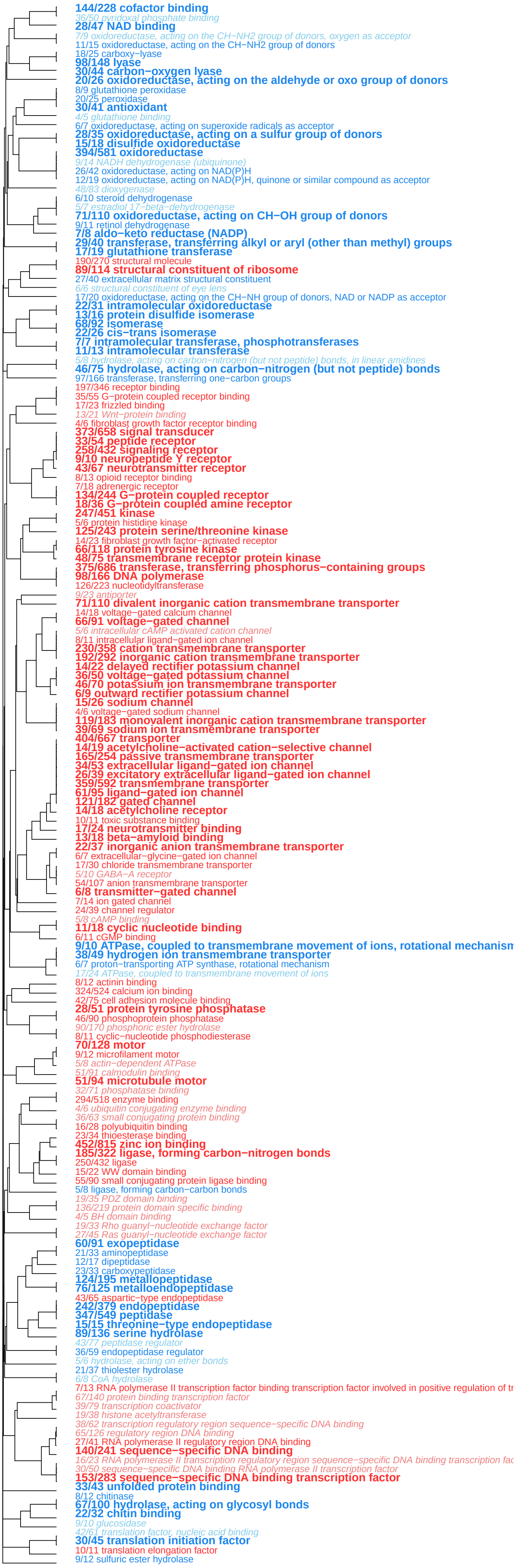
144/228 cofactor binding
36/50 pyridoxal phosphate binding
28/47 NAD binding
7/9 oxidoreductase, acting on the CH−NH2 group of donors, oxygen as acceptor
11/15 oxidoreductase, acting on the CH−NH2 group of donors
18/25 carboxy−lyase
98/148 lyase
30/44 carbon−oxygen lyase
20/26 oxidoreductase, acting on the aldehyde or oxo group of donors
8/9 glutathione peroxidase
20/25 peroxidase
30/41 antioxidant
4/5 glutathione binding
6/7 oxidoreductase, acting on superoxide radicals as acceptor
28/35 oxidoreductase, acting on a sulfur group of donors
15/18 disulfide oxidoreductase
394/581 oxidoreductase
9/14 NADH dehydrogenase (ubiquinone)
26/42 oxidoreductase, acting on NAD(P)H
12/19 oxidoreductase, acting on NAD(P)H, quinone or similar compound as acceptor
48/83 dioxygenase
6/10 steroid dehydrogenase
5/7 estradiol 17−beta−dehydrogenase
71/110 oxidoreductase, acting on CH−OH group of donors
9/11 retinol dehydrogenase
7/8 aldo−keto reductase (NADP)
29/40 transferase, transferring alkyl or aryl (other than methyl) groups
17/19 glutathione transferase
190/270 structural molecule
89/114 structural constituent of ribosome
27/40 extracellular matrix structural constituent
6/6 structural constituent of eye lens
17/20 oxidoreductase, acting on the CH−NH group of donors, NAD or NADP as acceptor
22/31 intramolecular oxidoreductase
13/16 protein disulfide isomerase
68/92 isomerase
22/26 cis−trans isomerase
7/7 intramolecular transferase, phosphotransferases
11/13 intramolecular transferase
5/8 hydrolase, acting on carbon−nitrogen (but not peptide) bonds, in linear amidines
46/75 hydrolase, acting on carbon−nitrogen (but not peptide) bonds
97/166 transferase, transferring one−carbon groups
197/346 receptor binding
35/55 G−protein coupled receptor binding
17/23 frizzled binding
13/21 Wnt−protein binding
4/6 fibroblast growth factor receptor binding
373/658 signal transducer
33/54 peptide receptor
258/432 signaling receptor
9/10 neuropeptide Y receptor
43/67 neurotransmitter receptor
8/13 opioid receptor binding
7/18 adrenergic receptor
134/244 G−protein coupled receptor
18/36 G−protein coupled amine receptor
247/451 kinase
5/6 protein histidine kinase
125/243 protein serine/threonine kinase
14/23 fibroblast growth factor−activated receptor
66/118 protein tyrosine kinase
48/75 transmembrane receptor protein kinase
375/686 transferase, transferring phosphorus−containing groups
98/166 DNA polymerase
126/223 nucleotidyltransferase
9/23 antiporter
71/110 divalent inorganic cation transmembrane transporter
14/18 voltage−gated calcium channel
66/91 voltage−gated channel
5/6 intracellular cAMP activated cation channel
8/11 intracellular ligand−gated ion channel
230/358 cation transmembrane transporter
192/292 inorganic cation transmembrane transporter
14/22 delayed rectifier potassium channel
36/50 voltage−gated potassium channel
46/70 potassium ion transmembrane transporter
6/9 outward rectifier potassium channel
15/26 sodium channel
4/6 voltage−gated sodium channel
119/183 monovalent inorganic cation transmembrane transporter
39/69 sodium ion transmembrane transporter
404/667 transporter
14/19 acetylcholine−activated cation−selective channel
165/254 passive transmembrane transporter
34/53 extracellular ligand−gated ion channel
26/39 excitatory extracellular ligand−gated ion channel
359/592 transmembrane transporter
61/95 ligand−gated ion channel
121/182 gated channel
14/18 acetylcholine receptor
10/11 toxic substance binding
17/24 neurotransmitter binding
13/18 beta−amyloid binding
22/37 inorganic anion transmembrane transporter
6/7 extracellular−glycine−gated ion channel
17/30 chloride transmembrane transporter
5/10 GABA−A receptor
54/107 anion transmembrane transporter
6/8 transmitter−gated channel
7/14 ion gated channel
24/39 channel regulator
5/8 cAMP binding
11/18 cyclic nucleotide binding
6/11 cGMP binding
9/10 ATPase, coupled to transmembrane movement of ions, rotational mechanism
38/49 hydrogen ion transmembrane transporter
6/7 proton−transporting ATP synthase, rotational mechanism
17/24 ATPase, coupled to transmembrane movement of ions
8/12 actinin binding
324/524 calcium ion binding
42/75 cell adhesion molecule binding
28/51 protein tyrosine phosphatase
46/90 phosphoprotein phosphatase
90/170 phosphoric ester hydrolase
8/11 cyclic−nucleotide phosphodiesterase
70/128 motor
9/12 microfilament motor
5/8 actin−dependent ATPase
51/91 calmodulin binding
51/94 microtubule motor
32/71 phosphatase binding
294/518 enzyme binding
4/6 ubiquitin conjugating enzyme binding
36/63 small conjugating protein binding
16/28 polyubiquitin binding
23/34 thioesterase binding
452/815 zinc ion binding
185/322 ligase, forming carbon−nitrogen bonds
250/432 ligase
15/22 WW domain binding
55/90 small conjugating protein ligase binding
5/8 ligase, forming carbon−carbon bonds
19/35 PDZ domain binding
136/219 protein domain specific binding
4/5 BH domain binding
19/33 Rho guanyl−nucleotide exchange factor
27/45 Ras guanyl−nucleotide exchange factor
60/91 exopeptidase
21/33 aminopeptidase
12/17 dipeptidase
23/33 carboxypeptidase
124/195 metallopeptidase
76/125 metalloendopeptidase
43/65 aspartic−type endopeptidase
242/379 endopeptidase
347/549 peptidase
15/15 threonine−type endopeptidase
89/136 serine hydrolase
43/77 peptidase regulator
36/59 endopeptidase regulator
5/6 hydrolase, acting on ether bonds
21/37 thiolester hydrolase
6/8 CoA hydrolase
7/13 RNA polymerase II transcription factor binding transcription factor involved in positive regulation of tr
67/140 protein binding transcription factor
39/79 transcription coactivator
19/38 histone acetyltransferase
38/62 transcription regulatory region sequence−specific DNA binding
65/126 regulatory region DNA binding
27/41 RNA polymerase II regulatory region DNA binding
140/241 sequence−specific DNA binding
16/23 RNA polymerase II transcription regulatory region sequence−specific DNA binding transcription fac
30/50 sequence−specific DNA binding RNA polymerase II transcription factor
153/283 sequence−specific DNA binding transcription factor
33/43 unfolded protein binding
8/12 chitinase
67/100 hydrolase, acting on glycosyl bonds
22/32 chitin binding
9/10 glucosidase
42/61 translation factor, nucleic acid binding
30/45 translation initiation factor
10/11 translation elongation factor
9/12 sulfuric ester hydrolase
p < 0.01
p < 0.05
p < 0.1