

**Table 1. GO terms from the biological process ontology**

	GO Term	GO ID	Genes Annotated to the GO Term	GO Term Usage in Gene List	Genome Frequency (out of 19497 annotated genes)
1	signal transduction	GO:0007165	<i>ARID5B, CD7, CTBP2, KIF13B, RNF213, TIMP2</i>	6 of 12 genes, 50.00%	6030, 30.93%
2	anatomical structure development	GO:0048856	<i>ARID5B, CD7, CTBP2, KIF13B, RNF213, TIMP2</i>	6 of 12 genes, 50.00%	5588, 28.66%
3	biosynthetic process	GO:0009058	<i>ARID5B, CTBP2, MAFK, SARS</i>	4 of 12 genes, 33.33%	6416, 32.91%
4	cell differentiation	GO:0030154	<i>ARID5B, CTBP2, KIF13B, TIMP2</i>	4 of 12 genes, 33.33%	3981, 20.42%
5	cellular nitrogen compound metabolic process	GO:0034641	<i>ARID5B, CTBP2, MAFK, SARS</i>	4 of 12 genes, 33.33%	6622, 33.96%
6	transport	GO:0006810	<i>KIF13B, PANX1, SLC24A2, TIMP2</i>	4 of 12 genes, 33.33%	4956, 25.42%
7	<b>immune system process</b>	<b>GO:0002376</b>	<i>CD7, KIF13B, TIMP2</i>	3 of 12 genes, 25.00%	2974, 15.25%
8	cell-cell signaling	GO:0007267	<i>PANX1, RNF213, SLC24A2</i>	3 of 12 genes, 25.00%	1593, 8.17%
9	cellular protein modification process	GO:0006464	<i>ARID5B, RNF213, TIMP2</i>	3 of 12 genes, 25.00%	4113, 21.10%
10	cellular component assembly	GO:0022607	<i>PANX1, RNF213</i>	2 of 12 genes, 16.67%	2713, 13.91%
11	protein-containing complex assembly	GO:0065003	<i>PANX1, RNF213</i>	2 of 12 genes, 16.67%	1686, 8.65%
12	anatomical structure formation involved in morphogenesis	GO:0048646	<i>RNF213, SARS</i>	2 of 12 genes, 16.67%	1020, 5.23%
13	response to stress	GO:0006950	<i>MAFK, PANX1</i>	2 of 12 genes, 16.67%	3830, 19.64%
14	cell proliferation	GO:0008283	<i>CTBP2, TIMP2</i>	2 of 12 genes, 16.67%	1973, 10.12%
15	transmembrane transport	GO:0055085	<i>PANX1, SLC24A2</i>	2 of 12 genes, 16.67%	1534, 7.87%
16	catabolic process	GO:0009056	<i>RNF213, TIMP2</i>	2 of 12 genes, 16.67%	2443, 12.53%
17	reproduction	GO:0000003	<i>ARID5B</i>	1 of 12 genes, 8.33%	1391, 7.13%
18	cytoskeleton-dependent intracellular transport	GO:0030705	<i>KIF13B</i>	1 of 12 genes, 8.33%	157, 0.81%
19	nervous system process	GO:0050877	<i>SLC24A2</i>	1 of 12 genes, 8.33%	1364, 7.00%
20	protein targeting	GO:0006605	<i>KIF13B</i>	1 of 12 genes, 8.33%	397, 2.04%
21	homeostatic process	GO:0042592	<i>SLC24A2</i>	1 of 12 genes, 8.33%	1641, 8.42%
22	cellular amino acid metabolic process	GO:0006520	<i>SARS</i>	1 of 12 genes, 8.33%	367, 1.88%
23	extracellular matrix organization	GO:0030198	<i>TIMP2</i>	1 of 12 genes, 8.33%	335, 1.72%
24	cytoskeleton organization	GO:0007010	<i>FAM190B</i>	1 of 12 genes, 8.33%	1212, 6.22%
25	translation	GO:0006412	<i>SARS</i>	1 of 12 genes, 8.33%	604, 3.10%
26	mitotic cell cycle	GO:0000278	<i>TIMP2</i>	1 of 12 genes, 8.33%	976, 5.01%
27	small molecule metabolic process	GO:0044281	<i>SARS</i>	1 of 12 genes, 8.33%	2081, 10.67%
28	vesicle-mediated transport	GO:0016192	<i>TIMP2</i>	1 of 12 genes, 8.33%	2000, 10.26%
29	symbiont process	GO:0044403	<i>CTBP2</i>	1 of 12 genes, 8.33%	841, 4.31%
30	cell motility	GO:0048870	<i>ARID5B</i>	1 of 12 genes, 8.33%	1488, 7.63%
31	cell morphogenesis	GO:0000902	<i>KIF13B</i>	1 of 12 genes, 8.33%	932, 4.78%
32	tRNA metabolic process	GO:0006399	<i>SARS</i>	1 of 12 genes, 8.33%	188, 0.96%
33	chromosome organization	GO:0051276	<i>ARID5B</i>	1 of 12 genes, 8.33%	1174, 6.02%
34	aging	GO:0007568	<i>TIMP2</i>	1 of 12 genes, 8.33%	284, 1.46%
35	locomotion	GO:0040011	<i>ARID5B</i>	1 of 12 genes, 8.33%	1721, 8.83%
36	growth	GO:0040007	<i>ARID5B</i>	1 of 12 genes, 8.33%	922, 4.73%
37	cell cycle	GO:0007049	<i>TIMP2</i>	1 of 12 genes, 8.33%	1793, 9.20%

The Generic Gene Ontology (GO) Term Mapper tool was used to map granular GO annotations to a broader, higher-level set of terms. Note that two genes, *ZNF252* and *TMED10P*, did not map to any GO terms. The “immune system process” term is of particular interest since FA has been previously linked with the immune system.