Pham 7258

1: Daubenski_23

2: Spilled_27 + 7

3: JimJam_23

4: Yaboi_29

5: Mugiwara_27
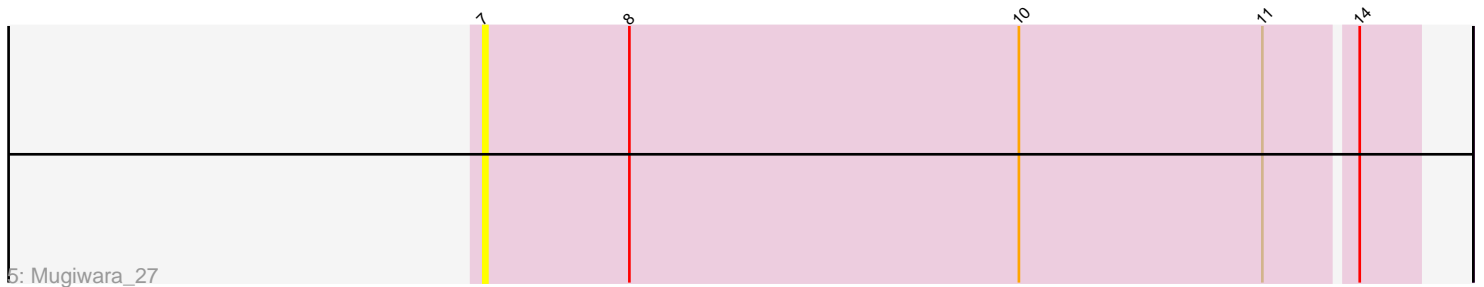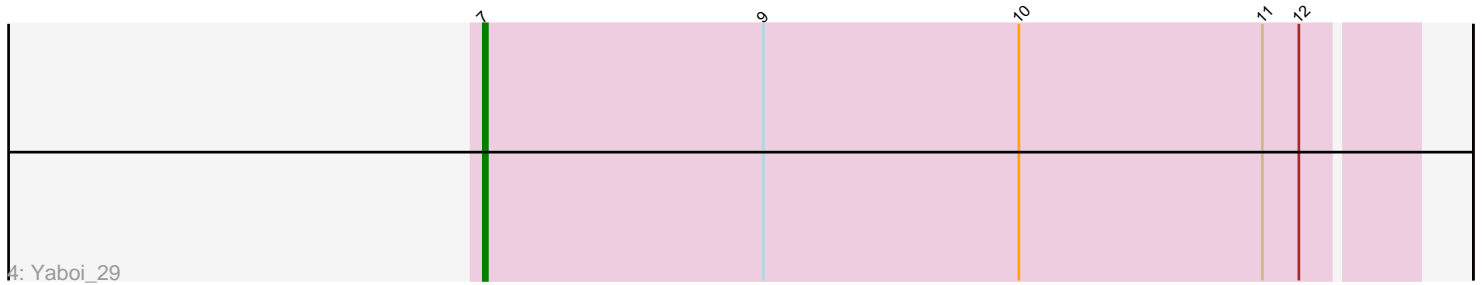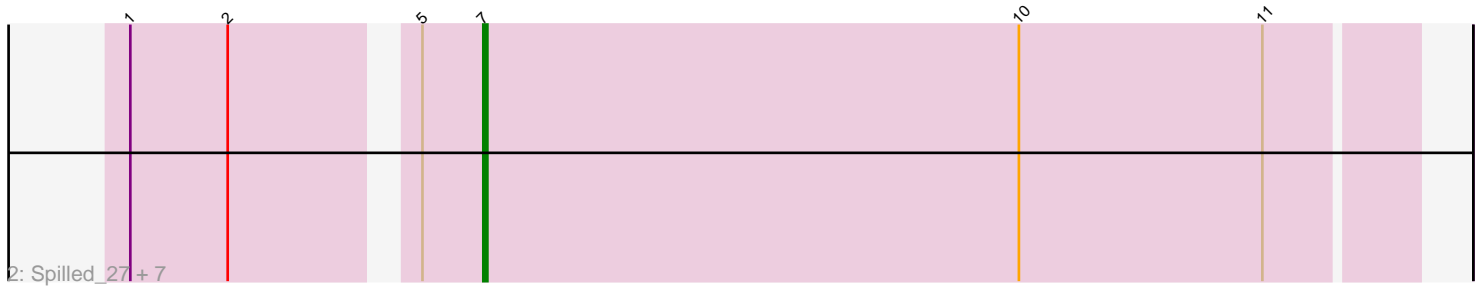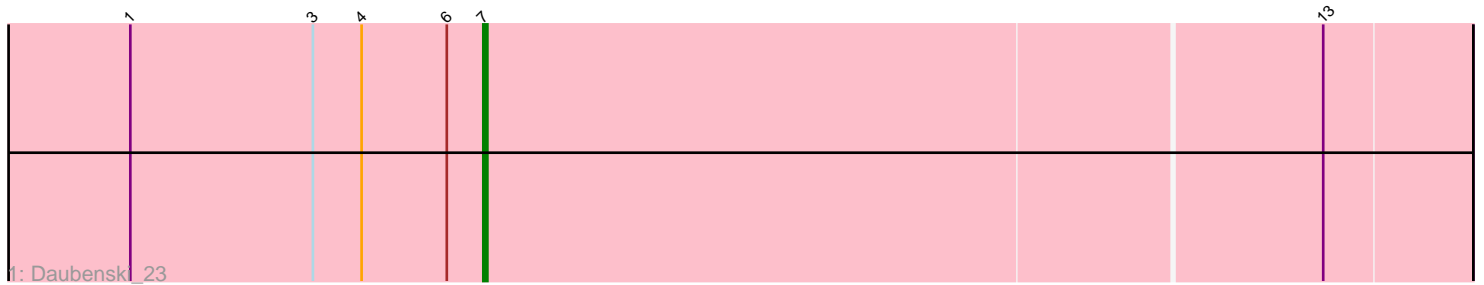
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 7258 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7258 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_23
• Track 2 : Spilled_27, KentuckyRacer_31, Quaran19_28, Amabiko_28, SaltySpitoon_28, Birchlyn_25, Spelly_28, MindFlayer_26
• Track 3 : JimJam_28
• Track 4 : Yaboi_29
• Track 5 : Mugiwara_27

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_28, Birchlyn_25, Daubenski_23, KentuckyRacer_31, MindFlayer_26, Mugiwara_27, Quaran19_28, SaltySpitoon_28, Spelly_28, Spilled_27, Yaboi_29,

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

Genes that do not have the "Most Annotated" start:
• JimJam_28,

Summary by start number:

Start 5:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 11.1% of time when present
• Phage (with cluster) where this start called: JimJam_28 (BE2),

Start 7:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Amabiko_28 (BE2), Birchlyn_25 (BE2), Daubenski_23 (BE1), KentuckyRacer_31 (BE2), MindFlayer_26 (BE2), Mugiwara_27 (BE2), Quaran19_28 (BE2), SaltySpitoon_28 (BE2), Spelly_28 (BE2), Spilled_27 (BE2), Yaboi_29 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 7 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 5 was manually annotated 1 time for cluster BE2.
•Start number 7 was manually annotated 8 times for cluster BE2.

Gene Information:

Gene: Amabiko_28 Start: 12880, Stop: 12653, Start Num: 7
Candidate Starts for Amabiko_28:
(1, 12958), (2, 12934), (Start: 5 @12895 has 1 MA's), (Start: 7 @12880 has 9 MA's), (10, 12748), (11, 12688),

Gene: Birchlyn_25 Start: 10737, Stop: 10510, Start Num: 7
Candidate Starts for Birchlyn_25:
(1, 10815), (2, 10791), (Start: 5 @10752 has 1 MA's), (Start: 7 @10737 has 9 MA's), (10, 10605), (11, 10545),

Gene: Daubenski_23 Start: 10991, Stop: 10752, Start Num: 7
Candidate Starts for Daubenski_23:
(1, 11078), (3, 11033), (4, 11021), (6, 11000), (Start: 7 @10991 has 9 MA's), (13, 10787),

Gene: JimJam_28 Start: 12834, Stop: 12607, Start Num: 5
Candidate Starts for JimJam_28:
(1, 12897), (2, 12873), (Start: 5 @12834 has 1 MA's), (10, 12702), (11, 12642),

Gene: KentuckyRacer_31 Start: 12632, Stop: 12405, Start Num: 7
Candidate Starts for KentuckyRacer_31:
(1, 12710), (2, 12686), (Start: 5 @12647 has 1 MA's), (Start: 7 @12632 has 9 MA's), (10, 12500), (11, 12440),

Gene: MindFlayer_26 Start: 12490, Stop: 12263, Start Num: 7
Candidate Starts for MindFlayer_26:
(1, 12568), (2, 12544), (Start: 5 @12505 has 1 MA's), (Start: 7 @12490 has 9 MA's), (10, 12358), (11, 12298),

Gene: Mugiwara_27 Start: 12247, Stop: 12020, Start Num: 7
Candidate Starts for Mugiwara_27:
(Start: 7 @12247 has 9 MA's), (8, 12211), (10, 12115), (11, 12055), (14, 12034),

Gene: Quaran19_28 Start: 12871, Stop: 12644, Start Num: 7

Candidate Starts for Quaran19_28:
(1, 12949), (2, 12925), (Start: 5 @12886 has 1 MA's), (Start: 7 @12871 has 9 MA's), (10, 12739), (11, 12679),

Gene: SaltySpitoon_28 Start: 12880, Stop: 12653, Start Num: 7
Candidate Starts for SaltySpitoon_28:
(1, 12958), (2, 12934), (Start: 5 @12895 has 1 MA's), (Start: 7 @12880 has 9 MA's), (10, 12748), (11, 12688),

Gene: Spelly_28 Start: 12835, Stop: 12608, Start Num: 7
Candidate Starts for Spelly_28:
(1, 12913), (2, 12889), (Start: 5 @12850 has 1 MA's), (Start: 7 @12835 has 9 MA's), (10, 12703), (11, 12643),

Gene: Spilled_27 Start: 12490, Stop: 12263, Start Num: 7
Candidate Starts for Spilled_27:
(1, 12568), (2, 12544), (Start: 5 @12505 has 1 MA's), (Start: 7 @12490 has 9 MA's), (10, 12358), (11, 12298),

Gene: Yaboi_29 Start: 12724, Stop: 12497, Start Num: 7
Candidate Starts for Yaboi_29:
(Start: 7 @12724 has 9 MA's), (9, 12655), (10, 12592), (11, 12532), (12, 12523),