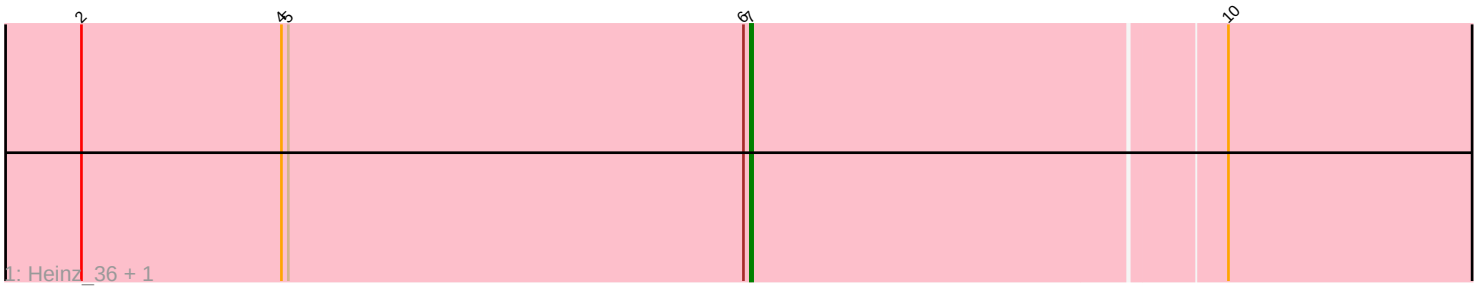
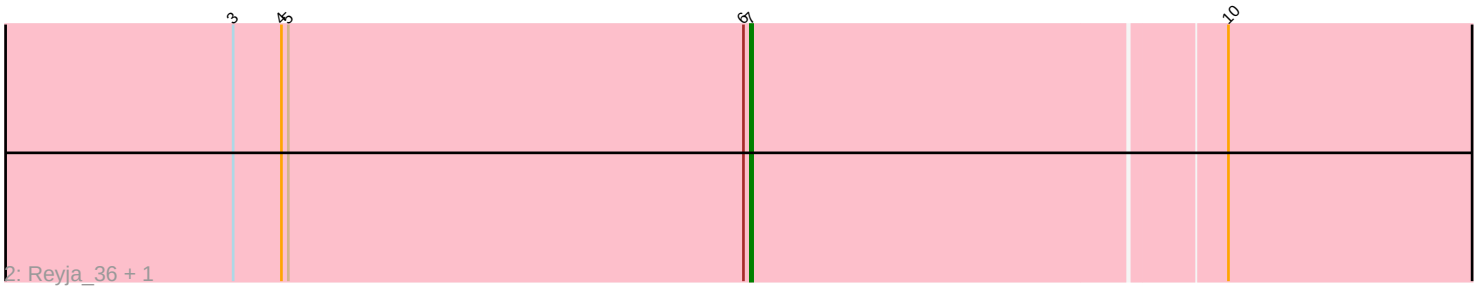
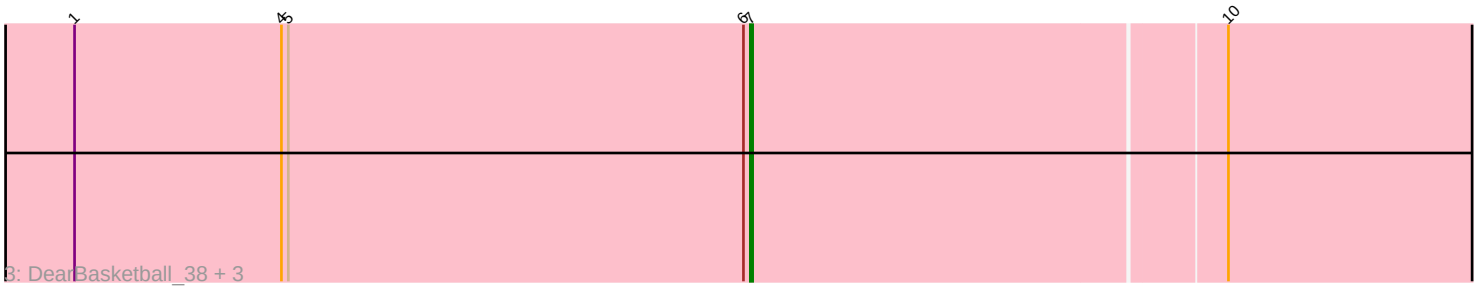
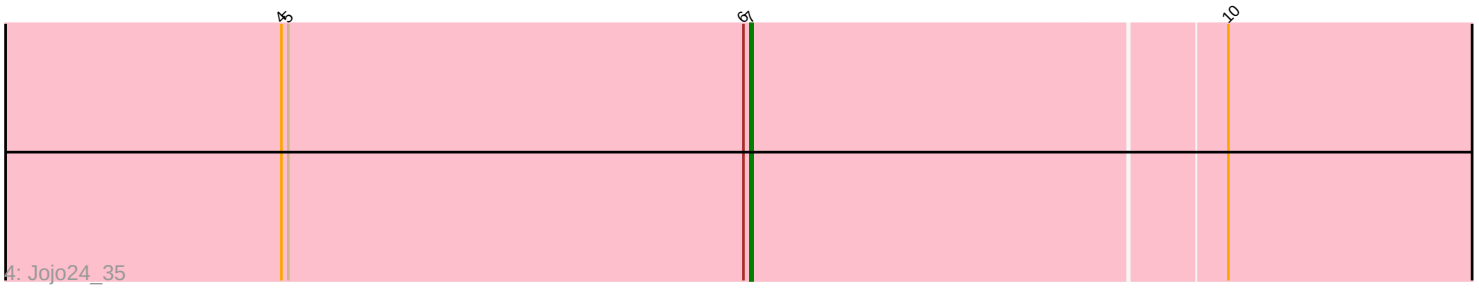
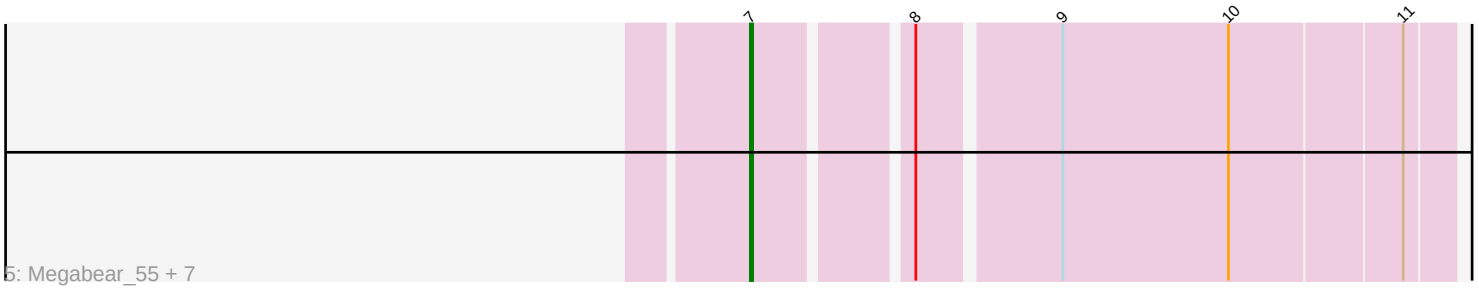
Pham 348113


2
4
6
10
1: Heinz_36 + 1


3
4
6
10
2: Reyja_36 + 1


1
4
6
10
3: DearBasketball_38 + 3


4
6
10
4: Jojo24_35


7
8
9
10
11
5: Megabear_55 + 7

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 348113 Report

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

Pham number 348113 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Heinz_36, Hibiscus_37
• Track 2 : Reyja_36, DinoNuggs_36
• Track 3 : DearBasketball_38, Santhid_35, DonkeyMan_36, Tarzan_36
• Track 4 : Jojo24_35
• Track 5 : Megabear_55, Cepens_55, GodPhather_56, Taptic_55, PR_55, Jeon_55, D12_54, Argie_56

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

The start number called the most often in the published annotations is 7, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Argie_56, Cepens_55, D12_54, DearBasketball_38, DinoNuggs_36, DonkeyMan_36, GodPhather_56, Heinz_36, Hibiscus_37, Jeon_55, Jojo24_35, Megabear_55, PR_55, Reyja_36, Santhid_35, Taptic_55, Tarzan_36,

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

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

Summary by start number:

Start 7:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argie_56 (W), Cepens_55 (W), D12_54 (W), DearBasketball_38 (DY), DinoNuggs_36 (DY), DonkeyMan_36 (DY), GodPhather_56 (W), Heinz_36 (DY), Hibiscus_37 (DY), Jeon_55 (W), Jojo24_35 (DY), Megabear_55 (W), PR_55 (W), Reyja_36 (DY), Santhid_35 (DY), Taptic_55 (W), Tarzan_36 (DY),

Summary by clusters:

There are 2 clusters represented in this pham: W, DY,

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

Info for manual annotations of cluster W:
•Start number 7 was manually annotated 8 times for cluster W.

Gene Information:

Gene: Argie_56 Start: 45292, Stop: 45573, Start Num: 7
Candidate Starts for Argie_56:
(Start: 7 @45292 has 15 MA's), (8, 45352), (9, 45409), (10, 45481), (11, 45553),

Gene: Cepens_55 Start: 45007, Stop: 45288, Start Num: 7
Candidate Starts for Cepens_55:
(Start: 7 @45007 has 15 MA's), (8, 45067), (9, 45124), (10, 45196), (11, 45268),

Gene: D12_54 Start: 45555, Stop: 45836, Start Num: 7
Candidate Starts for D12_54:
(Start: 7 @45555 has 15 MA's), (8, 45615), (9, 45672), (10, 45744), (11, 45816),

Gene: DearBasketball_38 Start: 27520, Stop: 27864, Start Num: 7
Candidate Starts for DearBasketball_38:
(1, 27226), (4, 27316), (5, 27319), (6, 27517), (Start: 7 @27520 has 15 MA's), (10, 27721),

Gene: DinoNuggs_36 Start: 27189, Stop: 27533, Start Num: 7
Candidate Starts for DinoNuggs_36:
(3, 26964), (4, 26985), (5, 26988), (6, 27186), (Start: 7 @27189 has 15 MA's), (10, 27390),

Gene: DonkeyMan_36 Start: 28240, Stop: 28584, Start Num: 7
Candidate Starts for DonkeyMan_36:
(1, 27946), (4, 28036), (5, 28039), (6, 28237), (Start: 7 @28240 has 15 MA's), (10, 28441),

Gene: GodPhather_56 Start: 45795, Stop: 46076, Start Num: 7
Candidate Starts for GodPhather_56:
(Start: 7 @45795 has 15 MA's), (8, 45855), (9, 45912), (10, 45984), (11, 46056),

Gene: Heinz_36 Start: 26163, Stop: 26507, Start Num: 7
Candidate Starts for Heinz_36:
(2, 25872), (4, 25959), (5, 25962), (6, 26160), (Start: 7 @26163 has 15 MA's), (10, 26364),

Gene: Hibiscus_37 Start: 26112, Stop: 26456, Start Num: 7
Candidate Starts for Hibiscus_37:
(2, 25821), (4, 25908), (5, 25911), (6, 26109), (Start: 7 @26112 has 15 MA's), (10, 26313),

Gene: Jeon_55 Start: 45537, Stop: 45818, Start Num: 7
Candidate Starts for Jeon_55:

(Start: 7 @45537 has 15 MA's), (8, 45597), (9, 45654), (10, 45726), (11, 45798),

Gene: Jojo24_35 Start: 26833, Stop: 27177, Start Num: 7
Candidate Starts for Jojo24_35:
(4, 26629), (5, 26632), (6, 26830), (Start: 7 @26833 has 15 MA's), (10, 27034),

Gene: Megabear_55 Start: 44928, Stop: 45209, Start Num: 7
Candidate Starts for Megabear_55:
(Start: 7 @44928 has 15 MA's), (8, 44988), (9, 45045), (10, 45117), (11, 45189),

Gene: PR_55 Start: 45532, Stop: 45813, Start Num: 7
Candidate Starts for PR_55:
(Start: 7 @45532 has 15 MA's), (8, 45592), (9, 45649), (10, 45721), (11, 45793),

Gene: Reyja_36 Start: 27189, Stop: 27533, Start Num: 7
Candidate Starts for Reyja_36:
(3, 26964), (4, 26985), (5, 26988), (6, 27186), (Start: 7 @27189 has 15 MA's), (10, 27390),

Gene: Santhid_35 Start: 25552, Stop: 25896, Start Num: 7
Candidate Starts for Santhid_35:
(1, 25258), (4, 25348), (5, 25351), (6, 25549), (Start: 7 @25552 has 15 MA's), (10, 25753),

Gene: Taptic_55 Start: 44928, Stop: 45209, Start Num: 7
Candidate Starts for Taptic_55:
(Start: 7 @44928 has 15 MA's), (8, 44988), (9, 45045), (10, 45117), (11, 45189),

Gene: Tarzan_36 Start: 26722, Stop: 27066, Start Num: 7
Candidate Starts for Tarzan_36:
(1, 26428), (4, 26518), (5, 26521), (6, 26719), (Start: 7 @26722 has 15 MA's), (10, 26923),