

panther subfamilies	69566
refG members	32991
two or more refG members	14583

refG organisms	subfamilies
1	18408
2	2036
3	2272
4	2559
5	3606
6	895
7	934
8	447
9	457
10	481
11	769
12	127



How many panther subfamilies have genes from how many refG organisms?

How many panther subfamilies have refG GO annotation?

panther subfamilies	69566							
subfamilies with refG members	32991				subfamilies with two or more refG members	14583		
GO annotation	F	P	C		GO annotation	F	P	C
refG exp	11653	13488	12545		refG exp	8864	9074	9088
=>	35%	41%	38%		=>	61%	62%	62%
no refG exp	21338	19503	20446		no refG exp	5719	5509	5495
refG exp/iss	15276	15141	13901		refG exp/iss	9741	9571	9514
=>	46%	46%	42%		=>	67%	66%	65%
no refG exp/iss	17715	17850	19090		no refG exp/iss	4842	5012	5069
some refG annotation	24265	22385	22102		some refG annotation	12810	12314	12974
=>	74%	68%	67%		=>	88%	84%	89%
no refG annotation	8726	10606	10889		no refG annotation	1773	2269	1609

For each subfamily,
 what type of GO annotation (if any) does each refG organism have?

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
subfamily	subfamily_name	organisms	human	mouse	rat	chicken	zfish	fly	worm	dicty	dicot	yeast	pombe	ecoli
PTHR10000:SF0	PHOSPHOSERINE PHOS	11	Human_e	Mouse_o	Rat_iss	Chicken	Zfish_oth	Fly_iss		Dicty_iss	Dicot_exp	Yeast_exp	Pombe_iss	Ecoli_exp
PTHR10003:SF10	EXTRACELLULAR SUPER	4	Human_o	Mouse_e	Rat_exp	Chicken_other								
PTHR10003:SF11	SUPEROXIDE DISMUTA	12	Human_e	Mouse_e	Rat_exp	Chicken_o	Zfish_exp	Fly_iss	Worm_exp	Dicty_exp	Dicot_exp	Yeast_exp	Pombe_e	Ecoli_exp
PTHR10003:SF27	COPPER CHAPERONE F	9	Human_e	Mouse_iss	Rat_exp	Chicken		Fly_exp		Dicty_iss	Dicot_exp	Yeast_exp	Pombe_exp	
PTHR10005:SF1	SMAD SUPPRESSING EL	1						Fly_other						

Experimental

ISS

Other

refG gene

No refG gene

Green

Yellow

Red

Organism name

(No entry)

Various summaries such as:
 How many genes for each refG
 organism are in each subfamily?

	A	B	C	D
1	family	subfamily	organism	genes
2	PTHR10000	SF0	ARATH	2
3	PTHR10000	SF0	CHICK	1
4	PTHR10000	SF0	DANRE	1
5	PTHR10000	SF0	DICDI	1
6	PTHR10000	SF0	DROME	1
7	PTHR10000	SF0	ECOLI	3
8	PTHR10000	SF0	HUMAN	1
9	PTHR10000	SF0	MOUSE	1
10	PTHR10000	SF0	RAT	1
11	PTHR10000	SF0	SCHPO	1
12	PTHR10000	SF0	YEAST	1
13	PTHR10003	SF10	CHICK	2
14	PTHR10003	SF10	HUMAN	1
15	PTHR10003	SF10	MOUSE	1
16	PTHR10003	SF10	RAT	1
17	PTHR10003	SF11	ARATH	3
18	PTHR10003	SF11	CAEEL	3
19	PTHR10003	SF11	CHICK	1
20	PTHR10003	SF11	DANRE	1
21	PTHR10003	SF11	DICDI	6
22	PTHR10003	SF11	DROME	3
23	PTHR10003	SF11	ECOLI	1
24	PTHR10003	SF11	HUMAN	1
25	PTHR10003	SF11	MOUSE	2
26	PTHR10003	SF11	RAT	1
27	PTHR10003	SF11	SCHPO	1
28	PTHR10003	SF11	YEAST	1