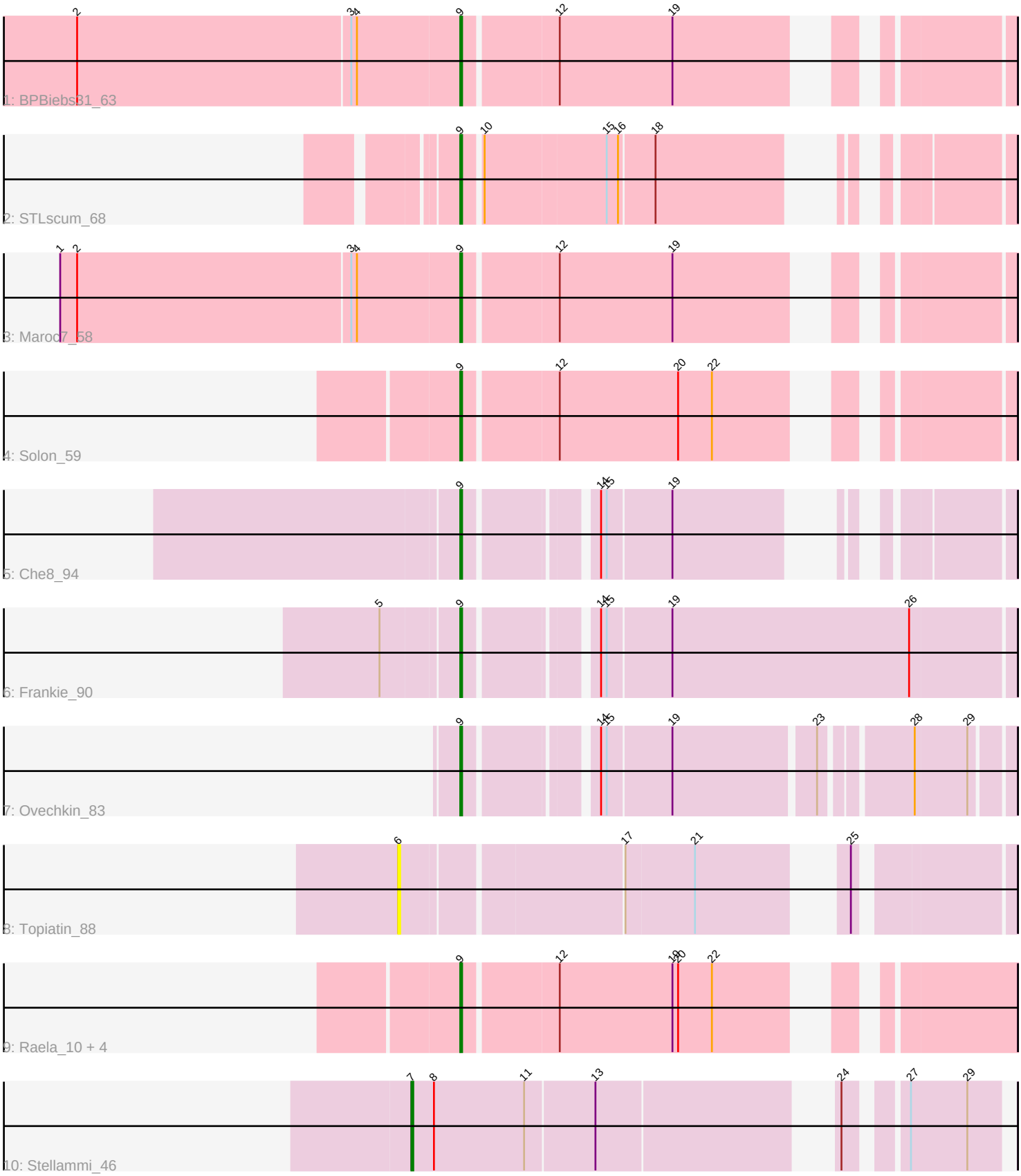
Pham 305405


2
3
4
9
12
19
1: BPBiebs31_63
9
10
15
16
18
2: STLscum_68
1
2
3
4
9
12
19
3: Maroc7_58
9
12
20
22
4: Solon_59
9
14
15
19
5: Che8_94
5
9
14
15
19
26
6: Frankie_90
9
14
15
19
23
28
29
7: Ovechkin_83
6
17
21
25
8: Topiatin_88
9
12
18
19
22
9: Raela_10 + 4
7
8
11
13
24
27
29
10: Stellammi_46

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 305405 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305405 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BPBiebs31_63
• Track 2 : STLscum_68
• Track 3 : Maroc7_58
• Track 4 : Solon_59
• Track 5 : Che8_94
• Track 6 : Frankie_90
• Track 7 : Ovechkin_83
• Track 8 : Topiatin_88
• Track 9 : Raela_10, Tesla_10, Blackbeetle_10, Poise_10, SG4_82
• Track 10 : Stellammi_46

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BPBiebs31_63, Blackbeetle_10, Che8_94, Frankie_90, Maroc7_58, Ovechkin_83, Poise_10, Raela_10, SG4_82, STLscum_68, Solon_59, Tesla_10,

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

Genes that do not have the "Most Annotated" start:
• Stellammi_46, Topiatin_88,

Summary by start number:

Start 6:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Topiatin_88 (F1),

Start 7:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_46 (UNK),

Start 9:
• Found in 12 of 14 (85.7%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BPBiebs31_63 (A1), Blackbeetle_10 (S), Che8_94 (F1), Frankie_90 (F1), Maroc7_58 (A1), Ovechkin_83 (F1), Poise_10 (S), Raela_10 (S), SG4_82 (F1), STLscum_68 (A1), Solon_59 (A1), Tesla_10 (S),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, S, UNK,

Info for manual annotations of cluster A1:
•Start number 9 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 4 times for cluster F1.

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

Info for manual annotations of cluster UNK:
•Start number 7 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: BPBiebs31_63 Start: 41560, Stop: 41312, Start Num: 9
Candidate Starts for BPBiebs31_63:
(2, 41761), (3, 41617), (4, 41614), (Start: 9 @41560 has 12 MA's), (12, 41512), (19, 41452),

Gene: Blackbeetle_10 Start: 3064, Stop: 3315, Start Num: 9
Candidate Starts for Blackbeetle_10:
(Start: 9 @3064 has 12 MA's), (12, 3112), (19, 3172), (20, 3175), (22, 3193),

Gene: Che8_94 Start: 51968, Stop: 52192, Start Num: 9
Candidate Starts for Che8_94:
(Start: 9 @51968 has 12 MA's), (14, 52028), (15, 52031), (19, 52064),

Gene: Frankie_90 Start: 50801, Stop: 51076, Start Num: 9
Candidate Starts for Frankie_90:
(5, 50762), (Start: 9 @50801 has 12 MA's), (14, 50861), (15, 50864), (19, 50897), (26, 51023),

Gene: Maroc7_58 Start: 41045, Stop: 40797, Start Num: 9
Candidate Starts for Maroc7_58:
(1, 41255), (2, 41246), (3, 41102), (4, 41099), (Start: 9 @41045 has 12 MA's), (12, 40997), (19, 40937),

Gene: Ovechkin_83 Start: 49406, Stop: 49663, Start Num: 9
Candidate Starts for Ovechkin_83:
(Start: 9 @49406 has 12 MA's), (14, 49466), (15, 49469), (19, 49502), (23, 49574), (28, 49616), (29, 49643),

Gene: Poise_10 Start: 3064, Stop: 3315, Start Num: 9
Candidate Starts for Poise_10:
(Start: 9 @3064 has 12 MA's), (12, 3112), (19, 3172), (20, 3175), (22, 3193),

Gene: Raela_10 Start: 3468, Stop: 3719, Start Num: 9
Candidate Starts for Raela_10:
(Start: 9 @3468 has 12 MA's), (12, 3516), (19, 3576), (20, 3579), (22, 3597),

Gene: SG4_82 Start: 49730, Stop: 49978, Start Num: 9
Candidate Starts for SG4_82:
(Start: 9 @49730 has 12 MA's), (12, 49778), (19, 49838), (20, 49841), (22, 49859),

Gene: STLscum_68 Start: 42547, Stop: 42314, Start Num: 9
Candidate Starts for STLscum_68:
(Start: 9 @42547 has 12 MA's), (10, 42538), (15, 42475), (16, 42469), (18, 42451),

Gene: Solon_59 Start: 40107, Stop: 39859, Start Num: 9
Candidate Starts for Solon_59:
(Start: 9 @40107 has 12 MA's), (12, 40059), (20, 39996), (22, 39978),

Gene: Stellammi_46 Start: 31914, Stop: 31642, Start Num: 7
Candidate Starts for Stellammi_46:
(Start: 7 @31914 has 1 MA's), (8, 31902), (11, 31854), (13, 31818), (24, 31713), (27, 31689), (29, 31659),

Gene: Tesla_10 Start: 3055, Stop: 3306, Start Num: 9
Candidate Starts for Tesla_10:
(Start: 9 @3055 has 12 MA's), (12, 3103), (19, 3163), (20, 3166), (22, 3184),

Gene: Topiatin_88 Start: 50765, Stop: 51043, Start Num: 6
Candidate Starts for Topiatin_88:
(6, 50765), (17, 50876), (21, 50912), (25, 50969),