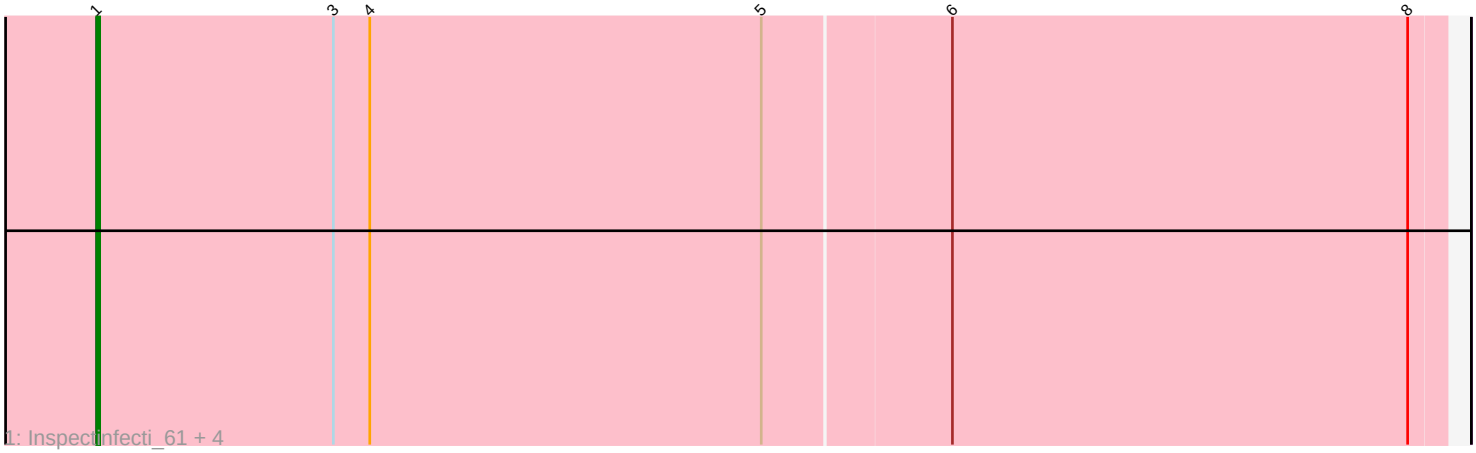
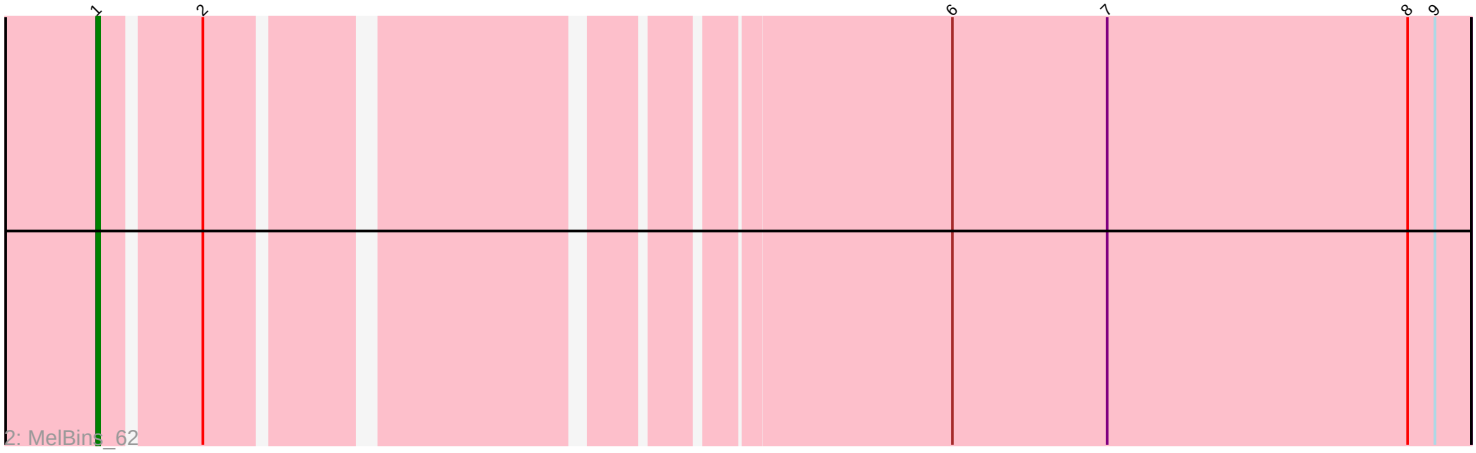
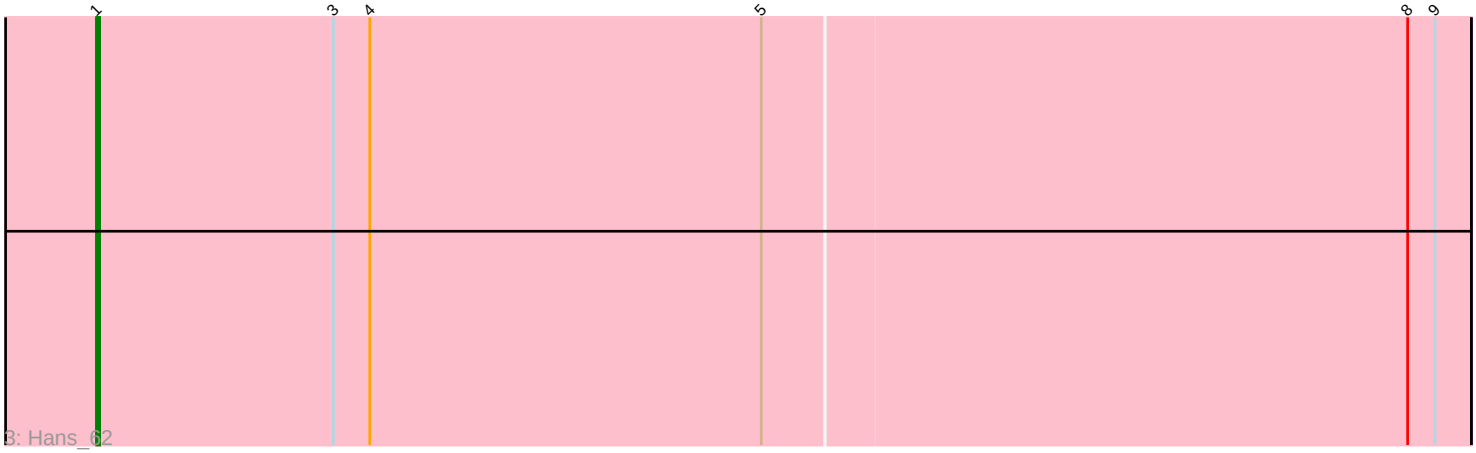
Pham 88051


1
3
4
5
6
8
1: Inspectinfecti_61 + 4


1
2
6
7
8
9
2: MelBins_62


1
3
4
5
8
9
3: Hans_62

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 88051 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88051 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Inspectinfecti_61, Phinally_60, Phauci_53, Leonard_60, Ali17_58
• Track 2 : MelBins_62
• Track 3 : Hans_62

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ali17_58, Hans_62, Inspectinfecti_61, Leonard_60, MelBins_62, Phauci_53, Phinally_60,

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 1:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ali17_58 (DE2), Hans_62 (DE2), Inspectinfecti_61 (DE2), Leonard_60 (DE2), MelBins_62 (DE2), Phauci_53 (DE2), Phinally_60 (DE2),

Summary by clusters:

There is one cluster represented in this pham: DE2

Info for manual annotations of cluster DE2:

•Start number 1 was manually annotated 6 times for cluster DE2.

Gene Information:

Gene: Ali17_58 Start: 47226, Stop: 47666, Start Num: 1
Candidate Starts for Ali17_58:
(Start: 1 @47226 has 6 MA's), (3, 47304), (4, 47316), (5, 47445), (6, 47505), (8, 47655),

Gene: Hans_62 Start: 47953, Stop: 48402, Start Num: 1
Candidate Starts for Hans_62:
(Start: 1 @47953 has 6 MA's), (3, 48031), (4, 48043), (5, 48172), (8, 48382), (9, 48391),

Gene: Inspectinfecti_61 Start: 48075, Stop: 48515, Start Num: 1
Candidate Starts for Inspectinfecti_61:
(Start: 1 @48075 has 6 MA's), (3, 48153), (4, 48165), (5, 48294), (6, 48354), (8, 48504),

Gene: Leonard_60 Start: 48152, Stop: 48592, Start Num: 1
Candidate Starts for Leonard_60:
(Start: 1 @48152 has 6 MA's), (3, 48230), (4, 48242), (5, 48371), (6, 48431), (8, 48581),

Gene: MelBins_62 Start: 48413, Stop: 48829, Start Num: 1
Candidate Starts for MelBins_62:
(Start: 1 @48413 has 6 MA's), (2, 48443), (6, 48659), (7, 48710), (8, 48809), (9, 48818),

Gene: Phauci_53 Start: 45001, Stop: 45441, Start Num: 1
Candidate Starts for Phauci_53:
(Start: 1 @45001 has 6 MA's), (3, 45079), (4, 45091), (5, 45220), (6, 45280), (8, 45430),

Gene: Phinally_60 Start: 48149, Stop: 48589, Start Num: 1
Candidate Starts for Phinally_60:
(Start: 1 @48149 has 6 MA's), (3, 48227), (4, 48239), (5, 48368), (6, 48428), (8, 48578),