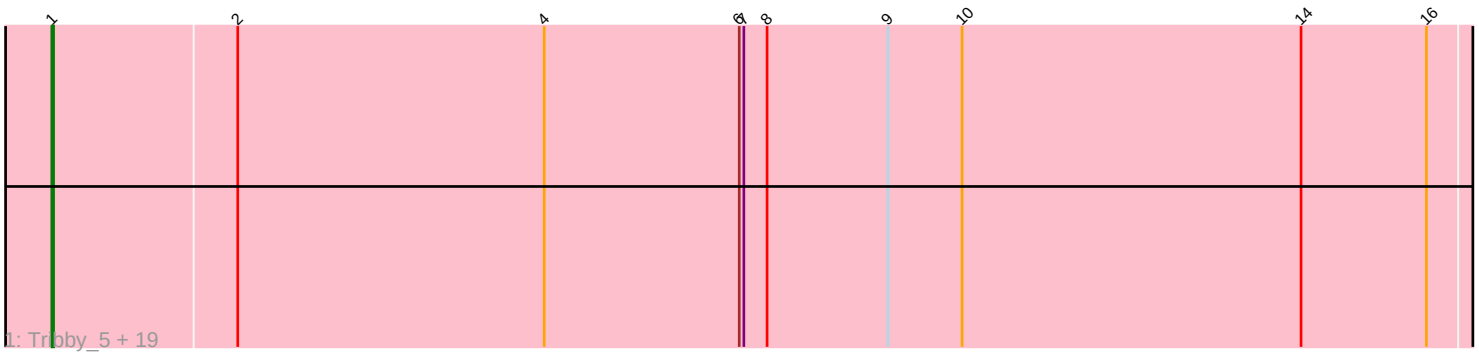
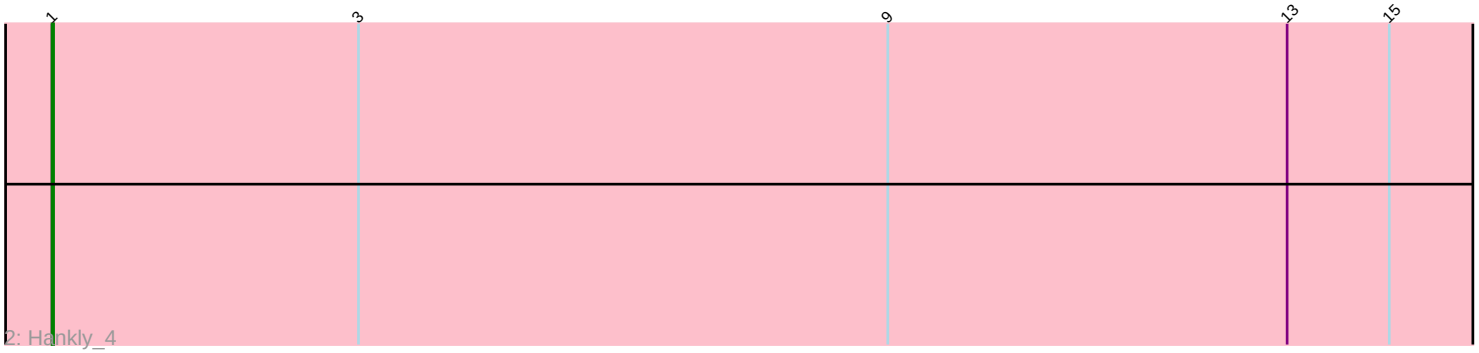
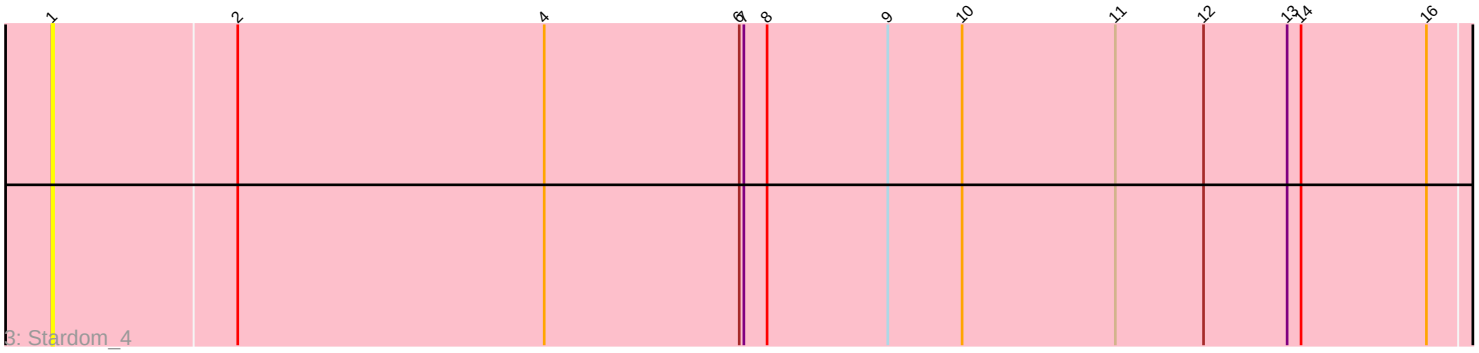
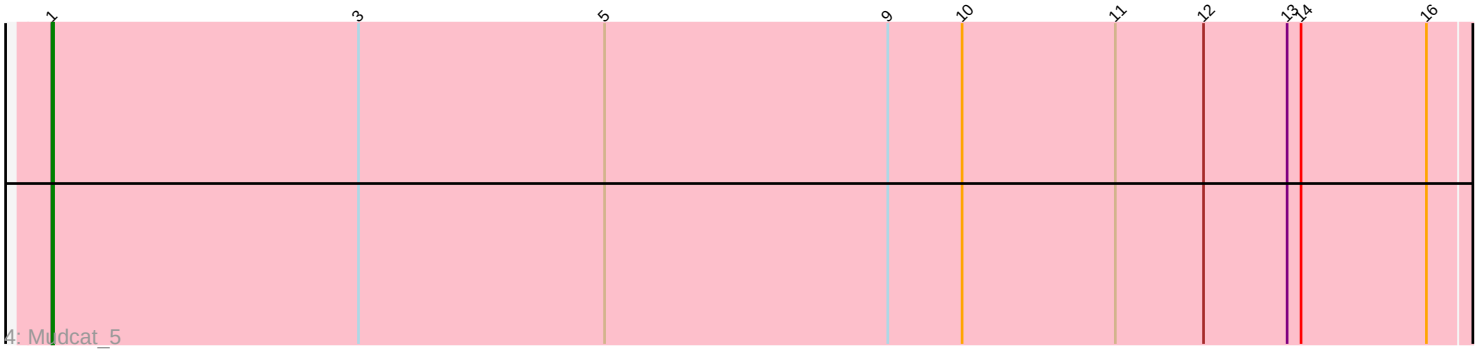
Pham 311993


1
2
4
6
7
8
9
10
14
16
1: Tribby_5 + 19


1
3
9
13
15
2: Hankly_4


1
2
4
6
7
8
9
10
11
12
13
14
16
3: Stardom_4


1
3
5
9
10
11
12
13
14
16
4: Mudcat_5

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 311993 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311993 has 23 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Tribby_5, Dynamite_5, Circum_5, Mooshroom_5, KeaneyLin_4, Heisenberger_5, Kardesai_4, Benllo_4, Xenomorph_4, Arcadia_5, Bowling_5, BenitoAntonio_5, YoshiYama_4, NapoleonB_5, Correa_5, Cheesy_5, Nason_5, Elsa_5, GoCrazy_4, JEGGS_5
• Track 2 : Hankly_4
• Track 3 : Stardom_4
• Track 4 : Mudcat_5

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_5, BenitoAntonio_5, Benllo_4, Bowling_5, Cheesy_5, Circum_5, Correa_5, Dynamite_5, Elsa_5, GoCrazy_4, Hankly_4, Heisenberger_5, JEGGS_5, Kardesai_4, KeaneyLin_4, Mooshroom_5, Mudcat_5, NapoleonB_5, Nason_5, Stardom_4, Tribby_5, Xenomorph_4, YoshiYama_4,

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 23 of 23 (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_5 (AM), BenitoAntonio_5 (AM), Benllo_4 (AM), Bowling_5 (AM), Cheesy_5 (AM), Circum_5 (AM), Correa_5 (AM), Dynamite_5 (AM), Elsa_5 (AM), GoCrazy_4 (AM), Hankly_4 (AM), Heisenberger_5

(AM), JEGGS_5 (AM), Kardesai_4 (AM), KeaneyLin_4 (AM), Mooshroom_5 (AM), Mudcat_5 (AM), NapoleonB_5 (AM), Nason_5 (AM), Stardom_4 (AM), Tribby_5 (AM), Xenomorph_4 (AM), YoshiYama_4 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 1 was manually annotated 21 times for cluster AM.

Gene Information:

Gene: Arcadia_5 Start: 1896, Stop: 2822, Start Num: 1
Candidate Starts for Arcadia_5:
(Start: 1 @1896 has 21 MA's), (2, 2013), (4, 2211), (6, 2337), (7, 2340), (8, 2355), (9, 2433), (10, 2481), (14, 2700), (16, 2781),

Gene: BenitoAntonio_5 Start: 1504, Stop: 2430, Start Num: 1
Candidate Starts for BenitoAntonio_5:
(Start: 1 @1504 has 21 MA's), (2, 1621), (4, 1819), (6, 1945), (7, 1948), (8, 1963), (9, 2041), (10, 2089), (14, 2308), (16, 2389),

Gene: Benllo_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Benllo_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Bowling_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Bowling_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Cheesy_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Cheesy_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Circum_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Circum_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Correa_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Correa_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Dynamite_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Dynamite_5:

(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Elsa_5 Start: 1896, Stop: 2822, Start Num: 1
Candidate Starts for Elsa_5:
(Start: 1 @1896 has 21 MA's), (2, 2013), (4, 2211), (6, 2337), (7, 2340), (8, 2355), (9, 2433), (10, 2481), (14, 2700), (16, 2781),

Gene: GoCrazy_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for GoCrazy_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Hankly_4 Start: 1506, Stop: 2456, Start Num: 1
Candidate Starts for Hankly_4:
(Start: 1 @1506 has 21 MA's), (3, 1704), (9, 2046), (13, 2304), (15, 2370),

Gene: Heisenberger_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Heisenberger_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: JEGGS_5 Start: 1508, Stop: 2434, Start Num: 1
Candidate Starts for JEGGS_5:
(Start: 1 @1508 has 21 MA's), (2, 1625), (4, 1823), (6, 1949), (7, 1952), (8, 1967), (9, 2045), (10, 2093), (14, 2312), (16, 2393),

Gene: Kardesai_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Kardesai_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: KeaneyLin_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for KeaneyLin_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Mooshroom_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Mooshroom_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Mudcat_5 Start: 1504, Stop: 2433, Start Num: 1
Candidate Starts for Mudcat_5:
(Start: 1 @1504 has 21 MA's), (3, 1702), (5, 1861), (9, 2044), (10, 2092), (11, 2191), (12, 2248), (13, 2302), (14, 2311), (16, 2392),

Gene: NapoleonB_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for NapoleonB_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Nason_5 Start: 1896, Stop: 2822, Start Num: 1

Candidate Starts for Nason_5:
(Start: 1 @1896 has 21 MA's), (2, 2013), (4, 2211), (6, 2337), (7, 2340), (8, 2355), (9, 2433), (10, 2481), (14, 2700), (16, 2781),

Gene: Stardom_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Stardom_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (11, 2190), (12, 2247), (13, 2301), (14, 2310), (16, 2391),

Gene: Tribby_5 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Tribby_5:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: Xenomorph_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for Xenomorph_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),

Gene: YoshiYama_4 Start: 1506, Stop: 2432, Start Num: 1
Candidate Starts for YoshiYama_4:
(Start: 1 @1506 has 21 MA's), (2, 1623), (4, 1821), (6, 1947), (7, 1950), (8, 1965), (9, 2043), (10, 2091), (14, 2310), (16, 2391),