

Table S2. Upregulated proteins in AR patients and controls subjects

No.	Protein_ID	Description	Protein Coverage	Unique peptides	Swissprot Accession	Tremble Accession
1	sp P35908 K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal	0.228	9	sp P35908 K22E_HUMAN	H2RBA1
2	sp P02741 CRP_HUMAN	C-reactive protein	0.433	9	sp P02741 CRP_HUMAN	H2Q0D1
3	sp Q14520 HABP2_HUMAN	Hyaluronan-binding protein 2	0.196	10	sp Q14520 HABP2_HUMAN	H2Q2L0
4	sp P27918 PROP_HUMAN	Properdin	0.254	8	sp P27918 PROP_HUMAN	G3R040
5	sp Q7L523 RRAGA_HUMAN	Ras-related GTP-binding protein A	0.019	1	sp Q63486 RRAGA_RAT	H0VW32
6	tr Q53G71 Q53G71_HUMAN	Calreticulin variant (Fragment)	0.352	10	sp Q2HWU3 CALR_MACFU	Q53G71
7	sp P10645 CMGA_HUMAN	Chromogranin-A	0.094	1	sp P10645 CMGA_HUMAN	H2Q8T7
8	tr Q1HP67 Q1HP67_HUMAN	Lipoprotein, Lp(A)	0.062	10	sp P08519 APOA_HUMAN	Q1HP67
9	tr B4DUV1 B4DUV1_HUMAN	Fibulin-1	0.401	7	sp Q8MJJ9 FBLN1_CHLAE	B4DUV1
10	tr K7ER74 K7ER74_HUMAN	Protein APOC4-APOC2	0.556	5	sp P02655 APOC2_HUMAN	H2R605
11	sp P12259 FA5_HUMAN	Coagulation factor V	0.259	46	sp P12259 FA5_HUMAN	G1RYA9
12	sp P08311 CATG_HUMAN	Cathepsin G	0.267	6	sp P08311 CATG_HUMAN	H2Q839
13	sp P04004 VTNC_HUMAN	Vitronectin	0.575	16	sp P04004 VTNC_HUMAN	D9ZGG2
14	tr F5H6X6 F5H6X6_HUMAN	Neutral alpha-glucosidase AB	0.14	9	sp Q14697 GANAB_HUMAN	B4DJ30
15	sp P13645 K1C10_HUMAN	Keratin, type I cytoskeletal 10	0.356	12	sp P13645 K1C10_HUMAN	H2QCX3
16	sp P02790 HEMO_HUMAN	Hemopexin	0.416	15	sp P02790 HEMO_HUMAN	H2Q321
17	sp P69905 HBA_HUMAN	Alpha-2 globin chain	0.676	7	sp P69907 HBA_PANTR	Q5R9M5
18	sp Q12794 HYAL1_HUMAN	Hyaluronidase	0.264	7	sp Q12794 HYAL1_HUMAN	B3KUI5
19	sp P20742 PZP_HUMAN	Pregnancy zone protein	0.298	25	sp P20742 PZP_HUMAN	B2R950
20	tr A0A0C4DH43 A0A0C4DH43_HUMAN	Immunoglobulin heavy variable 2-70D	0.361	1	sp P04438 HV208_HUMAN	H9KXZ1
21	tr H6VRG3 H6VRG3_HUMAN	Keratin 1	0.439	1	sp P04264 K2C1_HUMAN	H6VRG0
22	sp P03950 ANGI_HUMAN	Ribonuclease A A1	0.449	6	sp P03950 ANGI_HUMAN	G3QR85
23	sp P00450 CERU_HUMAN	CP protein (EC=1.16.3.1)	0.497	32	sp P00450 CERU_HUMAN	A5PL27
24	tr D6RF35 D6RF35_HUMAN	Vitamin D-binding protein	0.655	2	sp P02774 VTDB_HUMAN	D6RF35
25	sp P02675 FIBB_HUMAN	Fibrinogen beta chain	0.672	22	sp P02675 FIBB_HUMAN	Q32Q65
26	tr B4E380 B4E380_HUMAN	Histone H3	0.115	2	sp Q6P823 H33_XENTR	B4E380
27	sp P14618 KPYM_HUMAN	Pyruvate kinase	0.469	4	sp P14618 KPYM_HUMAN	H2Q9R1

28	tr B2RDW0 B2RDW0_HUMAN	cDNA, FLJ96792, highly similar to Homo sapiens calmodulin 2 (phosphorylase kinase, delta) (CALM2), mRNA	0.53	5	sp P62155 CALM_XENLA	B2RDW0
29	sp P00734 THRB_HUMAN	Prothrombin	0.932	36	sp P00734 THRB_HUMAN	H2Q3I2
30	tr Q5NV62 Q5NV62_HUMAN	V3-4 protein (Fragment)	0.182	1	sp P04211 LV001_HUMAN	Q5NV62
31	sp P01008 ANT3_HUMAN	Antithrombin-III	0.894	23	sp P01008 ANT3_HUMAN	H2Q0N0
32	sp P02656 APOC3_HUMAN	Apolipoprotein C-III	0.999	9	sp P02656 APOC3_HUMAN	A3KPE2
33	sp P00451 FA8_HUMAN	Coagulation factor VIII	0.103	13	sp P00451 FA8_HUMAN	H2R1R6
34	sp Q96IY4 CBPB2_HUMAN	Carboxypeptidase B2	0.258	11	sp Q96IY4 CBPB2_HUMAN	G3QHZ0
35	sp P61626 LYSC_HUMAN	C-type lysozyme	0.52	3	sp P61626 LYSC_PANTR	B2R4C5
36	tr Q8WVW5 Q8WVW5_HUMAN	Putative uncharacterized protein (Fragment)	0.658	5	sp P53505 ACT5_XENLA	Q8WVW5
37	sp P62805 H4_HUMAN	Histone H4	0.699	7	sp Q28DR4 H4_XENTR	G7YVN2
38	sp Q15113 PCOC1_HUMAN	Procollagen C-endopeptidase enhancer 1	0.414	12	sp Q15113 PCOC1_HUMAN	A4D2D2
39	sp P34096 RNAS4_HUMAN	Ribonuclease 4 (EC=3.1.27.-)	0.551	6	sp P34096 RNAS4_HUMAN	Q53XB4
40	tr B0YIW1 B0YIW1_HUMAN	Apolipoprotein A-V variant 3	0.377	11	sp Q6Q788 APOA5_HUMAN	B0YIW1
41	tr B2R773 B2R773_HUMAN	cDNA, FLJ93312, highly similar to Homo sapiens adipose most abundant gene transcript 1 (APM1), mRNA	0.193	3	sp Q15848 ADIPO_HUMAN	B2R773
42	sp P68871 HBB_HUMAN	Hemoglobin, beta	0.844	2	sp P68873 HBB_PANTR	D9YZU5
43	tr G8JLA2 G8JLA2_HUMAN	Myosin light polypeptide 6	0.336	5	sp Q64119 MYL6_RAT	G8JLA2
44	sp P35527 K1C9_HUMAN	Keratin, type I cytoskeletal 9	0.31	14	sp P35527 K1C9_HUMAN	H2QCZ6
45	sp O00391 QSOX1_HUMAN	Sulfhydryl oxidase 1	0.467	28	sp O00391 QSOX1_HUMAN	H2Q0P8
46	tr B2R9V7 B2R9V7_HUMAN	Superoxide dismutase [Cu-Zn]	0.171	4	sp P08294 SODE_HUMAN	B2R9V7
47	tr F2RM37 F2RM37_HUMAN	Coagulation factor IX	0.321	12	sp P00740 FA9_HUMAN	F2RM37
48	sp P08670 VIME_HUMAN	Epididymis luminal protein 113	0.273	8	sp P08670 VIME_HUMAN	G2HJ38
49	tr Q6N095 Q6N095_HUMAN	Uncharacterized protein DKFZp686K03196	0.377	1	sp P01857 IGHG1_HUMAN	Q6N095
50	sp P55056 APOC4_HUMAN	Apolipoprotein C-IV	0.528	5	sp P55056 APOC4_HUMAN	A5YAK2
51	sp P02649 APOE_HUMAN	Apolipoprotein E	1	9	sp P02649 APOE_HUMAN	H2NZ64
52	sp P13798 ACPH_HUMAN	N-acylaminoacyl-peptide hydrolase, isoform CRA_b	0.102	7	sp P13798 ACPH_HUMAN	H2QMM0
53	sp P23142 FBLN1_HUMAN	Fibulin-1	0.317	7	sp P23142 FBLN1_HUMAN	G1RT74
54	tr B3KRF9 B3KRF9_HUMAN	cDNA FLJ34156 fis, clone FCBBF3013266, highly similar to	0.312	7	sp Q8WUA8 TSK_HUMAN	B3KRF9

		Tsukushi (Leucine-richrepeat-containing protein 54)					
55	tr Q8NG19 Q8NG19_HUMAN	Multi-functional protein MFP	0.337	7	sp P39060 COIA1_HUMAN	Q8NG19	
56	sp Q86UD1 OAF_HUMAN	Out at first protein homolog	0.311	6	sp Q86UD1 OAF_HUMAN	H2Q4Z1	
57	tr C9JEU5 C9JEU5_HUMAN	Fibrinogen gamma chain	0.315	2	sp P02679 FIBG_HUMAN	C9JEU5	
58	sp P20160 CAP7_HUMAN	Azurocidin	0.223	5	sp P20160 CAP7_HUMAN	H2QET5	
59	sp P55072 TERA_HUMAN	Epididymis luminal protein 220	0.337	6	sp P46462 TERA_RAT	H9EPW4	
60	tr B2RA39 B2RA39_HUMAN	cDNA, FLJ94686, highly similar to Homo sapiens complement factor H-related 5 (CFHL5), mRNA	0.176	9	sp Q9BXR6 FHR5_HUMAN	B2RA39	
61	tr A0A075B785 A0A075B785_HUMAN	LisH domain and HEAT repeat-containing protein KIAA1468	0.012	1	sp Q9P260 K1468_HUMAN	H2NWX9	
62	sp P02671 FIBA_HUMAN	Fibrinogen alpha chain	0.307	15	sp P02671 FIBA_HUMAN	G3RWD8	
63	sp P04406 G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase	0.57	14	sp P04406 G3P_HUMAN	H2Q5A6	
64	sp P11586 C1TC_HUMAN	C-1-tetrahydrofolate synthase, cytoplasmic	0.061	5	sp P11586 C1TC_HUMAN	G3V2B8	
65	sp Q02818 NUCB1_HUMAN	Nucleobindin-1	0.254	9	sp Q02818 NUCB1_HUMAN	Q53GX6	
66	sp P05164 PERM_HUMAN	Myeloperoxidase	0.64	31	sp P05164 PERM_HUMAN	H2QDI9	
67	tr B3KQ20 B3KQ20_HUMAN	cDNA FLJ32635 fis, clone SYNOV2000178, highly similar to Proteoglycan-4	0.346	13	sp Q92954 PRG4_HUMAN	E7EQ48	
68	tr A0A024R7F1 A0A024R7F1_HUMAN	Protein kinase C substrate 80K-H, isoform CRA_a	0.14	6	sp P14314 GLU2B_HUMAN	E7EQZ9	
69	tr H9KV75 H9KV75_HUMAN	Alpha-actinin-1	0.265	9	sp P12814 ACTN1_HUMAN	H9KV75	
70	tr B4DWH0 B4DWH0_HUMAN	cDNA FLJ55670, highly similar to EGF-containing fibulin-like extracellularmatrix protein 1	0.429	10	sp Q12805 FBLN3_HUMAN	B4DWH0	
71	sp Q13103 SPP24_HUMAN	Secreted phosphoprotein 24	0.322	6	sp Q13103 SPP24_HUMAN	G3QUX2	
72	sp Q9UBX5 FBLN5_HUMAN	Fibulin 5, isoform CRA_b	0.141	6	sp Q9UBX5 FBLN5_HUMAN	H2NM18	

cDNA: complementary DNA; EGF, epidermal growth factor; GTP, guanosine triphosphate; mRNA, messenger RNA; APOC, apolipoprotein C; CP, ceruloplasmin