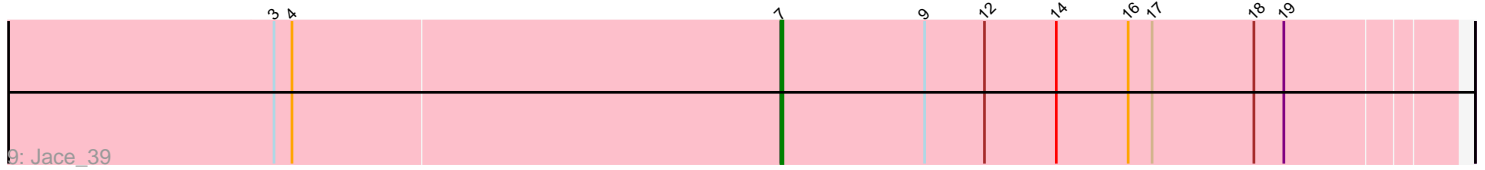
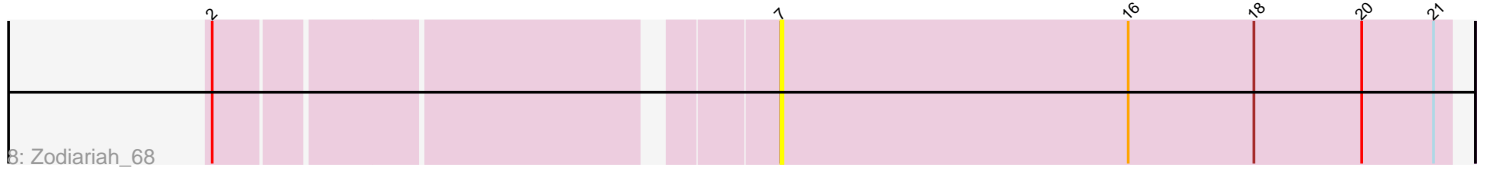
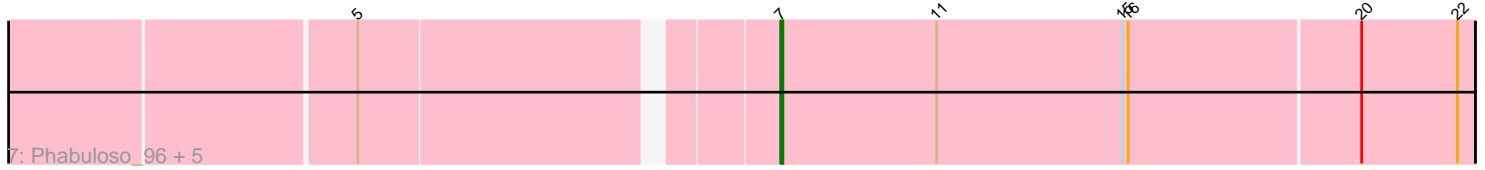
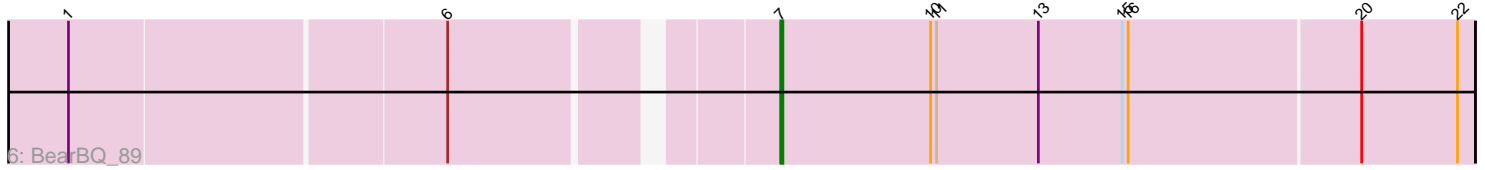
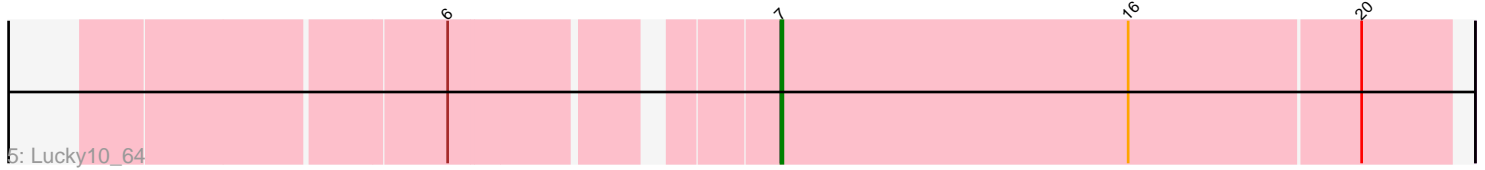
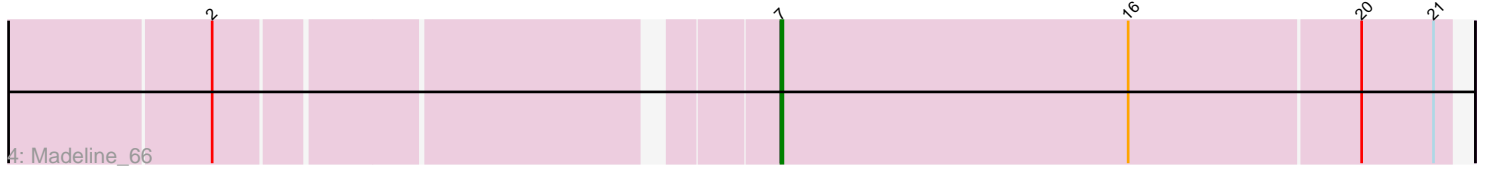
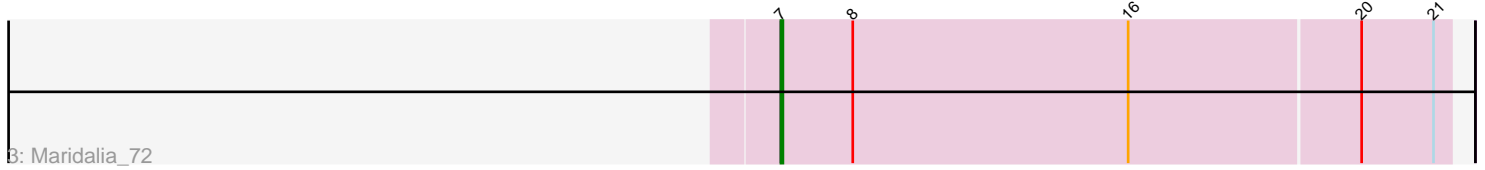
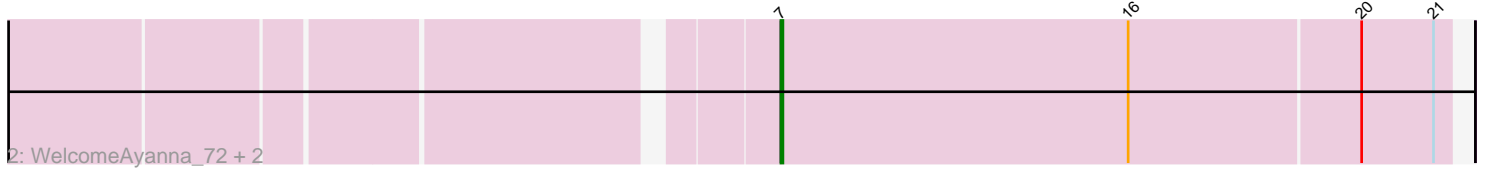
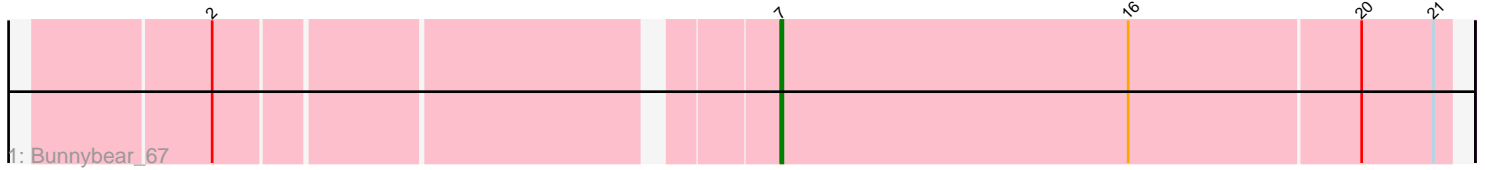


Pham 203395



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 203395 Report

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

Pham number 203395 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bunnybear_67
- Track 2 : WelcomeAyanna_72, RavenCo17_68, ThankyouJordi_72
- Track 3 : Maridalia_72
- Track 4 : Madeline_66
- Track 5 : Lucky10_64
- Track 6 : BearBQ_89
- Track 7 : Phabuloso_96, BotCity_92, Kenna_84, BENtherdunthat_89, Lutum_90, Getalong_92
- Track 8 : Zodiariah_68
- Track 9 : Jace_39

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

Genes that call this "Most Annotated" start:

- BENtherdunthat_89, BearBQ_89, BotCity_92, Bunnybear_67, Getalong_92, Jace_39, Kenna_84, Lucky10_64, Lutum_90, Madeline_66, Maridalia_72, Phabuloso_96, RavenCo17_68, ThankyouJordi_72, WelcomeAyanna_72, Zodiariah_68,

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

-

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

-

Summary by start number:

Start 7:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BENtherdunthat_89 (DN1), BearBQ_89 (DN), BotCity_92 (DN), Bunnybear_67 (CZ), Getalong_92 (DN1), Jace_39 (singleton), Kenna_84 (DN1), Lucky10_64 (DH), Lutum_90 (DN1), Madeline_66 (CZ1), Maridalia_72 (CZ1), Phabuloso_96 (DN1), RavenCo17_68 (CZ8), ThankyouJordi_72 (CZ1), WelcomeAyanna_72 (CZ1), Zodiariah_68 (DW),

Summary by clusters:

There are 8 clusters represented in this pham: DN, singleton, DH, CZ1, CZ8, CZ, DN1, DW,

Info for manual annotations of cluster CZ:

- Start number 7 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 7 was manually annotated 4 times for cluster CZ1.

Info for manual annotations of cluster CZ8:

- Start number 7 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DH:

- Start number 7 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

- Start number 7 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 7 was manually annotated 5 times for cluster DN1.

Gene Information:

Gene: BENtherdunthat_89 Start: 48908, Stop: 49252, Start Num: 7

Candidate Starts for BENtherdunthat_89:

(5, 48719), (Start: 7 @48908 has 14 MA's), (11, 48986), (15, 49079), (16, 49082), (20, 49196), (22, 49244),

Gene: BearBQ_89 Start: 50470, Stop: 50814, Start Num: 7

Candidate Starts for BearBQ_89:

(1, 50149), (6, 50329), (Start: 7 @50470 has 14 MA's), (10, 50545), (11, 50548), (13, 50599), (15, 50641), (16, 50644), (20, 50758), (22, 50806),

Gene: BotCity_92 Start: 50437, Stop: 50781, Start Num: 7

Candidate Starts for BotCity_92:

(5, 50248), (Start: 7 @50437 has 14 MA's), (11, 50515), (15, 50608), (16, 50611), (20, 50725), (22, 50773),

Gene: Bunnybear_67 Start: 47210, Stop: 47542, Start Num: 7

Candidate Starts for Bunnybear_67:

(2, 46955), (Start: 7 @47210 has 14 MA's), (16, 47384), (20, 47498), (21, 47534),

Gene: Getalong_92 Start: 51363, Stop: 51707, Start Num: 7
Candidate Starts for Getalong_92:
(5, 51174), (Start: 7 @51363 has 14 MA's), (11, 51441), (15, 51534), (16, 51537), (20, 51651), (22, 51699),

Gene: Jace_39 Start: 29450, Stop: 29782, Start Num: 7
Candidate Starts for Jace_39:
(3, 29198), (4, 29207), (Start: 7 @29450 has 14 MA's), (9, 29522), (12, 29552), (14, 29588), (16, 29624), (17, 29636), (18, 29687), (19, 29702),

Gene: Kenna_84 Start: 48181, Stop: 48525, Start Num: 7
Candidate Starts for Kenna_84:
(5, 47992), (Start: 7 @48181 has 14 MA's), (11, 48259), (15, 48352), (16, 48355), (20, 48469), (22, 48517),

Gene: Lucky10_64 Start: 40485, Stop: 40817, Start Num: 7
Candidate Starts for Lucky10_64:
(6, 40344), (Start: 7 @40485 has 14 MA's), (16, 40659), (20, 40773),

Gene: Lutum_90 Start: 49343, Stop: 49687, Start Num: 7
Candidate Starts for Lutum_90:
(5, 49154), (Start: 7 @49343 has 14 MA's), (11, 49421), (15, 49514), (16, 49517), (20, 49631), (22, 49679),

Gene: Madeline_66 Start: 47902, Stop: 48234, Start Num: 7
Candidate Starts for Madeline_66:
(2, 47647), (Start: 7 @47902 has 14 MA's), (16, 48076), (20, 48190), (21, 48226),

Gene: Maridalia_72 Start: 47222, Stop: 47554, Start Num: 7
Candidate Starts for Maridalia_72:
(Start: 7 @47222 has 14 MA's), (8, 47258), (16, 47396), (20, 47510), (21, 47546),

Gene: Phabuloso_96 Start: 50835, Stop: 51179, Start Num: 7
Candidate Starts for Phabuloso_96:
(5, 50646), (Start: 7 @50835 has 14 MA's), (11, 50913), (15, 51006), (16, 51009), (20, 51123), (22, 51171),

Gene: RavenCo17_68 Start: 47032, Stop: 47364, Start Num: 7
Candidate Starts for RavenCo17_68:
(Start: 7 @47032 has 14 MA's), (16, 47206), (20, 47320), (21, 47356),

Gene: ThankyouJordi_72 Start: 49350, Stop: 49682, Start Num: 7
Candidate Starts for ThankyouJordi_72:
(Start: 7 @49350 has 14 MA's), (16, 49524), (20, 49638), (21, 49674),

Gene: WelcomeAyanna_72 Start: 49497, Stop: 49829, Start Num: 7
Candidate Starts for WelcomeAyanna_72:
(Start: 7 @49497 has 14 MA's), (16, 49671), (20, 49785), (21, 49821),

Gene: Zodiariah_68 Start: 48508, Stop: 48843, Start Num: 7
Candidate Starts for Zodiariah_68:
(2, 48253), (Start: 7 @48508 has 14 MA's), (16, 48682), (18, 48745), (20, 48799), (21, 48835),