Pham 278773

1: YDN12_45

2: Piccadilly_48 + 5

3: Vondra_47 + 2

4: AxeJC_47

5: Gilgamesh_21
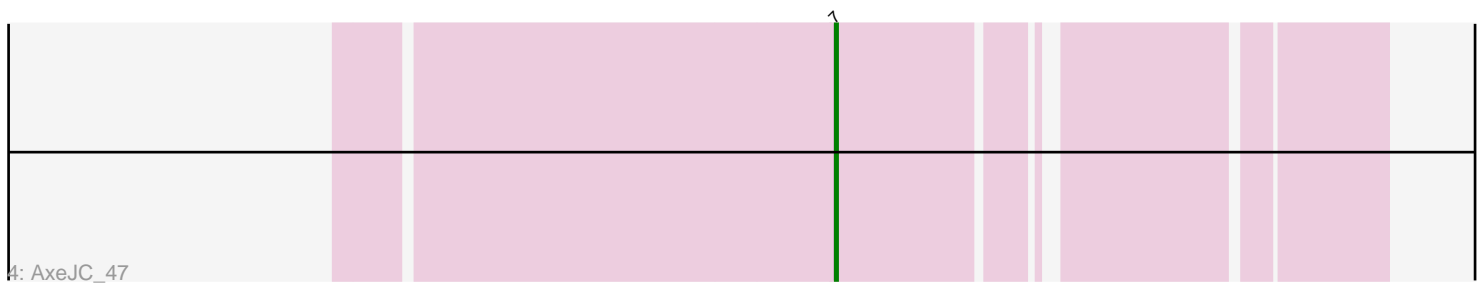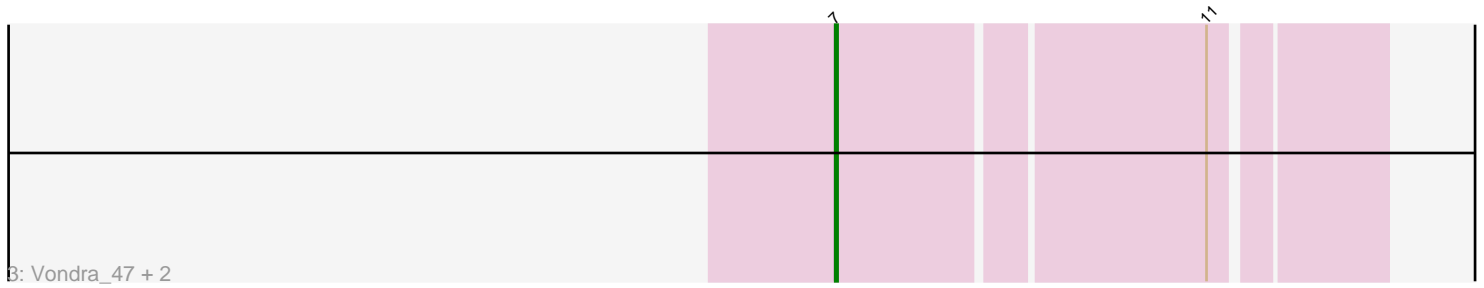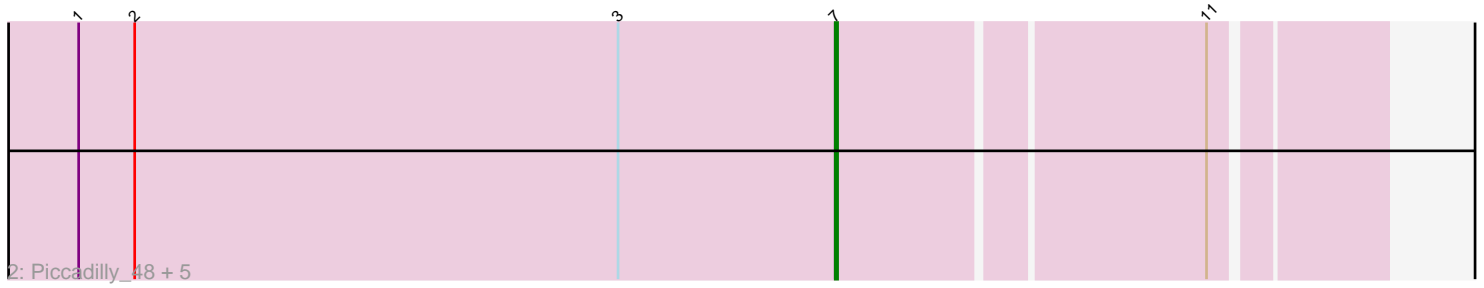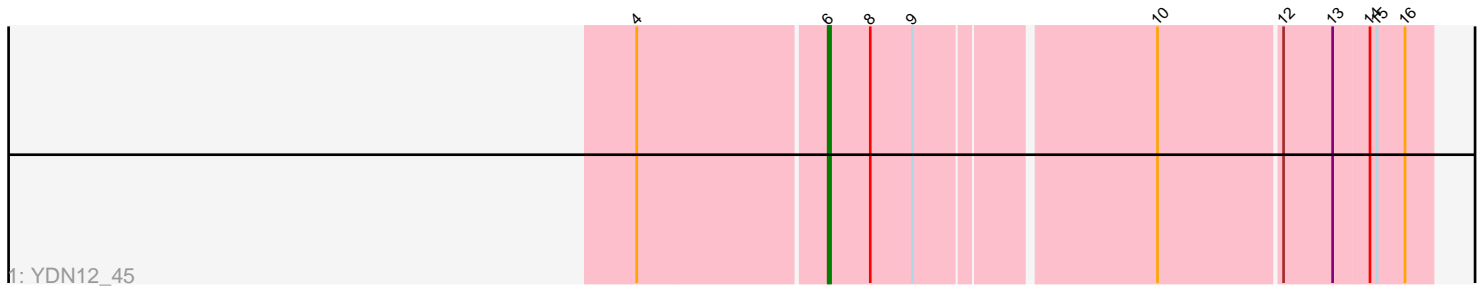
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 278773 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278773 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : YDN12_45
• Track 2 : Piccadilly_48, Cumberbatch_49, FrumpyGal_49, ArizonaGT_49, Eklok_48, Eastland_48
• Track 3 : Vondra_47, HFrancette_48, Ignacio_47
• Track 4 : AxeJC_47
• Track 5 : Gilgamesh_21

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 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArizonaGT_49, AxeJC_47, Cumberbatch_49, Eastland_48, Eklok_48, FrumpyGal_49, HFrancette_48, Ignacio_47, Piccadilly_48, Vondra_47,

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

Genes that do not have the "Most Annotated" start:
• Gilgamesh_21, YDN12_45,

Summary by start number:

Start 6:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gilgamesh_21 (singleton), YDN12_45 (BG),

Start 7:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 10 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArizonaGT_49 (BP), AxeJC_47 (BP), Cumberbatch_49 (BP), Eastland_48 (BP), Eklok_48 (BP), FrumpyGal_49 (BP), HFrancette_48 (BP), Ignacio_47 (BP), Piccadilly_48 (BP), Vondra_47 (BP),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, BG, BP,

Info for manual annotations of cluster BG:
•Start number 6 was manually annotated 1 time for cluster BG.

Info for manual annotations of cluster BP:
•Start number 7 was manually annotated 10 times for cluster BP.

Gene Information:
Gene: ArizonaGT_49 Start: 32249, Stop: 32467, Start Num: 7
Candidate Starts for ArizonaGT_49:
(1, 31925), (2, 31949), (3, 32156), (Start: 7 @32249 has 10 MA's), (11, 32399),

Gene: AxeJC_47 Start: 32027, Stop: 32236, Start Num: 7
Candidate Starts for AxeJC_47:
(Start: 7 @32027 has 10 MA's),

Gene: Cumberbatch_49 Start: 32249, Stop: 32467, Start Num: 7
Candidate Starts for Cumberbatch_49:
(1, 31925), (2, 31949), (3, 32156), (Start: 7 @32249 has 10 MA's), (11, 32399),

Gene: Eastland_48 Start: 32209, Stop: 32427, Start Num: 7
Candidate Starts for Eastland_48:
(1, 31885), (2, 31909), (3, 32116), (Start: 7 @32209 has 10 MA's), (11, 32359),

Gene: Eklok_48 Start: 32008, Stop: 32226, Start Num: 7
Candidate Starts for Eklok_48:
(1, 31684), (2, 31708), (3, 31915), (Start: 7 @32008 has 10 MA's), (11, 32158),

Gene: FrumpyGal_49 Start: 32209, Stop: 32427, Start Num: 7
Candidate Starts for FrumpyGal_49:
(1, 31885), (2, 31909), (3, 32116), (Start: 7 @32209 has 10 MA's), (11, 32359),

Gene: Gilgamesh_21 Start: 13106, Stop: 12825, Start Num: 6
Candidate Starts for Gilgamesh_21:
(3, 13196), (5, 13109), (Start: 6 @13106 has 2 MA's), (8, 13088),

Gene: HFrancette_48 Start: 32550, Stop: 32768, Start Num: 7
Candidate Starts for HFrancette_48:
(Start: 7 @32550 has 10 MA's), (11, 32700),

Gene: Ignacio_47 Start: 32453, Stop: 32671, Start Num: 7
Candidate Starts for Ignacio_47:

(Start: 7 @32453 has 10 MA's), (11, 32603),

Gene: Piccadilly_48 Start: 32208, Stop: 32426, Start Num: 7
Candidate Starts for Piccadilly_48:
(1, 31884), (2, 31908), (3, 32115), (Start: 7 @32208 has 10 MA's), (11, 32358),

Gene: Vondra_47 Start: 31794, Stop: 32012, Start Num: 7
Candidate Starts for Vondra_47:
(Start: 7 @31794 has 10 MA's), (11, 31944),

Gene: YDN12_45 Start: 34681, Stop: 34436, Start Num: 6
Candidate Starts for YDN12_45:
(4, 34759), (Start: 6 @34681 has 2 MA's), (8, 34663), (9, 34645), (10, 34549), (12, 34498), (13, 34477), (14, 34462), (15, 34459), (16, 34447),