Genomic Island Analysis Clean
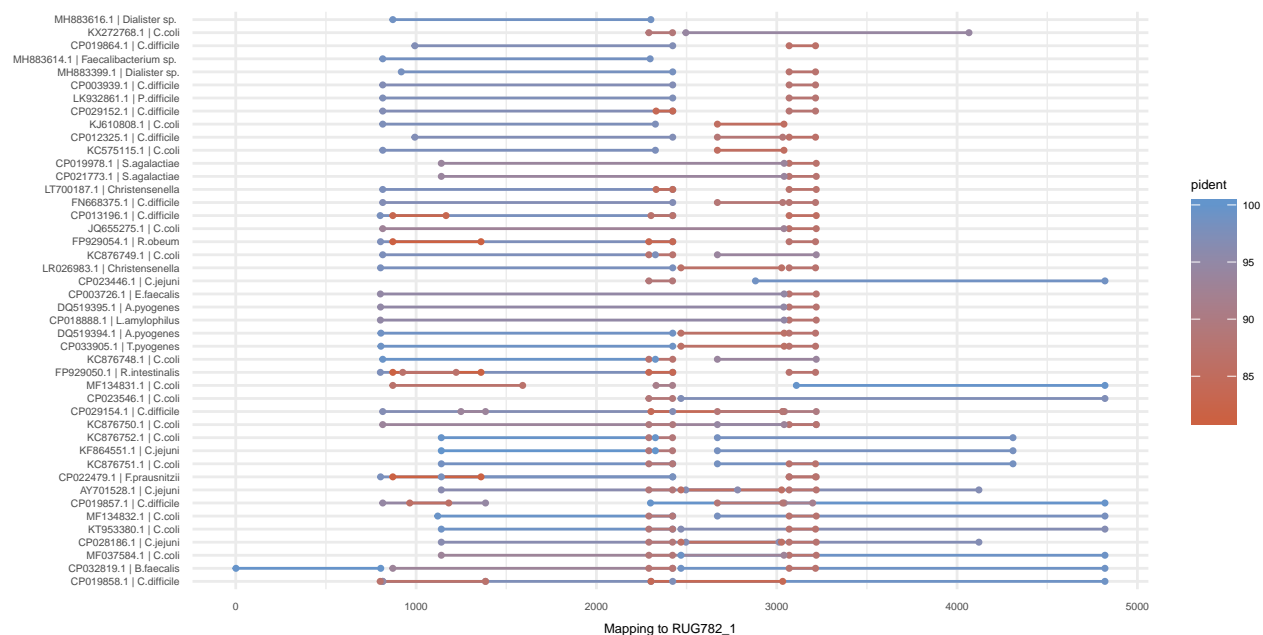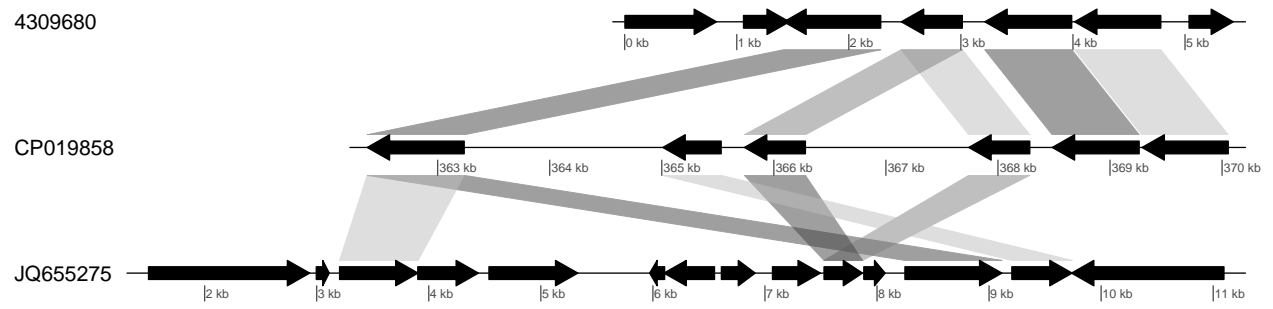
Cameron Strachan

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Summary

This time I took the single contig (4309680_59), because it had a ANT6 on it on my tree, and blasted it. Took the top 50 ncbi hits, added it to the rumen genomes and blast it.

Analysis steps
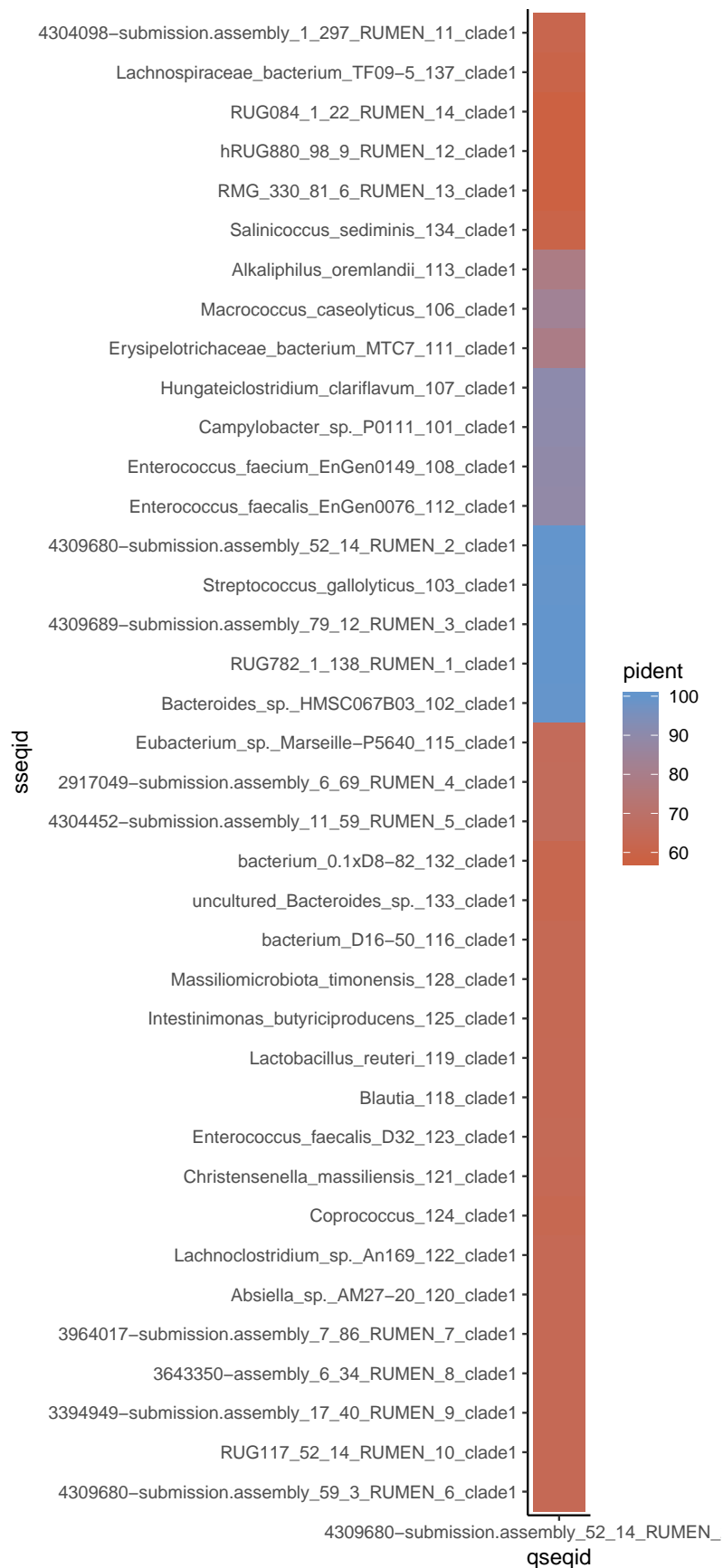


```
## # A tibble: 9 x 3
##   qseqid      bitscore_sum  Freq
##   <fct>              <dbl> <int>
## 1 CP023546.1          4150     4
## 2 CP023544.1          4150     4
## 3 CP017872.1          4150     4
## 4 CP004067.1          4150     4
## 5 CP021773.1          3031     2
## 6 CP021862.1          3031     2
## 7 CP019864.1          2559     3
## 8 CP026615.2          2559     3
## 9 CP026614.2          2559     3
```
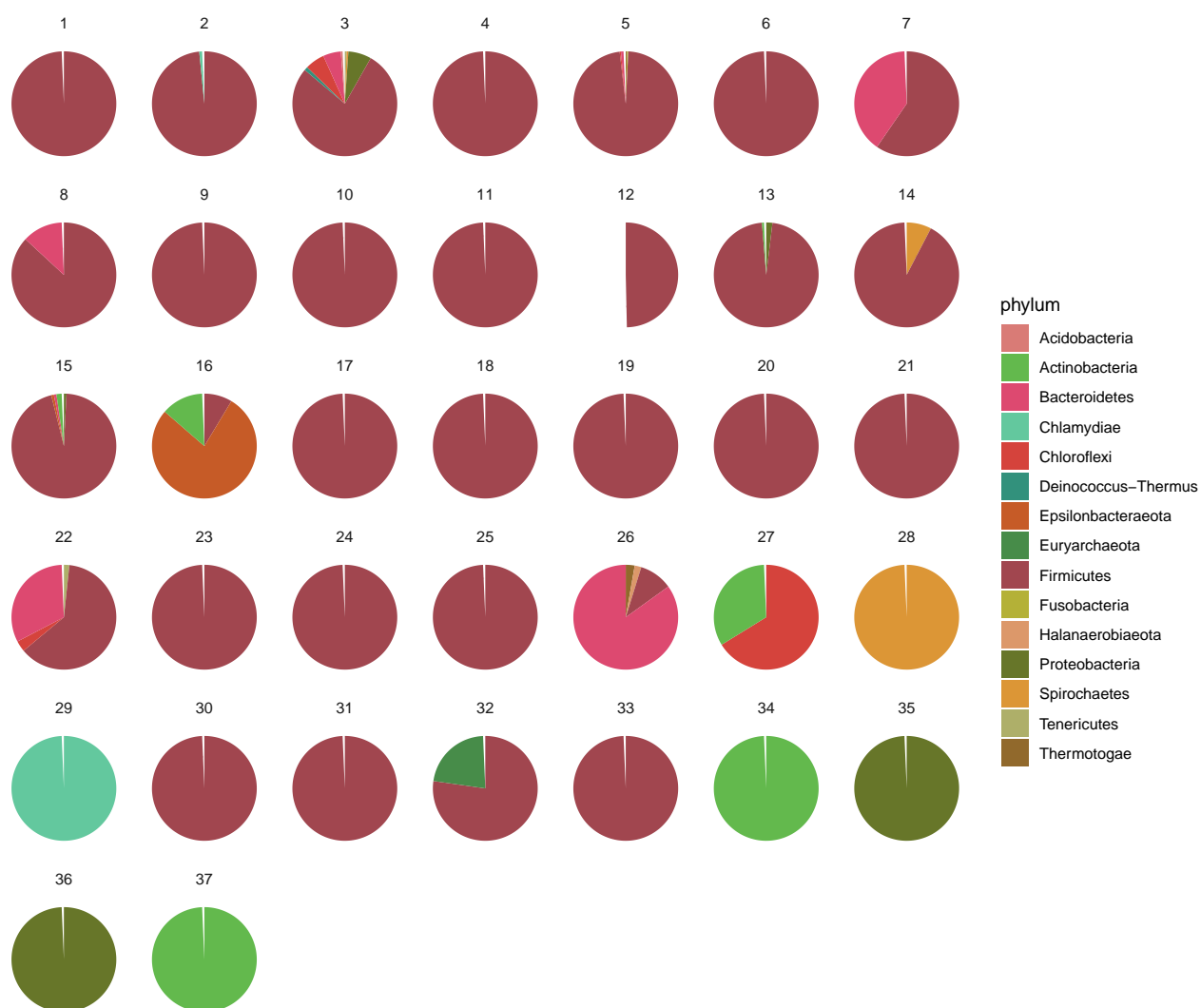
Gene diagrams of representative sequences

3

phylum

- Acidobacteria
- Actinobacteria
- Bacteroidetes
- Chlamydiae
- Chloroflexi
- Deinococcus–Thermus
- Epsilonbacteraeota
- Euryarchaeota
- Firmicutes
- Fusobacteria
- Halanaerobiaeota
- Proteobacteria
- Spirochaetes
- Tenericutes
- Thermotogae

Clade	Total
1	4
2	113
3	181
4	10
5	252
6	3
7	5
8	8
9	3
10	12
11	4
13	156
14	13
15	124
16	23
17	4
18	2
19	5
20	6
21	6
22	59
23	23
24	1
25	2
26	145
27	3
28	1
29	2
30	2
31	10
32	9
33	7
34	8
35	7
36	8
37	3
12	2

clade 7

Clade_num	total	nrumen
1	299	9
2	38	0
3	547	48
4	3	0
5	12	0
6	12	0
7	143	14
8	23	0
9	3	0
10	2	0
11	17	0
12	4	0
13	15	12
14	2	2
15	148	0
16	9	0
17	18	0
18	8	0
19	11	1
20	3	0
21	2	0
22	28	14

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