

**Structure** is the index number for a cell. Entering the index into:

- (1) Viking's Annotation/Open Structure will display a table of all its locations. Any location can be double clicked to navigate to its location in the RC1 volume.
- (2) Network Viz or Tulip will display its connectivity.
- (3) Structure Viz or Tulip will display its navigable 3D skeleton.
- (4) VikingPlot, VikingView or Blender will allow rendering its 3D form.
- (5) InfoViz or Tulip will show its statistical connectivity

Access Viking, Network Viz, Structure Viz or Info Viz at [connectomes.utah.edu](http://connectomes.utah.edu)

Download Tulip from [tulip.labri.fr](http://tulip.labri.fr)

Access Tulip formatted networks from <http://websvc1.connectomes.utah.edu/Export/>

Table 1: C1 motifs n=152 structure		All classes of CBb cells targeted: n = 221 examples		All classes of CBb cells sourced: n = 188 examples	
structure	motif	Rod BCs targeted	Cone BCs targeted / other targets	Cone BCs sourced / other sources	
5294	C1	579	5562 CBb5, 5645 CBb5, 5650 CBb4w	5562 CBb5	
5439	C1	10959	166 CBb5, 332 CBb5, 431 CBb3n, 483 CBb5, 5635 CBb5, 5638 CBb5 or 6, 15977 CBb5	166 CBb5, 286 CBb5, 483 CBb5, 5635 CBb5, 5638 CBb5 or 6, 15977 CBb5	
18576	C1	519	419 CBb6	6156 CBb6, 419 CBb6, 485 CBb5, 483 CBb5	
20311	C1	285	286 CBb5	286 CBb5, 324 CBb4w	
20728	C1	11401	6997 CBb5	6997 CBb5	
23512	C1	10596	5530 CBb4w, 170 CBb4w, 1724 CBb3n	5530 CBb4w, 170 CBb4w, 1724 CBb3n	
25367	C1	519, 469	485 CBb5, 6156 CBb6, 593 CBb5	485 CBb5	
25392	C1	519	485 CBb5, 6156 CBb6, 593 CBb5	485 CBb5	
25402	C1	519, 369	419 CBb6	? = CBb source likely outside volume / or not identified	
25466	C1	519	485 CBb5	? = CBb source likely outside volume / or not identified	
25861	C1	519	6156 CBb6	6156 CBb6	
25865	C1	519	26079 CBb4, 24401 CBb3	26079 CBb4	
25869	C1	519	485 CBb5, 6912 CBb3n	6912 CBb3n	
29827	C1	10959	170 CBb4w	170 CBb4w	
30130	C1	11250, 11042	6121 CBb3, 5650 CBb4w, 5649 CBb5	5650 CBb4w	
30513	C1	516	? = CBb target likely outside volume / or not identified	142 CBb3n	
30567	C1	517	5279 CBb3n, 5641 CBb3, 5517 CBb3n, 909 CBb3, 5513 CBb4w, 142 CBb3n, 176 CBb3n, 6117 CBb4w, 1637 CBb3	5641 CBb3, 5517 CBb3n, 909 CBb3, 142 CBb3n, 20136 CBb4, 6117 CBb4w, 176 CBb3n	
31305	C1	9183	? = CBb target likely outside volume / or not identified	5645 CBb5	
31334	C1	9183	5645 CBb5	6120 CBb3n	
31356	C1	9183	? = CBb target likely outside volume / or not identified	5645 CBb5	
31471	C1	10964, 10142	5535 CBb3n	5637 CBb3n	
31679	C1	328	327 CBb3, 277 CBb3n or 4	330 CBb4w, 277 CBb3n or 4	
31694	C1	280	277 CBb3n or 4	335 CBb4	
31700	C1	342	268 CBb5	31710 CBb4	
31702	C1	342	? = CBb target likely outside volume / or not identified	344 CBb3 or 3n or 4	
31804	C1	365	? = CBb target likely outside volume / or not identified	431 CBb3n, 366 CBb3n	
32035	C1	516	? = CBb target likely outside volume / or not identified	6117 CBb4w, 5278 CBb3	
32160	C1	6617, 519	off the edge	does not look like an Ai but no CBb sourcing. may be axon	
32172	C1	6617	419 CBb6	? = CBb source likely outside volume / or not identified	
32227	C1	519	1724 CBb3n	1724 CBb3n	
32379	C1	15100	6912 CBb3n, 485 CBb5	6912 CBb3n	
32383	C1	5017	5513 CBb4w, 1724 CBb3n, 5279 CBb3n, 142 CBb3n	? = CBb source likely outside volume / or not identified	
32400	C1	5563	? = CBb target likely outside volume / or not identified	19203 CBb3	

32405	C1	5595	176 CBb3n, 5598 CBb3n	176 CBb3n
32451	C1	5614	5530 CBb4w	5601 CBb4w
32477	C1	5923	6120 CBb3n, 6118 CBb3n, 5565 CBb3n	6120 CBb3n
32547	C1	6164	286 CBb5	286 CBb5
32566	C1	280	? = CBb target likely outside volume / or not identified	30102 CBb5, 321 CBb3n
32581	C1	6164	431 CBb3n, 321 CBb3n	440 CBb3 or 3n or 4, 324 CBb4w
32608	C1	6164, 369	366 CBb3n, 4569 CBb3n	366 CBb3n
32637	C1	6561	? = CBb target likely outside volume / or not identified	479 CBb3
32643	C1	6617	32654 CBb5	32654 CBb5, 483 CBb5
32668	C1	6618	307 CBb4w	307 CBb4w
32773	C1	10412	6203 CBb3n	6203 CBb3n
32787	C1	10815	5601 CBb4w	5601 CBb4w
32862	C1	10872	5513 CBb4w	5513 CBb4w
32913	C1	10943	16026 CBb6, 593 CBb5	593 CBb5, 5283 CBb5
32920	C1	10960	170 CBb4w, 166 CBb5	170 CBb4w
32926	C1	10964	5535 CBb3n	5537 CBb4
32970	C1	11030	6115 CBb5, 166 CBb5	6115 CBb5, 166 CBb5
32994	C1	11172, 579	5565 CBb3n	5565 CBb3n, 5568 CBb3
33039	C1	11321	5637 CBb3n	6204 CBb4w, 5468 CBb4w
33092	C1	14615	may be pure ff	5562 CBb5, 593 CBb5
33117	C1	15100	26079 CBb4	5513 CBb4w
33127	C1	15942	6912 CBb3n, 408 CBb3n, 28886 CBb3n	6912 CBb3n, 408 CBb3n, 24401 CBb3
33148	C1	15979	324 CBb4w, 366 CBb3n	286 CBb5
33217	C1	10596	5528 CBb3n, 5530 CBb4w	5528 CBb3n
33615	C1	5563	5565 CBb3n	? = CBb source likely outside volume / or not identified
33675	C1	10956	170 CBb4w	170 CBb4w
33714	C1	11085	6204 CBb4w	6204 CBb4w, 5468 CBb4w
34028	C1	171	6117 CBb4w, 142 CBb3n, 170 CBb4w	? = CBb source likely outside volume / or not identified
34036	C1	171, 10625	142 CBb3n, 5279 CBb3n, 176 CBb3n, 6117 CBb4w	142 CBb3n
34055	C1	273, 468, 10412	431 CBb3n, 330 CBb4w, 461 CBb5, 168 CBb3n, 6203 CBb3n, 5530 CBb4w, 5601 CBb4w	5598 CBb3n, 5641 CBb3, 364 CBb4, 431 CBb3n, 330 CBb4w, 168 CBb3n, 21299 CBb3, 595 CBb4, 5601 CBb4w
34135	C1	285	309 CBb6	? = CBb source likely outside volume / or not identified
34148	C1	293	286 CBb5	286 CBb5
34152	C1	293	55191 CBbx	55191 CBbx
34165	C1	350	446 CBb3n or 4 or 4w	446 CBb3n or 4 or 4w
34253	C1	365	332 CBb5	? = CBb source likely outside volume / or not identified
34259	C1	365	? = CBb target likely outside volume / or not identified	332 CBb5
34263	C1	365	? = CBb target likely outside volume / or not identified	428 CBb3
34270	C1	369	330 CBb4w, 324 CBb4w	330 CBb4w
34306	C1	434	? = CBb target likely outside volume / or not identified	461 CBb5
34311	C1	441, 434	330 CBb4w	440 CBb3 or 3n or 4
34315	C1	445	5468 CBb4w, 5601 CBb4w, 446 CBb3n or 4 or 4w, 5530 CBb4w, 5528 CBb3n, 6204 CBb4w, 117990 CBbx	spans volume w/o input - large cell
34452	C1	464	? = CBb target likely outside volume / or not identified	428 CBb3
34494	C1	469	4569 CBb3n, 324 CBb4w, 366 CBb3n, 428 CBb3	324 CBb4w
34509	C1	469	? = CBb target likely outside volume / or not identified	372 CBb3n, 5635 CBb5
34527	C1	469	483 CBb5, 4570 CBb6	? = CBb source likely outside volume / or not identified
34601	C1	518, 519	483 CBb5, 180 CBb6, 6155 CBb3n	483 CBb5, 485 CBb5, 6156 CBb6
34621	C1	518	419 CBb6	419 CBb6
34868	C1	5017	431 CBb3n, 1637 CBb3, 4569 CBb3n, 170 CBb4w, 330 CBb4w, 7024 CBb4w	431 CBb3n
34882	C1	5017	6997 CBb5	6997 CBb5
34899	C1	5556	31157 CBb5, 5645 CBb5	? = CBb source likely outside volume / or not identified

34906	C1	5556	? = CBb target likely outside volume / or not identified	5650 CBb4w
35068	C1	8749	? = CBb target likely outside volume / or not identified	6912 CBb3n, 408 CBb3n, 24401 CBb3
35103	C1	15979	332 CBb5	332 CBb5
35117	C1	16446	? = CBb target likely outside volume / or not identified	485 CBb5
35138	C1	17183	? = CBb target likely outside volume / or not identified	5513 CBb4w
35142	C1	17228	? = CBb target likely outside volume / or not identified	35145 CBb3
35164	C1	464	332 CBb5	5537 CBb4
35188	C1	6911	25155 CBb4w, 6909 CBb3n	25155 CBb4w
35212	C1	9376	176 CBb3n	176 CBb3n, 4877 CBb4
35222	C1	10961	166 CBb5	166 CBb5
35240	C1	10953	5729 CBb5, 5650 CBb4w, 6118 CBb3n, 6158 CBb3n, 6127 CBb3 or 3n or 4, 6117 CBb4w, 5530 CBb4w, 5534 CBb4w	5729 CBb5, 5650 CBb4w
35283	C1	10957	? = CBb target likely outside volume / or not identified	4569 CBb3n
35288	C1	10962, 10142	5530 CBb4w	5530 CBb4w
35308	C1	10969	35314 CBb6	35314 CBb6
35325	C1	11022	5541 CBb 5 or 6, 38245 CBb6	5541 CBb 5 or 6
35335	C1	11037	? = CBb target likely outside volume / or not identified	5598 CBb3n
35343	C1	11038	? = CBb target likely outside volume / or not identified	6204 CBb4i
35356	C1	11043	? = CBb target likely outside volume / or not identified	5649 CBb5
35367	C1	11044	5284 CBb3n	5284 CBb3n
35406	C1	11049	15977 CBb5	15977 CBb5
35418	C1	11234	64939 CBb4	? = CBb source likely outside volume / or not identified
35440	C1	11235	6118 CBb3n	5650 CBb4w
35475	C1	11248	? = CBb target likely outside volume / or not identified	5568 CBb3
35489	C1	422	366 CBb3n	? = CBb source likely outside volume / or not identified
35513	C1	445	? = CBb target likely outside volume / or not identified	344 CBb3 or 3n or 4
35539	C1	10590	5530 CBb4w	5530 CBb4w
35545	C1	10602	? = CBb target likely outside volume / or not identified	35550 CBb6
35653	C1	10956	6127 CBb3 or 3n or 4, 5530 CBb4w, 5528 CBb3n, 170 CBb4w, 180 CBb6	6127 CBb3 or 3n or 4, 5530 CBb4w
36419	C1	518	82353 CBbx	? = CBb source likely outside volume / or not identified
37135	C1	518	419 CBb6	? = CBb source likely outside volume / or not identified
37466	C1	519	? = CBb target likely outside volume / or not identified	5279 CBb3n, 5513 CBb4w
38236	C1	10826	5623 CBb5	5623 CBb5
38302	C1	11033	6050 CBb3n	? = CBb source likely outside volume / or not identified
38307	C1	11033	5599 CBb5, 6050 CBb3n	5601 CBb4w, 4877 CBb4, 5599 CBb5
38379	C1	10931	? = CBb target likely outside volume / or not identified	5297 CBb3
38395	C1	10897	419 CBb6	targets Aii - therefore CBb via coupling
38461	C1	10412	5468 CBb4w	? = CBb source likely outside volume / or not identified
38483	C1	8586	5649 CBb5	5649 CBb5
38605	C1	422, 369	4569 CBb3n, 3116 CBb4, 170 CBb4w	364 CBb4, 366 CBb3n, 4569 CBb3n
38698	C1	360	330 CBb4w	? = CBb source likely outside volume / or not identified
38703	C1	360	330 CBb4w, 335 CBb4	335 CBb4
38718	C1	345	446 CBb3n or 4 or 4w	6165 CBb4w
38727	C1	334	332 CBb5	332 CBb5
38735	C1	17533	? = CBb target likely outside volume / or not identified	299 CBb3n
38949	C1	9376	5584 CBb3 or 4, 176 CBb3n, 431 CBb3n, 5598 CBb3n, 4569 CBb3n	5584 CBb3 or 4, 176 CBb3n, 431 CBb3n
39319	C1	516	166 CBb5	5600 CBb6
39596	C1	516	? = CBb target likely outside volume / or not identified	166 CBb5
39602	C1	516	? = CBb target likely outside volume / or not identified	166 CBb5
39610	C1	516	? = CBb target likely outside volume / or not identified	166 CBb5
39615	C1	10931, 516	180 CBb6	166 CBb5
39677	C1	516	? = CBb target likely outside volume / or not identified	? = CBb source likely outside volume / or not identified

39717	C1	10625	? = CBb target likely outside volume / or not identified	166 CBb5
39851	C1	519, 15100	408 CBb3n, 26079 CBb4	39862 CBb3
39876	C1	519	485 CBb5	485 CBb5
39982	C1	5923	5520 CBb3n	7024 CBb4w
39998	C1	342	? = CBb target likely outside volume / or not identified	440 CBb3 or 3n or 4
40880	C1	517	? = CBb target likely outside volume / or not identified	6117 CBb4w
40947	C1	517	? = CBb target likely outside volume / or not identified	16026 CBb6
40991	C1	517	593 CBb5, 6117 CBb4w	? = CBb source likely outside volume / or not identified
41003	C1	517	1637 CBb3	1724 CBb3n
43431	C1	11031	593 CBb5, 6115 CBb5	? = CBb source likely outside volume / or not identified
43507	C1	11401	6997 CBb5	? = CBb source likely outside volume / or not identified
45629	C1	453	330 CBb4w	? = CBb source likely outside volume / or not identified
47104	C1	11033	6047 CBb3n, 5601 CBb4w, 299 CBb3n, 1724 CBb3n, 142 CBb3n, 485 CBb5, 6155 CBb3n, 408 CBb3n, 307 CBb4w	24401 CBb3, 6155 CBb3n, 299 CBb3n, 1724 CB3n, 5279 CBb3n, 6047 CBb3n
122768	C1	10412	5600 CBb6	5600 CBb6
127796	C1	579	46388 CBb4, 118258 CBbx	46388 CBb4, 118258 CBbx
127813	C1	579	5623 CBb5	5623 CBb5
127841	C1	15100	6997 CBb5	6997 CBb5
127846	C1	8749, 17183	485 CBb5, 6589 CBbwf	485 CBb5

Table 2: C2 motifs n=13				
structure	motif	Rod BCs targeted	Cone BCs targeted / other targets (:: = coupling)	Cone BCs sourced / other sources (:: = coupling)
278	C2	342, 334	276 CBb6	277 CBb3n or 4, 344 CBb3 or 3n or 4
2064	C2	8749	9693 CBb6	6155 CBb3n, 6912 CBb3n
5280	C2	517	? = CBb target likely outside volume / or not identified	5279 CBb3n
5487	C2	469	4570 CBb6	168 CBb3n
7576	C2	10961	177 CBb6	177 CBb6, 176 CBb3n, 5528 CBb3n, 595 CBb4::, 5531 CBb3::
35597	C2	11049	6118 CBb3n	6162 CBb4
36421	C2	518	heavy AC targeting	419 CBb6, 6155 CBb3n
34256	C2	365	? = CBb target likely outside volume / or not identified	Hi gly AC - All such ACs are cone driven - not yet traced
35068	C2	8749	? = CBb target likely outside volume / or not identified	6912 CBb3n, 408 CBb3n, 24401 CBb3
35483	C2	334	? = CBb target likely outside volume / or not identified	Hi gly AC - All such ACs are cone driven - not yet traced
39192	C2	516	? = CBb target likely outside volume / or not identified	142 CBb3
127764	C2	9376	5601 CBb4w	4877 CBb4w, 5601 CBb4w
129154	C2	8749	targets Aii	? = CBb source likely outside volume / or not identified
Table 3: C3 motifs n=6				
structure	motif	Rod BCs targeted	Cone BCs targeted / other targets	Cone BCs sourced / other sources
5281	C3	516, 10960, 10959, 10625, 518	6117 CBb4w, 15977 CBb5, 483 CBb5, 166 CBb5	only input from ACs: 43134, 11651, 11683, 60558 < 5596 Cba12, 43130, 60556, 15475, 43132, 60549, 43127, 43114, 70456,
5454	C3	3881, 5614, 10840, 360	5536 CBb3n or 3 or 4, 5635 CBb5, 330 CBb4w, 25155 CBb4w	only input from ACs: 60572, 38435, 38446
30477	C3	380, 294, 516, 517	485 CBb5, 24401 CBCb3	only input from ACs: 98641, 101590, 101632, 129192
32945	C3	11030	? = CBb target likely outside volume / or not identified	only input from ACs: 106127, 9769
34159	C3	294	? = CBb target likely outside volume / or not identified	only input from ACs: 129199, 129201
35331	C3	11022	? = CBb target likely outside volume / or not identified	only input from ACs: 35325
Table 4: C4 motifs n=85				
structure	motif	AI ACs targeted	Cone BCs targeted / other targets	Cone BCs sourced / other sources
10335	C4	591	3679 Aii at lobule	Aii 3679 at lobule
37461	C4	591	514 Aii at lobule	

10371	C4	591		6136 CBab23
30332	C4	591	7147 Aii at lobule	
12192	C4	591		5498 CBa1, 8485 CBa1
46682	C4	591	No CBa found yet	No CBa found yet
46693	C4	591	CBax 106528	
128171	C4	591	992 Cbab	
7274	C4	5303		5639 CBab, 3928 CBab24
35681	C4	5303	6048 CBab, 6132 CBab	35698 CBa, 6132 CBab, 3259 CBab
46351	C4	5303	992 CBab	No CBa found yet
46359	C4	5303	172 CBa2, 46373 CBa	172 CBa2, 46373 CBa
46379	C4	5303		127964 CBa
46386	C4	5303	46384 CBa	extensive nesting - many ac inputs, no CBa found yet
46389	C4	5303	12099 CBa	173 CBab
46391	C4	5303	35696 CBa	
46443	C4	5303	35696 CBa	175 CBa2w
46449	C4	5303	138 CBab, 173 CBab, 6136 CBab23	138 CBab
46468	C4	5303	extensive - many ac inputs, no CBa found yet	Nested
46498	C4	5303	CBab138, CBab 992	CBab 992
46502	C4	5303	CBab181	No CBa found yet
46504	C4	5303	46508, 46512 CBa	46512 CBa
46514	C4	5303	127940 CBa	127946 CBa
46517	C4	5303		127953 CBa
46521	C4	5303	46527 CBa	46527 CBa
46530	C4	5303	29340 GC, 6048 CBa	Nested
42957	C4	4943	5596 CBa	No CBa found yet
13448	C4	4943		5532 CBa2
43203	C4	4943, 5634	6132 CBab	6132 CBab
42980	C4	4943	No CBa found yet - OFF VOLUME EAST EDGE	No CBa found yet - OFF VOLUME EAST EDGE
42977	C4	4943		5596 CB1-2
42877	C4	4943		5596 CBa1-2
8551	C4	4943	3928 CBab24, 5338 CBab, 5636 CBab	3928 CBab24, 5338 CBab, 5636 CBab
42846	C4	4943	5598 CBb3n	
43201	C4	4943	7346 CBa2w, 127972 CBa	
43261	C4	4943	6046 CBa2-3	6046 CBa2-3
42795	C4	4943		455 cbab23
42816	C4	4943	5596 CBa12	5596 CBa12
42858	C4	4943	175 CBa2w	
43207	C4	4943	175 CBa2w, 32359 cbab23, 6128 cba2w, 165 CBab, 478 cbabw	
42927	C4	4943		No CBa found yet
43259	C4	4943		No CBa found yet
42890	C4	4943	6957 CBa	6957 CBa
42953	C4	4943	unlabeled CBa	
42968	C4	4943	unlabeled CBa	
43205	C4	4943	122085 CBa	122801 CBa, 6133 CBab
42948	C4	4943		No CBa found yet
43142	C4	4943		No CBa found yet
42873	C4	4943		No CBa found yet
42985	C4	4943	5596 CBa1-2	
42971	C4	4943		122091 CBa
42966	C4	4943	12209 CBa	12209 CBa
42866	C4	4943		6957 cba
43198	C4	4943		7346 CBa2w

42951	C4	4943		6910 cba
8504	C4	4943	6133 cbab, 5538 cbab, 32359 cbab	6133 cbab, 5538 cbab, 32359 cbab
13134	C4	4850, 488	No CBa found yet	No CBa found yet
12696	C4	4850	No CBa found yet	No CBa found yet
14291	C4	4850		14293 cbax
13159	C4	4850	122104 CBa	122104 CBa
21094	C4	4850	424 cba2, 165 cbab	
46052	C4	308	No CBa found yet	No CBa found yet
46090	C4	308	382 CBa1	
46059	C4	308, 179	107026 CBa	
42711	C4	308	traverses volume in off layer - multiple AC i/o, no CBa	
43747	C4	308		483 CBb5
46074	C4	308	475 cba1	475 cba1
46054	C4	308	46057 cba	
46121	C4	308	426 cba2, 46186 cba, 4639 cbab	
46093	C4	308		46098 cba
22225	C4	179	5545 CBa2, 128205 Cba ilex	5545 CBa2
43601	C4	179		
87493	C4	179		
87496	C4	179	173 Cbab	
122707	C4	179	122711 CBa, 122716 CBa	122711 CBa, 122716 CBa
127999	C4	179	tracing in progress	tracing in progress
128009	C4	179	tracing in progress	tracing in progress
128015	C4	179	478 CBaw, 128044 CBa, 129050 CBa, CBa 31944	CBa 31944
(60445)				
128060 / 60445	C4	179, 4850	129082 CBa	
128101	C4	179	173 CBab	173 CBab
128122	C4	179	172 CBa2	128133 Cba
128152	C4	179	173 CBab, 175 CBa2w	173 CBab
128184	C4	179	173 Cbab	173 Cbab
128193	C4	179		
128203	C4	179	5545 CBa2	5545 CBa2
<b>Table 5: C5 motifs n=4</b>				
<b>structure</b>	<b>motif</b>	<b>AI ACs targeted</b>	<b>Cone BCs targeted / other targets</b>	<b>Cone BCs sourced / other sources</b>
7188	C5	4943, 5634		5539 cba2
8035	C5	5609	6118 CBb3n	6118 CBb3n
7897	C5	5303		6046 CBa23, 55686 cba, 5499 cbb4i
122930	C5	5394	122933 CBa, 6122 Cbab	

<b>Table 6: R1, R2, R4, R5 motifs</b>			
	<b>All ACs</b>	<b>Motif R1 &amp; R2 CBb cells coupled to All ACs</b>	<b>Motif R4 &amp; R5 Cba cells postsynaptic to All ACs</b>
1	223	47092, 47195	21874
2	284	286, 321, 324	605
3	304	307, 299, 9693, 46892, 38787, 32654, 400	129181
4	410	485, 408, 307, 6912, 419, 372	478
5	476	6155, 4569, 324, 170, 419, 4570	460, 475, 425, 4568, 4567
6	514	1724, 5517, 9693, 483, 5729, 593, 6589	9504, 8485, 4567, 478, 4568
7	573	28886	6166
8	2610	45894, 6589, 6997, 6912, 9693, 26079, 5513	382, 475, 8485
9	3257	166, 4570, 168	968, 4568, 4554
10	3679	142, 6117, 5284, 5503, 593, 5279	5511, 992, 5502, 161, 5648, 138, 2063, 4849, 4567
11	4835	431, 461, 332	31874, 437, 455, 968
12	5345	6997, 6589, 5623, 19203	5514
13	5464	6203	6138
14	5473	6958, 5638, 117127, 15976, 5468	5640, 5587
15	5860	7174, 38324, 177, 5635, 176, 5530, 5528	5544, 172
16	6153	419, 372, 366, 309, 37295	325, 426, 425
17	6169	166, 180, 6115, 176, 142, 6050, 6117	172, 181, 992, 138, 173, 165
18	7050	5729, 8040, 5520, 5499, 5565, 5562	5922, 5671
19	7113	5641, 5599, 5594, 5601, 6050	5639, 175, 173, 35696, 4876
20	7114	5600, 5637, 15977, 5598	5585, 5640, 5596
21	7147	6047	6136
22	7157	431, 276, 37295, 277, 330, 332, 419, 366	31944, 26304, 433, 359
23	7225	5528, 5535, 25155, 38245	5539, 11066, 7346, 32359, 3928, 6132
24	7279	5636, 5607, 6961, 5534	5636, 5607, 6961, 5534
25	7345	5537	11066
26	7468	344	354, 47908
27	7564	168, 5530	10963, 5544, 5542, 458
28	7860	446	452
29	7861	450	7346, 6128, 5543, 452
30	7904	5645 CBb5, 6120 CBb3n, 6118 CBb3n, CBb 6146	6125
31	7951	6123, 6118	6125, 5504
32	8032	6120, 6141, 6142	6140
33	8037	5562, 7024, 7043, 5515	5498
34	8038	5565	5622
35	11229	5535, 5637	6134, 6133
36	11408	5729 CBb4w	5909 Cba
37	12897	5503, 5562	5502, 161
38	17527	70095 CBb, 12948 CBb	Soma and lobules off west edge - no Cba contacts
39	70500	89120 CBb3n	5630 Cba

<b>Table 7: R25 motifs</b>			
	<b>GACs</b>	<b>CBb sources (S) &amp; targets (T)</b>	<b>Cba sources (S) and Targets (T)</b>
1	7568	277 CBb3n(S), 327 CBb3(S), 364 CBb4(S), 29198 ONOFF GC (T)	478 CBabw (S), 968 Cbab (S), 29198 ONOFF GC (T)
2	7134	6121 CBb3 (ST), 5501 CBb3 (ST), 5297 CBb3 (ST), 4576 CBb3 (ST), 909 CBb3 (S), 1021 CBb4 (S).	12242 CBab (S), 6046 CBa23 (ST), 5648 Cba (ST)
3	5497	19203 CBb3 (ST), 909 CBb3 (ST)	14293 Cba (ST), 999 Cbab (S), 62599 Cba (S), 62540 Cba (S), 62531 Cba (S), 59392 Cba (S), 59362 Cba (S), 59262 Cba (S), 16940 Cba (S), 5566 Cba (S)
4	906	5476 CBb6 (ST), 307 CBb4w (ST),	478 CBabw (S), 424 Cba2 (S), 122463 Cba (S), 35046 Cba (S), 9504 Cba2 (S)

<b>Table 8: R3 &amp; CR</b>					
	YAC	CBb targets	CBb sources	Rod BC sources	Rod BC targets
<b>R3</b>	18282	286 CBb5, 166 CBb5, 332 CBb5, 461 CBb5, 483 CBb5, 484 CBb5, 593 CBb5, 5562 CBb5, 5916 CBb5, 6115 CBb5, 6997 CBb5, 38848 CBbx, 43460 CBbx	180 CBb6, 286 CBb5, 3309 CBb6, 332 CBb5, 419 CBb6, 461 CBb5, 483 CBb5, 484 CBb5, 593 CBb5, 5515 CBb6, 5522 CBb5, 5562 CBb5, 5599 CBb5, 5600 CBb6, 5916 CBb5, 6115 CBb5, 6156 CBb5, 6997 CBb5, 38848 CBbx, 72402 CBbx	5563	
<b>R3</b>	9679	5228 CBb5 CBb3n, 5650 CBb4w, 6203 CBb3n	170 CBb4w, 307 CBb4w, 321 CBb3n, 324 CBb4w, 327 CBb3, 330 CBb4w, 335 CBb4, 1021 CBb4, 4877 CBb4, 5284 CBb3n, 5292 CBb4, 5297 CBb3, CBb4w 5468, 5513 CBb4w, 5528 CBb3n, 5530 CBb4w, 5561 CBb3n, 5598 CBb3n, 5601 CBb4w, 5607 CBb3n, 5641 CBb3, 5650 CBb4w, 6047 CBb3n, 6050 CBb3n, 6117 CBb4w, 6120 CBb3n, 6121 CBb3n, 6146 CBb, 6155 CBb3n, 6203 CBb3n, 6204 CBb4w, 7024 CBb4w, 21299 CBb3, 24303 CBb4w, 26079 CBb4, 30102 CBb4w, 30177 CBbx, 31710 CBbx, 55223 CBbx, 83179 CBbx	52257	
<b>R3</b>	61466	5297 CBb3n		11043	
<b>R3</b>	38404	5637 CBb3	5641 CBb3	10840	
<b>CR</b>	31700	330 CBb5, 268 CBb4w	CBx 31710	342 342, 345	
<b>CR</b>	20299	286 CBb5, 483 CBb5, 71935 CBb, 4569 CBb3n	431 CBb3n, 286 CBb5, 483 CBb5, 71935 CBb, 4569 CBb3n	285 285, 464	