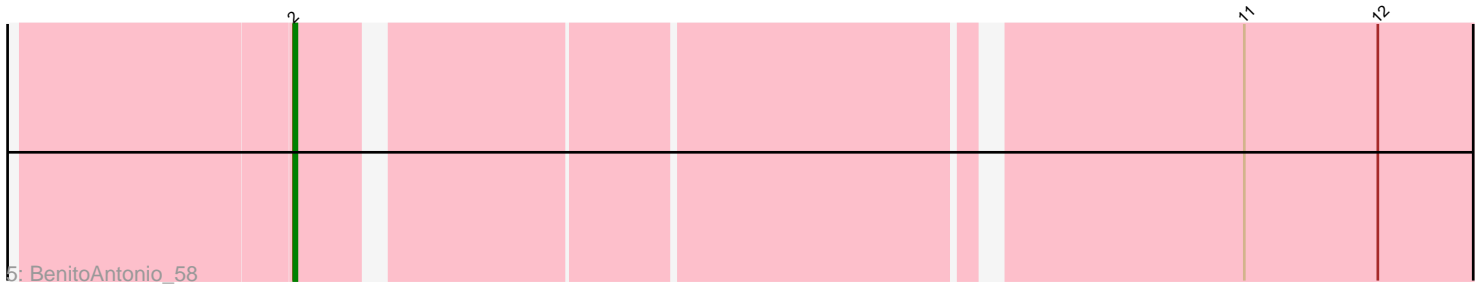
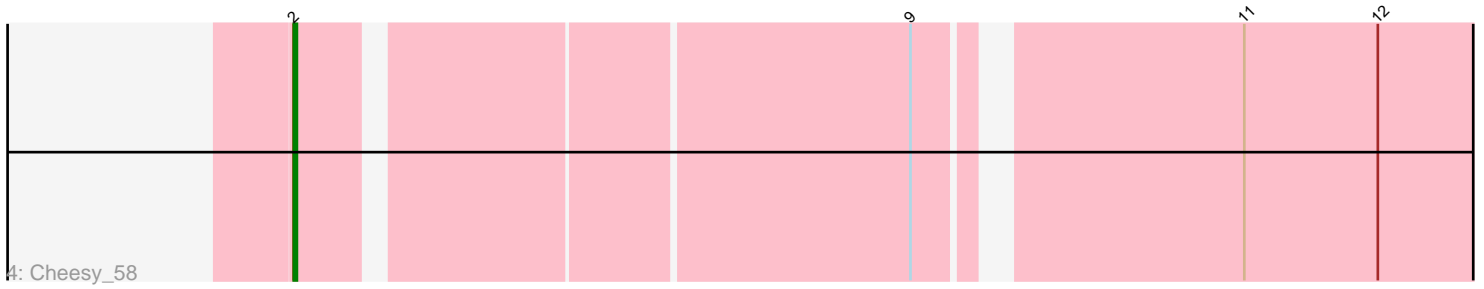
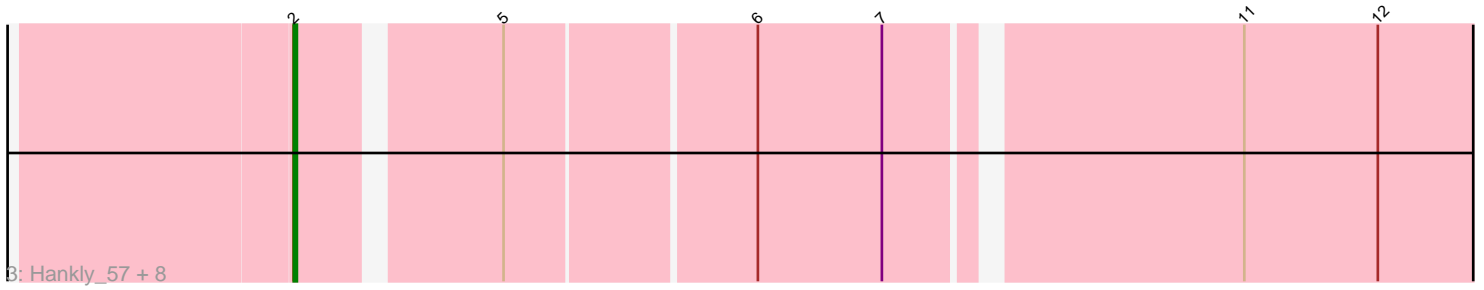
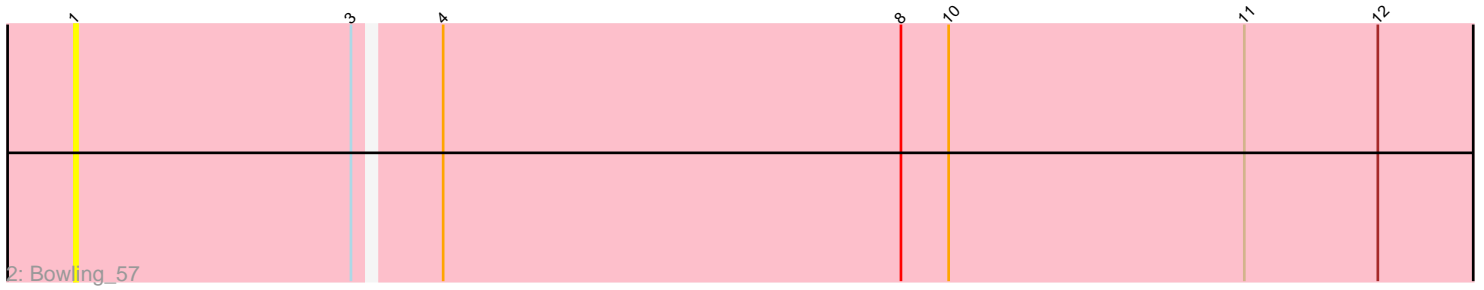
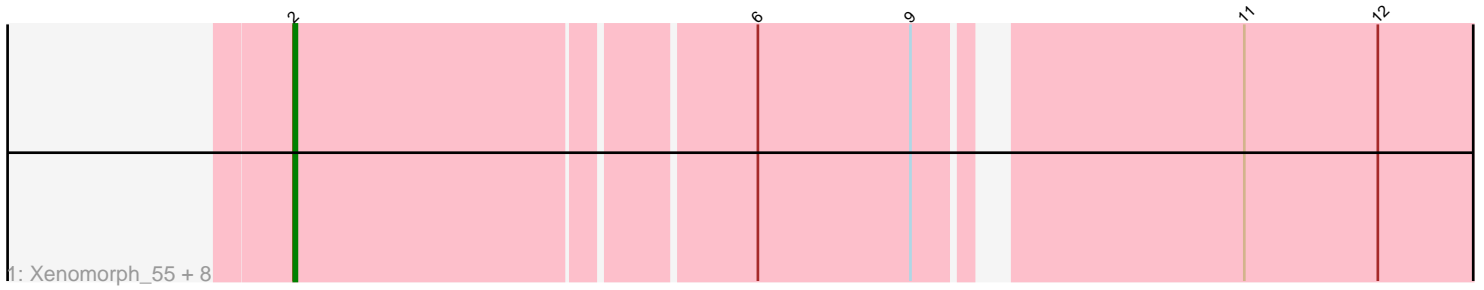


Pham 218290



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 218290 Report

This analysis was run 03/28/25 on database version 593.

Pham number 218290 has 21 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Xenomorph_55, Tribby_60, JEGGS_57, Elsa_58, Correa_55, Arcadia_58, Nason_58, Heisenberger_57, Mudcat_55
- Track 2 : Bowling_57
- Track 3 : Hankly_57, Dynamite_58, Kardesai_59, NapoleonB_58, GoCrazy_57, KeaneyLin_57, Benllo_59, Circum_60, Mooshroom_60
- Track 4 : Cheesy_58
- Track 5 : BenitoAntonio_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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_58, BenitoAntonio_58, Benllo_59, Cheesy_58, Circum_60, Correa_55, Dynamite_58, Elsa_58, GoCrazy_57, Hankly_57, Heisenberger_57, JEGGS_57, Kardesai_59, KeaneyLin_57, Mooshroom_60, Mudcat_55, NapoleonB_58, Nason_58, Tribby_60, Xenomorph_55,

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

-

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

- Bowling_57,

Summary by start number:

Start 1:

- Found in 1 of 21 (4.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bowling_57 (AM),

Start 2:

- Found in 20 of 21 (95.2%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_58 (AM), BenitoAntonio_58 (AM), Benllo_59 (AM), Cheesy_58 (AM), Circum_60 (AM), Correa_55 (AM), Dynamite_58 (AM), Elsa_58 (AM), GoCrazy_57 (AM), Hankly_57 (AM), Heisenberger_57 (AM), JEGGS_57 (AM), Kardesai_59 (AM), KeaneyLin_57 (AM), Mooshroom_60 (AM), Mudcat_55 (AM), NapoleonB_58 (AM), Nason_58 (AM), Tribby_60 (AM), Xenomorph_55 (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 19 times for cluster AM.

Gene Information:

Gene: Arcadia_58 Start: 35630, Stop: 35989, Start Num: 2

Candidate Starts for Arcadia_58:

(Start: 2 @35630 has 19 MA's), (6, 35768), (9, 35816), (11, 35906), (12, 35948),

Gene: BenitoAntonio_58 Start: 35157, Stop: 35513, Start Num: 2

Candidate Starts for BenitoAntonio_58:

(Start: 2 @35157 has 19 MA's), (11, 35430), (12, 35472),

Gene: Benllo_59 Start: 35835, Stop: 36191, Start Num: 2

Candidate Starts for Benllo_59:

(Start: 2 @35835 has 19 MA's), (5, 35892), (6, 35967), (7, 36006), (11, 36108), (12, 36150),

Gene: Bowling_57 Start: 35383, Stop: 35829, Start Num: 1

Candidate Starts for Bowling_57:

(1, 35383), (3, 35470), (4, 35494), (8, 35638), (10, 35653), (11, 35746), (12, 35788),

Gene: Cheesy_58 Start: 35345, Stop: 35698, Start Num: 2

Candidate Starts for Cheesy_58:

(Start: 2 @35345 has 19 MA's), (9, 35525), (11, 35615), (12, 35657),

Gene: Circum_60 Start: 36026, Stop: 36382, Start Num: 2

Candidate Starts for Circum_60:

(Start: 2 @36026 has 19 MA's), (5, 36083), (6, 36158), (7, 36197), (11, 36299), (12, 36341),

Gene: Correa_55 Start: 34497, Stop: 34856, Start Num: 2

Candidate Starts for Correa_55:

(Start: 2 @34497 has 19 MA's), (6, 34635), (9, 34683), (11, 34773), (12, 34815),

Gene: Dynamite_58 Start: 35550, Stop: 35906, Start Num: 2

Candidate Starts for Dynamite_58:

(Start: 2 @35550 has 19 MA's), (5, 35607), (6, 35682), (7, 35721), (11, 35823), (12, 35865),

Gene: Elsa_58 Start: 35630, Stop: 35989, Start Num: 2

Candidate Starts for Elsa_58:

(Start: 2 @35630 has 19 MA's), (6, 35768), (9, 35816), (11, 35906), (12, 35948),

Gene: GoCrazy_57 Start: 35491, Stop: 35847, Start Num: 2

Candidate Starts for GoCrazy_57:

(Start: 2 @35491 has 19 MA's), (5, 35548), (6, 35623), (7, 35662), (11, 35764), (12, 35806),

Gene: Hankly_57 Start: 34765, Stop: 35121, Start Num: 2

Candidate Starts for Hankly_57:

(Start: 2 @34765 has 19 MA's), (5, 34822), (6, 34897), (7, 34936), (11, 35038), (12, 35080),

Gene: Heisenberger_57 Start: 35053, Stop: 35415, Start Num: 2

Candidate Starts for Heisenberger_57:

(Start: 2 @35053 has 19 MA's), (6, 35191), (9, 35239), (11, 35332), (12, 35374),

Gene: JEGGS_57 Start: 35108, Stop: 35470, Start Num: 2

Candidate Starts for JEGGS_57:

(Start: 2 @35108 has 19 MA's), (6, 35246), (9, 35294), (11, 35387), (12, 35429),

Gene: Kardesai_59 Start: 35735, Stop: 36091, Start Num: 2

Candidate Starts for Kardesai_59:

(Start: 2 @35735 has 19 MA's), (5, 35792), (6, 35867), (7, 35906), (11, 36008), (12, 36050),

Gene: KeaneyLin_57 Start: 35491, Stop: 35847, Start Num: 2

Candidate Starts for KeaneyLin_57:

(Start: 2 @35491 has 19 MA's), (5, 35548), (6, 35623), (7, 35662), (11, 35764), (12, 35806),

Gene: Mooshroom_60 Start: 35735, Stop: 36091, Start Num: 2

Candidate Starts for Mooshroom_60:

(Start: 2 @35735 has 19 MA's), (5, 35792), (6, 35867), (7, 35906), (11, 36008), (12, 36050),

Gene: Mudcat_55 Start: 36466, Stop: 36828, Start Num: 2

Candidate Starts for Mudcat_55:

(Start: 2 @36466 has 19 MA's), (6, 36604), (9, 36652), (11, 36745), (12, 36787),

Gene: NapoleonB_58 Start: 35550, Stop: 35906, Start Num: 2

Candidate Starts for NapoleonB_58:

(Start: 2 @35550 has 19 MA's), (5, 35607), (6, 35682), (7, 35721), (11, 35823), (12, 35865),

Gene: Nason_58 Start: 35630, Stop: 35989, Start Num: 2

Candidate Starts for Nason_58:

(Start: 2 @35630 has 19 MA's), (6, 35768), (9, 35816), (11, 35906), (12, 35948),

Gene: Tribby_60 Start: 35883, Stop: 36242, Start Num: 2

Candidate Starts for Tribby_60:

(Start: 2 @35883 has 19 MA's), (6, 36021), (9, 36069), (11, 36159), (12, 36201),

Gene: Xenomorph_55 Start: 35301, Stop: 35660, Start Num: 2

Candidate Starts for Xenomorph_55:

(Start: 2 @35301 has 19 MA's), (6, 35439), (9, 35487), (11, 35577), (12, 35619),