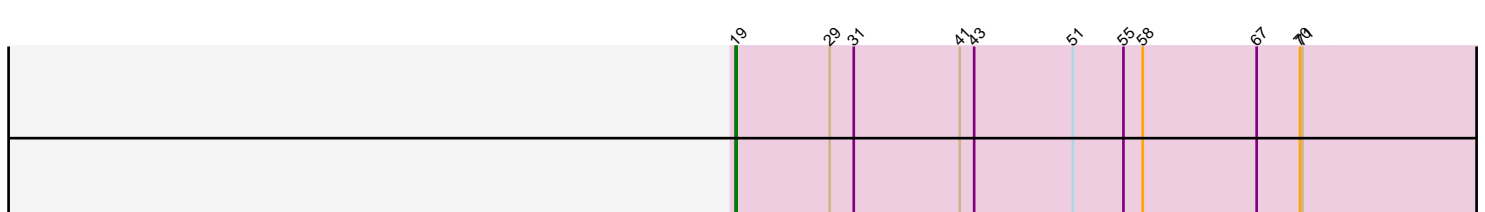
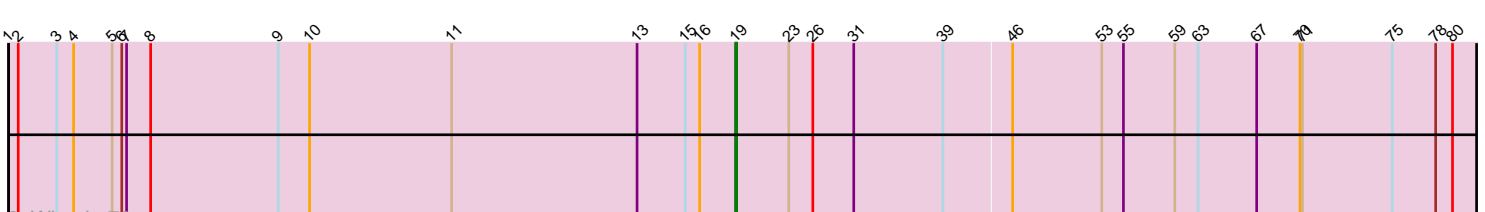
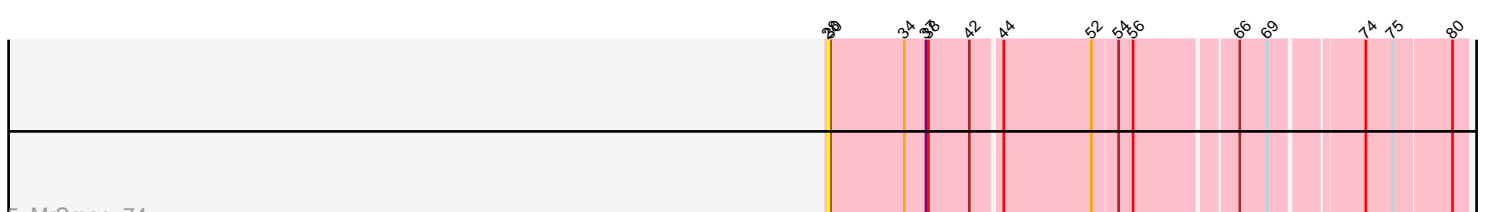
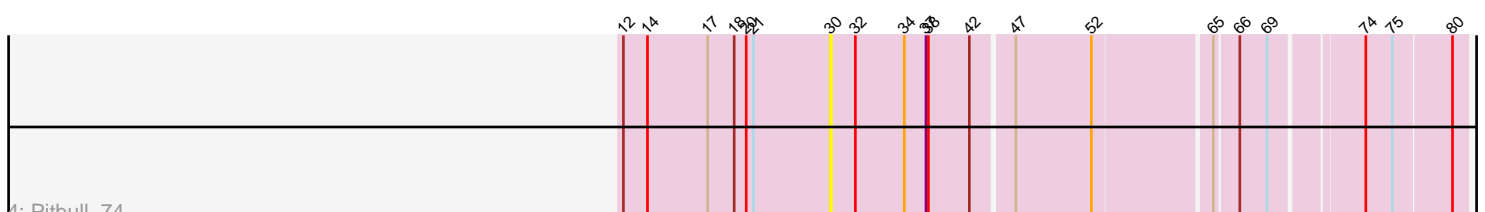
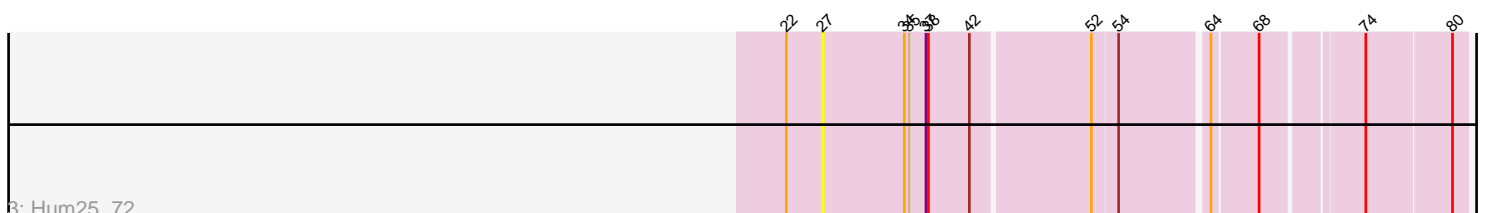
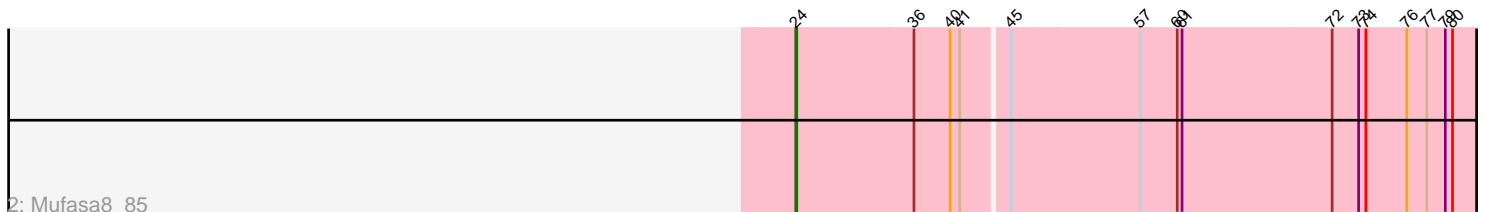


Pham 172057



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 172057 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172057 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sonali_80
- Track 2 : Mufasa8_85
- Track 3 : Hum25_72
- Track 4 : Pitbull_74
- Track 5 : MrSmee_74
- Track 6 : Whack_70
- Track 7 : Sleepyhead_65

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 19, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Sleepyhead_65, Whack_70,

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

-

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

- Hum25_72, MrSmee_74, Mufasa8_85, Pitbull_74, Sonali_80,

Summary by start number:

Start 19:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_65 (singleton), Whack_70 (singleton),

Start 24:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mufasa8_85 (FG),

Start 25:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sonali_80 (FG),

Start 27:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_72 (FQ),

Start 28:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MrSmee_74 (UNK),

Start 30:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pitbull_74 (FQ),

Summary by clusters:

There are 4 clusters represented in this pham: FQ, singleton, UNK, FG,

Info for manual annotations of cluster FG:

- Start number 24 was manually annotated 1 time for cluster FG.
- Start number 25 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: Hum25_72 Start: 39455, Stop: 40183, Start Num: 27

Candidate Starts for Hum25_72:

(22, 39410), (27, 39455), (34, 39554), (35, 39560), (37, 39581), (38, 39584), (42, 39635), (52, 39773), (54, 39803), (64, 39905), (68, 39959), (74, 40070), (80, 40166),

Gene: MrSmee_74 Start: 39014, Stop: 39739, Start Num: 28

Candidate Starts for MrSmee_74:

(28, 39014), (30, 39017), (34, 39107), (37, 39134), (38, 39137), (42, 39188), (44, 39221), (52, 39326), (54, 39356), (56, 39374), (66, 39491), (69, 39524), (74, 39626), (75, 39659), (80, 39722),

Gene: Mufasa8_85 Start: 50444, Stop: 51298, Start Num: 24

Candidate Starts for Mufasa8_85:

(Start: 24 @50444 has 1 MA's), (36, 50588), (40, 50633), (41, 50642), (45, 50696), (57, 50852), (60, 50897), (61, 50903), (72, 51086), (73, 51119), (74, 51128), (76, 51179), (77, 51203), (79, 51224), (80, 51233),

Gene: Pitbull_74 Start: 38878, Stop: 39600, Start Num: 30

Candidate Starts for Pitbull_74:

(12, 38620), (14, 38650), (17, 38725), (18, 38758), (20, 38773), (21, 38782), (30, 38878), (32, 38908), (34, 38968), (37, 38995), (38, 38998), (42, 39049), (47, 39097), (52, 39187), (65, 39325), (66, 39352), (69, 39385), (74, 39487), (75, 39520), (80, 39583),

Gene: Sleepyhead_65 Start: 41971, Stop: 42924, Start Num: 19

Candidate Starts for Sleepyhead_65:

(Start: 19 @41971 has 2 MA's), (29, 42088), (31, 42118), (41, 42250), (43, 42268), (51, 42391), (55, 42454), (58, 42478), (67, 42616), (70, 42670), (71, 42673),

Gene: Sonali_80 Start: 50220, Stop: 51053, Start Num: 25

Candidate Starts for Sonali_80:

(Start: 25 @50220 has 1 MA's), (33, 50325), (35, 50343), (41, 50406), (45, 50460), (48, 50484), (49, 50511), (50, 50514), (62, 50688), (80, 51000),

Gene: Whack_70 Start: 45809, Stop: 46741, Start Num: 19

Candidate Starts for Whack_70:

(1, 44903), (2, 44915), (3, 44963), (4, 44984), (5, 45032), (6, 45044), (7, 45050), (8, 45080), (9, 45239), (10, 45278), (11, 45455), (13, 45686), (15, 45746), (16, 45764), (Start: 19 @45809 has 2 MA's), (23, 45875), (26, 45905), (31, 45956), (39, 46067), (46, 46148), (53, 46259), (55, 46286), (59, 46349), (63, 46376), (67, 46448), (70, 46502), (71, 46505), (75, 46616), (78, 46670), (80, 46691),