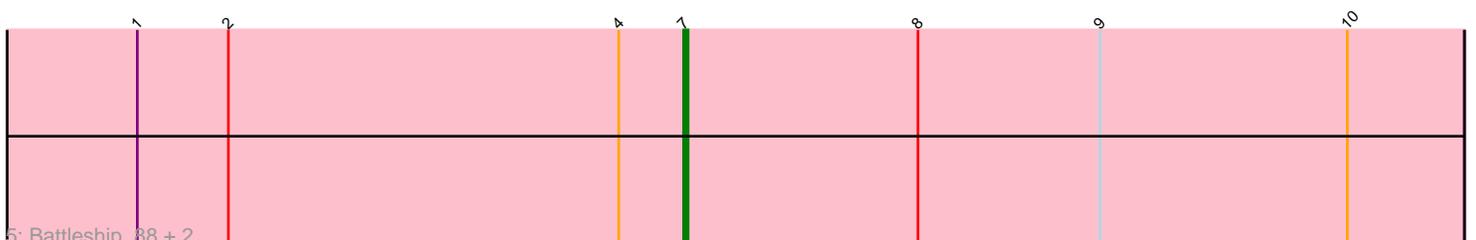
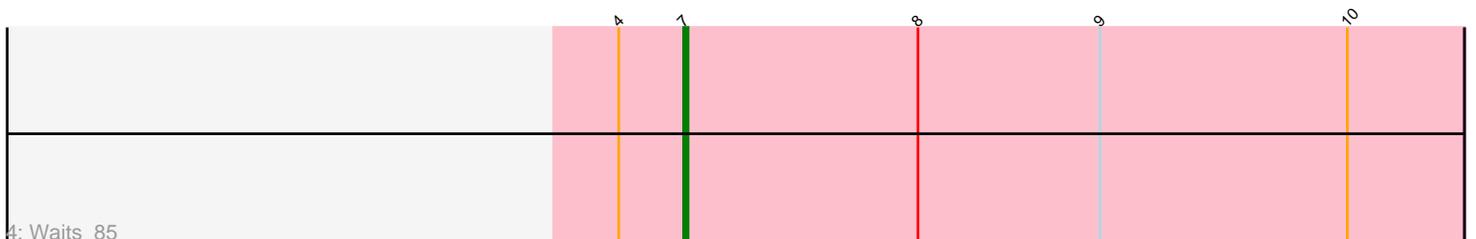
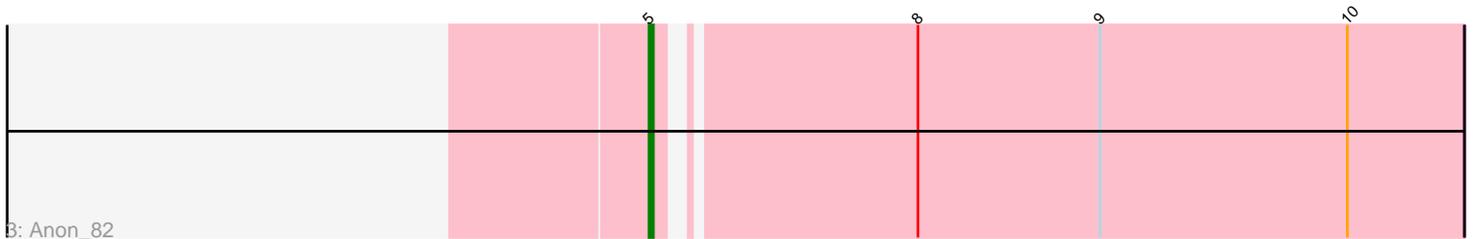


Pham 284477



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 284477 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284477 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Elle_80
- Track 2 : Warrior24_86
- Track 3 : Anon_82
- Track 4 : Waits_85
- Track 5 : Battleship_88, MinecraftSteve_86, DekHockey33_87
- Track 6 : Oofda_85

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

Genes that call this "Most Annotated" start:

- Battleship_88, DekHockey33_87, MinecraftSteve_86, Waits_85,

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

-

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

- Anon_82, Elle_80, Oofda_85, Warrior24_86,

Summary by start number:

Start 3:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Oofda_85 (A15),

Start 4:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Warrior24_86 (A15),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_82 (A15),

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elle_80 (A15),

Start 7:

- Found in 4 of 8 (50.0%) 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: Battleship_88 (A15), DekHockey33_87 (A15), MinecraftSteve_86 (A15), Waits_85 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

- Start number 3 was manually annotated 1 time for cluster A15.
- Start number 4 was manually annotated 1 time for cluster A15.
- Start number 5 was manually annotated 1 time for cluster A15.
- Start number 7 was manually annotated 4 times for cluster A15.

Gene Information:

Gene: Anon_82 Start: 46056, Stop: 45877, Start Num: 5

Candidate Starts for Anon_82:

(Start: 5 @46056 has 1 MA's), (8, 46002), (9, 45960), (10, 45903),

Gene: Battleship_88 Start: 46580, Stop: 46401, Start Num: 7

Candidate Starts for Battleship_88:

(1, 46706), (2, 46685), (Start: 4 @46595 has 1 MA's), (Start: 7 @46580 has 4 MA's), (8, 46526), (9, 46484), (10, 46427),

Gene: DekHockey33_87 Start: 46665, Stop: 46486, Start Num: 7

Candidate Starts for DekHockey33_87:

(1, 46791), (2, 46770), (Start: 4 @46680 has 1 MA's), (Start: 7 @46665 has 4 MA's), (8, 46611), (9, 46569), (10, 46512),

Gene: Elle_80 Start: 45410, Stop: 45231, Start Num: 6

Candidate Starts for Elle_80:

(6, 45410), (8, 45356), (9, 45314), (10, 45257), (11, 45254),

Gene: MinecraftSteve_86 Start: 46376, Stop: 46197, Start Num: 7

Candidate Starts for MinecraftSteve_86:

(1, 46502), (2, 46481), (Start: 4 @46391 has 1 MA's), (Start: 7 @46376 has 4 MA's), (8, 46322), (9, 46280), (10, 46223),

Gene: Oofda_85 Start: 46370, Stop: 46173, Start Num: 3

Candidate Starts for Oofda_85:

(Start: 3 @46370 has 1 MA's), (Start: 4 @46364 has 1 MA's), (8, 46298), (9, 46256), (10, 46199), (11, 46196),

Gene: Waits_85 Start: 46310, Stop: 46131, Start Num: 7

Candidate Starts for Waits_85:

(Start: 4 @46325 has 1 MA's), (Start: 7 @46310 has 4 MA's), (8, 46256), (9, 46214), (10, 46157),

Gene: Warrior24_86 Start: 46820, Stop: 46629, Start Num: 4

Candidate Starts for Warrior24_86:

(Start: 3 @46826 has 1 MA's), (Start: 4 @46820 has 1 MA's), (8, 46754), (9, 46712), (10, 46655), (11, 46652),