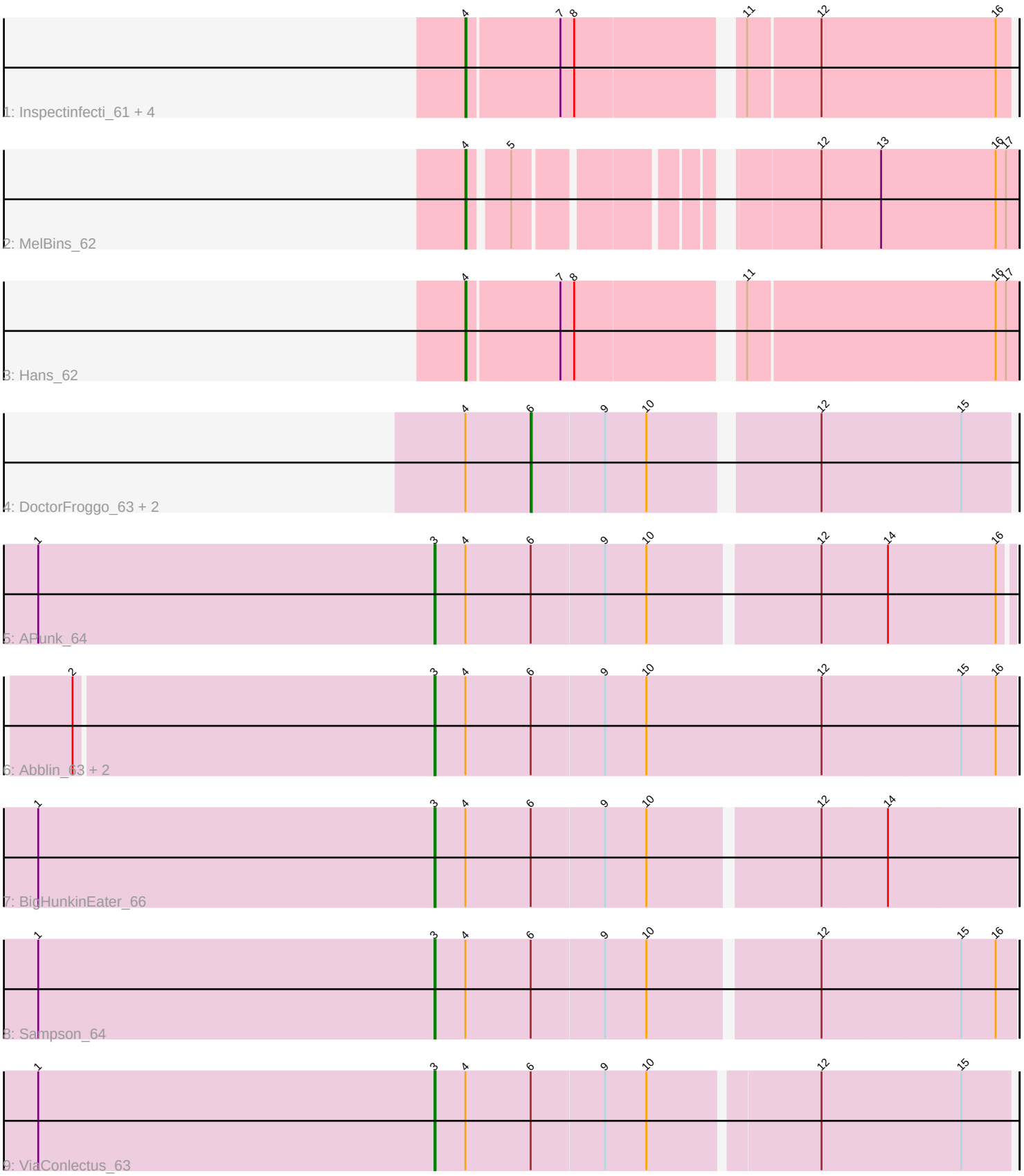
Pham 344482


4
7
8
11
12
16
1: Inspectinfecti_61 + 4
4
5
12
13
16
17
2: MelBins_62
4
7
8
11
16
17
3: Hans_62
4
6
9
10
12
15
4: DoctorFroggo_63 + 2
1
3
4
6
9
10
12
14
16
5: APunk_64
2
3
4
6
9
10
12
15
16
6: Abblin_63 + 2
1
3
4
6
9
10
12
14
7: BigHunkinEater_66
1
3
4
6
9
10
12
15
16
8: Sampson_64
1
3
4
6
9
10
12
15
9: ViaConlectus_63

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 344482 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344482 has 17 members, 0 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
• Track 4 : DoctorFroggo_63, Verity_63, Delrey21_63
• Track 5 : APunk_64
• Track 6 : Abblin_63, Scioto_64, Natkenzie_63
• Track 7 : BigHunkinEater_66
• Track 8 : Sampson_64
• Track 9 : ViaConlectus_63

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_64, Abblin_63, BigHunkinEater_66, Natkenzie_63, Sampson_64, Scioto_64, ViaConlectus_63,

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

Genes that do not have the "Most Annotated" start:
• Ali17_58, Delrey21_63, DoctorFroggo_63, Hans_62, Inspectinfecti_61, Leonard_60, MelBins_62, Phauci_53, Phinally_60, Verity_63,

Summary by start number:

Start 3:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 7 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_64 (DE4), Abblin_63 (DE4), BigHunkinEater_66 (DE4), Natkenzie_63 (DE4), Sampson_64 (DE4), Scioto_64

(DE4), ViaConlectus_63 (DE4),

Start 4:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 17
• Called 41.2% 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),

Start 6:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 3 of 17
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Delrey21_63 (DE4), DoctorFroggo_63 (DE4), Verity_63 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DE4,

Info for manual annotations of cluster DE2:
•Start number 4 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE4:
•Start number 3 was manually annotated 7 times for cluster DE4.
•Start number 6 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: APunk_64 Start: 48715, Stop: 49200, Start Num: 3
Candidate Starts for APunk_64:
(1, 48370), (Start: 3 @48715 has 7 MA's), (Start: 4 @48742 has 7 MA's), (Start: 6 @48799 has 3 MA's), (9, 48862), (10, 48898), (12, 49039), (14, 49096), (16, 49189),

Gene: Abblin_63 Start: 48864, Stop: 49367, Start Num: 3
Candidate Starts for Abblin_63:
(2, 48555), (Start: 3 @48864 has 7 MA's), (Start: 4 @48891 has 7 MA's), (Start: 6 @48948 has 3 MA's), (9, 49011), (10, 49047), (12, 49200), (15, 49320), (16, 49350),

Gene: Ali17_58 Start: 47226, Stop: 47666, Start Num: 4
Candidate Starts for Ali17_58:
(Start: 4 @47226 has 7 MA's), (7, 47304), (8, 47316), (11, 47445), (12, 47505), (16, 47655),

Gene: BigHunkinEater_66 Start: 48430, Stop: 48921, Start Num: 3
Candidate Starts for BigHunkinEater_66:
(1, 48085), (Start: 3 @48430 has 7 MA's), (Start: 4 @48457 has 7 MA's), (Start: 6 @48514 has 3 MA's), (9, 48577), (10, 48613), (12, 48754), (14, 48811),

Gene: Delrey21_63 Start: 50058, Stop: 50453, Start Num: 6
Candidate Starts for Delrey21_63:

(Start: 4 @50001 has 7 MA's), (Start: 6 @50058 has 3 MA's), (9, 50121), (10, 50157), (12, 50292), (15, 50412),

Gene: DoctorFroggo_63 Start: 50058, Stop: 50453, Start Num: 6
Candidate Starts for DoctorFroggo_63:
(Start: 4 @50001 has 7 MA's), (Start: 6 @50058 has 3 MA's), (9, 50121), (10, 50157), (12, 50292), (15, 50412),

Gene: Hans_62 Start: 47953, Stop: 48402, Start Num: 4
Candidate Starts for Hans_62:
(Start: 4 @47953 has 7 MA's), (7, 48031), (8, 48043), (11, 48172), (16, 48382), (17, 48391),

Gene: Inspectinfecti_61 Start: 48075, Stop: 48515, Start Num: 4
Candidate Starts for Inspectinfecti_61:
(Start: 4 @48075 has 7 MA's), (7, 48153), (8, 48165), (11, 48294), (12, 48354), (16, 48504),

Gene: Leonard_60 Start: 48152, Stop: 48592, Start Num: 4
Candidate Starts for Leonard_60:
(Start: 4 @48152 has 7 MA's), (7, 48230), (8, 48242), (11, 48371), (12, 48431), (16, 48581),

Gene: MelBins_62 Start: 48413, Stop: 48829, Start Num: 4
Candidate Starts for MelBins_62:
(Start: 4 @48413 has 7 MA's), (5, 48443), (12, 48659), (13, 48710), (16, 48809), (17, 48818),

Gene: Natkenzie_63 Start: 48864, Stop: 49367, Start Num: 3
Candidate Starts for Natkenzie_63:
(2, 48555), (Start: 3 @48864 has 7 MA's), (Start: 4 @48891 has 7 MA's), (Start: 6 @48948 has 3 MA's), (9, 49011), (10, 49047), (12, 49200), (15, 49320), (16, 49350),

Gene: Phauci_53 Start: 45001, Stop: 45441, Start Num: 4
Candidate Starts for Phauci_53:
(Start: 4 @45001 has 7 MA's), (7, 45079), (8, 45091), (11, 45220), (12, 45280), (16, 45430),

Gene: Phinally_60 Start: 48149, Stop: 48589, Start Num: 4
Candidate Starts for Phinally_60:
(Start: 4 @48149 has 7 MA's), (7, 48227), (8, 48239), (11, 48368), (12, 48428), (16, 48578),

Gene: Sampson_64 Start: 49027, Stop: 49518, Start Num: 3
Candidate Starts for Sampson_64:
(1, 48682), (Start: 3 @49027 has 7 MA's), (Start: 4 @49054 has 7 MA's), (Start: 6 @49111 has 3 MA's), (9, 49174), (10, 49210), (12, 49351), (15, 49471), (16, 49501),

Gene: Scioto_64 Start: 48865, Stop: 49368, Start Num: 3
Candidate Starts for Scioto_64:
(2, 48556), (Start: 3 @48865 has 7 MA's), (Start: 4 @48892 has 7 MA's), (Start: 6 @48949 has 3 MA's), (9, 49012), (10, 49048), (12, 49201), (15, 49321), (16, 49351),

Gene: Verity_63 Start: 50058, Stop: 50453, Start Num: 6
Candidate Starts for Verity_63:
(Start: 4 @50001 has 7 MA's), (Start: 6 @50058 has 3 MA's), (9, 50121), (10, 50157), (12, 50292), (15, 50412),

Gene: ViaConlectus_63 Start: 47858, Stop: 48343, Start Num: 3

Candidate Starts for ViaConlectus_63:
(1, 47513), (Start: 3 @47858 has 7 MA's), (Start: 4 @47885 has 7 MA's), (Start: 6 @47942 has 3 MA's), (9, 48005), (10, 48041), (12, 48182), (15, 48302),