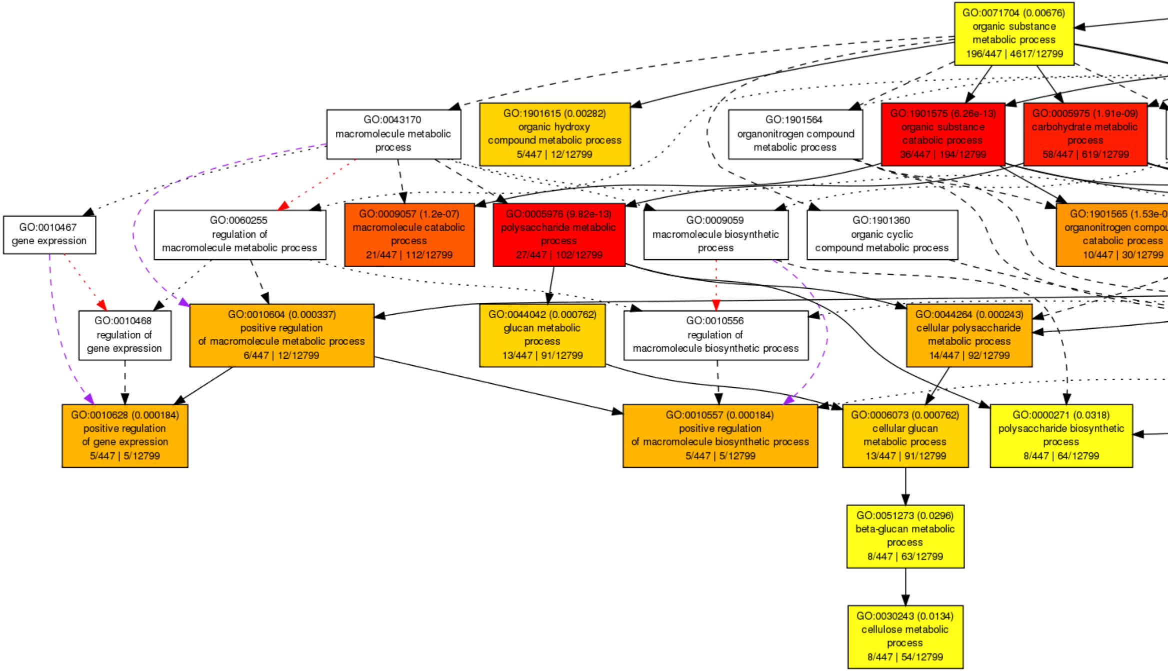
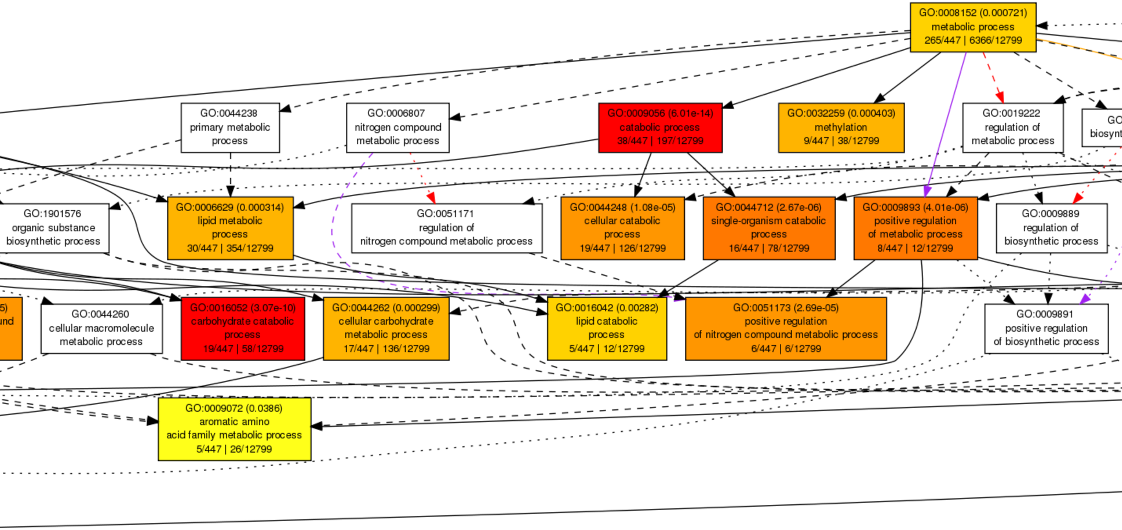
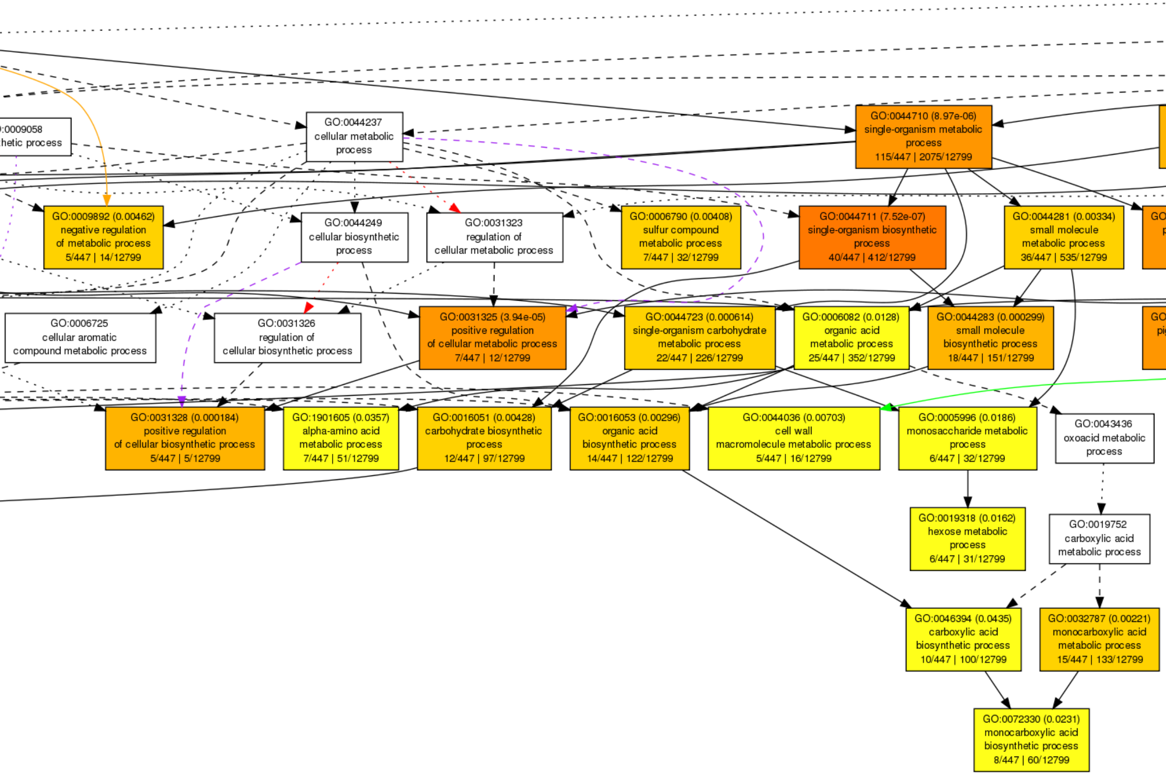
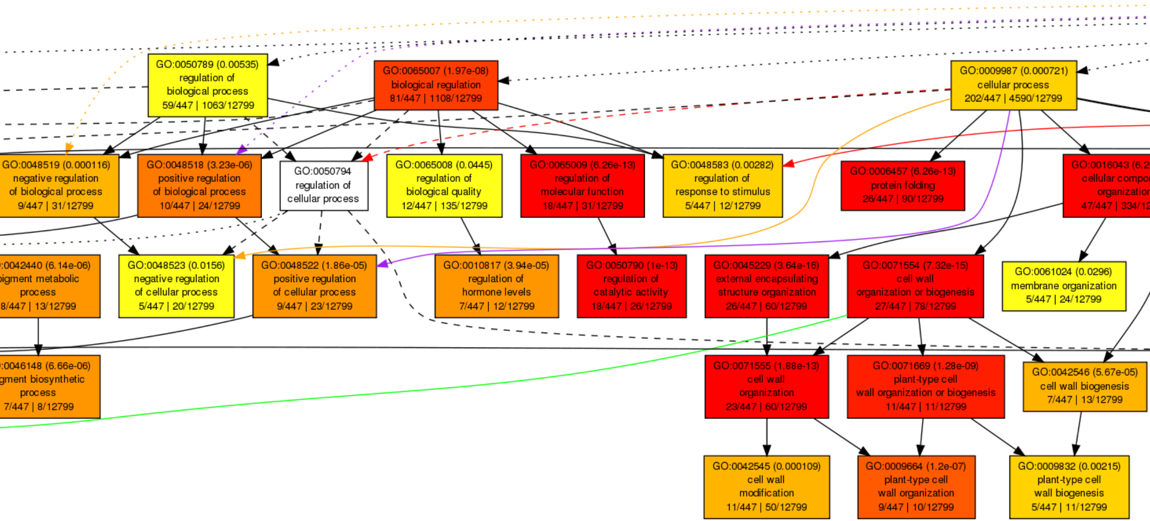
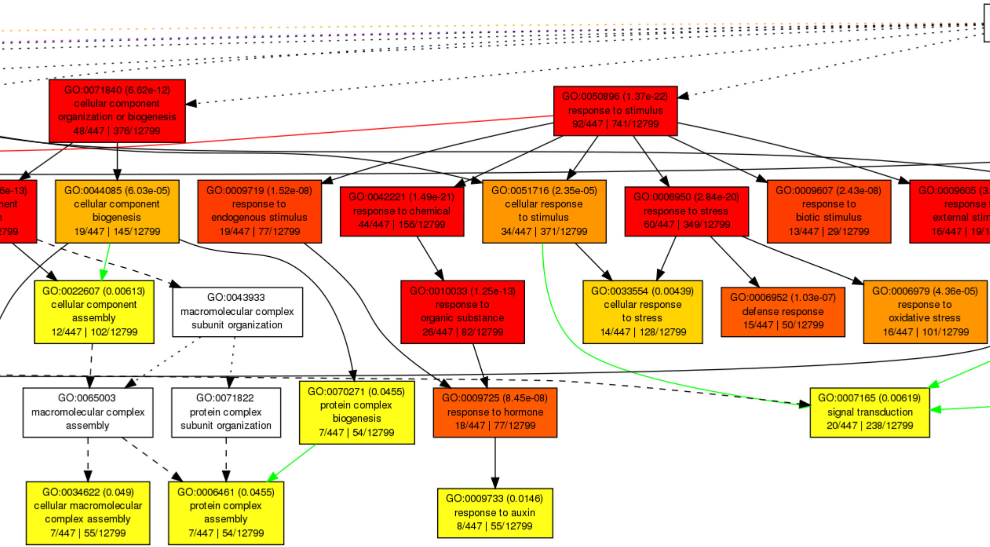
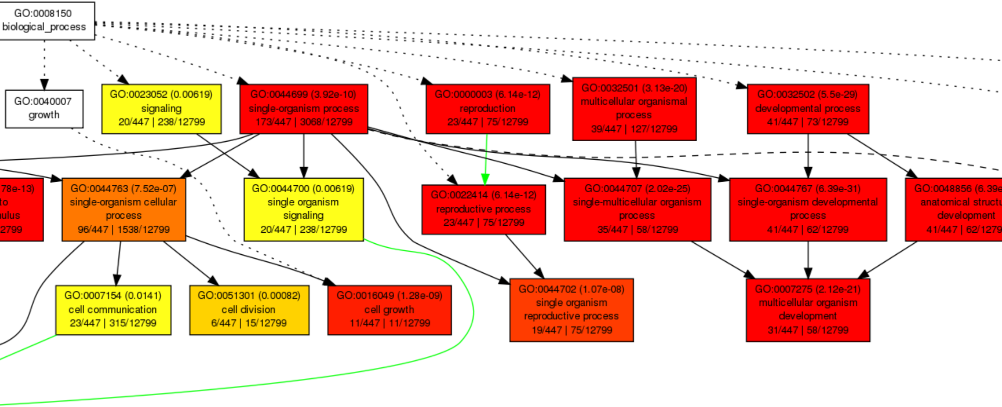

GO:0071704 (0.00676)
organic substance
metabolic process
196/447 | 4617/12799
GO:0043170
macromolecule metabolic
process
GO:1901615 (0.00282)
organic hydroxy
compound metabolic process
5/447 | 12/12799
GO:1901564
organonitrogen compound
metabolic process
GO:1901575 (6.26e-13)
organic substance
catabolic process
36/447 | 194/12799
GO:0005975 (1.91e-09)
carbohydrate metabolic
process
58/447 | 619/12799
GO:0010467
gene expression
GO:0060255
regulation of
macromolecule metabolic process
GO:0009057 (1.2e-07)
macromolecule catabolic
process
21/447 | 112/12799
GO:0005976 (9.82e-13)
polysaccharide metabolic
process
27/447 | 102/12799
GO:0009059
macromolecule biosynthetic
process
GO:1901360
organic cyclic
compound metabolic process
GO:1901565 (1.53e-0
organonitrogen compou
catabolic process
10/447 | 30/12799
GO:0010468
regulation of
gene expression
GO:0010604 (0.000337)
positive regulation
of macromolecule metabolic process
6/447 | 12/12799
GO:0044042 (0.000762)
glucan metabolic
process
13/447 | 91/12799
GO:0010556
regulation of
macromolecule biosynthetic process
GO:0044264 (0.000243)
cellular polysaccharide
metabolic process
14/447 | 92/12799
GO:0010628 (0.000184)
positive regulation
of gene expression
5/447 | 5/12799
GO:0010557 (0.000184)
positive regulation
of macromolecule biosynthetic process
5/447 | 5/12799
GO:0006073 (0.000762)
cellular glucan
metabolic process
13/447 | 91/12799
GO:0000271 (0.0318)
polysaccharide biosynthetic
process
8/447 | 64/12799
GO:0051273 (0.0296)
beta-glucan metabolic
process
8/447 | 63/12799
GO:0030243 (0.0134)
cellulose metabolic
process
8/447 | 54/12799

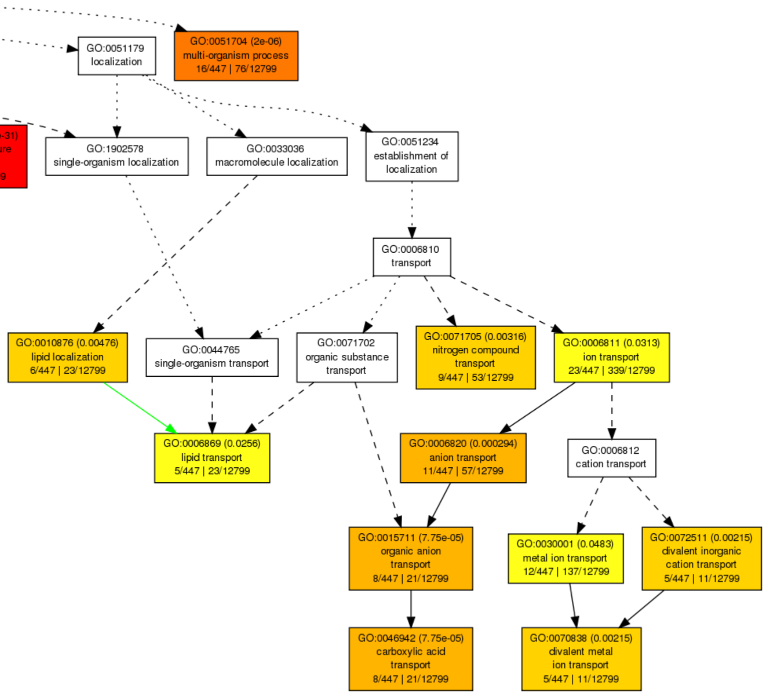

GO:0008152 (0.000721)
metabolic process
265/447 | 6366/12799
GO:0044238
primary metabolic process
GO:0006807
nitrogen compound metabolic process
GO:0009056 (6.01e-14)
catabolic process
38/447 | 197/12799
GO:0032259 (0.000403)
methylation
9/447 | 38/12799
GO:0019222
regulation of metabolic process
GO
biosynt
GO:1901576
organic substance biosynthetic process
GO:0006629 (0.000314)
lipid metabolic process
30/447 | 354/12799
GO:0051171
regulation of nitrogen compound metabolic process
GO:0044248 (1.08e-05)
cellular catabolic process
19/447 | 126/12799
GO:0044712 (2.67e-06)
single-organism catabolic process
16/447 | 78/12799
GO:0009893 (4.01e-06)
positive regulation of metabolic process
8/447 | 12/12799
GO:0009889
regulation of biosynthetic process
5)
und
GO:0044260
cellular macromolecule metabolic process
GO:0016052 (3.07e-10)
carbohydrate catabolic process
19/447 | 58/12799
GO:0044262 (0.000299)
cellular carbohydrate metabolic process
17/447 | 136/12799
GO:0016042 (0.00282)
lipid catabolic process
5/447 | 12/12799
GO:0051173 (2.69e-05)
positive regulation of nitrogen compound metabolic process
6/447 | 6/12799
GO:0009891
positive regulation of biosynthetic process
GO:0009072 (0.0386)
aromatic amino acid family metabolic process
5/447 | 26/12799


:0009058
hetic process
GO:0044237
cellular metabolic
process
GO:0044710 (8.97e-06)
single-organism metabolic
process
115/447 | 2075/12799
GO:0009892 (0.00462)
negative regulation
of metabolic process
5/447 | 14/12799
GO:0044249
cellular biosynthetic
process
GO:0031323
regulation of
cellular metabolic process
GO:0006790 (0.00408)
sulfur compound
metabolic process
7/447 | 32/12799
GO:0044711 (7.52e-07)
single-organism biosynthetic
process
40/447 | 412/12799
GO:0044281 (0.00334)
small molecule
metabolic process
36/447 | 535/12799
GO:0006725
cellular aromatic
compound metabolic process
GO:0031326
regulation of
cellular biosynthetic process
GO:0031325 (3.94e-05)
positive regulation
of cellular metabolic process
7/447 | 12/12799
GO:0044723 (0.000614)
single-organism carbohydrate
metabolic process
22/447 | 226/12799
GO:0006082 (0.0128)
organic acid
metabolic process
25/447 | 352/12799
GO:0044283 (0.000299)
small molecule
biosynthetic process
18/447 | 151/12799
GO:0031328 (0.000184)
positive regulation
of cellular biosynthetic process
5/447 | 5/12799
GO:1901605 (0.0357)
alpha-amino acid
metabolic process
7/447 | 51/12799
GO:0016051 (0.00428)
carbohydrate biosynthetic
process
12/447 | 97/12799
GO:0016053 (0.00296)
organic acid
biosynthetic process
14/447 | 122/12799
GO:0044036 (0.00703)
cell wall
macromolecule metabolic process
5/447 | 16/12799
GO:0005996 (0.0186)
monosaccharide metabolic
process
6/447 | 32/12799
GO:0043436
oxoacid metabolic
process
GO:0019318 (0.0162)
hexose metabolic
process
6/447 | 31/12799
GO:0019752
carboxylic acid
metabolic process
GO:0046394 (0.0435)
carboxylic acid
biosynthetic process
10/447 | 100/12799
GO:0032787 (0.00221)
monocarboxylic acid
metabolic process
15/447 | 133/12799
GO:0072330 (0.0231)
monocarboxylic acid
biosynthetic process
8/447 | 60/12799


GO:0050789 (0.00535)
regulation of
biological process
59/447 | 1063/12799
GO:0065007 (1.97e-08)
biological regulation
81/447 | 1108/12799
GO:0009987 (0.000721)
cellular process
202/447 | 4590/12799
GO:0048519 (0.000116)
negative regulation
of biological process
9/447 | 31/12799
GO:0048518 (3.23e-06)
positive regulation
of biological process
10/447 | 24/12799
GO:0050794
regulation of
cellular process
GO:0065008 (0.0445)
regulation of
biological quality
12/447 | 135/12799
GO:0065009 (6.26e-13)
regulation of
molecular function
18/447 | 31/12799
GO:0048583 (0.00282)
regulation of
response to stimulus
5/447 | 12/12799
GO:0006457 (6.26e-13)
protein folding
26/447 | 90/12799
GO:0016043 (6.2
cellular compo
organization
47/447 | 334/12
:0042440 (6.14e-06)
pigment metabolic
process
8/447 | 13/12799
GO:0048523 (0.0156)
negative regulation
of cellular process
5/447 | 20/12799
GO:0048522 (1.86e-05)
positive regulation
of cellular process
9/447 | 23/12799
GO:0010817 (3.94e-05)
regulation of
hormone levels
7/447 | 12/12799
GO:0050790 (1e-13)
regulation of
catalytic activity
18/447 | 26/12799
GO:0045229 (3.64e-16)
external encapsulating
structure organization
26/447 | 60/12799
GO:0071554 (7.32e-15)
cell wall
organization or biogenesis
27/447 | 78/12799
GO:0061024 (0.0296)
membrane organization
5/447 | 24/12799
:0046148 (6.66e-06)
gment biosynthetic
process
7/447 | 8/12799
GO:0071555 (1.88e-13)
cell wall
organization
23/447 | 60/12799
GO:0071669 (1.28e-09)
plant-type cell
wall organization or biogenesis
11/447 | 11/12799
GO:0042546 (5.67e-05)
cell wall biogenesis
7/447 | 13/12799
GO:0042545 (0.000109)
cell wall
modification
11/447 | 50/12799
GO:0009664 (1.2e-07)
plant-type cell
wall organization
9/447 | 10/12799
GO:0009832 (0.00215)
plant-type cell
wall biogenesis
5/447 | 11/12799


GO:0071840 (6.62e-12) cellular component organization or biogenesis 48/447 | 376/12799
GO:0050896 (1.37e-22) response to stimulus 92/447 | 741/12799
6e-13) nent n 2799
GO:0044085 (6.03e-05) cellular component biogenesis 19/447 | 145/12799
GO:0009719 (1.52e-08) response to endogenous stimulus 19/447 | 77/12799
GO:0042221 (1.49e-21) response to chemical 44/447 | 156/12799
GO:0051716 (2.35e-05) cellular response to stimulus 34/447 | 371/12799
GO:0006950 (2.84e-20) response to stress 60/447 | 349/12799
GO:0009607 (2.43e-08) response to biotic stimulus 13/447 | 29/12799
GO:0009605 (3. response external stim 16/447 | 19/1
GO:0022607 (0.00613) cellular component assembly 12/447 | 102/12799
GO:0043933 macromolecular complex subunit organization
GO:0010033 (1.25e-13) response to organic substance 26/447 | 82/12799
GO:0033554 (0.00439) cellular response to stress 14/447 | 128/12799
GO:0006952 (1.03e-07) defense response 15/447 | 50/12799
GO:0006979 (4.36e-05) response to oxidative stress 16/447 | 101/12799
GO:0065003 macromolecular complex assembly
GO:0071822 protein complex subunit organization
GO:0070271 (0.0455) protein complex biogenesis 7/447 | 54/12799
GO:0009725 (8.45e-08) response to hormone 18/447 | 77/12799
GO:0007165 (0.00619) signal transduction 20/447 | 238/12799
GO:0034622 (0.049) cellular macromolecular complex assembly 7/447 | 55/12799
GO:0006461 (0.0455) protein complex assembly 7/447 | 54/12799
GO:0009733 (0.0146) response to auxin 8/447 | 55/12799


GO:0008150
biological_process
GO:0040007
growth
GO:0023052 (0.00619)
signaling
20/447 | 238/12799
GO:0044699 (3.92e-10)
single-organism process
173/447 | 3068/12799
GO:0000003 (6.14e-12)
reproduction
23/447 | 75/12799
GO:0032501 (3.13e-20)
multicellular organismal
process
39/447 | 127/12799
GO:0032502 (5.5e-29)
developmental process
41/447 | 73/12799
78e-13)
to
ulus
2799
GO:0044763 (7.52e-07)
single-organism cellular
process
96/447 | 1538/12799
GO:0044700 (0.00619)
single organism
signaling
20/447 | 238/12799
GO:0022414 (6.14e-12)
reproductive process
23/447 | 75/12799
GO:0044707 (2.02e-25)
single-multicellular organism
process
35/447 | 58/12799
GO:0044767 (6.39e-31)
single-organism developmental
process
41/447 | 62/12799
GO:0048856 (6.39e
anatomical structu
development
41/447 | 62/1279
GO:0007154 (0.0141)
cell communication
23/447 | 315/12799
GO:0051301 (0.00082)
cell division
6/447 | 15/12799
GO:0016049 (1.28e-09)
cell growth
11/447 | 11/12799
GO:0044702 (1.07e-08)
single organism
reproductive process
19/447 | 75/12799
GO:0007275 (2.12e-21)
multicellular organism
development
31/447 | 58/12799


GO:0051179
localization
GO:0051704 (2e-06)
multi-organism process
16/447 | 76/12799
-31)
ure
9
GO:1902578
single-organism localization
GO:0033036
macromolecule localization
GO:0051234
establishment of
localization
GO:0006810
transport
GO:0010876 (0.00476)
lipid localization
6/447 | 23/12799
GO:0044765
single-organism transport
GO:0071702
organic substance
transport
GO:0071705 (0.00316)
nitrogen compound
transport
9/447 | 53/12799
GO:0006811 (0.0313)
ion transport
23/447 | 339/12799
GO:0006869 (0.0256)
lipid transport
5/447 | 23/12799
GO:0006820 (0.000294)
anion transport
11/447 | 57/12799
GO:0006812
cation transport
GO:0015711 (7.75e-05)
organic anion
transport
8/447 | 21/12799
GO:0030001 (0.0483)
metal ion transport
12/447 | 137/12799
GO:0072511 (0.00215)
divalent inorganic
cation transport
5/447 | 11/12799
GO:0046942 (7.75e-05)
carboxylic acid
transport
8/447 | 21/12799
GO:0070838 (0.00215)
divalent metal
ion transport
5/447 | 11/12799