

Protein names	Uniprot	Gene names	Discovery					ttest IBD vs Control p value	FDR adjusted p value	AUC	Subgroup Specific	Immunolgical
			Average Log2 L/H ratio Control	Average Log2 L/H ratio IBD	Ratio ibd/control	Significant 0.05 FDR						
Aconitate hydratase, mitochondrial	A2A274	ACO2	2.570537714	1.404944787	0.311737769	+	1.26481E-09	8.472E-08	0.92417			
CD9 antigen	A6NNI4	CD9	2.690874857	1.62514501	0.344476348	+	3.02524E-10	2.606E-08	0.95583			
Calponin-2	B4DDF4	CNN2	0.388970715	0.995038293	1.833208258	+	0.000445883	0.0044168	0.755			
6-phosphogluconate dehydrogenase, decarboxylating	B4DQJ8	PGD	-0.252090674	0.391282139	1.902888154	+	1.35886E-13	8.373E-11	0.96625			
Epithelial cell adhesion molecule	B5MCA4	EPCAM	3.405798843	2.468926837	0.39185163	+	0.002975231	0.0215657	0.80625			
2,4-dienoyl-CoA reductase, mitochondrial	B7Z6B8	DECR1	2.240008	1.557225501	0.50520929	+	0.003411719	0.023728	0.72042			
Adenosylhomocysteinase;Putative adenosylhomocysteinase 3	D7UEQ7	AHCYL2	2.14170094	1.336080036	0.446810414	+	0.000222911	0.0024884	0.84583			
CD44 antigen	E7EPC6	CD44	1.30554758	1.619074953	1.368242916		0.094110279	0.2905348	0.62625			
Lactotransferrin;Lactoferricin-H;Kaliocin-1;Lactoferronin-A;Lactoferronin-B;Lactoferronin-C	E7ER44	LTF	1.276691743	1.810737039	1.705818912		0.396468431	0.7158	0.59625		+	
Calpastatin	E7ESM9	CAST	1.476781033	1.149459479	0.720851913		0.081528203	0.2635765	0.53083			
Mucin-2	E7EUV1	MUC2	2.760394361	2.073574027	0.503173452		0.128786237	0.3581141	0.6325			
Acyl-CoA synthetase family member 2, mitochondrial	E9PF16	ACSF2	1.026815768	0.304245583	0.485502819		0.210674608	0.4921065	0.54208		+	
		DCAF5;NUC B2										
Nucleobindin-2;Nesfatin-1	E9PKG6		0.915221743	1.774483524	2.361416807	+	1.89419E-06	4.148E-05	0.95208		+	
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	J3KN00	NDUFA13	1.6388984	0.978165566	0.516472707	+	8.7398E-07	2.104E-05	0.88042			
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5	O60264	SMARCA5	-0.43067683	-0.095800555	1.397767436	+	0.003616575	0.0249277	0.68854			
UDP-glucose 6-dehydrogenase	O60701	UGDH	2.019972095	0.517026788	0.22247394	+	5.37193E-12	1.23E-09	0.98083			
Filamin-B	O75369-8	FLNB	2.07167981	1.32759716	0.475169997	+	2.40541E-10	2.18E-08	0.96125			
N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	O94760	DDAH1	1.985487052	1.065327505	0.398455464	+	4.43403E-06	8.701E-05	0.865			
Unconventional myosin-Id	O94832	MYO1D	1.442258662	0.345412038	0.333922408	+	0.001613906	0.0132598	0.62958			
Alcohol dehydrogenase 1C	P00326	ADH1C	3.444803062	2.536813679	0.40333436		0.023590067	0.1073915	0.78875			
Retinal dehydrogenase 1	P00352	ALDH1A1	-0.874832667	-1.564042867	0.50197237	+	1.21126E-10	1.323E-08	0.92042			
Alpha-2-macroglobulin	P01023	A2M	3.036029313	2.26088898	0.460639134		0.049936121	0.1885456	0.62208			
Ig kappa chain C region	P01834	IGKC	4.595902905	4.3289014	0.765671919		0.384620978	0.700779	0.51917		+	
Ig gamma-1 chain C region	P01857	IGHG1	4.890644881	4.10732186	0.456885247		0.201767691	0.4774549	0.53333		+	
ATP synthase protein 8	P03928	MT-ATP8	1.69536719	1.230508637	0.628223959	+	7.408E-05	0.0009671	0.78833			
Superoxide dismutase [Mn], mitochondrial	P04179-4	SOD2	2.467924147	3.534535587	2.905517278	+	0.004034131	0.0271973	0.73958			
Integrin beta-2;Integrin beta	P05107	ITGB2	1.028402275	1.835161266	2.240634289		0.212580347	0.4939367	0.7		+	
Lithostathine-1-alpha	P05451	REG1A	3.59843686	3.453934064	0.865452493		0.86084085	0.8598939	0.54958			
HLA class I histocompatibility antigen, A-24 alpha chain	P05534	HLA-A	2.65743164	2.314551266	0.709723108		0.38283986	0.6987735	0.50917		+	
Keratin, type I cytoskeletal 18	P05783	KRT18	0.336481814	-0.210425015	0.578737178	+	7.66127E-05	0.0009835	0.83625			
Protein disulfide-isomerase	P07237	P4HB	0.586421814	1.217275473	1.879214103	+	2.04193E-15	2.965E-12	0.97167			
Histone H1.0;Histone H1.0, N-terminally processed	P07305	H1FO	1.712466143	1.026387165	0.503546621	+	6.63183E-09	3.296E-07	0.91958			
Cytochrome b-c1 complex subunit 6, mitochondrial	P07919	UQCRC	1.55412155	0.998343741	0.573625916	+	6.47782E-05	0.0008566	0.82667			
Fumarate hydratase, mitochondrial	P07954-2	FH	1.718428914	1.275648415	0.642248165	+	0.004605623	0.0300634	0.72542			
Heat shock 70 kDa protein 1A/1B	P08107	HSPA1A	-0.56068419	-1.190164907	0.532868439	+	6.08803E-10	4.466E-08	0.91375			
Neutrophil elastase	P08246	ELANE	1.723168668	4.392458158	14.42971308	+	0.006691886	0.0401904	0.62312			
Villin-1	P09327	VIL1	2.907740571	1.714527197	0.303245256	+	2.29018E-10	2.138E-08	0.94667			
Cytochrome c oxidase subunit 6C	P09669	COX6C	2.320869048	1.472859763	0.428266641	+	6.65585E-11	8.544E-09	0.96125			
78 kDa glucose-regulated protein	P11021	HSPA5	0.652906076	1.293223987	1.897083886	+	1.0323E-11	2.12E-09	0.95833			
Glycogen phosphorylase, brain form	P11216	PYGB	1.218937348	0.704638813	0.597919868	+	0.000203123	0.0022924	0.76667			
Creatine kinase B-type	P12277	CKB	0.481385606	-1.366676189	0.15754222	+	8.20253E-11	1.011E-08	0.91875			
Annexin A3;Annexin	P12429	ANXA3	-0.553572683	0.817116577	3.93806411	+	3.39509E-09	2.051E-07	0.94542		+	
		CKMT1A;CK										
Creatine kinase U-type, mitochondrial	P12532	MT1B	3.573094	2.864332852	0.492253649		0.009281958	0.0532546	0.75333			
Plastin-3	P13797	PLS3	-1.447676348	-1.94208503	0.609931464		0.025792643	0.1155046	0.64875			
Electron transfer flavoprotein subunit alpha, mitochondrial	P13804	ETFA	0.867572062	0.197485601	0.511664337	+	3.04472E-10	2.606E-08	0.92792			
Endoplasmic	P14625	HSP90B1	1.204950952	1.853136533	1.912068386	+	1.24524E-10	1.323E-08	0.94167		+	
Junction plakoglobin	P14923	JUP	2.393550833	1.588661941	0.447137604	+	0.000241936	0.0026813	0.83708			
Cytochrome b-c1 complex subunit 7	P14927	UQCRCB	1.72414497	0.990594253	0.480200902	+	0.000309798	0.0032484	0.86938			
Carbonyl reductase [NADPH] 1	P16152	CBR1	2.42399975	1.84137733	0.558432001	+	1.54838E-05	0.0002498	0.82792			
Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	P21912	SDHB	1.909098238	0.86289577	0.351269175	+	6.38489E-10	4.575E-08	0.93375			

NAD-dependent malic enzyme, mitochondrial	P23368	ME2	1.83312467	0.97554671	0.42418824	+	1.87818E-06	4.148E-05	0.86875		
Tryptophan--tRNA ligase, cytoplasmic;T1-TrpRS;T2-TrpRS	P23381	WARS	1.7134092	3.268459067	4.735322654	+	2.65482E-12	1.022E-09	0.95458		
Acetyl-CoA acetyltransferase, mitochondrial	P24752	ACAT1	1.4821644	0.678429527	0.447653907	+	1.60516E-12	7.065E-10	0.92125		
Protein S100-P	P25815	S100P	-2.92594175	-0.760023972	8.722603658	+	5.03922E-12	1.23E-09	0.96708		
Calreticulin	P27797	CALR	0.713930262	1.367061953	1.921549115	+	7.72455E-15	5.95E-12	0.97333		+
Proteasome subunit beta type-6	P28072	PSMB6	-0.791586019	-1.642730595	0.426926003	+	6.27087E-06	0.0001164	0.81083		+
ATP-binding cassette sub-family D member 3	P28288	ABCD3	0.800109694	0.154982647	0.524595989	+	1.88729E-06	4.148E-05	0.78		
Cytosol aminopeptidase	P28838-2	LAP3	1.01181689	1.883814153	2.391682906	+	5.42907E-09	2.835E-07	0.8825		
Phosphatidylethanolamine-binding protein 1;Hippocampal cholinergic neurostimulating peptide	P30086	PEBP1	0.920429452	0.2201174	0.496430368	+	2.74794E-11	4.233E-09	0.96417		
Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	P31040	SDHA	1.715000143	0.869140716	0.429188344	+	5.36169E-11	7.182E-09	0.94625		
Protein S100-A11;Protein S100-A11, N-terminally processed	P31949	S100A11	1.35212052	2.08331	2.077550343	+	1.5439E-07	4.636E-06	0.88583		
Basigin	P35613-2	BSG	0.910078943	-0.236866384	0.31760547	+	2.44249E-15	2.965E-12	0.96708		+
Estradiol 17-beta-dehydrogenase 2	P37059	HSD17B2	2.604948247	0.157431	0.086508098		0.088142916	0.2787507	0.58396	+	
Electron transfer flavoprotein subunit beta	P38117	ETFB	0.885648781	0.257392545	0.533521326	+	1.36908E-11	2.481E-09	0.92833		
Chloride anion exchanger	P40879	SLC26A3	2.599867533	0.48554245	0.120714734	+	0.001252887	0.0107226	0.94146	+	
Myeloid cell nuclear differentiation antigen	P41218	MNDA	-0.79476818	0.82508669	5.052357017		0.052908917	0.1968563	0.7575	+	+
Leucine-rich PPR motif-containing protein, mitochondrial	P42704	LRPPRC	0.746692695	-0.043693415	0.453669595	+	3.01739E-11	4.402E-09	0.97708		
3-ketoacyl-CoA thiolase, mitochondrial	P42765	ACAA2	3.15515696	2.43730482	0.487798855		0.009985777	0.0563483	0.73417		
Nicotinamide phosphoribosyltransferase	P43490	NAMPT;NA MPTL	1.422982015	2.378392833	2.599738384	+	5.5869E-12	1.23E-09	0.98792		
Protein ERGIC-53	P49257	LMAN1	0.568826571	1.413402493	2.326990779	+	1.49128E-10	1.518E-08	0.97042		
Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	P49748	ACADVL	2.13845719	1.69700266	0.643100332	+	0.002234555	0.0169992	0.86021		
Serpin H1	P50454	SERPINH1	-0.415220353	0.317946462	2.08166242	+	2.03104E-07	6.017E-06	0.89375		
Trifunctional enzyme subunit beta, mitochondrial;3-ketoacyl-CoA thiolase	P55084	HADHB	1.957892319	1.427219763	0.588209233	+	8.90816E-07	2.128E-05	0.88167		
Mesencephalic astrocyte-derived neurotrophic factor	P55145	MANF	1.117722385	2.1018127	2.675377027	+	1.00368E-10	1.173E-08	0.95452		
Galectin-4;Galectin	P56470	LGALS4	4.432913476	2.946310907	0.226139646	+	0.001865212	0.0150045	0.78583		
Beta-2-microglobulin;Beta-2-microglobulin form pl 5.3	P61769	B2M	4.200670429	4.639626367	1.551086942		0.071567132	0.2431625	0.67458		+
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	P63218	GNL5	-0.307080095	0.13874073	1.561771611	+	0.003167667	0.0225395	0.80583		
Vigilin	Q00341	HDLBP	0.41845065	1.084213087	1.945973638	+	1.52696E-10	1.518E-08	0.91875		
Fatty acid-binding protein, epidermal	Q01469	FABP5	1.486658857	0.35912244	0.323830057	+	2.88658E-15	2.965E-12	0.98875		
Transgelin	Q01995	TAGLN	3.24510245	2.025499052	0.295347279	+	0.007563875	0.0447299	0.70375		
Proteasome activator complex subunit 1	Q06323	PSME1	1.94315573	2.566905973	1.865912563	+	0.000447275	0.0044168	0.79417		+
Cytoskeleton-associated protein 4	Q07065	CKAP4	0.112868104	0.707096783	1.811633056	+	1.78534E-11	3.056E-09	0.95875		
Vesicular integral-membrane protein VIP36	Q12907	LMAN2	1.51254443	2.058359533	1.726014689	+	4.53721E-05	0.0006461	0.85875		
Peroxioredoxin-4	Q13162	PRDX4	-0.810515935	0.008916116	2.269210676	+	1.18938E-07	3.74E-06	0.92583		
Selenium-binding protein 1	Q13228-4	SELENBP1	3.379898324	1.945691604	0.238304331	+	0.00014645	0.0017354	0.72167		
Four and a half LIM domains protein 1	Q13642-1	FHL1	1.954987286	1.161058857	0.452065396	+	8.69029E-06	0.0001513	0.86375		
Plastin-1	Q14651	PLS1	2.35893444	1.72037508	0.52805261		0.082439	0.26513	0.59792		
Major vault protein	Q14764	MVP	2.112553967	1.708059701	0.667314209		0.296618883	0.6056248	0.54667		
Inorganic pyrophosphatase	Q15181	PPA1	-0.129341148	0.468427867	1.818058211	+	3.14346E-11	4.402E-09	0.97542		
Zyxin	Q15942	ZYX	0.735845932	1.25201609	1.675598069	+	0.000165454	0.0019457	0.79583		
Gamma-interferon-inducible protein 16	Q16666-3	IFI16	1.450669025	1.3234362	0.88052864		0.807340673	0.8598939	0.58688	+	
Thiosulfate sulfurtransferase	Q16762	TST	3.92543819	2.484794759	0.236775361	+	2.9835E-08	1.094E-06	0.86958		
Polymerase I and transcript release factor	Q6NZI2	PTRF	2.55909665	1.70451974	0.425463162	+	6.38525E-05	0.000848	0.78292		
Thioredoxin domain-containing protein 5	Q86UY0	TXNDC5	2.277128238	3.1334863	2.354569862	+	5.10727E-09	2.713E-07	0.9275		
Cell surface A33 antigen	Q99795	GPA33	2.695012929	2.219578923	0.621615213		0.18114987	0.4454863	0.6575		+
Protein NipSnap homolog 1	Q9BPW8	NIPSNAP1	-0.216223547	-0.862284097	0.524106406	+	5.18319E-12	1.23E-09	0.94292		
Transmembrane emp24 domain-containing protein 9	Q9BVK6	TMED9	0.929013274	1.45272693	1.688285735	+	0.000129074	0.001547	0.90917		
Normal mucosa of esophagus-specific gene 1 protein	Q9C002	NMES1;C15 orf48	2.728755684	1.731369056	0.368842104		0.02596998	0.1157938	0.82104	+	
SRA stem-loop-interacting RNA-binding protein, mitochondrial	Q9GZT3-2	SLIRP	0.88332976	0.060722202	0.439284699	+	2.32769E-11	3.775E-09	0.97375		
Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial	Q9P2R7-2	SUCLA2	1.151862181	0.570535385	0.559155988	+	8.26936E-06	0.0001456	0.7875		
7-dehydrocholesterol reductase	Q9UBM7	DHCR7	-1.452937862	-1.717782187	0.767325394		0.275315979	0.5780045	0.55188		
Cathepsin Z	Q9UBR2	CTSZ	2.78740019	2.238636071	0.577663292	+	5.45672E-05	0.0007452	0.79917		
Deleted in malignant brain tumors 1 protein	Q9UGM3-5	DMBT1	2.802335	3.462488826	1.935089979		0.131848775	0.3646554	0.72875		+

Proteasome activator complex subunit 2	Q9UL46	PSME2	2.0514896	2.747714867	2.006165657	+	4.57424E-08	1.639E-06	0.84042		+
Phosphoserine aminotransferase	Q9Y617	PSAT1	-2.619195214	-2.796671817	0.837380591		0.619037916	0.8598939	0.665		
Carboxypeptidase;Lysosomal protective protein;Lysosomal protective protein 32 kDa chain;Lysosomal protective protein 20 kDa chain	X6R5C5	CTSA	1.769463963	1.236780357	0.587027503	+	0.001952924	0.0153886	0.82083		