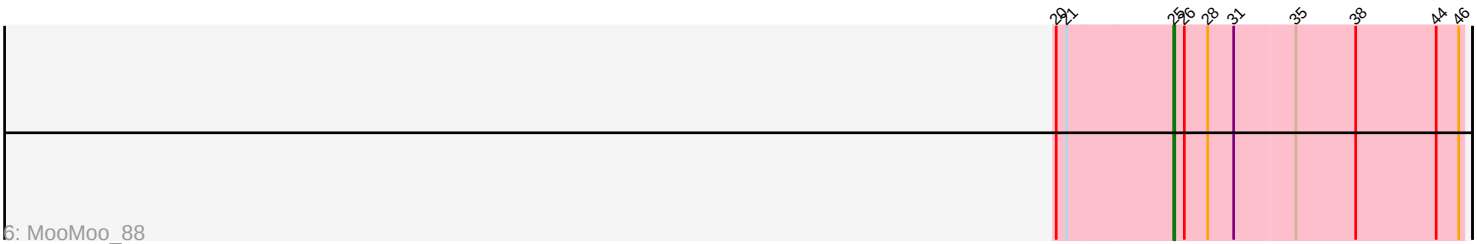
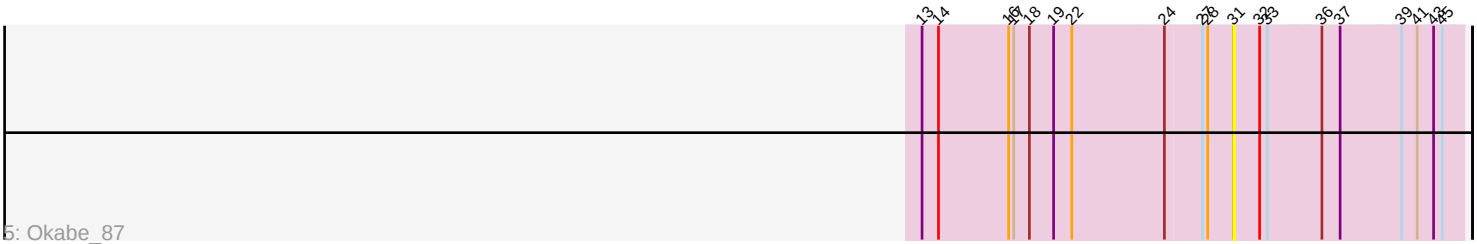
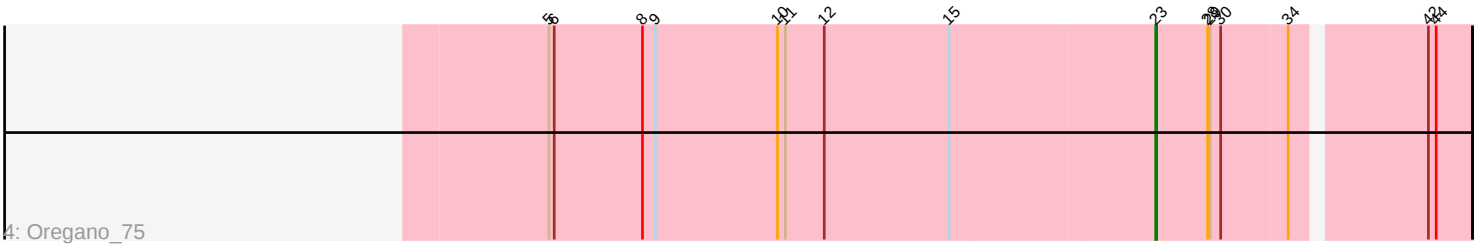
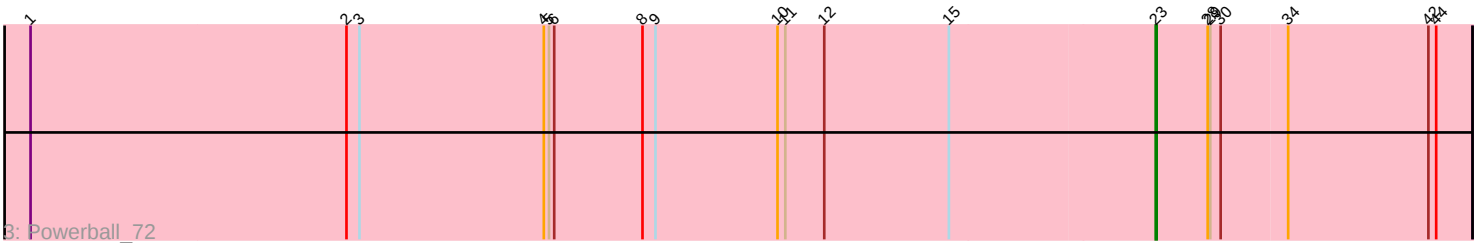
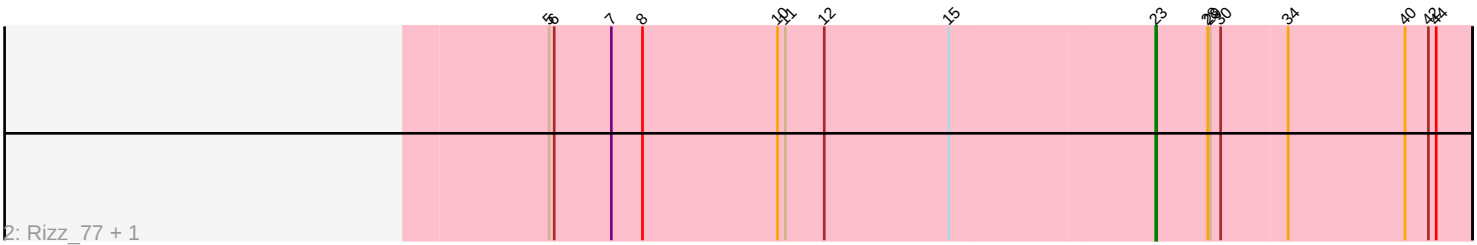
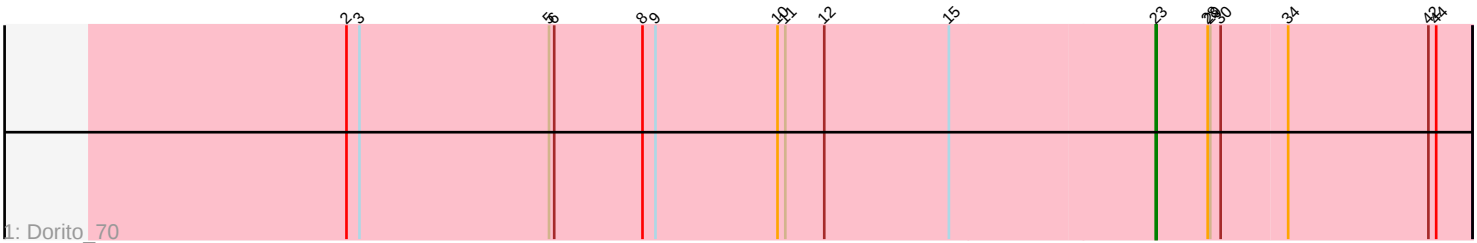


Pham 331625



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 331625 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331625 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dorito_70
- Track 2 : Rizz_77, Suerte_70
- Track 3 : Powerball_72
- Track 4 : Oregano_75
- Track 5 : Okabe_87
- Track 6 : MooMoo_88

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

The start number called the most often in the published annotations is 23, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dorito_70, Oregano_75, Powerball_72, Rizz_77, Suerte_70,

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

-

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

- MooMoo_88, Okabe_87,

Summary by start number:

Start 23:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorito_70 (CZ4), Oregano_75 (CZ4), Powerball_72 (CZ4), Rizz_77 (CZ4), Suerte_70 (CZ4),

Start 25:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: MooMoo_88 (singleton),

Start 31:

- 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: Okabe_87 (F8),

Summary by clusters:

There are 3 clusters represented in this pham: F8, singleton, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 23 was manually annotated 4 times for cluster CZ4.

Gene Information:

Gene: Dorito_70 Start: 44831, Stop: 45193, Start Num: 23

Candidate Starts for Dorito_70:

(2, 43901), (3, 43916), (5, 44135), (6, 44141), (8, 44243), (9, 44258), (10, 44399), (11, 44408), (12, 44453), (15, 44597), (Start: 23 @44831 has 4 MA's), (28, 44891), (29, 44894), (30, 44906), (34, 44981), (42, 45143), (44, 45152),

Gene: MooMoo_88 Start: 50666, Stop: 50992, Start Num: 25

Candidate Starts for MooMoo_88:

(20, 50534), (21, 50546), (Start: 25 @50666 has 1 MA's), (26, 50678), (28, 50702), (31, 50732), (35, 50801), (38, 50870), (44, 50963), (46, 50987),

Gene: Okabe_87 Start: 49196, Stop: 49450, Start Num: 31

Candidate Starts for Okabe_87:

(13, 48848), (14, 48866), (16, 48947), (17, 48953), (18, 48971), (19, 48998), (22, 49019), (24, 49124), (27, 49163), (28, 49166), (31, 49196), (32, 49226), (33, 49235), (36, 49295), (37, 49316), (39, 49382), (41, 49400), (43, 49418), (45, 49427),

Gene: Oregano_75 Start: 45945, Stop: 46286, Start Num: 23

Candidate Starts for Oregano_75:

(5, 45249), (6, 45255), (8, 45357), (9, 45372), (10, 45513), (11, 45522), (12, 45567), (15, 45711), (Start: 23 @45945 has 4 MA's), (28, 46005), (29, 46008), (30, 46020), (34, 46095), (42, 46236), (44, 46245),

Gene: Powerball_72 Start: 46044, Stop: 46406, Start Num: 23

Candidate Starts for Powerball_72:

(1, 44751), (2, 45114), (3, 45129), (4, 45342), (5, 45348), (6, 45354), (8, 45456), (9, 45471), (10, 45612), (11, 45621), (12, 45666), (15, 45810), (Start: 23 @46044 has 4 MA's), (28, 46104), (29, 46107), (30, 46119), (34, 46194), (42, 46356), (44, 46365),

Gene: Rizz_77 Start: 47211, Stop: 47573, Start Num: 23

Candidate Starts for Rizz_77:

(5, 46515), (6, 46521), (7, 46587), (8, 46623), (10, 46779), (11, 46788), (12, 46833), (15, 46977), (Start: 23 @47211 has 4 MA's), (28, 47271), (29, 47274), (30, 47286), (34, 47361), (40, 47496), (42,

47523), (44, 47532),

Gene: Suerte_70 Start: 45655, Stop: 46017, Start Num: 23

Candidate Starts for Suerte_70:

(5, 44959), (6, 44965), (7, 45031), (8, 45067), (10, 45223), (11, 45232), (12, 45277), (15, 45421),
(Start: 23 @45655 has 4 MA's), (28, 45715), (29, 45718), (30, 45730), (34, 45805), (40, 45940), (42,
45967), (44, 45976),