

Supplemental Table 1. List of significantly altered tendon proteins after injury and repair.

Protein Name	Gene Symbol	Accession Number	Molecular Weight (kDa)	Total Spectrum Count_Mean			Total Spectrum Count_SD		
				Normal (N=3)	Repair-only (N=3)	ASC+BMP 12 (N=3)	Normal	Repair-only	ASC+BMP12
40S ribosomal protein S3	RPS3	sp E2RH47 RS3_CANFA	27	0.0	4.5	6.0	0.0	0.7	1.5
40S ribosomal protein S3a	RPS3A	tr F2Z4Q5 F2Z4Q5_CANFA	30	0.0	5.1	3.8	0.0	2.6	0.8
60 kDa heat shock protein, mitochondrial	HSPD1	tr E2QUU5 E2QUU5_CANFA	61	2.8	6.8	14.9	2.6	0.6	6.8
6-phosphogluconate dehydrogenase, decarboxylating	PGD	tr F1PE09 F1PE09_CANFA	53	0.0	5.4	9.8	0.0	1.3	2.7
Actin, cytoplasmic 1	ACTB	sp O18840 ACTB_CANFA	42	68.0	94.4	125.7	11.3	9.9	5.8
Adenosylhomocysteinase	AHCY	tr E2QXS7 E2QXS7_CANFA	48	4.8	4.0	8.3	1.2	1.3	1.3
Adenylyl cyclase-associated protein	CAP1	tr E2QZ50 E2QZ50_CANFA	51	5.4	14.2	18.3	1.1	3.0	3.1
Aggrecan core protein	ACAN	sp Q28343 PGCA_CANFA	241	159.2	28.8	24.0	83.6	12.1	13.4
Alpha-centractin	ACTR1A	sp P61162 ACTZ_CANFA	43	1.1	1.8	5.2	1.9	1.6	0.7
Annexin	ANXA5	tr E2RQ14 E2RQ14_CANFA	36	30.2	23.6	19.5	5.6	3.5	1.9
Annexin (Fragment)	ANXA6	tr E2RCI8 E2RCI8_CANFA	76	9.1	19.9	33.5	4.8	1.2	7.5
Apolipoprotein A-I	APOA1	tr F1PDJ5 F1PDJ5_CANFA	30	42.2	69.7	53.2	3.9	6.6	3.2
Apolipoprotein E	APOE	tr F1PJ74 F1PJ74_CANFA	37	0.6	10.3	13.1	1.0	3.1	4.3
ATP synthase subunit alpha	ATP5A1	tr E2RNG2 E2RNG2_CANFA	60	11.8	18.3	25.1	4.3	2.8	6.3
Beta-2-microglobulin	B2M	tr E2RN10 E2RN10_CANFA	14	0.9	1.9	4.6	0.9	0.8	1.5
Calnexin	CANX	sp P24643 CALX_CANFA	68	6.0	6.0	13.0	2.4	1.2	1.9
Calreticulin	CALR	tr F6UYJ9 F6UYJ9_CANFA	47	5.4	12.0	19.4	2.8	1.1	6.7
Catalase	CAT	sp O97492 CATA_CANFA	60	0.0	3.0	9.6	0.0	0.3	1.2
Cathepsin D	CTSD	sp Q4LAL9 CATD_CANFA	44	0.4	11.0	13.2	0.6	0.9	0.4
Cathepsin K	CTSK	sp Q3ZKN1 CATK_CANFA	37	0.0	1.1	4.8	0.0	1.1	2.0
Cathepsin S	CTSS	sp Q8HY81 CATS_CANFA	37	0.0	0.7	5.0	0.0	0.6	1.6
Clusterin	CLU	sp P25473 CLUS_CANFA	52	27.4	14.3	16.4	8.2	1.4	1.9
Coatomer subunit alpha	COPA	tr F1PU93 F1PU93_CANFA	137	0.4	3.0	5.4	0.6	1.1	1.3
Coatomer subunit gamma	COPG1	tr E2RPG9 E2RPG9_CANFA	98	1.5	5.7	5.3	1.3	0.8	1.5
Collagen alpha-1(I) chain	COL1A1	tr F1Q3I5 F1Q3I5_CANFA	139	39.0	43.7	22.9	9.1	4.3	5.7
Collagen alpha-2(I)	COL1A2	tr F1PHY1 F1PHY1_CANFA	129	43.8	51.8	25.5	12.9	3.1	4.7
Coronin	CORO1A	tr E2QSZ5 E2QSZ5_CANFA	51	0.0	0.7	8.9	0.0	0.6	2.4
Decorin	DCN	sp Q29393 PGS2_CANFA	40	45.4	27.7	17.4	5.3	3.1	5.2
Dipeptidyl peptidase 1 (Fragment)	CTSC	sp O97578 CATC_CANFA	49	0.0	10.4	14.3	0.0	3.0	2.8
Dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48 kDa subunit	DDOST	sp Q05052 OST48_CANFA	50	0.4	4.9	6.6	0.6	0.6	0.8
Endoplasmic reticulum chaperone protein	HSP90B	sp P41148 ENPL_CANFA	93	15.5	26.2	43.5	5.9	1.7	13.6
Enolase	ENO1	tr F1PCH3 F1PCH3_CANFA	47	69.9	47.6	50.7	8.4	4.6	4.2
Fascin	FSCN1	tr F1PYU3 F1PYU3_CANFA	55	0.4	7.0	9.9	0.6	2.2	4.9
Ferritin light chain	FTL	sp Q53VB8 FRIL_CANFA	20	8.8	19.5	19.4	4.7	3.6	4.0
Galectin-1	GALS1	tr E2RJL1 E2RJL1_CANFA	15	8.7	19.7	21.6	3.3	1.7	6.5
Glucose-6-phosphate 1-dehydrogenase (Fragment)	G6PD	tr E2R0I9 E2R0I9_CANFA	60	1.1	2.4	8.9	2.0	1.5	2.9
Glucose-6-phosphate isomerase	GPI	tr E2R2C3 E2R2C3_CANFA	63	22.3	14.2	15.7	4.7	1.9	2.3
Glutamate dehydrogenase (Fragment)	GLUD1	tr F1Q2N5 F1Q2N5_CANFA	54	5.0	7.1	14.3	3.0	2.2	2.2
Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2	sp P38400 GNAI2_CANFA	41	5.0	9.6	16.5	1.7	6.0	2.6

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				Normal (N=3)	Repair-only (N=3)	ASC+BMP 12 (N=3)	Normal	Repair-only	ASC+BMP12
Guanine nucleotide-binding protein G(s) subunit alpha	GNAS	sp P63091 GNAS_CANFA	46	5.0	0.3	0.9	2.8	0.6	1.5
Haptoglobin	HP	sp P19006 HPT_CANFA	36	16.2	28.1	15.1	2.4	2.4	2.1
Heat shock 70 kDa protein 1	HSPA1	sp Q7YQC6 HSP71_CANFA	70	29.7	12.0	13.2	4.9	1.1	1.9
Histone H3	LOC488263	tr J9PB22 J9PB22_CANFA	15	0.4	1.3	4.6	0.6	2.3	0.7
Histone H4	LOC486670	tr F2Z4N2 F2Z4N2_CANFA	11	5.0	11.7	10.0	2.8	3.1	0.7
Integrin beta	ITGB2	tr F1Q1H6 F1Q1H6_CANFA	85	0.4	1.0	9.0	0.6	1.0	1.0
Isocitrate dehydrogenase [NADP]	IDH2	tr F1PAM3 F1PAM3_CANFA	47	0.0	1.8	9.4	0.0	0.4	3.3
Lysozyme C, spleen isozyme	N/A	sp P81709 LYSC2_CANFA	15	1.8	7.3	11.1	1.7	2.1	3.9
Matrix metalloproteinase-9	MMP9	tr F1PYF5 F1PYF5_CANFA	78	0.0	0.4	6.3	0.0	0.6	1.7
MHC class II DR alpha chain	DLA DRA	tr Q30437 Q30437_CANFA	29	0.0	5.3	18.0	0.0	3.6	2.1
Myocilin	MYOC	sp Q2PT31 MYOC_CANFA	54	94.0	0.9	0.0	28.8	1.5	0.0
Myosin-9	MYH9	sp Q258K2 MYH9_CANFA	226	4.0	32.5	58.1	4.5	11.1	15.7
Neutrophil elastase	ELA2	tr Q8MJD1 Q8MJD1_CANFA	30	0.0	0.7	5.3	0.0	0.6	1.9
Peptidyl-prolyl cis-trans isomerase	PPIB	tr F1PLV2 F1PLV2_CANFA	24	7.2	13.0	11.3	1.9	1.6	0.5
Phosphatidylethanolamine-binding protein 1	PEBP1	sp Q3YIX4 PEBP1_CANFA	21	16.9	12.0	6.9	2.3	1.6	1.3
Proteasome subunit beta type	PSMB5	tr E2R3R2 E2R3R2_CANFA	29	4.6	1.6	1.4	1.2	1.4	1.0
Protein kinase C (Fragment)	PRKCA	tr F1Q1D5 F1Q1D5_CANFA	71	4.7	0.8	0.2	2.3	0.7	0.4
Ras-related protein Rab-10	RAB10	sp P24409 RAB10_CANFA	23	0.0	1.0	4.8	0.0	1.8	0.3
Ras-related protein Rab-1A	RAB1A	sp P62822 RAB1A_CANFA	23	3.7	10.6	10.9	3.8	0.1	0.7
Ras-related protein Rab-7a	RAB7A	sp P18067 RAB7A_CANFA	24	3.9	8.8	7.2	2.0	1.7	1.2
Ras-related protein Rab-8A	RAB8A	sp P61007 RAB8A_CANFA	24	0.0	0.0	5.0	0.0	0.0	1.5
Ribosome-binding protein 1	RRBP1	sp Q28298 RRBP1_CANFA	165	0.0	13.1	12.7	0.0	0.9	3.6
S100 calcium binding protein A8	S100A8	tr COLQL0 COLQL0_CANFA	10	1.3	8.8	18.4	0.4	3.2	4.9
Scavenger receptor cysteine-rich type 1 protein M130	CD163	sp Q2VLG6 C163A_CANFA	122	0.0	2.1	12.1	0.0	1.8	1.4
Serine/threonine-protein phosphatase PP1-beta catalytic subunit	PPP1CB	sp Q8MJ47 PP1B_CANFA	37	2.8	4.8	7.9	2.1	0.7	2.5
Serum albumin	ALB	sp P49822 ALBU_CANFA	69	118.3	290.4	216.0	102.7	34.1	9.1
Superoxide dismutase [Cu-Zn]	SOD3	tr F1PAS8 F1PAS8_CANFA	33	27.4	6.0	2.6	3.9	2.2	1.5
T-complex protein 1 subunit	TCP1	tr E2R0L9 E2R0L9_CANFA	60	2.0	3.6	8.1	0.3	3.4	2.0
Thioredoxin (Fragment)	TXN	tr J9NWJ5 J9NWJ5_CANFA	11	8.2	10.2	14.1	3.3	1.6	1.3
Transforming protein RhoA	RHOA	tr F6XY66 F6XY66_CANFA	22	1.5	3.7	6.5	1.7	1.4	1.1
UDP-glucose 6-dehydrogenase	UGDH	tr E2R311 E2R311_CANFA	55	3.1	12.1	10.7	2.0	0.4	1.7
Uncharacterized protein	n/a	tr J9NVC6 J9NVC6_CANFA	68	5.0	26.3	16.3	4.5	3.7	0.3
Uncharacterized protein	n/a	tr J9P9J6 J9P9J6_CANFA	37	0.4	13.3	3.8	0.6	2.4	2.1
Uncharacterized protein	n/a	tr F2Z4P1 F2Z4P1_CANFA	50	0.0	6.7	24.8	0.0	11.6	3.2
Uncharacterized protein	WARS	tr E2RGG9 E2RGG9_CANFA	54	0.0	2.7	8.7	0.0	1.1	1.3
Uncharacterized protein	VIT	tr E2QY57 E2QY57_CANFA	76	7.1	0.0	0.2	4.3	0.0	0.4
Uncharacterized protein	VIM	tr F1PLS4 F1PLS4_CANFA	54	343.5	172.6	123.0	114.1	14.2	15.5
Uncharacterized protein	VDAC3	tr J9PAN9 J9PAN9_CANFA	31	0.0	1.6	5.0	0.0	1.4	0.7
Uncharacterized protein	UPP1	tr H9GWE2 H9GWE2_CANFA	34	0.0	5.6	7.3	0.0	0.5	2.1
Uncharacterized protein	TXNDC5	tr F1PHP1 F1PHP1_CANFA	36	1.8	8.2	8.2	1.7	1.4	1.9
Uncharacterized protein	TUBB6	tr E2QYC2 E2QYC2_CANFA	50	0.0	18.2	19.2	0.0	1.7	2.1

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				Normal (N=3)	Repair-only (N=3)	ASC+BMP12 (N=3)	Normal	Repair-only	ASC+BMP12
Uncharacterized protein	TNXB	tr J9PBD8 J9PBD8_CANFA	445	182.2	61.8	9.7	20.1	27.6	4.9
Uncharacterized protein	TNN	tr J9P416 J9P416_CANFA	149	0.0	13.8	2.9	0.0	6.7	0.9
Uncharacterized protein	TKT	tr F1PE28 F1PE28_CANFA	63	16.7	19.4	28.0	3.7	1.9	3.4
Uncharacterized protein	THBS4	tr F1PSS2 F1PSS2_CANFA	96	62.5	25.1	8.6	32.1	4.4	2.1
Uncharacterized protein	TF	tr J9P430 J9P430_CANFA	83	99.6	119.5	87.5	11.7	9.2	6.0
Uncharacterized protein	n/a	tr J9P3C5 J9P3C5_CANFA	17	0.6	2.6	4.5	1.0	0.5	0.6
Uncharacterized protein	WNT10B	tr E2RSF6 E2RSF6_CANFA	21	5.4	7.2	11.4	2.8	0.9	2.0
Uncharacterized protein	VCL	tr J9P4F3 J9P4F3_CANFA	117	8.9	15.9	14.3	2.0	1.2	3.6
Uncharacterized protein	VCAN	tr J9P884 J9P884_CANFA	261	48.9	16.3	8.9	3.7	1.4	5.3
Uncharacterized protein	UQCRC2	tr E2RHL0 E2RHL0_CANFA	41	0.0	3.2	5.5	0.0	2.2	2.4
Uncharacterized protein	UQCRC1	tr E2RSI5 E2RSI5_CANFA	54	0.0	1.1	6.3	0.0	0.2	2.9
Uncharacterized protein	TPM4	tr E2R662 E2R662_CANFA	29	2.6	18.0	20.4	2.3	2.0	3.7
Uncharacterized protein	TPM1	tr E2RB38 E2RB38_CANFA	29	2.2	16.7	21.6	2.2	2.9	3.5
Uncharacterized protein	TPM1	tr F1P912 F1P912_CANFA	37	0.0	12.2	16.7	0.0	2.5	1.8
Uncharacterized protein	TNXB	tr F1Q432 F1Q432_CANFA	419	186.2	62.3	5.4	20.7	27.4	5.2
Uncharacterized protein	TNC	tr J9NRP5 J9NRP5_CANFA	260	114.6	133.7	67.6	19.2	7.4	15.0
Uncharacterized protein	TLN1	tr F1PSC2 F1PSC2_CANFA	270	17.8	25.9	41.2	1.8	2.3	4.8
Uncharacterized protein	THBS1	tr F1PBI6 F1PBI6_CANFA	130	32.0	1.6	0.7	9.3	0.9	0.7
Uncharacterized protein	TGM2	tr F1Q435 F1Q435_CANFA	77	0.0	0.0	10.4	0.0	0.0	4.2
Uncharacterized protein	SYNCRIP	tr F6XIK8 F6XIK8_CANFA	63	0.4	5.0	6.0	0.6	1.8	1.9
Uncharacterized protein	STAT1	tr E2RI99 E2RI99_CANFA	87	0.0	0.0	6.9	0.0	0.0	2.5
Uncharacterized protein	SSR4	tr E2QY54 E2QY54_CANFA	19	1.1	4.7	6.2	1.1	1.9	1.2
Uncharacterized protein	SND1	tr E2RH91 E2RH91_CANFA	102	0.0	5.5	12.0	0.0	2.4	3.6
Uncharacterized protein	SMPDL3A	tr J9NYQ3 J9NYQ3_CANFA	52	0.0	7.7	6.6	0.0	2.1	1.3
Uncharacterized protein	SLC29A1	tr E2RLS3 E2RLS3_CANFA	83	14.5	16.6	28.5	0.9	0.4	5.9
Uncharacterized protein	SFPQ	tr F1P7J0 F1P7J0_CANFA	71	0.9	3.5	5.0	0.9	1.7	1.6
Uncharacterized protein	SERPINH1	tr E2RHY7 E2RHY7_CANFA	47	5.4	28.5	19.5	2.2	3.3	0.2
Uncharacterized protein	SERPINF1	tr F2Z4Q7 F2Z4Q7_CANFA	47	24.2	21.1	11.4	4.9	2.9	0.9
Uncharacterized protein	SERPINB1	tr E2RKJ6 E2RKJ6_CANFA	43	0.0	2.1	11.0	0.0	2.1	0.8
Uncharacterized protein	SEPT7	tr F1Q067 F1Q067_CANFA	45	3.7	4.6	7.2	0.6	1.2	1.7
Uncharacterized protein	RPN2	tr F1PCT7 F1PCT7_CANFA	71	0.7	6.5	11.6	0.6	1.4	0.7
Uncharacterized protein	RPN1	tr E2RQ08 E2RQ08_CANFA	69	2.0	8.9	14.2	1.1	3.4	1.8
Uncharacterized protein	RPLP0	tr F1PUX4 F1PUX4_CANFA	34	0.4	3.3	5.3	0.6	0.8	2.4
Uncharacterized protein	RDX	tr E2RRC6 E2RRC6_CANFA	71	7.3	0.0	11.2	7.2	0.0	0.4
Uncharacterized protein	RCN3	tr E2R5D5 E2R5D5_CANFA	38	0.4	9.2	8.9	0.6	2.4	2.4
Uncharacterized protein	RBBP4	tr E2QXR8 E2QXR8_CANFA	48	0.4	3.4	4.5	0.6	1.2	0.6
Uncharacterized protein	PTPRC	tr F1Q1S4 F1Q1S4_CANFA	148	0.0	0.0	7.2	0.0	0.0	0.6
Uncharacterized protein	PTGR1	tr E2R002 E2R002_CANFA	36	0.9	6.9	10.4	0.9	1.0	3.2
Uncharacterized protein	PRG4	tr F1PXD6 F1PXD6_CANFA	94	11.9	12.2	4.2	1.6	5.7	0.8
Uncharacterized protein	PRELP	tr E2RL80 E2RL80_CANFA	43	111.5	73.0	53.2	21.2	3.6	12.2
Uncharacterized protein	PRDX3	tr E2RRD4 E2RRD4_CANFA	28	1.1	3.7	6.3	2.0	0.9	1.1
Uncharacterized protein	POSTN	tr E2QYG1 E2QYG1_CANFA	87	0.0	34.6	17.6	0.0	7.2	0.9
Uncharacterized protein	PLS3	tr F6V234 F6V234_CANFA	71	23.0	14.9	8.8	2.9	3.5	1.5
Uncharacterized protein	PDIA6	tr E2RB37 E2RB37_CANFA	48	4.4	18.3	14.7	4.0	2.7	2.6
Uncharacterized protein	PDIA4	tr E2R7L1 E2R7L1_CANFA	72	3.3	10.8	20.5	0.1	3.3	6.9
Uncharacterized protein	PDIA3	tr E2RD86 E2RD86_CANFA	57	19.8	35.0	35.4	3.8	2.4	3.6
Uncharacterized protein	PCOLCE	tr E2RC23 E2RC23_CANFA	49	20.2	12.9	5.4	6.2	3.9	3.0

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Uncharacterized protein	PADI4	tr E2QVS7 E2QVS7_CANFA	74	0.0	0.0	5.0	0.0	0.0	3.3
Uncharacterized protein	PARPC1	tr J9P326 J9P326_CANFA	71	0.0	1.7	5.9	0.0	2.1	1.6
Uncharacterized protein	P4HB	tr F1PL97 F1PL97_CANFA	57	13.5	31.8	30.5	5.0	6.2	6.4
Uncharacterized protein	OGN	tr E2RNR0 E2RNR0_CANFA	41	45.0	28.3	21.5	8.0	0.2	5.7
Uncharacterized protein	NID2	tr F1P7Y6 F1P7Y6_CANFA	84	18.5	9.1	6.8	6.3	0.6	0.8
Uncharacterized protein	MZB1	tr E2R464 E2R464_CANFA	21	0.0	0.0	4.1	0.0	0.0	1.0
Uncharacterized protein	MVP	tr F1P914 F1P914_CANFA	99	0.7	3.4	7.6	1.3	1.2	3.0
Uncharacterized protein	MSN	tr E2R7F1 E2R7F1_CANFA	68	13.4	20.5	27.3	0.3	2.7	3.6
Uncharacterized protein	MMP2	tr J9P206 J9P206_CANFA	66	0.0	10.9	3.6	0.0	3.7	2.8
Uncharacterized protein	MATN2	tr F1PGH3 F1PGH3_CANFA	103	8.1	3.2	0.2	4.3	1.7	0.4
Uncharacterized protein	LUM	tr E2R416 E2R416_CANFA	38	84.0	67.8	36.6	18.5	13.6	6.8
Uncharacterized protein	LTF	tr F1PR54 F1PR54_CANFA	77	1.1	6.9	40.5	2.0	4.5	10.7
Uncharacterized protein	LOC611458	tr J9PBN6 J9PBN6_CANFA	166	0.4	36.3	14.7	0.6	8.1	5.7
Uncharacterized protein	LOC608476	tr E2R974 E2R974_CANFA	15	7.5	4.8	0.9	2.9	0.7	0.8
Uncharacterized protein	LOC478252	tr E2RHH8 E2RHH8_CANFA	19	2.4	4.6	7.6	2.3	1.2	1.9
Uncharacterized protein	LOC100855471	tr J9P889 J9P889_CANFA	94	144.0	81.0	44.5	14.5	8.4	16.8
Uncharacterized protein	LMAN1	tr E2QW60 E2QW60_CANFA	58	0.7	4.5	6.8	0.6	0.7	1.6
Uncharacterized protein	LCP1	tr E2QWN7 E2QWN7_CANFA	70	4.8	21.7	31.7	1.2	1.5	6.3
Uncharacterized protein	LAP3	tr E2RLY5 E2RLY5_CANFA	56	1.7	9.9	16.7	3.0	1.2	5.8
Uncharacterized protein	LAMC1	tr F1PHK9 F1PHK9_CANFA	165	19.4	8.3	9.6	5.3	3.7	3.9
Uncharacterized protein	LAMB2	tr E2R4J1 E2R4J1_CANFA	196	23.3	3.3	4.1	9.2	0.8	3.7
Uncharacterized protein	KRT5	tr E2R8Z5 E2R8Z5_CANFA	63	15.4	7.5	6.9	3.0	1.8	1.9
Uncharacterized protein	KERA	tr E2R423 E2R423_CANFA	40	27.2	13.7	6.6	6.4	3.6	5.8
Uncharacterized protein	KCTD12	tr E2RJY0 E2RJY0_CANFA	36	1.1	6.8	5.4	2.0	0.6	0.4
Uncharacterized protein	ITIH2	tr F1PG39 F1PG39_CANFA	107	3.0	12.9	11.2	1.7	3.7	2.2
Uncharacterized protein	IGKC	tr F1PNY2 F1PNY2_CANFA	26	6.8	15.7	13.8	1.9	2.7	4.3
Uncharacterized protein	HYOU1	tr E2RB31 E2RB31_CANFA	111	0.7	2.6	11.5	0.6	0.5	3.0
Uncharacterized protein	HTRA1	tr J9P2L4 J9P2L4_CANFA	43	1.5	7.5	2.8	1.7	0.8	1.2
Uncharacterized protein	HSPA8	tr E2ROT6 E2ROT6_CANFA	71	15.5	32.3	27.7	7.5	3.3	2.3
Uncharacterized protein	HSPA5	tr F1PIC7 F1PIC7_CANFA	72	18.0	32.4	36.6	9.8	0.9	6.1
Uncharacterized protein	HPX	tr F1PZR4 F1PZR4_CANFA	51	17.5	27.9	14.1	5.6	0.7	2.9
Uncharacterized protein	HNRNPL	tr E2R944 E2R944_CANFA	64	4.6	8.8	7.8	0.4	2.2	1.7
Uncharacterized protein	HNRNPH2	tr E2RJH5 E2RJH5_CANFA	49	0.0	5.8	3.6	0.0	2.0	3.1
Uncharacterized protein	HNRNPF	tr E2RB90 E2RB90_CANFA	46	0.0	3.6	5.3	0.0	2.7	2.2
Uncharacterized protein	HNRNPD	tr E2RIX2 E2RIX2_CANFA	38	3.7	5.4	8.6	0.6	1.3	1.8
Uncharacterized protein	HRNPA3	tr E2RFV7 E2RFV7_CANFA	40	6.7	12.2	12.1	2.2	1.1	3.3
Uncharacterized protein	HLA-DQA1	tr J9P739 J9P739_CANFA	28	0.0	0.0	4.2	0.0	0.0	1.4
Uncharacterized protein	HDLBP	tr E2RET1 E2RET1_CANFA	142	0.0	8.9	6.5	0.0	1.9	1.7
Uncharacterized protein	HAPLN3	tr E2R1I9 E2R1I9_CANFA	41	11.0	0.7	0.0	2.8	1.2	0.0
Uncharacterized protein	HAPLN1	tr J9PAT9 J9PAT9_CANFA	40	45.8	12.7	11.5	13.4	6.5	4.6
Uncharacterized protein	GSTM4	tr F1P6R7 F1P6R7_CANFA	26	13.7	2.6	2.9	3.2	0.5	1.4
Uncharacterized protein	GSTM3	tr E2R5B9 E2R5B9_CANFA	27	9.1	1.8	1.7	4.2	1.6	0.6
Uncharacterized protein	GNB2L1	tr F1PLR0 F1PLR0_CANFA	35	6.6	14.8	17.3	3.2	3.7	1.3
Uncharacterized protein	GNAI3	tr F1P6Q0 F1P6Q0_CANFA	41	0.0	1.1	7.2	0.0	1.8	2.3
Uncharacterized protein	GC	tr F1P841 F1P841_CANFA	54	25.7	36.7	27.1	4.5	4.0	0.8
Uncharacterized protein	GANAB	tr E2R729 E2R729_CANFA	109	1.9	5.3	9.4	1.3	2.1	3.2
Uncharacterized protein	FLNB	tr E2R0F2 E2R0F2_CANFA	281	0.4	0.0	5.9	0.6	0.0	1.8

Protein Name	Gene Symbol	Accession Number	Molecular Weight (kDa)	Total Spectrum Count_Mean			Total Spectrum Count_SD		
				Normal (N=3)	Repair-only (N=3)	ASC+BMP12 (N=3)	Normal	Repair-only	ASC+BMP12
Uncharacterized protein	FLNA	tr F1PWW0 F1PWW0_CANFA	281	7.6	49.2	60.1	2.4	2.7	7.5
Uncharacterized protein	FKBP10	tr E2QZA8 E2QZA8_CANFA	64	0.7	10.4	7.2	1.3	2.2	0.7
Uncharacterized protein	FBP1	tr E2RAN6 E2RAN6_CANFA	37	0.0	0.0	23.4	0.0	0.0	11.0
Uncharacterized protein	FBLN5	tr F1PJM1 F1PJM1_CANFA	51	9.5	3.7	3.3	2.4	0.9	1.6
Uncharacterized protein	FBLN1	tr F1PLV6 F1PLV6_CANFA	78	50.9	25.1	12.6	7.1	4.4	3.1
Uncharacterized protein	F13A1	tr F1PKX3 F1PKX3_CANFA	83	28.6	9.3	11.2	8.4	1.3	1.1
Uncharacterized protein	ERO1L	tr E2RNW5 E2RNW5_CANFA	54	0.0	0.7	7.8	0.0	0.6	2.4
Uncharacterized protein	EIF4A1	tr F1P895 F1P895_CANFA	46	2.6	9.1	9.4	2.8	0.5	2.2
Uncharacterized protein	EHD2	tr F1PNP7 F1PNP7_CANFA	61	18.7	9.7	7.3	0.1	1.8	0.6
Uncharacterized protein	EFEMP1	tr E2R612 E2R612_CANFA	55	8.7	6.4	2.7	1.1	1.0	1.3
Uncharacterized protein	EEF2	tr F6XRY2 F6XRY2_CANFA	95	10.9	31.3	35.3	2.3	4.3	4.0
Uncharacterized protein	EEF1G	tr E2R574 E2R574_CANFA	50	2.2	6.4	7.8	1.2	1.0	2.3
Uncharacterized protein	DSTN	tr J9P1J5 J9P1J5_CANFA	20	8.7	5.6	2.8	1.1	0.5	1.6
Uncharacterized protein	DPYSL3	tr F1Q3Y2 F1Q3Y2_CANFA	62	9.4	24.2	11.5	1.3	1.1	3.6
Uncharacterized protein	dla88	tr F1PE32 F1PE32_CANFA	43	0.0	0.0	8.3	0.0	0.0	3.1
Uncharacterized protein	CTSB	tr E2R6Q7 E2R6Q7_CANFA	38	1.7	10.5	9.1	1.7	1.1	3.2
Uncharacterized protein	CSPG4	tr J9P6X3 J9P6X3_CANFA	248	7.5	0.3	0.2	5.3	0.6	0.4
Uncharacterized protein	CRYAB	tr E2RNB6 E2RNB6_CANFA	20	10.3	0.7	1.5	4.6	0.6	2.5
Uncharacterized protein	CP	tr F1PAX2 F1PAX2_CANFA	123	16.7	24.9	19.3	3.7	0.8	2.7
Uncharacterized protein	COPE	tr E2RAT6 E2RAT6_CANFA	35	0.9	2.5	5.3	0.9	1.0	0.8
Uncharacterized protein	COPE	tr E2R667 E2R667_CANFA	102	0.7	2.5	5.1	1.3	1.5	1.9
Uncharacterized protein	COMP	tr E2RJE0 E2RJE0_CANFA	87	314.4	40.5	18.2	145.3	5.6	5.1
Uncharacterized protein	COL6A3	tr F1PR31 F1PR31_CANFA	342	604.9	361.9	234.9	35.5	25.2	82.8
Uncharacterized protein	COL6A3	tr F1PR39 F1PR39_CANFA	323	580.6	344.4	221.9	32.6	19.6	81.2
Uncharacterized protein	COL6A1	tr F1PFM6 F1PFM6_CANFA	109	296.1	177.3	91.8	50.4	26.5	32.7
Uncharacterized protein	COL3A1	tr F1PG69 F1PG69_CANFA	139	2.0	8.5	5.3	1.1	1.9	2.1
Uncharacterized protein	COL14A1	tr E2RT85 E2RT85_CANFA	192	0.0	50.9	18.0	0.0	13.4	2.2
Uncharacterized protein	COL12A1	tr F6XWS5 F6XWS5_CANFA	332	105.6	118.1	48.4	23.1	14.2	10.8
Uncharacterized protein	CLTC	tr F1PHQ0 F1PHQ0_CANFA	192	9.6	23.5	35.2	6.0	5.9	2.4
Uncharacterized protein	CKAP4	tr F1PEI2 F1PEI2_CANFA	65	0.7	18.4	15.2	1.3	3.8	5.8
Uncharacterized protein	CILP2	tr E2RCP2 E2RCP2_CANFA	126	60.2	33.4	25.0	11.7	8.3	16.9
Uncharacterized protein	CILP2	tr E2QSQ9 E2QSQ9_CANFA	132	35.6	11.3	8.3	10.0	1.2	5.7
Uncharacterized protein	CHAD	tr E2QRS3 E2QRS3_CANFA	41	8.7	0.3	0.0	4.9	0.6	0.0
Uncharacterized protein	CD5L	tr F1PAX5 F1PAX5_CANFA	38	0.0	8.4	4.2	0.0	1.0	1.5
Uncharacterized protein	CD177	tr E2RFK4 E2RFK4_CANFA	42	0.0	0.4	5.0	0.0	0.6	1.6
Uncharacterized protein	CD109	tr F1PM26 F1PM26_CANFA	162	14.3	3.8	1.9	2.9	1.6	1.9
Uncharacterized protein	CCT5	tr J9PAI4 J9PAI4_CANFA	59	1.3	3.1	5.2	1.2	1.0	1.1
Uncharacterized protein	CAPZB	tr F1PQS3 F1PQS3_CANFA	41	1.7	4.9	6.8	0.5	0.6	1.4
Uncharacterized protein	CAPG	tr E2R413 E2R413_CANFA	39	4.4	11.5	12.7	4.4	2.1	1.8
Uncharacterized protein	CALU	tr E2RN38 E2RN38_CANFA	37	5.4	9.9	10.7	2.8	0.7	1.3
Uncharacterized protein	C7	tr E2RG01 E2RG01_CANFA	95	0.4	5.9	5.6	0.6	1.7	1.1
Uncharacterized protein	C5	tr F1P7J4 F1P7J4_CANFA	189	3.2	12.4	10.2	2.8	1.2	4.0
Uncharacterized protein	C4BPA	tr F1PGM9 F1PGM9_CANFA	58	3.7	16.5	10.2	2.9	3.1	2.0
Uncharacterized protein	C2	tr E2RS80 E2RS80_CANFA	141	18.7	25.2	12.1	2.1	1.7	4.3
Uncharacterized protein	C1S	tr F1P6E1 F1P6E1_CANFA	78	0.4	6.7	2.2	0.6	1.1	0.3
Uncharacterized protein	BLVRB	tr E2QVU9 E2QVU9_CANFA	22	3.0	10.6	12.4	0.7	4.0	0.7
Uncharacterized protein	ATP6V1B2	tr E2RAC6 E2RAC6_CANFA	57	1.1	0.3	5.7	1.1	0.6	1.8

Protein Name	Gene Symbol	Accession Number	Molecular Weight (kDa)	Total Spectrum Count_Mean			Total Spectrum Count_SD		
				Normal (N=3)	Repair-only (N=3)	ASC+BMP 12 (N=3)	Normal	Repair-only	ASC+BMP12
Uncharacterized protein	ATP6VIA	tr E2QYG6 E2QYG6_CANFA	68	0.7	3.1	5.7	1.3	1.8	1.2
Uncharacterized protein	ATIC	tr F1P797 F1P797_CANFA	65	2.4	2.9	6.7	0.8	1.5	1.0
Uncharacterized protein	ASS1	tr E2QU08 E2QU08_CANFA	47	13.6	0.0	0.0	5.1	0.0	0.0
Uncharacterized protein	ASPN	tr E2RBW8 E2RBW8_CANFA	42	7.4	20.1	10.1	1.2	2.4	1.4
Uncharacterized protein	ARPC2	tr F1PAG6 F1PAG6_CANFA	21	0.7	3.8	5.4	1.3	0.6	2.3
Uncharacterized protein	ARHGDIB	tr E2RAL0 E2RAL0_CANFA	23	1.7	6.1	6.6	0.5	0.7	0.8
Uncharacterized protein	ARF4	tr J9P5N6 J9P5N6_CANFA	21	5.2	12.7	10.8	1.8	3.3	2.0
Uncharacterized protein	AP2A2	tr F1PDT7 F1PDT7_CANFA	95	0.0	0.8	5.5	0.0	0.7	0.5
Uncharacterized protein	AP1B1	tr E2RRJ6 E2RRJ6_CANFA	104	0.0	1.4	5.6	0.0	1.2	2.2
Uncharacterized protein	ANGPTL7	tr E2R2G1 E2R2G1_CANFA	40	54.8	1.1	1.4	26.7	0.2	1.5
Uncharacterized protein	ALDH2	tr F1PBJ8 F1PBJ8_CANFA	57	4.6	7.6	15.1	0.4	3.1	4.6
Uncharacterized protein	ACTR3B	tr J9PAK3 J9PAK3_CANFA	42	5.0	4.9	10.8	3.0	0.7	1.4
Uncharacterized protein	ACTN1	tr E2QY07 E2QY07_CANFA	103	4.4	26.5	23.5	7.6	3.4	2.6
Uncharacterized protein	ACO2	tr E2RCY8 E2RCY8_CANFA	86	1.7	6.4	8.3	0.5	1.1	3.7
Uncharacterized protein	A2M	tr F6UME0 F6UME0_CANFA	165	0.0	21.4	8.6	0.0	5.8	4.6
Uncharacterized protein	A1BG	tr F1PCK2 F1PCK2_CANFA	58	11.9	31.6	18.7	2.2	5.0	8.5
Uncharacterized protein	N/A	tr F1PWR2 F1PWR2_CANFA	193	22.7	48.6	30.3	7.2	8.9	10.2
Uncharacterized protein	N/A	tr F1PSX2 F1PSX2_CANFA	11	28.0	39.4	30.8	5.1	1.9	1.8
Uncharacterized protein	N/A	tr J9NSQ1 J9NSQ1_CANFA	16	25.7	37.8	30.8	6.0	2.7	2.3
Uncharacterized protein	N/A	tr F1Q406 F1Q406_CANFA	59	0.0	2.5	4.9	0.0	1.0	0.8
Uncharacterized protein	VDAC1	tr F1PC72 F1PC72_CANFA	32	6.9	9.7	11.3	2.2	1.7	0.8
Uncharacterized protein	VCP	tr E2RLQ9 E2RLQ9_CANFA	91	6.1	15.0	25.2	3.8	5.8	4.6
Uncharacterized protein	TMEM3	tr F1PPC9 F1PPC9_CANFA	45	11.5	3.0	4.5	3.5	1.1	1.9
Uncharacterized protein	TMED10	tr E2QYL0 E2QYL0_CANFA	25	1.1	3.3	5.4	1.1	0.8	1.6
Uncharacterized protein	TGFBI	tr F1PW10 F1PW10_CANFA	71	99.1	58.9	36.4	34.9	9.3	9.8
Uncharacterized protein	SEPT9	tr F1PB08 F1PB08_CANFA	64	0.6	2.0	5.5	1.0	1.7	1.8
Uncharacterized protein	S100A9	tr J9P732 J9P732_CANFA	21	0.0	1.9	5.6	0.0	1.2	0.4
Uncharacterized protein	RPL5	tr F1P7B0 F1P7B0_CANFA	34	0.4	2.7	5.5	0.6	1.1	1.3
Uncharacterized protein	RAB1B	tr F1PVP9 F1PVP9_CANFA	22	3.9	8.6	8.1	2.0	0.7	0.3
Uncharacterized protein	PTBP	tr F1PCJ7 F1PCJ7_CANFA	60	1.8	6.9	8.8	1.7	1.0	1.5
Uncharacterized protein	PPA1	tr F1PIJ6 F1PIJ6_CANFA	32	0.4	4.5	4.9	0.6	1.7	1.7
Uncharacterized protein	PFN1	tr F1Q3Y0 F1Q3Y0_CANFA	11	6.8	17.3	20.2	5.2	2.4	3.7
Uncharacterized protein	PDXK	tr J9P5E0 J9P5E0_CANFA	32	0.0	5.9	5.0	0.0	2.3	1.6
Uncharacterized protein	MRC1	tr F1PMH6 F1PMH6_CANFA	166	0.0	3.1	13.8	0.0	1.0	2.5
Uncharacterized protein	MPO	tr F1PQ52 F1PQ52_CANFA	84	0.0	0.4	11.9	0.0	0.6	4.1
Uncharacterized protein	MFI2	tr F1P7Y8 F1P7Y8_CANFA	73	6.1	0.0	0.0	1.4	0.0	0.0
Uncharacterized protein	MFG8	tr F1PFZ5 F1PFZ5_CANFA	48	66.1	19.1	21.3	24.2	4.9	7.5
Uncharacterized protein	LRRCS9	tr F1Q3G5 F1Q3G5_CANFA	37	0.0	3.3	4.9	0.0	0.8	1.7
Uncharacterized protein	LMNB1	tr J9P3G1 J9P3G1_CANFA	54	1.7	8.5	14.3	3.0	1.9	3.3
Uncharacterized protein	KRT7	tr F1PRB0 F1PRB0_CANFA	51	9.5	5.7	5.5	2.4	0.8	0.9
Uncharacterized protein	ITIH4	tr H9GWY3 H9GWY3_CANFA	101	1.1	8.2	2.1	2.0	1.4	1.5
Uncharacterized protein	HSP90AA1	tr F1PGY1 F1PGY1_CANFA	73	20.3	18.1	25.4	1.8	1.3	3.7
Uncharacterized protein	HLA-DRB1	tr F6V690 F6V690_CANFA	31	0.0	2.5	7.4	0.0	2.2	2.6
Uncharacterized protein	HEXB	tr F1Q1M8 F1Q1M8_CANFA	52	0.0	3.0	4.6	0.0	0.3	0.3
Uncharacterized protein	HADHA	tr F1PIP0 F1PIP0_CANFA	82	0.7	3.4	6.8	1.3	0.5	1.0
Uncharacterized protein	FABP5	tr F1PLY9 F1PLY9_CANFA	13	0.4	1.8	4.8	0.6	0.4	1.8
Uncharacterized protein	ERP29	tr J9P4L2 J9P4L2_CANFA	42	0.0	2.3	6.6	0.0	0.3	0.7

Protein Name	Gene Symbol	Accession Number	Molecular Weight (kDa)	Total Spectrum Count_Mean			Total Spectrum Count_SD		
				Normal (N=3)	Repair-only (N=3)	ASC+BMP12 (N=3)	Normal	Repair-only	ASC+BMP12
Uncharacterized protein	DLA-12	tr F1PEZ8 F1PEZ8_CANFA	40	0.0	2.0	7.6	0.0	1.7	3.6
Uncharacterized protein	n/a	tr J9NWX7 J9NWX7_CANFA	15	1.1	3.3	4.8	1.1	0.8	1.0
Uncharacterized protein	CLIC1	tr F1PBH0 F1PBH0_CANFA	28	1.8	6.9	11.2	1.7	2.7	0.8
Uncharacterized protein	CFI	tr E2R7A3 E2R7A3_CANFA	63	15.0	16.3	11.1	0.7	1.5	1.8
Uncharacterized protein	CAPZA1	tr F1P7P3 F1P7P3_CANFA	34	5.8	9.9	11.9	1.8	1.3	1.0
Uncharacterized protein	ARPC4	tr E2QWU0 E2QWU0_CANFA	20	1.5	2.2	5.0	1.3	0.9	0.2
Uncharacterized protein	APROB	tr F1P8Z5 F1P8Z5_CANFA	502	0.0	11.0	0.0	0.0	5.9	0.0
Uncharacterized protein	ALOX15	tr E2R7T5 E2R7T5_CANFA	78	0.4	0.0	8.2	0.6	0.0	2.7
Uncharacterized protein	AEBP1	tr H9GW59 H9GW59_CANFA	109	2.6	8.9	3.8	2.3	2.9	0.1
Uncharacterized protein	KRT14	tr F1Q0R0 F1Q0R0_CANFA	52	8.7	0.0	0.0	1.1	0.0	0.0
Uncharacterized protein	NNT	tr F1PLG2 F1PLG2_CANFA	114	0.0	0.0	4.2	0.0	0.0	2.9
Uncharacterized protein	GSN	tr E2QZK2 E2QZK2_CANFA	86	55.5	42.0	31.5	13.3	3.0	1.1
Uncharacterized protein	AK2	tr E2RE39 E2RE39_CANFA	27	0.4	4.6	3.8	0.6	1.3	1.8
Uncharacterized protein	TUBB4A	tr E2RFV2 E2RFV2_CANFA	50	6.9	27.0	28.5	11.9	1.5	4.6
Uncharacterized protein	NAPA	tr E2RQE7 E2RQE7_CANFA	33	2.0	1.2	4.9	1.1	1.1	0.8
Uncharacterized protein	P4HA1	tr E2RLB8 E2RLB8_CANFA	61	0.4	3.0	4.5	0.6	0.3	1.5
Uncharacterized protein	C1R	tr F1P903 F1P903_CANFA	80	0.6	4.9	1.8	1.0	0.7	1.9
Uncharacterized protein	SEC23A	tr E2QTA6 E2QTA6_CANFA	87	0.0	4.6	2.8	0.0	1.2	0.5
Uncharacterized protein	EPRS	tr E2QUR2 E2QUR2_CANFA	170	0.0	3.1	6.3	0.0	2.8	0.4
Uncharacterized protein	C2	tr E2RS79 E2RS79_CANFA	86	0.0	7.9	1.0	0.0	1.5	1.7
Uncharacterized protein	DPYSL2	tr F1P9U4 F1P9U4_CANFA	74	35.8	29.2	17.9	2.8	3.6	0.7
Uncharacterized protein (Fragment)	LMNB2	tr F1Q1E1 F1Q1E1_CANFA	61	5.2	0.0	1.5	1.4	0.0	2.6