lc_broader_go_categories

	GO.ID	Ancestor	Description
1	GO:0050911	GO:0003008	system process
2	GO:0050911	GO:0007600	sensory perception
3	GO:0050911	GO:0007606	sensory perception of chemical stimulus
4	GO:0050911	GO:0007608	sensory perception of smell
5	GO:0050911	GO:0008150	biological_process
6	GO:0050911	GO:0009593	detection of chemical stimulus
7	GO:0050911	GO:0032501	multicellular organismal process
8	GO:0050911	GO:0042221	response to chemical
9	GO:0050911	GO:0050877	nervous system process
10	GO:0050911	GO:0050896	response to stimulus
11	GO:0050911	GO:0050906	detection of stimulus involved in sensory perception
12	GO:0050911	GO:0050907	detection of chemical stimulus involved in sensory perception
13	GO:0050911	GO:0051606	detection of stimulus
14	GO:0050911	all	all
15	GO:0042415	GO:0006576	biogenic amine metabolic process
16	GO:0042415	GO:0006584	catecholamine metabolic process
17	GO:0042415	GO:0006725	cellular aromatic compound metabolic process
18	GO:0042415	GO:0006807	nitrogen compound metabolic process
19	GO:0042415	GO:0008150	biological_process
20	GO:0042415	GO:0008152	metabolic process
21	GO:0042415	GO:0009308	amine metabolic process
22	GO:0042415	GO:0009712	catechol-containing compound metabolic process
23	GO:0042415	GO:0009987	cellular process
24	GO:0042415	GO:0018958	phenol-containing compound metabolic process
25	GO:0042415	GO:0044237	cellular metabolic process
26	GO:0042415	GO:0071704	organic substance metabolic process
27	GO:0042415	GO:1901360	organic cyclic compound metabolic process
28	GO:0042415	GO:1901564	organonitrogen compound metabolic process
29	GO:0042415	GO:1901615	organic hydroxy compound metabolic process
30	GO:0042415	all	all
31	GO:0048015	GO:0007154	cell communication
32	GO:0048015	GO:0007165	signal transduction
33	GO:0048015	GO:0008150	biological_process
34	GO:0048015	GO:0009987	cellular process
35	GO:0048015	GO:0023052	signaling

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36	GO:0048015	GO:0035556	intracellular signal transduction
37	GO:0048015	GO:0050789	regulation of biological process
38	GO:0048015	GO:0050794	regulation of cellular process
39	GO:0048015	GO:0050896	response to stimulus
40	GO:0048015	GO:0051716	cellular response to stimulus
41	GO:0048015	GO:0065007	biological regulation
42	GO:0048015	all	all
43	GO:0044788	GO:0008150	biological_process
44	GO:0044788	GO:0044403	biological process involved in symbiotic interaction
45	GO:0044788	GO:0044419	biological process involved in interspecies interaction between organisms
46	GO:0044788	GO:0051702	biological process involved in interaction with symbiont
47	GO:0044788	GO:0051851	modulation by host of symbiont process
48	GO:0044788	all	all
49	GO:0022038	GO:0007275	multicellular organism development
50	GO:0022038	GO:0007399	nervous system development
51	GO:0022038	GO:0007417	central nervous system development
52	GO:0022038	GO:0007420	brain development
53	GO:0022038	GO:0008150	biological_process
54	GO:0022038	GO:0021537	telencephalon development
55	GO:0022038	GO:0030900	forebrain development
56	GO:0022038	GO:0032501	multicellular organismal process
57	GO:0022038	GO:0032502	developmental process
58	GO:0022038	GO:0048513	animal organ development
59	GO:0022038	GO:0048731	system development
60	GO:0022038	GO:0048856	anatomical structure development
61	GO:0022038	GO:0060322	head development
62	GO:0022038	all	all
63	GO:0032259	GO:0008150	biological_process
64	GO:0032259	GO:0008152	metabolic process
65	GO:0032259	all	all
66	GO:0046326	GO:0006810	transport
67	GO:0046326	GO:0008150	biological_process
68	GO:0046326	GO:0008643	carbohydrate transport
69	GO:0046326	GO:0008645	hexose transmembrane transport
70	GO:0046326	GO:0009987	cellular process
71	GO:0046326	GO:0010827	regulation of glucose transmembrane transport
72	GO:0046326	GO:0010828	positive regulation of glucose transmembrane transport
73	GO:0046326	GO:0015749	monosaccharide transmembrane transport

74	GO:0046326	GO:0032879	regulation of localization
75	GO:0046326	GO:0034219	carbohydrate transmembrane transport
76	GO:0046326	GO:0034762	regulation of transmembrane transport
77	GO:0046326	GO:0034764	positive regulation of transmembrane transport
78	GO:0046326	GO:0046323	glucose import
79	GO:0046326	GO:0046324	regulation of glucose import
80	GO:0046326	GO:0048518	positive regulation of biological process
81	GO:0046326	GO:0048522	positive regulation of cellular process
82	GO:0046326	GO:0050789	regulation of biological process
83	GO:0046326	GO:0050794	regulation of cellular process
84	GO:0046326	GO:0051049	regulation of transport
85	GO:0046326	GO:0051050	positive regulation of transport
86	GO:0046326	GO:0051179	localization
87	GO:0046326	GO:0051234	establishment of localization
88	GO:0046326	GO:0055085	transmembrane transport
89	GO:0046326	GO:0065007	biological regulation
90	GO:0046326	GO:0071702	organic substance transport
91	GO:0046326	GO:1904659	glucose transmembrane transport
92	GO:0046326	all	all
93	GO:0032689	GO:0001816	cytokine production
94	GO:0032689	GO:0001817	regulation of cytokine production
95	GO:0032689	GO:0001818	negative regulation of cytokine production
96	GO:0032689	GO:0008150	biological_process
97	GO:0032689	GO:0008152	metabolic process
98	GO:0032689	GO:0009058	biosynthetic process
99	GO:0032689	GO:0009059	macromolecule biosynthetic process
100	GO:0032689	GO:0009889	regulation of biosynthetic process
10	GO:0032689	GO:0009890	negative regulation of biosynthetic process
102	GO:0032689	GO:0009892	negative regulation of metabolic process
103	GO:0032689	GO:0009987	cellular process
104	GO:0032689	GO:0010467	gene expression
10	GO:0032689	GO:0010468	regulation of gene expression
106	GO:0032689	GO:0010556	regulation of macromolecule biosynthetic process
107	GO:0032689	GO:0010558	negative regulation of macromolecule biosynthetic process
108	GO:0032689	GO:0010605	negative regulation of macromolecule metabolic process
109	GO:0032689	GO:0010629	negative regulation of gene expression
110	GO:0032689	GO:0019222	regulation of metabolic process
111	GO:0032689	GO:0031323	regulation of cellular metabolic process
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112	GO:0032689	GO:0031324	negative regulation of cellular metabolic process
113	GO:0032689	GO:0031326	regulation of cellular biosynthetic process
114	GO:0032689	GO:0031327	negative regulation of cellular biosynthetic process
115	GO:0032689	GO:0032501	multicellular organismal process
116	GO:0032689	GO:0032609	type II interferon production
117	GO:0032689	GO:0032649	regulation of type II interferon production
118	GO:0032689	GO:0043170	macromolecule metabolic process
119	GO:0032689	GO:0044237	cellular metabolic process
120	GO:0032689	GO:0044249	cellular biosynthetic process
121	GO:0032689	GO:0048519	negative regulation of biological process
122	GO:0032689	GO:0048523	negative regulation of cellular process
123	GO:0032689	GO:0050789	regulation of biological process
124	GO:0032689	GO:0050794	regulation of cellular process
125	GO:0032689	GO:0051239	regulation of multicellular organismal process
126	GO:0032689	GO:0051241	negative regulation of multicellular organismal process
127	GO:0032689	GO:0060255	regulation of macromolecule metabolic process
128	GO:0032689	GO:0065007	biological regulation
129	GO:0032689	GO:0071704	organic substance metabolic process
130	GO:0032689	GO:1901576	organic substance biosynthetic process
131	GO:0032689	all	all
	GO:0032689 GO:0150052	all GO:0007275	all multicellular organism development
132			
132	GO:0150052	GO:0007275	multicellular organism development
132 133 134	GO:0150052 GO:0150052	GO:0007275 GO:0007399	multicellular organism development nervous system development
132 133 134 135	GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416	multicellular organism development nervous system development synapse assembly
132 133 134 135	GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150	multicellular organism development nervous system development synapse assembly biological_process
132 133 134 135 136	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987	multicellular organism development nervous system development synapse assembly biological_process cellular process
132 133 134 135 136 137	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization
132 133 134 135 136 137 138	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly
132 133 134 135 136 137 138	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process
132 133 134 135 136 137 138 140 141	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0032502	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process
132 133 134 135 136 137 138 140 141	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0032502 GO:0034329	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly
132 133 134 135 136 137 138 140 141	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0032502 GO:0034329 GO:0034330	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization
132 133 134 135 136 137 138 140 141 142 143	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0032501 GO:0032501 GO:0034329 GO:0034330 GO:0044085	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization cellular component biogenesis
132 133 134 135 136 137 138 140 141 142 143 144	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0032501 GO:0032501 GO:0034329 GO:0034330 GO:0044085 GO:0044087	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization cellular component biogenesis regulation of cellular component biogenesis
132 133 134 135 136 137 138 140 141 142 143 144	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0034329 GO:0034330 GO:0044085 GO:0044087 GO:0048731	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization cellular component biogenesis regulation of cellular component biogenesis system development
132 133 134 135 136 137 138 140 141 142 143 144 145	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0034329 GO:0034330 GO:0044085 GO:0044087 GO:0048731 GO:0048856	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization cellular component biogenesis regulation of cellular component biogenesis system development anatomical structure development
132 133 134 135 136 137 138 140 141 142 143 144 145 146 147	GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052 GO:0150052	GO:0007275 GO:0007399 GO:0007416 GO:0008150 GO:0009987 GO:0016043 GO:0022607 GO:0032501 GO:0034329 GO:0034330 GO:0044085 GO:0044087 GO:0048731 GO:0048856 GO:0050789	multicellular organism development nervous system development synapse assembly biological_process cellular process cellular component organization cellular component assembly multicellular organismal process developmental process cell junction assembly cell junction organization cellular component biogenesis regulation of cellular component biogenesis system development anatomical structure development regulation of biological process

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150	GO:0150052	GO:0050807	regulation of synapse organization
151	GO:0150052	GO:0050808	synapse organization
152	GO:0150052	GO:0051128	regulation of cellular component organization
153	GO:0150052	GO:0051963	regulation of synapse assembly
154	GO:0150052	GO:0065007	biological regulation
155	GO:0150052	GO:0065008	regulation of biological quality
156	GO:0150052	GO:0071840	cellular component organization or biogenesis
157	GO:0150052	GO:0099068	postsynapse assembly
158	GO:0150052	GO:0099173	postsynapse organization
159	GO:0150052	GO:0099175	regulation of postsynapse organization
160	GO:0150052	GO:1901888	regulation of cell junction assembly
161	GO:0150052	all	all
162	GO:0032480	GO:0001816	cytokine production
163	GO:0032480	GO:0001817	regulation of cytokine production
164	GO:0032480	GO:0001818	negative regulation of cytokine production
165	GO:0032480	GO:0008150	biological_process
166	GO:0032480	GO:0008152	metabolic process
167	GO:0032480	GO:0009058	biosynthetic process
168	GO:0032480	GO:0009059	macromolecule biosynthetic process
169	GO:0032480	GO:0009889	regulation of biosynthetic process
170	GO:0032480	GO:0009890	negative regulation of biosynthetic process
171	GO:0032480	GO:0009892	negative regulation of metabolic process
172	GO:0032480	GO:0009987	cellular process
173	GO:0032480	GO:0010467	gene expression
174	GO:0032480	GO:0010468	regulation of gene expression
175	GO:0032480	GO:0010556	regulation of macromolecule biosynthetic process
176	GO:0032480	GO:0010558	negative regulation of macromolecule biosynthetic process
177	GO:0032480	GO:0010605	negative regulation of macromolecule metabolic process
178	GO:0032480	GO:0010629	negative regulation of gene expression
179	GO:0032480	GO:0019222	regulation of metabolic process
180	GO:0032480	GO:0031323	regulation of cellular metabolic process
181	GO:0032480	GO:0031324	negative regulation of cellular metabolic process
182	GO:0032480	GO:0031326	regulation of cellular biosynthetic process
183	GO:0032480	GO:0031327	negative regulation of cellular biosynthetic process
184	GO:0032480	GO:0032479	regulation of type I interferon production
185	GO:0032480	GO:0032501	multicellular organismal process
186	GO:0032480	GO:0032606	type I interferon production
187	GO:0032480	GO:0043170	macromolecule metabolic process

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188	GO:0032480	GO:0044237	cellular metabolic process
189	GO:0032480	GO:0044249	cellular biosynthetic process
190	GO:0032480	GO:0048519	negative regulation of biological process
191	GO:0032480	GO:0048523	negative regulation of cellular process
192	GO:0032480	GO:0050789	regulation of biological process
193	GO:0032480	GO:0050794	regulation of cellular process
194	GO:0032480	GO:0051239	regulation of multicellular organismal process
195	GO:0032480	GO:0051241	negative regulation of multicellular organismal process
196	GO:0032480	GO:0060255	regulation of macromolecule metabolic process
197	GO:0032480	GO:0065007	biological regulation
198	GO:0032480	GO:0071704	organic substance metabolic process
199	GO:0032480	GO:1901576	organic substance biosynthetic process
200	GO:0032480	all	all
201	GO:0030155	GO:0007155	cell adhesion
202	GO:0030155	GO:0008150	biological_process
203	GO:0030155	GO:0009987	cellular process
204	GO:0030155	GO:0050789	regulation of biological process
205	GO:0030155	GO:0050794	regulation of cellular process
206	GO:0030155	GO:0065007	biological regulation
207	GO:0030155	all	all
	GO:0030155 GO:0001558	all GO:0008150	all biological_process
208			
208	GO:0001558	GO:0008150	biological_process
208	GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987	biological_process cellular process
208 209 210 211	GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043	biological_process cellular process cellular component organization
208 209 210 211 212	GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049	biological_process cellular process cellular component organization cell growth
208 209 210 211 212	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007	biological_process cellular process cellular component organization cell growth growth
208 209 210 211 212 213	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008	biological_process cellular process cellular component organization cell growth growth regulation of growth
208 209 210 211 212 213 214 215	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process
208 209 210 211 212 213 214 215	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process
208 209 210 211 212 213 214 215 216 217	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0051128	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization
208 209 210 211 212 213 214 215 216 217	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0051128 GO:0065007	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation
208 209 210 211 212 213 214 218 216 217	GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558 GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0050789 GO:0050794 GO:0051128 GO:0065007 GO:0071840	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis
208 209 210 211 212 213 214 218 216 217	GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0065007 GO:0071840 all	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis all
208 209 210 211 212 213 214 218 219 220 221	GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0065007 GO:0071840 all GO:0006810	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis all transport
208 209 210 211 212 213 214 218 219 220 221	GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0065007 GO:0071840 all GO:0006810 GO:0008150	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis all transport biological_process
208 209 210 211 212 213 214 218 219 220 221	GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0040008 GO:0050789 GO:0050794 GO:0065007 GO:0071840 all GO:0006810 GO:0009987	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis all transport biological_process cellular process cellular process
208 209 210 211 212 213 214 218 216 217 218 220 221 222	GO:0001558	GO:0008150 GO:0009987 GO:0016043 GO:0016049 GO:0040007 GO:0050789 GO:0050794 GO:0051128 GO:0065007 GO:0071840 all GO:0006810 GO:0009987 GO:00016192	biological_process cellular process cellular component organization cell growth growth regulation of growth regulation of biological process regulation of cellular process regulation of cellular component organization biological regulation cellular component organization or biogenesis all transport biological_process cellular process vesicle-mediated transport

226	GO:0036465	GO:0051641	cellular localization
227	GO:0036465	GO:0051649	establishment of localization in cell
228	GO:0036465	GO:0099003	vesicle-mediated transport in synapse
229	GO:0036465	GO:0099504	synaptic vesicle cycle
230	GO:0036465	all	all
231	GO:0071466	GO:0008150	biological_process
232	GO:0071466	GO:0009410	response to xenobiotic stimulus
233	GO:0071466	GO:0009987	cellular process
234	GO:0071466	GO:0042221	response to chemical
235	GO:0071466	GO:0050896	response to stimulus
236	GO:0071466	GO:0051716	cellular response to stimulus
237	GO:0071466	GO:0070887	cellular response to chemical stimulus
238	GO:0071466	all	all
239	GO:0000278	GO:0007049	cell cycle
240	GO:0000278	GO:0008150	biological_process
241	GO:0000278	GO:0009987	cellular process
242	GO:0000278	all	all
243	GO:0007286	GO:0000003	reproduction
244	GO:0007286	GO:0003006	developmental process involved in reproduction
245	GO:0007286	GO:0007276	gamete generation
246	GO:0007286	GO:0007281	germ cell development
247	GO:0007286	GO:0007283	spermatogenesis
248	GO:0007286	GO:0008150	biological_process
249	GO:0007286	GO:0009987	cellular process
250	GO:0007286	GO:0019953	sexual reproduction
251	GO:0007286	GO:0022412	cellular process involved in reproduction in multicellular organism
252	GO:0007286	GO:0022414	reproductive process
253	GO:0007286	GO:0030154	cell differentiation
254	GO:0007286	GO:0032501	multicellular organismal process
255	GO:0007286	GO:0032502	developmental process
256	GO:0007286	GO:0032504	multicellular organism reproduction
257	GO:0007286	GO:0048232	male gamete generation
258	GO:0007286	GO:0048468	cell development
259	GO:0007286	GO:0048515	spermatid differentiation
260	GO:0007286	GO:0048609	multicellular organismal reproductive process
261	GO:0007286	GO:0048856	anatomical structure development
262	GO:0007286	GO:0048869	cellular developmental process
263	GO:0007286	all	all
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