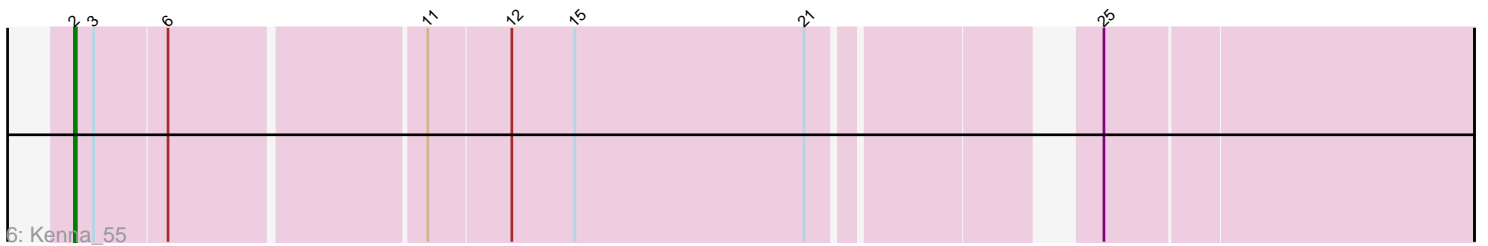
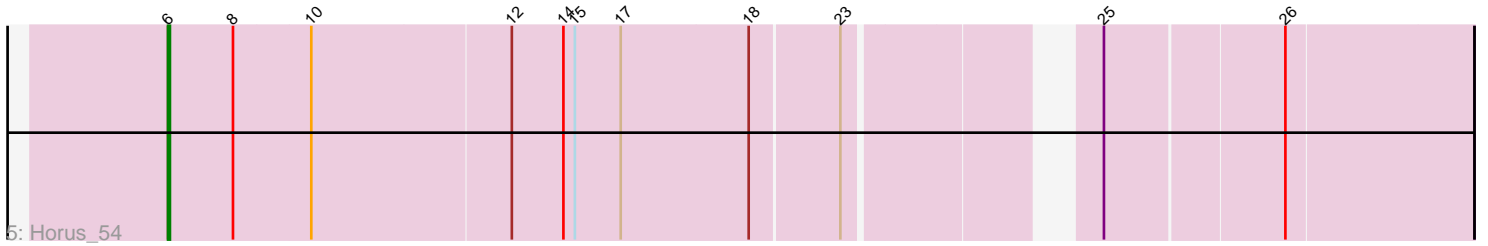
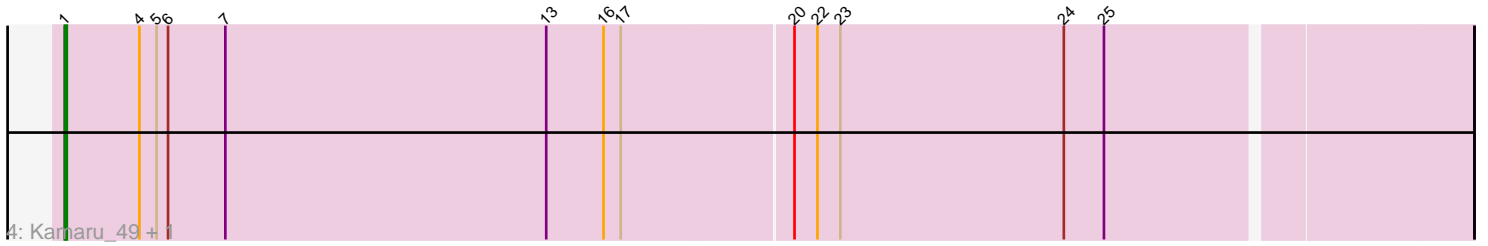
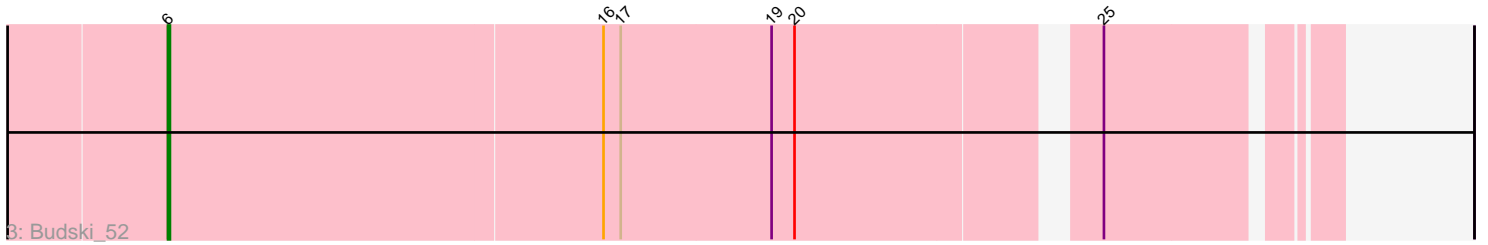
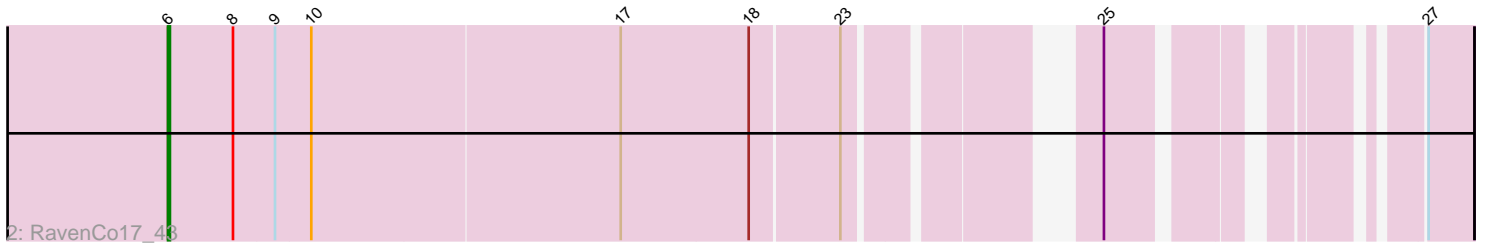
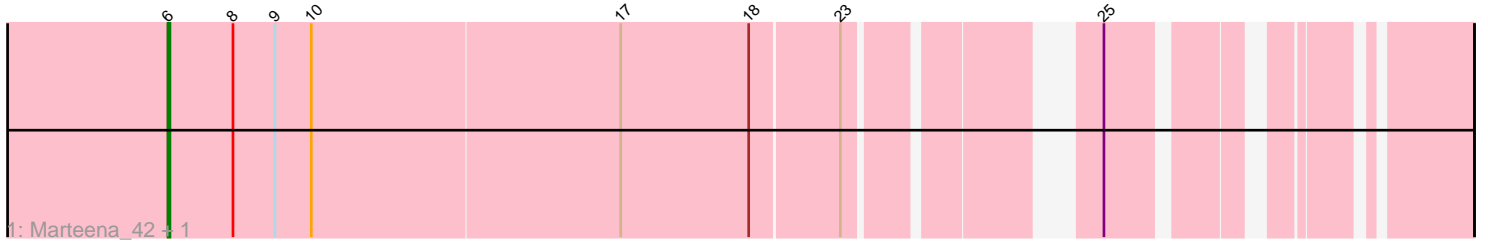


Pham 158419



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 158419 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158419 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Marteena_42, EMSquaredA_43
- Track 2 : RavenCo17_43
- Track 3 : Budski_52
- Track 4 : Kamaru_49, LitninMcQueen_48
- Track 5 : Horus_54
- Track 6 : Kenna_55

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Budski_52, EMSquaredA_43, Horus_54, Marteena_42, RavenCo17_43,

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

- Kamaru_49, Kenna_55, LitninMcQueen_48,

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

-

Summary by start number:

Start 1:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kamaru_49 (DN1), LitninMcQueen_48 (DN1),

Start 2:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Kenna_55 (DN1),

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Budski_52 (DN), EMSquaredA_43 (CY1), Horus_54 (DN1), Marteena_42 (CY1), RavenCo17_43 (CZ8),

Summary by clusters:

There are 4 clusters represented in this pham: DN, CY1, DN1, CZ8,

Info for manual annotations of cluster CY1:

- Start number 6 was manually annotated 2 times for cluster CY1.

Info for manual annotations of cluster CZ8:

- Start number 6 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DN:

- Start number 6 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 1 was manually annotated 1 time for cluster DN1.
- Start number 2 was manually annotated 1 time for cluster DN1.
- Start number 6 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Budski_52 Start: 35756, Stop: 35184, Start Num: 6

Candidate Starts for Budski_52:

(Start: 6 @35756 has 5 MA's), (16, 35531), (17, 35522), (19, 35444), (20, 35432), (25, 35291),

Gene: EMSquaredA_43 Start: 34832, Stop: 34245, Start Num: 6

Candidate Starts for EMSquaredA_43:

(Start: 6 @34832 has 5 MA's), (8, 34799), (9, 34778), (10, 34760), (17, 34601), (18, 34535), (23, 34490), (25, 34391),

Gene: Horus_54 Start: 36955, Stop: 36323, Start Num: 6

Candidate Starts for Horus_54:

(Start: 6 @36955 has 5 MA's), (8, 36922), (10, 36883), (12, 36781), (14, 36754), (15, 36748), (17, 36724), (18, 36658), (23, 36613), (25, 36508), (26, 36418),

Gene: Kamaru_49 Start: 35377, Stop: 34655, Start Num: 1

Candidate Starts for Kamaru_49:

(Start: 1 @35377 has 1 MA's), (4, 35338), (5, 35329), (Start: 6 @35323 has 5 MA's), (7, 35293), (13, 35125), (16, 35095), (17, 35086), (20, 34999), (22, 34987), (23, 34975), (24, 34858), (25, 34837),

Gene: Kenna_55 Start: 36730, Stop: 36059, Start Num: 2

Candidate Starts for Kenna_55:

(Start: 2 @36730 has 1 MA's), (3, 36721), (Start: 6 @36685 has 5 MA's), (11, 36562), (12, 36520), (15, 36487), (21, 36367), (25, 36247),

Gene: LitninMcQueen_48 Start: 35126, Stop: 34404, Start Num: 1

Candidate Starts for LitninMcQueen_48:

(Start: 1 @35126 has 1 MA's), (4, 35087), (5, 35078), (Start: 6 @35072 has 5 MA's), (7, 35042), (13, 34874), (16, 34844), (17, 34835), (20, 34748), (22, 34736), (23, 34724), (24, 34607), (25, 34586),

Gene: Marteena_42 Start: 34832, Stop: 34245, Start Num: 6

Candidate Starts for Marteena_42:

(Start: 6 @34832 has 5 MA's), (8, 34799), (9, 34778), (10, 34760), (17, 34601), (18, 34535), (23, 34490), (25, 34391),

Gene: RavenCo17_43 Start: 35137, Stop: 34553, Start Num: 6

Candidate Starts for RavenCo17_43:

(Start: 6 @35137 has 5 MA's), (8, 35104), (9, 35083), (10, 35065), (17, 34906), (18, 34840), (23, 34795), (25, 34696), (27, 34576),