



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 203677 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203677 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : OneDirection_34
- Track 2 : Birdsong_53, Asapag_53
- Track 3 : BotCity_58
- Track 4 : MortyNRick_48
- Track 5 : Phabuloso_54, Moosehead_41

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asapag_53, Birdsong_53, Moosehead_41, MortyNRick_48, OneDirection_34, Phabuloso_54,

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

- BotCity_58,

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

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Summary by start number:

Start 6:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Asapag_53 (DN1), Birdsong_53 (DN), Moosehead_41 (CZ6), MortyNRick_48 (DN), OneDirection_34 (CZ6), Phabuloso_54 (DN1),

Start 8:

- Found in 6 of 7 (85.7%) of genes in pham
- No Manual Annotations of this start.

- Called 16.7% of time when present
- Phage (with cluster) where this start called: BotCity_58 (DN),

Summary by clusters:

There are 3 clusters represented in this pham: DN, CZ6, DN1,

Info for manual annotations of cluster CZ6:

- Start number 6 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster DN:

- Start number 6 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 6 was manually annotated 2 times for cluster DN1.

Gene Information:

Gene: Asapag_53 Start: 35734, Stop: 35991, Start Num: 6

Candidate Starts for Asapag_53:

(2, 35665), (3, 35692), (Start: 6 @35734 has 5 MA's), (7, 35770), (8, 35785), (10, 35824), (13, 35947), (14, 35983),

Gene: Birdsong_53 Start: 35955, Stop: 36212, Start Num: 6

Candidate Starts for Birdsong_53:

(2, 35886), (3, 35913), (Start: 6 @35955 has 5 MA's), (7, 35991), (8, 36006), (10, 36045), (13, 36168), (14, 36204),

Gene: BotCity_58 Start: 36552, Stop: 36758, Start Num: 8

Candidate Starts for BotCity_58:

(2, 36432), (3, 36459), (Start: 6 @36501 has 5 MA's), (7, 36537), (8, 36552), (13, 36714),

Gene: Moosehead_41 Start: 28984, Stop: 29241, Start Num: 6

Candidate Starts for Moosehead_41:

(2, 28915), (3, 28942), (Start: 6 @28984 has 5 MA's), (7, 29020), (8, 29035), (10, 29074), (13, 29197),

Gene: MortyNRick_48 Start: 36007, Stop: 36261, Start Num: 6

Candidate Starts for MortyNRick_48:

(1, 35923), (4, 35977), (5, 36001), (Start: 6 @36007 has 5 MA's), (7, 36043), (9, 36085), (11, 36181), (12, 36208), (13, 36217),

Gene: OneDirection_34 Start: 27370, Stop: 27627, Start Num: 6

Candidate Starts for OneDirection_34:

(2, 27301), (3, 27328), (Start: 6 @27370 has 5 MA's), (7, 27406), (8, 27421), (13, 27583),

Gene: Phabuloso_54 Start: 36332, Stop: 36589, Start Num: 6

Candidate Starts for Phabuloso_54:

(2, 36263), (3, 36290), (Start: 6 @36332 has 5 MA's), (7, 36368), (8, 36383), (10, 36422), (13, 36545),