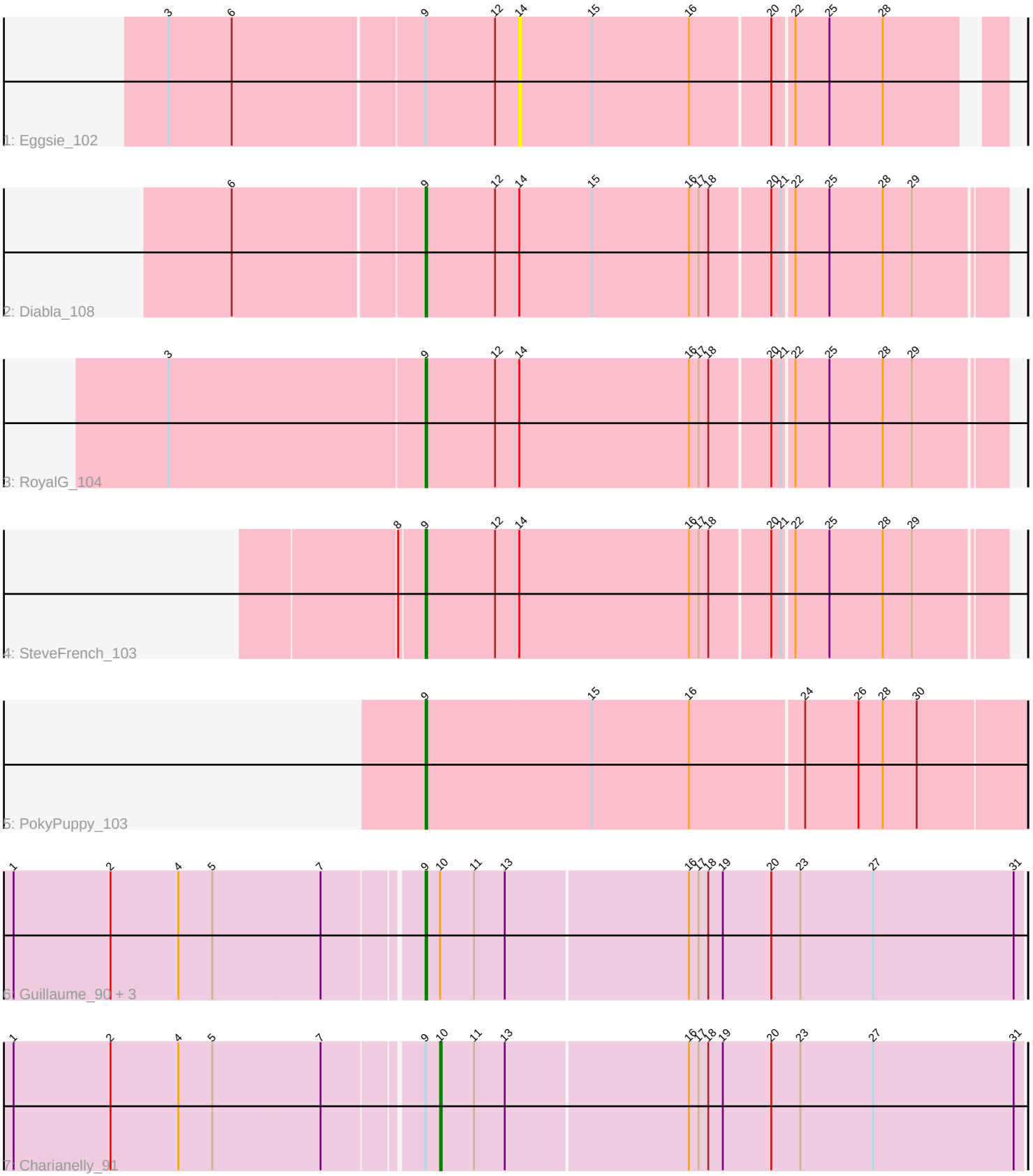
Pham 203555


3
6
9
12
14
15
16
20
22
25
28
1: Eggsie_102
6
9
12
14
15
16
17
18
20
21
22
25
28
29
2: Diabla_108
3
9
12
14
16
17
18
20
21
22
25
28
29
3: RoyalG_104
8
9
12
14
16
17
18
20
21
22
25
28
29
4: SteveFrench_103
9
15
16
24
26
28
30
5: PokyPuppy_103
1
2
4
5
7
9
10
11
13
16
17
18
19
20
23
27
31
6: Guillaume_90 + 3
1
2
4
5
7
9
10
11
13
16
17
18
19
20
23
27
31
7: Charianelly_91

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 203555 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203555 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Eggsie_102
• Track 2 : Diabla_108
• Track 3 : RoyalG_104
• Track 4 : SteveFrench_103
• Track 5 : PokyPuppy_103
• Track 6 : Guillaume_90, Anamika_90, Nimi13_90, Bianmat_91
• Track 7 : Charianelly_91

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anamika_90, Bianmat_91, Diabla_108, Guillaume_90, Nimi13_90, PokyPuppy_103, RoyalG_104, SteveFrench_103,

Genes that have the "Most Annotated" start but do not call it:
• Charianelly_91, Eggsie_102,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 9:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Anamika_90 (CS3), Bianmat_91 (CS3), Diabla_108 (CS2), Guillaume_90 (CS3), Nimi13_90 (CS3), PokyPuppy_103 (CS2), RoyalG_104 (CS2), SteveFrench_103 (CS2),

Start 10:

• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Charianelly_91 (CS3),

Start 14:
• Found in 4 of 10 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Eggsie_102 (CS2),

Summary by clusters:

There are 2 clusters represented in this pham: CS3, CS2,

Info for manual annotations of cluster CS2:
•Start number 9 was manually annotated 4 times for cluster CS2.

Info for manual annotations of cluster CS3:
•Start number 9 was manually annotated 4 times for cluster CS3.
•Start number 10 was manually annotated 1 time for cluster CS3.

Gene Information:

Gene: Anamika_90 Start: 71196, Stop: 70831, Start Num: 9
Candidate Starts for Anamika_90:
(1, 71442), (2, 71382), (4, 71340), (5, 71319), (7, 71253), (Start: 9 @71196 has 8 MA's), (Start: 10 @71187 has 1 MA's), (11, 71166), (13, 71148), (16, 71037), (17, 71031), (18, 71025), (19, 71016), (20, 70986), (23, 70968), (27, 70923), (31, 70836),

Gene: Bianmat_91 Start: 71208, Stop: 70843, Start Num: 9
Candidate Starts for Bianmat_91:
(1, 71454), (2, 71394), (4, 71352), (5, 71331), (7, 71265), (Start: 9 @71208 has 8 MA's), (Start: 10 @71199 has 1 MA's), (11, 71178), (13, 71160), (16, 71049), (17, 71043), (18, 71037), (19, 71028), (20, 70998), (23, 70980), (27, 70935), (31, 70848),

Gene: Charianelly_91 Start: 70912, Stop: 70556, Start Num: 10
Candidate Starts for Charianelly_91:
(1, 71167), (2, 71107), (4, 71065), (5, 71044), (7, 70978), (Start: 9 @70921 has 8 MA's), (Start: 10 @70912 has 1 MA's), (11, 70891), (13, 70873), (16, 70762), (17, 70756), (18, 70750), (19, 70741), (20, 70711), (23, 70693), (27, 70648), (31, 70561),

Gene: Diabla_108 Start: 74198, Stop: 73851, Start Num: 9
Candidate Starts for Diabla_108:
(6, 74312), (Start: 9 @74198 has 8 MA's), (12, 74156), (14, 74141), (15, 74096), (16, 74036), (17, 74030), (18, 74024), (20, 73988), (21, 73982), (22, 73976), (25, 73955), (28, 73922), (29, 73904),

Gene: Eggsie_102 Start: 72021, Stop: 71740, Start Num: 14
Candidate Starts for Eggsie_102:
(3, 72231), (6, 72192), (Start: 9 @72078 has 8 MA's), (12, 72036), (14, 72021), (15, 71976), (16, 71916), (20, 71868), (22, 71856), (25, 71835), (28, 71802),

Gene: Guillaume_90 Start: 70929, Stop: 70564, Start Num: 9
Candidate Starts for Guillaume_90:
(1, 71175), (2, 71115), (4, 71073), (5, 71052), (7, 70986), (Start: 9 @70929 has 8 MA's), (Start: 10 @70920 has 1 MA's), (11, 70899), (13, 70881), (16, 70770), (17, 70764), (18, 70758), (19, 70749), (20, 70719), (23, 70701), (27, 70656), (31, 70569),

Gene: Nimi13_90 Start: 70919, Stop: 70554, Start Num: 9
Candidate Starts for Nimi13_90:
(1, 71165), (2, 71105), (4, 71063), (5, 71042), (7, 70976), (Start: 9 @70919 has 8 MA's), (Start: 10 @70910 has 1 MA's), (11, 70889), (13, 70871), (16, 70760), (17, 70754), (18, 70748), (19, 70739), (20, 70709), (23, 70691), (27, 70646), (31, 70559),

Gene: PokyPuppy_103 Start: 74424, Stop: 74059, Start Num: 9
Candidate Starts for PokyPuppy_103:
(Start: 9 @74424 has 8 MA's), (15, 74322), (16, 74262), (24, 74193), (26, 74160), (28, 74145), (30, 74124),

Gene: RoyalG_104 Start: 73228, Stop: 72881, Start Num: 9
Candidate Starts for RoyalG_104:
(3, 73384), (Start: 9 @73228 has 8 MA's), (12, 73186), (14, 73171), (16, 73066), (17, 73060), (18, 73054), (20, 73018), (21, 73012), (22, 73006), (25, 72985), (28, 72952), (29, 72934),

Gene: SteveFrench_103 Start: 73467, Stop: 73120, Start Num: 9
Candidate Starts for SteveFrench_103:
(8, 73482), (Start: 9 @73467 has 8 MA's), (12, 73425), (14, 73410), (16, 73305), (17, 73299), (18, 73293), (20, 73257), (21, 73251), (22, 73245), (25, 73224), (28, 73191), (29, 73173),