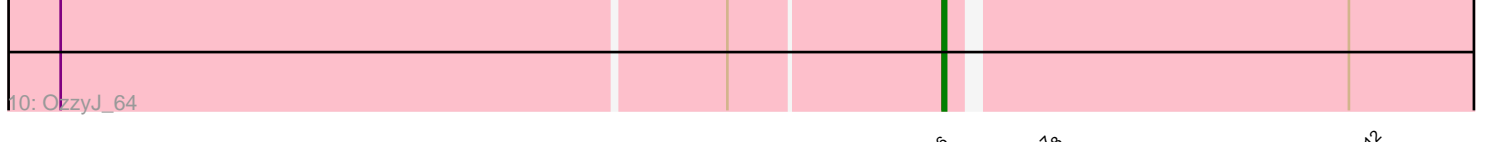
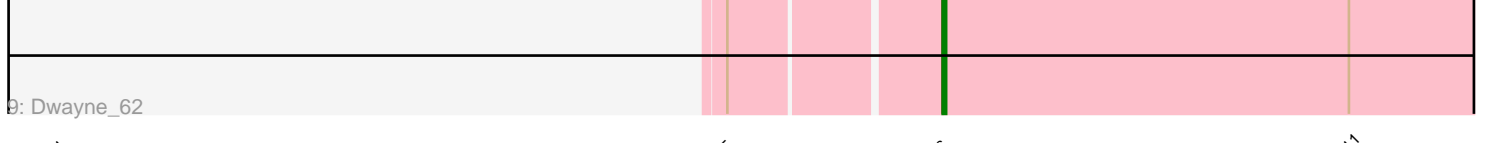
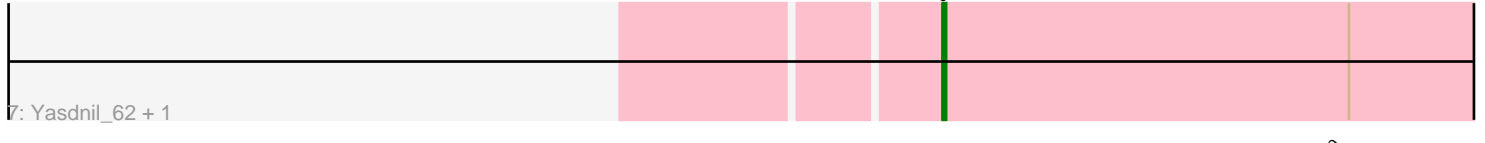
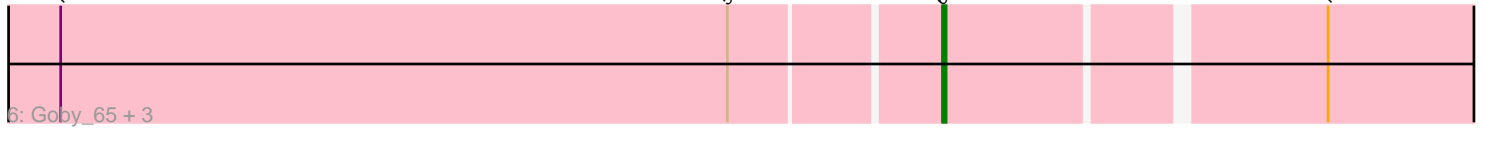
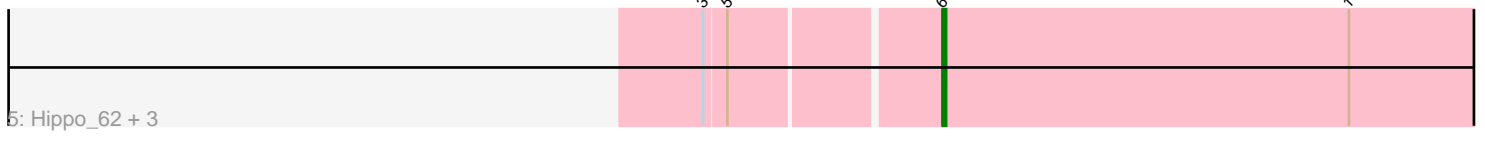
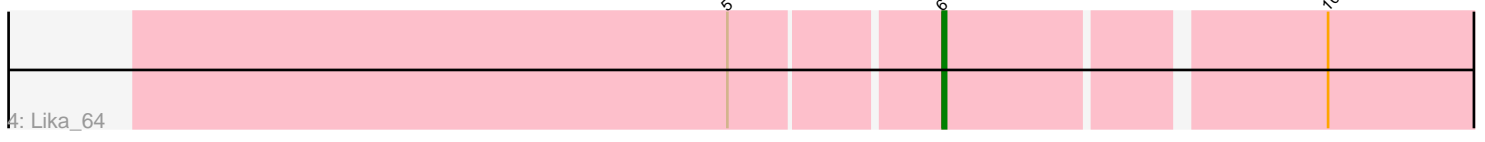
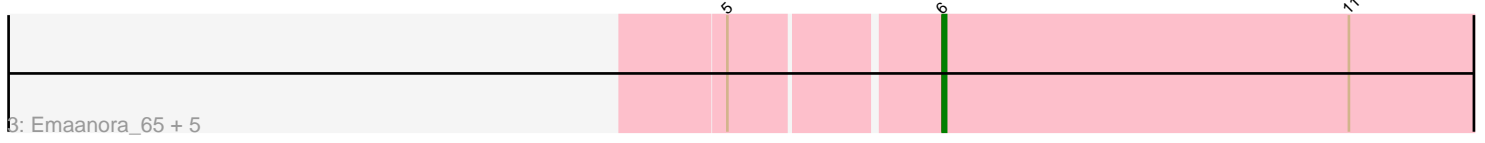
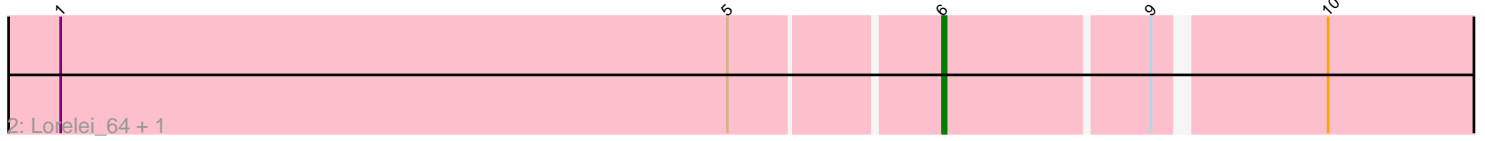
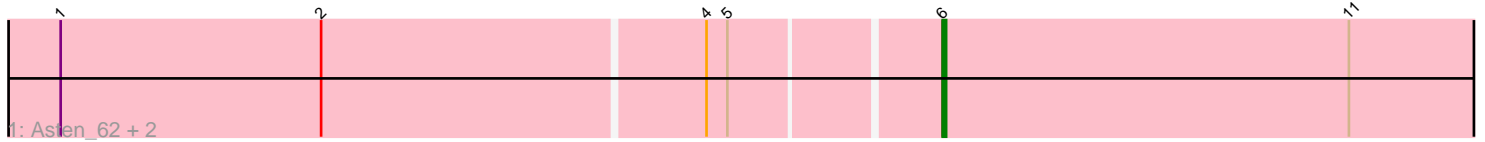


Pham 294941



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 294941 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294941 has 33 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Asten_62, Snorlax_62, SarahRose_62
- Track 2 : Lorelei_64, Rana_65
- Track 3 : Emaanora_65, Triste_63, TagePhighter_64, Werner_62, Whatever_62, Chucky_62
- Track 4 : Lika_64
- Track 5 : Hippo_62, TuanPN_60, Ejemplo_60, BarryBee_65
- Track 6 : Goby_65, Godpower_65, Toma_65, Sujidade_65
- Track 7 : Yasdnil_62, Maneekul_62
- Track 8 : Brataylor_66, Dattran_66, Danzina_65, Celeste_65, Zemlya_65
- Track 9 : Dwayne_62
- Track 10 : OzzyJ_64
- Track 11 : Itza_67, Celia_64, Urza_66, VieEnRose_66

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asten_62, BarryBee_65, Brataylor_66, Celeste_65, Celia_64, Chucky_62, Danzina_65, Dattran_66, Dwayne_62, Ejemplo_60, Emaanora_65, Goby_65, Godpower_65, Hippo_62, Itza_67, Lika_64, Lorelei_64, Maneekul_62, OzzyJ_64, Rana_65, SarahRose_62, Snorlax_62, Sujidade_65, TagePhighter_64, Toma_65, Triste_63, TuanPN_60, Urza_66, VieEnRose_66, Werner_62, Whatever_62, Yasdnil_62, Zemlya_65,

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

-

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

-

Summary by start number:

Start 6:

- Found in 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 33 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asten_62 (BD1), BarryBee_65 (BD1), Brataylor_66 (BD1), Celeste_65 (BD1), Celia_64 (BD6), Chucky_62 (BD1), Danzina_65 (BD1), Dattran_66 (BD1), Dwayne_62 (BD1), Ejemplo_60 (BD1), Emaanora_65 (BD1), Goby_65 (BD1), Godpower_65 (BD1), Hippo_62 (BD1), Itza_67 (BD6), Lika_64 (BD1), Lorelei_64 (BD1), Maneekul_62 (BD1), OzzyJ_64 (BD1), Rana_65 (BD1), SarahRose_62 (BD1), Snorlax_62 (BD1), Sujidade_65 (BD1), TaguePhighter_64 (BD1), Toma_65 (BD1), Triste_63 (BD1), TuanPN_60 (BD1), Urza_66 (BD6), VieEnRose_66 (BD6), Werner_62 (BD1), Whatever_62 (BD1), Yasdniil_62 (BD1), Zemlya_65 (BD1),

Summary by clusters:

There are 2 clusters represented in this pham: BD6, BD1,

Info for manual annotations of cluster BD1:

- Start number 6 was manually annotated 29 times for cluster BD1.

Info for manual annotations of cluster BD6:

- Start number 6 was manually annotated 4 times for cluster BD6.

Gene Information:

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 6

Candidate Starts for Asten_62:

(1, 45866), (2, 45791), (4, 45683), (5, 45677), (Start: 6 @45620 has 33 MA's), (11, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 6

Candidate Starts for BarryBee_65:

(3, 45660), (5, 45654), (Start: 6 @45597 has 33 MA's), (11, 45480),

Gene: Brataylor_66 Start: 45152, Stop: 44892, Start Num: 6

Candidate Starts for Brataylor_66:

(Start: 6 @45152 has 33 MA's), (9, 45095), (10, 45050),

Gene: Celeste_65 Start: 44617, Stop: 44357, Start Num: 6

Candidate Starts for Celeste_65:

(Start: 6 @44617 has 33 MA's), (9, 44560), (10, 44515),

Gene: Celia_64 Start: 43676, Stop: 43323, Start Num: 6

Candidate Starts for Celia_64:

(Start: 6 @43676 has 33 MA's), (7, 43649), (8, 43646), (12, 43559),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 6

Candidate Starts for Chucky_62:

(5, 45715), (Start: 6 @45658 has 33 MA's), (11, 45541),

Gene: Danzina_65 Start: 44866, Stop: 44606, Start Num: 6

Candidate Starts for Danzina_65:

(Start: 6 @44866 has 33 MA's), (9, 44809), (10, 44764),

Gene: Dattran_66 Start: 45008, Stop: 44748, Start Num: 6

Candidate Starts for Dattran_66:

(Start: 6 @45008 has 33 MA's), (9, 44951), (10, 44906),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 6

Candidate Starts for Dwayne_62:

(5, 45703), (Start: 6 @45646 has 33 MA's), (11, 45529),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 6

Candidate Starts for Ejemplo_60:

(3, 45648), (5, 45642), (Start: 6 @45585 has 33 MA's), (11, 45468),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 6

Candidate Starts for Emaanora_65:

(5, 45627), (Start: 6 @45570 has 33 MA's), (11, 45453),

Gene: Goby_65 Start: 45488, Stop: 45204, Start Num: 6

Candidate Starts for Goby_65:

(1, 45737), (5, 45545), (Start: 6 @45488 has 33 MA's), (10, 45386),

Gene: Godpower_65 Start: 44764, Stop: 44480, Start Num: 6

Candidate Starts for Godpower_65:

(1, 45013), (5, 44821), (Start: 6 @44764 has 33 MA's), (10, 44662),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 6

Candidate Starts for Hippo_62:

(3, 45696), (5, 45690), (Start: 6 @45633 has 33 MA's), (11, 45516),

Gene: Itza_67 Start: 43609, Stop: 43256, Start Num: 6

Candidate Starts for Itza_67:

(Start: 6 @43609 has 33 MA's), (7, 43582), (8, 43579), (12, 43492),

Gene: Lika_64 Start: 45317, Stop: 45033, Start Num: 6

Candidate Starts for Lika_64:

(5, 45374), (Start: 6 @45317 has 33 MA's), (10, 45215),

Gene: Lorelei_64 Start: 44624, Stop: 44364, Start Num: 6

Candidate Starts for Lorelei_64:

(1, 44873), (5, 44681), (Start: 6 @44624 has 33 MA's), (9, 44567), (10, 44522),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 6

Candidate Starts for Maneekul_62:

(Start: 6 @45663 has 33 MA's), (11, 45546),

Gene: OzzyJ_64 Start: 45554, Stop: 45249, Start Num: 6

Candidate Starts for OzzyJ_64:

(1, 45803), (5, 45614), (Start: 6 @45554 has 33 MA's), (11, 45443),

Gene: Rana_65 Start: 45046, Stop: 44786, Start Num: 6

Candidate Starts for Rana_65:

(1, 45295), (5, 45103), (Start: 6 @45046 has 33 MA's), (9, 44989), (10, 44944),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 6

Candidate Starts for SarahRose_62:

(1, 45878), (2, 45803), (4, 45695), (5, 45689), (Start: 6 @45632 has 33 MA's), (11, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 6

Candidate Starts for Snorlax_62:

(1, 45903), (2, 45828), (4, 45720), (5, 45714), (Start: 6 @45657 has 33 MA's), (11, 45540),

Gene: Sujidade_65 Start: 45552, Stop: 45268, Start Num: 6

Candidate Starts for Sujidade_65:

(1, 45801), (5, 45609), (Start: 6 @45552 has 33 MA's), (10, 45450),

Gene: TagePhighter_64 Start: 45633, Stop: 45322, Start Num: 6

Candidate Starts for TagePhighter_64:

(5, 45690), (Start: 6 @45633 has 33 MA's), (11, 45516),

Gene: Toma_65 Start: 45491, Stop: 45207, Start Num: 6

Candidate Starts for Toma_65:

(1, 45740), (5, 45548), (Start: 6 @45491 has 33 MA's), (10, 45389),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 6

Candidate Starts for Triste_63:

(5, 45689), (Start: 6 @45632 has 33 MA's), (11, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 6

Candidate Starts for TuanPN_60:

(3, 45648), (5, 45642), (Start: 6 @45585 has 33 MA's), (11, 45468),

Gene: Urza_66 Start: 43630, Stop: 43277, Start Num: 6

Candidate Starts for Urza_66:

(Start: 6 @43630 has 33 MA's), (7, 43603), (8, 43600), (12, 43513),

Gene: VieEnRose_66 Start: 43482, Stop: 43129, Start Num: 6

Candidate Starts for VieEnRose_66:

(Start: 6 @43482 has 33 MA's), (7, 43455), (8, 43452), (12, 43365),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 6

Candidate Starts for Werner_62:

(5, 45687), (Start: 6 @45630 has 33 MA's), (11, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 6

Candidate Starts for Whatever_62:

(5, 45712), (Start: 6 @45655 has 33 MA's), (11, 45538),

Gene: Yasdniil_62 Start: 45682, Stop: 45371, Start Num: 6

Candidate Starts for Yasdniil_62:

(Start: 6 @45682 has 33 MA's), (11, 45565),

Gene: Zemlya_65 Start: 45171, Stop: 44911, Start Num: 6

Candidate Starts for Zemlya_65:

(Start: 6 @45171 has 33 MA's), (9, 45114), (10, 45069),

