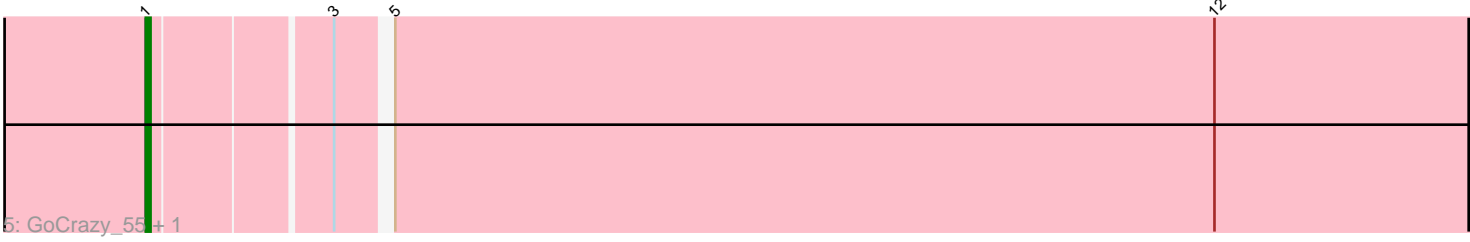
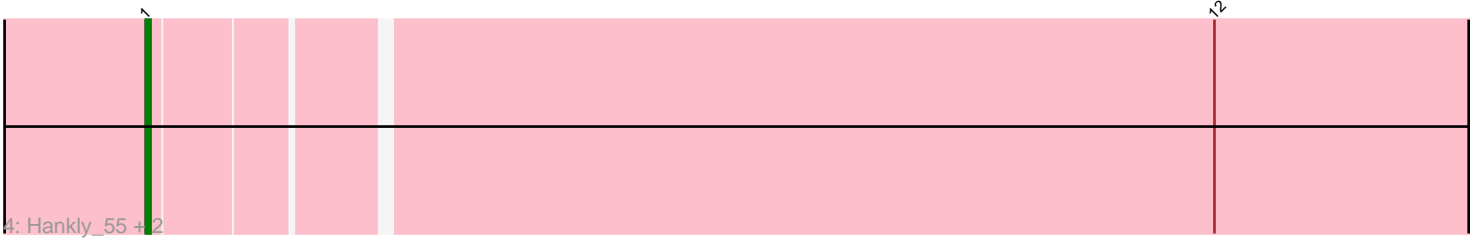
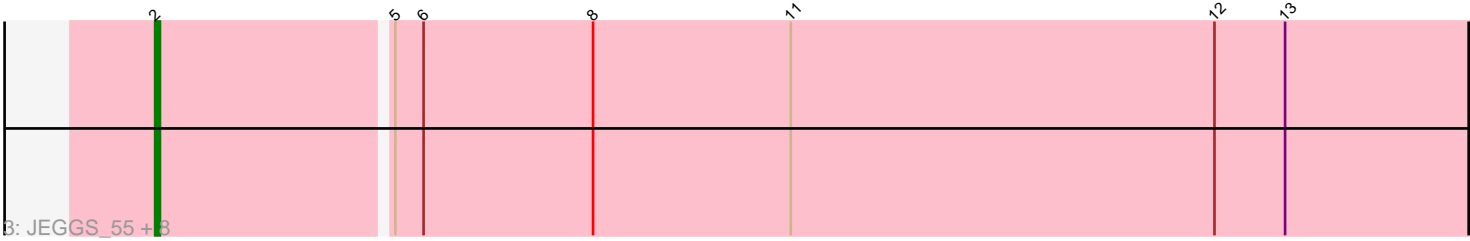
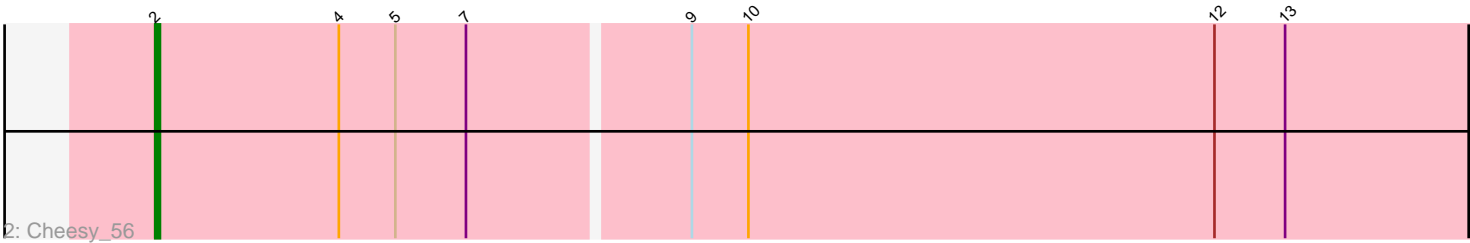


Pham 106605



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 106605 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106605 has 20 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dynamite_56, Mooshroom_56, NapoleonB_56, Kardesai_57
- Track 2 : Cheesy_56
- Track 3 : JEGGS_55, Elsa_56, Tribby_58, Correa_53, Heisenberger_55, Xenomorph_53, Mudcat_53, Arcadia_56, Nason_56
- Track 4 : Hankly_55, Benllo_57, BenitoAntonio_56
- Track 5 : GoCrazy_55, KeaneyLin_55
- Track 6 : Circum_58

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

Genes that call this "Most Annotated" start:

- Arcadia_56, Cheesy_56, Correa_53, Elsa_56, Heisenberger_55, JEGGS_55, Mudcat_53, Nason_56, Tribby_58, Xenomorph_53,

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

-

Genes that do not have the "Most Annotated" start:

- BenitoAntonio_56, Benllo_57, Circum_58, Dynamite_56, GoCrazy_55, Hankly_55, Kardesai_57, KeaneyLin_55, Mooshroom_56, NapoleonB_56,

Summary by start number:

Start 1:

- Found in 10 of 20 (50.0%) of genes in pham
- Manual Annotations of this start: 8 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BenitoAntonio_56 (AM), Benllo_57 (AM), Circum_58 (AM), Dynamite_56 (AM), GoCrazy_55 (AM), Hankly_55 (AM), Kardesai_57 (AM), KeaneyLin_55 (AM), Mooshroom_56 (AM), NapoleonB_56 (AM),

Start 2:

- Found in 10 of 20 (50.0%) of genes in pham
- Manual Annotations of this start: 10 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_56 (AM), Cheesy_56 (AM), Correa_53 (AM), Elsa_56 (AM), Heisenberger_55 (AM), JEGGS_55 (AM), Mudcat_53 (AM), Nason_56 (AM), Tribby_58 (AM), Xenomorph_53 (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 8 times for cluster AM.
- Start number 2 was manually annotated 10 times for cluster AM.

Gene Information:

Gene: Arcadia_56 Start: 34392, Stop: 34688, Start Num: 2

Candidate Starts for Arcadia_56:

(Start: 2 @34392 has 10 MA's), (5, 34440), (6, 34446), (8, 34482), (11, 34524), (12, 34614), (13, 34629),

Gene: BenitoAntonio_56 Start: 33923, Stop: 34216, Start Num: 1

Candidate Starts for BenitoAntonio_56:

(Start: 1 @33923 has 8 MA's), (12, 34142),

Gene: Benllo_57 Start: 34601, Stop: 34894, Start Num: 1

Candidate Starts for Benllo_57:

(Start: 1 @34601 has 8 MA's), (12, 34820),

Gene: Cheesy_56 Start: 34110, Stop: 34406, Start Num: 2

Candidate Starts for Cheesy_56:

(Start: 2 @34110 has 10 MA's), (4, 34149), (5, 34161), (7, 34176), (9, 34221), (10, 34233), (12, 34332), (13, 34347),

Gene: Circum_58 Start: 34792, Stop: 35085, Start Num: 1

Candidate Starts for Circum_58:

(Start: 1 @34792 has 8 MA's), (12, 35011), (14, 35035),

Gene: Correa_53 Start: 33259, Stop: 33555, Start Num: 2

Candidate Starts for Correa_53:

(Start: 2 @33259 has 10 MA's), (5, 33307), (6, 33313), (8, 33349), (11, 33391), (12, 33481), (13, 33496),

Gene: Dynamite_56 Start: 34316, Stop: 34609, Start Num: 1

Candidate Starts for Dynamite_56:

(Start: 1 @34316 has 8 MA's), (12, 34535),

Gene: Elsa_56 Start: 34392, Stop: 34688, Start Num: 2

Candidate Starts for Elsa_56:

(Start: 2 @34392 has 10 MA's), (5, 34440), (6, 34446), (8, 34482), (11, 34524), (12, 34614), (13, 34629),

Gene: GoCrazy_55 Start: 34257, Stop: 34550, Start Num: 1

Candidate Starts for GoCrazy_55:

(Start: 1 @34257 has 8 MA's), (3, 34293), (5, 34302), (12, 34476),

Gene: Hankly_55 Start: 33531, Stop: 33824, Start Num: 1

Candidate Starts for Hankly_55:

(Start: 1 @33531 has 8 MA's), (12, 33750),

Gene: Heisenberger_55 Start: 33815, Stop: 34111, Start Num: 2

Candidate Starts for Heisenberger_55:

(Start: 2 @33815 has 10 MA's), (5, 33863), (6, 33869), (8, 33905), (11, 33947), (12, 34037), (13, 34052),

Gene: JEGGS_55 Start: 33870, Stop: 34166, Start Num: 2

Candidate Starts for JEGGS_55:

(Start: 2 @33870 has 10 MA's), (5, 33918), (6, 33924), (8, 33960), (11, 34002), (12, 34092), (13, 34107),

Gene: Kardesai_57 Start: 34501, Stop: 34794, Start Num: 1

Candidate Starts for Kardesai_57:

(Start: 1 @34501 has 8 MA's), (12, 34720),

Gene: KeaneyLin_55 Start: 34257, Stop: 34550, Start Num: 1

Candidate Starts for KeaneyLin_55:

(Start: 1 @34257 has 8 MA's), (3, 34293), (5, 34302), (12, 34476),

Gene: Mooshroom_56 Start: 34501, Stop: 34794, Start Num: 1

Candidate Starts for Mooshroom_56:

(Start: 1 @34501 has 8 MA's), (12, 34720),

Gene: Mudcat_53 Start: 35228, Stop: 35524, Start Num: 2

Candidate Starts for Mudcat_53:

(Start: 2 @35228 has 10 MA's), (5, 35276), (6, 35282), (8, 35318), (11, 35360), (12, 35450), (13, 35465),

Gene: NapoleonB_56 Start: 34316, Stop: 34609, Start Num: 1

Candidate Starts for NapoleonB_56:

(Start: 1 @34316 has 8 MA's), (12, 34535),

Gene: Nason_56 Start: 34392, Stop: 34688, Start Num: 2

Candidate Starts for Nason_56:

(Start: 2 @34392 has 10 MA's), (5, 34440), (6, 34446), (8, 34482), (11, 34524), (12, 34614), (13, 34629),

Gene: Tribby_58 Start: 34645, Stop: 34941, Start Num: 2

Candidate Starts for Tribby_58:

(Start: 2 @34645 has 10 MA's), (5, 34693), (6, 34699), (8, 34735), (11, 34777), (12, 34867), (13, 34882),

Gene: Xenomorph_53 Start: 34063, Stop: 34359, Start Num: 2

Candidate Starts for Xenomorph_53:

(Start: 2 @34063 has 10 MA's), (5, 34111), (6, 34117), (8, 34153), (11, 34195), (12, 34285), (13, 34300),