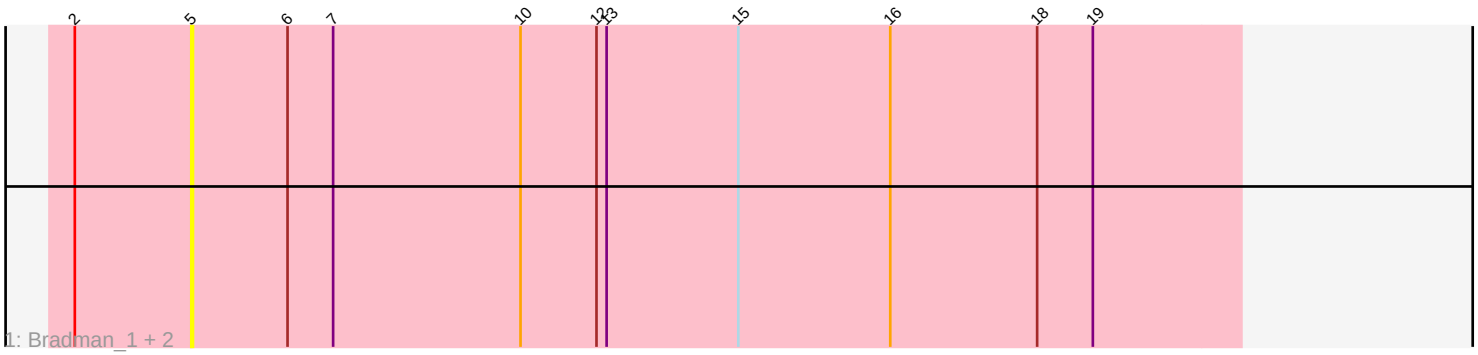
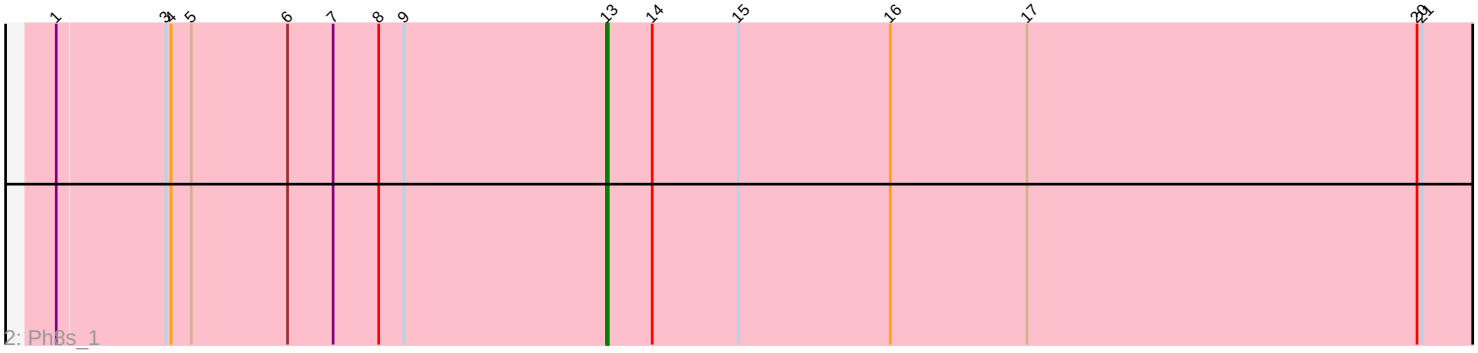
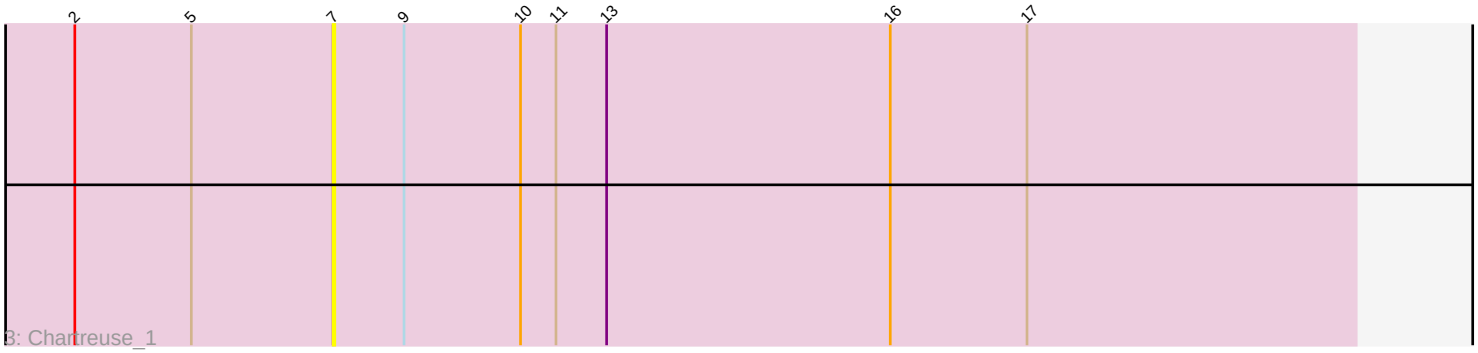
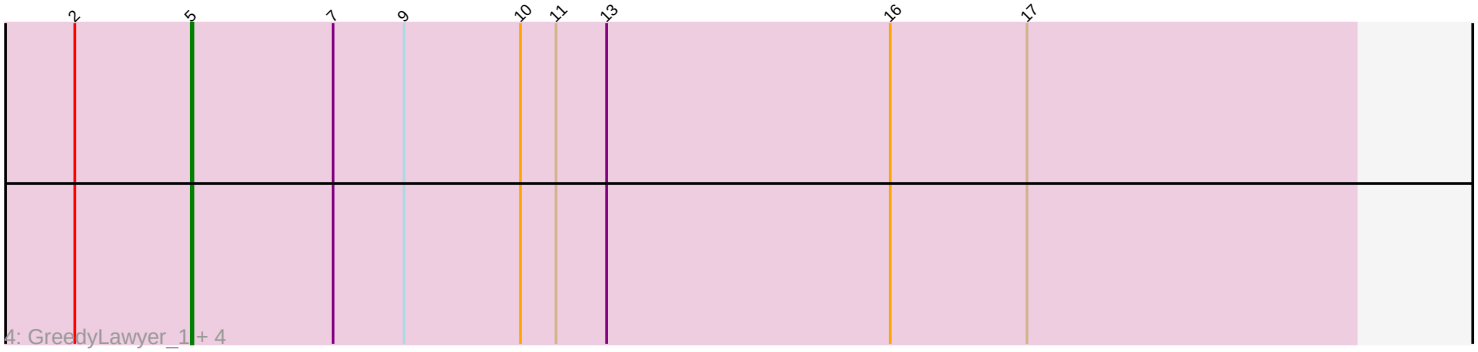
Pham 197046


2
5
6
7
10
12
13
15
16
18
19
1: Bradman_1 + 2


1
3
4
5
6
7
8
9
13
14
15
16
17
20
21
2: Phi3s_1


2
5
7
9
10
11
13
16
17
3: Chartreuse_1


2
5
7
9
10
11
13
16
17
4: GreedyLawyer_1 + 4

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 197046 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197046 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Bradman_1, MajorMajor_1, Quokka_1
• Track 2 : Ph8s_1
• Track 3 : Chartreuse_1
• Track 4 : GreedyLawyer_1, Garak_1, Candra_1, Helmet_1, Priamo_1

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bradman_1, Candra_1, Garak_1, GreedyLawyer_1, Helmet_1, MajorMajor_1, Priamo_1, Quokka_1,

Genes that have the "Most Annotated" start but do not call it:
• Chartreuse_1, Ph8s_1,

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

Summary by start number:

Start 5:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Bradman_1 (A2), Candra_1 (A6), Garak_1 (A6), GreedyLawyer_1 (A6), Helmet_1 (A6), MajorMajor_1 (A2), Priamo_1 (A6), Quokka_1 (A2),

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present

• Phage (with cluster) where this start called: Chartreuse_1 (A6),

Start 13:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Ph8s_1 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A6,

Info for manual annotations of cluster A2:
•Start number 13 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A6:
•Start number 5 was manually annotated 2 times for cluster A6.

Gene Information:

Gene: Bradman_1 Start: 472, Stop: 1092, Start Num: 5
Candidate Starts for Bradman_1:
(2, 403), (Start: 5 @472 has 2 MA's), (6, 529), (7, 556), (10, 667), (12, 712), (Start: 13 @718 has 1 MA's), (15, 796), (16, 886), (18, 973), (19, 1006),

Gene: Candra_1 Start: 520, Stop: 1209, Start Num: 5
Candidate Starts for Candra_1:
(2, 451), (Start: 5 @520 has 2 MA's), (7, 604), (9, 646), (10, 715), (11, 736), (Start: 13 @766 has 1 MA's), (16, 934), (17, 1015),

Gene: Chartreuse_1 Start: 572, Stop: 1177, Start Num: 7
Candidate Starts for Chartreuse_1:
(2, 419), (Start: 5 @488 has 2 MA's), (7, 572), (9, 614), (10, 683), (11, 704), (Start: 13 @734 has 1 MA's), (16, 902), (17, 983),

Gene: Garak_1 Start: 487, Stop: 1176, Start Num: 5
Candidate Starts for Garak_1:
(2, 418), (Start: 5 @487 has 2 MA's), (7, 571), (9, 613), (10, 682), (11, 703), (Start: 13 @733 has 1 MA's), (16, 901), (17, 982),

Gene: GreedyLawyer_1 Start: 487, Stop: 1176, Start Num: 5
Candidate Starts for GreedyLawyer_1:
(2, 418), (Start: 5 @487 has 2 MA's), (7, 571), (9, 613), (10, 682), (11, 703), (Start: 13 @733 has 1 MA's), (16, 901), (17, 982),

Gene: Helmet_1 Start: 487, Stop: 1176, Start Num: 5
Candidate Starts for Helmet_1:
(2, 418), (Start: 5 @487 has 2 MA's), (7, 571), (9, 613), (10, 682), (11, 703), (Start: 13 @733 has 1 MA's), (16, 901), (17, 982),

Gene: MajorMajor_1 Start: 472, Stop: 1092, Start Num: 5

Candidate Starts for MajorMajor_1:
(2, 403), (Start: 5 @472 has 2 MA's), (6, 529), (7, 556), (10, 667), (12, 712), (Start: 13 @718 has 1 MA's), (15, 796), (16, 886), (18, 973), (19, 1006),

Gene: Ph8s_1 Start: 705, Stop: 1229, Start Num: 13
Candidate Starts for Ph8s_1:
(1, 381), (3, 444), (4, 447), (Start: 5 @459 has 2 MA's), (6, 516), (7, 543), (8, 570), (9, 585), (Start: 13 @705 has 1 MA's), (14, 732), (15, 783), (16, 873), (17, 954), (20, 1185), (21, 1188),

Gene: Priamo_1 Start: 502, Stop: 1191, Start Num: 5
Candidate Starts for Priamo_1:
(2, 433), (Start: 5 @502 has 2 MA's), (7, 586), (9, 628), (10, 697), (11, 718), (Start: 13 @748 has 1 MA's), (16, 916), (17, 997),

Gene: Quokka_1 Start: 472, Stop: 1092, Start Num: 5
Candidate Starts for Quokka_1:
(2, 403), (Start: 5 @472 has 2 MA's), (6, 529), (7, 556), (10, 667), (12, 712), (Start: 13 @718 has 1 MA's), (15, 796), (16, 886), (18, 973), (19, 1006),