (prosome, macropain) subunit, alpha type 7(Psma7)		
Q9Z2U1	proteasome (prosome, macropain) subunit, alpha type 5(Psma5)		

Supplemental Table 3: Induced exosome proteins annotated in the liver following exposure to bacterial products

HKSA induced Exosome Liver Proteins		CpG induced Exosome Liver Proteins	
Accession Code	Protein (gene name)	Accession Code	Protein (gene name)
A0A0R4J038	kininogen 1(Kng1)	A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)
A0A0R4J0I1	serine (or cysteine) peptidase inhibitor, clade A, member 3K(Serpina3k)	A0A0R4J1N3	apolipoprotein C-III(Apoc3)
A0A0R4J0S2	insulin-like growth factor binding protein, acid labile subunit(Igfals)	A2A5N1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide(Ywhab)
A0A0R4J1N3	apolipoprotein C-III(Apoc3)	A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
A2ATR8	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)
A6X935	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	D3YTY9	kininogen 1(Kng1)
D3YTY9	kininogen 1(Kng1)	D3YXF5	complement component 7(C7)
D3YXF5	complement component 7(C7)	E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)
E0CXN0	macrophage stimulating 1 (hepatocyte growth factor-like)(Mst1)	E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)
E9PVD2	inter alpha-trypsin inhibitor, heavy chain 4(Itih4)	E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)
E9PVS1	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)	E9Q1Y3	apolipoprotein B(Apob)
E9PWT4	histocompatibility 2, Q region locus 7(H2-Q7)	E9Q4G4	apolipoprotein B(Apob)
E9PZ00	prosaposin(Psap)	G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)
E9Q4G4	apolipoprotein B(Apob)	O09159	mannosidase 2, alpha B1(Man2b1)
G3X8T9	serine (or cysteine) peptidase inhibitor, clade A, member 3N(Serpina3n)	O35490	betaine-homocysteine methyltransferase(Bhmt)
J3QP71	basigin(Bsg)	O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
O09159	mannosidase 2, alpha B1(Man2b1)	O70435	proteasome (prosome, macropain) subunit, alpha type 3(Psma3)
O35490	betaine-homocysteine methyltransferase(Bhmt)	O70570	polymeric immunoglobulin receptor(Pigr)
O70362	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	O89020	afamin(Afm)
O70570	polymeric immunoglobulin receptor(Pigr)	P00687	amylase 1, salivary(Amy1)
O89020	afamin(Afm)	P00920	carbonic anhydrase 2(Car2)
P00687	amylase 1, salivary(Amy1)	P01027	complement component 3(C3)
P00920	carbonic anhydrase 2(Car2)	P01029	complement component 4B (Chido blood group)(C4b)

P01027	complement component 3(C3)	P01887	beta-2 microglobulin(B2m)
P01029	complement component 4B (Chido blood group)(C4b)	P01898	histocompatibility 2, Q region locus 10(H2-Q10)
P01887	beta-2 microglobulin(B2m)	P05366	serum amyloid A 1(Saa1)
P01898	histocompatibility 2, Q region locus 10(H2-Q10)	P06151	lactate dehydrogenase A(Ldha)
P04186	complement factor B(Cfb)	P06683	complement component 9(C9)
P05366	serum amyloid A 1(Saa1)	P06728	apolipoprotein A-IV(Apoa4)
P06151	lactate dehydrogenase A(Ldha)	P06909	complement component factor h(Cfh)
P06683	complement component 9(C9)	P07309	transthyretin(Ttr)
P06728	apolipoprotein A-IV(Apoa4)	P08226	apolipoprotein E(Apoe)
P06909	complement component factor h(Cfh)	P09813	apolipoprotein A-II(Apoa2)
P07309	transthyretin(Ttr)	P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)
P08226	apolipoprotein E(Apoe)	P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)
P09813	apolipoprotein A-II(Apoa2)	P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
P11859	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)(Agt)	P19221	coagulation factor II(F2)
P12246	serum amyloid P-component(Apcs)	P20029	heat shock protein 5(Hspa5)
P14106	complement component 1, q subcomponent, beta polypeptide(C1qb)	P20918	plasminogen(Plg)
P16301	lecithin cholesterol acyltransferase(Lcat)	P21614	group specific component(Gc)
P16858	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)	P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)
P19221	coagulation factor II(F2)	P24270	catalase(Cat)
P20029	heat shock protein 5(Hspa5)	P26039	talin 1(Tln1)
P20918	plasminogen(Plg)	P26262	kallikrein B, plasma 1(Klkb1)
P21550	enolase 3, beta muscle(Eno3)	P29391	ferritin light polypeptide 1(Ftl1)
P21614	group specific component(Gc)	P29699	alpha-2-HS-glycoprotein(Ahsg)
P22599	serine (or cysteine) preptidase inhibitor, clade A, member 1B(Serpina1b)	P29788	vitronectin(Vtn)
P26039	talin 1(Tln1)	P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)
P26262	kallikrein B, plasma 1(Klkb1)	P32848	parvalbumin(Pvalb)
P29391	ferritin light polypeptide 1(Ftl1)	P34928	apolipoprotein C-I(Apoc1)
P29699	alpha-2-HS-glycoprotein(Ahsg)	P43025	C-type lectin domain family 3, member b(Clec3b)

P29788	vitronectin(Vtn)	P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)
P32261	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1(Serpinc1)	P52430	paraoxonase 1(Pon1)
P32848	parvalbumin(Pvalb)	P62204	calmodulin 1(Calm1)
P34928	apolipoprotein C-I(Apoc1)	P63017	heat shock protein 8(Hspa8)
P43025	C-type lectin domain family 3, member b(Clec3b)	P63268	actin, gamma 2, smooth muscle, enteric(Actg2)
P47878	insulin-like growth factor binding protein 3(Igfbp3)	P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)
P49182	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)	P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)
P52430	paraoxonase 1(Pon1)	P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)
P63017	heat shock protein 8(Hspa8)	Q00623	apolipoprotein A-I(Apoa1)
P97290	serine (or cysteine) peptidase inhibitor, clade G, member 1(Serping1)	Q00724	retinol binding protein 4, plasma(Rbp4)
P97298	serine (or cysteine) peptidase inhibitor, clade F, member 1(Serpinf1)	Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)
P98086	complement component 1, q subcomponent, alpha polypeptide(C1qa)	Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)
P99026	proteasome (prosome, macropain) subunit, beta type 4(Psmb4)	Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)
Q00623	apolipoprotein A-I(Apoa1)	Q01339	apolipoprotein H(Apoh)
Q00724	retinol binding protein 4, plasma(Rbp4)	Q01853	valosin containing protein(Vcp)
Q00896	serine (or cysteine) peptidase inhibitor, clade A, member 1C(Serpina1c)	Q02105	complement component 1, q subcomponent, C chain(C1qc)
Q00897	serine (or cysteine) peptidase inhibitor, clade A, member 1D(Serpina1d)	Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)
Q00898	serine (or cysteine) peptidase inhibitor, clade A, member 1E(Serpina1e)	Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)
Q01339	apolipoprotein H(Apoh)	Q06890	clusterin(Clu)
Q01853	valosin containing protein(Vcp)	Q07456	alpha 1 microglobulin/bikunin(Ambp)
Q02105	complement component 1, q subcomponent, C chain(C1qc)	Q504P4	heat shock protein 8(Hspa8)
Q03734	serine (or cysteine) peptidase inhibitor, clade A, member 3M(Serpina3m)	Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)
Q06770	serine (or cysteine) peptidase inhibitor, clade A, member 6(Serpina6)	Q61171	peroxiredoxin 2(Prdx2)

Q06890	clusterin(Clu)	Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)
Q07456	alpha 1 microglobulin/bikunin(Ambp)	Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)
Q60692	proteasome (prosome, macropain) subunit, beta type 6(Psmb6)	Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)
Q61247	serine (or cysteine) peptidase inhibitor, clade F, member 2(Serpinf2)	Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)
Q61702	inter-alpha trypsin inhibitor, heavy chain 1(Itih1)	Q64727	vinculin(Vcl)
Q61703	inter-alpha trypsin inhibitor, heavy chain 2(Itih2)	Q6S9I0	kininogen 2(Kng2)
Q64726	alpha-2-glycoprotein 1, zinc(Azgp1)	Q6YJU1	fetuin beta(Fetub)
Q64727	vinculin(Vcl)	Q80YC5	coagulation factor XII (Hageman factor)(F12)
Q6S9I0	kininogen 2(Kng2)	Q8BH35	complement component 8, beta polypeptide(C8b)
Q6YJU1	fetuin beta(Fetub)	Q8CG14	complement component 1, s subcomponent 1(C1s1)
Q80YC5	coagulation factor XII (Hageman factor)(F12)	Q8K182	complement component 8, alpha polypeptide(C8a)
Q8BH35	complement component 8, beta polypeptide(C8b)	Q8R0Z6	angiopoietin-like 6(Angptl6)
Q8CG14	complement component 1, s subcomponent 1(C1s1)	Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)
Q8K182	complement component 8, alpha polypeptide(C8a)	Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)
Q8R0Z6	angiopoietin-like 6(Angptl6)	Q8VDD5	myosin, heavy polypeptide 9, non-muscle(Myh9)
Q8VCS0	peptidoglycan recognition protein 2(Pglyrp2)	Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)
Q8VCU2	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	Q91WP0	mannan-binding lectin serine peptidase 2(Masp2)
Q91VB8	hemoglobin alpha, adult chain 1(Hba-a1)	Q91X70	complement component 6(C6)
Q91X70	complement component 6(C6)	Q91X72	hemopexin(Hpx)
Q91X72	hemopexin(Hpx)	Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)
Q91XL1	leucine-rich alpha-2-glycoprotein 1(Lrg1)	Q91Y97	aldolase B, fructose-bisphosphate(Aldob)
Q91Y97	aldolase B, fructose-bisphosphate(Aldob)	Q921I1	transferrin(Trf)
Q921I1	transferrin(Trf)	Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)
Q9CPX4	ferritin light polypeptide 1(Ftl1)	Q9ESB3	histidine-rich glycoprotein(Hrg)
Q9CQW3	protein Z, vitamin K-dependent plasma glycoprotein(Proz)	Q9QWK4	CD5 antigen-like(Cd5l)
Q9DBB9	carboxypeptidase N, polypeptide 2(Cpn2)	Q9QXC1	fetuin beta(Fetub)

Q9ESB3	histidine-rich glycoprotein(Hrg)	Q9Z1R3	apolipoprotein M(Apom)
Q9QWK4	CD5 antigen-like(Cd5l)	S4R257	glyceraldehyde-3-phosphate dehydrogenase(Gapdh)
Q9QXC1	fetuin beta(Fetub)		
Q9Z1R3	apolipoprotein M(Apom)		