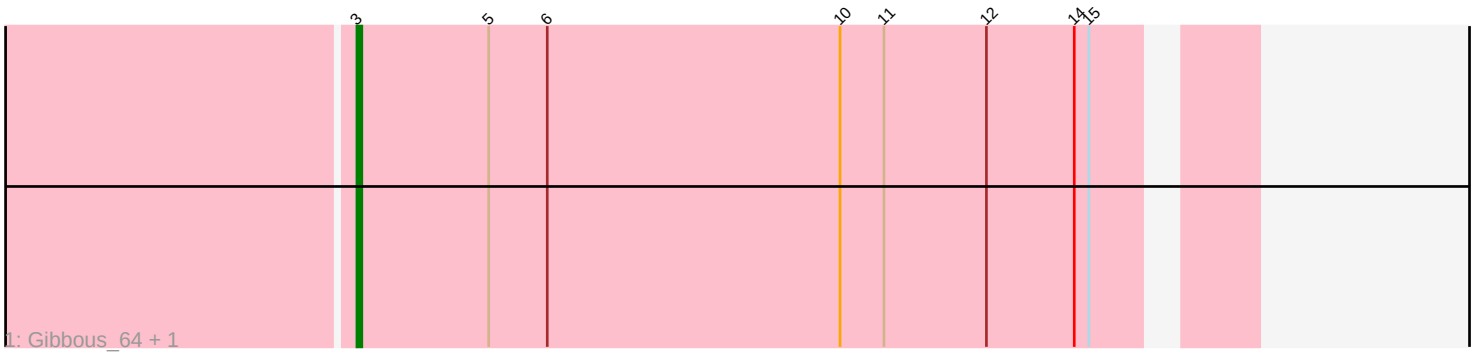
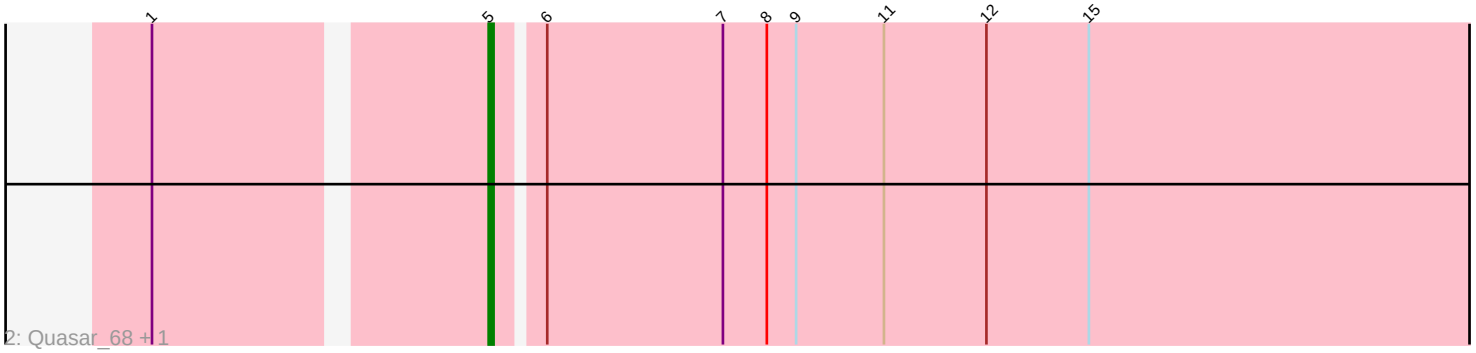
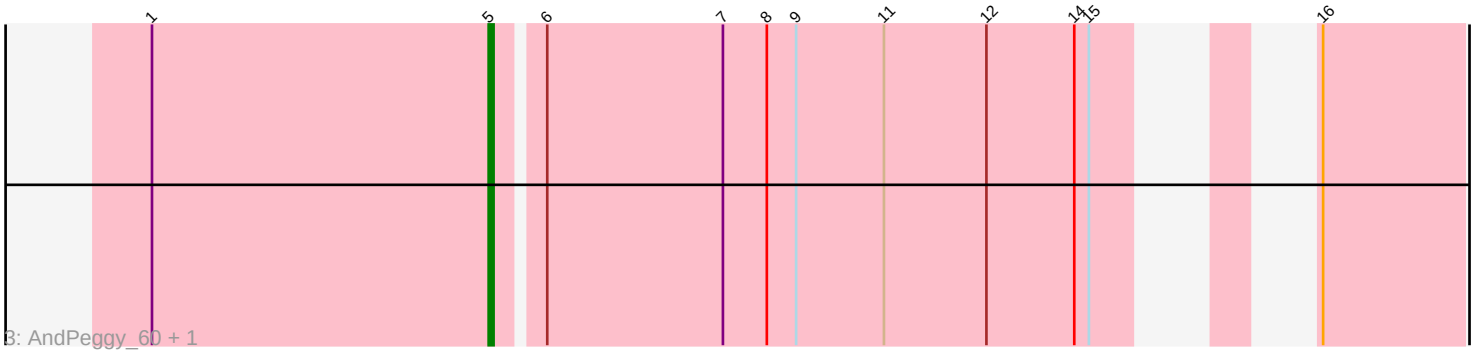
Pham 216880


3
5
6
10
11
12
14
15
1: Gibbous_64 + 1


1
5
6
7
8
9
11
12
15
2: Quasar_68 + 1


1
5
6
7
8
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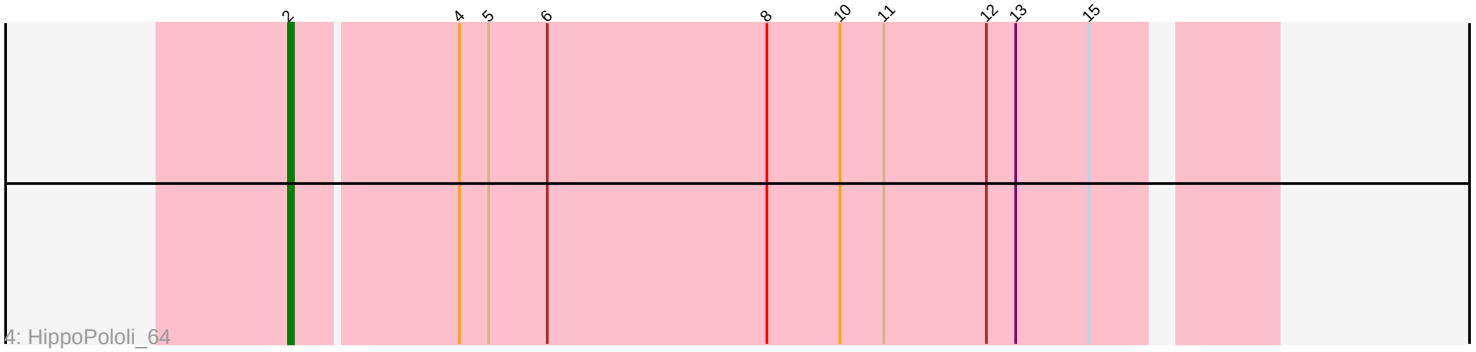
12
14
15
16
3: AndPeggy_60 + 1


2
4
5
6
8
10
11
12
13
15
4: HippoPololi_64

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 216880 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216880 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Gibbous_64, Dre3_64
• Track 2 : Quasar_68, Burnsey_67
• Track 3 : AndPeggy_60, Yarn_61
• Track 4 : HippoPololi_64

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AndPeggy_60, Burnsey_67, Quasar_68, Yarn_61,

Genes that have the "Most Annotated" start but do not call it:
• Dre3_64, Gibbous_64, HippoPololi_64,

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

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HippoPololi_64 (CT),

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dre3_64 (CT), Gibbous_64 (CT),

Start 5:

• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present
• Phage (with cluster) where this start called: AndPeggy_60 (CT), Burnsey_67 (CT), Quasar_68 (CT), Yarn_61 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 2 was manually annotated 1 time for cluster CT.
•Start number 3 was manually annotated 2 times for cluster CT.
•Start number 5 was manually annotated 4 times for cluster CT.

Gene Information:

Gene: AndPeggy_60 Start: 43276, Stop: 43449, Start Num: 5
Candidate Starts for AndPeggy_60:
(1, 43207), (Start: 5 @43276 has 4 MA's), (6, 43285), (7, 43321), (8, 43330), (9, 43336), (11, 43354), (12, 43375), (14, 43393), (15, 43396), (16, 43414),

Gene: Burnsey_67 Start: 44874, Stop: 45083, Start Num: 5
Candidate Starts for Burnsey_67:
(1, 44811), (Start: 5 @44874 has 4 MA's), (6, 44883), (7, 44919), (8, 44928), (9, 44934), (11, 44952), (12, 44973), (15, 44994),

Gene: Dre3_64 Start: 44202, Stop: 44378, Start Num: 3
Candidate Starts for Dre3_64:
(Start: 3 @44202 has 2 MA's), (Start: 5 @44229 has 4 MA's), (6, 44241), (10, 44301), (11, 44310), (12, 44331), (14, 44349), (15, 44352),

Gene: Gibbous_64 Start: 44202, Stop: 44378, Start Num: 3
Candidate Starts for Gibbous_64:
(Start: 3 @44202 has 2 MA's), (Start: 5 @44229 has 4 MA's), (6, 44241), (10, 44301), (11, 44310), (12, 44331), (14, 44349), (15, 44352),

Gene: HippoPololi_64 Start: 43762, Stop: 43956, Start Num: 2
Candidate Starts for HippoPololi_64:
(Start: 2 @43762 has 1 MA's), (4, 43795), (Start: 5 @43801 has 4 MA's), (6, 43813), (8, 43858), (10, 43873), (11, 43882), (12, 43903), (13, 43909), (15, 43924),

Gene: Quasar_68 Start: 45648, Stop: 45857, Start Num: 5
Candidate Starts for Quasar_68:
(1, 45585), (Start: 5 @45648 has 4 MA's), (6, 45657), (7, 45693), (8, 45702), (9, 45708), (11, 45726), (12, 45747), (15, 45768),

Gene: Yarn_61 Start: 43281, Stop: 43460, Start Num: 5
Candidate Starts for Yarn_61:
(1, 43212), (Start: 5 @43281 has 4 MA's), (6, 43290), (7, 43326), (8, 43335), (9, 43341), (11, 43359), (12, 43380), (14, 43398), (15, 43401), (16, 43425),