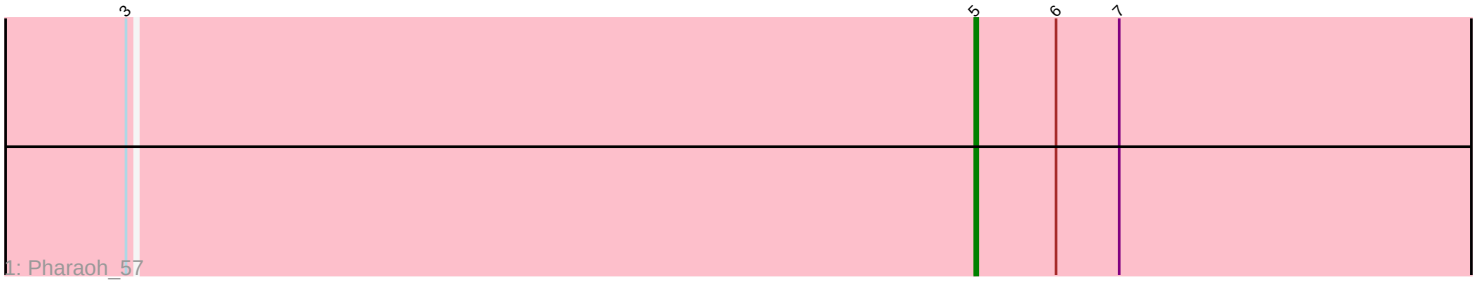
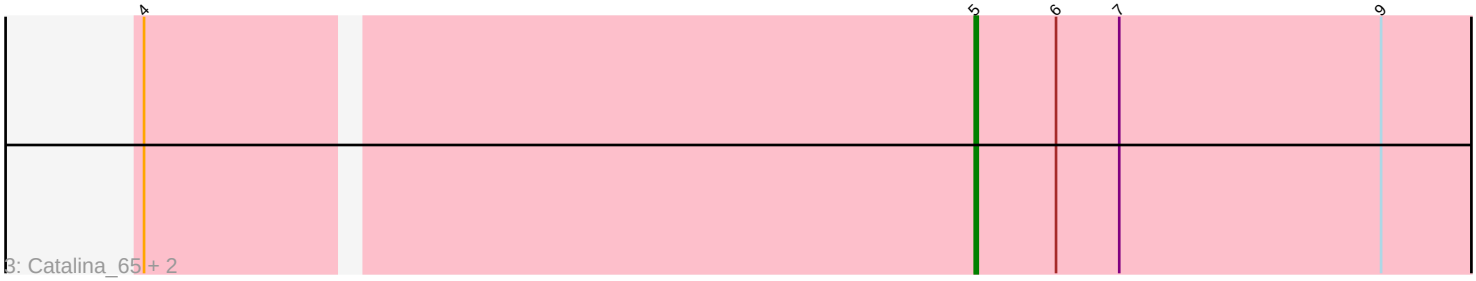
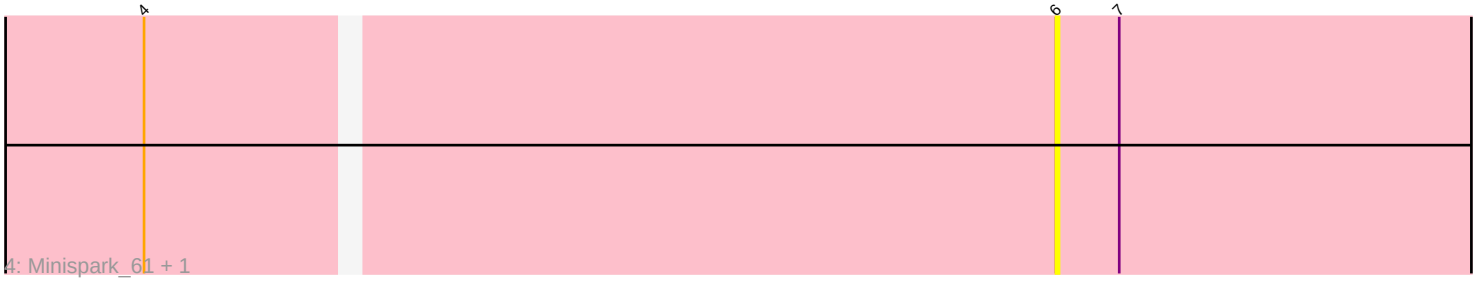
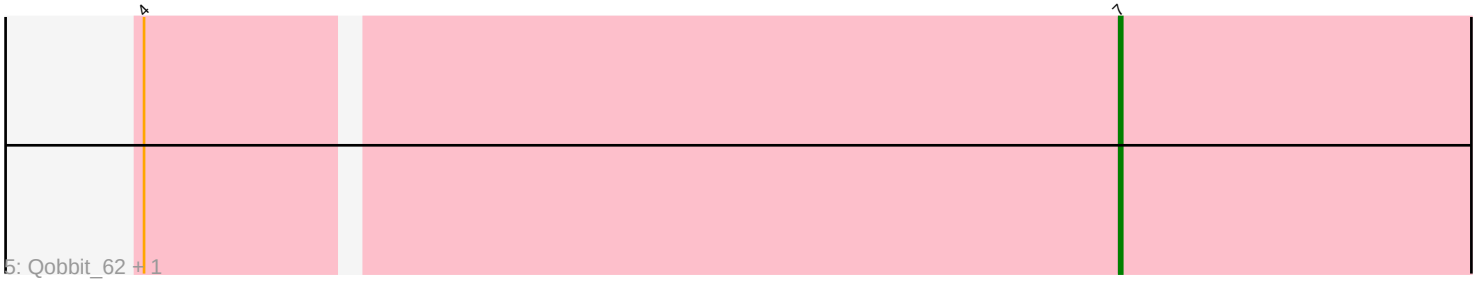
Pham 346435


3
5
6
7
1: Pharaoh_57


1
2
7
8
2: SwirlSquare_66


4
5
6
7
9
3: Catalina_65 + 2


4
6
7
4: Minispark_61 + 1


4
7
5: Qobbit_62 + 1

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 346435 Report

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

Pham number 346435 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Pharaoh_57
• Track 2 : SwirlSquare_66
• Track 3 : Catalina_65, Pioneer_64, PackMan_62
• Track 4 : Minispark_61, CogOmlette_61
• Track 5 : Qobbit_62, ExplosioNervosa_62

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catalina_65, PackMan_62, Pharaoh_57, Pioneer_64,

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

Genes that do not have the "Most Annotated" start:
• CogOmlette_61, ExplosioNervosa_62, Minispark_61, Qobbit_62, SwirlSquare_66,

Summary by start number:

Start 5:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catalina_65 (A9), PackMan_62 (A9), Pharaoh_57 (A12), Pioneer_64 (A9),

Start 6:
• Found in 6 of 9 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: CogOmlette_61 (A9), Minispark_61 (A9),

Start 7:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 33.3% of time when present
• Phage (with cluster) where this start called: ExplosioNervosa_62 (A9), Qobbit_62 (A9), SwirlSquare_66 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A9, A2, A12,

Info for manual annotations of cluster A12:
•Start number 5 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A2:
•Start number 7 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:
•Start number 5 was manually annotated 3 times for cluster A9.
•Start number 7 was manually annotated 2 times for cluster A9.

Gene Information:

Gene: Catalina_65 Start: 39771, Stop: 39574, Start Num: 5
Candidate Starts for Catalina_65:
(4, 40038), (Start: 5 @39771 has 4 MA's), (6, 39744), (Start: 7 @39723 has 3 MA's), (9, 39636),

Gene: CogOmlette_61 Start: 39361, Stop: 39191, Start Num: 6
Candidate Starts for CogOmlette_61:
(4, 39655), (6, 39361), (Start: 7 @39340 has 3 MA's),

Gene: ExplosioNervosa_62 Start: 39511, Stop: 39362, Start Num: 7
Candidate Starts for ExplosioNervosa_62:
(4, 39826), (Start: 7 @39511 has 3 MA's),

Gene: Minispark_61 Start: 39358, Stop: 39188, Start Num: 6
Candidate Starts for Minispark_61:
(4, 39652), (6, 39358), (Start: 7 @39337 has 3 MA's),

Gene: PackMan_62 Start: 39645, Stop: 39448, Start Num: 5
Candidate Starts for PackMan_62:
(4, 39912), (Start: 5 @39645 has 4 MA's), (6, 39618), (Start: 7 @39597 has 3 MA's), (9, 39510),

Gene: Pharaoh_57 Start: 39486, Stop: 39289, Start Num: 5
Candidate Starts for Pharaoh_57:
(3, 39765), (Start: 5 @39486 has 4 MA's), (6, 39459), (Start: 7 @39438 has 3 MA's),

Gene: Pioneer_64 Start: 39867, Stop: 39670, Start Num: 5
Candidate Starts for Pioneer_64:
(4, 40134), (Start: 5 @39867 has 4 MA's), (6, 39840), (Start: 7 @39819 has 3 MA's), (9, 39732),

Gene: Qobbit_62 Start: 39408, Stop: 39259, Start Num: 7
Candidate Starts for Qobbit_62:
(4, 39723), (Start: 7 @39408 has 3 MA's),

Gene: SwirlSquare_66 Start: 39171, Stop: 39025, Start Num: 7
Candidate Starts for SwirlSquare_66:
(1, 39510), (2, 39504), (Start: 7 @39171 has 3 MA's), (8, 39102),