

level 1	level 2	level 3	level 4	level 5	level 6	total
01 METABOLISM	9	53	85	88	12	248
02 ENERGY	15	30	10	0	0	56
04 STORAGE PROTEIN	2	0	0	0	0	3
10 CELL CYCLE AND DNA PROCESSING	2	10	24	10	0	47
11 TRANSCRIPTION	3	9	7	8	0	28
12 PROTEIN SYNTHESIS	4	4	0	0	0	9
14 PROTEIN FATE (folding, modification, destination)	5	10	6	0	0	22
16 PROTEIN WITH BINDING FUNCTION OR COFACTOR REQUIREMENT (structural or cataly	13	22	0	0	0	36
18 PROTEIN ACTIVITY REGULATION	2	9	2	6	0	20
20 CELLULAR TRANSPORT, TRANSPORT FACILITATION AND TRANSPORT ROUTES	3	32	30	9	4	79
30 CELLULAR COMMUNICATION/SIGNAL TRANSDUCTION MECHANISM	2	6	22	17	0	48
32 CELL RESCUE, DEFENSE AND VIRULENCE	4	22	16	2	0	45
34 INTERACTION WITH THE CELLULAR ENVIRONMENT	5	16	15	1	0	38
36 INTERACTION WITH THE ENVIRONMENT (Systemic)	7	12	37	20	0	77
38 TRANSPOSABLE ELEMENTS, VIRAL AND PLASMID PROTEINS	6	0	0	0	0	7
40 CELL FATE	5	6	11	7	0	30
41 DEVELOPMENT (Systemic)	3	24	19	2	0	49
42 BIOGENESIS OF CELLULAR COMPONENTS	25	28	0	0	0	54
43 CELL TYPE DIFFERENTIATION	3	24	29	5	0	62
45 TISSUE DIFFERENTIATION	3	15	15	0	0	34
47 ORGAN DIFFERENTIATION	3	16	44	14	2	80
70 SUBCELLULAR LOCALIZATION	25	36	0	0	0	62
73 CELL TYPE LOCALIZATION	3	22	24	5	0	55
75 TISSUE LOCALIZATION	3	19	12	0	0	35
77 ORGAN LOCALIZATION	3	16	44	14	2	80
78 ubiquitous expression	0	0	0	0	0	1
98 CLASSIFICATION NOT YET CLEAR-CUT	0	0	0	0	0	1
99 UNCLASSIFIED PROTEINS	0	0	0	0	0	1

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Table S1 Number of functional categories in different levels of the main branches of FunCat.  
For the 28 main branches of FunCat the number of functional categories for each hierarchical level are given.