

**S3 Table.** Outlier gene list**1) Lung cancer**

Gene	Outlier types	Protein class from Protein Atlas database	CCLE		TCGA		DEGs analysis			
			OL≥7, mZ≥10		OL≥7, mZ≥10		p-value <0.05, FDR <0.01, FC > 2			
			No.	Frequency	No.	Frequency	DEGs	logFC	p_Value	FDR(False Discovery Rate)
<i>NRK</i>	1. Kinase, Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	10	0.15	21	0.04	Upregulated DEGs	4.03	3.62E-23	2.28E-22
<i>GUCY2C</i>	1. Kinase, Predicted membrane proteins	Disease related genes, Enzymes, FDA approved drug targets, Predicted membrane proteins	3	0.04	27	0.05	Upregulated DEGs	4.33	2.01E-16	7.88E-16
<i>RET</i>	1. Kinase, Predicted membrane proteins	Cancer-related genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.06	59	0.11	Upregulated DEGs	3.34	6.71E-15	2.35E-14
<i>ERN2</i>	1. Kinase, Predicted membrane proteins	Enzymes, Predicted membrane proteins, Predicted secreted proteins	2	0.03	9	0.02	Upregulated DEGs	3.22	2.41E-12	7.02E-12
<i>EPHB1</i>	1. Kinase, Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	20	0.04	Upregulated DEGs	1.97	8.13E-12	2.29E-11
<i>EPHA7</i>	1. Kinase, Predicted membrane proteins	Cancer-related genes, Enzymes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.04	36	0.07	Upregulated DEGs	1.46	0.0000942	0.00015298
<i>EPHB6</i>	1. Kinase, Predicted	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	14	0.03	Non-differentially	-0.73	0.000526702	0.000799203

	membrane proteins						expressed genes			
<i>ACVR1C</i>	1. Kinase, Predicted membrane proteins	Enzymes, Predicted membrane proteins, Predicted secreted proteins	2	0.03	10	0.02	Non-differentially expressed genes	0.72	0.000565916	0.000857132
<i>SGK2</i>	2. Kinase	Enzymes, Predicted intracellular proteins	7	0.10	8	0.02	Upregulated DEGs	3.44	3.66E-26	2.79E-25
<i>CDK4</i>	2. Kinase	Cancer-related genes, Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	8	0.02	Upregulated DEGs	1.19	4.2E-23	2.63E-22
<i>MYO3B</i>	2. Kinase	Enzymes, Predicted intracellular proteins	4	0.06	25	0.05	Upregulated DEGs	4.19	9.7E-23	5.92E-22
<i>BRDT</i>	2. Kinase	Predicted intracellular proteins	6	0.09	29	0.06	Upregulated DEGs	7.10	8.15E-16	3.05E-15
<i>STK32B</i>	2. Kinase	Enzymes, Predicted intracellular proteins	4	0.06	24	0.05	Upregulated DEGs	1.27	0.00000354	0.00000646
<i>WNK4</i>	2. Kinase	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	19	0.04	Upregulated DEGs	1.18	0.000164793	0.00026246
<i>KSR2</i>	2. Kinase	Enzymes, Plasma proteins, Predicted intracellular proteins, RAS pathway related proteins	3	0.04	6	0.01	Non-differentially expressed genes	0.68	0.002282875	0.003273527
<i>CDKL2</i>	2. Kinase	Enzymes, Predicted intracellular proteins	3	0.04	6	0.01	Non-differentially expressed genes	-0.16	0.419899003	0.454837141
<i>KISS1R</i>	3. Predicted membrane proteins	Disease related genes, G-protein coupled receptors, Potential drug targets, Predicted membrane proteins, Transporters	7	0.10	15	0.03	Upregulated DEGs	6.58	1.37E-41	2.59E-40
<i>GCNT3</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	2	0.03	7	0.01	Upregulated DEGs	5.41	1.96E-41	3.66E-40
<i>ATP10B</i>	3. Predicted	Enzymes, Predicted intracellular	3	0.04	17	0.03	Upregulated	5.83	3.14E-41	5.82E-40

	membrane proteins	proteins, Predicted membrane proteins					DEGs			
<i>TRPM8</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins, Voltage-gated ion channels	3	0.04	28	0.05	Upregulated DEGs	7.52	4.99E-33	5.8E-32
<i>TNFSF11</i>	3. Predicted membrane proteins	Cancer-related genes, CD markers, Disease related genes, FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.06	13	0.03	Upregulated DEGs	4.33	3.16E-30	3.13E-29
<i>LYPD3</i>	3. Predicted membrane proteins	Predicted membrane proteins	5	0.07	20	0.04	Upregulated DEGs	3.68	1.71E-28	1.53E-27
<i>CA9</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins, Predicted secreted proteins	10	0.15	16	0.03	Upregulated DEGs	5.95	4.86E-28	4.19E-27
<i>DUSP13</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	5	0.07	33	0.06	Upregulated DEGs	6.78	7.99E-28	6.82E-27
<i>DLL3</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.04	37	0.07	Upregulated DEGs	7.67	1.62E-27	1.35E-26
<i>ECEL1</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins	3	0.04	34	0.07	Upregulated DEGs	6.01	1.53E-26	1.19E-25
<i>RNFT2</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	8	0.02	Upregulated DEGs	2.45	1.9E-26	1.47E-25
<i>IL20RB</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	43	0.08	Upregulated DEGs	4.25	7.1E-25	4.98E-24
<i>GJB6</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	9	0.13	31	0.06	Upregulated DEGs	5.43	1.36E-24	9.35E-24

<i>APCDD1L</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	5	0.07	10	0.02	Upregulated DEGs	4.15	1.52E-24	1.04E-23
<i>NEGR1</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	7	0.10	6	0.01	Downregulated DEGs	-1.64	1.73E-24	1.18E-23
<i>ABCA4</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Potential drug targets, Predicted membrane proteins, Transporters	6	0.09	14	0.03	Upregulated DEGs	4.44	5.52E-24	3.66E-23
<i>CDH17</i>	3. Predicted membrane proteins	Cancer-related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	12	0.18	63	0.12	Upregulated DEGs	5.99	1.67E-23	1.07E-22
<i>ALDH3B2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	7	0.10	11	0.02	Upregulated DEGs	2.79	2.41E-23	1.53E-22
<i>MUC13</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	11	0.16	26	0.05	Upregulated DEGs	6.18	4.14E-23	2.59E-22
<i>RNF183</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	6	0.01	Upregulated DEGs	4.30	5.72E-23	3.55E-22
<i>COL17A1</i>	3. Predicted membrane proteins	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	6	0.09	19	0.04	Upregulated DEGs	4.40	8.59E-23	5.26E-22
<i>CATSPERB</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transporters	7	0.10	12	0.02	Upregulated DEGs	3.60	2.28E-22	1.36E-21
<i>C9orf84</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	7	0.10	22	0.04	Upregulated DEGs	3.81	9.1E-22	5.17E-21
<i>FUT9</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.10	21	0.04	Upregulated DEGs	6.50	1.01E-21	5.72E-21
<i>CEACAM7</i>	3. Predicted membrane	Predicted membrane proteins, Predicted secreted proteins	2	0.03	34	0.07	Upregulated DEGs	5.78	1.78E-21	9.96E-21

	proteins									
<i>NPC1L1</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins	2	0.03	56	0.11	Upregulated DEGs	4.94	3.68E-21	2.01E-20
<i>LY6D</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	7	0.10	34	0.07	Upregulated DEGs	6.03	8.2E-21	4.36E-20
<i>SLC15A1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.06	19	0.04	Upregulated DEGs	4.60	3.05E-20	1.56E-19
<i>SLCO1B3</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	49	0.09	Upregulated DEGs	7.48	3.13E-20	1.6E-19
<i>ABCB4</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins, Transporters	2	0.03	19	0.04	Upregulated DEGs	2.55	8.28E-20	4.1E-19
<i>DIO2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	6	0.09	7	0.01	Upregulated DEGs	2.39	1.46E-19	7.06E-19
<i>JAM3</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	11	0.16	7	0.01	Downregulated DEGs	-1.09	2.18E-19	1.04E-18
<i>TSPAN7</i>	3. Predicted membrane proteins	CD markers, Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	8	0.12	9	0.02	Downregulated DEGs	-1.66	2.36E-19	1.13E-18
<i>CLDN6</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	62	0.12	Upregulated DEGs	6.17	2.62E-19	1.25E-18
<i>SUSD2</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	8	0.02	Downregulated DEGs	-1.87	9.25E-19	4.25E-18
<i>SLC5A3</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.06	7	0.01	Upregulated DEGs	1.30	3.04E-18	1.35E-17

<i>TM4SF4</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	10	0.15	52	0.10	Upregulated DEGs	6.17	4.5E-18	1.98E-17
<i>PTPRN</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	25	0.05	Upregulated DEGs	5.09	3.51E-17	1.46E-16
<i>KCNE4</i>	3. Predicted membrane proteins	Predicted membrane proteins	9	0.13	20	0.04	Upregulated DEGs	2.43	1.22E-16	4.86E-16
<i>AMN</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	10	0.02	Upregulated DEGs	2.63	3.21E-16	1.24E-15
<i>PLD5</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	6	0.01	Upregulated DEGs	3.27	8.19E-16	3.06E-15
<i>SLC39A5</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins, Transporters	3	0.04	60	0.12	Upregulated DEGs	5.30	5.65E-15	1.99E-14
<i>UGT2B15</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	3	0.04	52	0.10	Upregulated DEGs	4.99	5.8E-15	2.04E-14
<i>ATPIA3</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted membrane proteins, Transporters	3	0.04	22	0.04	Upregulated DEGs	2.63	1.13E-14	3.89E-14
<i>VSIG10L</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	17	0.03	Upregulated DEGs	2.12	1.2E-14	4.15E-14
<i>CHRNA9</i>	3. Predicted membrane proteins	Predicted membrane proteins	9	0.13	69	0.13	Upregulated DEGs	5.26	2.23E-14	7.55E-14
<i>VTCN1</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	7	0.10	19	0.04	Upregulated DEGs	2.95	4.41E-14	1.46E-13
<i>VSIG1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	6	0.09	42	0.08	Upregulated DEGs	3.64	6.58E-14	2.15E-13
<i>SLC1A7</i>	3. Predicted membrane	Predicted membrane proteins, Transporters	3	0.04	37	0.07	Upregulated DEGs	3.40	7.95E-14	2.58E-13

	proteins									
<i>NTSR1</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	3	0.04	42	0.08	Upregulated DEGs	4.85	8.06E-14	2.61E-13
<i>GABRA3</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins	2	0.03	43	0.08	Upregulated DEGs	6.27	8.27E-14	2.68E-13
<i>JPH3</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	4	0.06	50	0.10	Upregulated DEGs	3.11	9.37E-14	3.03E-13
<i>ELOVL2</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	2	0.03	16	0.03	Upregulated DEGs	1.98	2.57E-13	8.04E-13
<i>UGT1A6</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	10	0.15	70	0.14	Upregulated DEGs	4.70	3.66E-13	1.13E-12
<i>CNTNAP2</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	7	0.10	20	0.04	Upregulated DEGs	3.11	4.73E-13	1.45E-12
<i>C11orf41</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	24	0.05	Upregulated DEGs	2.29	5.84E-13	1.77E-12
<i>AQP1</i>	3. Predicted membrane proteins	Blood group antigen proteins, Predicted membrane proteins, Transporters	4	0.06	9	0.02	Downregulated DEGs	-1.38	3.85E-12	1.11E-11
<i>ABCC9</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	3	0.04	6	0.01	Downregulated DEGs	-1.01	4.1E-12	1.18E-11
<i>TMEM198</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	8	0.02	Upregulated DEGs	1.16	4.61E-12	1.32E-11
<i>CHODL</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	8	0.02	Upregulated DEGs	2.14	4.74E-12	1.36E-11
<i>CLDN2</i>	3. Predicted membrane proteins	Predicted membrane proteins	9	0.13	42	0.08	Upregulated DEGs	3.28	5.1E-12	1.45E-11

<i>DPP10</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins	6	0.09	12	0.02	Upregulated DEGs	3.00	6.19E-12	1.76E-11
<i>IL12RB2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.04	16	0.03	Upregulated DEGs	1.92	9.29E-12	2.6E-11
<i>GABRP</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Predicted secreted proteins	3	0.04	39	0.08	Upregulated DEGs	3.42	1.88E-11	5.15E-11
<i>ATP8B3</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	5	0.07	16	0.03	Upregulated DEGs	1.67	1.88E-11	5.17E-11
<i>DSG3</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	6	0.09	44	0.09	Upregulated DEGs	5.27	2.04E-11	5.58E-11
<i>ATP6V0A4</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	6	0.09	7	0.01	Upregulated DEGs	2.44	3.66E-11	9.83E-11
<i>ACE2</i>	3. Predicted membrane proteins	Enzymes, FDA approved drug targets, Predicted membrane proteins	2	0.03	12	0.02	Upregulated DEGs	1.96	4.65E-11	1.24E-10
<i>HEPACAM2</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	58	0.11	Upregulated DEGs	4.25	6.5E-11	1.71E-10
<i>SCN3A</i>	3. Predicted membrane proteins	FDA approved drug targets, Plasma proteins, Predicted membrane proteins, Voltage-gated ion channels	5	0.07	43	0.08	Upregulated DEGs	3.02	1.22E-10	3.14E-10
<i>GABBR2</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins, Transporters	5	0.07	30	0.06	Upregulated DEGs	2.56	1.53E-10	3.93E-10
<i>TSPAN8</i>	3. Predicted membrane proteins	Cancer-related genes, Predicted membrane proteins	3	0.04	13	0.03	Upregulated DEGs	2.21	2.78E-10	7E-10
<i>JAKMIP1</i>	3. Predicted membrane	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	6	0.01	Upregulated DEGs	1.49	3.98E-10	9.93E-10

	proteins									
<i>SV2A</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins	2	0.03	8	0.02	Upregulated DEGs	1.53	4.07E-10	1.01E-09
<i>GJB5</i>	3. Predicted membrane proteins	Cancer-related genes, Predicted membrane proteins	8	0.12	12	0.02	Upregulated DEGs	2.49	6.2E-10	1.52E-09
<i>SLC38A4</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	27	0.05	Upregulated DEGs	2.12	7.25E-10	1.77E-09
<i>CNIH3</i>	3. Predicted membrane proteins	Predicted membrane proteins	6	0.09	8	0.02	Upregulated DEGs	1.40	9.34E-10	2.26E-09
<i>FURIN</i>	3. Predicted membrane proteins	Enzymes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	2	0.03	16	0.03	Upregulated DEGs	1.16	1.62E-09	3.84E-09
<i>MAL</i>	3. Predicted membrane proteins	Predicted membrane proteins	8	0.12	7	0.01	Downregulated DEGs	-1.08	1.86E-09	4.4E-09
<i>TMEM27</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	18	0.03	Upregulated DEGs	1.73	2.54E-09	5.95E-09
<i>KCNH2</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Plasma proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	4	0.06	9	0.02	Upregulated DEGs	1.79	2.61E-09	6.1E-09
<i>SLC6A15</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transporters	3	0.04	63	0.12	Upregulated DEGs	4.14	2.69E-09	6.28E-09
<i>PTPRZ1</i>	3. Predicted membrane proteins	Enzymes, Plasma proteins, Predicted membrane proteins	5	0.07	27	0.05	Upregulated DEGs	2.37	3.46E-09	8.01E-09
<i>FAT2</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	2	0.03	30	0.06	Upregulated DEGs	2.21	3.65E-09	8.45E-09
<i>SDK1</i>	3. Predicted membrane	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	6	0.01	Upregulated DEGs	1.32	3.83E-09	8.84E-09

	proteins									
<i>CLDN11</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	11	0.02	Downregulated DEGs	-1.11	6.95E-09	1.57E-08
<i>LICAM</i>	3. Predicted membrane proteins	CD markers, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	2	0.03	30	0.06	Upregulated DEGs	2.27	8.12E-09	1.82E-08
<i>KCNF1</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	2	0.03	23	0.04	Upregulated DEGs	1.85	1.01E-08	2.26E-08
<i>ITGA10</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	4	0.06	6	0.01	Downregulated DEGs	-1.01	1.09E-08	2.43E-08
<i>TMTC1</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	10	0.02	Downregulated DEGs	-1.04	1.68E-08	3.67E-08
<i>CA12</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted membrane proteins	4	0.06	16	0.03	Upregulated DEGs	1.74	2.24E-08	4.87E-08
<i>CTCFL</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transcription factors	2	0.03	17	0.03	Upregulated DEGs	1.60	2.34E-08	5.07E-08
<i>KIAA1644</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.10	11	0.02	Upregulated DEGs	1.46	6.08E-08	0.000000128
<i>SLCO4C1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	6	0.01	Downregulated DEGs	-1.08	7.17E-08	0.00000015
<i>LRRTM1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	4	0.06	38	0.07	Upregulated DEGs	3.27	8.48E-08	0.000000177
<i>ADRA2A</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	3	0.04	14	0.03	Upregulated DEGs	1.55	8.57E-08	0.000000178
<i>FZD10</i>	3. Predicted membrane	CD markers, G-protein coupled receptors, Predicted intracellular	9	0.13	60	0.12	Upregulated DEGs	2.06	0.000000228	0.000000459

	proteins	proteins, Predicted membrane proteins								
<i>CFTR</i>	3. Predicted membrane proteins	Cancer-related genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins, Transporters	2	0.03	6	0.01	Downregulated DEGs	-1.19	0.000000359	0.00000071
<i>F2RL2</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	6	0.09	16	0.03	Upregulated DEGs	1.41	0.000000426	0.000000838
<i>ODZ3</i>	3. Predicted membrane proteins	Cytoskeleton related proteins, Predicted membrane proteins	3	0.04	6	0.01	Upregulated DEGs	1.16	0.000000752	0.00000145
<i>CECR6</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	6	0.01	Non-differentially expressed genes	0.92	0.0000008	0.00000154
<i>SHISA3</i>	3. Predicted membrane proteins	Predicted membrane proteins	6	0.09	53	0.10	Upregulated DEGs	2.10	0.00000106	0.00000202
<i>LPHN3</i>	3. Predicted membrane proteins	G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	4	0.06	12	0.02	Downregulated DEGs	-1.04	0.00000232	0.00000429
<i>DLK2</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	15	0.03	Upregulated DEGs	1.26	0.00000573	0.0000103
<i>CCR10</i>	3. Predicted membrane proteins	Cancer-related genes, G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	3	0.04	21	0.04	Upregulated DEGs	1.07	0.00000593	0.0000106
<i>VNN2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.04	7	0.01	Non-differentially expressed genes	-0.78	0.00000606	0.0000109
<i>HSD17B2</i>	3. Predicted membrane proteins	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	8	0.12	27	0.05	Upregulated DEGs	1.78	0.00000667	0.0000119

<i>DIO1</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	32	0.06	Upregulated DEGs	1.68	0.00000891	0.0000157
<i>SCN2A</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted membrane proteins, Transporters, Voltage-gated ion channels	4	0.06	35	0.07	Upregulated DEGs	1.71	0.0000131	0.0000228
<i>TMED6</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	25	0.05	Upregulated DEGs	1.31	0.0000788	0.000128754
<i>RYR2</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Potential drug targets, Predicted membrane proteins, Transporters	8	0.12	7	0.01	Non-differentially expressed genes	-0.81	0.0000788	0.000128754
<i>SLC7A2</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	8	0.02	Upregulated DEGs	1.12	0.0000965	0.00015642
<i>GRIN2A</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Plasma proteins, Predicted membrane proteins, RAS pathway related proteins	3	0.04	49	0.09	Upregulated DEGs	1.54	0.000146867	0.000234814
<i>ANOS3</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	3	0.04	22	0.04	Upregulated DEGs	1.18	0.000214295	0.000338082
<i>GPR77</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	2	0.03	8	0.02	Non-differentially expressed genes	0.71	0.00055921	0.000847148
<i>PDE3A</i>	3. Predicted membrane proteins	Enzymes, FDA approved drug targets, Plasma proteins, Predicted membrane proteins	4	0.06	18	0.03	Non-differentially expressed genes	0.93	0.000628503	0.000946728
<i>PCDH19</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	6	0.09	15	0.03	Non-differentially expressed genes	0.87	0.001119373	0.001647641
<i>HRASLS2</i>	3. Predicted	Predicted membrane proteins	2	0.03	18	0.03	Non-	0.97	0.001814465	0.002626635

	membrane proteins						differentially expressed genes			
<i>NRCAM</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.06	22	0.04	Non-differentially expressed genes	0.80	0.002799164	0.003980516
<i>PCDHB6</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.10	15	0.03	Non-differentially expressed genes	0.63	0.003348503	0.004726944
<i>SLTRK6</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	3	0.04	13	0.03	Non-differentially expressed genes	0.89	0.003746178	0.005257428
<i>DLL1</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	7	0.01	Non-differentially expressed genes	-0.48	0.005351442	0.007380907
<i>HLA-DQB2</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	2	0.03	8	0.02	Non-differentially expressed genes	0.72	0.005821697	0.00799765
<i>RCAN2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	5	0.07	7	0.01	Non-differentially expressed genes	-0.45	0.006348075	0.008689511
<i>TMEM169</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	8	0.02	Non-differentially expressed genes	0.50	0.006477423	0.008858426
<i>DHRS9</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	6	0.09	22	0.04	Non-differentially expressed genes	0.67	0.008286704	0.0112062
<i>SMPD3</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	14	0.03	Non-differentially expressed	0.58	0.008520802	0.011509188

							genes			
<i>APOL1</i>	3. Predicted membrane proteins	Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	2	0.03	6	0.01	Non-differentially expressed genes	0.41	0.010156629	0.013597867
<i>SYP</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	26	0.05	Non-differentially expressed genes	-0.55	0.011526733	0.015359008
<i>SLC2A12</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	8	0.02	Non-differentially expressed genes	-0.43	0.013083139	0.017312056
<i>RAET1E</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	3	0.04	7	0.01	Non-differentially expressed genes	0.63	0.014552802	0.019156344
<i>JAG1</i>	3. Predicted membrane proteins	CD markers, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	6	0.01	Non-differentially expressed genes	-0.33	0.016590756	0.021712314
<i>TMPRSS3</i>	3. Predicted membrane proteins	Cancer-related genes, Disease related genes, Enzymes, Potential drug targets, Predicted membrane proteins	3	0.04	13	0.03	Non-differentially expressed genes	0.63	0.017916999	0.023386317
<i>TRPC6</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Potential drug targets, Predicted membrane proteins, Transporters, Voltage-gated ion channels	7	0.10	6	0.01	Non-differentially expressed genes	-0.45	0.020658754	0.0267796
<i>CDH6</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	6	0.09	12	0.02	Non-differentially expressed genes	-0.46	0.021631552	0.027999192
<i>SUSD5</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	6	0.09	8	0.02	Non-differentially expressed	0.46	0.028630332	0.036549934

							genes			
<i>FFAR2</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	3	0.04	25	0.05	Non-differentially expressed genes	0.60	0.029948708	0.038151237
<i>HLA-G</i>	3. Predicted membrane proteins	Cancer-related genes, Predicted membrane proteins	2	0.03	10	0.02	Non-differentially expressed genes	0.53	0.036784936	0.046364088
<i>ABCA13</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	12	0.02	Non-differentially expressed genes	0.62	0.038740797	0.048713838
<i>LGR6</i>	3. Predicted membrane proteins	G-protein coupled receptors, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	3	0.04	6	0.01	Non-differentially expressed genes	0.52	0.043477549	0.054371579
<i>TMEM35</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	25	0.05	Non-differentially expressed genes	-0.47	0.049121672	0.061050577
<i>FAM198B</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	6	0.01	Non-differentially expressed genes	0.30	0.06005432	0.073703254
<i>B3GALT2</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.10	18	0.03	Non-differentially expressed genes	-0.43	0.074505521	0.090469689
<i>LRP2</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	5	0.07	7	0.01	Non-differentially expressed genes	-0.48	0.082401196	0.099457088
<i>EDAR</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins	6	0.09	20	0.04	Non-differentially expressed genes	0.56	0.08953366	0.107482251
<i>RNF150</i>	3. Predicted	Predicted membrane proteins,	3	0.04	11	0.02	Non-	0.36	0.090562975	0.108621598

	membrane proteins	Predicted secreted proteins					differentially expressed genes			
<i>CYP3A5</i>	3. Predicted membrane proteins	Cancer-related genes, Enzymes, Predicted intracellular proteins, Predicted membrane proteins	3	0.04	29	0.06	Non-differentially expressed genes	0.53	0.106482145	0.126351573
<i>FAM155A</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	7	0.01	Non-differentially expressed genes	-0.28	0.172781143	0.198966177
<i>CHRM3</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	3	0.04	15	0.03	Non-differentially expressed genes	-0.33	0.193629101	0.221585847
<i>SLC7A8</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	7	0.01	Non-differentially expressed genes	-0.22	0.196878406	0.224993102
<i>ST6GAL2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	6	0.09	10	0.02	Non-differentially expressed genes	-0.28	0.254726818	0.286507552
<i>GPR64</i>	3. Predicted membrane proteins	G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	5	0.07	10	0.02	Non-differentially expressed genes	0.26	0.26297665	0.29536284
<i>SLC26A9</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	8	0.02	Non-differentially expressed genes	0.30	0.279009975	0.312076272
<i>PRUNE2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	5	0.07	6	0.01	Non-differentially expressed genes	-0.19	0.340784815	0.375472726
<i>TSPAN31</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	3	0.04	10	0.02	Non-differentially expressed	0.09	0.400868119	0.435691929

							genes			
<i>PTGER3</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	4	0.06	18	0.03	Non-differentially expressed genes	-0.19	0.432361903	0.467554881
<i>PCDHB3</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	10	0.15	18	0.03	Non-differentially expressed genes	-0.12	0.491252155	0.526877311
<i>TMEM130</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	12	0.02	Non-differentially expressed genes	0.16	0.527681304	0.562827305
<i>SHISA2</i>	3. Predicted membrane proteins	Predicted membrane proteins	8	0.12	18	0.03	Non-differentially expressed genes	0.16	0.556268722	0.590275032
<i>SLC10A4</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	7	0.10	17	0.03	Non-differentially expressed genes	0.15	0.576899801	0.610644544
<i>GPR98</i>	3. Predicted membrane proteins	Disease related genes, G-protein coupled receptors, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins, Transporters	2	0.03	6	0.01	Non-differentially expressed genes	0.13	0.577619783	0.611319743
<i>TMEM71</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	6	0.01	Non-differentially expressed genes	0.10	0.582262274	0.615795487
<i>PTPRN2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	6	0.09	6	0.01	Non-differentially expressed genes	-0.11	0.602404246	0.635023106
<i>SLITRK4</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	21	0.04	Non-differentially expressed	0.11	0.669472834	0.69963223

							genes			
<i>HAS3</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	3	0.04	10	0.02	Non-differentially expressed genes	0.08	0.738375195	0.764450593
<i>CXCR7</i>	3. Predicted membrane proteins	Cancer-related genes, G-protein coupled receptors, Predicted membrane proteins	7	0.10	10	0.02	Non-differentially expressed genes	-0.06	0.744954673	0.770566047
<i>SLC5A1</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	13	0.03	Non-differentially expressed genes	0.11	0.750029507	0.775276891
<i>KCNJ12</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Voltage-gated ion channels	3	0.04	21	0.04	Non-differentially expressed genes	-0.06	0.784342307	0.807047808
<i>LRP4</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins, Predicted secreted proteins	2	0.03	11	0.02	Non-differentially expressed genes	-0.01	0.980833452	0.983872338
<i>SLCO4A1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	6	0.01	Non-differentially expressed genes	0.00	0.995923234	0.996391558
<i>CACNA1A</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	2	0.03	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>CD70</i>	3. Predicted membrane proteins	Cancer-related genes, CD markers, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>CNTNAP4</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	43	0.08	#N/A	#N/A	#N/A	#N/A

<i>DRD5</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	2	0.03	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>DSC1</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	2	0.03	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>ELOVL3</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	2	0.03	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>GRM4</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>HTR1F</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	2	0.03	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>KCNB2</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Voltage-gated ion channels	2	0.03	25	0.05	#N/A	#N/A	#N/A	#N/A
<i>KCNC1</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Voltage-gated ion channels	2	0.03	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>KCNH7</i>	3. Predicted membrane proteins	Predicted membrane proteins, Voltage-gated ion channels	2	0.03	21	0.04	#N/A	#N/A	#N/A	#N/A
<i>KCNH8</i>	3. Predicted membrane proteins	Predicted membrane proteins, Voltage-gated ion channels	2	0.03	10	0.02	#N/A	#N/A	#N/A	#N/A
<i>KCNK12</i>	3. Predicted membrane proteins	Predicted membrane proteins, Voltage-gated ion channels	2	0.03	23	0.04	#N/A	#N/A	#N/A	#N/A
<i>KCNVI</i>	3. Predicted membrane proteins	Predicted membrane proteins, Voltage-gated ion channels	2	0.03	29	0.06	#N/A	#N/A	#N/A	#N/A
<i>LRFN2</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>MMP16</i>	3. Predicted	Cancer-related genes, Enzymes,	2	0.03	6	0.01	#N/A	#N/A	#N/A	#N/A

	membrane proteins	FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins								
<i>NKAIN1</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	24	0.05	#N/A	#N/A	#N/A	#N/A
<i>RNF186</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>THSD7B</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>TMEM145</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>TMEM74</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>TMPRSS11D</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	43	0.08	#N/A	#N/A	#N/A	#N/A
<i>UPK1A</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	23	0.04	#N/A	#N/A	#N/A	#N/A
<i>XKR4</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>CADM2</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	18	0.03	#N/A	#N/A	#N/A	#N/A
<i>ILDR2</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	3	0.04	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>KCNK2</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Voltage-gated ion channels	3	0.04	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>NKAIN4</i>	3. Predicted membrane	Predicted intracellular proteins, Predicted membrane proteins	3	0.04	19	0.04	#N/A	#N/A	#N/A	#N/A

	proteins									
<i>SLC16A8</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Transporters	3	0.04	11	0.02	#N/A	#N/A	#N/A	#N/A
<i>SLC25A18</i>	3. Predicted membrane proteins	Mitochondrial proteins, Plasma proteins, Predicted membrane proteins, Transporters	3	0.04	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>SLC3A1</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins, Transporters	3	0.04	25	0.05	#N/A	#N/A	#N/A	#N/A
<i>TRIL</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>TRPA1</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted membrane proteins, Transporters, Voltage-gated ion channels	3	0.04	18	0.03	#N/A	#N/A	#N/A	#N/A
<i>TTYH1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	3	0.04	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>ZPLD1</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.04	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>CALHM3</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.06	22	0.04	#N/A	#N/A	#N/A	#N/A
<i>GABRR1</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins	4	0.06	57	0.11	#N/A	#N/A	#N/A	#N/A
<i>HRK</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	12	0.02	#N/A	#N/A	#N/A	#N/A
<i>HYAL4</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	4	0.06	16	0.03	#N/A	#N/A	#N/A	#N/A

<i>NKAIN2</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	4	0.06	60	0.12	#N/A	#N/A	#N/A	#N/A
<i>NLGN1</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.06	13	0.03	#N/A	#N/A	#N/A	#N/A
<i>OR51E2</i>	3. Predicted membrane proteins	Cancer-related genes, G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	4	0.06	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>RPRML</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	10	0.02	#N/A	#N/A	#N/A	#N/A
<i>UNC5A</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	13	0.03	#N/A	#N/A	#N/A	#N/A
<i>UPK2</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.06	23	0.04	#N/A	#N/A	#N/A	#N/A
<i>CDH12</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	5	0.07	30	0.06	#N/A	#N/A	#N/A	#N/A
<i>DMRT2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transcription factors	5	0.07	10	0.02	#N/A	#N/A	#N/A	#N/A
<i>SLC47A2</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	5	0.07	19	0.04	#N/A	#N/A	#N/A	#N/A
<i>CLRN3</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	6	0.09	29	0.06	#N/A	#N/A	#N/A	#N/A
<i>IGSF11</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	6	0.09	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>KIRREL3</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins	6	0.09	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>KLRC3</i>	3. Predicted	Predicted membrane proteins	6	0.09	15	0.03	#N/A	#N/A	#N/A	#N/A

	membrane proteins									
<i>NETO1</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins, Transporters	6	0.09	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>PTH2R</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	6	0.09	31	0.06	#N/A	#N/A	#N/A	#N/A
<i>SYT14</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	6	0.09	43	0.08	#N/A	#N/A	#N/A	#N/A
<i>CDH4</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.10	39	0.08	#N/A	#N/A	#N/A	#N/A
<i>NPFFR2</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins, Predicted secreted proteins	7	0.10	55	0.11	#N/A	#N/A	#N/A	#N/A
<i>SUN3</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	7	0.10	51	0.10	#N/A	#N/A	#N/A	#N/A
<i>TRIM55</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	11	0.16	30	0.06	#N/A	#N/A	#N/A	#N/A
<i>TPTE</i>	3. Predicted membrane proteins	Enzymes, Plasma proteins, Predicted membrane proteins	12	0.18	45	0.09	#N/A	#N/A	#N/A	#N/A
<i>PITX2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	3	0.04	16	0.03	Upregulated DEGs	8.49	2.57E-41	4.77E-40
<i>COL11A1</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	5	0.07	16	0.03	Upregulated DEGs	6.99	5.55E-41	1.01E-39
<i>CYP27B1</i>	4. Others	Disease related genes, Enzymes, Mitochondrial proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	9	0.02	Upregulated DEGs	2.77	1.86E-38	2.99E-37

<i>DMBX1</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	15	0.03	Upregulated DEGs	6.66	2.93E-37	4.38E-36
<i>METTL1</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	3	0.04	8	0.02	Upregulated DEGs	1.57	1.76E-36	2.49E-35
<i>CARD14</i>	4. Others	Disease related genes, Predicted intracellular proteins	4	0.06	10	0.02	Upregulated DEGs	3.86	1.81E-36	2.57E-35
<i>C2CD4A</i>	4. Others	Predicted intracellular proteins	6	0.09	9	0.02	Upregulated DEGs	4.34	3.44E-36	4.8E-35
<i>AKR7A3</i>	4. Others	Predicted intracellular proteins	5	0.07	16	0.03	Upregulated DEGs	5.95	2.11E-34	2.65E-33
<i>C11orf86</i>	4. Others	Predicted intracellular proteins	3	0.04	29	0.06	Upregulated DEGs	8.15	3.98E-32	4.41E-31
<i>MMP1</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	7	0.10	14	0.03	Upregulated DEGs	5.37	4.23E-31	4.45E-30
<i>B3GNT6</i>	4. Others	Predicted secreted proteins	3	0.04	16	0.03	Upregulated DEGs	5.98	8.55E-31	8.83E-30
<i>CST1</i>	4. Others	Plasma proteins, Predicted secreted proteins	7	0.10	16	0.03	Upregulated DEGs	6.62	1.11E-30	1.14E-29
<i>MMP13</i>	4. Others	Cancer-related genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	6	0.09	24	0.05	Upregulated DEGs	6.32	2.39E-30	2.39E-29
<i>PROC</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	19	0.04	Upregulated DEGs	4.68	4.69E-30	4.58E-29
<i>ONECUT2</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	22	0.04	Upregulated DEGs	5.01	3.28E-29	3.07E-28
<i>ATP6V1C2</i>	4. Others	Predicted intracellular proteins, Transporters	2	0.03	12	0.02	Upregulated DEGs	2.85	1.39E-28	1.24E-27
<i>SPINK1</i>	4. Others	Cancer-related genes, Disease	8	0.12	32	0.06	Upregulated	7.04	1.88E-28	1.67E-27

		related genes, Plasma proteins, Predicted secreted proteins					DEGs			
<i>IL23A</i>	4. Others	Predicted secreted proteins	3	0.04	12	0.02	Upregulated DEGs	2.85	1.17E-27	9.83E-27
<i>CST4</i>	4. Others	Predicted secreted proteins	4	0.06	19	0.04	Upregulated DEGs	6.84	1.63E-27	1.36E-26
<i>PAX6</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	8	0.12	7	0.01	Downregulated DEGs	-1.30	1.87E-27	1.55E-26
<i>Clorf61</i>	4. Others	Predicted intracellular proteins	2	0.03	39	0.08	Upregulated DEGs	6.17	2.74E-27	2.25E-26
<i>COL22A1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	6	0.09	15	0.03	Upregulated DEGs	4.13	2.86E-27	2.34E-26
<i>FGL1</i>	4. Others	Plasma proteins, Predicted secreted proteins	7	0.10	51	0.10	Upregulated DEGs	7.78	4.47E-27	3.62E-26
<i>HES6</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	14	0.03	Upregulated DEGs	3.12	6.83E-27	5.44E-26
<i>VILI</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	6	0.09	30	0.06	Upregulated DEGs	8.04	8.76E-27	6.93E-26
<i>KRT86</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	19	0.04	Upregulated DEGs	3.29	4.08E-26	3.1E-25
<i>BARX1</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	22	0.04	Upregulated DEGs	7.86	1.71E-25	1.25E-24
<i>NPW</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	7	0.10	42	0.08	Upregulated DEGs	5.55	1.93E-25	1.4E-24
<i>INHA</i>	4. Others	Predicted secreted proteins	3	0.04	61	0.12	Upregulated DEGs	6.83	3.38E-25	2.41E-24
<i>DUSP9</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	16	0.03	Upregulated DEGs	4.81	4.78E-25	3.38E-24
<i>ARTN</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.06	14	0.03	Upregulated DEGs	3.03	5.05E-25	3.57E-24
<i>TRIM31</i>	4. Others	Predicted intracellular proteins	6	0.09	29	0.06	Upregulated DEGs	4.86	5.98E-25	4.2E-24
<i>TESC</i>	4. Others	Predicted intracellular proteins	3	0.04	9	0.02	Upregulated DEGs	3.81	8.81E-25	6.13E-24
<i>PRSS3</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins,	4	0.06	46	0.09	Upregulated DEGs	6.09	1.04E-24	7.19E-24

		Predicted secreted proteins								
<i>IGFL2</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	6	0.09	14	0.03	Upregulated DEGs	4.17	1.36E-24	9.39E-24
<i>PAEP</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.06	53	0.10	Upregulated DEGs	8.08	2.21E-24	1.5E-23
<i>PCP4</i>	4. Others	Predicted intracellular proteins	2	0.03	30	0.06	Upregulated DEGs	5.89	6.74E-24	4.44E-23
<i>HGD</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	5	0.07	13	0.03	Upregulated DEGs	4.24	5.53E-23	3.43E-22
<i>CXCL14</i>	4. Others	Predicted secreted proteins	4	0.06	30	0.06	Upregulated DEGs	4.44	5.55E-23	3.45E-22
<i>AIM2</i>	4. Others	Predicted intracellular proteins	5	0.07	7	0.01	Upregulated DEGs	3.10	5.68E-23	3.53E-22
<i>VGF</i>	4. Others	Plasma proteins, Predicted secreted proteins	5	0.07	26	0.05	Upregulated DEGs	6.24	6.1E-23	3.78E-22
<i>PADII</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	45	0.09	Upregulated DEGs	6.76	6.85E-23	4.22E-22
<i>GNG4</i>	4. Others	Predicted intracellular proteins, RAS pathway related proteins	6	0.09	35	0.07	Upregulated DEGs	4.60	6.98E-23	4.3E-22
<i>TUBB2B</i>	4. Others	Disease related genes, Predicted intracellular proteins	8	0.12	30	0.06	Upregulated DEGs	4.47	7.59E-23	4.67E-22
<i>CPS1</i>	4. Others	Disease related genes, Enzymes, FDA approved drug targets, Mitochondrial proteins, Plasma proteins, Predicted intracellular proteins	11	0.16	95	0.18	Upregulated DEGs	7.22	8.45E-23	5.18E-22
<i>TFF1</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	7	0.10	59	0.11	Upregulated DEGs	9.63	1.08E-22	6.55E-22
<i>IL11</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	5	0.07	12	0.02	Upregulated DEGs	2.94	1.32E-22	7.95E-22
<i>MMP3</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Enzymes, FDA approved drug targets,	4	0.06	18	0.03	Upregulated DEGs	4.57	3.41E-22	1.99E-21

		Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins								
<i>HOXB9</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	30	0.06	Upregulated DEGs	7.47	5.81E-22	3.36E-21
<i>KRT81</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	7	0.10	44	0.09	Upregulated DEGs	5.73	6.03E-22	3.47E-21
<i>TCN1</i>	4. Others	Plasma proteins, Predicted secreted proteins	9	0.13	48	0.09	Upregulated DEGs	6.84	8.02E-22	4.58E-21
<i>AKR1B10</i>	4. Others	Predicted intracellular proteins	3	0.04	74	0.14	Upregulated DEGs	7.86	1.3E-21	7.34E-21
<i>QPCT</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	9	0.02	Upregulated DEGs	2.82	1.89E-21	1.06E-20
<i>TRIM15</i>	4. Others	Predicted intracellular proteins	5	0.07	29	0.06	Upregulated DEGs	6.51	3.6E-21	1.97E-20
<i>DOK5</i>	4. Others	Predicted intracellular proteins	3	0.04	8	0.02	Upregulated DEGs	2.58	4.17E-21	2.27E-20
<i>GLB1L3</i>	4. Others	Predicted intracellular proteins	6	0.09	22	0.04	Upregulated DEGs	6.07	7.89E-21	4.21E-20
<i>FGB</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	11	0.16	74	0.14	Upregulated DEGs	9.26	1.08E-20	5.7E-20
<i>CRABP1</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	4	0.06	29	0.06	Upregulated DEGs	6.79	1.44E-20	7.54E-20
<i>THPO</i>	4. Others	Cancer-related genes, Disease related genes, Predicted secreted proteins	3	0.04	6	0.01	Upregulated DEGs	3.50	2.86E-20	1.47E-19
<i>FGF19</i>	4. Others	Cancer-related genes, Predicted secreted proteins, RAS pathway related proteins	7	0.10	53	0.10	Upregulated DEGs	9.23	4.04E-20	2.05E-19
<i>KLK6</i>	4. Others	Cancer-related genes, Enzymes, Mitochondrial proteins, Plasma	3	0.04	55	0.11	Upregulated DEGs	7.08	4.06E-20	2.06E-19

		proteins, Predicted intracellular proteins, Predicted secreted proteins								
<i>ENO3</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	38	0.07	Upregulated DEGs	3.35	4.52E-20	2.28E-19
<i>HAL</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	6	0.09	17	0.03	Upregulated DEGs	3.47	4.58E-20	2.31E-19
<i>PCSK1</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins, Predicted secreted proteins	9	0.13	60	0.12	Upregulated DEGs	6.94	7.49E-20	3.72E-19
<i>SP8</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	28	0.05	Upregulated DEGs	6.81	7.51E-20	3.73E-19
<i>SOX11</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	5	0.07	38	0.07	Upregulated DEGs	5.03	8.22E-20	4.07E-19
<i>SIX2</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	8	0.02	Upregulated DEGs	3.49	1.17E-19	5.74E-19
<i>GLDC</i>	4. Others	Disease related genes, Enzymes, Mitochondrial proteins, Potential drug targets, Predicted intracellular proteins	4	0.06	27	0.05	Upregulated DEGs	3.61	1.36E-19	6.64E-19
<i>NCCRPI</i>	4. Others	Predicted intracellular proteins	8	0.12	26	0.05	Upregulated DEGs	3.98	1.44E-19	6.97E-19
<i>PTHLH</i>	4. Others	Cancer-related genes, Disease related genes, Predicted secreted proteins	5	0.07	19	0.04	Upregulated DEGs	3.01	2.01E-19	9.63E-19
<i>SMOC1</i>	4. Others	Disease related genes, Predicted secreted proteins	4	0.06	24	0.05	Upregulated DEGs	4.12	2.59E-19	1.24E-18
<i>MYCN</i>	4. Others	Cancer-related genes, Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	39	0.08	Upregulated DEGs	4.16	4.52E-19	2.13E-18

<i>CRLF1</i>	4. Others	Disease related genes, Predicted intracellular proteins, Predicted secreted proteins	4	0.06	29	0.06	Upregulated DEGs	4.24	4.54E-19	2.13E-18
<i>OGDHL</i>	4. Others	Citric acid cycle related proteins, Mitochondrial proteins, Predicted intracellular proteins	2	0.03	21	0.04	Upregulated DEGs	4.29	6.17E-19	2.87E-18
<i>PAH</i>	4. Others	Disease related genes, Enzymes, FDA approved drug targets, Predicted intracellular proteins	6	0.09	46	0.09	Upregulated DEGs	7.07	6.73E-19	3.13E-18
<i>ACMSD</i>	4. Others	Enzymes, Predicted intracellular proteins	3	0.04	40	0.08	Upregulated DEGs	5.79	1.41E-18	6.42E-18
<i>ALB</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	59	0.11	Upregulated DEGs	10.01	1.62E-18	7.34E-18
<i>COL9A3</i>	4. Others	Disease related genes, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	11	0.02	Upregulated DEGs	2.97	4.55E-18	2E-17
<i>SCUBE3</i>	4. Others	Predicted secreted proteins	2	0.03	11	0.02	Upregulated DEGs	2.78	7.21E-18	3.14E-17
<i>AGT</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted secreted proteins	5	0.07	22	0.04	Upregulated DEGs	3.24	8.77E-18	3.79E-17
<i>KIF1A</i>	4. Others	Disease related genes, Predicted intracellular proteins	7	0.10	53	0.10	Upregulated DEGs	5.90	8.93E-18	3.86E-17
<i>SP5</i>	4. Others	Predicted intracellular proteins, Transcription factors	4	0.06	12	0.02	Upregulated DEGs	2.59	8.96E-18	3.87E-17
<i>ANKS4B</i>	4. Others	Predicted intracellular proteins	2	0.03	68	0.13	Upregulated DEGs	6.64	1.18E-17	5.03E-17
<i>MMP10</i>	4. Others	Cancer-related genes, Enzymes, FDA approved drug targets, Predicted secreted proteins	7	0.10	25	0.05	Upregulated DEGs	4.25	1.19E-17	5.09E-17
<i>KRT6A</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	7	0.10	48	0.09	Upregulated DEGs	5.77	1.5E-17	6.38E-17

<i>POU3F2</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	43	0.08	Upregulated DEGs	7.79	1.51E-17	6.42E-17
<i>FAM133A</i>	4. Others	Predicted intracellular proteins	4	0.06	94	0.18	Upregulated DEGs	5.73	1.8E-17	7.59E-17
<i>NPTX1</i>	4. Others	Predicted secreted proteins	6	0.09	44	0.09	Upregulated DEGs	4.10	2.9E-17	1.21E-16
<i>KIAA1199</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	6	0.09	9	0.02	Upregulated DEGs	2.31	3.21E-17	1.34E-16
<i>ANXA10</i>	4. Others	Predicted intracellular proteins	12	0.18	66	0.13	Upregulated DEGs	9.14	3.3E-17	1.37E-16
<i>MYBPH</i>	4. Others	Predicted intracellular proteins	2	0.03	26	0.05	Upregulated DEGs	4.52	3.63E-17	1.51E-16
<i>REG4</i>	4. Others	Predicted secreted proteins	3	0.04	36	0.07	Upregulated DEGs	11.04	3.64E-17	1.51E-16
<i>TRIM9</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	3	0.04	23	0.04	Upregulated DEGs	3.06	4.04E-17	1.67E-16
<i>SPRR1B</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	8	0.12	45	0.09	Upregulated DEGs	6.69	4.18E-17	1.72E-16
<i>CHGB</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	8	0.12	47	0.09	Upregulated DEGs	6.00	4.66E-17	1.92E-16
<i>MUC6</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	65	0.13	Upregulated DEGs	6.69	4.96E-17	2.03E-16
<i>SALL1</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Transcription factors	10	0.15	67	0.13	Upregulated DEGs	6.20	6.05E-17	2.46E-16
<i>ARL14</i>	4. Others	Predicted intracellular proteins	3	0.04	38	0.07	Upregulated DEGs	5.06	8.43E-17	3.39E-16
<i>HOXB13</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	4	0.06	23	0.04	Upregulated DEGs	6.82	1.84E-16	7.25E-16
<i>DLX5</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	4	0.06	13	0.03	Upregulated DEGs	2.91	2.33E-16	9.12E-16
<i>MUC5B</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted	9	0.13	19	0.04	Upregulated DEGs	4.10	2.79E-16	1.08E-15

		proteins								
<i>KLHDC7B</i>	4. Others	Predicted intracellular proteins	2	0.03	9	0.02	Upregulated DEGs	1.97	4.47E-16	1.7E-15
<i>TF</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	50	0.10	Upregulated DEGs	4.99	5.39E-16	2.05E-15
<i>UBE2QL1</i>	4. Others	Enzymes, Predicted intracellular proteins	7	0.10	15	0.03	Upregulated DEGs	2.65	5.78E-16	2.19E-15
<i>PRSS1</i>	4. Others	Cancer-related genes, Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins, Predicted secreted proteins	3	0.04	54	0.10	Upregulated DEGs	6.87	6.15E-16	2.32E-15
<i>CALCA</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins, Transporters	4	0.06	80	0.15	Upregulated DEGs	9.01	6.86E-16	2.58E-15
<i>CDK5R2</i>	4. Others	Predicted intracellular proteins	3	0.04	26	0.05	Upregulated DEGs	4.49	9.3E-16	3.46E-15
<i>PGF</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins, RAS pathway related proteins	4	0.06	6	0.01	Upregulated DEGs	1.66	9.61E-16	3.57E-15
<i>EPS8L3</i>	4. Others	Predicted intracellular proteins	8	0.12	77	0.15	Upregulated DEGs	8.68	1.11E-15	4.12E-15
<i>INA</i>	4. Others	Predicted intracellular proteins	2	0.03	60	0.12	Upregulated DEGs	4.26	5.32E-15	1.87E-14
<i>IVL</i>	4. Others	Plasma proteins, Predicted intracellular proteins	7	0.10	24	0.05	Upregulated DEGs	4.42	1.02E-14	3.54E-14
<i>OLFM4</i>	4. Others	Predicted secreted proteins	2	0.03	52	0.10	Upregulated DEGs	6.66	1.46E-14	5E-14
<i>KLK12</i>	4. Others	Enzymes, Predicted secreted proteins	2	0.03	67	0.13	Upregulated DEGs	6.63	2.11E-14	7.14E-14
<i>PADI3</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	58	0.11	Upregulated DEGs	7.57	3.47E-14	1.16E-13

<i>UNC13A</i>	4. Others	Predicted intracellular proteins	3	0.04	41	0.08	Upregulated DEGs	2.99	3.9E-14	1.29E-13
<i>KRT6B</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.04	49	0.09	Upregulated DEGs	4.77	4.29E-14	1.42E-13
<i>PII5</i>	4. Others	Predicted secreted proteins	2	0.03	6	0.01	Upregulated DEGs	2.58	4.51E-14	1.49E-13
<i>TFF3</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	4	0.06	27	0.05	Upregulated DEGs	3.15	4.73E-14	1.56E-13
<i>USH1C</i>	4. Others	Cancer-related genes, Cytoskeleton related proteins, Disease related genes, Predicted intracellular proteins	7	0.10	58	0.11	Upregulated DEGs	4.76	5.28E-14	1.74E-13
<i>NPTX2</i>	4. Others	Predicted secreted proteins	3	0.04	20	0.04	Upregulated DEGs	2.77	6.52E-14	2.13E-13
<i>CEL</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted secreted proteins	2	0.03	34	0.07	Upregulated DEGs	3.55	6.78E-14	2.22E-13
<i>SYCP2</i>	4. Others	Predicted intracellular proteins	2	0.03	31	0.06	Upregulated DEGs	2.51	7.51E-14	2.44E-13
<i>FSTL4</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	20	0.04	Upregulated DEGs	2.77	7.87E-14	2.56E-13
<i>HOXB8</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	34	0.07	Upregulated DEGs	3.76	8.05E-14	2.61E-13
<i>C4BPB</i>	4. Others	Plasma proteins, Predicted secreted proteins	4	0.06	6	0.01	Upregulated DEGs	2.67	9.23E-14	2.99E-13
<i>DHRS2</i>	4. Others	Predicted intracellular proteins	4	0.06	26	0.05	Upregulated DEGs	4.05	9.31E-14	3.01E-13
<i>AMBp</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	5	0.07	24	0.05	Upregulated DEGs	4.02	1.04E-13	3.36E-13
<i>ECM1</i>	4. Others	Disease related genes, Plasma proteins, Predicted secreted proteins	7	0.10	15	0.03	Upregulated DEGs	1.84	1.29E-13	4.12E-13
<i>CALB1</i>	4. Others	Predicted intracellular proteins	8	0.12	43	0.08	Upregulated DEGs	7.75	1.31E-13	4.19E-13

<i>SYT13</i>	4. Others	Predicted intracellular proteins	5	0.07	29	0.06	Upregulated DEGs	4.21	1.51E-13	4.83E-13
<i>F5</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	11	0.16	27	0.05	Upregulated DEGs	2.49	1.65E-13	5.23E-13
<i>TRY6</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	47	0.09	Upregulated DEGs	6.16	1.73E-13	5.48E-13
<i>RUND C3A</i>	4. Others	Predicted intracellular proteins	3	0.04	33	0.06	Upregulated DEGs	2.76	2.14E-13	6.74E-13
<i>KRT17</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	11	0.16	21	0.04	Upregulated DEGs	2.83	3.38E-13	1.05E-12
<i>MAGEC1</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	8	0.12	61	0.12	Upregulated DEGs	8.14	3.95E-13	1.22E-12
<i>CST2</i>	4. Others	Predicted secreted proteins	3	0.04	6	0.01	Upregulated DEGs	2.47	5.36E-13	1.63E-12
<i>NDP</i>	4. Others	Disease related genes, Predicted secreted proteins	6	0.09	27	0.05	Upregulated DEGs	3.40	5.51E-13	1.68E-12
<i>TNNI3</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.04	7	0.01	Upregulated DEGs	3.25	5.86E-13	1.78E-12
<i>KRT6C</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	9	0.13	48	0.09	Upregulated DEGs	4.75	9.33E-13	2.79E-12
<i>MMP7</i>	4. Others	Cancer-related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	7	0.10	9	0.02	Upregulated DEGs	2.19	1.1E-12	3.28E-12
<i>CA10</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	59	0.11	Upregulated DEGs	5.28	1.44E-12	4.25E-12
<i>ZG16B</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	5	0.07	20	0.04	Upregulated DEGs	2.63	2.27E-12	6.62E-12

<i>ZMAT4</i>	4. Others	Predicted intracellular proteins	3	0.04	59	0.11	Upregulated DEGs	5.00	2.4E-12	7E-12
<i>NEFH</i>	4. Others	Disease related genes, Predicted intracellular proteins	14	0.21	78	0.15	Upregulated DEGs	2.82	6.03E-12	1.71E-11
<i>ZNF385B</i>	4. Others	Predicted intracellular proteins	3	0.04	17	0.03	Downregulated DEGs	-1.61	6.17E-12	1.75E-11
<i>CGA</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	10	0.15	60	0.12	Upregulated DEGs	9.46	7.83E-12	2.21E-11
<i>FGA</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	10	0.15	67	0.13	Upregulated DEGs	4.07	8.35E-12	2.35E-11
<i>SYNC</i>	4. Others	Predicted intracellular proteins	3	0.04	10	0.02	Downregulated DEGs	-1.10	8.86E-12	2.49E-11
<i>GDA</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	6	0.09	50	0.10	Upregulated DEGs	3.65	1.16E-11	3.25E-11
<i>HOXB3</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Transcription factors	2	0.03	9	0.02	Upregulated DEGs	1.53	1.62E-11	4.47E-11
<i>BCAS1</i>	4. Others	Predicted intracellular proteins	7	0.10	7	0.01	Upregulated DEGs	2.28	1.62E-11	4.47E-11
<i>LYPD6B</i>	4. Others	Predicted secreted proteins, Transporters	5	0.07	8	0.02	Upregulated DEGs	2.25	1.71E-11	4.71E-11
<i>DOK6</i>	4. Others	Predicted intracellular proteins	6	0.09	10	0.02	Downregulated DEGs	-1.13	1.82E-11	5.01E-11
<i>KLHL35</i>	4. Others	Predicted intracellular proteins	4	0.06	6	0.01	Upregulated DEGs	1.50	1.86E-11	5.11E-11
<i>SERPINA5</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	4	0.06	34	0.07	Upregulated DEGs	2.56	2.13E-11	5.81E-11
<i>CELF3</i>	4. Others	Predicted intracellular proteins	2	0.03	70	0.14	Upregulated DEGs	5.15	2.83E-11	7.67E-11
<i>LGALS4</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular	5	0.07	82	0.16	Upregulated DEGs	4.04	2.87E-11	7.77E-11

		proteins								
<i>CYP4F11</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.04	25	0.05	Upregulated DEGs	3.18	3.31E-11	8.92E-11
<i>ZNF114</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	10	0.02	Upregulated DEGs	2.29	3.42E-11	9.22E-11
<i>HSPA6</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	9	0.02	Upregulated DEGs	1.38	4.3E-11	1.15E-10
<i>MAGEA8</i>	4. Others	Predicted intracellular proteins	2	0.03	36	0.07	Upregulated DEGs	6.27	4.34E-11	1.16E-10
<i>IGFBP1</i>	4. Others	Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	5	0.07	34	0.07	Upregulated DEGs	4.58	5.58E-11	1.48E-10
<i>PI3</i>	4. Others	Plasma proteins, Predicted secreted proteins	9	0.13	31	0.06	Upregulated DEGs	3.25	6.53E-11	1.72E-10
<i>CYP2E1</i>	4. Others	Cancer-related genes, Enzymes, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	11	0.02	Upregulated DEGs	1.83	7.42E-11	1.94E-10
<i>C9orf169</i>	4. Others	Predicted intracellular proteins	6	0.09	10	0.02	Upregulated DEGs	1.88	7.91E-11	2.07E-10
<i>CHST4</i>	4. Others	Predicted secreted proteins	2	0.03	25	0.05	Upregulated DEGs	2.40	7.97E-11	2.08E-10
<i>FBN2</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	7	0.10	25	0.05	Upregulated DEGs	2.68	1.13E-10	2.93E-10
<i>DPEP1</i>	4. Others	Enzymes, FDA approved drug targets, Predicted secreted proteins	3	0.04	11	0.02	Upregulated DEGs	2.06	1.14E-10	2.96E-10
<i>PLAT</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	3	0.04	31	0.06	Upregulated DEGs	1.81	1.18E-10	3.05E-10
<i>KLK8</i>	4. Others	Cancer-related genes, Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	10	0.15	57	0.11	Upregulated DEGs	5.55	1.46E-10	3.77E-10

<i>TDRD1</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.06	57	0.11	Upregulated DEGs	3.52	1.48E-10	3.8E-10
<i>SDS</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	2	0.03	6	0.01	Upregulated DEGs	1.52	2.38E-10	6.03E-10
<i>EDN2</i>	4. Others	Predicted secreted proteins	2	0.03	12	0.02	Upregulated DEGs	2.04	2.5E-10	6.32E-10
<i>RASSF6</i>	4. Others	Predicted intracellular proteins	3	0.04	12	0.02	Upregulated DEGs	1.32	2.64E-10	6.67E-10
<i>SIM2</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	9	0.02	Upregulated DEGs	1.58	2.77E-10	6.98E-10
<i>PKDCC</i>	4. Others	Enzymes, Predicted secreted proteins	3	0.04	11	0.02	Downregulated DEGs	-1.05	2.96E-10	7.43E-10
<i>TBX18</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	31	0.06	Upregulated DEGs	2.89	3.59E-10	8.96E-10
<i>SOX15</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	17	0.03	Upregulated DEGs	1.62	4.32E-10	1.07E-09
<i>EYA2</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	11	0.16	18	0.03	Upregulated DEGs	2.08	5.08E-10	1.26E-09
<i>ANGPTL4</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	9	0.02	Upregulated DEGs	1.64	7.71E-10	1.88E-09
<i>MTMR7</i>	4. Others	Predicted intracellular proteins	3	0.04	38	0.07	Upregulated DEGs	2.05	8.49E-10	2.06E-09
<i>SPRR3</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	9	0.13	51	0.10	Upregulated DEGs	5.09	1.27E-09	3.04E-09
<i>KIF5C</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.04	32	0.06	Upregulated DEGs	1.78	1.83E-09	4.33E-09
<i>SPRR1A</i>	4. Others	Predicted intracellular proteins	6	0.09	35	0.07	Upregulated DEGs	4.26	1.85E-09	4.38E-09
<i>ASCL2</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	12	0.02	Upregulated DEGs	1.48	2.48E-09	5.8E-09
<i>SERPINB4</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	5	0.07	42	0.08	Upregulated DEGs	3.99	3.27E-09	7.58E-09
<i>PKP1</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.04	32	0.06	Upregulated DEGs	2.38	3.96E-09	9.14E-09

<i>CAPN13</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	10	0.02	Upregulated DEGs	1.77	4.15E-09	9.57E-09
<i>PDE1C</i>	4. Others	Enzymes, Predicted intracellular proteins	7	0.10	14	0.03	Downregulated DEGs	-1.30	6.38E-09	1.44E-08
<i>LAMA1</i>	4. Others	Plasma proteins, Predicted secreted proteins	9	0.13	19	0.04	Upregulated DEGs	2.03	6.58E-09	1.49E-08
<i>CHI3L1</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	11	0.16	15	0.03	Upregulated DEGs	1.57	7.07E-09	1.59E-08
<i>ANK1</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	23	0.04	Upregulated DEGs	1.58	1.07E-08	2.39E-08
<i>ORM2</i>	4. Others	Plasma proteins, Predicted secreted proteins	2	0.03	27	0.05	Upregulated DEGs	2.24	1.25E-08	2.77E-08
<i>RIMBP2</i>	4. Others	Predicted intracellular proteins	6	0.09	43	0.08	Upregulated DEGs	2.72	1.34E-08	2.96E-08
<i>TPRG1</i>	4. Others	Predicted intracellular proteins	4	0.06	12	0.02	Non-differentially expressed genes	-0.97	1.58E-08	3.48E-08
<i>HOXD1</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	8	0.02	Upregulated DEGs	1.72	0.000000018	3.94E-08
<i>DSCR6</i>	4. Others	Predicted intracellular proteins	2	0.03	8	0.02	Upregulated DEGs	1.68	2.68E-08	5.77E-08
<i>MUCL1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	7	0.10	43	0.08	Upregulated DEGs	3.94	6.66E-08	0.00000014
<i>COL28A1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.06	9	0.02	Upregulated DEGs	1.67	6.87E-08	0.000000144
<i>AMPH</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	6	0.09	22	0.04	Upregulated DEGs	1.64	7.43E-08	0.000000155
<i>KRT23</i>	4. Others	Predicted intracellular proteins	5	0.07	41	0.08	Upregulated DEGs	2.66	0.000000114	0.000000235
<i>NEURL</i>	4. Others	Predicted intracellular proteins	3	0.04	55	0.11	Upregulated DEGs	1.93	0.000000121	0.000000249
<i>BAAT</i>	4. Others	Disease related genes, Enzymes,	3	0.04	23	0.04	Upregulated	1.90	0.000000155	0.000000317

		Potential drug targets, Predicted intracellular proteins					DEGs			
<i>ORM1</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	3	0.04	29	0.06	Upregulated DEGs	1.90	0.000000192	0.000000389
<i>HS3ST3A1</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	9	0.02	Upregulated DEGs	1.04	0.000000216	0.000000436
<i>MATIA</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	14	0.03	Upregulated DEGs	1.66	0.000000232	0.000000467
<i>ADH1C</i>	4. Others	Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins	5	0.07	25	0.05	Upregulated DEGs	2.28	0.000000241	0.000000485
<i>MYCL1</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Transcription factors	2	0.03	18	0.03	Upregulated DEGs	1.07	0.000000249	0.0000005
<i>PEG3</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	9	0.02	Non-differentially expressed genes	-0.96	0.000000367	0.000000727
<i>PLA2G10</i>	4. Others	Enzymes, Predicted secreted proteins, RAS pathway related proteins	4	0.06	14	0.03	Upregulated DEGs	1.49	0.000000788	0.00000152
<i>CPE</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	6	0.09	8	0.02	Upregulated DEGs	1.14	0.000000851	0.00000164
<i>EML6</i>	4. Others	Predicted intracellular proteins	3	0.04	11	0.02	Upregulated DEGs	1.05	0.000000908	0.00000174
<i>DYNC1II</i>	4. Others	Predicted intracellular proteins	3	0.04	9	0.02	Upregulated DEGs	1.15	0.00000102	0.00000195
<i>CYP2C18</i>	4. Others	Enzymes, Plasma proteins, Predicted secreted proteins	2	0.03	18	0.03	Upregulated DEGs	1.66	0.00000113	0.00000215
<i>MYO16</i>	4. Others	Predicted intracellular proteins	2	0.03	30	0.06	Upregulated DEGs	1.43	0.00000124	0.00000235
<i>CSTA</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins,	10	0.15	9	0.02	Non-differentially	-0.85	0.00000128	0.00000243

		Predicted intracellular proteins					expressed genes			
<i>CCL20</i>	4. Others	Predicted secreted proteins	11	0.16	13	0.03	Upregulated DEGs	1.46	0.0000017	0.00000318
<i>AP3B2</i>	4. Others	Predicted intracellular proteins	2	0.03	19	0.04	Upregulated DEGs	1.67	0.00000176	0.00000329
<i>ZNF208</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	40	0.08	Upregulated DEGs	1.41	0.00000183	0.00000343
<i>DDC</i>	4. Others	Disease related genes, Enzymes, FDA approved drug targets, Predicted intracellular proteins	6	0.09	46	0.09	Upregulated DEGs	2.27	0.00000204	0.00000379
<i>GATM</i>	4. Others	Disease related genes, Enzymes, Mitochondrial proteins, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	7	0.01	Non-differentially expressed genes	0.98	0.00000234	0.00000434
<i>SYTL5</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	13	0.03	Upregulated DEGs	1.38	0.00000239	0.00000443
<i>SPINK5</i>	4. Others	Disease related genes, Plasma proteins, Predicted secreted proteins	4	0.06	27	0.05	Upregulated DEGs	1.66	0.00000296	0.00000544
<i>HOXB6</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	9	0.02	Upregulated DEGs	1.12	0.00000349	0.00000638
<i>ARX</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Transcription factors	6	0.09	22	0.04	Upregulated DEGs	1.69	0.00000442	0.00000802
<i>S100A9</i>	4. Others	Cancer-related genes, Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	8	0.12	16	0.03	Upregulated DEGs	1.39	0.00000453	0.0000082
<i>PLCXD3</i>	4. Others	Predicted intracellular proteins	5	0.07	11	0.02	Downregulated DEGs	-1.04	0.00000775	0.0000138
<i>TRO</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	3	0.04	6	0.01	Non-differentially expressed genes	0.83	0.00000911	0.0000161
<i>DEFB1</i>	4. Others	Predicted secreted proteins, Transporters	7	0.10	18	0.03	Upregulated DEGs	1.64	0.0000113	0.0000198
<i>FST</i>	4. Others	Cancer-related genes, Candidate	4	0.06	33	0.06	Upregulated	1.46	0.0000121	0.0000211

		cardiovascular disease genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins					DEGs			
<i>EFHD1</i>	4. Others	Predicted intracellular proteins	4	0.06	18	0.03	Upregulated DEGs	1.09	0.0000169	0.0000291
<i>PLA1A</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins, RAS pathway related proteins	2	0.03	12	0.02	Non-differentially expressed genes	-0.81	0.0000173	0.0000299
<i>DNM3</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	6	0.09	14	0.03	Non-differentially expressed genes	-0.73	0.000018	0.0000309
<i>PLA2G3</i>	4. Others	Enzymes, Predicted secreted proteins, RAS pathway related proteins	2	0.03	10	0.02	Downregulated DEGs	-1.16	0.0000183	0.0000315
<i>AZGP1</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	8	0.12	24	0.05	Upregulated DEGs	1.61	0.0000192	0.0000329
<i>SAMD11</i>	4. Others	Predicted intracellular proteins	2	0.03	6	0.01	Non-differentially expressed genes	0.87	0.0000193	0.0000332
<i>CTSE</i>	4. Others	Enzymes, Predicted secreted proteins	4	0.06	15	0.03	Upregulated DEGs	1.40	0.0000208	0.0000355
<i>PROX1</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Transcription factors	4	0.06	14	0.03	Upregulated DEGs	1.21	0.0000248	0.0000422
<i>VNN1</i>	4. Others	Enzymes, Plasma proteins, Predicted secreted proteins	7	0.10	36	0.07	Upregulated DEGs	1.21	0.0000256	0.0000435
<i>PAPPA</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Enzymes, Plasma proteins, Predicted secreted proteins	6	0.09	9	0.02	Upregulated DEGs	1.03	0.000026	0.0000441
<i>ADAMTS6</i>	4. Others	Cancer-related genes, Enzymes, Predicted secreted proteins	4	0.06	6	0.01	Non-differentially	0.78	0.0000288	0.0000488

							expressed genes			
<i>LRRC17</i>	4. Others	Predicted secreted proteins	5	0.07	6	0.01	Non-differentially expressed genes	0.75	0.0000363	0.0000609
<i>C12orf34</i>	4. Others	Predicted intracellular proteins	3	0.04	6	0.01	Non-differentially expressed genes	0.78	0.0000383	0.0000642
<i>CRISPLD1</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.06	13	0.03	Upregulated DEGs	1.03	0.0000395	0.0000661
<i>CNTN4</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	13	0.03	Non-differentially expressed genes	-0.81	0.0000445	0.0000741
<i>MMP28</i>	4. Others	Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	4	0.06	7	0.01	Non-differentially expressed genes	-0.95	0.0000487	0.000081
<i>APOD</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	7	0.10	7	0.01	Upregulated DEGs	1.08	0.0000554	0.0000917
<i>LOXL4</i>	4. Others	Predicted secreted proteins	5	0.07	18	0.03	Non-differentially expressed genes	0.93	0.0000723	0.000118529
<i>CRYM</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	9	0.02	Upregulated DEGs	1.19	0.0000817	0.000133261
<i>GAS2</i>	4. Others	Predicted intracellular proteins	7	0.10	21	0.04	Upregulated DEGs	1.09	0.0000982	0.000159215
<i>CAPN6</i>	4. Others	Cancer-related genes, Enzymes, Predicted intracellular proteins	2	0.03	39	0.08	Upregulated DEGs	1.65	0.0000993	0.000160867
<i>PIPOX</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	3	0.04	25	0.05	Non-differentially expressed genes	0.96	0.000111905	0.000180446

<i>SNAP25</i>	4. Others	FDA approved drug targets, Predicted intracellular proteins, Transporters	3	0.04	21	0.04	Upregulated DEGs	1.13	0.000131807	0.000211689
<i>ALDH1A1</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	6	0.09	6	0.01	Non-differentially expressed genes	-0.79	0.000139369	0.000223354
<i>SYN1</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	12	0.02	Non-differentially expressed genes	0.73	0.000176544	0.000280545
<i>OS9</i>	4. Others	Predicted secreted proteins	3	0.04	7	0.01	Non-differentially expressed genes	0.33	0.000180103	0.000285987
<i>RASL11A</i>	4. Others	Predicted intracellular proteins	3	0.04	8	0.02	Non-differentially expressed genes	-0.56	0.000276939	0.000431834
<i>CXCL6</i>	4. Others	Predicted secreted proteins	8	0.12	16	0.03	Upregulated DEGs	1.27	0.000315632	0.000489657
<i>SERPINA3</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	6	0.09	23	0.04	Upregulated DEGs	1.12	0.000343778	0.000531439
<i>PDE7B</i>	4. Others	Enzymes, FDA approved drug targets, Predicted intracellular proteins	2	0.03	7	0.01	Non-differentially expressed genes	-0.57	0.000382673	0.000588999
<i>BMP7</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	19	0.04	Upregulated DEGs	1.09	0.000479385	0.000730083
<i>TNNT2</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Predicted intracellular proteins	4	0.06	11	0.02	Non-differentially expressed genes	-0.82	0.000486202	0.000740163
<i>NOTUM</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	38	0.07	Upregulated DEGs	1.34	0.000590295	0.000892288

<i>APOM</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	8	0.02	Non-differentially expressed genes	0.77	0.000595505	0.000899661
<i>FGG</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	10	0.15	29	0.06	Upregulated DEGs	1.52	0.000599438	0.000905052
<i>SPESPI</i>	4. Others	Predicted secreted proteins	10	0.15	47	0.09	Upregulated DEGs	1.01	0.000622064	0.000937598
<i>RARRES1</i>	4. Others	Predicted secreted proteins	7	0.10	14	0.03	Non-differentially expressed genes	0.76	0.000640973	0.000964731
<i>AMDHD1</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	13	0.03	Non-differentially expressed genes	0.94	0.000786744	0.001173929
<i>CXCL11</i>	4. Others	Predicted secreted proteins	2	0.03	7	0.01	Non-differentially expressed genes	0.83	0.0011298	0.001662495
<i>DBC1</i>	4. Others	Predicted secreted proteins	6	0.09	33	0.06	Upregulated DEGs	1.34	0.001394811	0.002035963
<i>TRIM29</i>	4. Others	Predicted intracellular proteins	4	0.06	29	0.06	Upregulated DEGs	1.13	0.001441946	0.002102291
<i>HS3ST5</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	2	0.03	27	0.05	Upregulated DEGs	1.21	0.001457736	0.002124481
<i>GBP6</i>	4. Others	Predicted intracellular proteins	2	0.03	15	0.03	Non-differentially expressed genes	0.97	0.002146846	0.003084706
<i>RGS4</i>	4. Others	Disease related genes, Predicted intracellular proteins	7	0.10	7	0.01	Non-differentially expressed genes	0.64	0.002855865	0.00405766

<i>BTBD3</i>	4. Others	Predicted intracellular proteins	4	0.06	6	0.01	Non-differentially expressed genes	-0.31	0.002929007	0.004158805
<i>AR</i>	4. Others	Cancer-related genes, Disease related genes, FDA approved drug targets, Nuclear receptors, Plasma proteins, Predicted intracellular proteins, Transcription factors	2	0.03	10	0.02	Non-differentially expressed genes	-0.65	0.003235869	0.004572711
<i>ADAMTS3</i>	4. Others	Cancer-related genes, Enzymes, Predicted secreted proteins	4	0.06	8	0.02	Non-differentially expressed genes	0.59	0.003547584	0.004993778
<i>NOS3</i>	4. Others	Cancer-related genes, Cytoskeleton related proteins, Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins	9	0.13	14	0.03	Non-differentially expressed genes	0.64	0.003575657	0.005031869
<i>FOXL1</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	19	0.04	Non-differentially expressed genes	0.63	0.003731678	0.005238559
<i>FGF12</i>	4. Others	Predicted intracellular proteins, RAS pathway related proteins	3	0.04	32	0.06	Non-differentially expressed genes	0.88	0.003880936	0.005437838
<i>CDC42EP5</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	2	0.03	10	0.02	Non-differentially expressed genes	0.57	0.00424052	0.005917734
<i>HOXA7</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	11	0.02	Non-differentially expressed genes	-0.51	0.004261959	0.005946538
<i>C4BPA</i>	4. Others	Plasma proteins, Predicted secreted proteins	2	0.03	14	0.03	Non-differentially expressed genes	-0.71	0.004269291	0.00595621

<i>PHACTR3</i>	4. Others	Predicted intracellular proteins	6	0.09	17	0.03	Non-differentially expressed genes	0.88	0.0053169	0.007334623
<i>PADI2</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	10	0.02	Non-differentially expressed genes	0.58	0.005529061	0.007614602
<i>HAPLN1</i>	4. Others	Predicted secreted proteins	3	0.04	19	0.04	Non-differentially expressed genes	0.91	0.005644112	0.007764433
<i>CSF2</i>	4. Others	Cancer-related genes, Predicted secreted proteins	3	0.04	8	0.02	Non-differentially expressed genes	0.72	0.008045565	0.010896925
<i>TCHH</i>	4. Others	Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	5	0.07	16	0.03	Non-differentially expressed genes	0.76	0.008544134	0.01153861
<i>RSPO3</i>	4. Others	Cancer-related genes, Predicted secreted proteins	10	0.15	30	0.06	Non-differentially expressed genes	0.80	0.010185981	0.013633488
<i>HGF</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins, Predicted secreted proteins, RAS pathway related proteins	6	0.09	6	0.01	Non-differentially expressed genes	-0.49	0.010364389	0.013862312
<i>MUM1L1</i>	4. Others	Predicted intracellular proteins	9	0.13	9	0.02	Non-differentially expressed genes	0.78	0.013036554	0.017255012
<i>STC1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	6	0.01	Non-differentially	0.53	0.014546312	0.019149493

							expressed genes			
<i>MKX</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	12	0.02	Non-differentially expressed genes	0.66	0.014650784	0.019280209
<i>SULT2B1</i>	4. Others	Enzymes, Predicted intracellular proteins	3	0.04	6	0.01	Non-differentially expressed genes	-0.43	0.022477662	0.029043886
<i>DACT2</i>	4. Others	Predicted intracellular proteins	4	0.06	8	0.02	Non-differentially expressed genes	0.74	0.026111739	0.033498331
<i>VILL</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.06	18	0.03	Non-differentially expressed genes	0.53	0.029156052	0.037194665
<i>ARNT2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	4	0.06	7	0.01	Non-differentially expressed genes	-0.40	0.030086518	0.038316959
<i>NOG</i>	4. Others	Disease related genes, Predicted secreted proteins	3	0.04	11	0.02	Non-differentially expressed genes	0.53	0.034540298	0.043679092
<i>FGF18</i>	4. Others	Cancer-related genes, Predicted secreted proteins, RAS pathway related proteins	3	0.04	18	0.03	Non-differentially expressed genes	-0.48	0.039540306	0.049635348
<i>PRODH</i>	4. Others	Disease related genes, Enzymes, Mitochondrial proteins, Potential drug targets, Predicted intracellular proteins	8	0.12	6	0.01	Non-differentially expressed genes	0.54	0.039916392	0.050094786
<i>SNCAIP</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	11	0.02	Non-differentially expressed genes	-0.36	0.042306609	0.052956154

<i>IDO1</i>	4. Others	Cancer-related genes, Enzymes, Predicted intracellular proteins	8	0.12	11	0.02	Non-differentially expressed genes	0.48	0.044445811	0.055521848
<i>RIMKLA</i>	4. Others	Enzymes, Predicted intracellular proteins	3	0.04	8	0.02	Non-differentially expressed genes	-0.39	0.046036706	0.057388856
<i>GSTA1</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	3	0.04	11	0.02	Non-differentially expressed genes	0.69	0.051030104	0.063243018
<i>GREM2</i>	4. Others	Predicted secreted proteins	4	0.06	23	0.04	Non-differentially expressed genes	0.56	0.066937417	0.081713029
<i>C5</i>	4. Others	Disease related genes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	3	0.04	18	0.03	Non-differentially expressed genes	0.45	0.070647456	0.085988278
<i>ATP6VIB1</i>	4. Others	Disease related genes, Predicted intracellular proteins	3	0.04	22	0.04	Non-differentially expressed genes	0.49	0.077732051	0.094134285
<i>APOH</i>	4. Others	Candidate cardiovascular disease genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.04	10	0.02	Non-differentially expressed genes	0.63	0.08901597	0.106912487
<i>LGALS2</i>	4. Others	Predicted intracellular proteins	2	0.03	6	0.01	Non-differentially expressed genes	-0.37	0.096952988	0.115791568
<i>CACNB2</i>	4. Others	Disease related genes, FDA approved drug targets, Predicted intracellular proteins, Transporters	2	0.03	18	0.03	Non-differentially expressed genes	0.32	0.114466175	0.135222078
<i>PLA2G12B</i>	4. Others	Plasma proteins, Predicted secreted proteins, RAS pathway	2	0.03	7	0.01	Non-differentially	0.55	0.115033124	0.135837957

		related proteins					expressed genes			
<i>SPAG17</i>	4. Others	Predicted intracellular proteins	4	0.06	6	0.01	Non-differentially expressed genes	-0.39	0.121396378	0.142876266
<i>B3GNT7</i>	4. Others	Predicted secreted proteins	2	0.03	9	0.02	Non-differentially expressed genes	0.30	0.131181836	0.153628299
<i>HOXB5</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	13	0.03	Non-differentially expressed genes	0.31	0.131531156	0.154025279
<i>BSN</i>	4. Others	Plasma proteins, Predicted intracellular proteins	3	0.04	10	0.02	Non-differentially expressed genes	0.29	0.136347649	0.159339731
<i>CNTN1</i>	4. Others	Disease related genes, Plasma proteins, Predicted secreted proteins	3	0.04	19	0.04	Non-differentially expressed genes	-0.42	0.137495408	0.16056764
<i>PTN</i>	4. Others	Cancer-related genes, Predicted secreted proteins	9	0.13	16	0.03	Non-differentially expressed genes	-0.34	0.152879763	0.177337667
<i>EYAI</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	4	0.06	14	0.03	Non-differentially expressed genes	0.45	0.155391081	0.180138505
<i>CRMPI</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	4	0.06	16	0.03	Non-differentially expressed genes	-0.25	0.161983325	0.187255892
<i>CAPN9</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	13	0.03	Non-differentially expressed genes	-0.38	0.163563888	0.188980372

<i>COL12A1</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	13	0.03	Non-differentially expressed genes	0.31	0.165250369	0.190840086
<i>TNFRSF11B</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted secreted proteins	7	0.10	14	0.03	Non-differentially expressed genes	0.28	0.167291825	0.193077895
<i>CA8</i>	4. Others	Cancer-related genes, Disease related genes, Predicted intracellular proteins	2	0.03	11	0.02	Non-differentially expressed genes	0.37	0.17698539	0.20355575
<i>IQCD</i>	4. Others	Predicted intracellular proteins	2	0.03	7	0.01	Non-differentially expressed genes	0.22	0.178535176	0.205258945
<i>FGF9</i>	4. Others	Cancer-related genes, Disease related genes, Predicted intracellular proteins, RAS pathway related proteins	4	0.06	10	0.02	Non-differentially expressed genes	0.37	0.187868299	0.215373919
<i>SP6</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	14	0.03	Non-differentially expressed genes	0.27	0.20578499	0.234541658
<i>RBP1</i>	4. Others	Predicted intracellular proteins	7	0.10	15	0.03	Non-differentially expressed genes	-0.20	0.236053594	0.267098175
<i>COL4A6</i>	4. Others	Disease related genes, Predicted secreted proteins	5	0.07	27	0.05	Non-differentially expressed genes	-0.34	0.242216788	0.273552333
<i>SCUBE2</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.04	8	0.02	Non-differentially expressed genes	0.28	0.247784762	0.279225446
<i>GDF5</i>	4. Others	Disease related genes, Plasma	3	0.04	12	0.02	Non-	0.28	0.271710458	0.304552107

		proteins, Predicted secreted proteins					differentially expressed genes			
<i>NKD1</i>	4. Others	Predicted intracellular proteins	2	0.03	13	0.03	Non-differentially expressed genes	-0.27	0.286052982	0.319258622
<i>HES2</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	14	0.03	Non-differentially expressed genes	0.25	0.288085362	0.321382419
<i>DIRAS3</i>	4. Others	Predicted intracellular proteins	8	0.12	16	0.03	Non-differentially expressed genes	0.26	0.31025021	0.344021769
<i>HPGD</i>	4. Others	Cancer-related genes, Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	2	0.03	15	0.03	Non-differentially expressed genes	-0.23	0.353357633	0.388036811
<i>DLGAP1</i>	4. Others	Predicted intracellular proteins	4	0.06	15	0.03	Non-differentially expressed genes	0.27	0.374983917	0.409941678
<i>VGLL1</i>	4. Others	Predicted intracellular proteins	13	0.19	19	0.04	Non-differentially expressed genes	0.27	0.432585974	0.467763226
<i>FLNC</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	23	0.04	Non-differentially expressed genes	0.19	0.449241911	0.484577372
<i>OLFML3</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	8	0.12	9	0.02	Non-differentially expressed genes	-0.11	0.516036082	0.55135414
<i>CXCL5</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	9	0.13	15	0.03	Non-differentially expressed	-0.17	0.565886083	0.599967355

							genes			
<i>REC8</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	10	0.02	Non-differentially expressed genes	-0.11	0.579941004	0.613601973
<i>HOPX</i>	4. Others	Predicted intracellular proteins, Transcription factors	8	0.12	9	0.02	Non-differentially expressed genes	-0.11	0.588164829	0.621552458
<i>LPPR1</i>	4. Others		4	0.06	10	0.02	Non-differentially expressed genes	-0.13	0.630805028	0.662569947
<i>CITED4</i>	4. Others	Predicted intracellular proteins	2	0.03	6	0.01	Non-differentially expressed genes	-0.06	0.735952849	0.762366682
<i>KLK11</i>	4. Others	Cancer-related genes, Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.04	13	0.03	Non-differentially expressed genes	0.10	0.754094227	0.77915397
<i>NR0B2</i>	4. Others	Disease related genes, Nuclear receptors, Predicted intracellular proteins, Transcription factors	3	0.04	19	0.04	Non-differentially expressed genes	0.06	0.851211489	0.867937334
<i>ACTA1</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	8	0.02	#N/A	#N/A	#N/A	#N/A
<i>ARL9</i>	4. Others	Predicted intracellular proteins	2	0.03	6	0.01	#N/A	#N/A	#N/A	#N/A
<i>ATOH7</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>C19orf45</i>	4. Others	Predicted intracellular proteins	2	0.03	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>CADPS</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	29	0.06	#N/A	#N/A	#N/A	#N/A
<i>CPA6</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted	2	0.03	26	0.05	#N/A	#N/A	#N/A	#N/A

		secreted proteins							
<i>CR1L</i>	4. Others	Predicted secreted proteins	2	0.03	7	0.01	#N/A	#N/A	#N/A
<i>DPEP3</i>	4. Others	Enzymes, Predicted secreted proteins	2	0.03	12	0.02	#N/A	#N/A	#N/A
<i>EMID2</i>	4. Others	Predicted secreted proteins	2	0.03	14	0.03	#N/A	#N/A	#N/A
<i>EN1</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	19	0.04	#N/A	#N/A	#N/A
<i>FAM184B</i>	4. Others	Predicted intracellular proteins	2	0.03	15	0.03	#N/A	#N/A	#N/A
<i>FGF20</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, RAS pathway related proteins	2	0.03	10	0.02	#N/A	#N/A	#N/A
<i>FLG</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	6	0.01	#N/A	#N/A	#N/A
<i>GBX2</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	31	0.06	#N/A	#N/A	#N/A
<i>HIST1H3B</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	2	0.03	6	0.01	#N/A	#N/A	#N/A
<i>IFNE</i>	4. Others	Predicted secreted proteins	2	0.03	18	0.03	#N/A	#N/A	#N/A
<i>KRT78</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	15	0.03	#N/A	#N/A	#N/A
<i>LCN12</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	6	0.01	#N/A	#N/A	#N/A
<i>MMEL1</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	10	0.02	#N/A	#N/A	#N/A
<i>MYOM3</i>	4. Others	Predicted intracellular proteins	2	0.03	33	0.06	#N/A	#N/A	#N/A
<i>NKX2-3</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	18	0.03	#N/A	#N/A	#N/A
<i>NKX3-2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	14	0.03	#N/A	#N/A	#N/A
<i>NUDT11</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	15	0.03	#N/A	#N/A	#N/A
<i>NXPH1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	11	0.02	#N/A	#N/A	#N/A

<i>OOEP</i>	4. Others	Predicted intracellular proteins	2	0.03	36	0.07	#N/A	#N/A	#N/A	#N/A
<i>PPEF1</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	2	0.03	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>RAB3C</i>	4. Others	Predicted intracellular proteins	2	0.03	18	0.03	#N/A	#N/A	#N/A	#N/A
<i>RBM46</i>	4. Others	Predicted intracellular proteins	2	0.03	22	0.04	#N/A	#N/A	#N/A	#N/A
<i>SOX8</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	11	0.02	#N/A	#N/A	#N/A	#N/A
<i>SYCE2</i>	4. Others	Predicted intracellular proteins	2	0.03	6	0.01	#N/A	#N/A	#N/A	#N/A
<i>SYCP2L</i>	4. Others	Predicted intracellular proteins	2	0.03	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>TAF7L</i>	4. Others	Predicted intracellular proteins	2	0.03	31	0.06	#N/A	#N/A	#N/A	#N/A
<i>TCP11</i>	4. Others	Predicted intracellular proteins	2	0.03	35	0.07	#N/A	#N/A	#N/A	#N/A
<i>TPRXL</i>	4. Others	Predicted intracellular proteins	2	0.03	36	0.07	#N/A	#N/A	#N/A	#N/A
<i>AK5</i>	4. Others	Enzymes, Predicted intracellular proteins	3	0.04	26	0.05	#N/A	#N/A	#N/A	#N/A
<i>AKNAD1</i>	4. Others	Predicted intracellular proteins	3	0.04	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>ALX1</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	3	0.04	50	0.10	#N/A	#N/A	#N/A	#N/A
<i>ASB4</i>	4. Others	Predicted intracellular proteins	3	0.04	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>ATP6V1G2</i>	4. Others	Predicted intracellular proteins	3	0.04	6	0.01	#N/A	#N/A	#N/A	#N/A
<i>C10orf108</i>	4. Others	Predicted intracellular proteins	3	0.04	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>C14orf39</i>	4. Others	Plasma proteins, Predicted intracellular proteins	3	0.04	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>C6orf15</i>	4. Others	Predicted secreted proteins	3	0.04	40	0.08	#N/A	#N/A	#N/A	#N/A
<i>C8orf46</i>	4. Others	Predicted intracellular proteins	3	0.04	10	0.02	#N/A	#N/A	#N/A	#N/A
<i>CAPNS2</i>	4. Others	Predicted intracellular proteins	3	0.04	44	0.09	#N/A	#N/A	#N/A	#N/A
<i>CBLN1</i>	4. Others	Predicted secreted proteins	3	0.04	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>CDX2</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Transcription factors	3	0.04	38	0.07	#N/A	#N/A	#N/A	#N/A
<i>CYP2C9</i>	4. Others	Enzymes, Predicted secreted proteins	3	0.04	35	0.07	#N/A	#N/A	#N/A	#N/A

<i>DLX1</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>DLX2</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	19	0.04	#N/A	#N/A	#N/A	#N/A
<i>DMRT3</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	23	0.04	#N/A	#N/A	#N/A	#N/A
<i>DQX1</i>	4. Others	Enzymes, Predicted intracellular proteins	3	0.04	38	0.07	#N/A	#N/A	#N/A	#N/A
<i>GYS2</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	3	0.04	15	0.03	#N/A	#N/A	#N/A	#N/A
<i>HES7</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	3	0.04	19	0.04	#N/A	#N/A	#N/A	#N/A
<i>KLK1</i>	4. Others	Enzymes, Predicted secreted proteins	3	0.04	22	0.04	#N/A	#N/A	#N/A	#N/A
<i>KRTAP3-1</i>	4. Others	Predicted intracellular proteins	3	0.04	34	0.07	#N/A	#N/A	#N/A	#N/A
<i>MYPN</i>	4. Others	Disease related genes, Predicted intracellular proteins	3	0.04	25	0.05	#N/A	#N/A	#N/A	#N/A
<i>NLRP11</i>	4. Others	Predicted intracellular proteins	3	0.04	41	0.08	#N/A	#N/A	#N/A	#N/A
<i>NTF3</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	3	0.04	6	0.01	#N/A	#N/A	#N/A	#N/A
<i>PHF21B</i>	4. Others	Predicted intracellular proteins	3	0.04	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>RAB3B</i>	4. Others	Predicted intracellular proteins	3	0.04	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>S100A5</i>	4. Others	Predicted intracellular proteins	3	0.04	33	0.06	#N/A	#N/A	#N/A	#N/A
<i>SMPX</i>	4. Others	Disease related genes, Predicted intracellular proteins	3	0.04	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>SPINK2</i>	4. Others	Predicted secreted proteins	3	0.04	13	0.03	#N/A	#N/A	#N/A	#N/A
<i>TFAP2D</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.04	34	0.07	#N/A	#N/A	#N/A	#N/A
<i>BBOX1</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.06	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>CYP2C8</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins,	4	0.06	10	0.02	#N/A	#N/A	#N/A	#N/A

		Predicted secreted proteins								
<i>ELAVL4</i>	4. Others	Predicted intracellular proteins	4	0.06	18	0.03	#N/A	#N/A	#N/A	#N/A
<i>FTCD</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	4	0.06	22	0.04	#N/A	#N/A	#N/A	#N/A
<i>ISL1</i>	4. Others	Predicted intracellular proteins, Transcription factors	4	0.06	47	0.09	#N/A	#N/A	#N/A	#N/A
<i>PF4V1</i>	4. Others	Plasma proteins, Predicted secreted proteins	4	0.06	30	0.06	#N/A	#N/A	#N/A	#N/A
<i>PIWIL1</i>	4. Others	Predicted intracellular proteins	4	0.06	47	0.09	#N/A	#N/A	#N/A	#N/A
<i>RGS7</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.06	35	0.07	#N/A	#N/A	#N/A	#N/A
<i>SOX30</i>	4. Others	Predicted intracellular proteins, Transcription factors	4	0.06	32	0.06	#N/A	#N/A	#N/A	#N/A
<i>TH</i>	4. Others	Disease related genes, Enzymes, FDA approved drug targets, Predicted intracellular proteins	4	0.06	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>TUBAL3</i>	4. Others	Predicted intracellular proteins	4	0.06	11	0.02	#N/A	#N/A	#N/A	#N/A
<i>WNT6</i>	4. Others	Predicted secreted proteins	4	0.06	11	0.02	#N/A	#N/A	#N/A	#N/A
<i>APOBEC1</i>	4. Others	Predicted intracellular proteins	5	0.07	41	0.08	#N/A	#N/A	#N/A	#N/A
<i>C14orf105</i>	4. Others	Predicted intracellular proteins	5	0.07	48	0.09	#N/A	#N/A	#N/A	#N/A
<i>C4orf26</i>	4. Others	Disease related genes, Predicted secreted proteins	5	0.07	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>CALCB</i>	4. Others	Plasma proteins, Predicted secreted proteins	5	0.07	49	0.09	#N/A	#N/A	#N/A	#N/A
<i>CAPN14</i>	4. Others	Enzymes, Predicted intracellular proteins	5	0.07	19	0.04	#N/A	#N/A	#N/A	#N/A
<i>CREG2</i>	4. Others	Predicted secreted proteins	5	0.07	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>CSRNP3</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>CYP26A1</i>	4. Others	Predicted intracellular proteins	5	0.07	33	0.06	#N/A	#N/A	#N/A	#N/A
<i>DIRAS2</i>	4. Others	Predicted intracellular proteins	5	0.07	21	0.04	#N/A	#N/A	#N/A	#N/A
<i>FGF5</i>	4. Others	Predicted secreted proteins, RAS	5	0.07	29	0.06	#N/A	#N/A	#N/A	#N/A

		pathway related proteins								
<i>HBE1</i>	4. Others	Plasma proteins, Predicted intracellular proteins	5	0.07	43	0.08	#N/A	#N/A	#N/A	#N/A
<i>KISS1</i>	4. Others	Cancer-related genes, Disease related genes, Predicted secreted proteins	5	0.07	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>POU4F1</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.07	12	0.02	#N/A	#N/A	#N/A	#N/A
<i>SIX3</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	5	0.07	28	0.05	#N/A	#N/A	#N/A	#N/A
<i>SPINK13</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.07	32	0.06	#N/A	#N/A	#N/A	#N/A
<i>UTS2</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.07	32	0.06	#N/A	#N/A	#N/A	#N/A
<i>BEGAIN</i>	4. Others	Predicted intracellular proteins	6	0.09	11	0.02	#N/A	#N/A	#N/A	#N/A
<i>CCDC160</i>	4. Others	Predicted intracellular proteins	6	0.09	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>IL24</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	6	0.09	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>KHDC1L</i>	4. Others	Predicted intracellular proteins	6	0.09	45	0.09	#N/A	#N/A	#N/A	#N/A
<i>NEFL</i>	4. Others	Disease related genes, Predicted intracellular proteins	6	0.09	40	0.08	#N/A	#N/A	#N/A	#N/A
<i>OLIG1</i>	4. Others	Predicted intracellular proteins, Transcription factors	6	0.09	23	0.04	#N/A	#N/A	#N/A	#N/A
<i>TINAG</i>	4. Others	Enzymes, Predicted intracellular proteins	6	0.09	61	0.12	#N/A	#N/A	#N/A	#N/A
<i>C16orf73</i>	4. Others	Predicted intracellular proteins	7	0.10	58	0.11	#N/A	#N/A	#N/A	#N/A
<i>DCAF12L2</i>	4. Others	Predicted intracellular proteins	7	0.10	12	0.02	#N/A	#N/A	#N/A	#N/A
<i>SHC4</i>	4. Others	Predicted intracellular proteins, RAS pathway related proteins	7	0.10	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>TMEM155</i>	4. Others	Predicted secreted proteins	7	0.10	6	0.01	#N/A	#N/A	#N/A	#N/A
<i>INHBE</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	8	0.12	30	0.06	#N/A	#N/A	#N/A	#N/A

<i>NEFM</i>	4. Others	Plasma proteins, Predicted intracellular proteins	9	0.13	39	0.08	#N/A	#N/A	#N/A	#N/A
<i>ZNF804A</i>	4. Others	Predicted intracellular proteins	10	0.15	9	0.02	#N/A	#N/A	#N/A	#N/A
<i>ELAVL2</i>	4. Others	Predicted intracellular proteins	12	0.18	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>UCA1</i>	5. ncRNA		2	0.03	46	0.09	Upregulated DEGs	6.02	1.56E-21	8.75E-21
<i>LOC145837</i>	5. ncRNA		9	0.13	29	0.06	Upregulated DEGs	4.20	1.14E-18	5.2E-18
<i>LOC254559</i>	5. ncRNA		2	0.03	29	0.06	Upregulated DEGs	2.79	3.24E-15	1.16E-14
<i>MEG3</i>	5. ncRNA		4	0.06	26	0.05	Upregulated DEGs	2.75	7.26E-13	2.19E-12
<i>H19</i>	5. ncRNA		6	0.09	47	0.09	Upregulated DEGs	3.58	1.03E-12	3.06E-12
<i>MIAT</i>	5. ncRNA		3	0.04	10	0.02	Upregulated DEGs	1.82	1.14E-11	3.18E-11
<i>LOC255167</i>	5. ncRNA		2	0.03	8	0.02	Upregulated DEGs	1.33	0.00000807	0.0000143
<i>C5orf27</i>	5. ncRNA		2	0.03	12	0.02	#N/A	#N/A	#N/A	#N/A
<i>C8orf75</i>	5. ncRNA		2	0.03	13	0.03	#N/A	#N/A	#N/A	#N/A
<i>LOC152225</i>	5. ncRNA		3	0.04	14	0.03	#N/A	#N/A	#N/A	#N/A
<i>LOC285548</i>	5. ncRNA		3	0.04	21	0.04	#N/A	#N/A	#N/A	#N/A
<i>PSORS1C3</i>	5. ncRNA		3	0.04	16	0.03	#N/A	#N/A	#N/A	#N/A
<i>MGC16121</i>	5. ncRNA		4	0.06	7	0.01	#N/A	#N/A	#N/A	#N/A
<i>HAR1A</i>	5. ncRNA		6	0.09	12	0.02	#N/A	#N/A	#N/A	#N/A
<i>LOC100127888</i>	5. ncRNA		6	0.09	15	0.03	#N/A	#N/A	#N/A	#N/A
<i>TCAM1P</i>	6. pseudo		5	0.07	40	0.08	Upregulated DEGs	4.66	1.29E-17	5.51E-17
<i>CYP2B7P1</i>	6. pseudo		5	0.07	8	0.02	Non-differentially expressed genes	-0.08	0.767896942	0.792096493
<i>LOC440356</i>	6. pseudo		2	0.03	20	0.04	#N/A	#N/A	#N/A	#N/A

<i>ABCA17P</i>	6. pseudo		3	0.04	27	0.05	#N/A	#N/A	#N/A	#N/A
<i>MYH16</i>	6. pseudo		3	0.04	20	0.04	#N/A	#N/A	#N/A	#N/A
<i>LOC441601</i>	6. pseudo		4	0.06	17	0.03	#N/A	#N/A	#N/A	#N/A
<i>PP14571</i>	7. no found		13	0.19	8	0.02	#N/A	#N/A	#N/A	#N/A

## 2) Breast cancer

Gene	Outlier types	Protein class from Protein Atlas database	CCLE		TCGA		DEGs analysis			
			OL≥7, mZ≥10		OL≥7, mZ≥10		p-value <0.05, FDR <0.01, FC > 2			
			No.	Frequency	No.	Frequency	DEGs	logFC	P_Value	FDR(False Discovery Rate)
<i>BMPR1B</i>	1. Kinase, Predicted membrane proteins	CD markers, Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	12	0.01	Upregulated DEGs	4.16	2.99E-32	1.64E-31
<i>ERBB2</i>	1. Kinase, Predicted membrane proteins	Cancer-related genes, CD markers, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	5	0.09	80	0.07	Upregulated DEGs	1.80	5.97E-22	2.13E-21
<i>FGFR4</i>	1. Kinase, Predicted membrane proteins	Cancer-related genes, CD markers, Enzymes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins, RAS pathway related proteins	3	0.05	36	0.03	Upregulated DEGs	1.73	2.48E-14	6.28E-14
<i>EPHB6</i>	1. Kinase, Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	6	0.10	24	0.02	Non-differentially expressed genes	-0.89	5.93E-09	1.15E-08
<i>FLT3</i>	1. Kinase, Predicted	Cancer-related genes, CD markers, Disease related genes,	3	0.05	13	0.01	Upregulated DEGs	1.32	8.38E-09	1.61E-08

	membrane proteins	Enzymes, FDA approved drug targets, Predicted membrane proteins								
<i>NRK</i>	1. Kinase, Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	6	0.10	22	0.02	Non-differentially expressed genes	0.52	0.005145667	0.006768436
<i>DCLK1</i>	1. Kinase, Predicted membrane proteins	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	4	0.07	33	0.03	Non-differentially expressed genes	-0.30	0.072114691	0.085523498
<i>MYT1</i>	2. Kinase	Plasma proteins, Predicted intracellular proteins, Transcription factors	2	0.03	57	0.05	Upregulated DEGs	4.79	1.09E-37	7.12E-37
<i>MYO3B</i>	2. Kinase	Enzymes, Predicted intracellular proteins	3	0.05	70	0.06	Upregulated DEGs	3.77	8.18E-24	3.16E-23
<i>TEX14</i>	2. Kinase	Enzymes, Predicted intracellular proteins	3	0.05	52	0.05	Upregulated DEGs	2.69	4.96E-22	1.78E-21
<i>LRRK2</i>	2. Kinase	Cancer-related genes, Disease related genes, Enzymes, Mitochondrial proteins, Potential drug targets, Predicted intracellular proteins	4	0.07	11	0.01	Non-differentially expressed genes	-0.84	7.39E-12	1.66E-11
<i>CDK12</i>	2. Kinase	Cancer-related genes, Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	4	0.07	38	0.03	Non-differentially expressed genes	0.55	0.000000109	0.000000197
<i>WNK3</i>	2. Kinase	Enzymes, Predicted intracellular proteins	3	0.05	21	0.02	Non-differentially expressed genes	-0.43	0.008262977	0.010685119
<i>RPS6KB1</i>	2. Kinase	Enzymes, Plasma proteins, Predicted intracellular proteins	3	0.05	22	0.02	Non-differentially expressed genes	0.23	0.008634444	0.011146119
<i>BRDT</i>	2. Kinase	Predicted intracellular proteins	2	0.03	64	0.06	#N/A	#N/A	#N/A	#N/A
<i>BOC</i>	3. Predicted membrane	Predicted intracellular proteins, Predicted membrane proteins,	4	0.07	13	0.01	Downregulated DEGs	-1.61	3.35E-50	3.24E-49

	proteins	Predicted secreted proteins								
<i>RAMP1</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins	3	0.05	22	0.02	Upregulated DEGs	2.88	7.13E-39	4.84E-38
<i>KISS1R</i>	3. Predicted membrane proteins	Disease related genes, G-protein coupled receptors, Potential drug targets, Predicted membrane proteins, Transporters	7	0.12	37	0.03	Upregulated DEGs	4.27	2.72E-36	1.69E-35
<i>ATG9B</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	24	0.02	Upregulated DEGs	2.20	3.12E-35	1.87E-34
<i>CA9</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins, Predicted secreted proteins	6	0.10	120	0.11	Upregulated DEGs	6.11	5.34E-32	2.89E-31
<i>SEMA6A</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.05	11	0.01	Downregulated DEGs	-1.34	8.58E-32	4.59E-31
<i>CEACAM6</i>	3. Predicted membrane proteins	Cancer-related genes, CD markers, Predicted intracellular proteins, Predicted membrane proteins	10	0.17	50	0.05	Upregulated DEGs	4.20	6.86E-31	3.55E-30
<i>NELL2</i>	3. Predicted membrane proteins	Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.05	38	0.03	Upregulated DEGs	3.23	9.63E-31	4.95E-30
<i>CLDN9</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	28	0.03	Upregulated DEGs	2.63	1.51E-30	7.71E-30
<i>UMODL1</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	32	0.03	Upregulated DEGs	3.04	1.37E-29	6.69E-29
<i>TYRP1</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins, Predicted secreted proteins	8	0.14	89	0.08	Upregulated DEGs	4.58	1.59E-28	7.45E-28
<i>KCNE4</i>	3. Predicted membrane proteins	Predicted membrane proteins	11	0.19	26	0.02	Upregulated DEGs	2.55	6.34E-27	2.8E-26
<i>DIO1</i>	3. Predicted	Enzymes, Predicted intracellular	10	0.17	40	0.04	Upregulated	3.58	1.89E-26	8.19E-26

	membrane proteins	proteins, Predicted membrane proteins					DEGs			
<i>CHRNA9</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	97	0.09	Upregulated DEGs	6.98	4.8E-26	2.05E-25
<i>LETM2</i>	3. Predicted membrane proteins	Mitochondrial proteins, Predicted intracellular proteins, Predicted membrane proteins	3	0.05	25	0.02	Upregulated DEGs	1.72	3.63E-25	1.49E-24
<i>FXYD6</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	5	0.09	18	0.02	Non-differentially expressed genes	-0.99	1.69E-24	6.75E-24
<i>KCNJ3</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	4	0.07	89	0.08	Upregulated DEGs	5.12	3.59E-24	1.41E-23
<i>JPH3</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	3	0.05	52	0.05	Upregulated DEGs	2.42	6.29E-24	2.45E-23
<i>IFI27</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	5	0.09	22	0.02	Upregulated DEGs	1.91	3.12E-23	1.18E-22
<i>KCNH2</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Plasma proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	2	0.03	56	0.05	Upregulated DEGs	2.44	1.12E-22	4.15E-22
<i>UNC5A</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	17	0.02	Upregulated DEGs	2.35	5.52E-22	1.97E-21
<i>SSTR2</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	6	0.10	42	0.04	Upregulated DEGs	1.99	3.98E-20	1.32E-19
<i>SLC2A12</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.07	27	0.02	Downregulated DEGs	-1.05	6.07E-20	1.99E-19
<i>SLC1A1</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	43	0.04	Upregulated DEGs	2.27	1.36E-19	4.39E-19

<i>ROBO2</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	4	0.07	61	0.06	Upregulated DEGs	2.96	1.97E-19	6.33E-19
<i>KIAA1644</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.12	20	0.02	Upregulated DEGs	1.67	2.4E-19	7.68E-19
<i>CLEC7A</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	20	0.02	Upregulated DEGs	1.32	3.49E-19	1.11E-18
<i>LAMP3</i>	3. Predicted membrane proteins	CD markers, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.07	24	0.02	Upregulated DEGs	1.83	5.15E-19	1.62E-18
<i>STARD3</i>	3. Predicted membrane proteins	Cancer-related genes, Predicted membrane proteins, Transporters	4	0.07	73	0.07	Upregulated DEGs	1.23	1.73E-18	5.35E-18
<i>PGAP3</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	7	0.12	72	0.07	Upregulated DEGs	1.31	1E-17	2.98E-17
<i>GABBR2</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins, Transporters	2	0.03	155	0.14	Upregulated DEGs	3.94	4.14E-17	1.19E-16
<i>TMEM158</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.12	29	0.03	Upregulated DEGs	1.55	1.25E-16	3.54E-16
<i>SIRPG</i>	3. Predicted membrane proteins	CD markers, Predicted membrane proteins	2	0.03	12	0.01	Upregulated DEGs	1.62	3.45E-16	9.56E-16
<i>UPK1A</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.12	95	0.09	Upregulated DEGs	2.91	6.81E-16	1.86E-15
<i>SLTRK6</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	4	0.07	57	0.05	Upregulated DEGs	2.43	1.05E-15	2.82E-15
<i>FAM155A</i>	3. Predicted	Predicted membrane proteins	2	0.03	16	0.01	Upregulated	1.50	4.36E-15	1.15E-14

	membrane proteins						DEGs			
<i>ACSL6</i>	3. Predicted membrane proteins	Cancer-related genes, Disease related genes, Enzymes, Mitochondrial proteins, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	53	0.05	Upregulated DEGs	1.72	5.35E-15	1.4E-14
<i>CYP39A1</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	3	0.05	11	0.01	Downregulated DEGs	-1.26	5.35E-15	1.4E-14
<i>NLGN4X</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	2	0.03	18	0.02	Downregulated DEGs	-1.17	1.1E-14	2.84E-14
<i>KCNQ3</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted membrane proteins, Transporters, Voltage-gated ion channels	2	0.03	19	0.02	Upregulated DEGs	1.23	7.64E-14	1.9E-13
<i>MOXD1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	7	0.12	13	0.01	Upregulated DEGs	1.11	9.08E-14	2.25E-13
<i>ST8SIA1</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	5	0.09	12	0.01	Downregulated DEGs	-1.00	1.07E-13	2.63E-13
<i>OSTalpha</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins, Transporters	3	0.05	33	0.03	Upregulated DEGs	1.13	2.65E-13	6.42E-13
<i>MED24</i>	3. Predicted membrane proteins	Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	6	0.10	46	0.04	Non-differentially expressed genes	0.77	3.88E-13	9.3E-13
<i>GP2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.07	46	0.04	Upregulated DEGs	2.62	8.67E-13	2.04E-12
<i>NCAM2</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	2	0.03	11	0.01	Upregulated DEGs	1.50	2.47E-12	5.69E-12

<i>MRAP2</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	2	0.03	19	0.02	Downregulated DEGs	-1.13	3.36E-12	7.68E-12
<i>CEACAM7</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	4	0.07	45	0.04	Upregulated DEGs	1.95	3.58E-12	8.17E-12
<i>TMEM86A</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	15	0.01	Non-differentially expressed genes	0.83	5.09E-12	1.15E-11
<i>SLC1A6</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transporters	5	0.09	122	0.11	Upregulated DEGs	4.15	1.27E-11	2.81E-11
<i>ADCY5</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins	5	0.09	15	0.01	Downregulated DEGs	-1.21	1.68E-11	3.72E-11
<i>NFASC</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	7	0.12	13	0.01	Non-differentially expressed genes	-0.95	2.03E-11	4.47E-11
<i>EMR1</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted intracellular proteins, Predicted membrane proteins, Transporters	5	0.09	14	0.01	Non-differentially expressed genes	0.97	2.19E-11	4.8E-11
<i>P2RY10</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	3	0.05	13	0.01	Upregulated DEGs	1.23	2.57E-11	5.63E-11
<i>ELOVL2</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	6	0.10	13	0.01	Upregulated DEGs	1.62	5.15E-11	1.11E-10
<i>PTPRN2</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	6	0.10	47	0.04	Upregulated DEGs	1.47	7.49E-11	1.6E-10
<i>SUSD2</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	20	0.02	Upregulated DEGs	1.07	1.5E-10	3.16E-10
<i>IL12RB2</i>	3. Predicted	Predicted intracellular proteins,	2	0.03	88	0.08	Upregulated	1.66	9.95E-10	0.000000002

	membrane proteins	Predicted membrane proteins, Predicted secreted proteins					DEGs			
<i>LYNX1</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins, Transporters	2	0.03	12	0.01	Non-differentially expressed genes	-0.82	2.81E-09	5.52E-09
<i>NPY1R</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted intracellular proteins, Predicted membrane proteins	7	0.12	91	0.08	Upregulated DEGs	1.72	3.25E-08	6.05E-08
<i>SLC37A2</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transporters	2	0.03	20	0.02	Non-differentially expressed genes	0.69	5.01E-08	9.21E-08
<i>C1orf186</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	59	0.05	Upregulated DEGs	1.41	0.000000108	0.000000196
<i>KCNK5</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters, Voltage-gated ion channels	3	0.05	42	0.04	Upregulated DEGs	1.07	0.000000126	0.000000226
<i>GJB3</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	9	0.16	66	0.06	Upregulated DEGs	1.39	0.000000207	0.000000365
<i>ATRN1</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	59	0.05	Upregulated DEGs	1.36	0.000000404	0.000000701
<i>C11orf41</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	18	0.02	Non-differentially expressed genes	0.71	0.000000712	0.00000122
<i>IL1R2</i>	3. Predicted membrane proteins	Cancer-related genes, CD markers, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.05	25	0.02	Upregulated DEGs	1.18	0.000000773	0.00000132
<i>UNC5C</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.05	16	0.01	Non-differentially expressed genes	-0.73	0.000000889	0.00000151
<i>GJA1</i>	3. Predicted	Cancer-related genes, Disease	12	0.21	33	0.03	Non-	0.82	0.000000905	0.00000154

	membrane proteins	related genes, Predicted membrane proteins					differentially expressed genes			
<i>PCDHB6</i>	3. Predicted membrane proteins	Predicted membrane proteins	6	0.10	31	0.03	Non-differentially expressed genes	-0.71	0.00000164	0.00000274
<i>TMC8</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted intracellular proteins, Predicted membrane proteins, Transporters	2	0.03	11	0.01	Non-differentially expressed genes	0.62	0.00000267	0.00000441
<i>GRPR</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	5	0.09	15	0.01	Upregulated DEGs	1.22	0.00000527	0.00000856
<i>MAOB</i>	3. Predicted membrane proteins	Enzymes, FDA approved drug targets, Mitochondrial proteins, Predicted membrane proteins	4	0.07	16	0.01	Non-differentially expressed genes	-0.76	0.0000127	0.0000201
<i>SHISA2</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	35	0.03	Non-differentially expressed genes	1.00	0.000014	0.0000221
<i>MS4A7</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	6	0.10	22	0.02	Non-differentially expressed genes	0.65	0.0000179	0.000028
<i>TMEM156</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.07	34	0.03	Non-differentially expressed genes	0.79	0.0000254	0.0000393
<i>TMEM40</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	18	0.02	Upregulated DEGs	1.03	0.0000273	0.0000422
<i>TMEM27</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.07	13	0.01	Non-differentially expressed genes	-0.50	0.0000394	0.0000603
<i>CYP4Z1</i>	3. Predicted	Enzymes, Predicted membrane	8	0.14	67	0.06	Upregulated	1.32	0.0000863	0.000129182

	membrane proteins	proteins					DEGs			
<i>ACER3</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	13	0.01	Non-differentially expressed genes	-0.36	0.000128208	0.000189481
<i>PCDH20</i>	3. Predicted membrane proteins	Predicted membrane proteins	7	0.12	24	0.02	Non-differentially expressed genes	0.78	0.000254807	0.000369148
<i>STEAP4</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	10	0.17	44	0.04	Non-differentially expressed genes	-0.64	0.00026584	0.000384833
<i>CPT1C</i>	3. Predicted membrane proteins	Enzymes, Mitochondrial proteins, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	13	0.01	Non-differentially expressed genes	0.40	0.000457699	0.000651424
<i>PDZK1IP1</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.07	16	0.01	Non-differentially expressed genes	0.63	0.000950924	0.001320969
<i>PROM1</i>	3. Predicted membrane proteins	CD markers, Disease related genes, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	3	0.05	24	0.02	Non-differentially expressed genes	-0.72	0.001174615	0.001619023
<i>CECR6</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	33	0.03	Non-differentially expressed genes	0.45	0.001228634	0.001690663
<i>PCDHB8</i>	3. Predicted membrane proteins	Predicted membrane proteins	4	0.07	28	0.03	Non-differentially expressed genes	0.56	0.001424817	0.001951246
<i>PCDHB5</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	9	0.16	52	0.05	Non-differentially expressed	-0.49	0.001895427	0.002572081

							genes			
							Non-differentially expressed genes			
<i>LRAT</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted membrane proteins, Predicted secreted proteins	3	0.05	11	0.01	Non-differentially expressed genes	-0.55	0.002188283	0.002955214
<i>GABRB3</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins	5	0.09	26	0.02	Non-differentially expressed genes	0.77	0.002420767	0.003259129
<i>WNT10A</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	5	0.09	33	0.03	Non-differentially expressed genes	0.55	0.002946168	0.003942961
<i>SCNN1G</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted membrane proteins, Transporters	7	0.12	25	0.02	Non-differentially expressed genes	0.64	0.003427524	0.00456666
<i>RNF182</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	4	0.07	93	0.08	Non-differentially expressed genes	0.61	0.007352596	0.009552666
<i>IGDCC3</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	36	0.03	Non-differentially expressed genes	0.69	0.010742778	0.013754487
<i>MAL</i>	3. Predicted membrane proteins	Predicted membrane proteins	8	0.14	29	0.03	Non-differentially expressed genes	0.52	0.01195012	0.015230906
<i>RNF183</i>	3. Predicted membrane proteins	Predicted membrane proteins	5	0.09	35	0.03	Non-differentially expressed genes	0.51	0.029364251	0.036076703
<i>PCDH19</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	3	0.05	46	0.04	Non-differentially expressed genes	-0.40	0.030449229	0.037357309
<i>ABCA4</i>	3. Predicted	Disease related genes, Plasma	5	0.09	32	0.03	Non-	0.43	0.033311107	0.040714182

	membrane proteins	proteins, Potential drug targets, Predicted membrane proteins, Transporters					differentially expressed genes			
<i>PCDHB3</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	6	0.10	46	0.04	Non-differentially expressed genes	-0.30	0.048498774	0.058357618
<i>GJB5</i>	3. Predicted membrane proteins	Cancer-related genes, Predicted membrane proteins	8	0.14	39	0.04	Non-differentially expressed genes	0.40	0.078196972	0.092390917
<i>KCND2</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins, Transporters, Voltage-gated ion channels	4	0.07	20	0.02	Non-differentially expressed genes	0.29	0.085451122	0.100531128
<i>WDR17</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	18	0.02	Non-differentially expressed genes	-0.34	0.085625128	0.100727886
<i>NAV3</i>	3. Predicted membrane proteins	Cancer-related genes, Disease related genes, Predicted intracellular proteins, Predicted membrane proteins	8	0.14	32	0.03	Non-differentially expressed genes	-0.29	0.107197065	0.124793707
<i>NRXN3</i>	3. Predicted membrane proteins	Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	23	0.02	Non-differentially expressed genes	0.27	0.113684985	0.1320679
<i>DSCAML1</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	2	0.03	41	0.04	Non-differentially expressed genes	0.30	0.16177104	0.18467393
<i>TMEM176A</i>	3. Predicted membrane proteins	Predicted membrane proteins	6	0.10	12	0.01	Non-differentially expressed genes	0.17	0.184210729	0.208786179
<i>BAII</i>	3. Predicted membrane	Cancer-related genes, G-protein coupled receptors, Plasma	2	0.03	23	0.02	Non-differentially	-0.18	0.325770195	0.35637546

	proteins	proteins, Predicted membrane proteins					expressed genes			
<i>DUOX1</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins, Predicted secreted proteins, Transporters	3	0.05	15	0.01	Non-differentially expressed genes	-0.16	0.329733864	0.360552602
<i>TMEM61</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	13	0.01	Non-differentially expressed genes	-0.14	0.365712998	0.396864156
<i>FZD10</i>	3. Predicted membrane proteins	CD markers, G-protein coupled receptors, Predicted intracellular proteins, Predicted membrane proteins	6	0.10	29	0.03	Non-differentially expressed genes	0.14	0.372432207	0.403479512
<i>FAM3B</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	6	0.10	64	0.06	Non-differentially expressed genes	-0.18	0.447096533	0.478210907
<i>LSAMP</i>	3. Predicted membrane proteins	Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	4	0.07	14	0.01	Non-differentially expressed genes	-0.12	0.489147003	0.520267771
<i>FLRT3</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins	2	0.03	21	0.02	Non-differentially expressed genes	0.13	0.494417102	0.525390932
<i>PTGER2</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	3	0.05	28	0.03	Non-differentially expressed genes	-0.10	0.519269145	0.549681951
<i>LRP2</i>	3. Predicted membrane proteins	Disease related genes, Plasma proteins, Predicted membrane proteins, Predicted secreted proteins	8	0.14	22	0.02	Non-differentially expressed genes	0.15	0.533971108	0.563882274
<i>SCNN1B</i>	3. Predicted membrane proteins	Disease related genes, FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins, Transporters	2	0.03	23	0.02	Non-differentially expressed genes	0.09	0.615544899	0.643636184

<i>ADRA2C</i>	3. Predicted membrane proteins	FDA approved drug targets, G-protein coupled receptors, Predicted membrane proteins	2	0.03	11	0.01	Non-differentially expressed genes	0.06	0.732966646	0.755594397
<i>FZD8</i>	3. Predicted membrane proteins	G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	2	0.03	19	0.02	Non-differentially expressed genes	-0.03	0.827646416	0.843851447
<i>MEGF10</i>	3. Predicted membrane proteins	Disease related genes, Predicted membrane proteins, Predicted secreted proteins	2	0.03	40	0.04	Non-differentially expressed genes	-0.04	0.832055339	0.848056404
<i>CYP4B1</i>	3. Predicted membrane proteins	Enzymes, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	36	0.03	Non-differentially expressed genes	0.04	0.854218619	0.868743369
<i>TPCN2</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters, Voltage-gated ion channels	2	0.03	13	0.01	Non-differentially expressed genes	0.00	0.996801293	0.99727003
<i>CDH26</i>	3. Predicted membrane proteins	Plasma proteins, Predicted intracellular proteins, Predicted membrane proteins	2	0.03	30	0.03	#N/A	#N/A	#N/A	#N/A
<i>CDH7</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	76	0.07	#N/A	#N/A	#N/A	#N/A
<i>DUOX2</i>	3. Predicted membrane proteins	Disease related genes, Enzymes, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	36	0.03	#N/A	#N/A	#N/A	#N/A
<i>GJA3</i>	3. Predicted membrane proteins	Disease related genes, Potential drug targets, Predicted membrane proteins, Transporters	2	0.03	18	0.02	#N/A	#N/A	#N/A	#N/A
<i>KLRC3</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	31	0.03	#N/A	#N/A	#N/A	#N/A
<i>NOX5</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	16	0.01	#N/A	#N/A	#N/A	#N/A

<i>PCDHA9</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins	2	0.03	18	0.02	#N/A	#N/A	#N/A	#N/A
<i>SLC38A11</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	2	0.03	12	0.01	#N/A	#N/A	#N/A	#N/A
<i>SOAT2</i>	3. Predicted membrane proteins	Enzymes, Predicted membrane proteins	2	0.03	18	0.02	#N/A	#N/A	#N/A	#N/A
<i>UPK2</i>	3. Predicted membrane proteins	Predicted membrane proteins	2	0.03	39	0.04	#N/A	#N/A	#N/A	#N/A
<i>CCKBR</i>	3. Predicted membrane proteins	Cancer-related genes, FDA approved drug targets, G-protein coupled receptors, Predicted intracellular proteins, Predicted membrane proteins	3	0.05	116	0.11	#N/A	#N/A	#N/A	#N/A
<i>IL19</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	3	0.05	84	0.08	#N/A	#N/A	#N/A	#N/A
<i>KCNK12</i>	3. Predicted membrane proteins	Predicted membrane proteins, Voltage-gated ion channels	3	0.05	26	0.02	#N/A	#N/A	#N/A	#N/A
<i>SLC12A5</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted membrane proteins, Transporters	3	0.05	42	0.04	#N/A	#N/A	#N/A	#N/A
<i>SLC39A2</i>	3. Predicted membrane proteins	Predicted membrane proteins	3	0.05	23	0.02	#N/A	#N/A	#N/A	#N/A
<i>SLC6A16</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins, Transporters	3	0.05	13	0.01	#N/A	#N/A	#N/A	#N/A
<i>UPK3B</i>	3. Predicted membrane proteins	Predicted membrane proteins, Predicted secreted proteins	3	0.05	38	0.03	#N/A	#N/A	#N/A	#N/A
<i>CALHM3</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	4	0.07	25	0.02	#N/A	#N/A	#N/A	#N/A

<i>CCR10</i>	3. Predicted membrane proteins	Cancer-related genes, G-protein coupled receptors, Plasma proteins, Predicted membrane proteins	4	0.07	11	0.01	#N/A	#N/A	#N/A	#N/A
<i>GABRA5</i>	3. Predicted membrane proteins	FDA approved drug targets, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	4	0.07	80	0.07	#N/A	#N/A	#N/A	#N/A
<i>GPR115</i>	3. Predicted membrane proteins	G-protein coupled receptors, Predicted membrane proteins	4	0.07	55	0.05	#N/A	#N/A	#N/A	#N/A
<i>GRIK2</i>	3. Predicted membrane proteins	Disease related genes, Predicted intracellular proteins, Predicted membrane proteins, Predicted secreted proteins	5	0.09	34	0.03	#N/A	#N/A	#N/A	#N/A
<i>TMEM171</i>	3. Predicted membrane proteins	Predicted membrane proteins	5	0.09	43	0.04	#N/A	#N/A	#N/A	#N/A
<i>HRK</i>	3. Predicted membrane proteins	Predicted intracellular proteins, Predicted membrane proteins	6	0.10	48	0.04	#N/A	#N/A	#N/A	#N/A
<i>SLC10A4</i>	3. Predicted membrane proteins	Predicted membrane proteins, Transporters	6	0.10	27	0.02	#N/A	#N/A	#N/A	#N/A
<i>TRPC4</i>	3. Predicted membrane proteins	Plasma proteins, Predicted membrane proteins, Voltage-gated ion channels	6	0.10	16	0.01	#N/A	#N/A	#N/A	#N/A
<i>TPTE</i>	3. Predicted membrane proteins	Enzymes, Plasma proteins, Predicted membrane proteins	9	0.16	43	0.04	#N/A	#N/A	#N/A	#N/A
<i>TDO2</i>	4. Others	Enzymes, Predicted intracellular proteins	8	0.14	20	0.02	Upregulated DEGs	4.28	2.79E-66	4.12E-65
<i>CCDC78</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	12	0.01	Upregulated DEGs	3.81	6.23E-65	8.89E-64
<i>MMP1</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Enzymes, FDA approved drug targets, Plasma proteins,	13	0.22	53	0.05	Upregulated DEGs	6.68	1.68E-64	2.37E-63

		Predicted secreted proteins								
<i>CDC6</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	4	0.07	17	0.02	Upregulated DEGs	2.96	3.89E-64	5.42E-63
<i>CST4</i>	4. Others	Predicted secreted proteins	4	0.07	83	0.08	Upregulated DEGs	8.50	4.17E-57	4.92E-56
<i>CST2</i>	4. Others	Predicted secreted proteins	5	0.09	17	0.02	Upregulated DEGs	5.38	2.21E-53	2.36E-52
<i>CXCL11</i>	4. Others	Predicted secreted proteins	6	0.10	17	0.02	Upregulated DEGs	3.70	2.46E-52	2.52E-51
<i>ITPKA</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	16	0.01	Upregulated DEGs	3.71	1.56E-51	1.57E-50
<i>CXCL10</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	3	0.05	24	0.02	Upregulated DEGs	3.52	8.3E-51	8.16E-50
<i>HAPLN1</i>	4. Others	Predicted secreted proteins	9	0.16	32	0.03	Upregulated DEGs	5.39	1.61E-49	1.52E-48
<i>C9orf169</i>	4. Others	Predicted intracellular proteins	2	0.03	24	0.02	Upregulated DEGs	3.09	1.25E-47	1.13E-46
<i>VGF</i>	4. Others	Plasma proteins, Predicted secreted proteins	3	0.05	53	0.05	Upregulated DEGs	5.19	1.65E-46	1.44E-45
<i>CCNE1</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	3	0.05	34	0.03	Upregulated DEGs	2.95	3.37E-46	2.91E-45
<i>DQX1</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	29	0.03	Upregulated DEGs	4.44	1.01E-45	8.63E-45
<i>CAPS</i>	4. Others	Predicted intracellular proteins	7	0.12	16	0.01	Upregulated DEGs	2.70	1.17E-44	9.65E-44
<i>FBN2</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	7	0.12	26	0.02	Upregulated DEGs	3.34	4.81E-44	3.87E-43
<i>ACAN</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.07	35	0.03	Upregulated DEGs	4.39	4.33E-41	3.16E-40
<i>SYT13</i>	4. Others	Predicted intracellular proteins	3	0.05	38	0.03	Upregulated DEGs	4.95	7.83E-40	5.49E-39
<i>ACTL8</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	2	0.03	90	0.08	Upregulated DEGs	7.92	4.33E-38	2.86E-37
<i>OASL</i>	4. Others	Predicted intracellular proteins	4	0.07	13	0.01	Upregulated	2.34	4.8E-38	3.17E-37

							DEGs			
<i>LYPD1</i>	4. Others	Predicted secreted proteins	2	0.03	23	0.02	Upregulated DEGs	2.14	7.47E-38	4.9E-37
<i>ERMN</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	3	0.05	13	0.01	Upregulated DEGs	2.51	1.02E-37	6.64E-37
<i>UNC13A</i>	4. Others	Predicted intracellular proteins	2	0.03	66	0.06	Upregulated DEGs	4.14	4.09E-37	2.62E-36
<i>A2M</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	6	0.10	14	0.01	Downregulated DEGs	-1.11	1.53E-36	9.63E-36
<i>KLHL35</i>	4. Others	Predicted intracellular proteins	3	0.05	12	0.01	Upregulated DEGs	1.99	3.49E-34	2.04E-33
<i>CBLN2</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.09	130	0.12	Upregulated DEGs	6.20	8.61E-34	4.97E-33
<i>CAPSL</i>	4. Others	Predicted intracellular proteins	2	0.03	41	0.04	Upregulated DEGs	4.37	4.1E-33	2.32E-32
<i>EDN2</i>	4. Others	Predicted secreted proteins	2	0.03	19	0.02	Upregulated DEGs	2.54	4.35E-33	2.46E-32
<i>ELAVL2</i>	4. Others	Predicted intracellular proteins	3	0.05	26	0.02	Upregulated DEGs	2.69	9.92E-33	5.51E-32
<i>SPOCD1</i>	4. Others	Predicted intracellular proteins	6	0.10	13	0.01	Upregulated DEGs	2.20	1.19E-32	6.57E-32
<i>NPW</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	7	0.12	75	0.07	Upregulated DEGs	4.55	3.47E-32	1.89E-31
<i>CADPS</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.07	23	0.02	Upregulated DEGs	3.60	3.78E-32	2.06E-31
<i>CAPN9</i>	4. Others	Enzymes, Predicted intracellular proteins	4	0.07	19	0.02	Upregulated DEGs	3.09	6.33E-32	3.41E-31
<i>SCUBE3</i>	4. Others	Predicted secreted proteins	4	0.07	36	0.03	Upregulated DEGs	3.10	7.09E-32	3.81E-31
<i>CCDC151</i>	4. Others	Disease related genes, Predicted intracellular proteins	4	0.07	18	0.02	Upregulated DEGs	2.58	8.54E-32	4.57E-31
<i>HOXB9</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	62	0.06	Upregulated DEGs	2.64	3.7E-30	1.86E-29
<i>ABP1</i>	4. Others	Enzymes, Predicted intracellular proteins, Predicted secreted proteins	8	0.14	68	0.06	Upregulated DEGs	3.73	6.41E-30	3.18E-29

<i>HHIPL2</i>	4. Others	Predicted secreted proteins	2	0.03	42	0.04	Upregulated DEGs	3.50	1.08E-29	5.33E-29
<i>CST6</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	5	0.09	25	0.02	Upregulated DEGs	2.62	1.74E-29	8.47E-29
<i>INSM1</i>	4. Others	Predicted intracellular proteins, Transcription factors	6	0.10	94	0.09	Upregulated DEGs	5.29	1.78E-29	8.7E-29
<i>CHST6</i>	4. Others	Disease related genes, Predicted secreted proteins	4	0.07	21	0.02	Upregulated DEGs	2.07	2.31E-28	1.08E-27
<i>DLX4</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	14	0.01	Upregulated DEGs	2.03	7.29E-28	3.33E-27
<i>PSMD3</i>	4. Others	Predicted intracellular proteins	6	0.10	64	0.06	Upregulated DEGs	1.41	8.86E-27	3.89E-26
<i>DLX5</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	4	0.07	78	0.07	Upregulated DEGs	2.57	1.45E-26	6.31E-26
<i>ZBED2</i>	4. Others	Predicted intracellular proteins, Transcription factors	6	0.10	16	0.01	Upregulated DEGs	2.53	1.58E-26	6.88E-26
<i>KIF1A</i>	4. Others	Disease related genes, Predicted intracellular proteins	5	0.09	112	0.10	Upregulated DEGs	4.64	2.62E-26	1.13E-25
<i>CEACAM5</i>	4. Others	Cancer-related genes, CD markers, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	8	0.14	78	0.07	Upregulated DEGs	4.33	5.66E-26	2.41E-25
<i>CGA</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted secreted proteins	7	0.12	152	0.14	Upregulated DEGs	8.85	1.07E-25	4.49E-25
<i>PVALB</i>	4. Others	Predicted intracellular proteins	6	0.10	109	0.10	Upregulated DEGs	5.04	2.78E-25	1.15E-24
<i>MAEL</i>	4. Others	Predicted intracellular proteins	3	0.05	55	0.05	Upregulated DEGs	5.32	3.44E-25	1.41E-24
<i>ORM1</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	3	0.05	85	0.08	Upregulated DEGs	5.43	4.55E-25	1.86E-24
<i>KLHDC7B</i>	4. Others	Predicted intracellular proteins	6	0.10	63	0.06	Upregulated DEGs	2.77	8.7E-25	3.52E-24
<i>PRAME</i>	4. Others	Plasma proteins, Predicted	3	0.05	39	0.04	Upregulated	4.82	9.68E-25	3.91E-24

		intracellular proteins					DEGs			
<i>NPAS3</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	12	0.01	Downregulated DEGs	-1.25	9.72E-25	3.92E-24
<i>GADI</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	2	0.03	93	0.08	Upregulated DEGs	3.69	1.13E-24	4.56E-24
<i>RUNDCA3A</i>	4. Others	Predicted intracellular proteins	2	0.03	86	0.08	Upregulated DEGs	3.54	1.51E-24	6.05E-24
<i>VSTM2L</i>	4. Others	Predicted secreted proteins	2	0.03	31	0.03	Upregulated DEGs	2.64	1.87E-24	7.42E-24
<i>SOX11</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	3	0.05	113	0.10	Upregulated DEGs	2.87	2.11E-24	8.38E-24
<i>AKR7A3</i>	4. Others	Predicted intracellular proteins	4	0.07	15	0.01	Upregulated DEGs	2.56	2.16E-24	8.57E-24
<i>NPTX2</i>	4. Others	Predicted secreted proteins	4	0.07	21	0.02	Upregulated DEGs	2.54	3.33E-24	1.31E-23
<i>HOXB13</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	6	0.10	13	0.01	Upregulated DEGs	5.60	5.2E-24	2.03E-23
<i>IL20</i>	4. Others	Predicted secreted proteins	6	0.10	44	0.04	Upregulated DEGs	3.54	1.45E-23	5.55E-23
<i>SERPINB7</i>	4. Others	Disease related genes, Predicted intracellular proteins	6	0.10	64	0.06	Upregulated DEGs	3.81	6.62E-23	2.47E-22
<i>PCGF2</i>	4. Others	Predicted intracellular proteins	4	0.07	18	0.02	Non-differentially expressed genes	0.99	7.3E-23	2.72E-22
<i>BTBD11</i>	4. Others	Predicted intracellular proteins	2	0.03	12	0.01	Downregulated DEGs	-1.19	7.83E-23	2.92E-22
<i>AIM2</i>	4. Others	Predicted intracellular proteins	5	0.09	21	0.02	Upregulated DEGs	2.14	1.1E-22	4.08E-22
<i>MX1</i>	4. Others	Predicted intracellular proteins	4	0.07	11	0.01	Upregulated DEGs	1.71	1.43E-22	5.26E-22
<i>TNNI3</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted	3	0.05	44	0.04	Upregulated DEGs	4.06	1.52E-22	5.58E-22

		intracellular proteins								
<i>CHST1</i>	4. Others	Enzymes, Predicted secreted proteins	4	0.07	33	0.03	Upregulated DEGs	1.99	1.62E-22	5.94E-22
<i>INHA</i>	4. Others	Predicted secreted proteins	3	0.05	31	0.03	Upregulated DEGs	2.25	6.04E-22	2.16E-21
<i>LCN12</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	25	0.02	Upregulated DEGs	2.09	2.34E-21	8.17E-21
<i>CCL20</i>	4. Others	Predicted secreted proteins	5	0.09	49	0.04	Upregulated DEGs	2.63	2.86E-21	9.91E-21
<i>S100A8</i>	4. Others	Cancer-related genes, Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	3	0.05	110	0.10	Upregulated DEGs	3.64	4.45E-21	1.53E-20
<i>GNG4</i>	4. Others	Predicted intracellular proteins, RAS pathway related proteins	4	0.07	93	0.08	Upregulated DEGs	2.78	4.9E-21	1.68E-20
<i>APOBEC3A</i>	4. Others	Predicted intracellular proteins	2	0.03	26	0.02	Upregulated DEGs	1.91	8.11E-21	2.76E-20
<i>GAL</i>	4. Others	Plasma proteins, Predicted secreted proteins	2	0.03	81	0.07	Upregulated DEGs	2.89	1.2E-20	4.04E-20
<i>KRT75</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.05	76	0.07	Upregulated DEGs	4.64	1.52E-20	5.12E-20
<i>CISD3</i>	4. Others	Mitochondrial proteins, Predicted intracellular proteins	3	0.05	14	0.01	Non-differentially expressed genes	0.95	1.91E-20	6.37E-20
<i>SNCAIP</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	16	0.01	Downregulated DEGs	-1.16	4.42E-20	1.46E-19
<i>ECM1</i>	4. Others	Disease related genes, Plasma proteins, Predicted secreted proteins	2	0.03	45	0.04	Upregulated DEGs	1.79	8.25E-20	2.69E-19
<i>KRT86</i>	4. Others	Disease related genes, Predicted intracellular proteins	8	0.14	61	0.06	Upregulated DEGs	2.63	1.3E-19	4.21E-19
<i>S100A9</i>	4. Others	Cancer-related genes, Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	4	0.07	107	0.10	Upregulated DEGs	3.06	3.52E-19	1.12E-18
<i>L3MBTL4</i>	4. Others	Predicted intracellular proteins	7	0.12	19	0.02	Downregulated DEGs	-1.25	5.41E-19	1.7E-18

							d DEGs			
<i>FAM83A</i>	4. Others	Predicted intracellular proteins	5	0.09	79	0.07	Upregulated DEGs	2.78	6.9E-19	2.16E-18
<i>SBSN</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	127	0.12	Upregulated DEGs	4.75	8.31E-19	2.59E-18
<i>TFF3</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	4	0.07	24	0.02	Upregulated DEGs	2.50	1.71E-18	5.26E-18
<i>CASP14</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	4	0.07	145	0.13	Upregulated DEGs	6.71	1.77E-18	5.44E-18
<i>COL9A3</i>	4. Others	Disease related genes, Predicted intracellular proteins, Predicted secreted proteins	6	0.10	71	0.06	Upregulated DEGs	2.66	2.84E-18	8.65E-18
<i>A2ML1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.07	140	0.13	Upregulated DEGs	3.95	2.95E-18	8.98E-18
<i>LRRC10B</i>	4. Others	Predicted intracellular proteins	2	0.03	17	0.02	Upregulated DEGs	1.68	9.69E-18	2.88E-17
<i>NKX2-2</i>	4. Others	Predicted intracellular proteins, Transcription factors	7	0.12	159	0.14	Upregulated DEGs	5.48	1.44E-17	4.25E-17
<i>MUC5B</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	33	0.03	Upregulated DEGs	2.73	1.58E-17	4.65E-17
<i>HPDL</i>	4. Others	Predicted intracellular proteins	2	0.03	48	0.04	Upregulated DEGs	1.88	4.87E-17	1.4E-16
<i>TGM3</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	2	0.03	46	0.04	Upregulated DEGs	2.49	6.56E-17	1.88E-16
<i>MESP2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	18	0.02	Upregulated DEGs	1.56	9.21E-17	2.63E-16
<i>QPCT</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	41	0.04	Upregulated DEGs	1.24	1.19E-16	3.36E-16
<i>DNAH11</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	70	0.06	Upregulated DEGs	2.66	1.19E-16	3.37E-16
<i>SIX3</i>	4. Others	Disease related genes, Predicted	6	0.10	97	0.09	Upregulated	3.02	1.26E-16	3.57E-16

		intracellular proteins, Transcription factors					DEGs			
<i>EN1</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.09	134	0.12	Upregulated DEGs	2.30	1.67E-16	4.7E-16
<i>IDO1</i>	4. Others	Cancer-related genes, Enzymes, Predicted intracellular proteins	5	0.09	43	0.04	Upregulated DEGs	2.12	2.21E-16	6.2E-16
<i>VTN</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	2	0.03	80	0.07	Upregulated DEGs	2.50	2.25E-16	6.3E-16
<i>SOX2</i>	4. Others	Cancer-related genes, Disease related genes, Predicted intracellular proteins, Transcription factors	7	0.12	99	0.09	Upregulated DEGs	3.37	2.53E-16	7.08E-16
<i>PADI3</i>	4. Others	Enzymes, Predicted intracellular proteins	6	0.10	91	0.08	Upregulated DEGs	3.21	2.78E-16	7.76E-16
<i>ADAMTS19</i>	4. Others	Enzymes, Predicted secreted proteins	5	0.09	34	0.03	Upregulated DEGs	2.54	3.67E-16	1.02E-15
<i>GSDMC</i>	4. Others	Predicted intracellular proteins	2	0.03	58	0.05	Upregulated DEGs	2.10	3.9E-16	1.08E-15
<i>SNF8</i>	4. Others	Predicted intracellular proteins	2	0.03	14	0.01	Non- differentially expressed genes	0.63	4.57E-16	1.26E-15
<i>PGBD5</i>	4. Others	Predicted intracellular proteins	4	0.07	71	0.06	Upregulated DEGs	1.78	4.56E-16	1.26E-15
<i>NTNG1</i>	4. Others	Predicted secreted proteins	2	0.03	125	0.11	Upregulated DEGs	2.91	8.57E-16	2.33E-15
<i>BCL2A1</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	5	0.09	23	0.02	Upregulated DEGs	1.58	1.26E-15	3.38E-15
<i>C5orf46</i>	4. Others	Predicted secreted proteins	8	0.14	26	0.02	Upregulated DEGs	1.72	1.35E-15	3.63E-15
<i>CLEC3A</i>	4. Others	Predicted secreted proteins	8	0.14	164	0.15	Upregulated DEGs	5.55	1.51E-15	4.06E-15
<i>PHB</i>	4. Others	Mitochondrial proteins, Plasma proteins, Predicted secreted proteins	2	0.03	16	0.01	Non- differentially expressed genes	0.64	1.84E-15	4.93E-15

<i>GALNT5</i>	4. Others	Enzymes, Predicted intracellular proteins	8	0.14	36	0.03	Upregulated DEGs	1.71	2.6E-15	6.9E-15
<i>UBD</i>	4. Others	Predicted intracellular proteins	4	0.07	37	0.03	Upregulated DEGs	1.86	3.59E-15	9.49E-15
<i>CXCL17</i>	4. Others	Predicted secreted proteins	4	0.07	76	0.07	Upregulated DEGs	2.53	4.9E-15	1.29E-14
<i>COL2A1</i>	4. Others	Cancer-related genes, Disease related genes, Predicted secreted proteins	3	0.05	151	0.14	Upregulated DEGs	3.37	7.11E-15	1.85E-14
<i>RAPGEFL1</i>	4. Others	Predicted intracellular proteins	4	0.07	28	0.03	Upregulated DEGs	1.31	8.66E-15	2.24E-14
<i>PAH</i>	4. Others	Disease related genes, Enzymes, FDA approved drug targets, Predicted intracellular proteins	2	0.03	37	0.03	Upregulated DEGs	2.72	9.06E-15	2.35E-14
<i>GRB7</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	7	0.12	76	0.07	Upregulated DEGs	1.37	1.33E-14	3.43E-14
<i>TMSB15A</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	3	0.05	61	0.06	Upregulated DEGs	1.81	1.45E-14	3.73E-14
<i>IVL</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	98	0.09	Upregulated DEGs	3.96	1.59E-14	4.07E-14
<i>RAB11FIP1</i>	4. Others	Predicted intracellular proteins	2	0.03	32	0.03	Upregulated DEGs	1.17	1.95E-14	4.98E-14
<i>NEFH</i>	4. Others	Disease related genes, Predicted intracellular proteins	6	0.10	44	0.04	Upregulated DEGs	1.66	2.57E-14	6.52E-14
<i>HOXB6</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	65	0.06	Upregulated DEGs	1.63	4.18E-14	1.05E-13
<i>LYZ</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted secreted proteins	4	0.07	19	0.02	Upregulated DEGs	1.34	9.79E-14	2.42E-13
<i>AGT</i>	4. Others	Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted secreted proteins	3	0.05	32	0.03	Upregulated DEGs	1.66	1.49E-13	3.64E-13
<i>ZMAT4</i>	4. Others	Predicted intracellular proteins	6	0.10	68	0.06	Upregulated DEGs	2.20	1.59E-13	3.87E-13
<i>GLYATL1</i>	4. Others	Enzymes, Mitochondrial proteins, Predicted intracellular proteins	2	0.03	18	0.02	Upregulated DEGs	1.80	1.65E-13	4.03E-13

<i>CTTNBP2</i>	4. Others	Plasma proteins, Predicted intracellular proteins	6	0.10	20	0.02	Downregulated DEGs	-1.15	2.89E-13	6.97E-13
<i>BAIAP2L2</i>	4. Others	Predicted intracellular proteins	3	0.05	45	0.04	Upregulated DEGs	1.59	4.78E-13	1.14E-12
<i>PCSK9</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted secreted proteins	7	0.12	38	0.03	Upregulated DEGs	1.74	5.06E-13	1.21E-12
<i>NCCRP1</i>	4. Others	Predicted intracellular proteins	7	0.12	83	0.08	Upregulated DEGs	2.18	5.51E-13	1.31E-12
<i>FAM19A5</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	4	0.07	17	0.02	Upregulated DEGs	1.21	5.93E-13	1.41E-12
<i>ORA0V1</i>	4. Others	Predicted intracellular proteins	4	0.07	22	0.02	Non-differentially expressed genes	0.72	9.23E-13	2.17E-12
<i>BEX1</i>	4. Others	Predicted intracellular proteins	7	0.12	154	0.14	Upregulated DEGs	2.82	1.01E-12	2.36E-12
<i>DUSP15</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	11	0.01	Upregulated DEGs	1.44	1.03E-12	2.42E-12
<i>BARX1</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.05	74	0.07	Upregulated DEGs	2.37	2.07E-12	4.79E-12
<i>TPRG1</i>	4. Others	Predicted intracellular proteins	2	0.03	32	0.03	Upregulated DEGs	1.81	2.14E-12	4.95E-12
<i>ANKRD30B</i>	4. Others	Predicted intracellular proteins	7	0.12	29	0.03	Upregulated DEGs	2.19	3.14E-12	7.2E-12
<i>FOXA3</i>	4. Others	Predicted intracellular proteins, Transcription factors	5	0.09	86	0.08	Upregulated DEGs	2.11	3.73E-12	8.51E-12
<i>C2CD4A</i>	4. Others	Predicted intracellular proteins	5	0.09	54	0.05	Upregulated DEGs	2.14	5.8E-12	1.31E-11
<i>BRF2</i>	4. Others	Predicted intracellular proteins	3	0.05	42	0.04	Non-differentially expressed genes	0.77	8.6E-12	1.92E-11
<i>C15orf59</i>	4. Others	Predicted intracellular proteins	3	0.05	21	0.02	Upregulated DEGs	1.27	1.13E-11	2.51E-11
<i>ABHD12B</i>	4. Others	Predicted intracellular proteins	2	0.03	122	0.11	Upregulated DEGs	2.17	1.39E-11	3.08E-11

<i>HEATR6</i>	4. Others	Predicted intracellular proteins	3	0.05	25	0.02	Non-differentially expressed genes	0.62	2.01E-11	4.43E-11
<i>CLIC6</i>	4. Others	Predicted intracellular proteins, Transporters	6	0.10	51	0.05	Upregulated DEGs	1.91	4.29E-11	9.28E-11
<i>HOXA11</i>	4. Others	Cancer-related genes, Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	28	0.03	Upregulated DEGs	1.22	6.21E-11	1.33E-10
<i>KNDC1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.05	49	0.04	Upregulated DEGs	2.00	1.38E-10	2.91E-10
<i>LRRC31</i>	4. Others	Predicted intracellular proteins	9	0.16	32	0.03	Upregulated DEGs	2.32	2.37E-10	4.93E-10
<i>MAT1A</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	2	0.03	46	0.04	Upregulated DEGs	1.66	3.02E-10	6.24E-10
<i>NDP</i>	4. Others	Disease related genes, Predicted secreted proteins	5	0.09	81	0.07	Upregulated DEGs	1.84	3.04E-10	6.28E-10
<i>RAB39B</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	16	0.01	Upregulated DEGs	1.16	3.65E-10	7.52E-10
<i>SERPINE2</i>	4. Others	Plasma proteins, Predicted secreted proteins	2	0.03	15	0.01	Non-differentially expressed genes	0.84	4.13E-10	8.49E-10
<i>GRB14</i>	4. Others	Predicted intracellular proteins	3	0.05	60	0.05	Upregulated DEGs	1.81	4.25E-10	8.73E-10
<i>MSL1</i>	4. Others	Predicted intracellular proteins	2	0.03	41	0.04	Non-differentially expressed genes	0.60	7.52E-10	1.52E-09
<i>S100A2</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	3	0.05	55	0.05	Upregulated DEGs	1.84	9.85E-10	1.98E-09
<i>EOMES</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	4	0.07	14	0.01	Upregulated DEGs	1.15	1.97E-09	3.9E-09

<i>SP5</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	46	0.04	Upregulated DEGs	1.57	2.29E-09	4.52E-09
<i>RASD2</i>	4. Others	Predicted intracellular proteins	5	0.09	41	0.04	Non-differentially expressed genes	0.96	3.54E-09	6.93E-09
<i>ENHO</i>	4. Others	Predicted secreted proteins	3	0.05	34	0.03	Upregulated DEGs	1.26	3.65E-09	7.15E-09
<i>SLAIN1</i>	4. Others	Predicted intracellular proteins	3	0.05	14	0.01	Non-differentially expressed genes	-0.94	4.32E-09	8.41E-09
<i>WDR72</i>	4. Others	Disease related genes, Predicted intracellular proteins	7	0.12	77	0.07	Upregulated DEGs	2.18	4.39E-09	8.54E-09
<i>KRT16</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Plasma proteins, Predicted intracellular proteins	5	0.09	113	0.10	Upregulated DEGs	1.92	2.11E-08	3.96E-08
<i>CCNB3</i>	4. Others	Predicted intracellular proteins	3	0.05	17	0.02	Non-differentially expressed genes	0.83	2.12E-08	3.98E-08
<i>SNTB1</i>	4. Others	Cytoskeleton related proteins, Plasma proteins, Predicted secreted proteins	4	0.07	19	0.02	Non-differentially expressed genes	-0.56	2.13E-08	4.01E-08
<i>C8orf46</i>	4. Others	Predicted intracellular proteins	2	0.03	68	0.06	Upregulated DEGs	1.39	2.33E-08	4.37E-08
<i>CPA4</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	65	0.06	Upregulated DEGs	1.34	2.58E-08	4.84E-08
<i>RBP1</i>	4. Others	Predicted intracellular proteins	3	0.05	26	0.02	Non-differentially expressed genes	0.99	4.43E-08	8.17E-08
<i>USP32</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins	3	0.05	21	0.02	Non-differentially expressed	0.56	0.000000055	0.000000101

							genes			
<i>MT1G</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	25	0.02	Upregulated DEGs	1.11	0.000000254	0.000000447
<i>FAM178B</i>	4. Others	Predicted intracellular proteins	2	0.03	44	0.04	Upregulated DEGs	1.16	0.000000259	0.000000455
<i>RBP5</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	28	0.03	Non-differentially expressed genes	0.89	0.000000314	0.000000549
<i>ASH2L</i>	4. Others	Predicted intracellular proteins	2	0.03	51	0.05	Non-differentially expressed genes	0.53	0.000000323	0.000000564
<i>HEY1</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Transcription factors	2	0.03	14	0.01	Non-differentially expressed genes	-0.49	0.000000338	0.000000588
<i>STC1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	19	0.02	Non-differentially expressed genes	0.88	0.000000701	0.0000012
<i>ATP6V1C2</i>	4. Others	Predicted intracellular proteins, Transporters	5	0.09	32	0.03	Non-differentially expressed genes	0.76	0.000000861	0.00000146
<i>CRYM</i>	4. Others	Enzymes, Predicted intracellular proteins	5	0.09	71	0.06	Upregulated DEGs	1.43	0.000000893	0.00000152
<i>OBP2B</i>	4. Others	Predicted secreted proteins	3	0.05	69	0.06	Upregulated DEGs	1.82	0.00000131	0.00000221
<i>DPYSL4</i>	4. Others	Plasma proteins, Predicted intracellular proteins	3	0.05	34	0.03	Non-differentially expressed genes	0.93	0.00000141	0.00000237
<i>COCH</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	69	0.06	Upregulated DEGs	1.18	0.00000189	0.00000316

<i>FAM84A</i>	4. Others	Predicted intracellular proteins	3	0.05	24	0.02	Non-differentially expressed genes	0.74	0.00000241	0.00000399
<i>WFDC2</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	10	0.17	13	0.01	Upregulated DEGs	1.03	0.00000442	0.00000721
<i>FAM167A</i>	4. Others	Predicted intracellular proteins	2	0.03	11	0.01	Non-differentially expressed genes	0.73	0.00000457	0.00000745
<i>ARHGEF9</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	19	0.02	Non-differentially expressed genes	-0.33	0.00000508	0.00000826
<i>GOLGA7B</i>	4. Others	Predicted intracellular proteins	2	0.03	12	0.01	Non-differentially expressed genes	-0.58	0.00000942	0.000015
<i>SCUBE2</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	10	0.17	11	0.01	Upregulated DEGs	1.00	0.00000967	0.0000154
<i>MAP7D2</i>	4. Others	Predicted intracellular proteins	3	0.05	73	0.07	Upregulated DEGs	1.07	0.00000992	0.0000158
<i>SESN3</i>	4. Others	Predicted intracellular proteins	5	0.09	13	0.01	Non-differentially expressed genes	-0.65	0.0000112	0.0000177
<i>FBXL13</i>	4. Others	Predicted intracellular proteins	8	0.14	43	0.04	Non-differentially expressed genes	0.73	0.000012	0.000019
<i>VSNL1</i>	4. Others	Predicted intracellular proteins	8	0.14	26	0.02	Non-differentially expressed genes	-0.69	0.000013	0.0000206
<i>MEDI1</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	3	0.05	46	0.04	Non-differentially expressed	0.53	0.0000132	0.0000209

							genes			
<i>COL21A1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.09	14	0.01	Non-differentially expressed genes	-0.62	0.0000163	0.0000256
<i>IGSF21</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	24	0.02	Non-differentially expressed genes	0.85	0.0000167	0.0000262
<i>RGS5</i>	4. Others	Predicted intracellular proteins	2	0.03	19	0.02	Non-differentially expressed genes	-0.56	0.0000296	0.0000457
<i>PKP1</i>	4. Others	Disease related genes, Plasma proteins, Predicted intracellular proteins	3	0.05	34	0.03	Non-differentially expressed genes	-0.82	0.0000382	0.0000584
<i>FBXL20</i>	4. Others	Plasma proteins, Predicted intracellular proteins	5	0.09	43	0.04	Non-differentially expressed genes	0.46	0.0000414	0.0000632
<i>SCGB2A2</i>	4. Others	Cancer-related genes, Predicted secreted proteins	9	0.16	69	0.06	Upregulated DEGs	1.47	0.0000417	0.0000637
<i>FOXQ1</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Transcription factors	7	0.12	29	0.03	Non-differentially expressed genes	0.77	0.0000719	0.000108295
<i>SERPINA5</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	7	0.12	11	0.01	Non-differentially expressed genes	0.88	0.000084	0.00012586
<i>FGF12</i>	4. Others	Predicted intracellular proteins, RAS pathway related proteins	3	0.05	40	0.04	Non-differentially expressed genes	0.75	0.0000964	0.000143778
<i>LCN2</i>	4. Others	Candidate cardiovascular disease genes, Plasma proteins, Predicted secreted proteins	6	0.10	61	0.06	Upregulated DEGs	1.10	0.000108835	0.000161668

<i>SERPINB5</i>	4. Others	Plasma proteins, Predicted intracellular proteins	4	0.07	46	0.04	Non-differentially expressed genes	-0.83	0.000123286	0.000182388
<i>FLG</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	2	0.03	17	0.02	Non-differentially expressed genes	-0.69	0.000178004	0.000260952
<i>ZNF488</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	2	0.03	25	0.02	Non-differentially expressed genes	-0.64	0.000180648	0.000264751
<i>ERLIN2</i>	4. Others	Disease related genes, Predicted secreted proteins	2	0.03	27	0.02	Non-differentially expressed genes	0.42	0.000214179	0.000312355
<i>MUC20</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.09	36	0.03	Non-differentially expressed genes	0.67	0.000225733	0.000328497
<i>SERPINI1</i>	4. Others	Disease related genes, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	35	0.03	Non-differentially expressed genes	0.61	0.00025043	0.000363125
<i>GLIPR2</i>	4. Others	Plasma proteins, Predicted intracellular proteins	2	0.03	11	0.01	Non-differentially expressed genes	-0.38	0.000272559	0.000394405
<i>GSDMB</i>	4. Others	Predicted intracellular proteins	5	0.09	31	0.03	Non-differentially expressed genes	0.62	0.000290295	0.000419012
<i>TRIM17</i>	4. Others	Predicted intracellular proteins	2	0.03	18	0.02	Non-differentially expressed genes	0.67	0.000413768	0.000590593
<i>FAM81A</i>	4. Others	Predicted intracellular proteins	2	0.03	11	0.01	Non-differentially	0.46	0.000452714	0.000644515

							expressed genes			
<i>KANK4</i>	4. Others	Predicted intracellular proteins	4	0.07	23	0.02	Non-differentially expressed genes	-0.54	0.00056875	0.000803414
<i>PALM3</i>	4. Others	Predicted intracellular proteins	3	0.05	19	0.02	Non-differentially expressed genes	0.63	0.000574283	0.000810999
<i>WNT5B</i>	4. Others	Predicted secreted proteins	6	0.10	13	0.01	Non-differentially expressed genes	-0.43	0.000606553	0.000855515
<i>ZNF385B</i>	4. Others	Predicted intracellular proteins	3	0.05	78	0.07	Non-differentially expressed genes	0.80	0.000912783	0.001269643
<i>ZNF385D</i>	4. Others	Predicted intracellular proteins	5	0.09	26	0.02	Non-differentially expressed genes	-0.53	0.001050358	0.001453268
<i>WIPF2</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	4	0.07	22	0.02	Non-differentially expressed genes	0.31	0.001077206	0.001488618
<i>AMDHD1</i>	4. Others	Enzymes, Predicted intracellular proteins	6	0.10	34	0.03	Non-differentially expressed genes	0.60	0.001282717	0.001762967
<i>SCG5</i>	4. Others	Predicted secreted proteins	12	0.21	19	0.02	Non-differentially expressed genes	-0.42	0.0014796	0.002025152
<i>BCL2L14</i>	4. Others	Predicted intracellular proteins	2	0.03	34	0.03	Non-differentially expressed genes	0.70	0.001543751	0.002111017

<i>GLYATL2</i>	4. Others	Enzymes, Mitochondrial proteins, Predicted intracellular proteins	8	0.14	75	0.07	Non-differentially expressed genes	0.85	0.002021561	0.002737259
<i>PPM1D</i>	4. Others	Cancer-related genes, Enzymes, Plasma proteins, Predicted intracellular proteins	4	0.07	23	0.02	Non-differentially expressed genes	-0.24	0.002437137	0.003279982
<i>EDIL3</i>	4. Others	Predicted secreted proteins	10	0.17	12	0.01	Non-differentially expressed genes	0.49	0.004710788	0.006215253
<i>PROSC</i>	4. Others	Predicted intracellular proteins	2	0.03	33	0.03	Non-differentially expressed genes	0.27	0.005152497	0.006776084
<i>SULT1C2</i>	4. Others	Plasma proteins, Predicted intracellular proteins	3	0.05	33	0.03	Non-differentially expressed genes	0.64	0.005626167	0.007373977
<i>DLGAP1</i>	4. Others	Predicted intracellular proteins	2	0.03	31	0.03	Non-differentially expressed genes	0.64	0.005955972	0.007794578
<i>BMP7</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	6	0.10	39	0.04	Non-differentially expressed genes	0.52	0.007701852	0.00999074
<i>TRIM9</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	4	0.07	42	0.04	Non-differentially expressed genes	-0.43	0.008753874	0.011296374
<i>GNAO1</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	45	0.04	Non-differentially expressed genes	0.47	0.009644983	0.012407595
<i>IRX4</i>	4. Others	Plasma proteins, Predicted intracellular proteins,	3	0.05	25	0.02	Non-differentially expressed genes	-0.54	0.01102026	0.014095219

		Transcription factors					expressed genes			
<i>CYP27C1</i>	4. Others	Predicted intracellular proteins	4	0.07	80	0.07	Non-differentially expressed genes	0.53	0.014483249	0.018321501
<i>LIPG</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	6	0.10	24	0.02	Non-differentially expressed genes	0.46	0.015376733	0.019403972
<i>PCP4L1</i>	4. Others	Predicted intracellular proteins	2	0.03	61	0.06	Non-differentially expressed genes	0.54	0.018536694	0.023247746
<i>CHI3L2</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	7	0.12	44	0.04	Non-differentially expressed genes	0.49	0.023840156	0.029580226
<i>ESRRG</i>	4. Others	FDA approved drug targets, Nuclear receptors, Predicted intracellular proteins, Transcription factors	2	0.03	31	0.03	Non-differentially expressed genes	0.43	0.024551162	0.030411749
<i>GPRIN2</i>	4. Others	Predicted intracellular proteins	3	0.05	13	0.01	Non-differentially expressed genes	-0.43	0.025228831	0.031194103
<i>FRZB</i>	4. Others	Disease related genes, Predicted secreted proteins	3	0.05	13	0.01	Non-differentially expressed genes	-0.32	0.02662808	0.032820657
<i>MLLT6</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	2	0.03	15	0.01	Non-differentially expressed genes	-0.17	0.026988374	0.033253731
<i>NRTN</i>	4. Others	Disease related genes, Predicted secreted proteins	3	0.05	51	0.05	Non-differentially expressed genes	0.43	0.02709551	0.033374694

<i>PLAC8</i>	4. Others	Predicted intracellular proteins	6	0.10	23	0.02	Non-differentially expressed genes	0.39	0.028116804	0.034601187
<i>FAM65C</i>	4. Others	Predicted intracellular proteins	4	0.07	32	0.03	Non-differentially expressed genes	0.38	0.033183229	0.040567873
<i>FRS2</i>	4. Others	Predicted intracellular proteins	4	0.07	14	0.01	Non-differentially expressed genes	0.23	0.036841153	0.044859398
<i>SNX11</i>	4. Others	Predicted intracellular proteins	2	0.03	11	0.01	Non-differentially expressed genes	0.12	0.041904977	0.050747343
<i>BCL11A</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins, Transcription factors	6	0.10	20	0.02	Non-differentially expressed genes	-0.40	0.047867368	0.057625795
<i>KLHL14</i>	4. Others	Predicted intracellular proteins	3	0.05	34	0.03	Non-differentially expressed genes	-0.31	0.08376945	0.098638394
<i>RGS22</i>	4. Others	Predicted intracellular proteins	3	0.05	30	0.03	Non-differentially expressed genes	0.40	0.089323894	0.104880223
<i>CWC25</i>	4. Others	Predicted intracellular proteins	4	0.07	26	0.02	Non-differentially expressed genes	-0.12	0.091261747	0.107071151
<i>FOXC2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	40	0.04	Non-differentially expressed genes	0.30	0.091449572	0.107274612
<i>PPPIR1B</i>	4. Others	Predicted intracellular proteins	6	0.10	39	0.04	Non-differentially expressed genes	0.42	0.095572081	0.111916575

							expressed genes			
<i>PIP4K2B</i>	4. Others	Cancer-related genes, Enzymes, Predicted intracellular proteins	4	0.07	23	0.02	Non-differentially expressed genes	-0.12	0.095939447	0.112320272
<i>ASB9</i>	4. Others	Predicted intracellular proteins	2	0.03	12	0.01	Non-differentially expressed genes	-0.20	0.101632873	0.11868724
<i>TUBD1</i>	4. Others	FDA approved drug targets, Predicted intracellular proteins	3	0.05	16	0.01	Non-differentially expressed genes	0.13	0.108745274	0.126556487
<i>FOXII</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Transcription factors	5	0.09	16	0.01	Non-differentially expressed genes	-0.37	0.108994426	0.126836536
<i>CRMP1</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	3	0.05	39	0.04	Non-differentially expressed genes	0.22	0.115980901	0.134609068
<i>LIN7A</i>	4. Others	Predicted intracellular proteins	3	0.05	17	0.02	Non-differentially expressed genes	0.30	0.150416162	0.172411907
<i>FCGBP</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.05	32	0.03	Non-differentially expressed genes	-0.24	0.156008616	0.178478747
<i>PRR16</i>	4. Others	Predicted intracellular proteins	2	0.03	28	0.03	Non-differentially expressed genes	0.18	0.166664767	0.189969262
<i>C8orf4</i>	4. Others	Predicted intracellular proteins	4	0.07	17	0.02	Non-differentially expressed genes	0.23	0.174716648	0.198584678

<i>C3orf70</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	7	0.12	14	0.01	Non-differentially expressed genes	-0.17	0.175701387	0.199597312
<i>PLAT</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Enzymes, FDA approved drug targets, Plasma proteins, Predicted secreted proteins	7	0.12	16	0.01	Non-differentially expressed genes	-0.18	0.224286261	0.25111226
<i>STMN2</i>	4. Others	Predicted intracellular proteins	3	0.05	13	0.01	Non-differentially expressed genes	0.20	0.225399185	0.252301395
<i>MYO7A</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Predicted intracellular proteins	2	0.03	22	0.02	Non-differentially expressed genes	-0.16	0.253278696	0.281246617
<i>PNMA2</i>	4. Others	Predicted intracellular proteins	7	0.12	21	0.02	Non-differentially expressed genes	-0.15	0.315938918	0.346307375
<i>CASC3</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Transporters	3	0.05	32	0.03	Non-differentially expressed genes	0.09	0.322549268	0.353059404
<i>ELN</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted secreted proteins	8	0.14	11	0.01	Non-differentially expressed genes	0.16	0.323704963	0.354194256
<i>ALX3</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	2	0.03	18	0.02	Non-differentially expressed genes	-0.11	0.324285804	0.354803738
<i>ADD2</i>	4. Others	Cytoskeleton related proteins, Predicted intracellular proteins	2	0.03	55	0.05	Non-differentially expressed genes	0.17	0.33794404	0.368880137

<i>AP3B2</i>	4. Others	Predicted intracellular proteins	2	0.03	27	0.02	Non-differentially expressed genes	0.19	0.346431741	0.377480825
<i>MACROD2</i>	4. Others	Predicted intracellular proteins	4	0.07	18	0.02	Non-differentially expressed genes	-0.13	0.366907096	0.398014959
<i>KLK10</i>	4. Others	Cancer-related genes, Enzymes, Predicted secreted proteins	5	0.09	81	0.07	Non-differentially expressed genes	0.21	0.459918357	0.49114901
<i>MFI2</i>	4. Others	CD markers, Plasma proteins, Predicted secreted proteins	2	0.03	65	0.06	Non-differentially expressed genes	0.12	0.481840633	0.512868249
<i>CSTA</i>	4. Others	Cancer-related genes, Disease related genes, Plasma proteins, Predicted intracellular proteins	6	0.10	51	0.05	Non-differentially expressed genes	-0.11	0.526222234	0.556567554
<i>TGM1</i>	4. Others	Disease related genes, Enzymes, Plasma proteins, Potential drug targets, Predicted intracellular proteins	3	0.05	47	0.04	Non-differentially expressed genes	-0.10	0.536004051	0.5658686
<i>TNFSF15</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	3	0.05	22	0.02	Non-differentially expressed genes	0.11	0.540547162	0.5702606
<i>RARRES1</i>	4. Others	Predicted secreted proteins	9	0.16	65	0.06	Non-differentially expressed genes	0.11	0.583605122	0.612474885
<i>CXCL14</i>	4. Others	Predicted secreted proteins	8	0.14	54	0.05	Non-differentially expressed genes	-0.11	0.592266697	0.620952335
<i>TOX</i>	4. Others	Predicted intracellular proteins, Transcription factors	3	0.05	11	0.01	Non-differentially expressed genes	-0.06	0.70865179	0.733320671

							expressed genes			
<i>PEG3</i>	4. Others	Predicted intracellular proteins, Transcription factors	8	0.14	77	0.07	Non-differentially expressed genes	0.07	0.727822337	0.750915003
<i>GUCYIA2</i>	4. Others	Enzymes, FDA approved drug targets, Predicted intracellular proteins	3	0.05	25	0.02	Non-differentially expressed genes	0.05	0.740567304	0.762532416
<i>POF1B</i>	4. Others	Disease related genes, Predicted intracellular proteins	2	0.03	16	0.01	Non-differentially expressed genes	0.07	0.741005321	0.762877938
<i>PHACTR1</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.09	14	0.01	Non-differentially expressed genes	0.04	0.742905368	0.764516974
<i>PDE10A</i>	4. Others	Enzymes, FDA approved drug targets, Predicted intracellular proteins	4	0.07	18	0.02	Non-differentially expressed genes	-0.04	0.75046736	0.771552561
<i>LTF</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	58	0.05	Non-differentially expressed genes	-0.08	0.7617691	0.781930334
<i>C8orf84</i>	4. Others	Predicted secreted proteins	8	0.14	42	0.04	Non-differentially expressed genes	0.06	0.771828471	0.791546716
<i>KRT222</i>	4. Others	Predicted intracellular proteins	2	0.03	18	0.02	Non-differentially expressed genes	-0.03	0.811208455	0.828623287
<i>SOX15</i>	4. Others	Predicted intracellular proteins, Transcription factors	7	0.12	45	0.04	Non-differentially expressed genes	-0.04	0.818851842	0.835914763

<i>APPBP2</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	3	0.05	16	0.01	Non-differentially expressed genes	0.02	0.832452454	0.848345038
<i>KRT23</i>	4. Others	Predicted intracellular proteins	10	0.17	27	0.02	Non-differentially expressed genes	-0.03	0.876528848	0.88882305
<i>DOK6</i>	4. Others	Predicted intracellular proteins	3	0.05	11	0.01	Non-differentially expressed genes	-0.02	0.902381245	0.912800644
<i>TNFRSF11B</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted secreted proteins	6	0.10	26	0.02	Non-differentially expressed genes	0.00	0.976682143	0.979378343
<i>ALOX12</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	2	0.03	33	0.03	#N/A	#N/A	#N/A	#N/A
<i>BTBD16</i>	4. Others	Predicted intracellular proteins	2	0.03	11	0.01	#N/A	#N/A	#N/A	#N/A
<i>C16orf73</i>	4. Others	Predicted intracellular proteins	2	0.03	45	0.04	#N/A	#N/A	#N/A	#N/A
<i>C1orf187</i>	4. Others	Predicted secreted proteins	2	0.03	20	0.02	#N/A	#N/A	#N/A	#N/A
<i>C8orf31</i>	4. Others	Predicted intracellular proteins	2	0.03	16	0.01	#N/A	#N/A	#N/A	#N/A
<i>CAPN14</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	20	0.02	#N/A	#N/A	#N/A	#N/A
<i>CCDC83</i>	4. Others	Predicted intracellular proteins	2	0.03	27	0.02	#N/A	#N/A	#N/A	#N/A
<i>CNDP1</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	2	0.03	37	0.03	#N/A	#N/A	#N/A	#N/A
<i>COX6B2</i>	4. Others	Mitochondrial proteins, Predicted intracellular proteins, Transporters	2	0.03	51	0.05	#N/A	#N/A	#N/A	#N/A
<i>CPNE9</i>	4. Others	Predicted intracellular proteins	2	0.03	21	0.02	#N/A	#N/A	#N/A	#N/A
<i>DHDH</i>	4. Others	Enzymes, Predicted intracellular proteins	2	0.03	15	0.01	#N/A	#N/A	#N/A	#N/A
<i>DMRTA2</i>	4. Others	Predicted secreted proteins, Transcription factors	2	0.03	88	0.08	#N/A	#N/A	#N/A	#N/A

<i>DYDC2</i>	4. Others	Predicted intracellular proteins	2	0.03	21	0.02	#N/A	#N/A	#N/A	#N/A
<i>ENDOU</i>	4. Others	Predicted secreted proteins	2	0.03	16	0.01	#N/A	#N/A	#N/A	#N/A
<i>FAM19A4</i>	4. Others	Predicted secreted proteins	2	0.03	49	0.04	#N/A	#N/A	#N/A	#N/A
<i>FBLL1</i>	4. Others	Predicted intracellular proteins	2	0.03	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>HIST1H1D</i>	4. Others	Predicted intracellular proteins	2	0.03	13	0.01	#N/A	#N/A	#N/A	#N/A
<i>HOXC12</i>	4. Others	Plasma proteins, Predicted intracellular proteins, Transcription factors	2	0.03	39	0.04	#N/A	#N/A	#N/A	#N/A
<i>PRSS35</i>	4. Others	Enzymes, Predicted secreted proteins	2	0.03	13	0.01	#N/A	#N/A	#N/A	#N/A
<i>SOX30</i>	4. Others	Predicted intracellular proteins, Transcription factors	2	0.03	26	0.02	#N/A	#N/A	#N/A	#N/A
<i>SPINK2</i>	4. Others	Predicted secreted proteins	2	0.03	27	0.02	#N/A	#N/A	#N/A	#N/A
<i>BCMO1</i>	4. Others	Disease related genes, Enzymes, Potential drug targets, Predicted intracellular proteins	3	0.05	22	0.02	#N/A	#N/A	#N/A	#N/A
<i>CCDC147</i>	4. Others	Predicted intracellular proteins	3	0.05	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>CYP2C8</i>	4. Others	Enzymes, Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	40	0.04	#N/A	#N/A	#N/A	#N/A
<i>ERC2</i>	4. Others	Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	3	0.05	13	0.01	#N/A	#N/A	#N/A	#N/A
<i>HIST1H1E</i>	4. Others	Cancer-related genes, Predicted intracellular proteins	3	0.05	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>IL23A</i>	4. Others	Predicted secreted proteins	3	0.05	27	0.02	#N/A	#N/A	#N/A	#N/A
<i>IL24</i>	4. Others	Cancer-related genes, Predicted intracellular proteins, Predicted secreted proteins	3	0.05	30	0.03	#N/A	#N/A	#N/A	#N/A
<i>KHDC1L</i>	4. Others	Predicted intracellular proteins	3	0.05	41	0.04	#N/A	#N/A	#N/A	#N/A
<i>KRT32</i>	4. Others	Predicted intracellular proteins	3	0.05	28	0.03	#N/A	#N/A	#N/A	#N/A
<i>KRT37</i>	4. Others	Predicted intracellular proteins	3	0.05	17	0.02	#N/A	#N/A	#N/A	#N/A
<i>NGF</i>	4. Others	Cancer-related genes, Candidate cardiovascular disease genes, Disease related genes, Plasma proteins, Predicted secreted proteins, RAS pathway related proteins	3	0.05	13	0.01	#N/A	#N/A	#N/A	#N/A

<i>SEC14L4</i>	4. Others	Predicted intracellular proteins	3	0.05	111	0.10	#N/A	#N/A	#N/A	#N/A
<i>SLURP1</i>	4. Others	Disease related genes, Plasma proteins, Predicted secreted proteins	3	0.05	88	0.08	#N/A	#N/A	#N/A	#N/A
<i>TCHH</i>	4. Others	Cytoskeleton related proteins, Plasma proteins, Predicted intracellular proteins	3	0.05	23	0.02	#N/A	#N/A	#N/A	#N/A
<i>TEX19</i>	4. Others	Predicted intracellular proteins	3	0.05	55	0.05	#N/A	#N/A	#N/A	#N/A
<i>ZCCHC18</i>	4. Others	Predicted intracellular proteins	3	0.05	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>ACOXL</i>	4. Others	Predicted intracellular proteins	4	0.07	39	0.04	#N/A	#N/A	#N/A	#N/A
<i>C14orf182</i>	4. Others	Predicted intracellular proteins	4	0.07	16	0.01	#N/A	#N/A	#N/A	#N/A
<i>C5orf58</i>	4. Others	Predicted intracellular proteins	4	0.07	23	0.02	#N/A	#N/A	#N/A	#N/A
<i>IGF2BP1</i>	4. Others	Predicted intracellular proteins	4	0.07	34	0.03	#N/A	#N/A	#N/A	#N/A
<i>KISS1</i>	4. Others	Cancer-related genes, Disease related genes, Predicted secreted proteins	4	0.07	21	0.02	#N/A	#N/A	#N/A	#N/A
<i>NOG</i>	4. Others	Disease related genes, Predicted secreted proteins	4	0.07	27	0.02	#N/A	#N/A	#N/A	#N/A
<i>S100A5</i>	4. Others	Predicted intracellular proteins	4	0.07	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>TNIP3</i>	4. Others	Predicted intracellular proteins	4	0.07	46	0.04	#N/A	#N/A	#N/A	#N/A
<i>ARL9</i>	4. Others	Predicted intracellular proteins	5	0.09	34	0.03	#N/A	#N/A	#N/A	#N/A
<i>ARMC4</i>	4. Others	Cytoskeleton related proteins, Disease related genes, Predicted intracellular proteins	5	0.09	43	0.04	#N/A	#N/A	#N/A	#N/A
<i>CCL26</i>	4. Others	Predicted secreted proteins	5	0.09	14	0.01	#N/A	#N/A	#N/A	#N/A
<i>EN2</i>	4. Others	Disease related genes, Predicted intracellular proteins, Transcription factors	5	0.09	65	0.06	#N/A	#N/A	#N/A	#N/A
<i>FABP6</i>	4. Others	Predicted intracellular proteins, Predicted secreted proteins	5	0.09	80	0.07	#N/A	#N/A	#N/A	#N/A
<i>FAM133A</i>	4. Others	Predicted intracellular proteins	5	0.09	38	0.03	#N/A	#N/A	#N/A	#N/A
<i>SH3GL2</i>	4. Others	Predicted intracellular proteins	5	0.09	80	0.07	#N/A	#N/A	#N/A	#N/A
<i>C17orf104</i>	4. Others	Predicted intracellular proteins	6	0.10	33	0.03	#N/A	#N/A	#N/A	#N/A
<i>NEFL</i>	4. Others	Disease related genes, Predicted intracellular proteins	6	0.10	25	0.02	#N/A	#N/A	#N/A	#N/A
<i>NEFM</i>	4. Others	Plasma proteins, Predicted intracellular proteins	6	0.10	16	0.01	#N/A	#N/A	#N/A	#N/A
<i>RAB3B</i>	4. Others	Predicted intracellular proteins	6	0.10	40	0.04	#N/A	#N/A	#N/A	#N/A

<i>IL1A</i>	4. Others	Cancer-related genes, Plasma proteins, Predicted intracellular proteins	7	0.12	21	0.02	#N/A	#N/A	#N/A	#N/A
<i>PSG5</i>	4. Others	Predicted secreted proteins	7	0.12	52	0.05	#N/A	#N/A	#N/A	#N/A
<i>OTOR</i>	4. Others	Predicted secreted proteins	8	0.14	38	0.03	#N/A	#N/A	#N/A	#N/A
<i>CALB1</i>	4. Others	Predicted intracellular proteins	10	0.17	23	0.02	#N/A	#N/A	#N/A	#N/A
<i>FGF5</i>	4. Others	Predicted secreted proteins, RAS pathway related proteins	10	0.17	32	0.03	#N/A	#N/A	#N/A	#N/A
<i>UCA1</i>	5. ncRNA		9	0.16	45	0.04	Upregulated DEGs	2.13	4.38E-12	9.96E-12
<i>LOC145837</i>	5. ncRNA		3	0.05	18	0.02	Upregulated DEGs	1.33	1.84E-09	3.66E-09
<i>HARIA</i>	5. ncRNA		4	0.07	67	0.06	Upregulated DEGs	1.39	1.07E-08	2.04E-08
<i>LOC254559</i>	5. ncRNA		2	0.03	16	0.01	Non-differentially expressed genes	0.50	0.001044802	0.001445985
<i>EGOT</i>	5. ncRNA		2	0.03	11	0.01	Non-differentially expressed genes	-0.22	0.192718371	0.217782434
<i>LOC84856</i>	5. ncRNA		3	0.05	77	0.07	Non-differentially expressed genes	0.07	0.729673772	0.75240819
<i>LOC389332</i>	5. ncRNA		2	0.03	62	0.06	#N/A	#N/A	#N/A	#N/A
<i>LOC150622</i>	5. ncRNA		3	0.05	82	0.07	#N/A	#N/A	#N/A	#N/A
<i>MGC16121</i>	5. ncRNA		5	0.09	12	0.01	#N/A	#N/A	#N/A	#N/A
<i>ABCC13</i>	6. pseudo		6	0.10	95	0.09	Upregulated DEGs	6.01	1.78E-26	7.71E-26
<i>CYP2B7P1</i>	6. pseudo		8	0.14	29	0.03	Upregulated DEGs	3.76	3.33E-24	1.31E-23
<i>TCAM1P</i>	6. pseudo		2	0.03	103	0.09	Upregulated DEGs	3.09	1.21E-16	3.42E-16
<i>CYP4Z2P</i>	6. pseudo		2	0.03	11	0.01	Non-differentially expressed	0.92	0.000319973	0.000460643

							genes			
<i>LOC728024</i>	6. pseudo		2	0.03	14	0.01	Non-differentially expressed genes	-0.17	0.053750399	0.064468445
<i>ABCA17P</i>	6. pseudo		2	0.03	18	0.02	#N/A	#N/A	#N/A	#N/A
<i>FER1L4</i>	6. pseudo		2	0.03	25	0.02	#N/A	#N/A	#N/A	#N/A
<i>PCDHB17</i>	6. pseudo		2	0.03	32	0.03	#N/A	#N/A	#N/A	#N/A
<i>POM121L9_P</i>	6. pseudo		3	0.05	12	0.01	#N/A	#N/A	#N/A	#N/A
<i>GUCY1B2</i>	6. pseudo		4	0.07	16	0.01	#N/A	#N/A	#N/A	#N/A