Table S2 Antigens identified in independent samples from two or more patients.

<u>Protein G</u>

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
		Frequency							
IPI00002313.3	Caspase recruitment domain-containing protein 10	1		1	2	1	1		1
IPI00006146.4	serum amyloid A2 isoform a	2	1						
IPI00006900.1	Something about silencing protein 10						2		
IPI00011421.1	Protein AF1q						1	3	1
IPI00011510.3	Putative uncharacterized protein (Fragment)	1		3				1	
IPI00011736.4	Phosphatidylinositol 3-kinase regulatory subunit beta			1			1	1	2
IPI00015869.2	Trichohyalin	2	1		1				
IPI00017800.2	ATP-binding cassette sub-family A member 3			1	2	1			
IPI00019568.1	Prothrombin (Fragment)	1		1	1	2	3	4	
IPI00019580.1	Plasminogen	2	1	2	1	1	4	2	
IPI00020091.1	Alpha-1-acid glycoprotein 2			1	2		1		
IPI00021727.1	C4b-binding protein alpha chain	7	7	9	8	14	6	14	11
IPI00021812.2	Neuroblast differentiation-associated protein AHNAK		1			2			
IPI00021841.1	Apolipoprotein A-I	2	3	8	3	7	6	9	6
IPI00021842.1	Apolipoprotein E	5	5	8	7	10	3	13	3
IPI00021854.1	Apolipoprotein A-II	2	1	4	1	9	2	6	9
IPI00021855.1	Apolipoprotein C-I			3	1		2		1
IPI00021857.1	Apolipoprotein C-III	6	5	8	6	12	5	14	10
IPI00022229.2	Apolipoprotein B-100	2	1	4	5	4	5	2	
IPI00022333.1	Brain-specific angiogenesis inhibitor 1	1	1	1		1			
IPI00022371.1	Histidine-rich glycoprotein	7	7	9	8	14	7	14	11
IPI00022394.2	Complement C1q subcomponent subunit C	7	7	9	7	14	7	14	11
IPI00022426.1	Protein AMBP					1	1		
IPI00022429.3	Alpha-1-acid glycoprotein 1	1		1	1	1	4		
IPI00022434.4	Uncharacterized protein	1		2	6	10	6	4	7
IPI00022445.1	Platelet basic protein	2	4	6	5	6	5	4	2
IPI00022463.2	Serotransferrin	1		1			3		
IPI00022488.1	Hemopexin	1		4	3		3		
IPI00023711.2	Envoplakin					2			
IPI00025052.2	Isoform 2 of Ficolin-2			1		2	1		1
IPI00025204.1	CD5 antigen-like	2	1	2	2	2	1	2	
IPI00029168.1	Apolipoprotein(a)			2			1		
IPI00029717.1	Isoform 2 of Fibrinogen alpha chain	1	1	2	3	7	1	1	1
IPI00029739.5	Isoform 1 of Complement factor H	4		8	5	12	4	11	
IPI00032220.3	Angiotensinogen				1		1		
IPI00032328.2	Isoform HMW of Kininogen-1	4	5	8	4	1	5	2	
IPI00032958.3	Isoform 2 of Actin-binding protein anillin		1			2		2	
IPI00032970.2	Oxysterol-binding protein-related protein 11	1		1					
IPI00043494.7	Zinc finger protein 48					8		6	
IPI00103630.3	Isoform 2 of Protein phosphatase 1E					2			

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
		Frequency							
IPI00164150.10	Ras-related protein Rab-44					1		2	
IPI00164946.4 IPI00166414.1	Fidgetin	4	2	3	2	5	1	1	
IP100166414.1 IP100166663.4	Coiled-coil domain-containing protein 96 Isoform 1 of Epidermal retinol dehydrogenase 2	4	5	1 7	2	1 12	1 5	1 14	6
IPI00168728.1	FLJ00385 protein (Fragment)	5	6	8	6	7	6	7	9
IPI00168956.2	olfactory receptor 7G2	1	0	2	0	/	0	,	
IPI00178821.7	Uncharacterized protein	-				1		1	
IPI00180939.4	Isoform 3 of Phosphoinositide 3-kinase adapter protein 1	1	1	2	2		1		1
IPI00215657.1	Isoform PDE1C1 of Calcium/calmodulin-dependent 3',5'-			1	1				
IPI00216345.2	Leucine-rich repeat neuronal protein 4			1	1	2			
IPI00216588.2	Uncharacterized protein	1	4	1	1	2			
IPI00216773.6	Uncharacterized protein		1	2	1			1	1
IPI00217168.1 IPI00217413.3	Isoform ZK of Plasma membrane calcium-transporting ATP-dependent RNA helicase DHX29	1	1	2	1		2		
IPI00217413.3	Seven transmembrane helix receptor	2	1	1			2		
IPI00217512.4	Probable G-protein coupled receptor 115	1		1	4		3		
IPI00217992.1	Isoform 3 of Dystonin	-				2		1	
IPI00218126.1	Isoform 4 of Neurotrophin receptor-interacting factor homolog				1		2		
IPI00218730.6	Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit				1		1		
IPI00218732.4	Serum paraoxonase/arylesterase 1			1	1		1		
IPI00218803.3	Isoform B of Fibulin-1			2		2	1	1	
IPI00218949.1	Isoform Short of Complement factor H-related protein 2		1			5			
IPI00218999.5	Uncharacterized protein	4		1	1	1		2	
IPI00219713.1	Isoform Gamma-A of Fibrinogen gamma chain	1			1 2	1	1		
IPI00220602.6 IPI00220627.1	FERMT1 protein Isoform 5 of A-kinase anchor protein 9		1		2	1	1	3	
IPI00220027.1 IPI00249982.4	Isoform 1 of Death-inducer obliterator 1		1			2		5	
IPI00290755.6	Protein FAM81A		1		3	4	1	1	
IPI00293815.2	Neuronal PAS domain-containing protein 1		-	1		1	-	1	1
IPI00294713.5	Isoform 1 of Mannan-binding lectin serine protease 2					1		1	1
IPI00296165.7	Complement C1r subcomponent		3	6	4	7	2	3	3
IPI00296537.4	Isoform C of Fibulin-1			1		1		3	
IPI00298971.1	Vitronectin	1		4	2	13		6	6
IPI00299059.7	Isoform 2 of Neural cell adhesion molecule L1-like protein		1	1		1	1	10	
IPI00304273.2 IPI00304557.2	Apolipoprotein A-IV			1		11	1	10	
IP100305457.5	Short palate, lung and nasal epithelium carcinoma-associated PRO2275			3	4	1	4	3	
IPI00305822.1	Proline-rich protein 11		1	1	1	1	4		
IPI00333852.2	Isoform A of Fibulin-1	4	5	7	4	9	6	2	1
IPI00334276.6	Uncharacterized protein			1	1		1		
IPI00377087.4	Uncharacterized protein	3		2	1	1	1	4	
IPI00383423.3	Isoform 1 of Coiled-coil domain-containing protein 50						1	2	3
IPI00383732.1	VH3 protein (Fragment)				1	1		1	3
IPI00384404.4	Rheumatoid factor RF-ET9 (Fragment)	5	5	5	4	5	2	4	3
IPI00384938.1	Putative uncharacterized protein DKFZp686N02209			2	1		1		1
IPI00385294.5	Uncharacterized protein	3	1	2	5	74	5	4	5
IPI00385666.1 IPI00385975.1	Putative uncharacterized protein DKFZp434L1613 Isoform 2 of E3 ubiquitin-protein ligase TRIM11		1		1	4		1	1
IPI00386879.1	cDNA FLJ14473 fis, clone MAMMA1001080, highly similar	2	1	5	2	9	3	7	4
IPI00395792.1	Isoform 2 of Uncharacterized protein C19orf47	2	1	5	2	,	1	7	
IPI00397691.4	Zinc finger protein 844		1		1		-		
IPI00399007.7	Putative uncharacterized protein DKFZp686I04196	7	7	9	8	14	7	14	11
IPI00412408.1	Breast cancer type 2 susceptibility protein	1		1			1		
IPI00423464.1	Putative uncharacterized protein DKFZp686K03196		1		1				
IPI00426051.3	Putative uncharacterized protein DKFZp686C15213	2	1	8	7	14	6	12	9
IPI00427322.1	Isoform 2 of Triggering receptor expressed on myeloid cells 1					1		1	
IPI00431645.2	31 kDa protein			1	1		1		
IPI00436634.4 IPI00447173.1	Isoform 3 of Nipped-B-like protein						2 2		
IP100448925.6	Antigen MLAA-39 44 kDa protein	3	4	1	2		2	1	5
IP100448925.0 IP100451401.3	Isoform 2 of Triosephosphate isomerase	3	4	1	2			2	5
IPI00465439.5	Fructose-bisphosphate aldolase A	~	1					1	
IPI00470652.1	Single-chain Fv (Fragment)	1	-		1		1	-	1
IPI00477597.2	Isoform 1 of Haptoglobin-related protein			1			1		
IPI00478003.3	Alpha-2-macroglobulin	1		1	2		4	1	
IPI00479708.6	Full-length cDNA clone CS0DD006YL02 of Neuroblastoma	5	4	6	5	8	2	12	10
IPI00479723.5	Isoform 10 of Fibronectin					10	1	10	
IPI00513782.3	cDNA FLJ35478 fis, clone SMINT2007796, highly similar to	-		3		2		3	
IPI00514159.1	Uncharacterized protein	1	1	1		1	2	1	
IPI00515041.5	Uncharacterized protein	1	1	L		1	1	1	2

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
		Frequency							
IPI00550731.2	Putative uncharacterized protein	2	2	5	4	8		5	3
IPI00552419.3	propionyl-CoA carboxylase alpha chain, mitochondrial isoform	2	2	2	2		1		9
IPI00552578.2 IPI00552669.2	Serum amyloid A protein Uncharacterized protein	2	1	1	3		1		1
IPI00553094.1	Myosin, heavy chain 7B, cardiac muscle, beta	1	1	1			1		
IPI00553215.3	Similar to V1-5 protein		-	1		1	1		3
IPI00555565.1	Putative heat shock protein HSP 90-beta 4				1		1		
IPI00555812.5	vitamin D-binding protein isoform 1 precursor			1			2		
IPI00555948.1	Androgen-regulated short-chain dehydrogenase/reductase 1			2					
IPI00556287.1	Putative uncharacterized protein	4			2	-	1	-	
IPI00556632.4 IPI00640955.1	Isoform 12 of Fibronectin Isoform 4 of Serine/threonine-protein kinase SMG1			2		2		3	
IP100640955.1 IP100641475.1	Isoform 4 of Serine/Infeonine-protein kinase SMG1			1	1	2			1
IPI00641737.2	Haptoglobin	2		1	5	1	5		1
IPI00643151.1	Uncharacterized protein	1	1		1				
IPI00643365.2	GDP-Man:Man(3)GlcNAc(2)-PP-Dol alpha-1,2-	1		1					
IPI00643437.1	Uncharacterized protein					2			
IPI00643948.3	Uncharacterized protein	7	7	9	7	13	7	12	10
IPI00645207.2 IPI00645363.2	Uncharacterized protein	2	1	7	5	10	1	7	6
IP100645363.2 IP100647463.1	Putative uncharacterized protein DKFZp686P15220 Uncharacterized protein	3	1	7 2	5	10	6	7	6 7
IP100647403.1 IP100647704.1	cDNA FLJ41552 fis, clone COLON2004478, highly similar to			2		2	1	2	/
IPI00654673.2	serine/threonine-protein kinase TAO1 isoform 2			1		-	1	-	
IPI00657847.2	Protein			1	1		1		
IPI00740266.2	Tripartite motif-containing protein LOC642612		1			2			
IPI00745872.2	Isoform 1 of Serum albumin	2	2	4	5	9	6	4	6
IPI00746978.2	Isoform 3 of E3 ubiquitin-protein ligase SHPRH			1	1	2			2
IPI00747180.4 IPI00747638.1	Isoform 2 of WD repeat-containing protein 52				3	2	1	3	
IP100747638.1 IP100748234.3	Isoform 4 of Ribosomal protein S6 kinase-like 1 Isoform 2 of Protein FAM179B					2	1	4	
IPI00748998.1	Single-chain Fv (Fragment)	7	7	9	8	14	7	4	10
IPI00749179.2	Uncharacterized protein	2	2	4	2	4	1	1	10
IPI00759659.1	Isoform 2 of Golgi membrane protein 1			1		1			
IPI00783496.3	Uncharacterized protein C20orf202					1		2	
IPI00783987.2	Complement C3 (Fragment)	7	7	9	8	14	7	14	11
IPI00784758.1	Putative uncharacterized protein DKFZp686M08189	1	1	3	3	11	1	6	1
IPI00784842.1 IPI00784847.1	Putative uncharacterized protein DKFZp686G11190 Isoform 1 of Intraflagellar transport protein 20 homolog	2	3	5	3	5	3		6 2
IPI00784950.1	Putative uncharacterized protein DKFZp686L19235	1	1	1	2	2	1	2	2
IPI00784980.1	Isoform 1 of Coiled-coil domain-containing protein 158	-		-	_	2	-		_
IPI00789376.4	KNG1 protein	2			1	1	1	1	6
IPI00790784.2	Isoform 2 of Alpha-1-antitrypsin	1		1	4	1	3		
IPI00793108.2	98 kDa protein			1			1		
IPI00796214.1	Isoform 2 of Mediator of RNA polymerase II transcription					2			
IPI00796249.1 IPI00796316.5	Uncharacterized protein Uncharacterized protein					4 5			
IP100796515.1	Uncharacterized protein			1	1	5			
IPI00807388.1	SLC16A10 protein			1	-	1		1	
IPI00807498.1	CCDC6 protein (Fragment)					1		1	
IPI00816314.1	Putative uncharacterized protein DKFZp686I15196	1	1	3	4	9		6	2
IPI00816737.1	Rheumatoid factor D5 heavy chain (Fragment)					1		3	
IPI00827532.1	Anti-folate binding protein (Fragment)	3	1	4	3	4	1	2	5
IPI00827548.3	cDNA FLJ44825 fis, clone BRACE3046609, highly similar to					2		2	1
IPI00827693.1 IPI00827776.1	VLC8 protein (Fragment) VL87-2 protein (Fragment)	2		5		2	1	1	1 2
IPI00827788.1	VL87-2 protein (Fragment) VH-3 family (VH26)D/J protein (Fragment)	-		5		1	1	2	-
IPI00827814.1	VH-3 family (VH26)D/J protein (Fragment)					1		1	
IPI00827892.1	VH87-2 protein (Fragment)	5	5	9	5	12	6	7	8
IPI00828022.1	VH-3 family (VH26)D/J protein (Fragment)		1		1	1	1	2	
IPI00828099.1	UGa8H (Fragment)	1			1	5			2
IPI00829590.1	13 kDa protein	3	2	4	2	4	1	2	3
IPI00829701.3 IPI00829812.3	13 kDa protein 13 kDa protein	1	1	3	2	2			4
IP100829812.3 IP100829841.1	13 kDa protein	ļ	1			1		1	1
IPI00829873.2	13 kDa protein	1	1	1	1	4		1	1
IPI00844090.1	Collagen alpha-1(V) chain							2	1
IPI00844156.2	Uncharacterized protein					3		2	
IPI00844250.2	cDNA FLJ52101					2			
IPI00844400.1	23 kDa protein	1				1	1	1	2
IPI00847551.2	Isoform 2 of Neuroblastoma-amplified sequence	1				1			

Accession	Description	AAV (n=7) Frequency	TA (n=7) Frequency	MCTD (n=9) Frequency	DM (n=8) Frequency	SS (n=14) Frequency	SSc (n=7) Frequency	SLE (n=14) Frequency	Healthy (n=11) Frequency
IPI00847813.1	Plexin A4	1		1	1		1		
IPI00852758.6	Ankyrin repeat domain-containing protein 18B			1	2		3		
IPI00852795.1	Uncharacterized protein				1		2		1
IPI00853103.1	Protein			1		2	1	2	
IPI00853292.3 IPI00853525.1	Isoform 2 of Otogelin	1	1	1	4	7	1	5	9
IP100853525.1 IP100853581.1	Uncharacterized protein Uncharacterized protein	1	1	1	4	2	1	5	9
IPI00854667.1	Single chain Fv	1		1	1	2			
IPI00868939.1	Similar to Sarcoma antigen NY-SAR-41	-			-			2	
IPI00871486.1	spectrin beta chain, brain 3 isoform sigma5			1	1				2
IPI00872864.3	Uncharacterized protein		1			5			
IPI00873559.1	Isoform 2 of Zinc finger and BTB domain-containing protein 1		1		1				
IPI00876839.3	Isoform 2 of Coiled-coil domain-containing protein 144B					2		1	
IPI00876888.1	cDNA FLJ78387					3		1	
IPI00878131.1	cDNA FLJ56936, highly similar to Vitamin K-dependent					7		7	1
IPI00878729.1	Uncharacterized protein		1			2	1	1	
IPI00878772.1	Uncharacterized protein	1		3		1			1
IPI00878953.1	MRNA for apolipoprotein E	1	1	1	1	2	1	1	5
IPI00879368.1	Uncharacterized protein	1	1	1	1	2	2		5
IPI00879573.1 IPI00883586.1	Heparin cofactor 2	1			1	1	2		
IP100883586.1 IP100883634.1	Similar to Centaurin-gamma-2		╞────	}	1	2			1
IP100883634.1 IP100883722.1	RNA-directed DNA polymerase (reverse transcriptase), Uncharacterized protein	3	2	2	1	3	1	2	3
IPI00885722.1 IPI00887169.2	Putative uncharacterized protein	6	5	6	8	5	6	2	6
IPI00888032.15	Isoform 2 of Ankyrin repeat domain-containing protein 62	0	5	3	0	2	0	2	0
IPI00889697.1	Isoform 2 of Basic immunoglobulin-like variable motif-			5		2	1	1	
IPI00892959.1	Uncharacterized protein			1		1	-	-	
IPI00896471.2	Isoform 2 of Protein SZT2	1	2	-		-			
IPI00902596.1	cDNA FLJ40505 fis, clone TESTI2045562, highly similar to	1	2						
IPI00908576.1	cDNA FLJ51194, highly similar to Arfaptin-2				1			1	
IPI00908756.1	cDNA FLJ51928, highly similar to Keratinocytes-associated			1	1				
IPI00908762.3	cDNA FLJ53509, highly similar to Galectin-3-binding protein		3	3	3	11	1	7	4
IPI00908830.1	cDNA FLJ58633, highly similar to Leucine-rich repeat-			1	1				2
IPI00908840.1	Isoform 3 of AT-rich interactive domain-containing protein 5B							2	
IPI00909076.2	Uncharacterized protein			1		2	1		
IPI00909136.1	cDNA FLJ55833, highly similar to Cytochrome P450 4F8	2			1		1		
IPI00909355.1	cDNA FLJ59140	1	1	1	1	3		4	
IPI00909730.1	cDNA FLJ57124, highly similar to Actin-related protein 2/3	1	1			1		2	
IPI00909794.1 IPI00909845.2	cDNA FLJ50349, moderately similar to Betaine	1		1		1		2	
IP100909845.2 IP100910109.1	cDNA FLJ56409, highly similar to Serine/threonine-protein cDNA FLJ53678	1		1	1				
IPI00910507.1	cDNA FLJ55078 cDNA FLJ59352, highly similar to Brain-specific angiogenesis			1	1	3		2	
IPI00910625.1	cDNA FLJ51265, moderately similar to Beta-2-glycoprotein 1			1		5	1	2	
IPI00910636.1	cDNA FLJ53848, highly similar to Inter-alpha-trypsin inhibitor			1	1		1	2	
IPI00910896.1	cDNA FLJ56556, highly similar to Alpha-1-syntrophin				2				
IPI00915820.1	Anti-folate binding protein (Fragment)	6	6	8	5	9	5		6
IPI00916044.1	Uncharacterized protein	1	1			2		3	
IPI00916434.1	Anti-(ED-B) scFV (Fragment)	4	4	9	6	11	7	4	7
IPI00917650.2	Protein PIEZO1	1		2	1				3
IPI00917789.1	Uncharacterized protein					2			
IPI00922108.2	integrin alpha-V isoform 2	1		1					
IPI00922213.2	cDNA FLJ53292, highly similar to Homo sapiens fibronectin 1	1	1	1	3	4	1	2	
IPI00922330.1	Putative uncharacterized protein	2	2	2	2		1		2
IPI00922942.1	cDNA FLJ55114		4	4	2	4	4	2	1
IPI00923551.1	cDNA FLJ54318, highly similar to Complement C1r	6	4	4 3	1 2	4	4	2	7
IPI00924442.2 IPI00924859.1	Uncharacterized protein	1		3	2	5	1	1 8	1 8
IP100924859.1 IP100925173.1	kininogen-1 isoform 3 Protein	1	1		1	5	1	0	8
IP100925175.1 IP100925491.1	Uncharacterized protein		1		1	1	2		1
IPI00925451.1 IPI00926617.1	semaphorin-3E isoform 2		1			1	1	3	1
IPI00926948.1	Uncharacterized protein	3	-			-		5	1
IPI00927707.1	Uncharacterized protein				1		1		
IPI00930124.1	Putative uncharacterized protein DKFZp686C11235	2		8	4	12	3	6	2
IPI00930442.1	Putative uncharacterized protein DKFZp686M24218	4	2	6	7	8	1	-	10
IPI00930569.1	Isoform 2 of F-box only protein 31	1		2		1	1	ĺ	3
IPI00937669.2	10 kDa protein	7	7	9	8	14	7	11	10
IPI00939162.1	Isoform 2 of Zinc finger protein 589			1		8		7	1
11 100/0/102.1				Г	1	4	Г	2	9
IPI00939521.1	10 kDa protein	1	I		1	1		3	9
	10 kDa protein Uncharacterized protein cDNA FLJ40410 fis, clone TESTI2037819, moderately similar	$\frac{1}{2}$		1	1	1 5 1		6	2

	1	AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
Accession	Description	Frequency	Frequency	Frequency	Frequency	Frequency	Frequency	` '	Frequency
IPI00940494.3	Uncharacterized protein	1 1	1 1	2	2	9	riequency	4	2
IPI00942257.3	Uncharacterized protein	1	1	1	2	4		4	2
IPI00942353.1			1	1		4	2	3	
IP100942555.1 IP100942660.1	74 kDa protein Isoform 1 of Activator of 90 kDa heat shock protein ATPase		1	2	1	1	3	5	
IP100942000.1 IP100943692.1	Putative protein FAM157C		1	2	1	1	5	1	
IP100943092.1 IP100943902.3		2	3	4	1	7	1	3	3
IP100943902.3 IP100943921.1	hypothetical protein LOC401847	2	3	4	1	1	1	2	4
IP100945921.1 IP100945093.1	Isoform 4 of Synaptotagmin-like protein 2					1		2	4
IP100945095.1 IP100945626.2	Protein				3	2	1	1	
IP100945020.2 IP100945924.1	cDNA FLJ54029, highly similar to Serotransferrin	1			5	2	1	1	
IP100945924.1 IP100946590.1	Uncharacterized protein	1					2		
IP100940390.1 IP100947235.1	26 kDa protein Uncharacterized protein			1		1	2		1
IP100947233.1 IP100953689.1				1		1	3		1
IP100955853.2	Alpha-2-HS-glycoprotein			1		1	5		
IP100955855.2 IP100956602.1	Isoform 2 of Zinc finger protein 292		1	2		1	2	1	1
IP100956602.1 IP100964000.1	Anti-streptococcal/anti-myosin immunoglobulin lambda light		1	2	2		1	1	1
IP100964000.1 IP100964463.1	Uncharacterized protein	1		1	1		1		1
	Protein	1			1		1		
IPI00964555.1	Uncharacterized protein	2	1		•		-		
IPI00965713.3 IPI00966829.1	fibrinogen beta chain isoform 2 preproprotein	2	1 4	5	1 2	2	1	0	6
IP100966829.1 IP100967058.1	69 kDa protein	2	4	5	2	3	1	9 1	6
	cDNA FLJ52073				1		1	1	
IPI00967359.1	neuronal membrane glycoprotein M6-a isoform 3				1	1		2	
IPI00967366.1	Uncharacterized protein					2		2	
IPI00968154.1	Uncharacterized protein					~	2	1	
IPI00971073.1	HNF1 beta A splice variant 2					5		1	
IPI00972963.1	Lambda light chain of human immunoglobulin surface antigen-	1		1	1		1		
IPI00973260.1	cDNA FLJ55558, highly similar to Regulating synaptic		-		-		2		
IPI00973424.1	Putative uncharacterized protein	1	2	2	2				4
IPI00973428.1	Putative uncharacterized protein	1		2			1		
IPI00973531.1	Putative uncharacterized protein		1	2		3		1	
IPI00973588.1	Full-length cDNA clone CS0DI019YF20 of Placenta of	2	1	1	2	7	1	7	4
11 100775588.1	Homo sapiens (Fragment)	2	1	1	2	/	1	'	Ŧ
IPI00975497.1	Uncharacterized protein	6	5	7	4	11	2	8	5
IPI00975967.1	Conserved hypothetical protein					1		1	
IPI00976183.1	Similar to Cold agglutinin FS-1 H-chain		1	6	1	1	1		
IPI00976496.1	Similar to Cold agglutinin FS-1 H-chain	6	2	8	4	6	1		
IPI00976752.2	Isoform 4 of Clusterin	-		-		2		1	
IPI00977103.1	Uncharacterized protein				1			1	
IPI00977658.1	Eukaryotic translation initiation factor 3 subunit H				1	1		4	3
IPI00977788.1	Similar to Hepatitis B virus receptor binding protein	7	7	9	8	9	7	7	9
IPI00978069.1	Uncharacterized protein	1	/	1	0	1	1	/	,
IP100978544.1	52 kDa protein	1		2	1	1	1		
					-	10	~	10	
IPI00978715.1	Clusterin			3	2	12	5	12	
IPI00979320.1	Similar to Cold agglutinin FS-1 L-chain	1	1		2	2	1	2	2
IPI00979784.1	Serum amyloid A protein							3	2
IPI00979799.1	Similar to VH-7 family (N54P3)D/J protein					2			
IPI00980864.1	Apolipoprotein J	1	1	4	2				2
IPI00981659.1	Similar to Cold agglutinin FS-1 H-chain	1	3		2	10	2	5	
IPI00982021.1	ATP10B protein					2		1	
IPI00982295.1	Uncharacterized protein				2				
IPI00982461.1	Conserved hypothetical protein	1		1					
IPI00982864.1	Conserved hypothetical protein	1					1		
IPI00983475.1	Similar to Hepatitis B virus receptor binding protein	4	1	4	2	7	2	5	4
IPI00983835.1	Uncharacterized protein			1	1	1	1	3	-
IPI00985211.1	Similar to VH-3 family (VH26)D/J protein		1	1		2	-	1	1
IP100985334.2	titin isoform N2-B		1	1		-	2	1	1
11100703334.2				l		<u> </u>	2		1
IPI00985346.1	Uncharacterized protein	1	1		2	1	1	2	
IPI00985346.1 IPI01009693.1	Uncharacterized protein Uncharacterized protein	1	1		3	2	1	2	
IPI00985346.1 IPI01009693.1 IPI01009738.1	Uncharacterized protein Uncharacterized protein Isoform 3 of Golgin subfamily A member 4	1	1			2	2		
IPI00985346.1 IPI01009693.1	Uncharacterized protein Uncharacterized protein	1	1		3			2 1 1	2

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
		Frequency							
IPI01010467.1	Uncharacterized protein					2		7	
IPI01010590.1	Uncharacterized protein	3	1	1		2	3		
IPI01010789.1	Putative uncharacterized protein DKFZp779M0222	1		4	3	1			
11101010789.1	(Fragment)	1		4	3	1			
IPI01010866.1	cDNA FLJ51742, highly similar to Inter-alpha-trypsin inhibitor				1		1		
11101010800.1	heavy chain H4				1		1		
IPI01010990.1	cDNA FLJ53478, highly similar to Galectin-3-binding protein			1		1		1	
IPI01011655.1	Uncharacterized protein			2		1		3	
IPI01011877.1	cDNA FLJ59435, highly similar to Homo sapiens outer dense							2	
IF1010118/7.1	fiber of sperm tails 2 (ODF2), transcript variant 2, mRNA							2	
IPI01011950.2	13 kDa protein	3	3	2	4		1		
IPI01012262.1	Uncharacterized protein			2					
IPI01012492.1	cDNA FLJ53075, highly similar to Kininogen-1		1		2	7		1	2
IPI01012602.1	Protein				1		1		
IPI01012744.1	Uncharacterized protein	4	3	2	3	5	3		6
IPI01012924.1	65 kDa protein					4		4	2
IPI01013307.1	Dermatan-sulfate epimerase			1	1				
IPI01014124.1	Uncharacterized protein	1		3	2	8	1	7	1
IPI01014270.2	Uncharacterized protein	4	5	5	3	9	2	10	7
IPI01014593.1	104 kDa protein	1	1	1	2	5	3		2
IPI01015266.1	Putative uncharacterized protein DKFZp686O16217	1		1		1	2		
IF101015200.1	(Fragment)	1		1		1	2		
IPI01015781.1	Uncharacterized protein				2		1	2	1
IPI01018907.1	Tospeak-10	2		1	1		2		
IPI01018949.1	cDNA FLJ51266, highly similar to Vitronectin	1		1		1	2	7	7
IPI01020943.1	BRCA1 associated RING domain 1 isoform pi (Fragment)				1			1	
IPI01021041.1	Protein					3		4	3
IPI01022028.1	Protein	4	4	6	5	4	4	2	1
IPI01022666.2	MHC class II antigen (Fragment)				1	1			
IPI01022820.1	Amyloid lambda 6 light chain variable region SAR (Fragment)			1		1	1		
IPI01024846.1	20 kDa protein	1		2					2
IPI01025129.1	12 kDa protein				2	1	1		
IPI01025316.1	23 kDa protein				1		1		
IPI01026240.1	9 kDa protein					5		1	
IPI01026317.1	cDNA FLJ55146, highly similar to Complement C4-B	1		1	2		1		1

Table S2 Antigens identified in independent samples from two or more patients.

Protein A

Accession	Description	AAV (n=7) Frequency	TA (n=7) Frequency	MCTD (n=9) Frequency	DM (n=8) Frequency	SS (n=14) Frequency	SSc (n=7) Frequency	SLE (n=14) Frequency	Healthy (n=11) Frequency
IPI00002313.3	Caspase recruitment domain-containing protein 10	1	1		2	2		2	
	SAM and SH3 domain-containing protein 3		1					3	2
	Fibroblast growth factor 3	1	1			1			
IPI00006146.4	serum amyloid A2 isoform a	2		1					
IPI00006170.2	Isoform 1 of Fanconi anemia group A protein					1		1	
IPI00007138.2	Isoform 2 of Disks large-associated protein 4	2							
	Isoform 2 of Ankyrin repeat domain-containing protein 26				2				
IPI00007858.2	Myosin-13	2	1	1	2	2	1	3	
IPI00009862.4	Cerebellar degeneration-related protein 2	1				1			
	Trichohyalin					1		1	
IPI00016020.1	T-cell surface glycoprotein CD3 gamma chain	3	4	4	6	3	3	11	6
	ATP-binding cassette sub-family A member 3		1		2	1		1	
IPI00020091.1	Alpha-1-acid glycoprotein 2				1		2		
IPI00021727.1	C4b-binding protein alpha chain	4			1				
IPI00021841.1	Apolipoprotein A-I	1	4	4	2	4	2	9	3
IPI00021842.1	Apolipoprotein E	1	1	3	5	1	2	3	1
IPI00021855.1	Apolipoprotein C-I				1	1	1		
	Apolipoprotein C-III	5	2	3	8	9	5	14	1
IPI00022229.2	Apolipoprotein B-100	2		1	2		1	1	
IPI00022333.1	Brain-specific angiogenesis inhibitor 1			2	1		1		
IPI00022371.1	Histidine-rich glycoprotein	3	1	5	2	1		9	11
IPI00022394.2	Complement C1q subcomponent subunit C	7	6	9	8	4	5	11	4
IPI00022429.3	Alpha-1-acid glycoprotein 1	1			1		1		
IPI00022434.4	Uncharacterized protein	2	1	2	7		5	10	3
IPI00022445.1	Platelet basic protein	3		2	2	1		3	1
	Serotransferrin				1			1	
IPI00022488.1	Hemopexin				1		1		
IPI00022987.3	PRO0483					2			
IPI00023217.2	Isoform 1 of Ryanodine receptor 2				1			1	
IPI00023466.2	Protein AF-17				2				
IPI00024111.4	RIB43A domain with coiled-coils 2		1		1				
IPI00025204.1	CD5 antigen-like	7	5	6	7	9	5	12	7
IPI00026303.4	Peptidase inhibitor 15	1			1	1			
IPI00029168.1	Apolipoprotein(a)						1	1	
IPI00029507.1	Potassium channel subfamily K member 5	1				1			
IPI00031056.3	Zinc finger MYND domain-containing protein 15	1				1			
IPI00032931.2	Isoform 2 of Peroxisomal targeting signal 1 receptor		2						
IPI00045600.6	Isoform 3 of Disabled homolog 2-interacting protein		1			2		3	
IPI00064162.4	Deubiquitinating protein VCIP135			1	1				
IPI00103027.4	Isoform 2 of SPATS2-like protein		1					1	

Frequency Frequency <t< th=""><th></th><th></th><th>AAV</th><th>TA</th><th>MCTD</th><th>DM</th><th>SS</th><th>SSc</th><th>SLE</th><th>Healthy</th></t<>			AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
IPPC003843: Manisoshi kogram 1 2 1 1 1 1 IPPC003841: NAG11 1	Accession	Description	(n=7) Frequency	(n=7) Frequency	(n=9) Frequency	(n=8) Frequency	(n=14) Frequency	(n=7) Frequency	(n=14) Frequency	(n=11) Frequency
IPPO00398.1 NAG11 I	IPI00103465.1	Mandaselin long form	1					1		4
Image Image Image Image Image Image IPPOLISELD Reachand potent has Ha-H4 I I I I Image IPPOLISELD Reachand potent has Ha-H4 I I Image Image IPPOLISESCA Motorn I of States runs retroid delydrogenese 2 Image Image Image IPPOLISESCA Motorn I of States currer framly 12 members 3 Image Image Image IPPOLISESCA Motorn I of States currer framly 12 members 3 Image Image Image Image IPPOLISESCA Motorn I of State currer framly 12 members 3 Image	IPI00103847.2	Transmembrane protein 190	1				1			
PIPD1015401 Rase-shard protein Rab-41 I	IPI00103898.1	NAG11	1				1			
IPPOLOSHAGE Lightin I	IPI00152127.1	Putative uncharacterized protein C11orf45	1				1			
IPPOLIDISTY A. Lobarn 1 of Exploration reined delydiparase 2 .	IPI00164150.10	Ras-related protein Rab-44			1	1				
IPPO10603.1 Informal of Epidemal region delyndogenese 2 i			1		1		1		2	
IPPOLIOP328.1 ILAUNS protein triagment 6 6 7 6 13 7 5 IPPOLIOP328.1 Labora vector TC2. 1 1 2 1 2 1 2 IPPOLIOP315.1 Softman 1.6. Starceptor 2 1 2 1 2 IPPOLIOP315.1 Softman 5.6. Storeptor 1 1 2 1 2 IPPOLIOP315.1 Softman 5.6. Storeptor 1	IPI00165579.6	Isoform 2 of Cytosolic non-specific dipeptidase							2	
IPPOL09862. Interversport 702 Interversion Interversion Interversion IPPOL016488. Norm of SAMac correr frame. L2 member 3 Interversion 2 Interversion IPPOL016488. Norm of SAMac correr frame. L2 member 3 Interversion 2 Interversion IPPOL01848.0. Norm of SAMac correr frame. L2 member 3 Interversion Interversion 2 Interversion IPPOL01848.0. Norm of Advance mean meaning network Interversion Interversion Interversion Interversion IPPOL02847.0. Norm of Advance mean meaning network Interversion Interversion Interversion Interversion IPPOL02847.0. Normal advance mean mean mean mean mean mean mean mea	IPI00166663.4	Isoform 1 of Epidermal retinol dehydrogenase 2			3	1	1	1	1	
IPPO2015135. Information of Solute carrier family 12 monder 3 Into 1 2 1 2 1 7 IPPO201511. Information of Neurotrophin receptor einteracting factor homolog Into 1 Into 1 <t< td=""><td>IPI00168728.1</td><td>FLJ00385 protein (Fragment)</td><td>6</td><td>6</td><td>7</td><td>6</td><td>13</td><td>7</td><td>8</td><td>5</td></t<>	IPI00168728.1	FLJ00385 protein (Fragment)	6	6	7	6	13	7	8	5
IPP0217311.1 Even transmembrane bals receptor Image: Construction of the construction factor homolog Image: Construction of Construction of Construction factor homolog IPP0217312.0 Inform 4 of Neuroscientariang factor homolog Image: Construction of Const	IPI00168956.2	olfactory receptor 7G2								
IPPO201812.0.1 Josofnar 1 of Neurotophin receptor-interceting factor bonolog I						2	2	1	2	1
IPPO20965.2 Isofam 5 (Opcgen deframing protein 6) IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					2					
IPPICO2812:06 Sequel: 4 Image: 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1						2			2	
IPP02098425.6 Condet-containing protein G1 1 1 1 2 IPP02098163.7 Competence (T) subcomponent 2 1						1			1	
IPPI0297667 Complement Cir subcomposent 2 1 2 2 2 IPPI0297626 Isoform 1 of Absyrin regrat domain-containing protein 42 1 1 1 1 IPPI02978625 Isoform 1 of Absyrin regrat domain-containing protein 42 1 1 1 1 IPPI02978525 Isoform 2 of V-type proton ATP ase subunit C 2 1 1 1 1 1 IPPI02978525 Soform 2 of Specirin blata chain him 1 1 - 2 1 1 IPPI02978525 Jostorm 1 of Rb COTPase-activating protein 7 2 2 1		*			1					2
IPID0297462.6 Uncharacerized protein C1ref65 II II II II II II II II II III III III III III III III II						-	1			
IPP00298925 Isoform I I I I IPP0029825 Isoform IV IV I I I I I I IV					1	2		2		
IPPI0205543 Knest-ikke procin KIF14 1		1	1	1						
IP10002644.2 Isofern 2 of V-sype proton ATPase subani C 2 Image: C 2 <thimage: 2<="" c="" th=""> <thimage: 2<="" c="" th=""> I</thimage:></thimage:>					1		1			
IPP0008457.5 PROJECTS 7 2 5 7 1 5 8.5 IPP0005847.5 Isoform 1 of Rbs OTPase-activating protein 7 2 1 1 IPP003751.2 Isoform 1 of Rbs OTPase-activating protein 7 2 1			1			1				
IP100038321 Profile-rich protein 11 I Image: Control of Spectric Instance			-			~		1		-
IP100330157.1 Isofern 2 of Specim beta chan, brain 1 Image: Constraint of Constraint				2	5	7	1		8	2
IP100374033.2 Isoform 1 of Rbo GTPase-activating protein 7 2 1 1 IP100377374.3 Astrophin Dp140: soform 4 3 7 4 3 5 1 IP10037873.1 VH3 protein (Fragment) 1 1 1 1 1 1 IP10038732.1 VH3 protein (Fragment) 1		*	1					1		
IP10037337.2 Information 2 of Practice angel homolog 2 Image 1 Image 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>1</td> <td></td>						2			1	
IPP0078737.4 dystophin Dp14y, isoform 4 3 7 4 3 5 1 IP00384202, Isoform 1 of CAMP-regulated phosphoprotein 21 6 5 8 7 8 5 1 IP00384202, Isoform 1 of CAMP-regulated phosphoprotein 21 6 5 8 7 8 5 1 IP00384204, IR Returnated factor RF-F19 (Fragment) 4 4 5 4 8 5 1 IP10038495, ISOR (5, Core TST0817 1 1 1 1 1 1 1 IP1003867, IDAN IEJ28267 (6, Core TST0817 1 3 1 3 1		61					1		1	
IP100383722.1 VH3 protein (tragment) 1		6 6 6	4	2	-		2	-		2
IPP00384290.2 Isoform 1 of c-AMP-regulated phosphoprotein 21 6 5 8 7 8 5 1 IP100384270.2 Isoform 3 of c-AMP-regulated phosphoprotein 21 4 4 4 5 4 8 5 1 IP100384275.1 IcDNA FLJ2836 fis, chone TST0817 1 1 1 1 1 IP100388975.1 Chonk ArL114473 fis, chone MAMMA 1001080, highly similar to Hono sapiens SNC73 protein (SNC73) mRNA 3 1 3 1					1	4		5	10	9
IPP0038404.4 Rheumatoid factor RF-ET9 (Fragmen) 4 4 5 4 8 5 5 IP00384957.1 CDNA FLJ2836 fis, chone TST08317 1 <td< td=""><td></td><td></td><td>•</td><td></td><td>0</td><td>7</td><td></td><td>-</td><td>14</td><td>11</td></td<>			•		0	7		-	14	11
IP100384938. Peatrice uncharacterized protein DKFZp686002209 1 1 1 1 IP100384938. Peatrice uncharacterized protein 3 1 3 1 IP100384938. Constructive approximation of the intervent of									14	11
IP100389983.1 Putative uncharacterized protein DKFZp68600220 3 1 3 1 IP100385294.5 Uncharacterized protein 3 1 3 1 3 1 IP10038679.1. ODN R FLJ 1475 fis, clone MAMMA 1001080, highly similar to Homo sapiens SNC73 protein (SNC73) mRNA 5 1 2 5 7 2 8 IP100379514.2 protein 1 1			4	4	5		-	5	8	6
IPI00385294.5 Uncharacterized protein 3 1 3 1 3 1 IPI00386879.1 cDNA FLJ14473 fs. clone MADMA 10080, highly similar to protein (SNC73) mRNA 5 1 2 5 7 2 8 IPI00397514.2 Isoform 1 of Myosin-10 1 <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td>		· · · · · · · · · · · · · · · · · · ·				1			1	
IP100386879.1 CDNA FLJ 14473 fis. clone MAMMA 1001080, highly similar to Homo sapiens SNC73 protein (SNC73) mRNA 5 1 2 5 7 2 8 IP100397514.2 Isoform 2 of Peripheral-type benzodiazepine receptor-associated protein 1 1			2	1		2	3	1	1	
IP1003968/9.1 Homo sapiens SNC73 protein (SNC73) mRNA 5 1 2 5 7 2 8 IP100397514.2 Isoform 2 of Pertpheral-type benzodiazepine receptor-associated protein 1 3 1 1 IP100397526.3 Isoform 1 of Myosin-10 1	IP100385294.5		3	1		3		1		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	IPI00386879.1		5	1	2	5	7	2	8	4
IP10039761-2 protein 1 1 1 1 1 IP100397526.3 Isoform 1 of Myosin-10 1 1 1 1 1 IP100397526.3 Isoform 1 of Myosin-10 1 1 1 1 1 1 IP100397526.3 Isoform 1 of Zinc finger protein DKFZp686104196 (Fragment) 6 6 9 6 14 7 1 IP10041365.3 Isoform 2 of F-box/LRR-repeat protein 18 1 1 2 2 2 IP10041361.4 Isoform 2 of F-box/LRR-repeat protein DKFZp686C02202 (Fragment) 1 1 1 1 1 IP100423461.3 Putative uncharacterized protein DKFZp686C15213 5 5 6 8 11 3 1										
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IP100413365.3 Isoform 1 of Zinc finger protein 318 1 1 2 2 IP100413619.1 Conserved hypothetical protein 1 2 2 IP100413619.1 Conserved hypothetical protein 1 1 2 2 IP1004123461.3 Putative uncharacterized protein DKFZp686C02220 (Fragment) 1 1 1 1 IP100423462.5 Putative uncharacterized protein DKFZp686K0196 5 5 6 8 11 3 1 IP100423463.1 Putative uncharacterized protein DKFZp686K0196 5 5 6 8 11 3 1 IP100423663.1 Putative uncharacterized protein DKFZp686K0196 5 5 6 8 11 3 1 IP100432678.1 MRSs6228 1			6	-	-	6	14	7	14	11
IP100413619.1 Conserved hypothetical protein 1 2 2 IP100415044.4 Isoform 2 of F-box/LRR-repeat protein 19 1			0	0	9		14	/		1
IP100415044.4 Isoform 2 of F-box/LRR-repeat protein 19 1 1 1 1 IP100423461.3 Putative uncharacterized protein DKFZp686C02220 (Fragment) 1 1 1 1 IP100423461.3 Putative uncharacterized protein DKFZp686C03206 1 1 1 1 1 IP100423462.5 Putative uncharacterized protein DKFZp686C03196 5 5 6 8 11 3 1 IP10042367.1 Putative uncharacterized protein DKFZp686C15213 5 5 6 8 11 3 1 IP10043267.81 MRS50228 1				1				2	1	1
IP100423461.3 Putative uncharacterized protein DKFZp686C02220 (Fragment) 1				1	1	2	1	2		1
IP100423462.5 Putative uncharacterized protein DKFZp686K03196 1 3 1 1 1 3 1 1 1 3 1 1 1 1 3 1 1 1 3 1 1 1 3 1 1 1 3 1 1 1 3 1<		A A	1		1		1		1	1
IPI00423464.1 Putative uncharacterized protein DKFZp686K03196 5 5 6 8 11 3 1 IPI00426051.3 Putative uncharacterized protein DKFZp686C15213 5 5 6 8 11 3 1 IPI00431645.2 31 kDa protein 1 1 1 3 2 2 1 IPI00432678.1 MRSS6228 2 2 1 1 1 3 2 2 1 IPI00432678.1 MRSS6228 1 2 1						1	1			2
IPI00426051.3 Putative uncharacterized protein DKFZp686C15213 5 5 6 8 11 3 1 IPI00431645.2 31 kDa protein 1 1 1 1 3 2 2 IPI00432678.1 MRSS6228 2 2 2 2 2 2 IPI0044698.2 Isoform 3 of Nipped-B-like protein 1 2 1 1 1 IPI0044698.2 Isoform 2 of Patatin-like phospholipase domain-containing protein 5 1 1 1 1 1 IPI0044698.2 Isoform 2 of Patatin-like phospholipase domain-containing protein 5 1 <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td> <td>2</td>			1			1			1	2
IPI00431645.2 31 kDa protein 1 1 1 1 1 3 2 2 IPI00432678.1 MRSS6228 2 2 2 1 1 1 2 1 1 IPI0043634.4 Isoform 3 of Nipped-B-like protein 1 2 1<			5	5	6	8		3	10	5
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IPI00645207.2 Uncharacterized protein 2			-	-				1	1	

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
IPI00645320.1	Looform 2 of Data actoria litra matain 1	Frequency	Frequency	Frequency	Frequency 1	Frequency 1	Frequency	Frequency	Frequency
IP100645363.2	Isoform 3 of Beta-catenin-like protein 1 Putative uncharacterized protein DKFZp686P15220	5	2	4	5	7	5	6	6
IPI00646195.2	Isoform RCNC2A of Cyclic nucleotide-gated cation channel beta-1		-		1	,	1	0	-
IPI00647704.1	cDNA FLJ41552 fis, clone COLON2004478, highly similar to	3		2	3	6	1	10	1
	Protein Tro alpha1 H, myeloma	5		2	5	0			1
IPI00654594.3 IPI00736625.2	Isoform 2 of Striatin Uncharacterized protein C3orf43					2	1	1	
IP100736625.2 IP100745872.2	Isoform 1 of Serum albumin	3	1	3	6	4	5	11	2
	Isoform 2 of WD repeat-containing protein 52		-	1	1		1	2	
IPI00748998.1	Single-chain Fv (Fragment)	7	7	9	8	14	7	14	11
	Isoform 3 of Matrilin-4			1			1		
	Isoform 3 of Myosin-XVIIIa	7	1 6	7	1 7	2	2 7	7	8
	Complement C3 (Fragment) Putative uncharacterized protein DKFZp686M08189	3	5	5	5	4	1	5	1
IPI00784842.1	Putative uncharacterized protein DKFZp686G11190	2			2	5	2	3	1
IPI00784847.1	Isoform 1 of Intraflagellar transport protein 20 homolog			1	2	1		1	
	Putative uncharacterized protein DKFZp686L19235	4	1	2	4	4	1	6	2
	Isoform 3 of Nik-related protein kinase	4	1	3		1	1	5	7
IPI00789576.4 IPI00790648.2	KNG1 protein Protein	4	1	1		1	1	3	1
	Isoform 5 of Cytospin-B	1	2	1	1	2		3	7
	Isoform 2 of RB1-inducible coiled-coil protein 1	1				1			
	Uncharacterized protein			1	1				
IPI00794735.1	Conserved hypothetical protein	2	1		1				
IPI00798375.2	cDNA FLJ59357, highly similar to Probable ATP-dependent RNA helicase DDX5		2	1				1	
IPI00816314.1	Putative uncharacterized protein DKFZp686I15196	5	4	8	6	7	1	3	1
IPI00827532.1	Anti-folate binding protein (Fragment)			3					
IPI00827690.1	VH-3 family (VH26)D/J protein (Fragment)	1				1			
IPI00827693.1	VLC8 protein (Fragment)	2		1	1	1			
IPI00827776.1 IPI00827892.1	VL87-2 protein (Fragment) VH87-2 protein (Fragment)	3	7	9	8	2 13	7	1 13	6
IPI00828022.1	VH-3 family (VH26)D/J protein (Fragment)	1	/	2	0	15	,	15	3
	UGa8H (Fragment)	2	1	1	1	1		4	
IPI00829590.1	13 kDa protein		2		1	2	1		2
IPI00829701.3	13 kDa protein		2	3					3
	Isoform 1 of SCO-spondin 23 kDa protein			1	1			2	
	Brain type mu-glutathione S-transferase			2	1	2		2	
IPI00852758.6	Ankyrin repeat domain-containing protein 18B	2					1		
	arylsulfatase A isoform b	1				1			
	Uncharacterized protein	2	3	4	6	1	5		6
IPI00854834.2 IPI00855745.2	echinoderm microtubule-associated protein-like 4 isoform b Isoform 2 of CST complex subunit CTC1	5	2	3		1	4	1	
	hypothetical protein LOC55049 isoform 2		1			1	1		
IPI00871307.2	Uncharacterized protein			1	1				5
IPI00871687.1	Isoform 3 of Serine/threonine-protein phosphatase 2A 55 kDa				1		1		
IPI00872410.3	regulatory subunit B gamma isoform Autophagy-related protein 2 homolog B				1	2			
IPI00872410.3	cDNA FLJ78387	1	1		1	3		3	3
IPI00878282.1	23 kDa protein	1				1			-
IPI00878953.1	MRNA for apolipoprotein E	2		1	2	1	1	3	6
IPI00879368.1	Uncharacterized protein	4	4	5	1		2		3
IPI00885166.2 IPI00885216.1	polyadenylate-binding protein 4-like Isoform 3 of Cytoplasmic dynein 2 heavy chain 1	1	2			1	1	2	1
IPI00885216.1 IPI00887169.2	Putative uncharacterized protein	5	3	4	6	1	2	5	4
IPI00893851.1	Isoform 2 of Leucine-rich repeat and coiled-coil domain-containing	1				1	1	2	1
	protein 1	1					1	<u> </u>	1
IPI00896471.2	Isoform 2 of Protein SZT2					2			
IPI00902580.1	cDNA FLJ11050 fis, clone PLACE1004564, highly similar to Cleavage and polyadenylation specificity factor 100 kDa subunit	1		2	2	2			2
	cDNA FLJ60512, highly similar to Tetratricopeptide repeat								
IPI00902850.2	protein16	1				1			
IPI00909730.1	cDNA FLJ57124, highly similar to Actin-related protein 2/3 complex		1	1				1	
	subunit 1A							· ·	
IPI00909845.2	cDNA FLJ56409, highly similar to Serine/threonine-protein kinase Chk1	1		1	2				
IPI00910222.1	cDNA FLJ59775		1		1				
IPI00910373.1	cDNA FLJ52768, highly similar to TOM1-like 1 protein					2	1	1	
IPI00910507.1	cDNA FLJ59352, highly similar to Brain-specific angiogenesis	1			1	1			
	inhibitor1-associated protein 2					· ·		1	
IPI00910896.1 IPI00910934.2	cDNA FLJ56556, highly similar to Alpha-1-syntrophin Isoform 5 of Putative oxidoreductase GLYR1	1			1	1		1	
	Epididymis luminal protein 180 (Fragment)	1		ļ		1			
IPI00915820.1	Anti-folate binding protein (Fragment)	6	5	8	8	7	7	10	7
IPI00916434.1	Anti-(ED-B) scFV (Fragment)	6	5	8	7	10	7	7	2
IPI00916573.1	11 kDa protein			1		4	2	1	
	Protein PIEZO1 cDNA FLJ53292, highly similar to Homo sapiens fibronectin 1			2					
IPI00922213.2	(FN1), transcript variant 5, mRNA						2		
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PIP0090411 Parative uncharacterized protein DKR 2 0 1 </td <td></td> <td>*</td> <td>3</td> <td></td> <td></td> <td>5</td> <td>9</td> <td></td> <td>4</td> <td></td>		*	3			5	9		4	
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IPI00983475.1 Similar to Hepatitis B virus receptor binding protein 5 2 2 4 1 1 IPI00984269.2 cDNA FLJ59477, highly similar to HBS1-like protein 2 1 1 2 1 5 IPI00984982.2 48 kDa protein 1 2 1 6 5 3 3 8 6 IPI00985211.1 Similar to VH-3 family (VH26)D/J protein 2 1 6 5 3 3 8 6 IPI00985334.2 titin isoform N2-B 1 6 1 4 2 4 6 3 IPI01010386.1 C4 complement C4d region (Fragment) 1 6 1 4 2 4 6 3 IPI0101789.1 Putative uncharacterized protein DKFZp779M0222 (Fragment) 3 1	IPI00981659.1	Similar to Cold agglutinin FS-1 H-chain	5	1	5	4	1	4	3	4
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IPI00985211.1 Similar to VH-3 family (VH26)D/J protein 2 1 6 5 3 3 8 6 IPI00985334.2 titin isoform N2-B 1 <td>IPI00984269.2</td> <td>cDNA FLJ59477, highly similar to HBS1-like protein</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>5</td>	IPI00984269.2	cDNA FLJ59477, highly similar to HBS1-like protein	2	1				1		5
IPI00985334.2 itin isoform N2-B 1 1 1 1 1 IPI01010386.1 C4 complement C4d region (Fragment) 1 6 1 4 2 4 6 3 IPI01010386.1 C4 complement C4d region (Fragment) 1 6 1 4 2 4 6 3 IPI01010789.1 Putative uncharacterized protein DKFZp779M0222 (Fragment) 3 1 1 1 1 IPI01012744.1 Uncharacterized protein 1 2 4 1 2 3 IPI01014124.1 Uncharacterized protein 5 1 1 2 3 IPI01014201.1 31 kDa protein 5 1 1 2 1 <td>IPI00984982.2</td> <td>48 kDa protein</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>2</td> <td></td> <td>1</td> <td>5</td>	IPI00984982.2	48 kDa protein	1			1	2		1	5
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		* · · · · · · · · · · · · · · · · · · ·			-	1		1	1	
	IPI01015383.1	cDNA FLJ60587, highly similar to Glomulin			1	1		1		

		AAV	TA	MCTD	DM	SS	SSc	SLE	Healthy
Accession	Description	(n=7)	(n=7)	(n=9)	(n=8)	(n=14)	(n=7)	(n=14)	(n=11)
		Frequency							
IPI01015604.1	cDNA FLJ57435, highly similar to Scaffold attachment factor B2			1			1		
IPI01015781.1	Uncharacterized protein	1	1	2	1	1			
IPI01018799.1	Isoform 2 of Dystonin				1			1	
IPI01018907.1	Tospeak-10	1		5	7		1	3	
IPI01020713.1	Protein	2	1	3					1
IPI01021601.1	14 kDa protein	1				1			
IPI01021870.1	Uncharacterized protein			1			1		
IPI01022028.1	Protein	6	4	3	4		5	10	4
IPI01022318.1	Uncharacterized protein			1			1		
IPI01022408.1	Uncharacterized protein	1			1				
IPI01025129.1	12 kDa protein	2							
IPI01025973.1	Protein	1			1	1			
IPI01026239.1	Uncharacterized protein	1	1	1	1	1	3		1
IPI01026317.1	cDNA FLJ55146, highly similar to Complement C4-B							2	