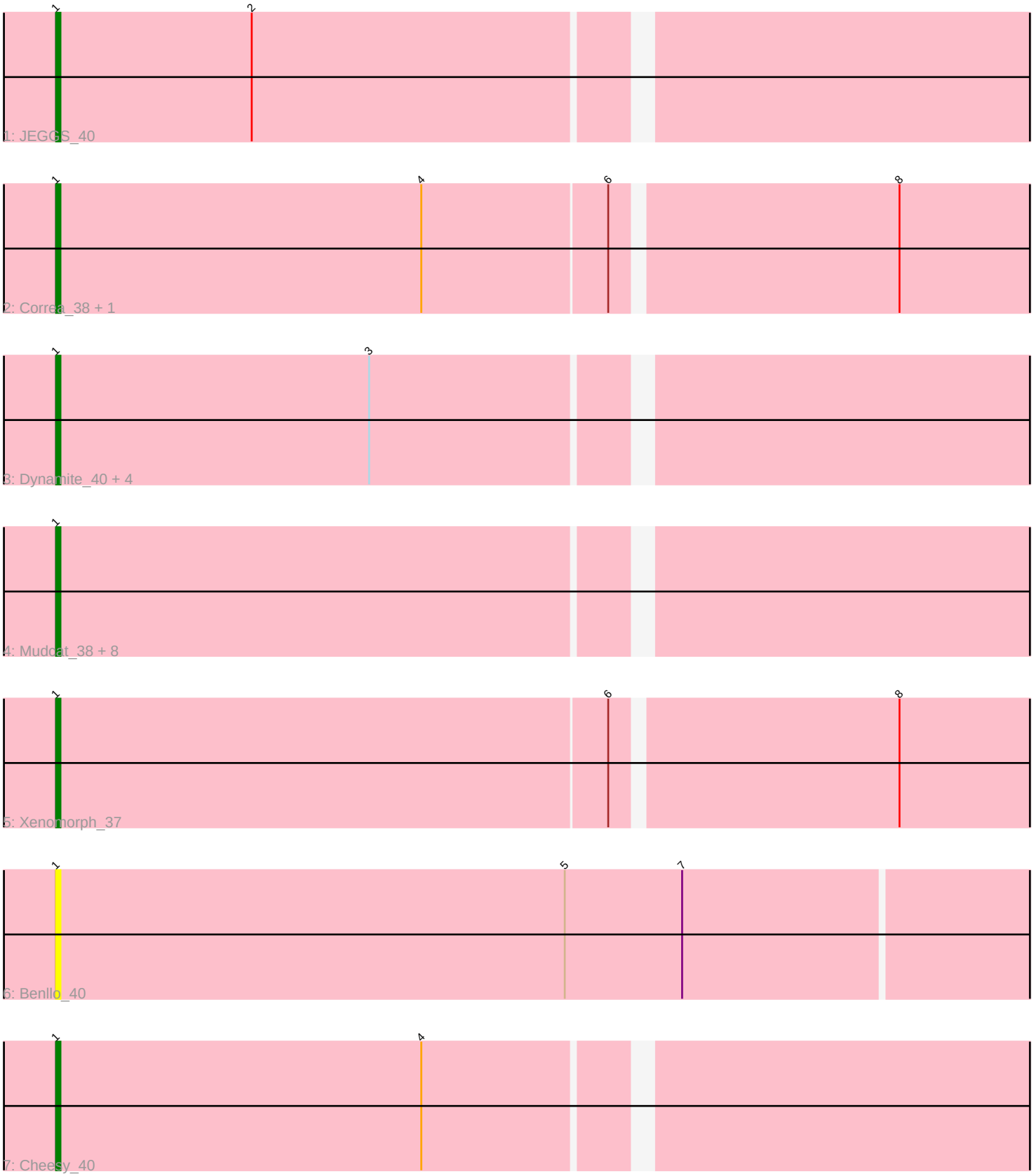
Pham 106608


1
2
1: JEGGS_40
1
4
6
8
2: Correa_38 + 1
1
3
3: Dynamite_40 + 4
1
4: Muddat_38 + 8
1
6
8
5: Xenomorph_37
1
5
7
6: Benllo_40
1
4
7: Cheesy_40

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 106608 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106608 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : JEGGS_40
• Track 2 : Correa_38, Tribby_40
• Track 3 : Dynamite_40, NapoleonB_40, Mooshroom_42, BenitoAntonio_41, Kardesai_42
• Track 4 : Mudcat_38, Elsa_41, Hankly_40, KeaneyLin_39, GoCrazy_39, Circum_42, Arcadia_41, Heisenberger_40, Nason_41
• Track 5 : Xenomorph_37
• Track 6 : Benllo_40
• Track 7 : Cheesy_40

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_41, BenitoAntonio_41, Benllo_40, Cheesy_40, Circum_42, Correa_38, Dynamite_40, Elsa_41, GoCrazy_39, Hankly_40, Heisenberger_40, JEGGS_40, Kardesai_42, KeaneyLin_39, Mooshroom_42, Mudcat_38, NapoleonB_40, Nason_41, Tribby_40, Xenomorph_37,

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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Arcadia_41 (AM), BenitoAntonio_41 (AM), Benllo_40 (AM), Cheesy_40 (AM), Circum_42 (AM), Correa_38 (AM), Dynamite_40 (AM), Elsa_41 (AM), GoCrazy_39 (AM), Hankly_40 (AM), Heisenberger_40 (AM), JEGGS_40 (AM), Kardesai_42 (AM), KeaneyLin_39 (AM), Mooshroom_42 (AM), Mudcat_38 (AM), NapoleonB_40 (AM), Nason_41 (AM), Tribby_40 (AM), Xenomorph_37 (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 18 times for cluster AM.

Gene Information:

Gene: Arcadia_41 Start: 29295, Stop: 29603, Start Num: 1
Candidate Starts for Arcadia_41:
(Start: 1 @29295 has 18 MA's),

Gene: BenitoAntonio_41 Start: 28872, Stop: 29180, Start Num: 1
Candidate Starts for BenitoAntonio_41:
(Start: 1 @28872 has 18 MA's), (3, 28944),

Gene: Benllo_40 Start: 29550, Stop: 29864, Start Num: 1
Candidate Starts for Benllo_40:
(Start: 1 @29550 has 18 MA's), (5, 29667), (7, 29694),

Gene: Cheesy_40 Start: 28725, Stop: 29033, Start Num: 1
Candidate Starts for Cheesy_40:
(Start: 1 @28725 has 18 MA's), (4, 28809),

Gene: Circum_42 Start: 29385, Stop: 29693, Start Num: 1
Candidate Starts for Circum_42:
(Start: 1 @29385 has 18 MA's),

Gene: Correa_38 Start: 27913, Stop: 28218, Start Num: 1
Candidate Starts for Correa_38:
(Start: 1 @27913 has 18 MA's), (4, 27997), (6, 28039), (8, 28102),

Gene: Dynamite_40 Start: 28937, Stop: 29245, Start Num: 1
Candidate Starts for Dynamite_40:
(Start: 1 @28937 has 18 MA's), (3, 29009),

Gene: Elsa_41 Start: 29295, Stop: 29603, Start Num: 1
Candidate Starts for Elsa_41:
(Start: 1 @29295 has 18 MA's),

Gene: GoCrazy_39 Start: 28863, Stop: 29171, Start Num: 1
Candidate Starts for GoCrazy_39:
(Start: 1 @28863 has 18 MA's),

Gene: Hankly_40 Start: 28408, Stop: 28716, Start Num: 1
Candidate Starts for Hankly_40:
(Start: 1 @28408 has 18 MA's),

Gene: Heisenberger_40 Start: 28736, Stop: 29044, Start Num: 1
Candidate Starts for Heisenberger_40:
(Start: 1 @28736 has 18 MA's),

Gene: JEGGS_40 Start: 28790, Stop: 29098, Start Num: 1
Candidate Starts for JEGGS_40:
(Start: 1 @28790 has 18 MA's), (2, 28835),

Gene: Kardesai_42 Start: 29456, Stop: 29764, Start Num: 1
Candidate Starts for Kardesai_42:
(Start: 1 @29456 has 18 MA's), (3, 29528),

Gene: KeaneyLin_39 Start: 28863, Stop: 29171, Start Num: 1
Candidate Starts for KeaneyLin_39:
(Start: 1 @28863 has 18 MA's),

Gene: Mooshroom_42 Start: 29456, Stop: 29764, Start Num: 1
Candidate Starts for Mooshroom_42:
(Start: 1 @29456 has 18 MA's), (3, 29528),

Gene: Mudcat_38 Start: 30149, Stop: 30457, Start Num: 1
Candidate Starts for Mudcat_38:
(Start: 1 @30149 has 18 MA's),

Gene: NapoleonB_40 Start: 28937, Stop: 29245, Start Num: 1
Candidate Starts for NapoleonB_40:
(Start: 1 @28937 has 18 MA's), (3, 29009),

Gene: Nason_41 Start: 29295, Stop: 29603, Start Num: 1
Candidate Starts for Nason_41:
(Start: 1 @29295 has 18 MA's),

Gene: Tribby_40 Start: 28746, Stop: 29051, Start Num: 1
Candidate Starts for Tribby_40:
(Start: 1 @28746 has 18 MA's), (4, 28830), (6, 28872), (8, 28935),

Gene: Xenomorph_37 Start: 28725, Stop: 29030, Start Num: 1
Candidate Starts for Xenomorph_37:
(Start: 1 @28725 has 18 MA's), (6, 28851), (8, 28914),