PomBase User Survey 2013

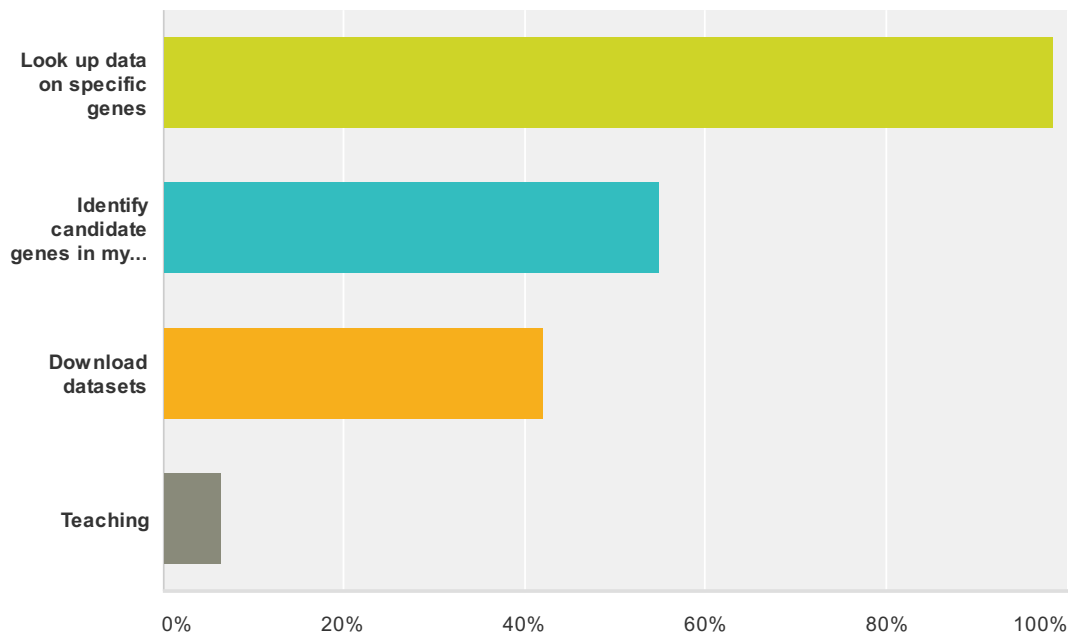## Q1 How often do you visit PomBase?
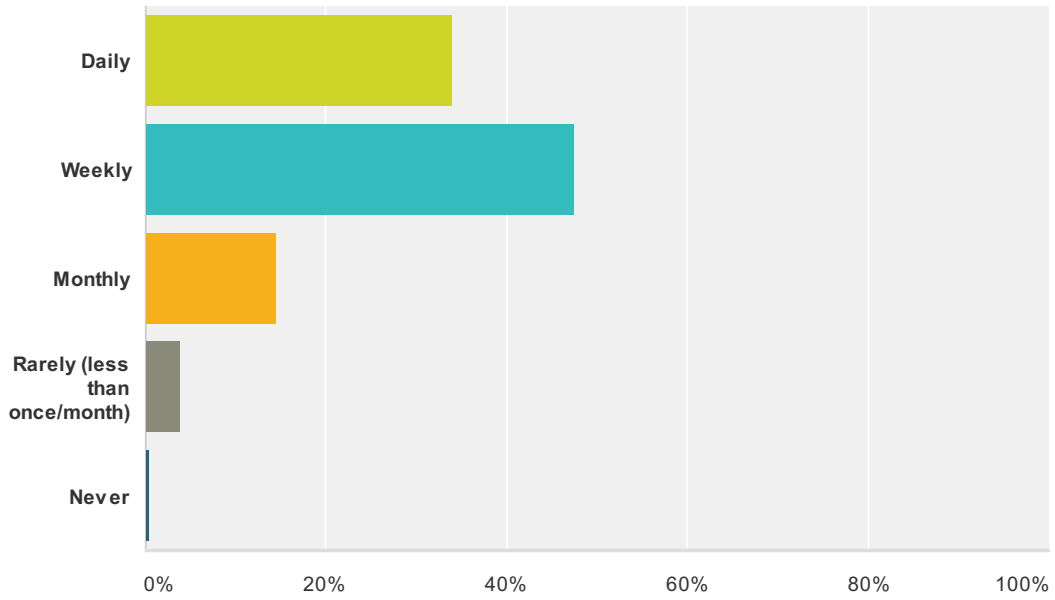
Answer Choices	Responses	
Daily	**33.90%**	159
Weekly	**47.33%**	222
Monthly	**14.50%**	68
Rarely (less than once/month)	**3.84%**	18
Never	**0.43%**	2
Total		**469**

Q2 What type of work do you use PomBase for? (select all that apply)

Answered: 465   Skipped: 5

Answer Choices	Responses	
Look up data on specific genes	**98.28%**	457
Identify candidate genes in my field of interest	**54.84%**	255
Download datasets	**41.94%**	195
Teaching	**6.45%**	30
Total Respondents: 465		

Q3 When you visit PomBase, how often do you use each part of the gene pages?

Answered: 464   Skipped: 6

|	Always (80-100% of time or visits)	Frequently (50-80%)	Occasionally (20-50%)	Rarely (less than 20%)	Never	I have not seen this feature	Total
Basic information (at the top of the page)	78.82% 361	16.16% 74	3.28% 15	1.09% 5	0.44% 2	0.22% 1	458
Context map (at the top of the page)	29.31% 124	29.31% 124	21.04% 89	16.08% 68	3.55% 15	0.71% 3	423
Gene Ontology	21.56% 94	30.28% 132	27.52% 120	16.28% 71	3.90% 17	0.46% 2	436
Phenotypes	36.06% 163	38.72% 175	15.49% 70	7.08% 32	2.21% 10	0.44% 2	452
Transcript	18.14% 78	33.49% 144	26.74% 115	16.98% 73	3.95% 17	0.70% 3	430
Protein features (domains and families)	23.67% 107	37.61% 170	22.79% 103	11.73% 53	3.54% 16	0.66% 3	452
Protein features (protein modifications)	17.00% 76	28.86% 129	28.64% 128	19.46% 87	4.47% 20	1.57% 7	447
Protein features (protein properties)	18.64% 82	32.73% 144	26.59% 117	16.14% 71	4.55% 20	1.36% 6	440
Sequence (sequence download)	32.67% 148	39.96% 181	18.76% 85	5.96% 27	1.55% 7	1.10% 5	453
Sequence (BLAST)	11.79% 52	31.07% 137	24.26% 107	21.77% 96	9.30% 41	1.81% 8	441
Gene Expression	14.35% 64	28.48% 127	30.27% 135	20.18% 90	5.16% 23	1.57% 7	446
Complementation	4.87% 21	13.92% 60	29.70% 128	29.00% 125	10.90% 47	11.60% 50	431
Species Distribution	9.86% 43	24.31% 106	23.17% 101	26.15% 114	12.39% 54	4.13% 18	436
Manually curated orthologs	13.79% 60	24.83% 108	25.75% 112	21.15% 92	9.89% 43	4.60% 20	435
Genetic Interactions	21.73% 98	38.80% 175	22.39% 101	11.53% 52	3.33% 15	2.22% 10	451
Physical Interactions	22.99% 103	35.49% 159	24.11% 108	11.16% 50	4.02% 18	2.23% 10	448
External References	13.38% 59	30.61% 135	31.07% 137	17.01% 75	6.58% 29	1.36% 6	441
Literature	19.28% 86	35.43% 158	27.58% 123	13.45% 60	3.59% 16	0.67% 3	446

Q4 How easy is it to.....

Answered: 458   Skipped: 12

	Very easy	Fairly easy	Difficult	I tried but failed	I haven't tried	Total
Find gene function information (GO, phenotype)	**49.01%** 222	**45.03%** 204	**2.21%** 10	**0.66%** 3	**3.09%** 14	453
Perform a combined query (e.g. genes with phenotype x and GO term y)	**8.69%** 39	**33.41%** 150	**10.91%** 49	**1.34%** 6	**45.66%** 205	449
BLAST a sequence and access the results	**30.89%** 139	**39.78%** 179	**8%** 36	**0.67%** 3	**20.67%** 93	450
Switch on tracks in the genome browser	**11.96%** 53	**34.76%** 154	**16.03%** 71	**0.68%** 3	**36.57%** 162	443
Navigate in the genome browser	**15.33%** 69	**43.11%** 194	**20.44%** 92	**1.11%** 5	**20%** 90	450
Find downloadable datasets	**12.72%** 57	**42.41%** 190	**14.29%** 64	**1.34%** 6	**29.24%** 131	448

Q5 Do you use the PomBase Advanced Search?

Answered: 463   Skipped: 7
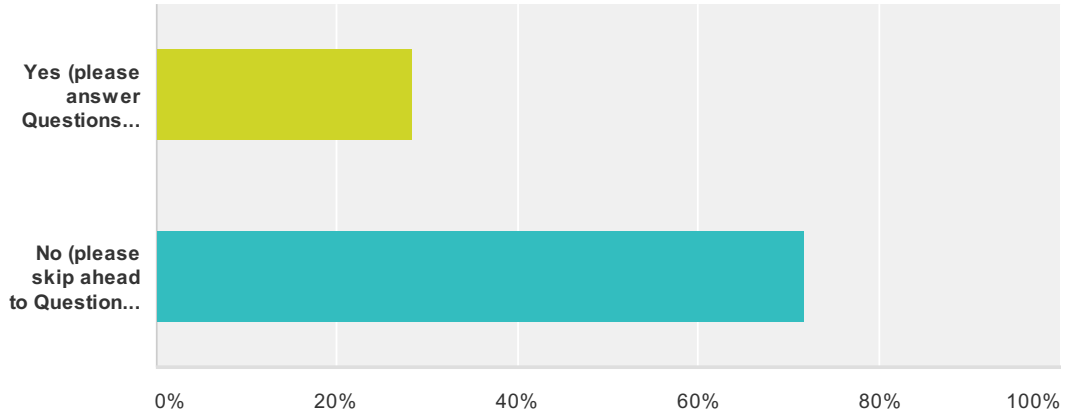
Answer Choices	Responses	
Yes (please answer Questions 6-8)	**28.29%**	131
No (please skip ahead to Question 9)	**71.71%**	332
Total		**463**

Q6 If you answered "Yes" to Question 5, how important is the Advanced Search to your work?

Answered: 133   Skipped: 337
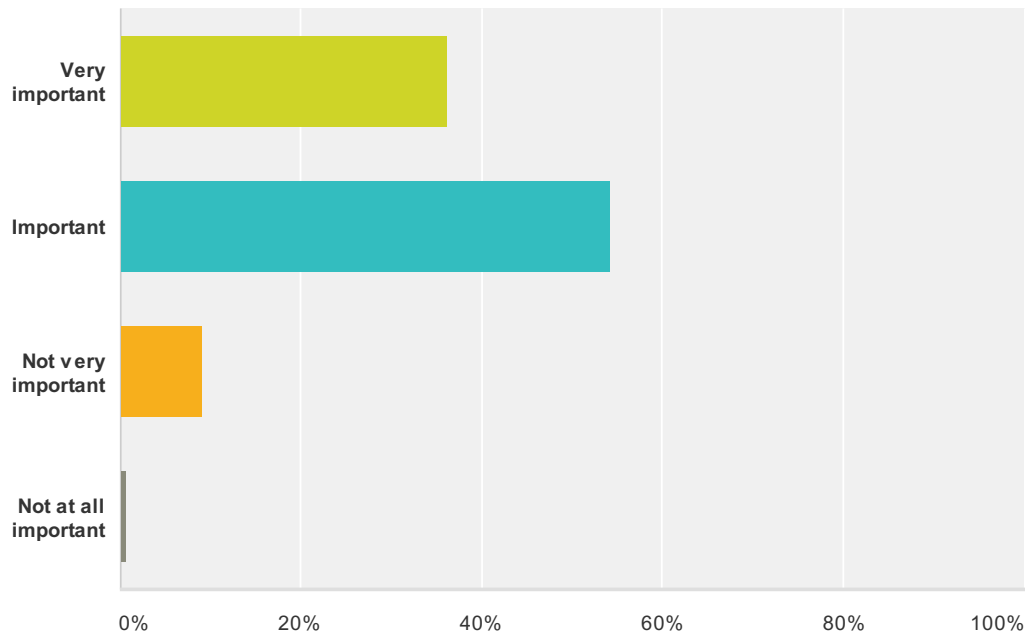
Answer Choices	Responses	
Very important	**36.09%**	48
Important	**54.14%**	72
Not very important	**9.02%**	12
Not at all important	**0.75%**	1
Total		**133**

Q7 If you answered "Yes" to Question 5, how easy is it to use the Advanced Search?

Answered: 130   Skipped: 340
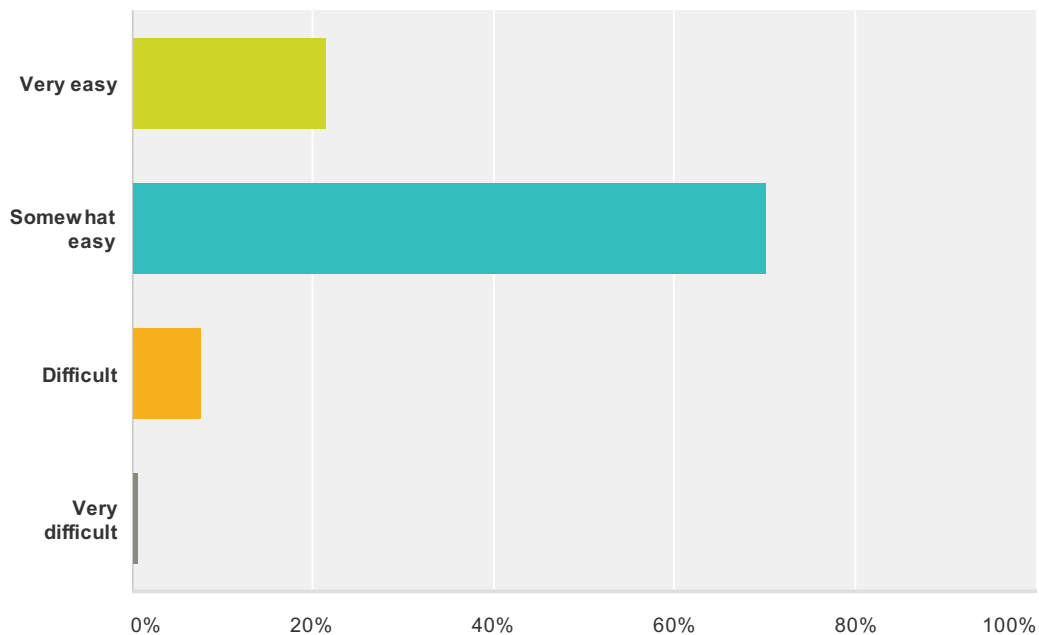
Answer Choices	Responses	
Very easy	**21.54%**	28
Somewhat easy	**70%**	91
Difficult	**7.69%**	10
Very difficult	**0.77%**	1
Total		**130**

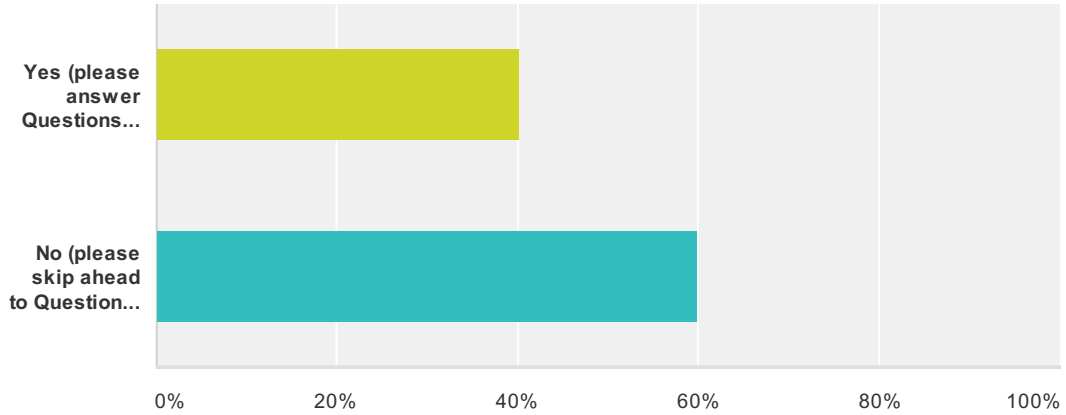## Q8 If you answered "Yes" to Question 5, how satisfied are you that the Advanced Search features meet your needs?

Answered: 129   Skipped: 341
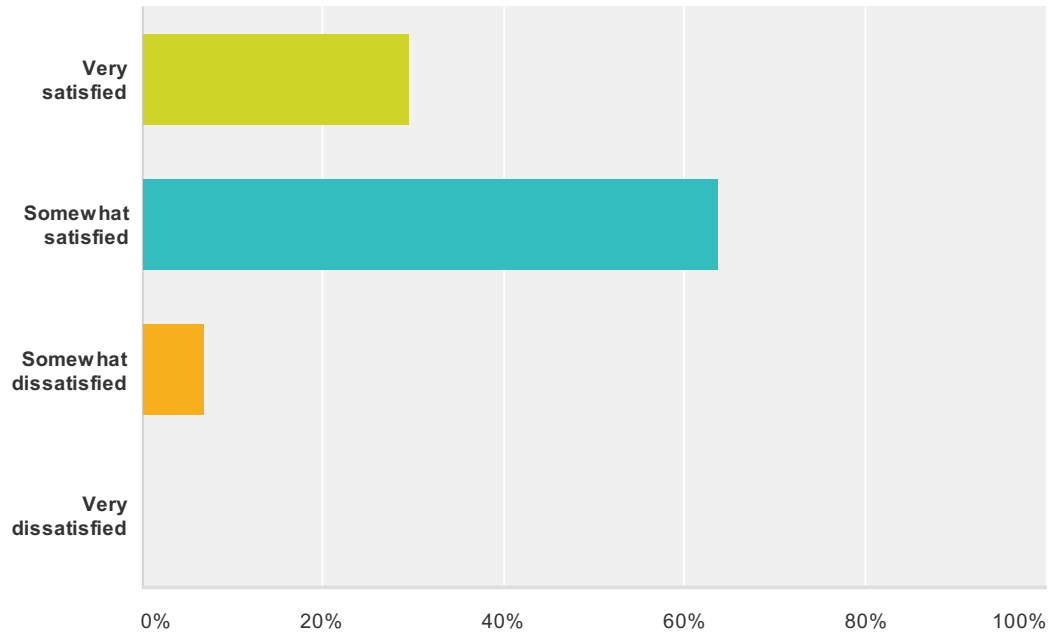
Answer Choices	Responses	
Very satisfied	**29.46%**	38
Somewhat satisfied	**63.57%**	82
Somewhat dissatisfied	**6.98%**	9
Very dissatisfied	**0%**	0
Total		**129**

Q9 Do you use the PomBase Ensembl genome browser?

Answered: 460   Skipped: 10

Answer Choices	Responses	
Yes (please answer Questions 10-12)	**40.22%**	185
No (please skip ahead to Question 13)	**59.78%**	275
Total		**460**

Q10 If you answered "Yes" to Question 9, how important is the browser to your work?

Answered: 185   Skipped: 285
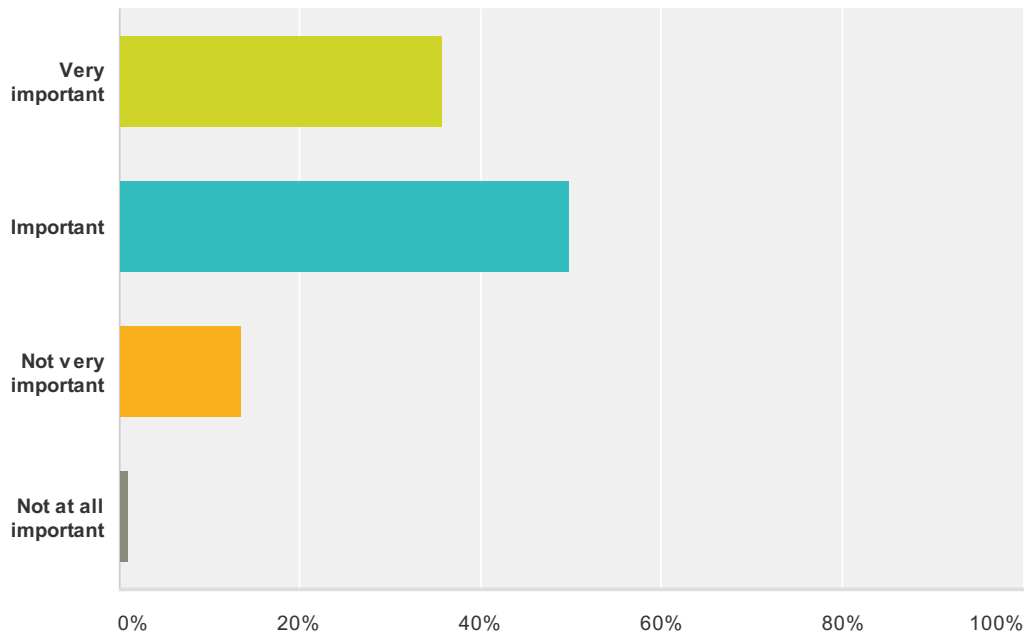
Answer Choices	Responses	
Very important	**35.68%**	66
Important	**49.73%**	92
Not very important	**13.51%**	25
Not at all important	**1.08%**	2
Total		**185**

Q11 If you answered "Yes" to Question 9, how easy is it to use the browser?

Answered: 185   Skipped: 285
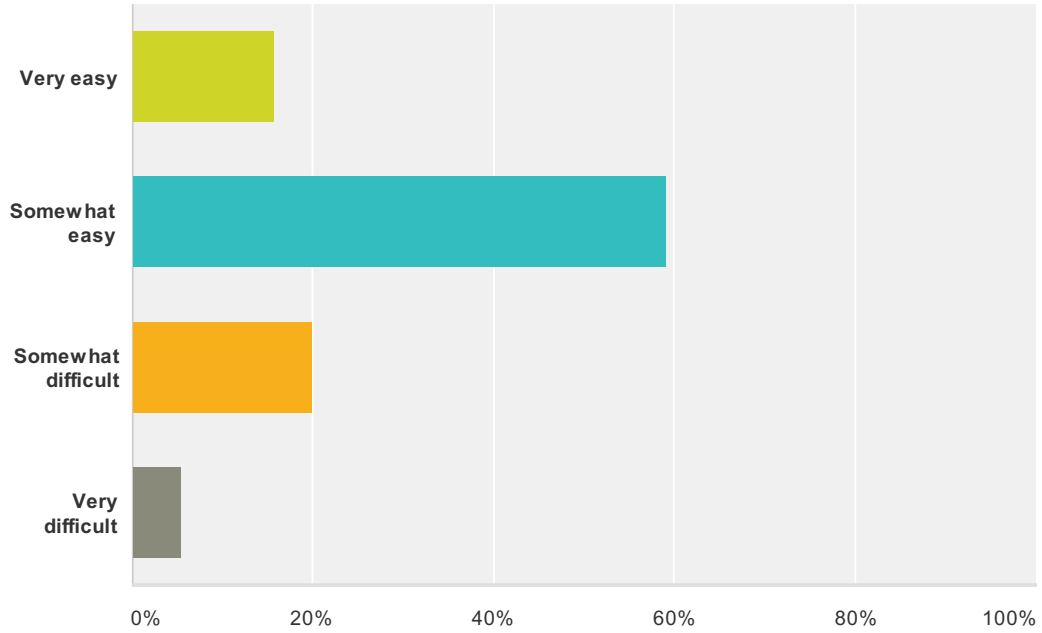
Answer Choices	Responses	
Very easy	**15.68%**	29
Somewhat easy	**58.92%**	109
Somewhat difficult	**20%**	37
Very difficult	**5.41%**	10
Total		**185**

Q12 If you answered "Yes" to Question 9, how satisfied are you that the browser features meet your needs?

Answered: 182   Skipped: 288
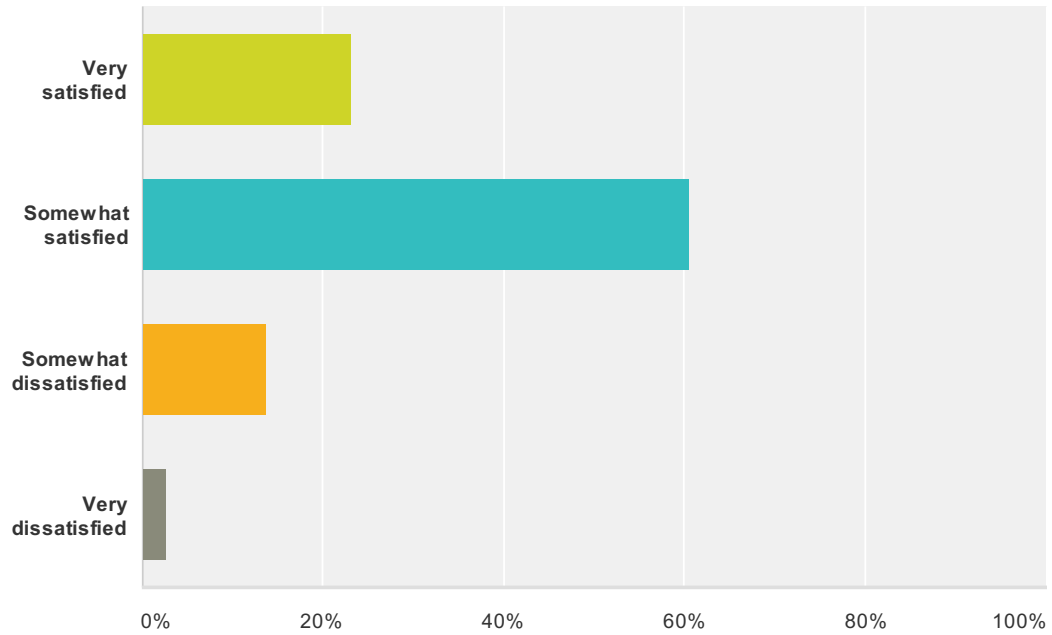
Answer Choices	Responses	
Very satisfied	**23.08%**	42
Somewhat satisfied	**60.44%**	110
Somewhat dissatisfied	**13.74%**	25
Very dissatisfied	**2.75%**	5
Total		**182**

Q13 Do you use the PomBase Motif Search?

Answered: 459   Skipped: 11
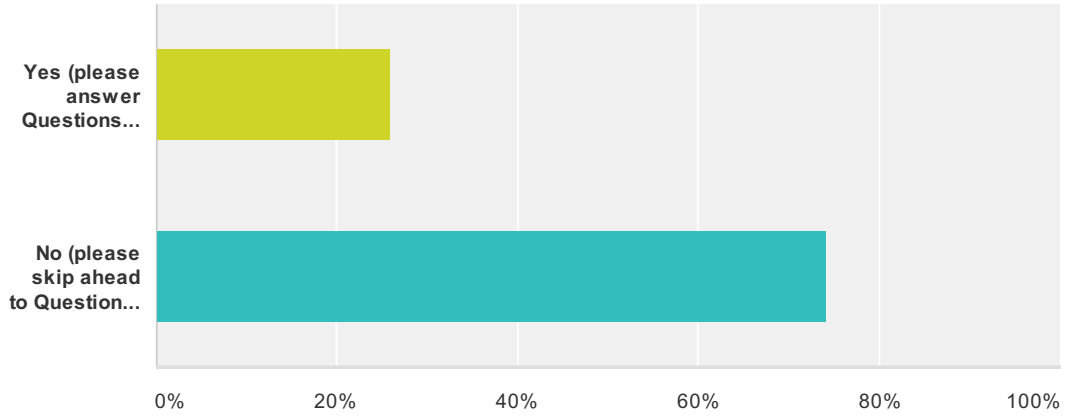
Answer Choices	Responses	
Yes (please answer Questions 14-16)	**25.93%**	119
No (please skip ahead to Question 17)	**74.07%**	340
Total		**459**

Q14 If you answered "Yes" to Question 13, how important is the Motif Search to your work?

Answered: 121   Skipped: 349
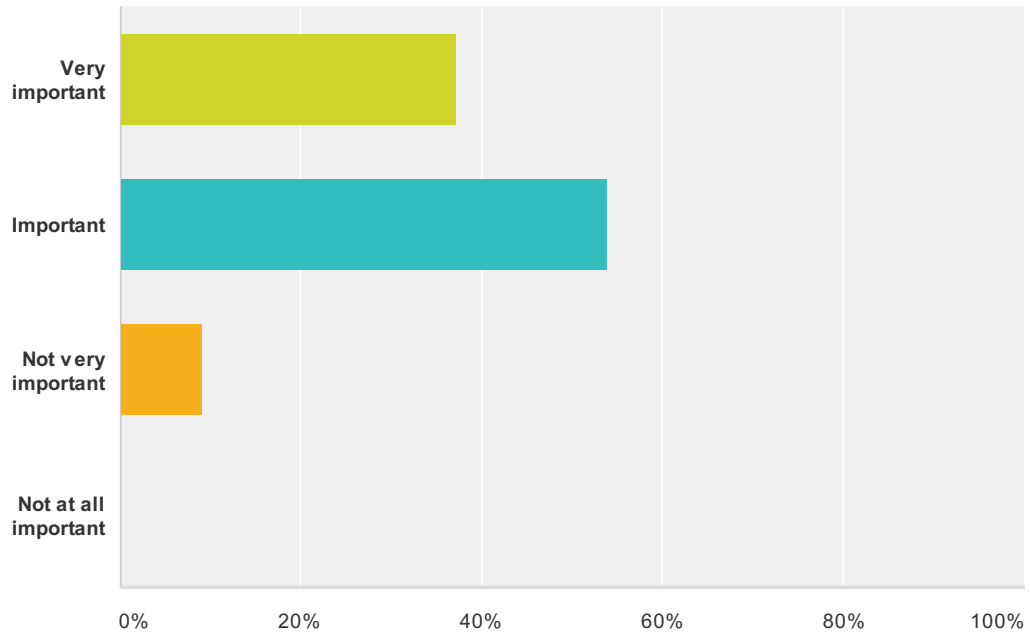
Answer Choices	Responses	
Very important	**37.19%**	45
Important	**53.72%**	65
Not very important	**9.09%**	11
Not at all important	**0%**	0
Total		**121**

Q15 If you answered "Yes" to Question 13, how easy is it to use the Motif Search?

Answered: 121   Skipped: 349
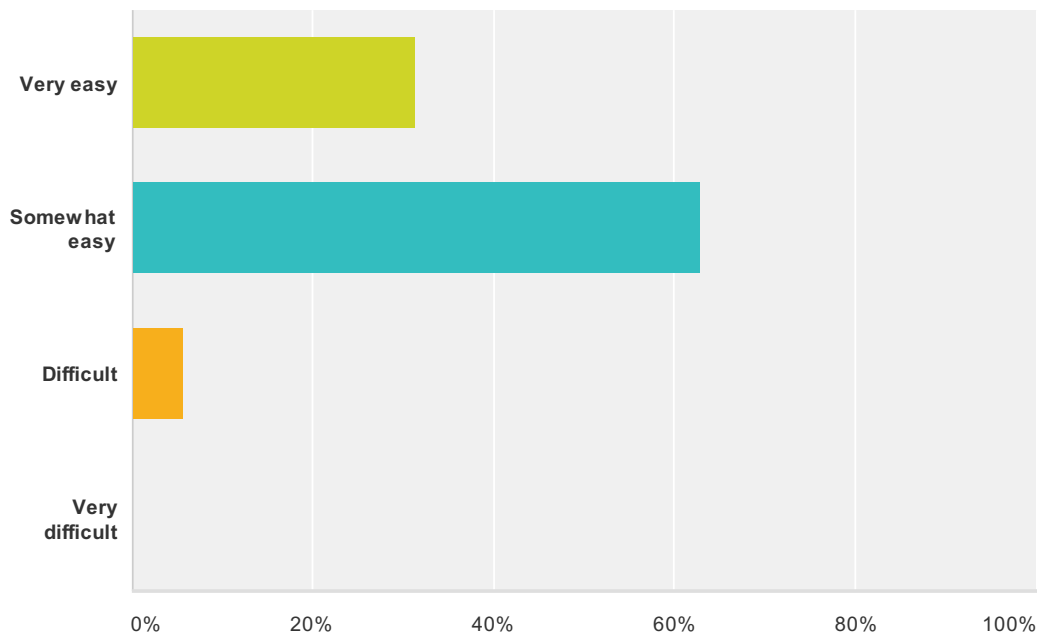
Answer Choices	Responses	
Very easy	**31.40%**	38
Somewhat easy	**62.81%**	76
Difficult	**5.79%**	7
Very difficult	**0%**	0
Total		**121**

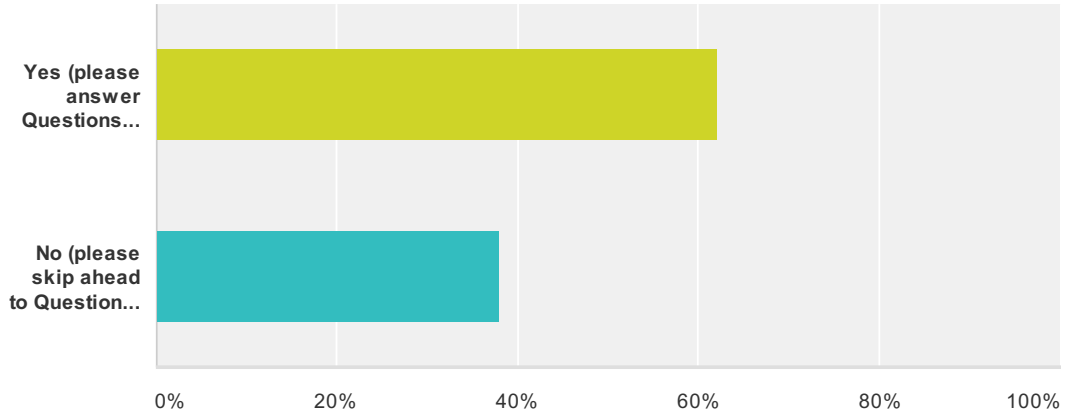## Q16 If you answered "Yes" to Question 13, how satisfied are you that the Motif Search features meet your needs?

Answered: 120   Skipped: 350
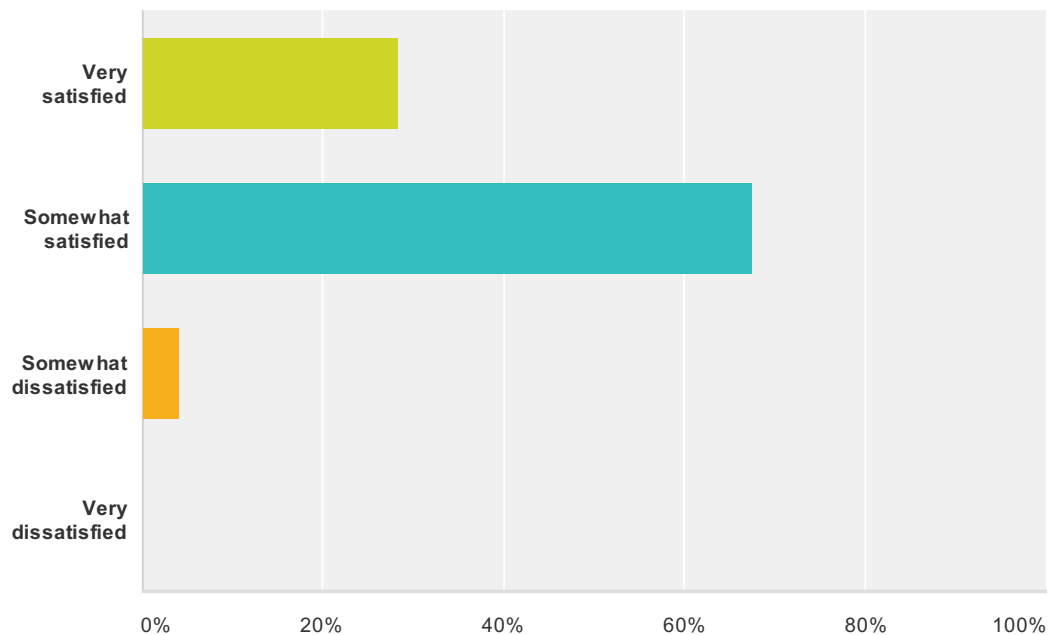
Answer Choices	Responses	
Very satisfied	**28.33%**	34
Somewhat satisfied	**67.50%**	81
Somewhat dissatisfied	**4.17%**	5
Very dissatisfied	**0%**	0
Total		**120**

Q17 Do you use the PomBase BLAST server?

Answered: 460   Skipped: 10

Answer Choices	Responses	
Yes (please answer Questions 18-20)	**61.96%**	285
No (please skip ahead to Question 21)	**38.04%**	175
Total		**460**

Q18 If you answered "Yes" to Question 17, how important is the BLAST server to your work?

Answered: 288   Skipped: 182
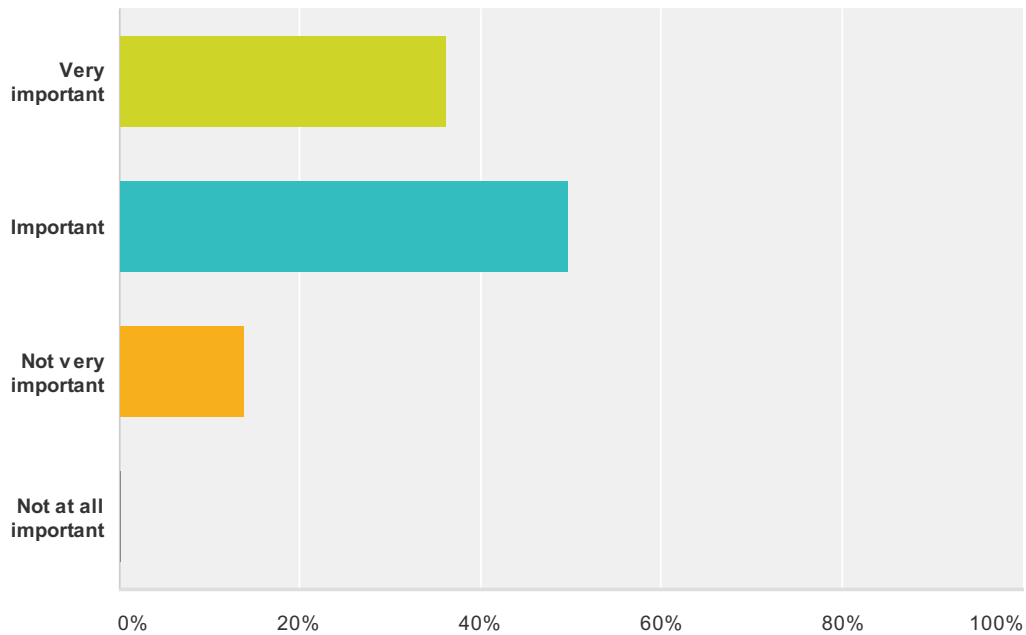
Answer Choices	Responses	
Very important	**36.11%**	104
Important	**49.65%**	143
Not very important	**13.89%**	40
Not at all important	**0.35%**	1
Total		**288**

Q19 If you answered "Yes" to Question 17, how easy is it to use the BLAST server?

Answered: 288   Skipped: 182
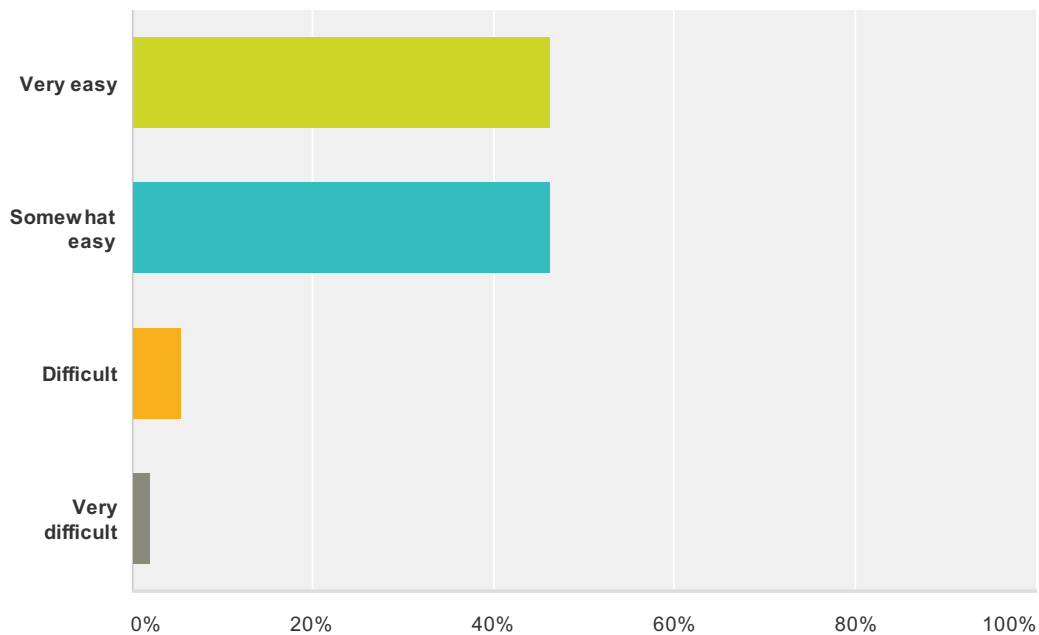
Answer Choices	Responses	
Very easy	**46.18%**	133
Somewhat easy	**46.18%**	133
Difficult	**5.56%**	16
Very difficult	**2.08%**	6
Total		**288**

Q20 If you answered "Yes" to Question 17, how satisfied are you that the BLAST server features meet your needs?

Answered: 287   Skipped: 183
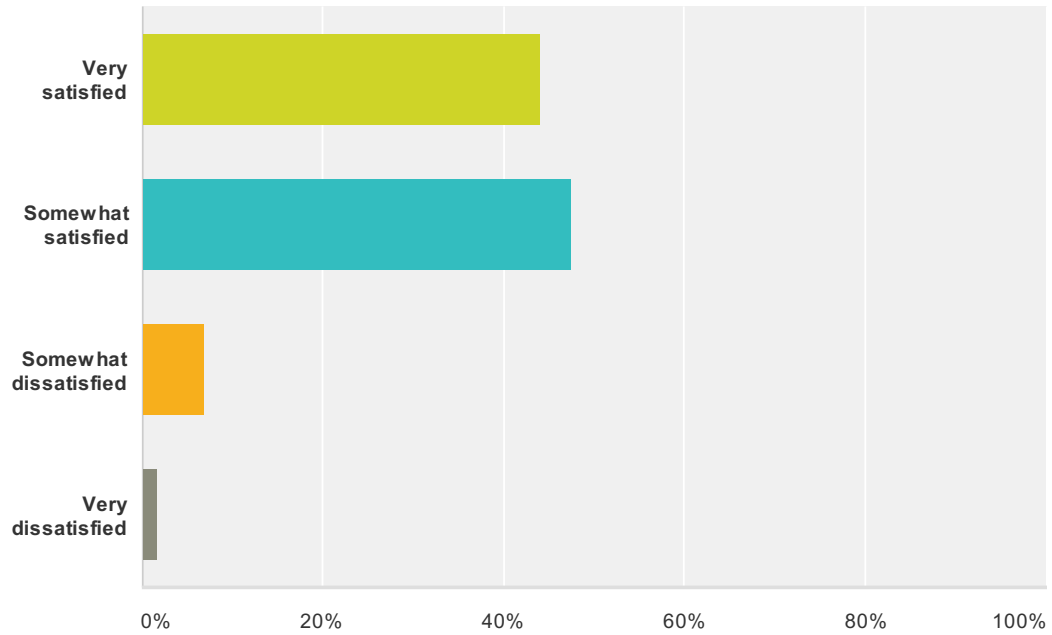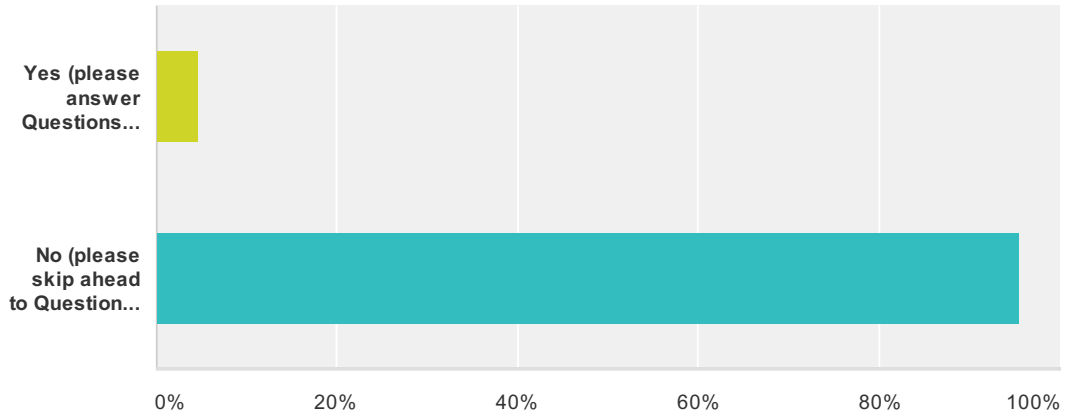

Answer Choices	Responses	
Very satisfied	**43.90%**	126
Somewhat satisfied	**47.39%**	136
Somewhat dissatisfied	**6.97%**	20
Very dissatisfied	**1.74%**	5
Total		**287**

Q21 Do you use Ensembl Compara?

Answered: 461   Skipped: 9

Answer Choices	Responses	
Yes (please answer Questions 22-24)	**4.77%**	22
No (please skip ahead to Question 25)	**95.23%**	439
Total		**461**

Q22 If you answered "Yes" to Question 21, how important is Ensembl Compara to your work?

Answered: 23   Skipped: 447
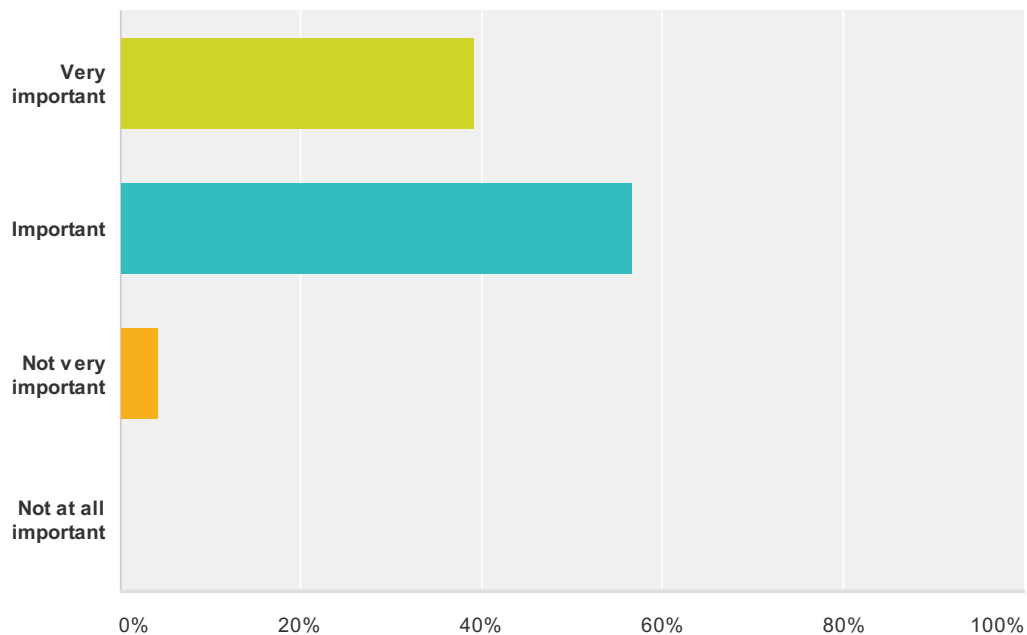
Answer Choices	Responses	
Very important	**39.13%**	9
Important	**56.52%**	13
Not very important	**4.35%**	1
Not at all important	**0%**	0
Total		**23**

Q23 If you answered "Yes" to Question 21, how easy is it to use Ensembl Compara?

Answered: 23   Skipped: 447
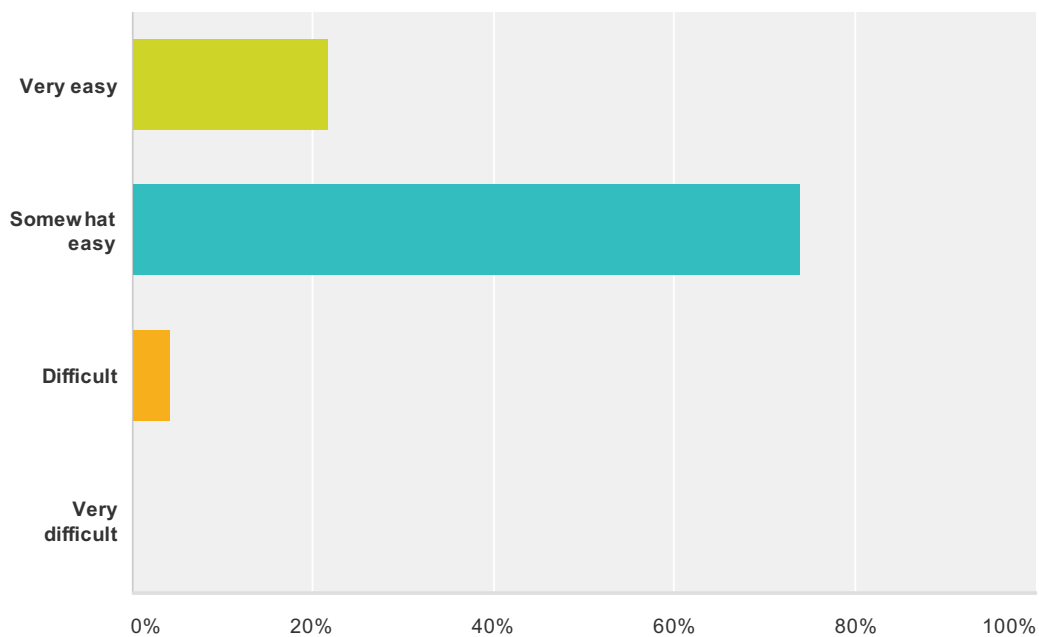
Answer Choices	Responses	
Very easy	**21.74%**	5
Somewhat easy	**73.91%**	17
Difficult	**4.35%**	1
Very difficult	**0%**	0
Total		**23**

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Q24 If you answered "Yes" to Question 21, how satisfied are you that Ensembl Compara features meet your needs?

Answered: 24   Skipped: 446
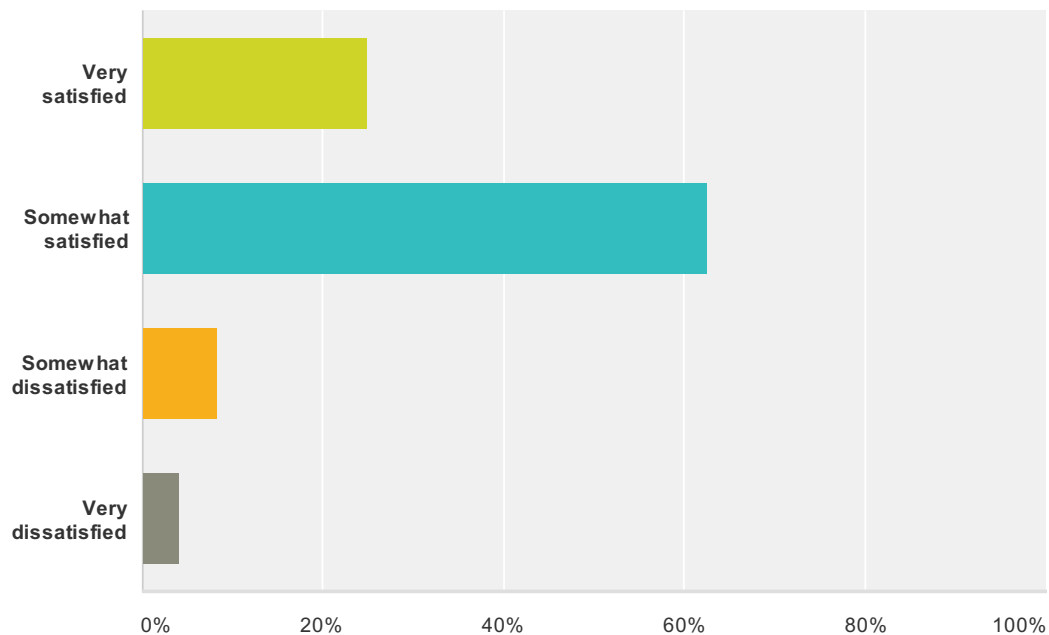
Answer Choices	Responses	
Very satisfied	**25%**	6
Somewhat satisfied	**62.50%**	15
Somewhat dissatisfied	**8.33%**	2
Very dissatisfied	**4.17%**	1
Total		**24**

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Q25 PomBase links to many external resources. Do you follow the links to each of these sites? (select all that apply)

Answered: 429   Skipped: 41
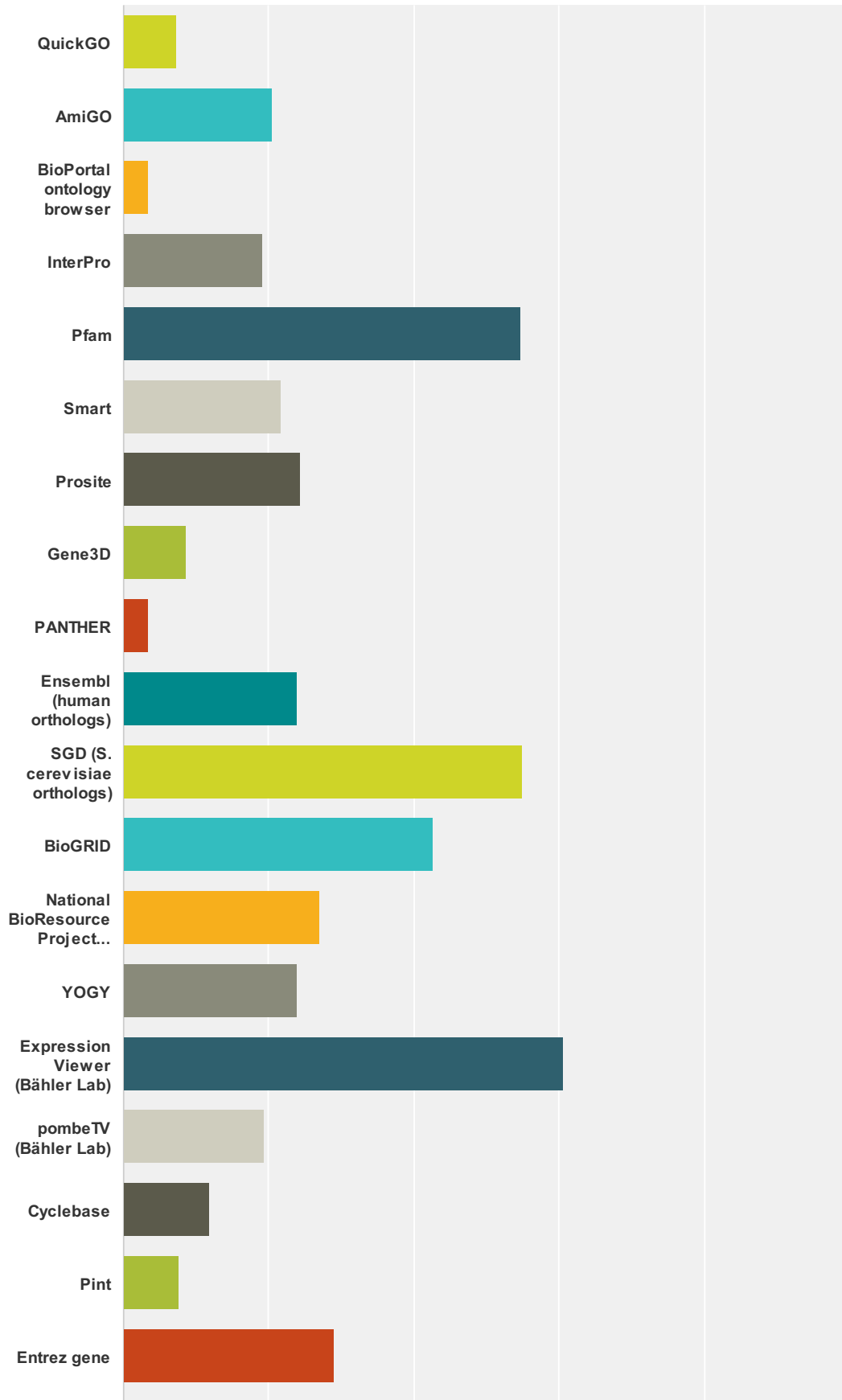
PomBase User Survey 2013
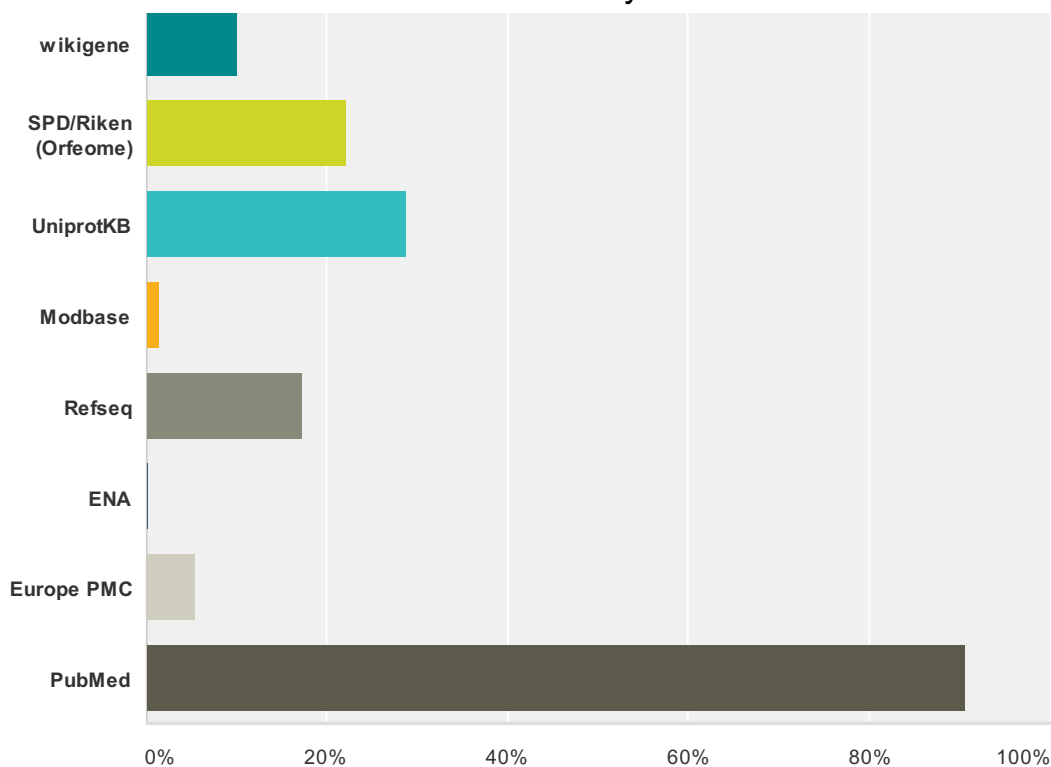
Answer Choices	Responses	
QuickGO	**7.23%**	31
AmiGO	**20.51%**	88
BioPortal ontology browser	**3.50%**	15
InterPro	**19.11%**	82
Pfam	**54.55%**	234
Smart	**21.68%**	93
Prosite	**24.24%**	104
Gene3D	**8.62%**	37
PANTHER	**3.50%**	15
Ensembl (human orthologs)	**24.01%**	103
SGD (S. cerevisiae orthologs)	**54.78%**	235
BioGRID	**42.66%**	183
National BioResource Project (Japan)	**27.04%**	116
YOGY	**24.01%**	103
Expression Viewer (Bähler Lab)	**60.37%**	259
pombeTV (Bähler Lab)	**19.35%**	83
Cyclebase	**11.89%**	51
Pint	**7.69%**	33
Entrez gene	**28.90%**	124
wikigene	**10.02%**	43

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SPD/Riken (Orfeome)	**22.14%**	95
UniprotKB	**28.67%**	123
Modbase	**1.40%**	6
Refseq	**17.25%**	74
ENA	**0.23%**	1
Europe PMC	**5.59%**	24
PubMed	**90.44%**	388
Total Respondents: 429		

SPD/Riken (Orfeome)	**22.14%**	95
UniprotKB	**28.67%**	123
Modbase	**1.40%**	6

Q26 Which of these new types of information would you most like to see in PomBase? Rank your results in order of preference from '1' (MOST desirable) to '10' (LEAST desirable). To rank choices, drag and drop the options order of preference, with your top choice in the first position. Each value can only be selected once.

Answered: 446   Skipped: 24

	1	2	3	4	5	6	7	8	9	10	Total	Average Ranking
Phenotypes for double, triple mutants	18.61% 83	19.73% 88	13.45% 60	12.56% 56	12.33% 55	7.85% 35	5.61% 25	3.14% 14	4.04% 18	2.69% 12	446	7.15
Graphic display of modifications and mutations	12.78% 57	13.90% 62	15.02% 67	14.80% 66	11.43% 51	12.78% 57	6.73% 30	6.73% 30	3.14% 14	2.69% 12	446	6.65
Visualization of network data (pathways and interactions)	14.35% 64	13.00% 58	16.37% 73	13.45% 60	10.54% 47	9.19% 41	9.42% 42	6.73% 30	2.91% 13	4.04% 18	446	6.63
Signalling pathway data	10.99% 49	12.78% 57	10.54% 47	10.76% 48	11.21% 50	8.52% 38	10.54% 47	9.87% 44	7.85% 35	6.95% 31	446	5.89
DNA regulatory motifs	6.73% 30	10.31% 46	12.11% 54	12.33% 55	11.66% 52	15.02% 67	11.66% 52	9.42% 42	7.17% 32	3.59% 16	446	5.81
Histone modification profiles	13.90% 62	8.97% 40	6.95% 31	8.30% 37	8.74% 39	8.74% 39	11.43% 51	10.76% 48	11.21% 50	10.99% 49	446	5.41
Publication pages	5.83% 26	5.38% 24	8.07% 36	9.42% 42	10.31% 46	11.66% 52	11.88% 53	13.00% 58	12.56% 56	11.88% 53	446	4.81
Replication origins	7.87% 35	8.09% 36	8.54% 38	5.84% 26	5.17% 23	7.19% 32	10.34% 46	12.36% 55	16.40% 73	18.20% 81	445	4.57
Synteny data (japonicus, octosporus)	6.50% 29	4.48% 20	5.61% 25	6.28% 28	11.43% 51	7.85% 35	10.31% 46	10.09% 45	13.45% 60	23.99% 107	446	4.24
Variation data	2.47% 11	3.36% 15	3.36% 15	6.28% 28	7.17% 32	11.21% 50	12.11% 54	17.94% 80	21.30% 95	14.80% 66	446	3.85

Q27 If you could add one feature to PomBase immediately, or improve one feature or data type immediately, what would it be?

Answered: 147   Skipped: 323

## Q28 If you have ever contacted PomBase, what was the reason? (select all that apply)

Answered: 417   Skipped: 53
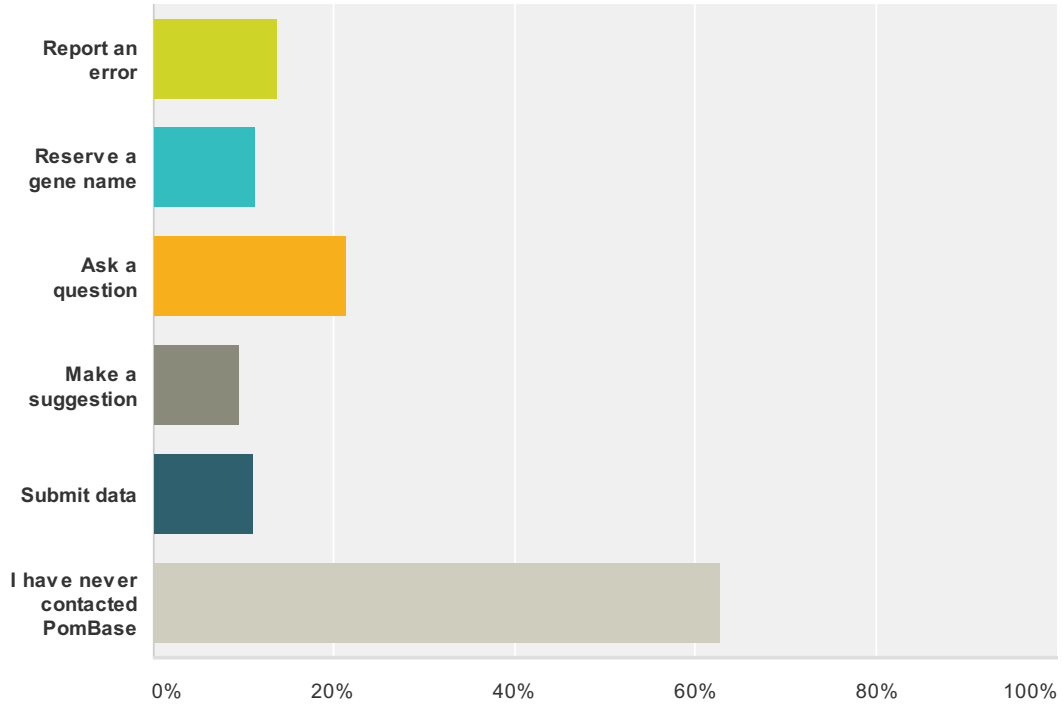
Answer Choices	Responses	
Report an error	**13.67%**	57
Reserve a gene name	**11.27%**	47
Ask a question	**21.34%**	89
Make a suggestion	**9.59%**	40
Submit data	**11.03%**	46
I have never contacted PomBase	**62.59%**	261
Total Respondents: 417		

Q29 If you have contacted PomBase, how satisfied were you with the response(s)?

Answered: 166   Skipped: 304
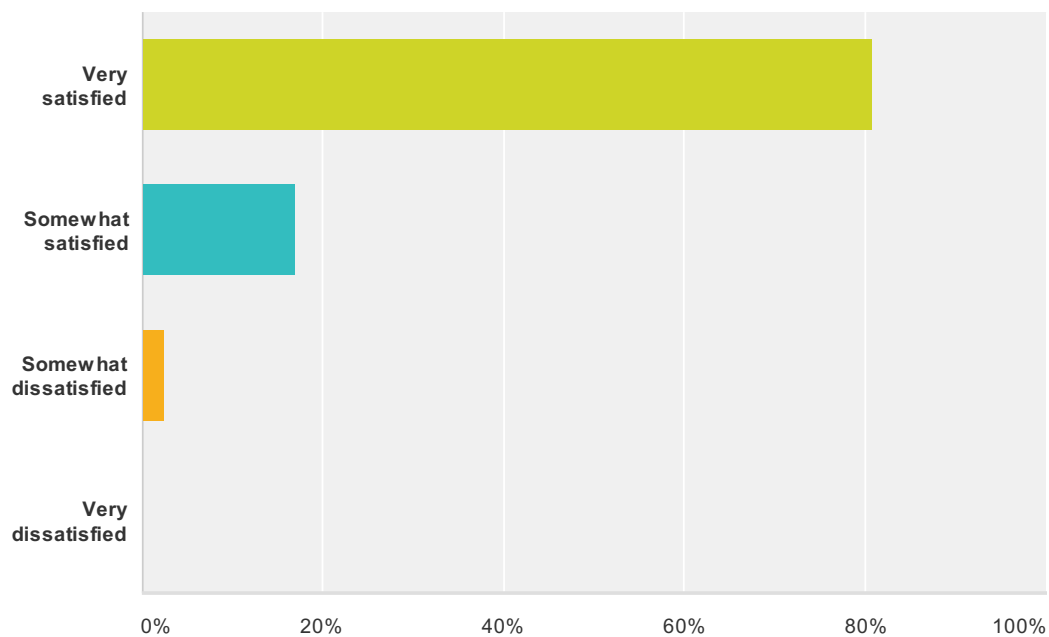
Answer Choices	Responses	
Very satisfied	**80.72%**	134
Somewhat satisfied	**16.87%**	28
Somewhat dissatisfied	**2.41%**	4
Very dissatisfied	**0%**	0
Total		**166**

Q30 Have you curated any of your papers in Canto (the PomBase community curation tool)?

Answered: 442   Skipped: 28
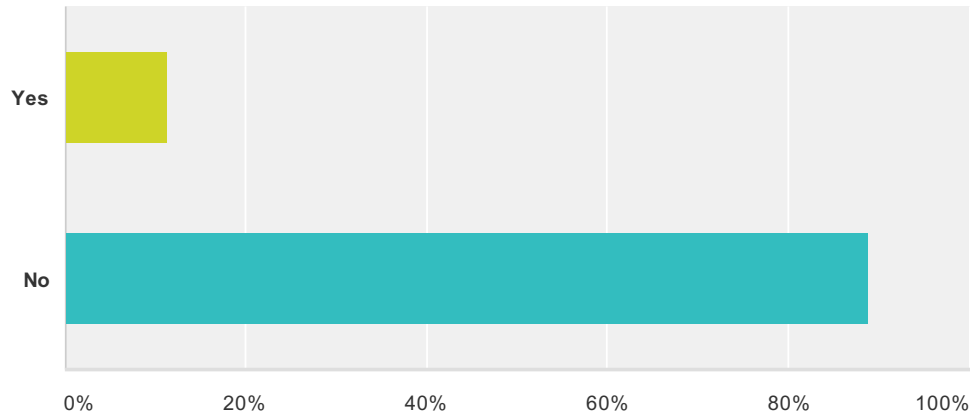
Answer Choices	Responses	
Yes	**11.31%**	50
No	**88.69%**	392
Total		**442**

Q31 If you answered "No" to Question 30, why not? (select all that apply)

Answered: 383 Skipped: 87
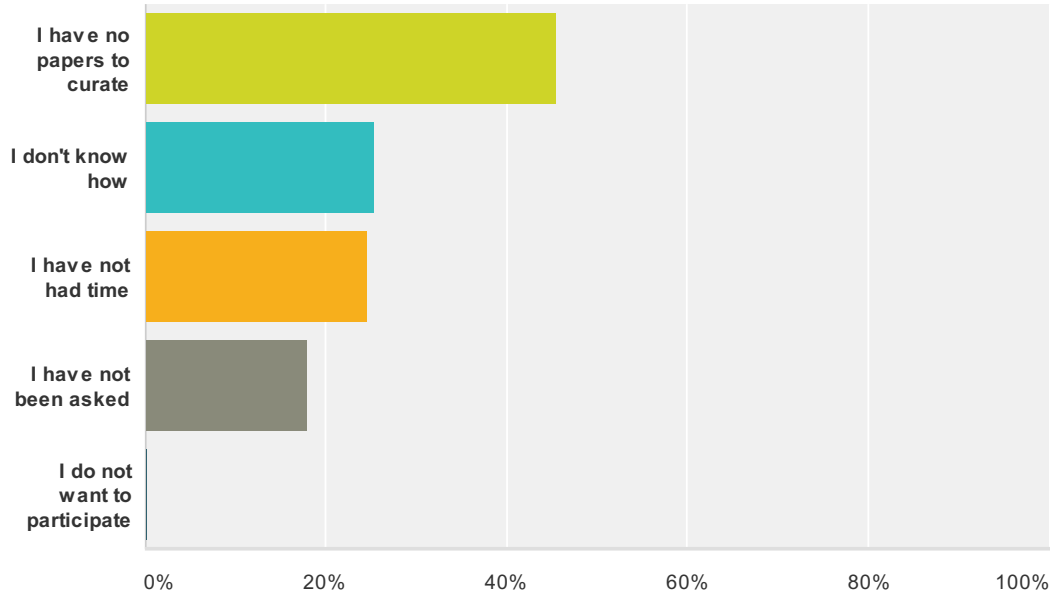
Answer Choices	Responses	
I have no papers to curate	**45.43%**	174
I don't know how	**25.33%**	97
I have not had time	**24.54%**	94
I have not been asked	**18.02%**	69
I do not want to participate	**0.26%**	1
Total Respondents: 383		

Q32 If you answered "Yes" to Question 30, please evaluate these aspects of curation:

Answered: 50   Skipped: 420
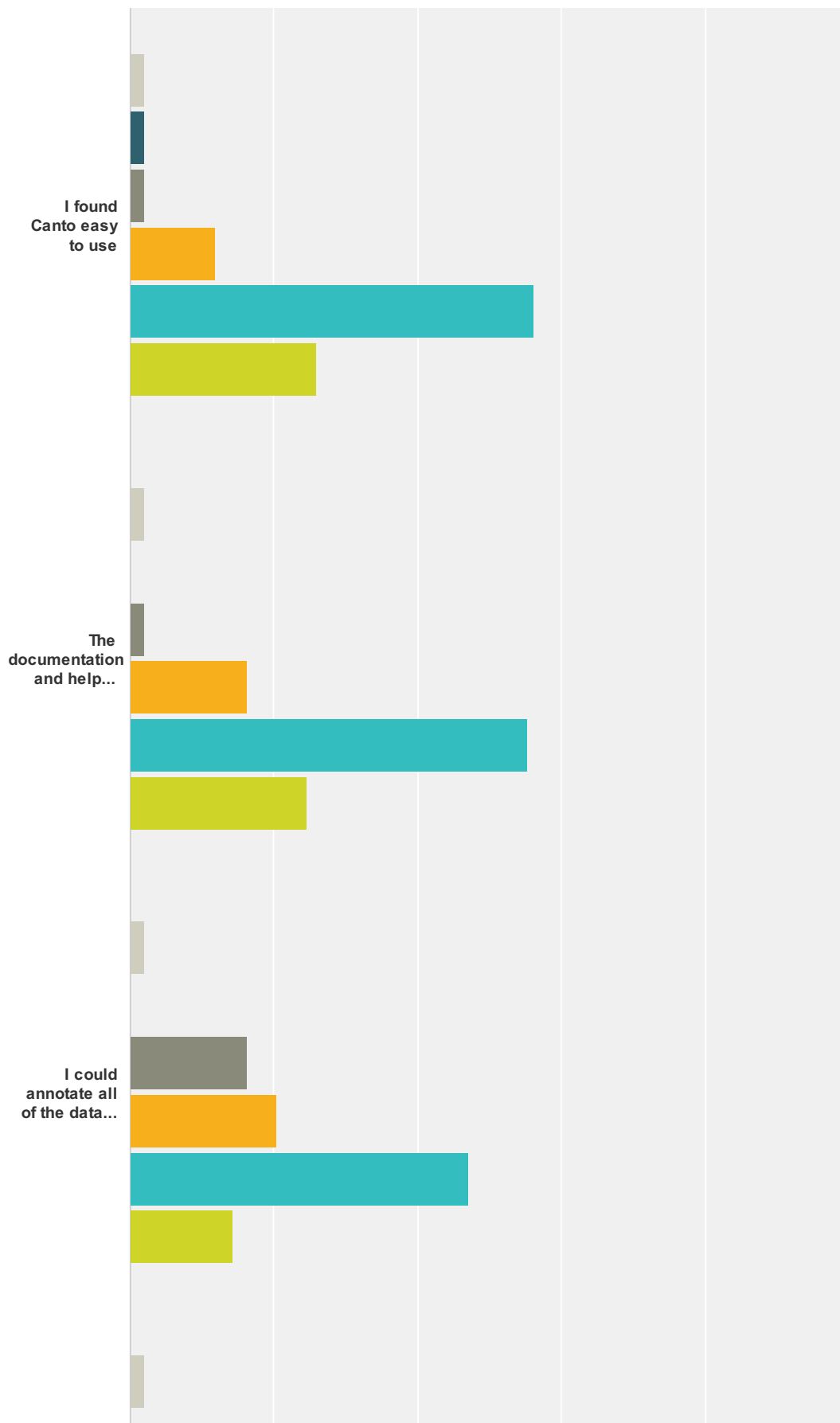
I found Canto easy to use

The documentation and help...

I could annotate all of the data...

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Legend: Strongly agree | Agree | Neither | Disagree | Strongly disagree | Not applicable
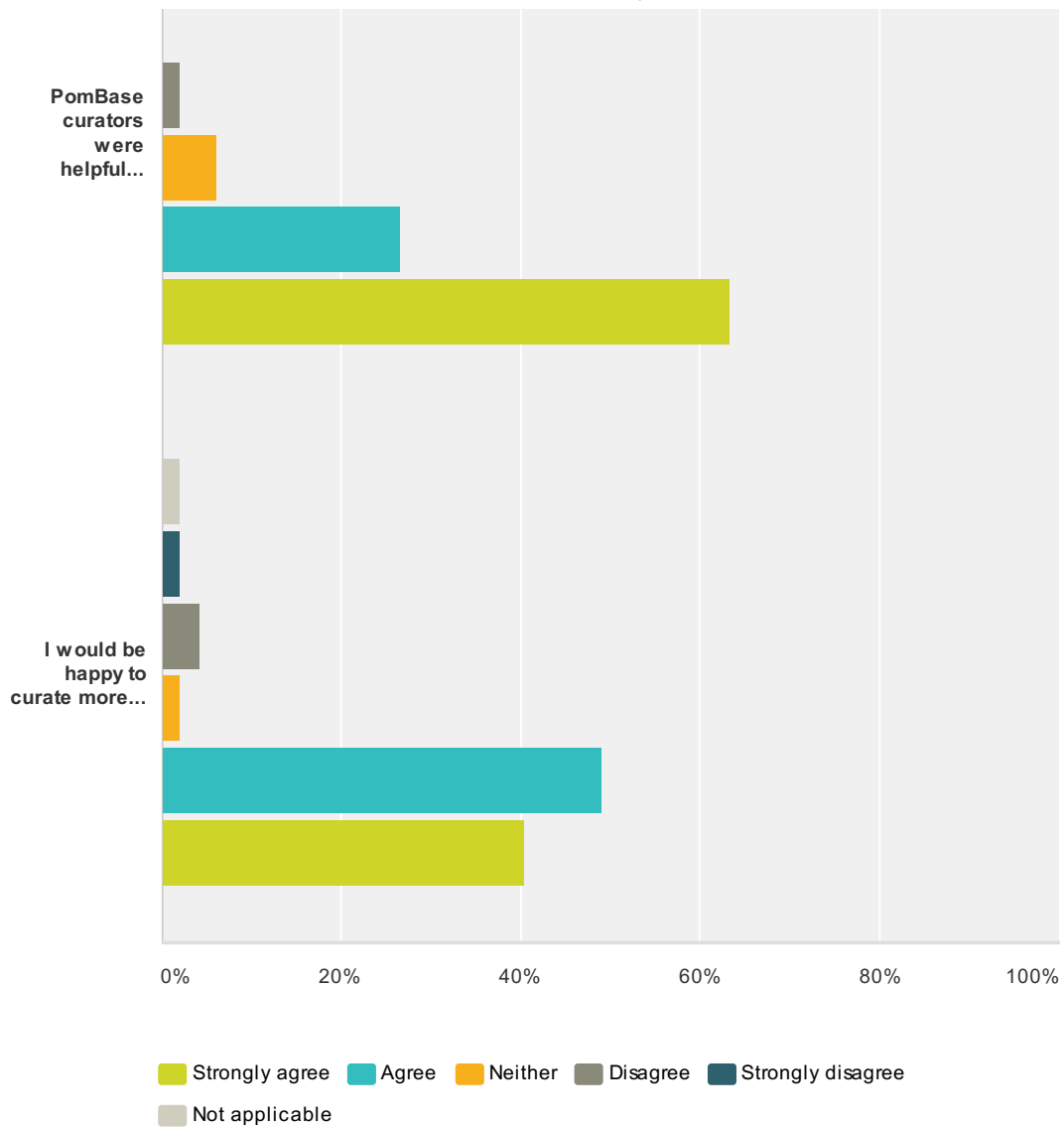
	Strongly agree	Agree	Neither	Disagree	Strongly disagree	Not applicable	Total
I found Canto easy to use	**26%** 13	**56.00%** 28	**12%** 6	**2%** 1	**2%** 1	**2%** 1	50
The documentation and help were adequate	**24.49%** 12	**55.10%** 27	**16.33%** 8	**2.04%** 1	**0%** 0	**2.04%** 1	49
I could annotate all of the data in my paper	**14.29%** 7	**46.94%** 23	**20.41%** 10	**16.33%** 8	**0%** 0	**2.04%** 1	49
PomBase curators were helpful while I was curating	**63.27%** 31	**26.53%** 13	**6.12%** 3	**2.04%** 1	**0%** 0	**2.04%** 1	49
I would be happy to curate more papers	**40.43%** 19	**48.94%** 23	**2.13%** 1	**4.26%** 2	**2.13%** 1	**2.13%** 1	47

Q33 Is fission yeast your primary organism of research?

Answered: 459   Skipped: 11
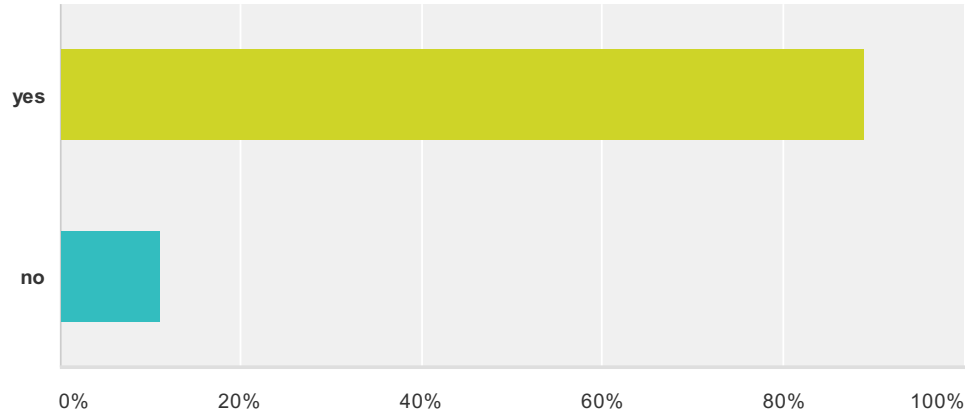
Answer Choices	Responses	
yes	**88.89%**	408
no	**11.11%**	51
Total		**459**

Q34 Does your lab work experimentally on any other organisms in addition to fission yeast? (select all that apply)

Answered: 283   Skipped: 187
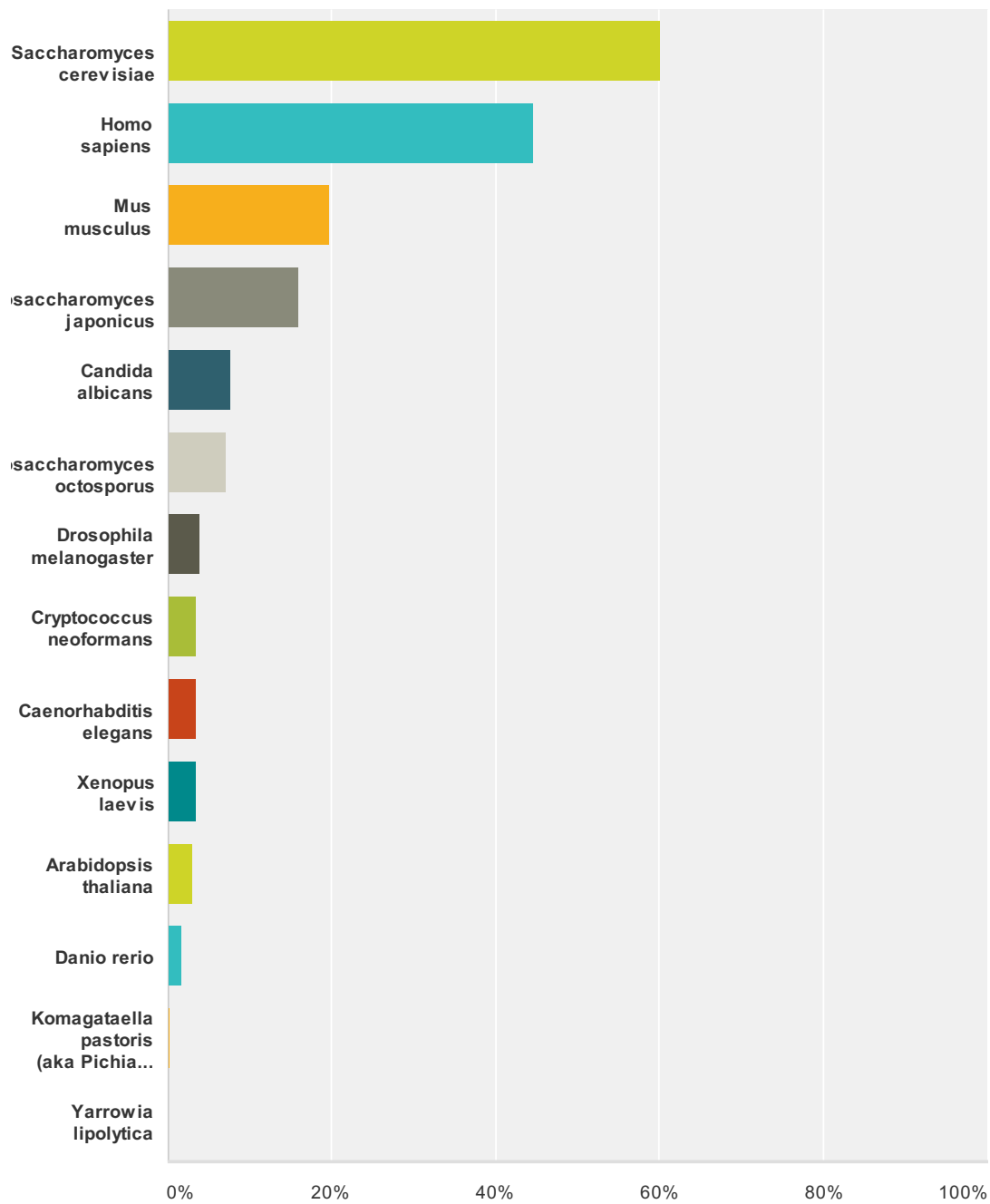
Answer Choices	Responses	
Saccharomyces cerevisiae	**60.07%**	170
Homo sapiens	**44.52%**	126
Mus musculus	**19.79%**	56
Schizosaccharomyces japonicus	**15.90%**	45
Candida albicans	**7.77%**	22

Schizosaccharomyces octosporus	**7.07%**	20
Drosophila melanogaster	**3.89%**	11
Cryptococcus neoformans	**3.53%**	10
Caenorhabditis elegans	**3.53%**	10
Xenopus laevis	**3.53%**	10
Arabidopsis thaliana	**3.18%**	9
Danio rerio	**1.77%**	5
Komagataella pastoris (aka Pichia pastoris)	**0.35%**	1
Yarrowia lipolytica	**0%**	0
Total Respondents: 283		

Q35 Do you work on any organism which does not have a dedicated database? If so, which?

Answered: 28   Skipped: 442
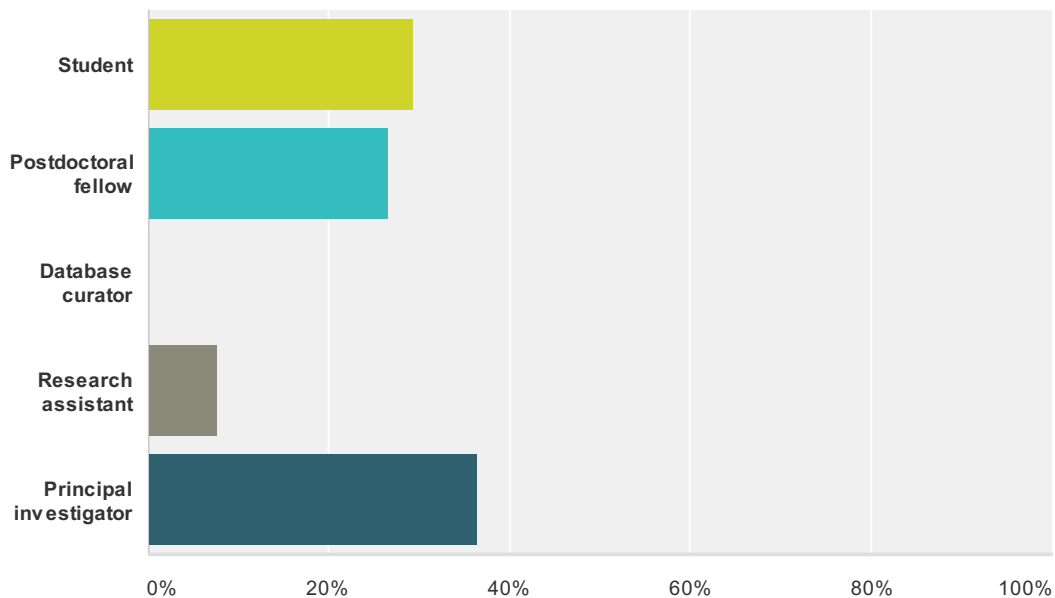
Q36 What kind of institution do you work at?
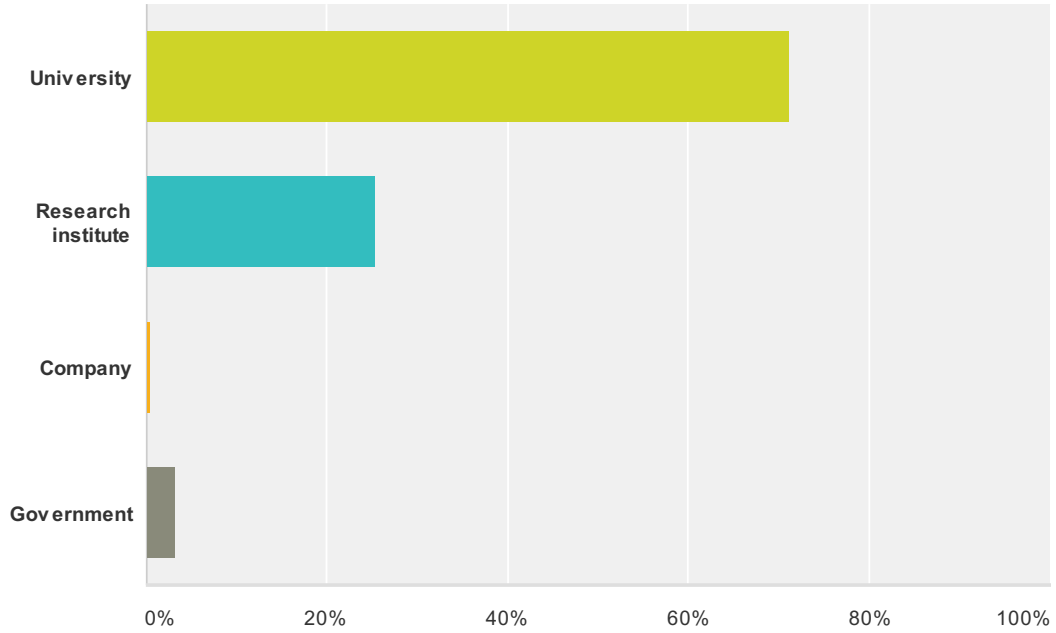
Answer Choices	Responses	
University	**71.02%**	326
Research institute	**25.27%**	116
Company	**0.44%**	2
Government	**3.27%**	15
Total		**459**

PomBase User Survey 2013

Q37 What is your position?

Answered: 445   Skipped: 25

Answer Choices	Responses	
Student	**29.44%**	131
Postdoctoral fellow	**26.52%**	118
Database curator	**0%**	0
Research assistant	**7.64%**	34
Principal investigator	**36.40%**	162
Total		**445**

Q38 How do you access PomBase? (select all that apply)

Answered: 461   Skipped: 9
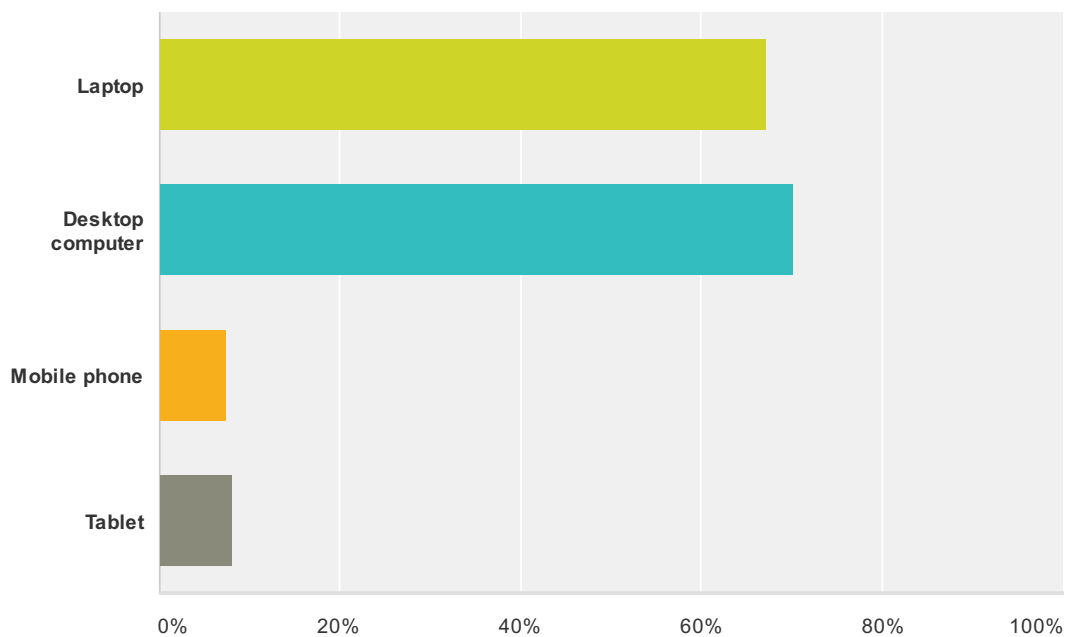
Answer Choices	Responses	
Laptop	**67.03%**	309
Desktop computer	**70.07%**	323
Mobile phone	**7.59%**	35
Tablet	**8.03%**	37
Total Respondents: 461		

Q39 Please provide any additional comments and suggestions about the current resource which you feel were not covered by this survey

Answered: 48   Skipped: 422