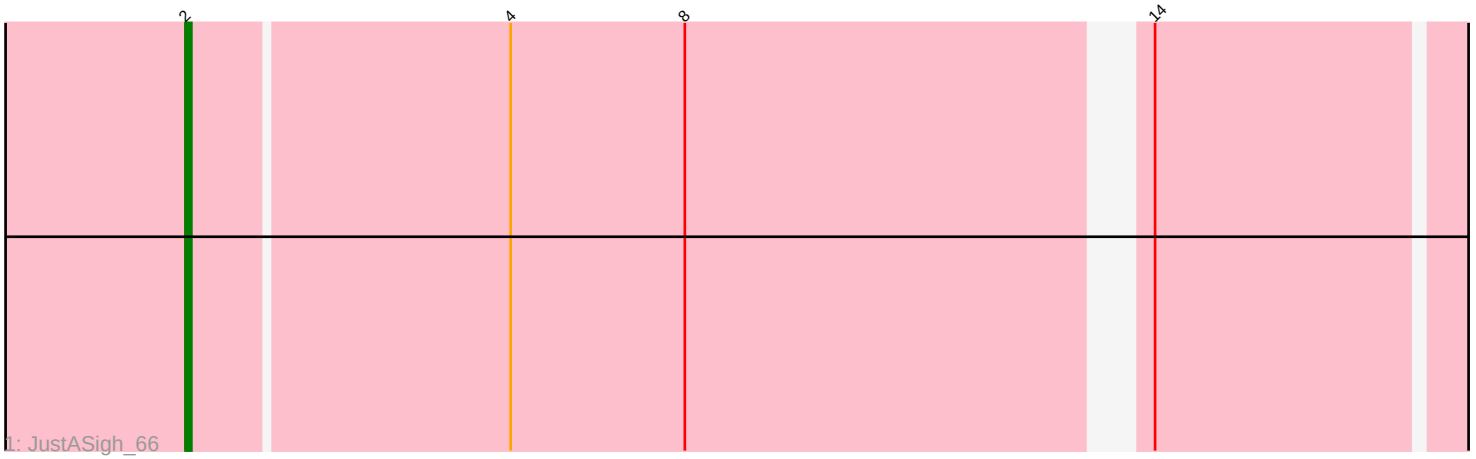
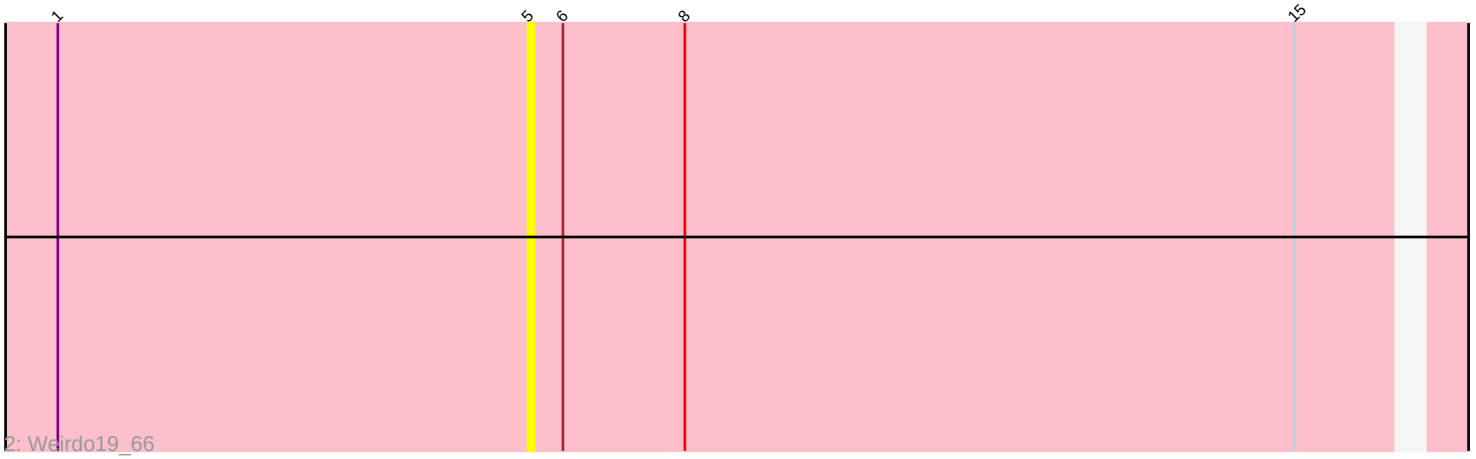
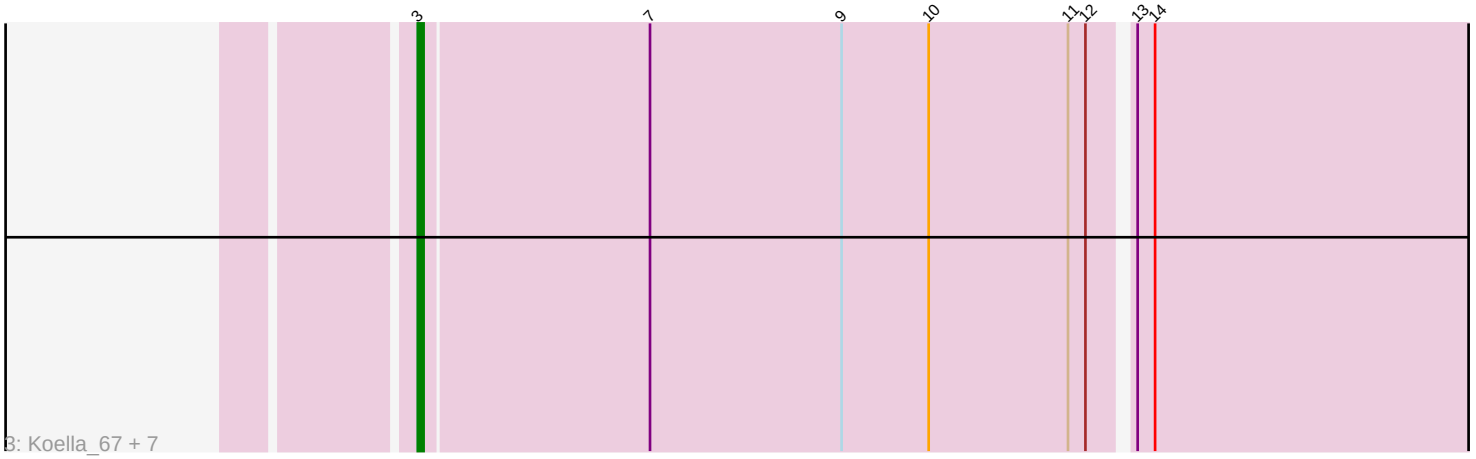
Pham 344613


2
4
8
14
1: JustASigh_66


1
5
6
8
15
2: Weirdo19_66


3
7
9
10
11
12
13
14
3: Koella_67 + 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 344613 Report

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

Pham number 344613 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_66
• Track 2 : Weirdo19_66
• Track 3 : Koella_67, NormanBulbieJr_72, LastJedi_67, Brocalys_67, Priscilla_73, SwagPigglett_79, BobaPhett_78, Cabrinians_75

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BobaPhett_78, Brocalys_67, Cabrinians_75, Koella_67, LastJedi_67, NormanBulbieJr_72, Priscilla_73, SwagPigglett_79,

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

Genes that do not have the "Most Annotated" start:
• JustASigh_66, Weirdo19_66,

Summary by start number:

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustASigh_66 (AH),

Start 3:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobaPhett_78 (F1), Brocalys_67 (F1), Cabrinians_75 (F1), Koella_67 (F1), LastJedi_67 (F1), NormanBulbieJr_72 (F1),

Priscilla_73 (F1), SwagPigglett_79 (F1),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Weirdo19_66 (AH),

Summary by clusters:

There are 2 clusters represented in this pham: F1, AH,

Info for manual annotations of cluster AH:
•Start number 2 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 8 times for cluster F1.

Gene Information:

Gene: BobaPhett_78 Start: 49898, Stop: 50089, Start Num: 3
Candidate Starts for BobaPhett_78:
(Start: 3 @49898 has 8 MA's), (7, 49937), (9, 49970), (10, 49985), (11, 50009), (12, 50012), (13, 50018), (14, 50021),

Gene: Brocalys_67 Start: 45378, Stop: 45569, Start Num: 3
Candidate Starts for Brocalys_67:
(Start: 3 @45378 has 8 MA's), (7, 45417), (9, 45450), (10, 45465), (11, 45489), (12, 45492), (13, 45498), (14, 45501),

Gene: Cabrinians_75 Start: 47298, Stop: 47489, Start Num: 3
Candidate Starts for Cabrinians_75:
(Start: 3 @47298 has 8 MA's), (7, 47337), (9, 47370), (10, 47385), (11, 47409), (12, 47412), (13, 47418), (14, 47421),

Gene: JustASigh_66 Start: 43631, Stop: 43852, Start Num: 2
Candidate Starts for JustASigh_66:
(Start: 2 @43631 has 1 MA's), (4, 43685), (8, 43715), (14, 43787),

Gene: Koella_67 Start: 43197, Stop: 43388, Start Num: 3
Candidate Starts for Koella_67:
(Start: 3 @43197 has 8 MA's), (7, 43236), (9, 43269), (10, 43284), (11, 43308), (12, 43311), (13, 43317), (14, 43320),

Gene: LastJedi_67 Start: 45772, Stop: 45963, Start Num: 3
Candidate Starts for LastJedi_67:
(Start: 3 @45772 has 8 MA's), (7, 45811), (9, 45844), (10, 45859), (11, 45883), (12, 45886), (13, 45892), (14, 45895),

Gene: NormanBulbieJr_72 Start: 47211, Stop: 47402, Start Num: 3
Candidate Starts for NormanBulbieJr_72:

(Start: 3 @47211 has 8 MA's), (7, 47250), (9, 47283), (10, 47298), (11, 47322), (12, 47325), (13, 47331), (14, 47334),

Gene: Priscilla_73 Start: 47309, Stop: 47500, Start Num: 3
Candidate Starts for Priscilla_73:
(Start: 3 @47309 has 8 MA's), (7, 47348), (9, 47381), (10, 47396), (11, 47420), (12, 47423), (13, 47429), (14, 47432),

Gene: SwagPigglett_79 Start: 49528, Stop: 49719, Start Num: 3
Candidate Starts for SwagPigglett_79:
(Start: 3 @49528 has 8 MA's), (7, 49567), (9, 49600), (10, 49615), (11, 49639), (12, 49642), (13, 49648), (14, 49651),

Gene: Weirdo19_66 Start: 43443, Stop: 43613, Start Num: 5
Candidate Starts for Weirdo19_66:
(1, 43362), (5, 43443), (6, 43449), (8, 43470), (15, 43575),