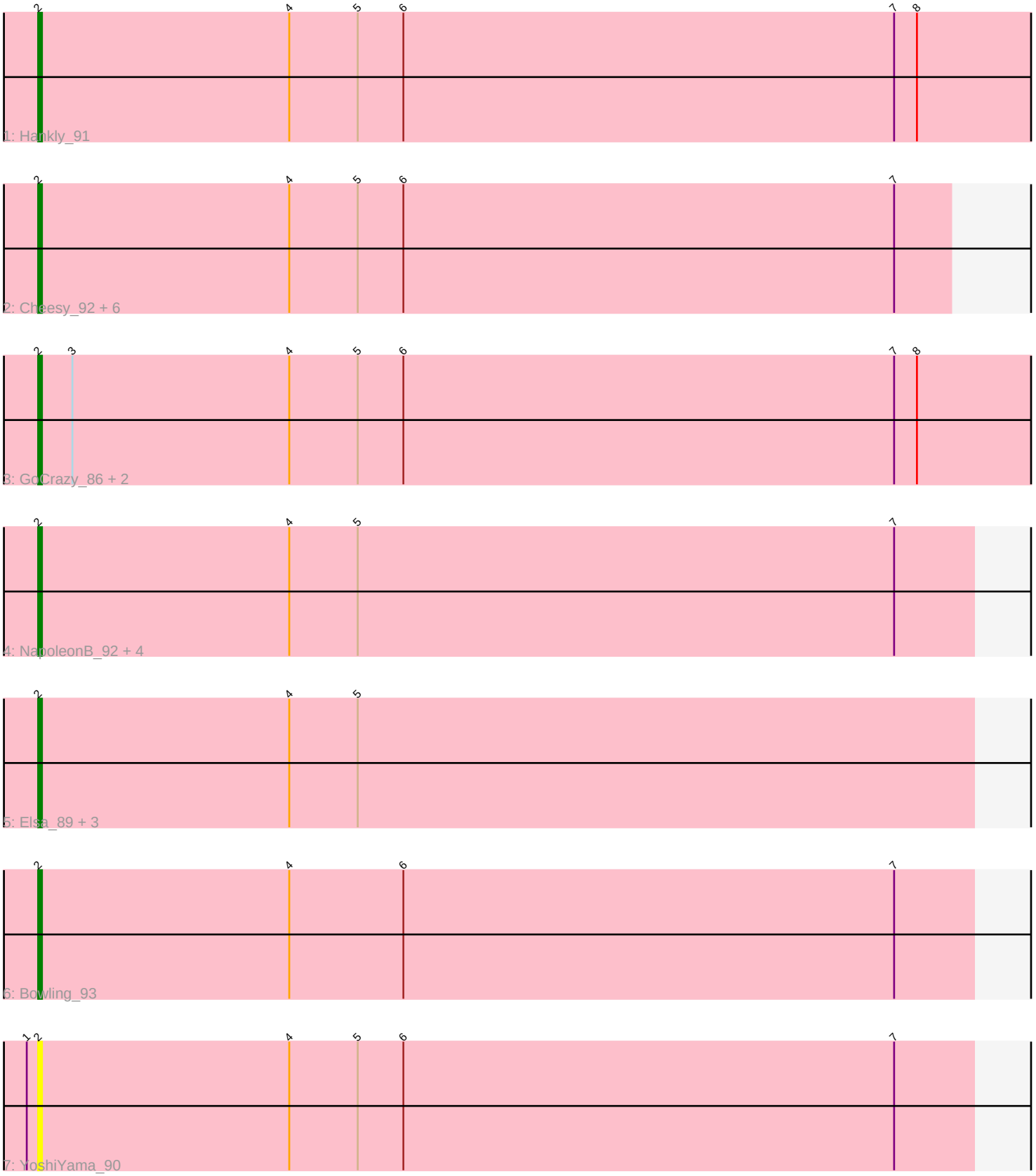
Pham 342551


2
4
5
6
7
8
1: Hankly_91
2
4
5
6
7
2: Cheesy_92 + 6
2
3
4
5
6
7
8
3: GoCrazy_86 + 2
2
4
5
7
4: NapoleonB_92 + 4
2
4
5
5: Elsa_89 + 3
2
4
6
7
6: Bowling_93
1
2
4
5
6
7
7: YoshiYama_90

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 342551 Report

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

Pham number 342551 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hankly_91
• Track 2 : Cheesy_92, JEGGS_90, Heisenberger_90, Kardesai_90, Benllo_87, Mooshroom_91, Tribby_93
• Track 3 : GoCrazy_86, Circum_91, KeaneyLin_88
• Track 4 : NapoleonB_92, BenitoAntonio_89, Xenomorph_86, Dynamite_91, Mudcat_86
• Track 5 : Elsa_89, Correa_87, Arcadia_89, Nason_89
• Track 6 : Bowling_93
• Track 7 : YoshiYama_90

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

The start number called the most often in the published annotations is 2, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_89, BenitoAntonio_89, Benllo_87, Bowling_93, Cheesy_92, Circum_91, Correa_87, Dynamite_91, Elsa_89, GoCrazy_86, Hankly_91, Heisenberger_90, JEGGS_90, Kardesai_90, KeaneyLin_88, Mooshroom_91, Mudcat_86, NapoleonB_92, Nason_89, Tribby_93, Xenomorph_86, YoshiYama_90,

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 2:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Arcadia_89 (AM), BenitoAntonio_89 (AM), Benllo_87 (AM), Bowling_93 (AM), Cheesy_92 (AM), Circum_91 (AM), Correa_87 (AM), Dynamite_91 (AM), Elsa_89 (AM), GoCrazy_86 (AM), Hankly_91 (AM), Heisenberger_90 (AM), JEGGS_90 (AM), Kardesai_90 (AM), KeaneyLin_88 (AM), Mooshroom_91 (AM), Mudcat_86 (AM), NapoleonB_92 (AM), Nason_89 (AM), Tribby_93 (AM), Xenomorph_86 (AM), YoshiYama_90 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 2 was manually annotated 21 times for cluster AM.

Gene Information:

Gene: Arcadia_89 Start: 52318, Stop: 52563, Start Num: 2
Candidate Starts for Arcadia_89:
(Start: 2 @52318 has 21 MA's), (4, 52384), (5, 52402),

Gene: BenitoAntonio_89 Start: 52042, Stop: 52281, Start Num: 2
Candidate Starts for BenitoAntonio_89:
(Start: 2 @52042 has 21 MA's), (4, 52108), (5, 52126), (7, 52267),

Gene: Benllo_87 Start: 52696, Stop: 52941, Start Num: 2
Candidate Starts for Benllo_87:
(Start: 2 @52696 has 21 MA's), (4, 52762), (5, 52780), (6, 52792), (7, 52921),

Gene: Bowling_93 Start: 53229, Stop: 53474, Start Num: 2
Candidate Starts for Bowling_93:
(Start: 2 @53229 has 21 MA's), (4, 53295), (6, 53325), (7, 53454),

Gene: Cheesy_92 Start: 52787, Stop: 53026, Start Num: 2
Candidate Starts for Cheesy_92:
(Start: 2 @52787 has 21 MA's), (4, 52853), (5, 52871), (6, 52883), (7, 53012),

Gene: Circum_91 Start: 52762, Stop: 53025, Start Num: 2
Candidate Starts for Circum_91:
(Start: 2 @52762 has 21 MA's), (3, 52771), (4, 52828), (5, 52846), (6, 52858), (7, 52987), (8, 52993),

Gene: Correa_87 Start: 51667, Stop: 51912, Start Num: 2
Candidate Starts for Correa_87:
(Start: 2 @51667 has 21 MA's), (4, 51733), (5, 51751),

Gene: Dynamite_91 Start: 52247, Stop: 52492, Start Num: 2
Candidate Starts for Dynamite_91:
(Start: 2 @52247 has 21 MA's), (4, 52313), (5, 52331), (7, 52472),

Gene: Elsa_89 Start: 52318, Stop: 52563, Start Num: 2
Candidate Starts for Elsa_89:
(Start: 2 @52318 has 21 MA's), (4, 52384), (5, 52402),

Gene: GoCrazy_86 Start: 50946, Stop: 51209, Start Num: 2
Candidate Starts for GoCrazy_86:
(Start: 2 @50946 has 21 MA's), (3, 50955), (4, 51012), (5, 51030), (6, 51042), (7, 51171), (8, 51177),

Gene: Hankly_91 Start: 52131, Stop: 52394, Start Num: 2
Candidate Starts for Hankly_91:
(Start: 2 @52131 has 21 MA's), (4, 52197), (5, 52215), (6, 52227), (7, 52356), (8, 52362),

Gene: Heisenberger_90 Start: 52252, Stop: 52491, Start Num: 2
Candidate Starts for Heisenberger_90:
(Start: 2 @52252 has 21 MA's), (4, 52318), (5, 52336), (6, 52348), (7, 52477),

Gene: JEGGS_90 Start: 52331, Stop: 52570, Start Num: 2
Candidate Starts for JEGGS_90:
(Start: 2 @52331 has 21 MA's), (4, 52397), (5, 52415), (6, 52427), (7, 52556),

Gene: Kardesai_90 Start: 51735, Stop: 51980, Start Num: 2
Candidate Starts for Kardesai_90:
(Start: 2 @51735 has 21 MA's), (4, 51801), (5, 51819), (6, 51831), (7, 51960),

Gene: KeaneyLin_88 Start: 51984, Stop: 52247, Start Num: 2
Candidate Starts for KeaneyLin_88:
(Start: 2 @51984 has 21 MA's), (3, 51993), (4, 52050), (5, 52068), (6, 52080), (7, 52209), (8, 52215),

Gene: Mooshroom_91 Start: 51735, Stop: 51980, Start Num: 2
Candidate Starts for Mooshroom_91:
(Start: 2 @51735 has 21 MA's), (4, 51801), (5, 51819), (6, 51831), (7, 51960),

Gene: Mudcat_86 Start: 53486, Stop: 53725, Start Num: 2
Candidate Starts for Mudcat_86:
(Start: 2 @53486 has 21 MA's), (4, 53552), (5, 53570), (7, 53711),

Gene: NapoleonB_92 Start: 52247, Stop: 52492, Start Num: 2
Candidate Starts for NapoleonB_92:
(Start: 2 @52247 has 21 MA's), (4, 52313), (5, 52331), (7, 52472),

Gene: Nason_89 Start: 52318, Stop: 52563, Start Num: 2
Candidate Starts for Nason_89:
(Start: 2 @52318 has 21 MA's), (4, 52384), (5, 52402),

Gene: Tribby_93 Start: 53122, Stop: 53361, Start Num: 2
Candidate Starts for Tribby_93:
(Start: 2 @53122 has 21 MA's), (4, 53188), (5, 53206), (6, 53218), (7, 53347),

Gene: Xenomorph_86 Start: 52536, Stop: 52769, Start Num: 2
Candidate Starts for Xenomorph_86:
(Start: 2 @52536 has 21 MA's), (4, 52602), (5, 52620), (7, 52761),

Gene: YoshiYama_90 Start: 52893, Stop: 53138, Start Num: 2
Candidate Starts for YoshiYama_90:
(1, 52890), (Start: 2 @52893 has 21 MA's), (4, 52959), (5, 52977), (6, 52989), (7, 53118),