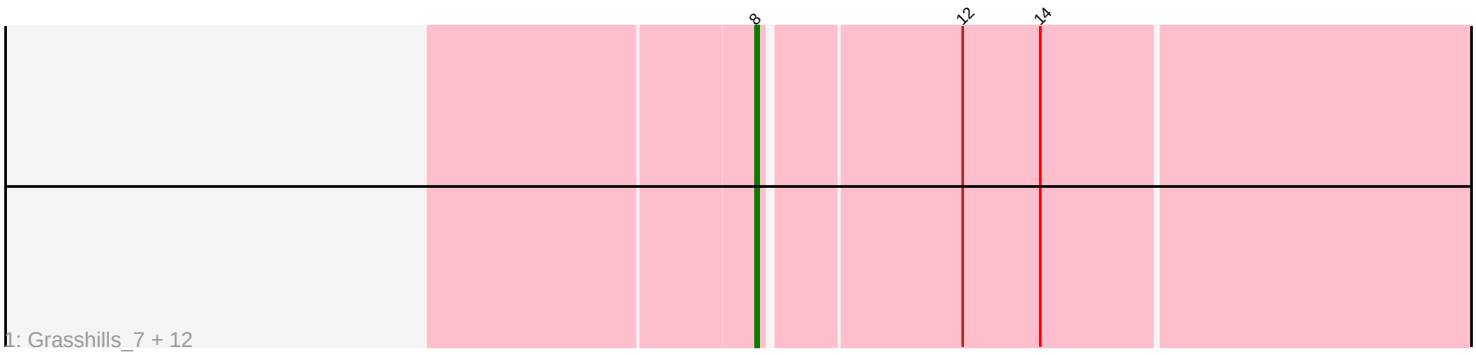
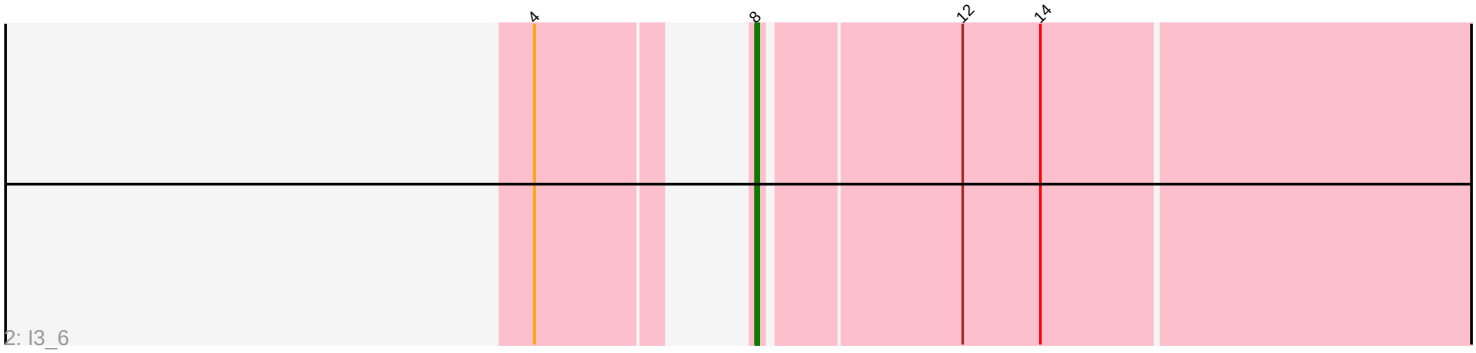
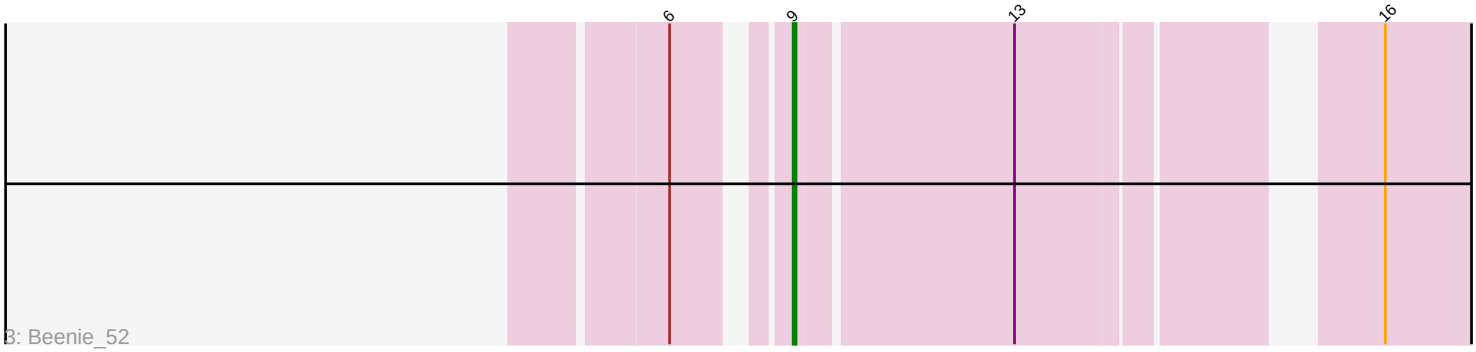
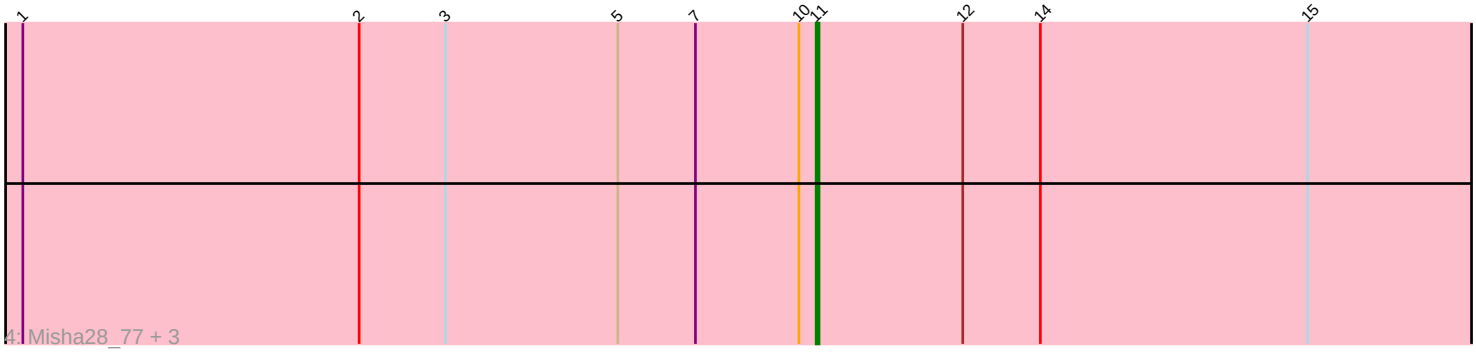
Pham 284225


8
12
14
1: Grasshills_7 + 12


4
8
12
14
2: I3_6


6
9
13
16
3: Beenie_52


1
2
3
5
7
10
11
12
14
15
4: Misha28_77 + 3

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 284225 Report

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

Pham number 284225 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Grasshills_7, Drazdys_7, Tyke_7, Specks_7, BigCity_7, DTDevon_7, EggyFarm_7, Pupusa_7, InterFolia_7, LordLeafolot_7, Dandelion_6, Tainan_7, LolaVinca_7
• Track 2 : I3_6
• Track 3 : Beenie_52
• Track 4 : Misha28_77, Aloeri_79, ChickenDinner_78, TootsiePop_77

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 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigCity_7, DTDevon_7, Dandelion_6, Drazdys_7, EggyFarm_7, Grasshills_7, I3_6, InterFolia_7, LolaVinca_7, LordLeafolot_7, Pupusa_7, Specks_7, Tainan_7, Tyke_7,

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

Genes that do not have the "Most Annotated" start:
• Aloeri_79, Beenie_52, ChickenDinner_78, Misha28_77, TootsiePop_77,

Summary by start number:

Start 8:
• Found in 14 of 19 (73.7%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigCity_7 (C1), DTDevon_7 (C1), Dandelion_6 (C1), Drazdys_7 (C1), EggyFarm_7 (C1), Grasshills_7 (C1), I3_6 (C1), InterFolia_7 (C1), LolaVinca_7 (C1), LordLeafolot_7 (C1), Pupusa_7 (C1), Specks_7 (C1), Tainan_7 (C1), Tyke_7 (C1),

Start 9:

• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beenie_52 (CZ4),

Start 11:
• Found in 4 of 19 (21.1%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloeri_79 (F1), ChickenDinner_78 (F1), Misha28_77 (F1), TootsiePop_77 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, C1, CZ4,

Info for manual annotations of cluster C1:
•Start number 8 was manually annotated 9 times for cluster C1.

Info for manual annotations of cluster CZ4:
•Start number 9 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster F1:
•Start number 11 was manually annotated 4 times for cluster F1.

Gene Information:

Gene: Aloeri_79 Start: 48860, Stop: 49174, Start Num: 11
Candidate Starts for Aloeri_79:
(1, 48584), (2, 48701), (3, 48731), (5, 48791), (7, 48818), (10, 48854), (Start: 11 @48860 has 4 MA's), (12, 48911), (14, 48938), (15, 49031),

Gene: Beenie_52 Start: 39328, Stop: 39618, Start Num: 9
Candidate Starts for Beenie_52:
(6, 39298), (Start: 9 @39328 has 1 MA's), (13, 39400), (16, 39505),

Gene: BigCity_7 Start: 2580, Stop: 2906, Start Num: 8
Candidate Starts for BigCity_7:
(Start: 8 @2580 has 9 MA's), (12, 2646), (14, 2673),

Gene: ChickenDinner_78 Start: 48860, Stop: 49174, Start Num: 11
Candidate Starts for ChickenDinner_78:
(1, 48584), (2, 48701), (3, 48731), (5, 48791), (7, 48818), (10, 48854), (Start: 11 @48860 has 4 MA's), (12, 48911), (14, 48938), (15, 49031),

Gene: DTDevon_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for DTDevon_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: Dandelion_6 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for Dandelion_6:

(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: Drazdys_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for Drazdys_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: EggyFarm_7 Start: 2580, Stop: 2906, Start Num: 8
Candidate Starts for EggyFarm_7:
(Start: 8 @2580 has 9 MA's), (12, 2646), (14, 2673),

Gene: Grasshills_7 Start: 2580, Stop: 2906, Start Num: 8
Candidate Starts for Grasshills_7:
(Start: 8 @2580 has 9 MA's), (12, 2646), (14, 2673),

Gene: I3_6 Start: 2115, Stop: 2441, Start Num: 8
Candidate Starts for I3_6:
(4, 2070), (Start: 8 @2115 has 9 MA's), (12, 2181), (14, 2208),

Gene: InterFolia_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for InterFolia_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: LolaVinca_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for LolaVinca_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: LordLeafolot_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for LordLeafolot_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: Misha28_77 Start: 49385, Stop: 49699, Start Num: 11
Candidate Starts for Misha28_77:
(1, 49109), (2, 49226), (3, 49256), (5, 49316), (7, 49343), (10, 49379), (Start: 11 @49385 has 4 MA's), (12, 49436), (14, 49463), (15, 49556),

Gene: Pupusa_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for Pupusa_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: Specks_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for Specks_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: Tainan_7 Start: 2141, Stop: 2467, Start Num: 8
Candidate Starts for Tainan_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),

Gene: TootsiePop_77 Start: 49385, Stop: 49699, Start Num: 11
Candidate Starts for TootsiePop_77:
(1, 49109), (2, 49226), (3, 49256), (5, 49316), (7, 49343), (10, 49379), (Start: 11 @49385 has 4 MA's), (12, 49436), (14, 49463), (15, 49556),

Gene: Tyke_7 Start: 2141, Stop: 2467, Start Num: 8

Candidate Starts for Tyke_7:
(Start: 8 @2141 has 9 MA's), (12, 2207), (14, 2234),