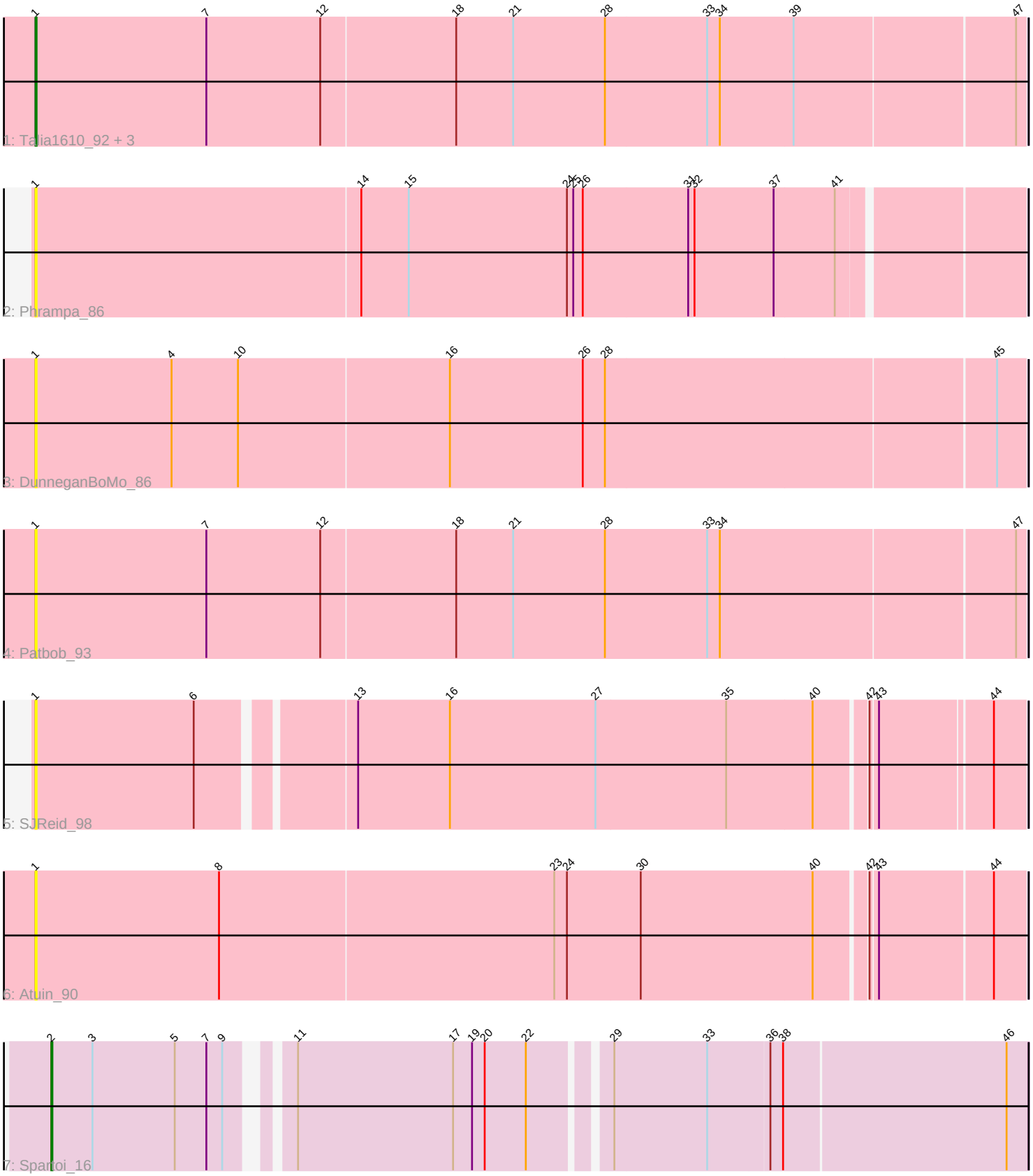
Pham 194559


1
7
12
18
21
28
33
34
39
47
1: Talia1610_92 + 3
1
14
15
24
25
26
32
37
41
2: Phrampa_86
1
4
10
16
26
28
45
3: DunneganBoMo_86
1
7
12
18
21
28
33
34
47
4: Patbob_93
1
6
13
16
27
35
40
42
43
44
5: SJReid_98
1
8
23
24
30
40
42
43
44
6: Atuin_90
2
3
5
7
9
11
17
19
20
22
29
33
36
38
46
7: Spartoi_16

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 194559 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194559 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Talia1610_92, Bloom_96, Mimi_98, Racecar_93
• Track 2 : Phrampa_86
• Track 3 : DunneganBoMo_86
• Track 4 : Patbob_93
• Track 5 : SJReid_98
• Track 6 : Atuin_90
• Track 7 : Spartoi_16

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_90, Bloom_96, DunneganBoMo_86, Mimi_98, Patbob_93, Phrampa_86, Racecar_93, SJReid_98, Talia1610_92,

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

Genes that do not have the "Most Annotated" start:
• Spartoi_16,

Summary by start number:

Start 1:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_90 (FC), Bloom_96 (FC), DunneganBoMo_86 (FC), Mimi_98 (FC), Patbob_93 (FC), Phrampa_86 (FC), Racecar_93 (FC), SJReid_98 (FC), Talia1610_92 (FC),

Start 2:

• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spartoi_16 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, FC,

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_90 Start: 60814, Stop: 61731, Start Num: 1
Candidate Starts for Atuin_90:
(Start: 1 @60814 has 2 MA's), (8, 60988), (23, 61303), (24, 61315), (30, 61384), (40, 61546), (42, 61591), (43, 61597), (44, 61702),

Gene: Bloom_96 Start: 61677, Stop: 62603, Start Num: 1
Candidate Starts for Bloom_96:
(Start: 1 @61677 has 2 MA's), (7, 61839), (12, 61947), (18, 62073), (21, 62127), (28, 62214), (33, 62310), (34, 62322), (39, 62391), (47, 62595),

Gene: DunneganBoMo_86 Start: 57671, Stop: 58597, Start Num: 1
Candidate Starts for DunneganBoMo_86:
(Start: 1 @57671 has 2 MA's), (4, 57800), (10, 57863), (16, 58061), (26, 58187), (28, 58208), (45, 58571),

Gene: Mimi_98 Start: 61024, Stop: 61950, Start Num: 1
Candidate Starts for Mimi_98:
(Start: 1 @61024 has 2 MA's), (7, 61186), (12, 61294), (18, 61420), (21, 61474), (28, 61561), (33, 61657), (34, 61669), (39, 61738), (47, 61942),

Gene: Patbob_93 Start: 61896, Stop: 62822, Start Num: 1
Candidate Starts for Patbob_93:
(Start: 1 @61896 has 2 MA's), (7, 62058), (12, 62166), (18, 62292), (21, 62346), (28, 62433), (33, 62529), (34, 62541), (47, 62814),

Gene: Phrampa_86 Start: 59210, Stop: 60127, Start Num: 1
Candidate Starts for Phrampa_86:
(Start: 1 @59210 has 2 MA's), (14, 59516), (15, 59561), (24, 59711), (25, 59717), (26, 59726), (31, 59825), (32, 59831), (37, 59906), (41, 59963),

Gene: Racecar_93 Start: 61677, Stop: 62603, Start Num: 1
Candidate Starts for Racecar_93:
(Start: 1 @61677 has 2 MA's), (7, 61839), (12, 61947), (18, 62073), (21, 62127), (28, 62214), (33, 62310), (34, 62322), (39, 62391), (47, 62595),

Gene: SJReid_98 Start: 61516, Stop: 62409, Start Num: 1
Candidate Starts for SJReid_98:

(Start: 1 @61516 has 2 MA's), (6, 61666), (13, 61798), (16, 61885), (27, 62023), (35, 62146), (40, 62227), (42, 62272), (43, 62278), (44, 62380),

Gene: Spartoi_16 Start: 12868, Stop: 13737, Start Num: 2
Candidate Starts for Spartoi_16:
(Start: 2 @12868 has 1 MA's), (3, 12907), (5, 12985), (7, 13015), (9, 13030), (11, 13072), (17, 13219), (19, 13237), (20, 13249), (22, 13288), (29, 13354), (33, 13441), (36, 13498), (38, 13510), (46, 13717),

Gene: Talia1610_92 Start: 61042, Stop: 61968, Start Num: 1
Candidate Starts for Talia1610_92:
(Start: 1 @61042 has 2 MA's), (7, 61204), (12, 61312), (18, 61438), (21, 61492), (28, 61579), (33, 61675), (34, 61687), (39, 61756), (47, 61960),