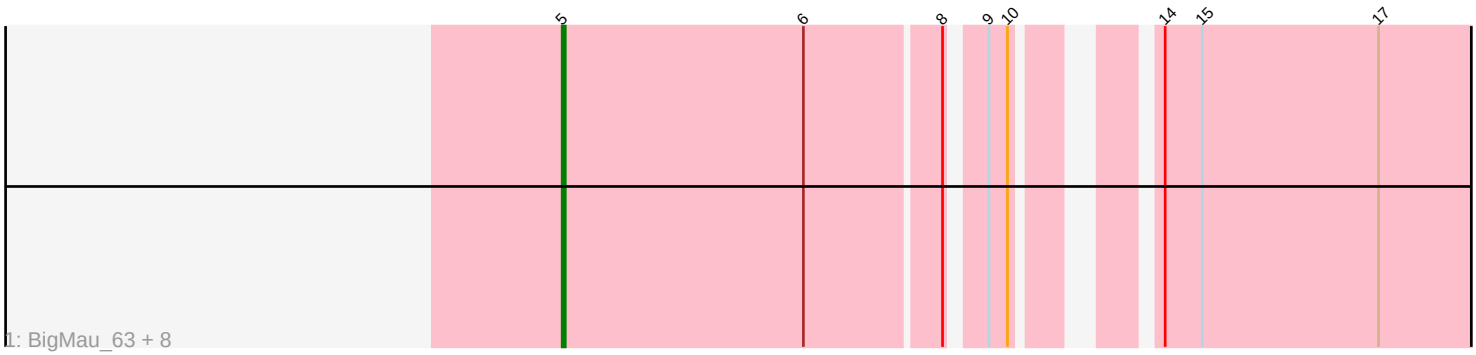
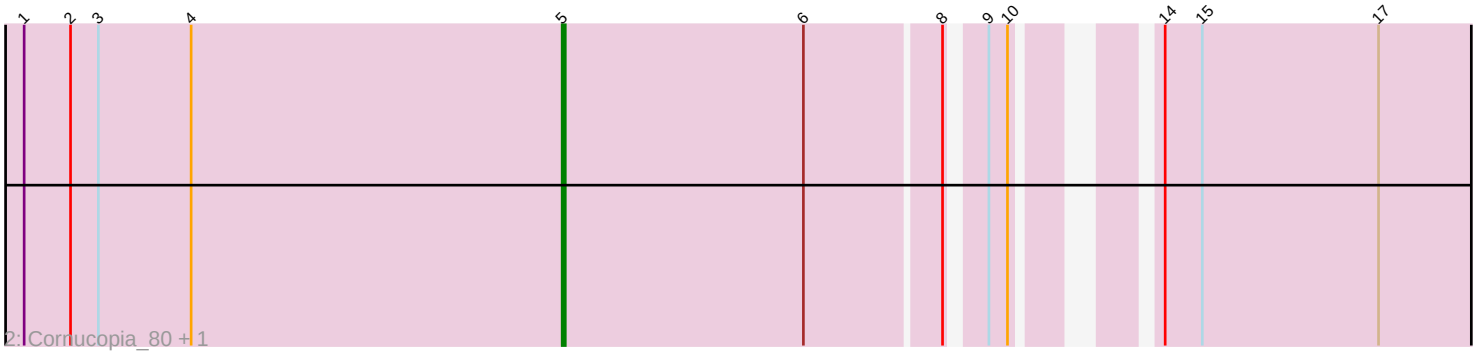
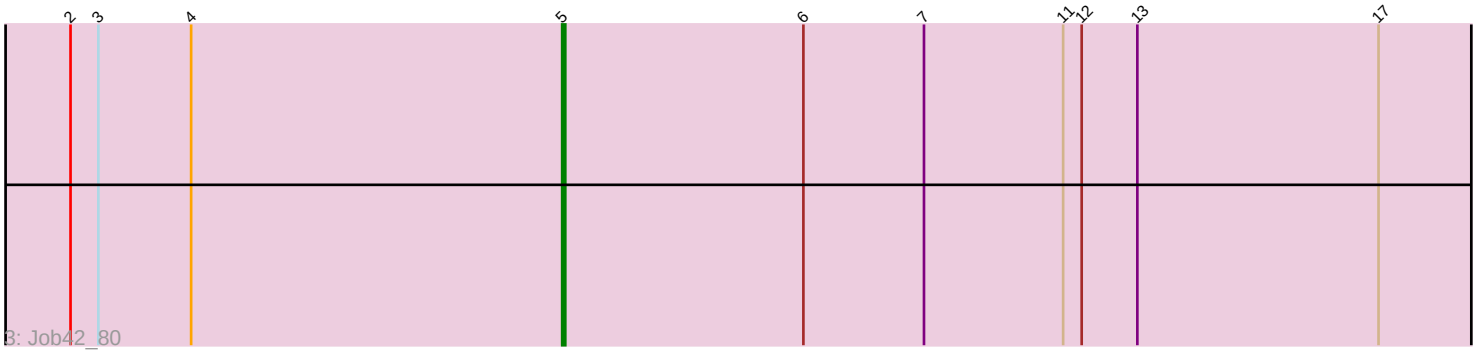
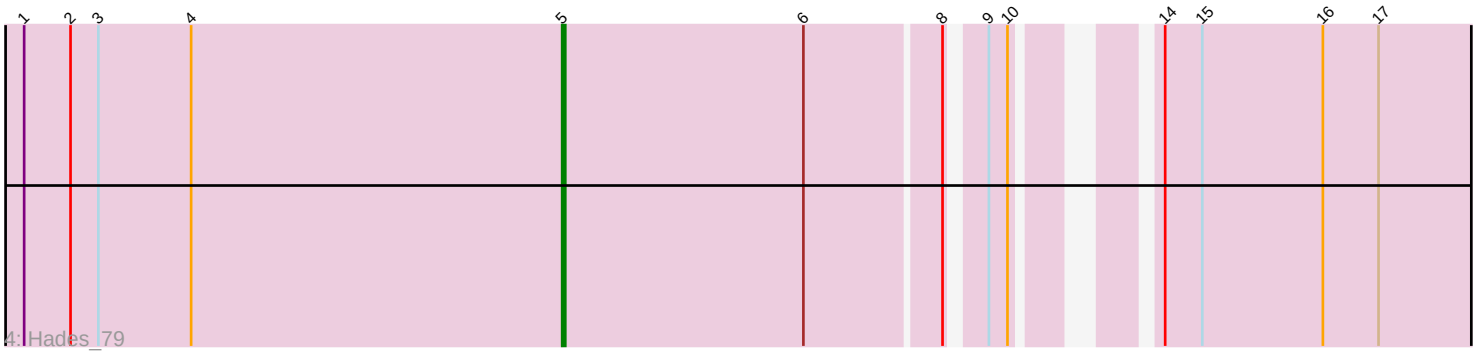
Pham 203477


5
6
8
9
10
14
15
17
1: BigMau_63 + 8


1
2
3
4
5
6
8
9
10
14
15
17
2: Cornucopia_80 + 1


2
3
4
5
6
7
11
12
13
17
3: Job42_80


1
2
3
4
5
6
8
9
10
14
15
16
17
4: Hades_79

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 203477 Report

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

Pham number 203477 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BigMau_63, U2_59, Juniormint_56, Pacc40_72, Ichabod_65, HermioneGrange_63, PinkPlastic_61, Madiba_83, MPlant7149_61
• Track 2 : Cornucopia_80, VRedHorse_79
• Track 3 : Job42_80
• Track 4 : Hades_79

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigMau_63, Cornucopia_80, Hades_79, HermioneGrange_63, Ichabod_65, Job42_80, Juniormint_56, MPlant7149_61, Madiba_83, Pacc40_72, PinkPlastic_61, U2_59, VRedHorse_79,

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 5:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigMau_63 (A1), Cornucopia_80 (F1), Hades_79 (F1), HermioneGrange_63 (A1), Ichabod_65 (A1), Job42_80 (F1), Juniormint_56 (P1), MPlant7149_61 (A1), Madiba_83 (F1), Pacc40_72 (F1), PinkPlastic_61 (A1), U2_59 (A1), VRedHorse_79 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, F1, P1,

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 6 times for cluster A1.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 1 time for cluster P1.

Gene Information:

Gene: BigMau_63 Start: 41412, Stop: 41104, Start Num: 5
Candidate Starts for BigMau_63:
(Start: 5 @41412 has 13 MA's), (6, 41334), (8, 41292), (9, 41283), (10, 41277), (14, 41247), (15, 41235), (17, 41178),

Gene: Cornucopia_80 Start: 47245, Stop: 47553, Start Num: 5
Candidate Starts for Cornucopia_80:
(1, 47071), (2, 47086), (3, 47095), (4, 47125), (Start: 5 @47245 has 13 MA's), (6, 47323), (8, 47365), (9, 47374), (10, 47380), (14, 47410), (15, 47422), (17, 47479),

Gene: Hades_79 Start: 46591, Stop: 46899, Start Num: 5
Candidate Starts for Hades_79:
(1, 46417), (2, 46432), (3, 46441), (4, 46471), (Start: 5 @46591 has 13 MA's), (6, 46669), (8, 46711), (9, 46720), (10, 46726), (14, 46756), (15, 46768), (16, 46807), (17, 46825),

Gene: HermioneGrange_63 Start: 41906, Stop: 41598, Start Num: 5
Candidate Starts for HermioneGrange_63:
(Start: 5 @41906 has 13 MA's), (6, 41828), (8, 41786), (9, 41777), (10, 41771), (14, 41741), (15, 41729), (17, 41672),

Gene: Ichabod_65 Start: 42033, Stop: 41725, Start Num: 5
Candidate Starts for Ichabod_65:
(Start: 5 @42033 has 13 MA's), (6, 41955), (8, 41913), (9, 41904), (10, 41898), (14, 41868), (15, 41856), (17, 41799),

Gene: Job42_80 Start: 51187, Stop: 51525, Start Num: 5
Candidate Starts for Job42_80:
(2, 51028), (3, 51037), (4, 51067), (Start: 5 @51187 has 13 MA's), (6, 51265), (7, 51304), (11, 51349), (12, 51355), (13, 51373), (17, 51451),

Gene: Juniormint_56 Start: 37481, Stop: 37798, Start Num: 5
Candidate Starts for Juniormint_56:
(Start: 5 @37481 has 13 MA's), (6, 37559), (8, 37601), (9, 37610), (10, 37616), (14, 37646), (15, 37658), (17, 37715),

Gene: MPlant7149_61 Start: 39794, Stop: 39486, Start Num: 5
Candidate Starts for MPlant7149_61:

(Start: 5 @39794 has 13 MA's), (6, 39716), (8, 39674), (9, 39665), (10, 39659), (14, 39629), (15, 39617), (17, 39560),

Gene: Madiba_83 Start: 49691, Stop: 49999, Start Num: 5
Candidate Starts for Madiba_83:
(Start: 5 @49691 has 13 MA's), (6, 49769), (8, 49811), (9, 49820), (10, 49826), (14, 49856), (15, 49868), (17, 49925),

Gene: Pacc40_72 Start: 48264, Stop: 48572, Start Num: 5
Candidate Starts for Pacc40_72:
(Start: 5 @48264 has 13 MA's), (6, 48342), (8, 48384), (9, 48393), (10, 48399), (14, 48429), (15, 48441), (17, 48498),

Gene: PinkPlastic_61 Start: 40826, Stop: 40518, Start Num: 5
Candidate Starts for PinkPlastic_61:
(Start: 5 @40826 has 13 MA's), (6, 40748), (8, 40706), (9, 40697), (10, 40691), (14, 40661), (15, 40649), (17, 40592),

Gene: U2_59 Start: 41499, Stop: 41191, Start Num: 5
Candidate Starts for U2_59:
(Start: 5 @41499 has 13 MA's), (6, 41421), (8, 41379), (9, 41370), (10, 41364), (14, 41334), (15, 41322), (17, 41265),

Gene: VRedHorse_79 Start: 46063, Stop: 46371, Start Num: 5
Candidate Starts for VRedHorse_79:
(1, 45889), (2, 45904), (3, 45913), (4, 45943), (Start: 5 @46063 has 13 MA's), (6, 46141), (8, 46183), (9, 46192), (10, 46198), (14, 46228), (15, 46240), (17, 46297),