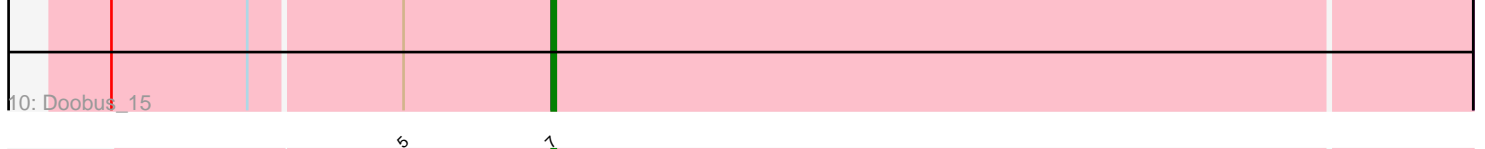
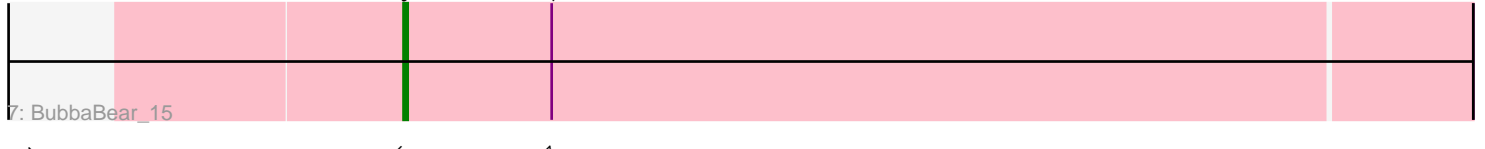
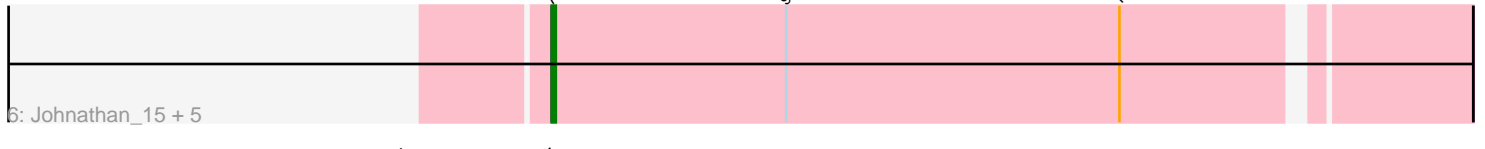
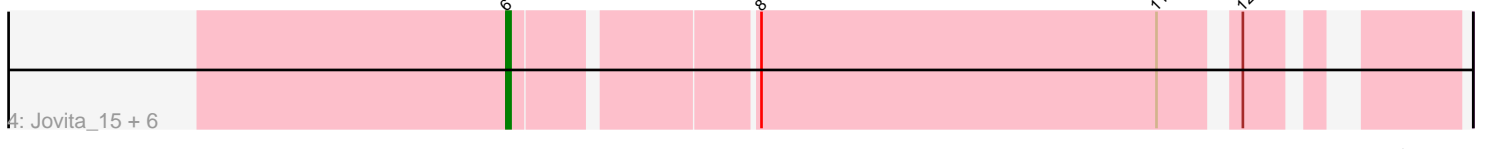
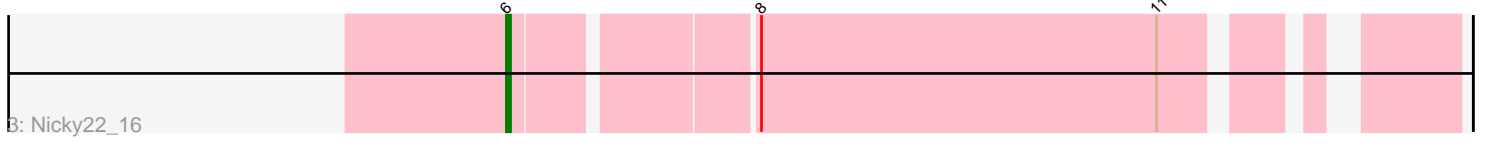
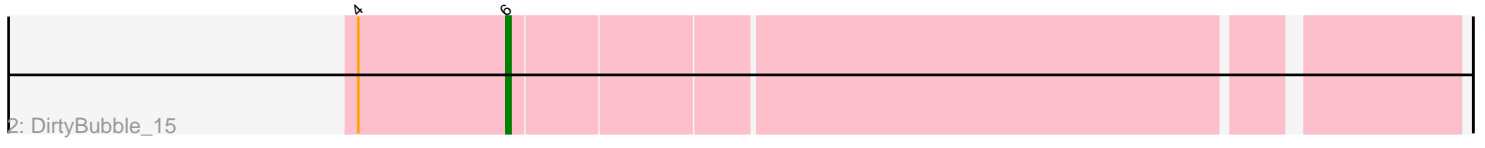
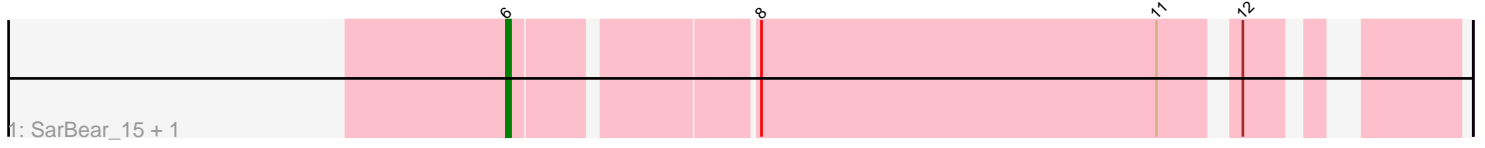


Pham 216499



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 216499 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216499 has 24 members, 5 are drafts.

Phages represented in each track:

- Track 1 : SarBear_15, Swervy_15
- Track 2 : DirtyBubble_15
- Track 3 : Nicky22_16
- Track 4 : Jovita_15, Eula_15, QMacho_16, TukTuk_15, Jabb_15, CupcakePrincess_15, MsUbiquitous_15
- Track 5 : Kenzers_15, Lynlen_15
- Track 6 : Johnathan_15, LimaBean_15, Abigail_15, Milomuff_17, Avacadoman_15, Solea_17
- Track 7 : BubbaBear_15
- Track 8 : Phisb_15
- Track 9 : Finalfrontier_16
- Track 10 : Doobus_15
- Track 11 : Albedo_15

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 11 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CupcakePrincess_15, DirtyBubble_15, Eula_15, Finalfrontier_16, Jabb_15, Jovita_15, Kenzers_15, Lynlen_15, MsUbiquitous_15, Nicky22_16, QMacho_16, SarBear_15, Swervy_15, TukTuk_15,

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

-

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

- Abigail_15, Albedo_15, Avacadoman_15, BubbaBear_15, Doobus_15, Johnathan_15, LimaBean_15, Milomuff_17, Phisb_15, Solea_17,

Summary by start number:

Start 5:

- Found in 4 of 24 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 25.0% of time when present
- Phage (with cluster) where this start called: BubbaBear_15 (EB),

Start 6:

- Found in 14 of 24 (58.3%) of genes in pham
- Manual Annotations of this start: 11 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CupcakePrincess_15 (EB), DirtyBubble_15 (EB), Eula_15 (EB), Finalfrontier_16 (EB), Jabb_15 (EB), Jovita_15 (EB), Kenzers_15 (EB), Lynlen_15 (EB), MsUbiquitous_15 (EB), Nicky22_16 (EB), QMacho_16 (EB), SarBear_15 (EB), Swervy_15 (EB), TukTuk_15 (EB),

Start 7:

- Found in 10 of 24 (41.7%) of genes in pham
- Manual Annotations of this start: 7 of 19
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Abigail_15 (EB), Albedo_15 (EB), Avocadoman_15 (EB), Doobus_15 (EB), Johnathan_15 (EB), LimaBean_15 (EB), Milomuff_17 (EB), Phisb_15 (EB), Solea_17 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 5 was manually annotated 1 time for cluster EB.
- Start number 6 was manually annotated 11 times for cluster EB.
- Start number 7 was manually annotated 7 times for cluster EB.

Gene Information:

Gene: Abigail_15 Start: 10292, Stop: 10077, Start Num: 7

Candidate Starts for Abigail_15:

(Start: 7 @10292 has 7 MA's), (9, 10235), (10, 10154),

Gene: Albedo_15 Start: 10144, Stop: 9923, Start Num: 7

Candidate Starts for Albedo_15:

(Start: 5 @10180 has 1 MA's), (Start: 7 @10144 has 7 MA's),

Gene: Avocadoman_15 Start: 10235, Stop: 10020, Start Num: 7

Candidate Starts for Avocadoman_15:

(Start: 7 @10235 has 7 MA's), (9, 10178), (10, 10097),

Gene: BubbaBear_15 Start: 10180, Stop: 9923, Start Num: 5

Candidate Starts for BubbaBear_15:

(Start: 5 @10180 has 1 MA's), (Start: 7 @10144 has 7 MA's),

Gene: CupcakePrincess_15 Start: 10201, Stop: 9998, Start Num: 6

Candidate Starts for CupcakePrincess_15:

(Start: 6 @10201 has 11 MA's), (8, 10147), (11, 10051), (12, 10036),

Gene: DirtyBubble_15 Start: 10405, Stop: 10187, Start Num: 6

Candidate Starts for DirtyBubble_15:

(4, 10441), (Start: 6 @10405 has 11 MA's),

Gene: Doobus_15 Start: 10410, Stop: 10189, Start Num: 7

Candidate Starts for Doobus_15:

(2, 10515), (3, 10482), (Start: 5 @10446 has 1 MA's), (Start: 7 @10410 has 7 MA's),

Gene: Eula_15 Start: 10162, Stop: 9959, Start Num: 6

Candidate Starts for Eula_15:

(Start: 6 @10162 has 11 MA's), (8, 10108), (11, 10012), (12, 9997),

Gene: Finalfrontier_16 Start: 10674, Stop: 10471, Start Num: 6

Candidate Starts for Finalfrontier_16:

(Start: 6 @10674 has 11 MA's), (8, 10620), (11, 10524),

Gene: Jabb_15 Start: 10201, Stop: 9998, Start Num: 6

Candidate Starts for Jabb_15:

(Start: 6 @10201 has 11 MA's), (8, 10147), (11, 10051), (12, 10036),

Gene: Johnathan_15 Start: 10173, Stop: 9958, Start Num: 7

Candidate Starts for Johnathan_15:

(Start: 7 @10173 has 7 MA's), (9, 10116), (10, 10035),

Gene: Jovita_15 Start: 10263, Stop: 10060, Start Num: 6

Candidate Starts for Jovita_15:

(Start: 6 @10263 has 11 MA's), (8, 10209), (11, 10113), (12, 10098),

Gene: Kenzers_15 Start: 10175, Stop: 9975, Start Num: 6

Candidate Starts for Kenzers_15:

(Start: 6 @10175 has 11 MA's), (8, 10124), (11, 10028), (13, 9989),

Gene: LimaBean_15 Start: 10173, Stop: 9958, Start Num: 7

Candidate Starts for LimaBean_15:

(Start: 7 @10173 has 7 MA's), (9, 10116), (10, 10035),

Gene: Lynlen_15 Start: 10175, Stop: 9975, Start Num: 6

Candidate Starts for Lynlen_15:

(Start: 6 @10175 has 11 MA's), (8, 10124), (11, 10028), (13, 9989),

Gene: Milomuff_17 Start: 10559, Stop: 10344, Start Num: 7

Candidate Starts for Milomuff_17:

(Start: 7 @10559 has 7 MA's), (9, 10502), (10, 10421),

Gene: MsUbiquitous_15 Start: 10201, Stop: 9998, Start Num: 6

Candidate Starts for MsUbiquitous_15:

(Start: 6 @10201 has 11 MA's), (8, 10147), (11, 10051), (12, 10036),

Gene: Nicky22_16 Start: 10609, Stop: 10406, Start Num: 6

Candidate Starts for Nicky22_16:

(Start: 6 @10609 has 11 MA's), (8, 10555), (11, 10459),

Gene: Phisb_15 Start: 10144, Stop: 9923, Start Num: 7
Candidate Starts for Phisb_15:
(1, 10270), (Start: 5 @10180 has 1 MA's), (Start: 7 @10144 has 7 MA's),

Gene: QMacho_16 Start: 10645, Stop: 10442, Start Num: 6
Candidate Starts for QMacho_16:
(Start: 6 @10645 has 11 MA's), (8, 10591), (11, 10495), (12, 10480),

Gene: SarBear_15 Start: 10138, Stop: 9935, Start Num: 6
Candidate Starts for SarBear_15:
(Start: 6 @10138 has 11 MA's), (8, 10084), (11, 9988), (12, 9973),

Gene: Solea_17 Start: 10559, Stop: 10344, Start Num: 7
Candidate Starts for Solea_17:
(Start: 7 @10559 has 7 MA's), (9, 10502), (10, 10421),

Gene: Swervy_15 Start: 10138, Stop: 9935, Start Num: 6
Candidate Starts for Swervy_15:
(Start: 6 @10138 has 11 MA's), (8, 10084), (11, 9988), (12, 9973),

Gene: TukTuk_15 Start: 10198, Stop: 9995, Start Num: 6
Candidate Starts for TukTuk_15:
(Start: 6 @10198 has 11 MA's), (8, 10144), (11, 10048), (12, 10033),