Supplemental Table 5. List of GO terms used in Organ-specific Reshuffling

Row in Figure 3	GO Number	Gene Ontology Terms
1	GO:0000278	cell proliferation:cell cycle:mitotic cell cycle
2	GO:0000087	cell proliferation:cell cycle:M phase:M phase of mitotic cell cycle
3	GO:0007067	cell proliferation:cell cycle:M phase:nuclear division:mitosis
4	GO:0000279	cell proliferation:cell cycle:M phase
5	GO:0000280	cell proliferation:cell cycle:M phase:nuclear division
6	GO:0007049	cell proliferation:cell cycle
7	GO:0005554	molecular_function:molecular_function unknown
8	GO:0006519	metabolism:amino acid and derivative metabolism
9	GO:0006953	immune response:acute-phase response
10	GO:0000003	development:reproduction
11	GO:0019953	reproduction:sexual reproduction
12	GO:0016772	transferase activity, transferring phosphorus-containing groups
13	GO:0016740	catalytic activity:transferase activity
14	GO:0008152	metabolism
15	GO:0006066	metabolism:alcohol metabolism
16	GO:0003824	catalytic activity
17	GO:0005743	mitochondrial inner membrane
18	GO:0019866	membrane:inner membrane
19	GO:0005740	membrane:mitochondrial membrane
20	GO:0006118	metabolism:electron transport
21	GO:0005489	transporter activity:electron transporter activity
22	GO:0006091	metabolism:energy pathways
23	GO:0005996	metabolism:carbohydrate metabolism:monosaccharide metabolism
24	GO:0019318	metabolism:carbohydrate metabolism:monosaccharide metabolism:hexose metabolism
25	GO:0006006	metabolism:monosaccharide metabolism:hexose metabolism:glucose metabolism
26	GO:0015980	metabolism:energy pathways:energy derivation by oxidation of organic compounds
27	GO:0016651	oxidoreductase activity:oxidoreductase activity, acting on NADH or NADPH
28	GO:0016659	oxidoreductase activity: acting on NADH or NADPH, other acceptor
29	GO:0003954	electron transporter activity:NADH dehydrogenase activity
30	GO:0008137	hydrogen ion transporter activity:NADH dehydrogenase (ubiquinone) activity
31	GO:0015081	monovalent inorganic cation transporter activity:sodium ion transporter activity
32	GO:0016655	oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor
33	GO:0016491	atalytic activity:oxidoreductase activity
34	GO:0005739	mitochondrion
35	GO:0005386	transporter activity:carrier activity
36	GO:0015075	transporter activity:ion transporter activity
37	GO:0008324	ion transporter activity:cation transporter activity
38	GO:0015077	ion transporter activity:cation transporter activity:monovalent inorganic cation transporter activity
39	GO:0015078	cation transporter activity:monovalent inorganic cation transporter activity: hydrogen ion transporter activity
40	GO:0015399	transporter activity:carrier activity:primary active transporter activity
41	GO:0005737	intracellular:cytoplasm
42	GO:0005622	cell:intracellular
43	GO:0006810	cell growth and/or maintenance:transport
44	GO:0015837	cell growth and/or maintenance:transport:amine/polyamine transport
45	GO:0006865	cell growth and/or maintenance:transport:amine/polyamine transport:amino acid transport
46	GO:0015849	cell growth and/or maintenance:transport:organic acid transport
47	GO:0046942	cell growth and/or maintenance:transport:organic acid transport:carboxylic acid transport
48	GO:0005275	transporter activity:amine/polyamine transporter activity
49	GO:0015171	transporter activity:amine/polyamine transporter activity:amino acid transporter activity
50	GO:0008151	cell growth and/or maintenance
51	GO:0050875	cellular physiological process
52	GO:0007582	physiological process
53	GO:0008150	biological_process
54	GO:0050794	regulation of cellular process
55	GO:0005515	binding:protein binding
56	GO:0019955	binding:protein binding:cytokine binding
57	GO:0019965	cytokine binding:interleukin binding
58	GO:0004907	transmembrane receptor activity:interleukin receptor activity
59	GO:0009605	response to external stimulus
60	GO:0050896	response to stimulus
61	GO:0009607	response to biotic stimulus
62	GO:0006952	response to biotic stimulus:defense response
63	GO:0006955	defense response:immune response
64	GO:0050874	organismal physiological process
65	GO:0045012	MHC class II receptor activity
66	GO:0019884	antigen presentation:antigen presentation, exogenous antigen

67	GO:0019886	antigen processing, exogenous antigen via MHC class II
68	GO:0019882	defense response:immune response:antigen presentation
69	GO:0030333	defense response:immune response:antigen processing
70	GO:0004871	signal transducer activity
71	GO:0004888	transmembrane receptor activity
72	GO:0004872	signal transducer activity:receptor activity
73	GO:0001568	organogenesis:blood vessel development
74	GO:0001525	organogenesis:blood vessel development:angiogenesis
75	GO:0005886	membrane:plasma membrane
76	GO:0007154	cell communication
77	GO:0007155	cell communication:cell adhesion
78	GO:0007165	cell communication:signal transduction
79	GO:0009987	cellular process
80	GO:0005578	extracellular:extracellular matrix
81	GO:0005576	extracellular
82	GO:0005856	cytoplasm:cytoskeleton
83	GO:0006928	cellular physiological process:cell motility
84	GO:0006936	cell motility:muscle contraction
85	GO:0009653	development:morphogenesis
86	GO:0009887	:development:morphogenesis:organogenesis
87	GO:0008307	structural constituent of muscle
88	GO:0007517	morphogenesis:organogenesis:muscle development
89	GO:0030484	cytoplasm:muscle fiber
90	GO:0001584	transmembrane receptor activity:G-protein coupled receptor activity:rhodopsin-like receptor activity
91	GO:0050877	neurophysiological process
92	GO:0050879	organismal movement
93	GO:0019226	cell-cell signaling:transmission of nerve impulse
94	GO:0050905	neurophysiological process:neuromuscular physiological process
95	GO:0007268	cell communication:cell-cell signaling:transmission of nerve impulse:synaptic transmission
96	GO:0016311	metabolism:phosphorus metabolism:phosphate metabolism:dephosphorylation
97	GO:0006470	protein metabolism:protein modification:protein amino acid dephosphorylation
98	GO:0016064	immune response:humoral immune response:humoral defense mechanism (sensu Vertebrata)