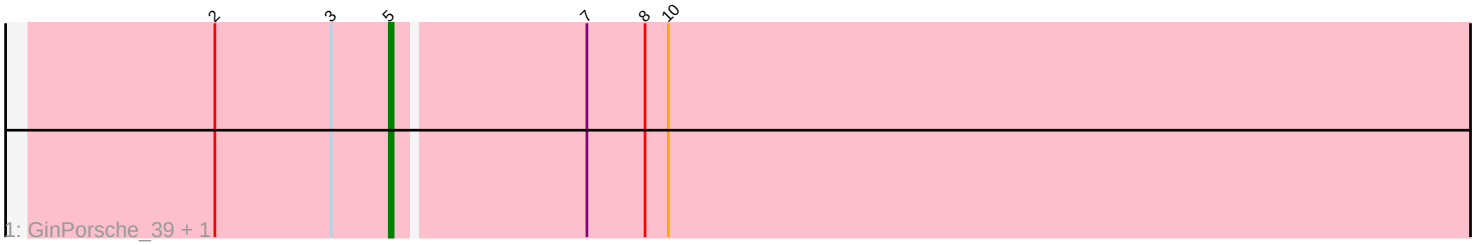
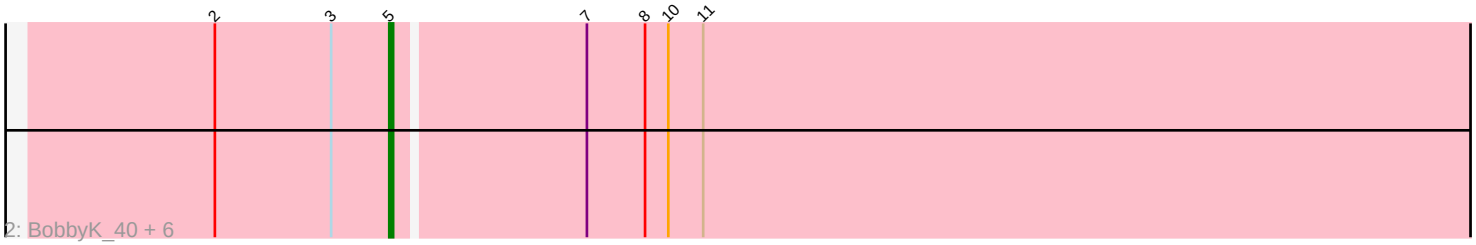
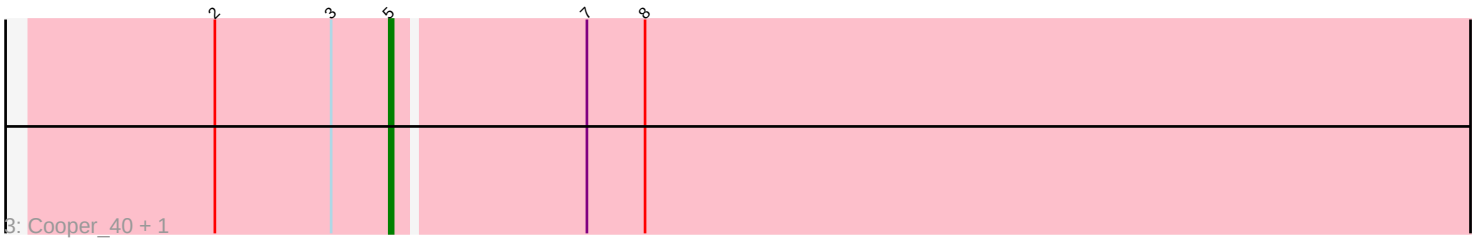
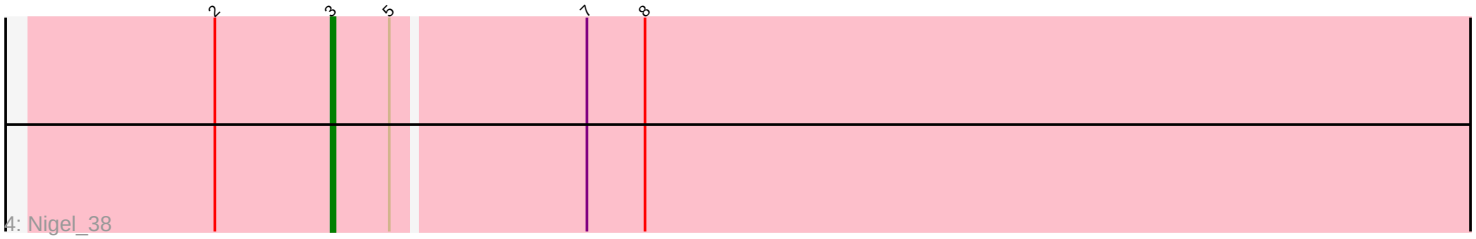
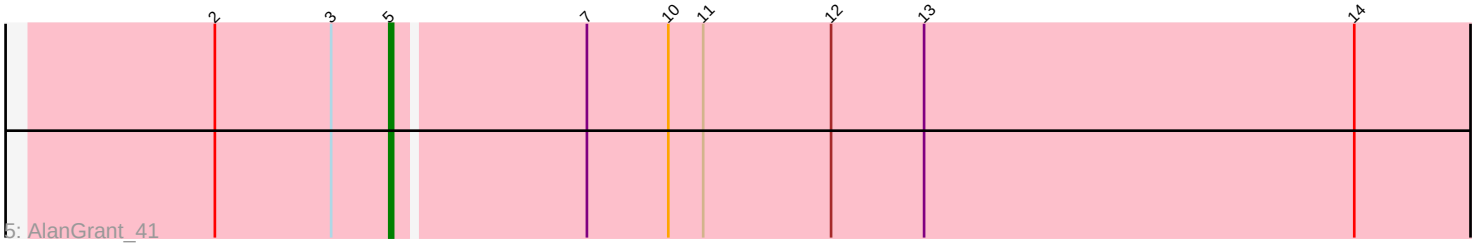
Pham 346281

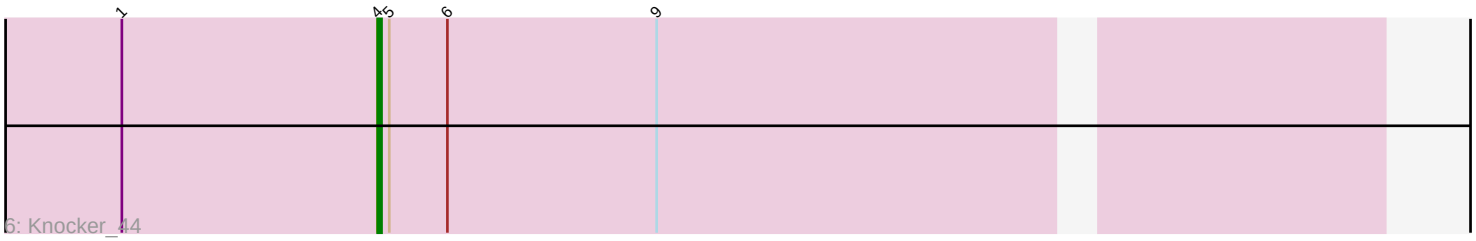

2
3
5
7
8
10
1: GinPorsche_39 + 1


2
3
5
7
8
10
11
2: BobbyK_40 + 6


2
3
5
7
8
3: Cooper_40 + 1


2
3
5
7
8
4: Nigel_38


2
3
5
7
10
11
12
13
14
5: AlanGrant_41


1
4
5
6
9
6: Knocker_44

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 346281 Report

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

Pham number 346281 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GinPorsche_39, ChrisnMich_39
• Track 2 : BobbyK_40, Frederick_40, RawrgerThat_40, Fortunato_40, Apex_40, VioletZ_40, BrownCNA_41
• Track 3 : Cooper_40, Stinger_38
• Track 4 : Nigel_38
• Track 5 : AlanGrant_41
• Track 6 : Knocker_44

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 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlanGrant_41, Apex_40, BobbyK_40, BrownCNA_41, ChrisnMich_39, Cooper_40, Fortunato_40, Frederick_40, GinPorsche_39, RawrgerThat_40, Stinger_38, VioletZ_40,

Genes that have the "Most Annotated" start but do not call it:
• Knocker_44, Nigel_38,

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

Summary by start number:

Start 3:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Nigel_38 (B4),

Start 4:
• Found in 1 of 14 (7.1%) of genes in pham

• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_44 (B9),

Start 5:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 14
• Called 85.7% of time when present
• Phage (with cluster) where this start called: AlanGrant_41 (B4), Apex_40 (B4), BobbyK_40 (B4), BrownCNA_41 (B4), ChrisnMich_39 (B4), Cooper_40 (B4), Fortunato_40 (B4), Frederick_40 (B4), GinPorsche_39 (B4), RawrgerThat_40 (B4), Stinger_38 (B4), VioletZ_40 (B4),

Summary by clusters:

There are 2 clusters represented in this pham: B4, B9,

Info for manual annotations of cluster B4:
•Start number 3 was manually annotated 1 time for cluster B4.
•Start number 5 was manually annotated 12 times for cluster B4.

Info for manual annotations of cluster B9:
•Start number 4 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: AlanGrant_41 Start: 39745, Stop: 39470, Start Num: 5
Candidate Starts for AlanGrant_41:
(2, 39790), (Start: 3 @39760 has 1 MA's), (Start: 5 @39745 has 12 MA's), (7, 39697), (10, 39676), (11, 39667), (12, 39634), (13, 39610), (14, 39499),

Gene: Apex_40 Start: 39171, Stop: 38896, Start Num: 5
Candidate Starts for Apex_40:
(2, 39216), (Start: 3 @39186 has 1 MA's), (Start: 5 @39171 has 12 MA's), (7, 39123), (8, 39108), (10, 39102), (11, 39093),

Gene: BobbyK_40 Start: 38996, Stop: 38721, Start Num: 5
Candidate Starts for BobbyK_40:
(2, 39041), (Start: 3 @39011 has 1 MA's), (Start: 5 @38996 has 12 MA's), (7, 38948), (8, 38933), (10, 38927), (11, 38918),

Gene: BrownCNA_41 Start: 39257, Stop: 38982, Start Num: 5
Candidate Starts for BrownCNA_41:
(2, 39302), (Start: 3 @39272 has 1 MA's), (Start: 5 @39257 has 12 MA's), (7, 39209), (8, 39194), (10, 39188), (11, 39179),

Gene: ChrisnMich_39 Start: 37957, Stop: 37682, Start Num: 5
Candidate Starts for ChrisnMich_39:
(2, 38002), (Start: 3 @37972 has 1 MA's), (Start: 5 @37957 has 12 MA's), (7, 37909), (8, 37894), (10, 37888),

Gene: Cooper_40 Start: 38176, Stop: 37892, Start Num: 5
Candidate Starts for Cooper_40:
(2, 38221), (Start: 3 @38191 has 1 MA's), (Start: 5 @38176 has 12 MA's), (7, 38128), (8, 38113),

Gene: Fortunato_40 Start: 38990, Stop: 38715, Start Num: 5
Candidate Starts for Fortunato_40:
(2, 39035), (Start: 3 @39005 has 1 MA's), (Start: 5 @38990 has 12 MA's), (7, 38942), (8, 38927), (10, 38921), (11, 38912),

Gene: Frederick_40 Start: 38996, Stop: 38721, Start Num: 5
Candidate Starts for Frederick_40:
(2, 39041), (Start: 3 @39011 has 1 MA's), (Start: 5 @38996 has 12 MA's), (7, 38948), (8, 38933), (10, 38927), (11, 38918),

Gene: GinPorsche_39 Start: 37965, Stop: 37690, Start Num: 5
Candidate Starts for GinPorsche_39:
(2, 38010), (Start: 3 @37980 has 1 MA's), (Start: 5 @37965 has 12 MA's), (7, 37917), (8, 37902), (10, 37896),

Gene: Knocker_44 Start: 40661, Stop: 40413, Start Num: 4
Candidate Starts for Knocker_44:
(1, 40727), (Start: 4 @40661 has 1 MA's), (Start: 5 @40658 has 12 MA's), (6, 40643), (9, 40589),

Gene: Nigel_38 Start: 37895, Stop: 37605, Start Num: 3
Candidate Starts for Nigel_38:
(2, 37925), (Start: 3 @37895 has 1 MA's), (Start: 5 @37880 has 12 MA's), (7, 37832), (8, 37817),

Gene: RawrgerThat_40 Start: 38993, Stop: 38718, Start Num: 5
Candidate Starts for RawrgerThat_40:
(2, 39038), (Start: 3 @39008 has 1 MA's), (Start: 5 @38993 has 12 MA's), (7, 38945), (8, 38930), (10, 38924), (11, 38915),

Gene: Stinger_38 Start: 37570, Stop: 37295, Start Num: 5
Candidate Starts for Stinger_38:
(2, 37615), (Start: 3 @37585 has 1 MA's), (Start: 5 @37570 has 12 MA's), (7, 37522), (8, 37507),

Gene: VioletZ_40 Start: 39064, Stop: 38789, Start Num: 5
Candidate Starts for VioletZ_40:
(2, 39109), (Start: 3 @39079 has 1 MA's), (Start: 5 @39064 has 12 MA's), (7, 39016), (8, 39001), (10, 38995), (11, 38986),