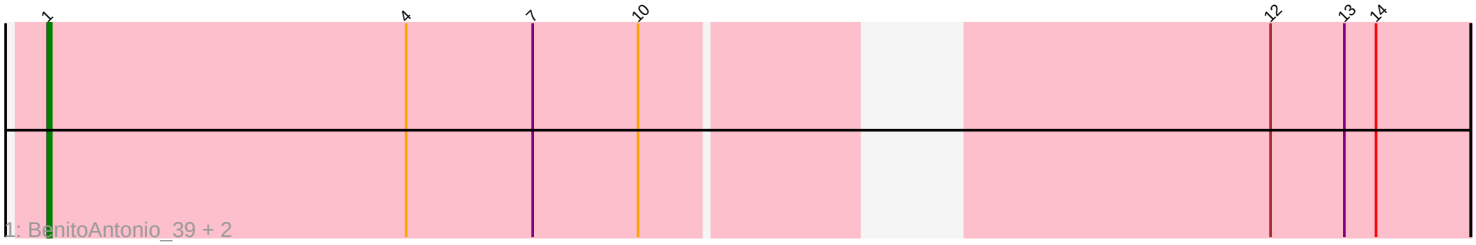
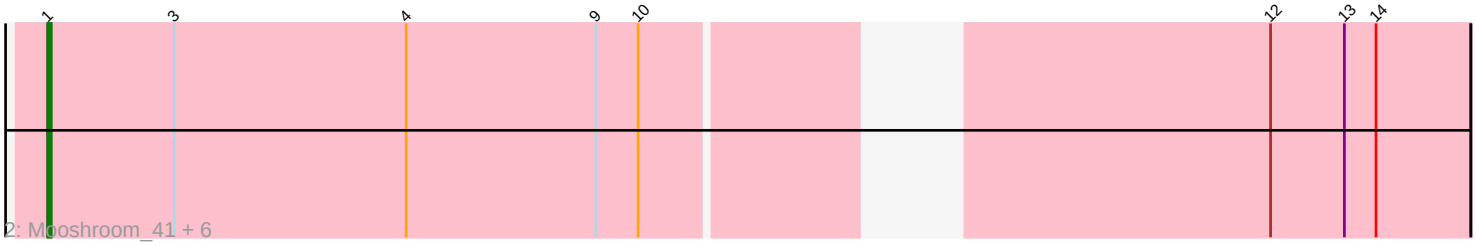
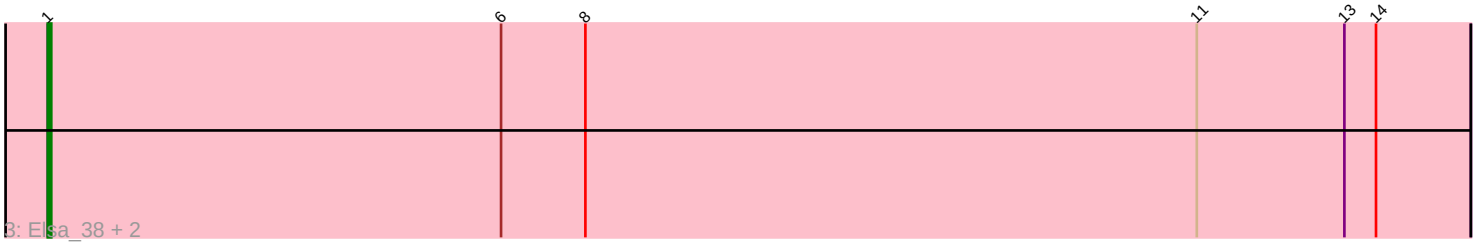
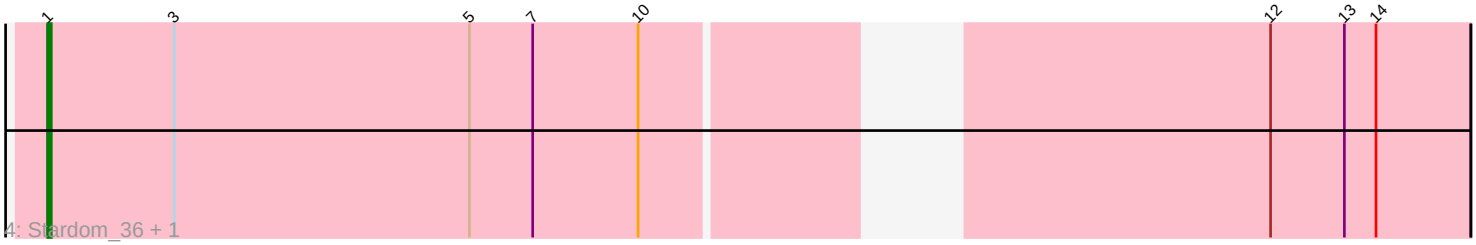
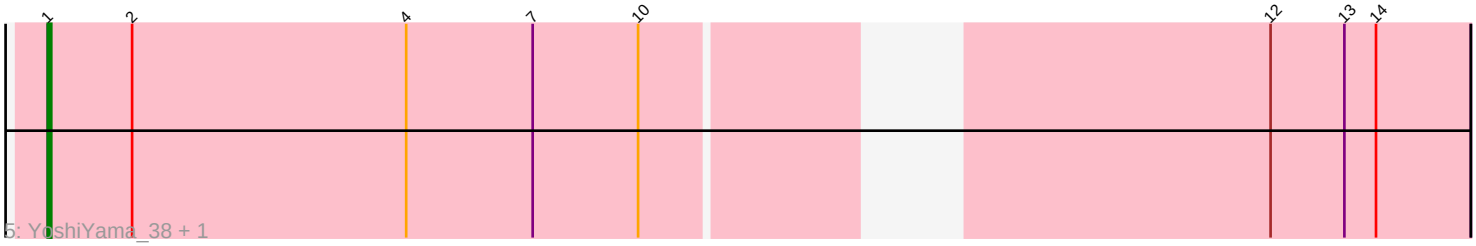
Pham 348075

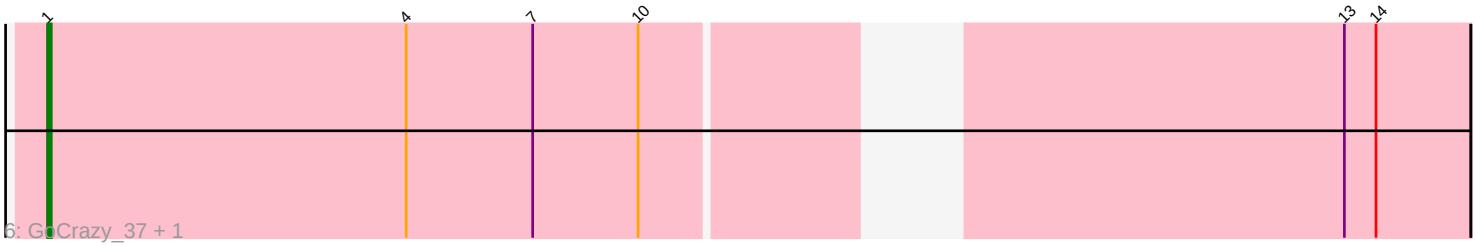

1
4
7
10
12
13
14
1: BenitoAntonio_39 + 2


1
3
4
9
10
12
13
14
2: Mooshroom_41 + 6


1
6
8
11
13
14
3: Elsa_38 + 2


1
3
5
7
10
12
13
14
4: Stardom_36 + 1


1
2
4
7
10
12
13
14
5: YoshiYama_38 + 1


1
4
7
10
13
14
6: GoCrazy_37 + 1

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 348075 Report

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

Pham number 348075 has 19 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BenitoAntonio_39, Correa_36, Tribby_38
• Track 2 : Mooshroom_41, Hankly_38, JEGGS_38, Cheesy_38, Circum_40, Heisenberger_38, Kardesai_40
• Track 3 : Elsa_38, Arcadia_38, Nason_38
• Track 4 : Stardom_36, Xenomorph_35
• Track 5 : YoshiYama_38, Benllo_38
• Track 6 : GoCrazy_37, KeaneyLin_37

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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_38, BenitoAntonio_39, Benllo_38, Cheesy_38, Circum_40, Correa_36, Elsa_38, GoCrazy_37, Hankly_38, Heisenberger_38, JEGGS_38, Kardesai_40, KeaneyLin_37, Mooshroom_41, Nason_38, Stardom_36, Tribby_38, Xenomorph_35, YoshiYama_38,

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 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_38 (AM), BenitoAntonio_39 (AM), Benllo_38 (AM), Cheesy_38 (AM), Circum_40 (AM), Correa_36 (AM), Elsa_38 (AM), GoCrazy_37 (AM), Hankly_38 (AM), Heisenberger_38 (AM), JEGGS_38 (AM),

Kardesai_40 (AM), KeaneyLin_37 (AM), Mooshroom_41 (AM), Nason_38 (AM), Stardom_36 (AM), Tribby_38 (AM), Xenomorph_35 (AM), YoshiYama_38 (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 17 times for cluster AM.

Gene Information:

Gene: Arcadia_38 Start: 28208, Stop: 28612, Start Num: 1
Candidate Starts for Arcadia_38:
(Start: 1 @28208 has 17 MA's), (6, 28337), (8, 28361), (11, 28535), (13, 28577), (14, 28586),

Gene: BenitoAntonio_39 Start: 28046, Stop: 28417, Start Num: 1
Candidate Starts for BenitoAntonio_39:
(Start: 1 @28046 has 17 MA's), (4, 28148), (7, 28184), (10, 28214), (12, 28361), (13, 28382), (14, 28391),

Gene: Benllo_38 Start: 28724, Stop: 29095, Start Num: 1
Candidate Starts for Benllo_38:
(Start: 1 @28724 has 17 MA's), (2, 28748), (4, 28826), (7, 28862), (10, 28892), (12, 29039), (13, 29060), (14, 29069),

Gene: Cheesy_38 Start: 27895, Stop: 28266, Start Num: 1
Candidate Starts for Cheesy_38:
(Start: 1 @27895 has 17 MA's), (3, 27931), (4, 27997), (9, 28051), (10, 28063), (12, 28210), (13, 28231), (14, 28240),

Gene: Circum_40 Start: 28555, Stop: 28926, Start Num: 1
Candidate Starts for Circum_40:
(Start: 1 @28555 has 17 MA's), (3, 28591), (4, 28657), (9, 28711), (10, 28723), (12, 28870), (13, 28891), (14, 28900),

Gene: Correa_36 Start: 27083, Stop: 27454, Start Num: 1
Candidate Starts for Correa_36:
(Start: 1 @27083 has 17 MA's), (4, 27185), (7, 27221), (10, 27251), (12, 27398), (13, 27419), (14, 27428),

Gene: Elsa_38 Start: 28208, Stop: 28612, Start Num: 1
Candidate Starts for Elsa_38:
(Start: 1 @28208 has 17 MA's), (6, 28337), (8, 28361), (11, 28535), (13, 28577), (14, 28586),

Gene: GoCrazy_37 Start: 28033, Stop: 28404, Start Num: 1
Candidate Starts for GoCrazy_37:
(Start: 1 @28033 has 17 MA's), (4, 28135), (7, 28171), (10, 28201), (13, 28369), (14, 28378),

Gene: Hankly_38 Start: 27578, Stop: 27949, Start Num: 1
Candidate Starts for Hankly_38:

(Start: 1 @27578 has 17 MA's), (3, 27614), (4, 27680), (9, 27734), (10, 27746), (12, 27893), (13, 27914), (14, 27923),

Gene: Heisenberger_38 Start: 27888, Stop: 28259, Start Num: 1
Candidate Starts for Heisenberger_38:
(Start: 1 @27888 has 17 MA's), (3, 27924), (4, 27990), (9, 28044), (10, 28056), (12, 28203), (13, 28224), (14, 28233),

Gene: JEGGS_38 Start: 27942, Stop: 28313, Start Num: 1
Candidate Starts for JEGGS_38:
(Start: 1 @27942 has 17 MA's), (3, 27978), (4, 28044), (9, 28098), (10, 28110), (12, 28257), (13, 28278), (14, 28287),

Gene: Kardesai_40 Start: 28608, Stop: 28979, Start Num: 1
Candidate Starts for Kardesai_40:
(Start: 1 @28608 has 17 MA's), (3, 28644), (4, 28710), (9, 28764), (10, 28776), (12, 28923), (13, 28944), (14, 28953),

Gene: KeaneyLin_37 Start: 28033, Stop: 28404, Start Num: 1
Candidate Starts for KeaneyLin_37:
(Start: 1 @28033 has 17 MA's), (4, 28135), (7, 28171), (10, 28201), (13, 28369), (14, 28378),

Gene: Mooshroom_41 Start: 28608, Stop: 28979, Start Num: 1
Candidate Starts for Mooshroom_41:
(Start: 1 @28608 has 17 MA's), (3, 28644), (4, 28710), (9, 28764), (10, 28776), (12, 28923), (13, 28944), (14, 28953),

Gene: Nason_38 Start: 28208, Stop: 28612, Start Num: 1
Candidate Starts for Nason_38:
(Start: 1 @28208 has 17 MA's), (6, 28337), (8, 28361), (11, 28535), (13, 28577), (14, 28586),

Gene: Stardom_36 Start: 27087, Stop: 27458, Start Num: 1
Candidate Starts for Stardom_36:
(Start: 1 @27087 has 17 MA's), (3, 27123), (5, 27207), (7, 27225), (10, 27255), (12, 27402), (13, 27423), (14, 27432),

Gene: Tribby_38 Start: 27916, Stop: 28287, Start Num: 1
Candidate Starts for Tribby_38:
(Start: 1 @27916 has 17 MA's), (4, 28018), (7, 28054), (10, 28084), (12, 28231), (13, 28252), (14, 28261),

Gene: Xenomorph_35 Start: 27874, Stop: 28245, Start Num: 1
Candidate Starts for Xenomorph_35:
(Start: 1 @27874 has 17 MA's), (3, 27910), (5, 27994), (7, 28012), (10, 28042), (12, 28189), (13, 28210), (14, 28219),

Gene: YoshiYama_38 Start: 28139, Stop: 28510, Start Num: 1
Candidate Starts for YoshiYama_38:
(Start: 1 @28139 has 17 MA's), (2, 28163), (4, 28241), (7, 28277), (10, 28307), (12, 28454), (13, 28475), (14, 28484),