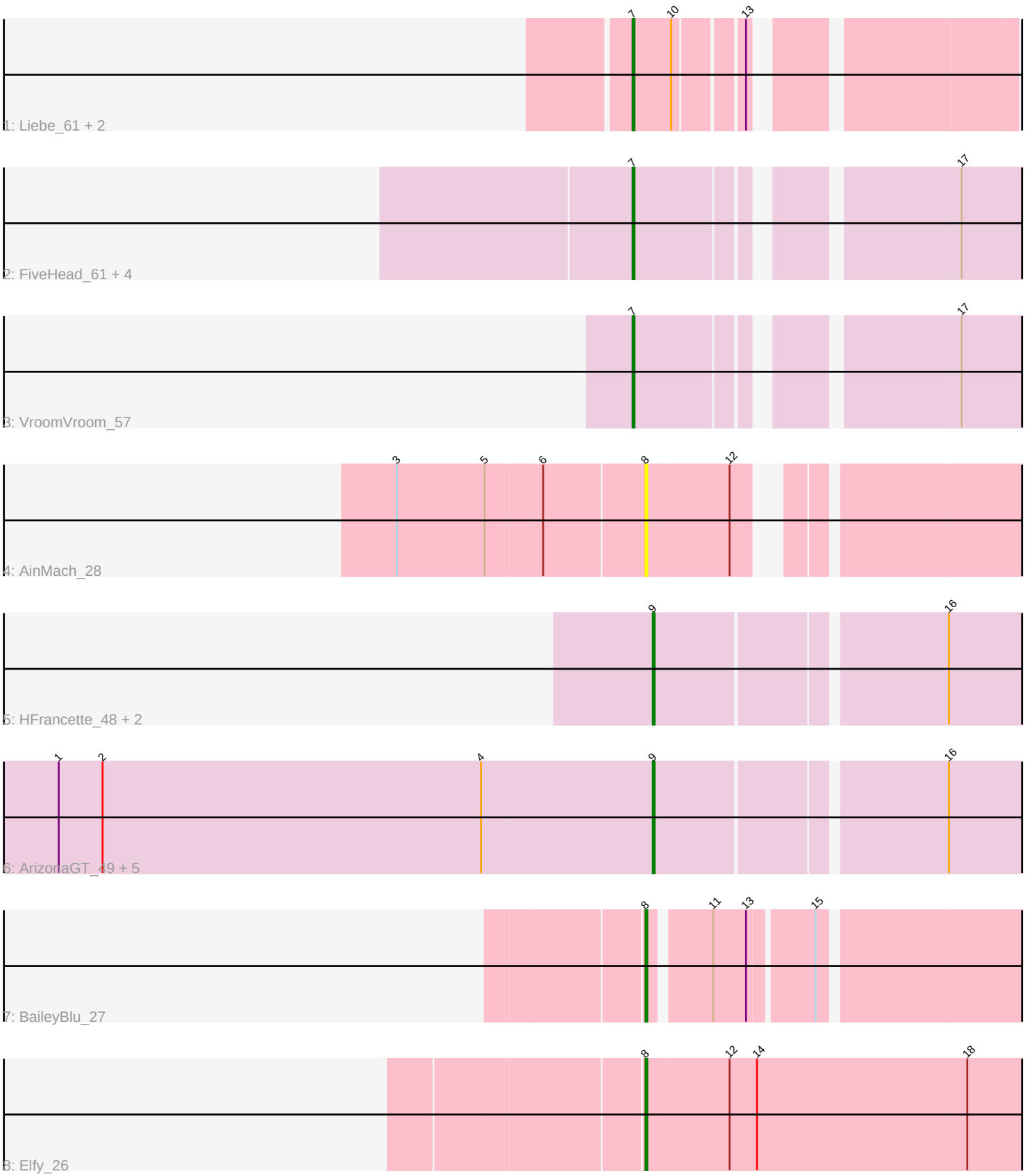
Pham 344382


7
10
13
1: Liebe_61 + 2
7
17
2: FiveHead_61 + 4
7
17
3: VroomVroom_57
3
5
6
8
12
4: AinMach_28
9
16
5: HFrancette_48 + 2
1
2
4
9
16
6: ArizonaGT_49 + 5
8
11
13
15
7: BaileyBlu_27
8
12
14
18
8: Elfy_26

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 344382 Report

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

Pham number 344382 has 21 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Liebe_61, IUFootball_62, Maureen_61
• Track 2 : FiveHead_61, Origami_57, JohnThicc_57, AceofSpades_58, LadyAstra_58
• Track 3 : VroomVroom_57
• Track 4 : AinMach_28
• Track 5 : HFrancette_48, Vondra_47, Ignacio_47
• Track 6 : ArizonaGT_49, Eklok_48, Piccadilly_48, FrumpyGal_49, Cumberbatch_49, Eastland_48
• Track 7 : BaileyBlu_27
• Track 8 : Elfy_26

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 9 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArizonaGT_49, Cumberbatch_49, Eastland_48, Eklok_48, FrumpyGal_49, HFrancette_48, Ignacio_47, Piccadilly_48, Vondra_47,

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

Genes that do not have the "Most Annotated" start:
• AceofSpades_58, AinMach_28, BaileyBlu_27, Elfy_26, FiveHead_61, IUFootball_62, JohnThicc_57, LadyAstra_58, Liebe_61, Maureen_61, Origami_57, VroomVroom_57,

Summary by start number:

Start 7:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 7 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AceofSpades_58 (AZ4), FiveHead_61 (AZ4), IUFootball_62 (AZ2), JohnThicc_57 (AZ4), LadyAstra_58 (AZ4), Liebe_61 (AZ2), Maureen_61 (AZ2), Origami_57 (AZ4), VroomVroom_57 (AZ4),

Start 8:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AinMach_28 (AZ7), BaileyBlu_27 (FP), Elfy_26 (FP),

Start 9:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 9 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArizonaGT_49 (BP), Cumberbatch_49 (BP), Eastland_48 (BP), Eklok_48 (BP), FrumpyGal_49 (BP), HFrancette_48 (BP), Ignacio_47 (BP), Piccadilly_48 (BP), Vondra_47 (BP),

Summary by clusters:

There are 5 clusters represented in this pham: FP, AZ4, AZ2, BP, AZ7,

Info for manual annotations of cluster AZ2:
•Start number 7 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ4:
•Start number 7 was manually annotated 4 times for cluster AZ4.

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

Info for manual annotations of cluster FP:
•Start number 8 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: AceofSpades_58 Start: 39772, Stop: 39984, Start Num: 7
Candidate Starts for AceofSpades_58:
(Start: 7 @39772 has 7 MA's), (17, 39925),

Gene: AinMach_28 Start: 23053, Stop: 23250, Start Num: 8
Candidate Starts for AinMach_28:
(3, 22921), (5, 22969), (6, 22999), (Start: 8 @23053 has 2 MA's), (12, 23098),

Gene: ArizonaGT_49 Start: 32249, Stop: 32467, Start Num: 9
Candidate Starts for ArizonaGT_49:
(1, 31925), (2, 31949), (4, 32156), (Start: 9 @32249 has 9 MA's), (16, 32399),

Gene: BaileyBlu_27 Start: 21867, Stop: 22073, Start Num: 8

Candidate Starts for BaileyBlu_27:
(Start: 8 @21867 has 2 MA's), (11, 21897), (13, 21915), (15, 21948),

Gene: Cumberbatch_49 Start: 32249, Stop: 32467, Start Num: 9
Candidate Starts for Cumberbatch_49:
(1, 31925), (2, 31949), (4, 32156), (Start: 9 @32249 has 9 MA's), (16, 32399),

Gene: Eastland_48 Start: 32209, Stop: 32427, Start Num: 9
Candidate Starts for Eastland_48:
(1, 31885), (2, 31909), (4, 32116), (Start: 9 @32209 has 9 MA's), (16, 32359),

Gene: Eklok_48 Start: 32008, Stop: 32226, Start Num: 9
Candidate Starts for Eklok_48:
(1, 31684), (2, 31708), (4, 31915), (Start: 9 @32008 has 9 MA's), (16, 32158),

Gene: Elfy_26 Start: 21645, Stop: 21869, Start Num: 8
Candidate Starts for Elfy_26:
(Start: 8 @21645 has 2 MA's), (12, 21690), (14, 21705), (18, 21819),

Gene: FiveHead_61 Start: 39410, Stop: 39622, Start Num: 7
Candidate Starts for FiveHead_61:
(Start: 7 @39410 has 7 MA's), (17, 39563),

Gene: FrumpyGal_49 Start: 32209, Stop: 32427, Start Num: 9
Candidate Starts for FrumpyGal_49:
(1, 31885), (2, 31909), (4, 32116), (Start: 9 @32209 has 9 MA's), (16, 32359),

Gene: HFrancette_48 Start: 32550, Stop: 32768, Start Num: 9
Candidate Starts for HFrancette_48:
(Start: 9 @32550 has 9 MA's), (16, 32700),

Gene: IUFootball_62 Start: 42044, Stop: 42256, Start Num: 7
Candidate Starts for IUFootball_62:
(Start: 7 @42044 has 7 MA's), (10, 42065), (13, 42098),

Gene: Ignacio_47 Start: 32453, Stop: 32671, Start Num: 9
Candidate Starts for Ignacio_47:
(Start: 9 @32453 has 9 MA's), (16, 32603),

Gene: JohnThicc_57 Start: 39410, Stop: 39622, Start Num: 7
Candidate Starts for JohnThicc_57:
(Start: 7 @39410 has 7 MA's), (17, 39563),

Gene: LadyAstra_58 Start: 39510, Stop: 39722, Start Num: 7
Candidate Starts for LadyAstra_58:
(Start: 7 @39510 has 7 MA's), (17, 39663),

Gene: Liebe_61 Start: 42044, Stop: 42256, Start Num: 7
Candidate Starts for Liebe_61:
(Start: 7 @42044 has 7 MA's), (10, 42065), (13, 42098),

Gene: Maureen_61 Start: 42043, Stop: 42255, Start Num: 7
Candidate Starts for Maureen_61:

(Start: 7 @42043 has 7 MA's), (10, 42064), (13, 42097),

Gene: Origami_57 Start: 39302, Stop: 39514, Start Num: 7
Candidate Starts for Origami_57:
(Start: 7 @39302 has 7 MA's), (17, 39455),

Gene: Piccadilly_48 Start: 32208, Stop: 32426, Start Num: 9
Candidate Starts for Piccadilly_48:
(1, 31884), (2, 31908), (4, 32115), (Start: 9 @32208 has 9 MA's), (16, 32358),

Gene: Vondra_47 Start: 31794, Stop: 32012, Start Num: 9
Candidate Starts for Vondra_47:
(Start: 9 @31794 has 9 MA's), (16, 31944),

Gene: VroomVroom_57 Start: 39455, Stop: 39667, Start Num: 7
Candidate Starts for VroomVroom_57:
(Start: 7 @39455 has 7 MA's), (17, 39608),