# Pham 203460



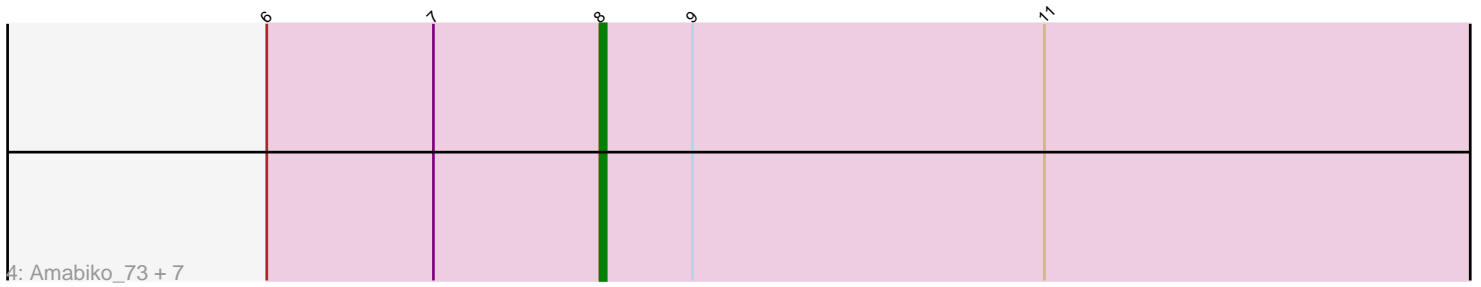1: NootNoot_67
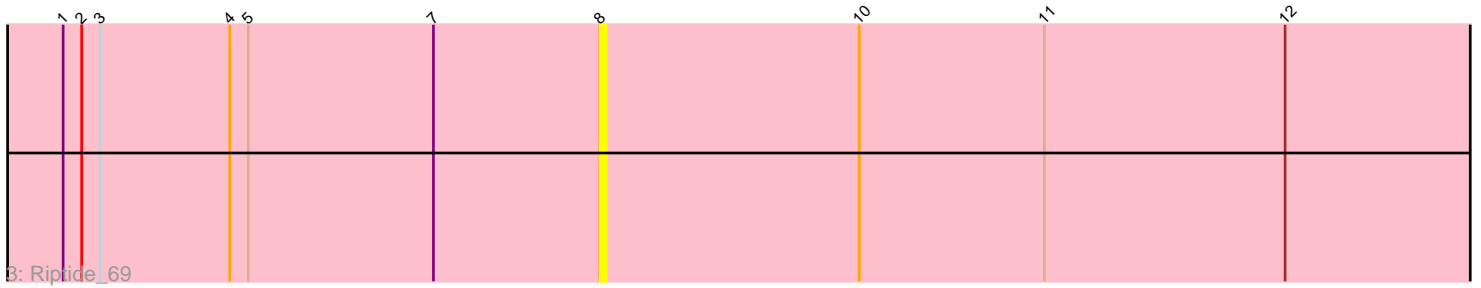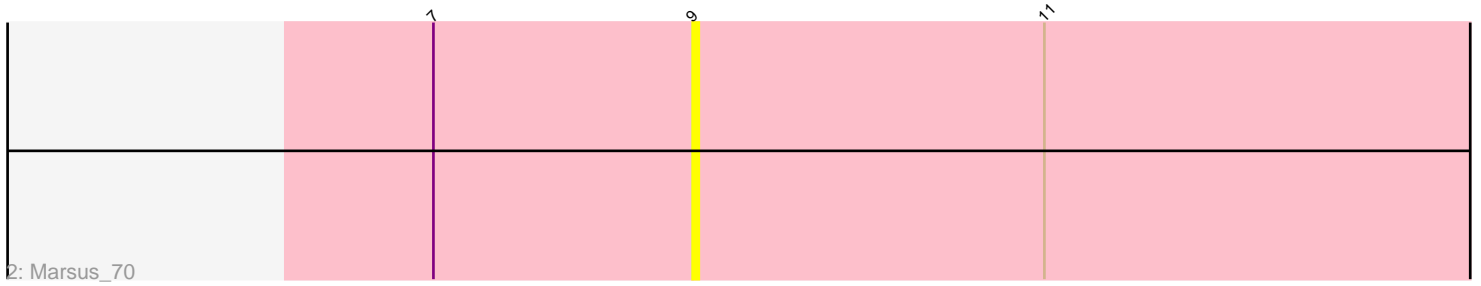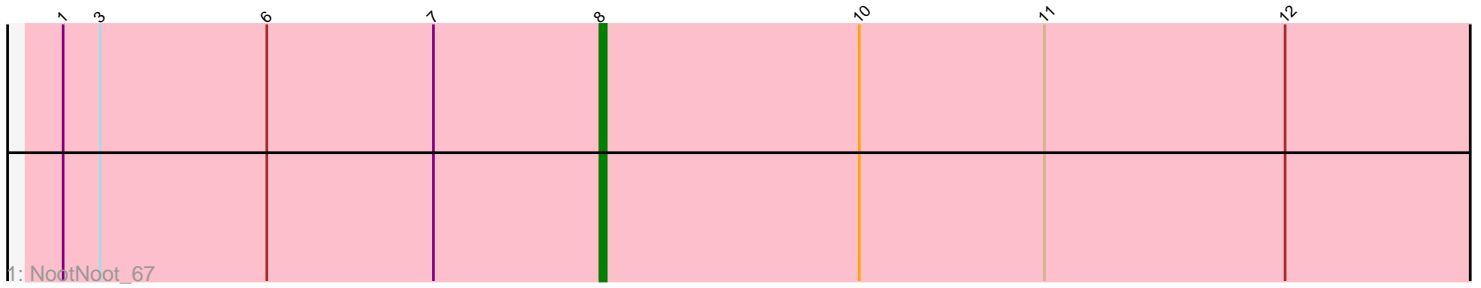
2: Marsus_70

3: Riptide_69

4: Amabiko_73 + 7

5: CeilingFan_75 + 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 203460 Report

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

Pham number 203460 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : NootNoot_67
• Track 2 : Marsus_70
• Track 3 : Riptide_69
• Track 4 : Amabiko_73, Gibbi_77, Starbow_71, Bordeaux_71, Rikishi_76, Battuta_71, Birchlyn_70, Quaran19_73
• Track 5 : CeilingFan_75, Karimac_72


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

The start number called the most often in the published annotations is 8, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_73, Battuta_71, Birchlyn_70, Bordeaux_71, CeilingFan_75, Gibbi_77, Karimac_72, NootNoot_67, Quaran19_73, Rikishi_76, Riptide_69, Starbow_71,

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

Genes that do not have the "Most Annotated" start:
• Marsus_70,

**Summary by start number:**

Start 8:
• Found in 12 of 13 ( 92.3% ) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_73 (BE2), Battuta_71 (BE2), Birchlyn_70 (BE2), Bordeaux_71 (BE2), CeilingFan_75 (BE2), Gibbi_77 (BE2), Karimac_72 (BE2), NootNoot_67 (BE1), Quaran19_73 (BE2), Rikishi_76 (BE2), Riptide_69 (BE1), Starbow_71 (BE2),

Start 9:

• Found in 11 of 13 ( 84.6% ) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Marsus_70 (BE1),

**Summary by clusters:**

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 8 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 8 was manually annotated 7 times for cluster BE2.


*Gene Information:*
Gene: Amabiko_73 Start: 53394, Stop: 53546, Start Num: 8
Candidate Starts for Amabiko_73:
(6, 53340), (7, 53367), (Start: 8 @53394 has 8 MA's), (9, 53409), (11, 53466),

Gene: Battuta_71 Start: 53368, Stop: 53520, Start Num: 8
Candidate Starts for Battuta_71:
(6, 53314), (7, 53341), (Start: 8 @53368 has 8 MA's), (9, 53383), (11, 53440),

Gene: Birchlyn_70 Start: 51251, Stop: 51403, Start Num: 8
Candidate Starts for Birchlyn_70:
(6, 51197), (7, 51224), (Start: 8 @51251 has 8 MA's), (9, 51266), (11, 51323),

Gene: Bordeaux_71 Start: 53523, Stop: 53675, Start Num: 8
Candidate Starts for Bordeaux_71:
(6, 53469), (7, 53496), (Start: 8 @53523 has 8 MA's), (9, 53538), (11, 53595),

Gene: CeilingFan_75 Start: 53283, Stop: 53435, Start Num: 8
Candidate Starts for CeilingFan_75:
(6, 53229), (7, 53256), (Start: 8 @53283 has 8 MA's), (9, 53298), (10, 53325), (11, 53355),

Gene: Gibbi_77 Start: 53506, Stop: 53658, Start Num: 8
Candidate Starts for Gibbi_77:
(6, 53452), (7, 53479), (Start: 8 @53506 has 8 MA's), (9, 53521), (11, 53578),

Gene: Karimac_72 Start: 53500, Stop: 53652, Start Num: 8
Candidate Starts for Karimac_72:
(6, 53446), (7, 53473), (Start: 8 @53500 has 8 MA's), (9, 53515), (10, 53542), (11, 53572),

Gene: Marsus_70 Start: 52661, Stop: 52798, Start Num: 9
Candidate Starts for Marsus_70:
(7, 52619), (9, 52661), (11, 52718),

Gene: NootNoot_67 Start: 52455, Stop: 52607, Start Num: 8
Candidate Starts for NootNoot_67:

(1, 52368), (3, 52374), (6, 52401), (7, 52428), (Start: 8 @52455 has 8 MA's), (10, 52497), (11, 52527), (12, 52566),

Gene: Quaran19_73 Start: 53385, Stop: 53537, Start Num: 8
Candidate Starts for Quaran19_73:
(6, 53331), (7, 53358), (Start: 8 @53385 has 8 MA's), (9, 53400), (11, 53457),

Gene: Rikishi_76 Start: 53300, Stop: 53452, Start Num: 8
Candidate Starts for Rikishi_76:
(6, 53246), (7, 53273), (Start: 8 @53300 has 8 MA's), (9, 53315), (11, 53372),

Gene: Riptide_69 Start: 52188, Stop: 52340, Start Num: 8
Candidate Starts for Riptide_69:
(1, 52101), (2, 52104), (3, 52107), (4, 52128), (5, 52131), (7, 52161), (Start: 8 @52188 has 8 MA's), (10, 52230), (11, 52260), (12, 52299),

Gene: Starbow_71 Start: 53370, Stop: 53522, Start Num: 8
Candidate Starts for Starbow_71:
(6, 53316), (7, 53343), (Start: 8 @53370 has 8 MA's), (9, 53385), (11, 53442),