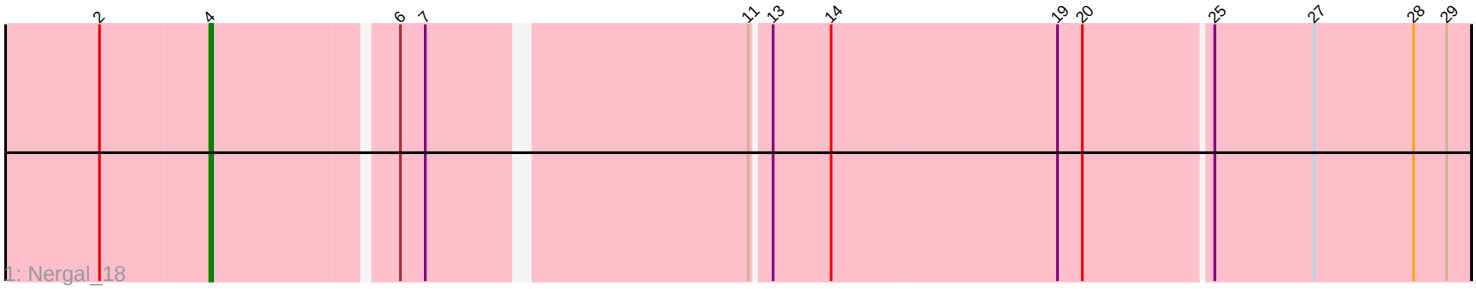
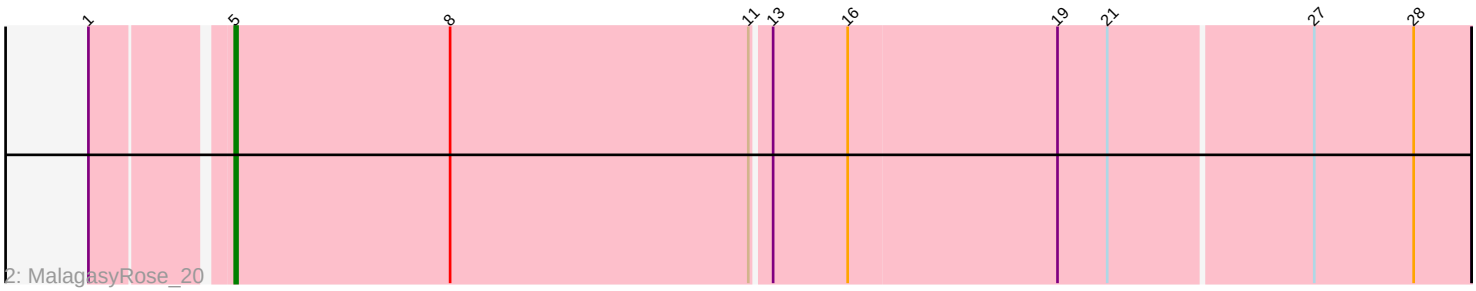
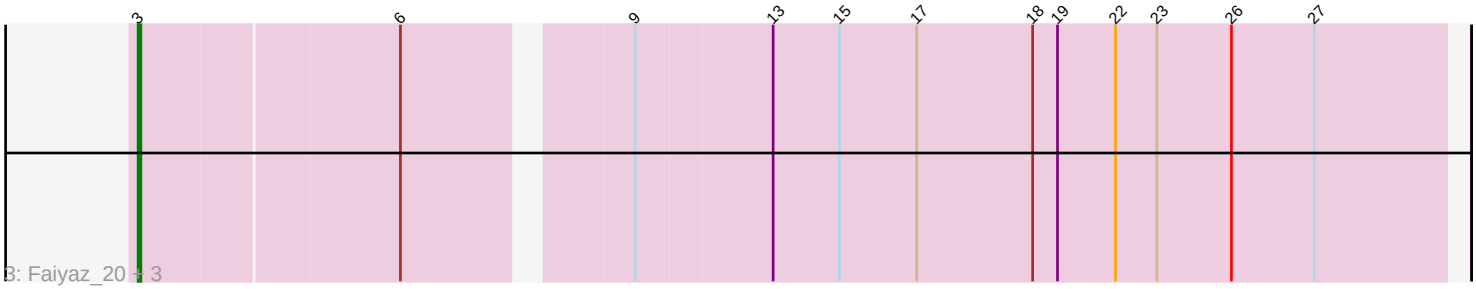
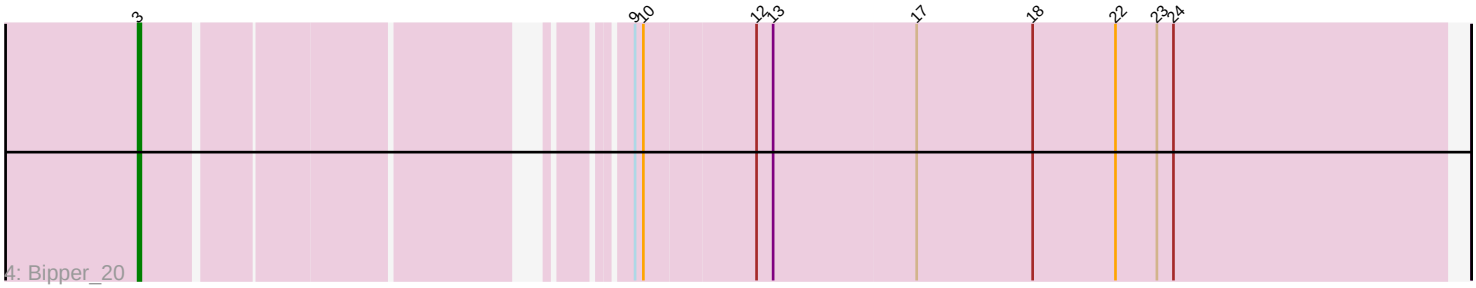
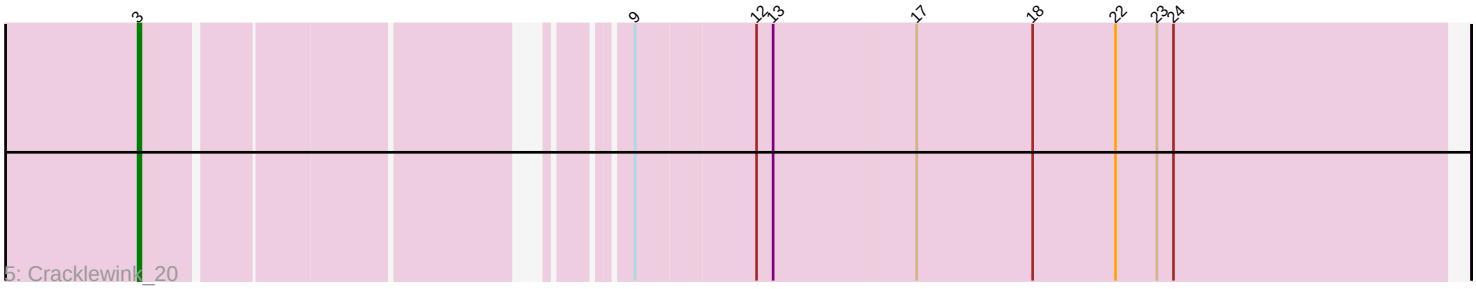
Pham 348336


2
4
6
7
11
13
14
19
20
25
27
28
29
1: Nergal_18


1
5
8
11
13
16
19
21
27
28
2: MalagasyRose_20


3
6
9
13
15
17
18
19
22
23
26
27
3: Faiyaz_20_3


3
9
10
12
13
17
18
22
23
24
4: Bipper_20


3
9
12
13
17
18
22
23
24
5: Cracklewink_20

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 348336 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348336 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nergal_18
• Track 2 : MalagasyRose_20
• Track 3 : Faiyaz_20, AuntGwenStacy_20, Typha_20, Hilltopfarm_20
• Track 4 : Bipper_20
• Track 5 : Cracklewink_20

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AuntGwenStacy_20, Bipper_20, Cracklewink_20, Faiyaz_20, Hilltopfarm_20, Typha_20,

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

Genes that do not have the "Most Annotated" start:
• MalagasyRose_20, Nergal_18,

Summary by start number:

Start 3:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_20 (Y), Bipper_20 (Y), Cracklewink_20 (Y), Faiyaz_20 (Y), Hilltopfarm_20 (Y), Typha_20 (Y),

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Nergal_18 (AG),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_20 (AG),

Summary by clusters:

There are 2 clusters represented in this pham: Y, AG,

Info for manual annotations of cluster AG:
•Start number 4 was manually annotated 1 time for cluster AG.
•Start number 5 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster Y:
•Start number 3 was manually annotated 6 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_20 Start: 13145, Stop: 13597, Start Num: 3
Candidate Starts for AuntGwenStacy_20:
(Start: 3 @13145 has 6 MA's), (6, 13235), (9, 13307), (13, 13355), (15, 13379), (17, 13406), (18, 13448), (19, 13457), (22, 13478), (23, 13493), (26, 13520), (27, 13550),

Gene: Bipper_20 Start: 13191, Stop: 13628, Start Num: 3
Candidate Starts for Bipper_20:
(Start: 3 @13191 has 6 MA's), (9, 13338), (10, 13341), (12, 13380), (13, 13386), (17, 13437), (18, 13479), (22, 13509), (23, 13524), (24, 13530),

Gene: Cracklewink_20 Start: 13191, Stop: 13628, Start Num: 3
Candidate Starts for Cracklewink_20:
(Start: 3 @13191 has 6 MA's), (9, 13338), (12, 13380), (13, 13386), (17, 13437), (18, 13479), (22, 13509), (23, 13524), (24, 13530),

Gene: Faiyaz_20 Start: 13145, Stop: 13597, Start Num: 3
Candidate Starts for Faiyaz_20:
(Start: 3 @13145 has 6 MA's), (6, 13235), (9, 13307), (13, 13355), (15, 13379), (17, 13406), (18, 13448), (19, 13457), (22, 13478), (23, 13493), (26, 13520), (27, 13550),

Gene: Hilltopfarm_20 Start: 13175, Stop: 13627, Start Num: 3
Candidate Starts for Hilltopfarm_20:
(Start: 3 @13175 has 6 MA's), (6, 13265), (9, 13337), (13, 13385), (15, 13409), (17, 13436), (18, 13478), (19, 13487), (22, 13508), (23, 13523), (26, 13550), (27, 13580),

Gene: MalagasyRose_20 Start: 11606, Stop: 12046, Start Num: 5
Candidate Starts for MalagasyRose_20:
(1, 11561), (Start: 5 @11606 has 1 MA's), (8, 11684), (11, 11792), (13, 11798), (16, 11825), (19, 11900), (21, 11918), (27, 11990), (28, 12026),

Gene: Nergal_18 Start: 12091, Stop: 12525, Start Num: 4
Candidate Starts for Nergal_18:
(2, 12052), (Start: 4 @12091 has 1 MA's), (6, 12154), (7, 12163), (11, 12271), (13, 12277), (14, 12298), (19, 12379), (20, 12388), (25, 12433), (27, 12469), (28, 12505), (29, 12517),

Gene: Typha_20 Start: 13145, Stop: 13597, Start Num: 3
Candidate Starts for Typha_20:
(Start: 3 @13145 has 6 MA's), (6, 13235), (9, 13307), (13, 13355), (15, 13379), (17, 13406), (18, 13448), (19, 13457), (22, 13478), (23, 13493), (26, 13520), (27, 13550),