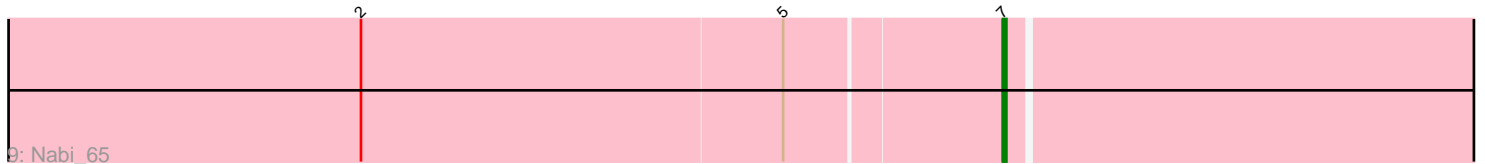
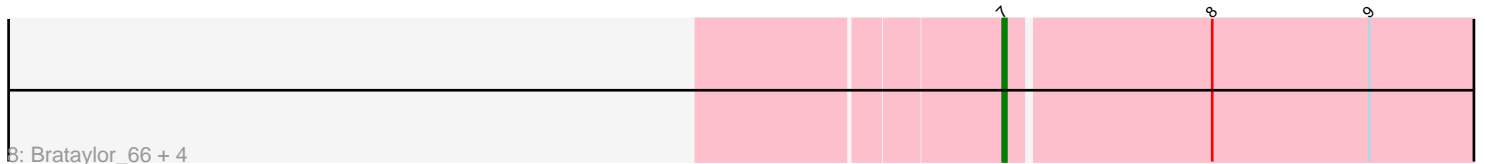
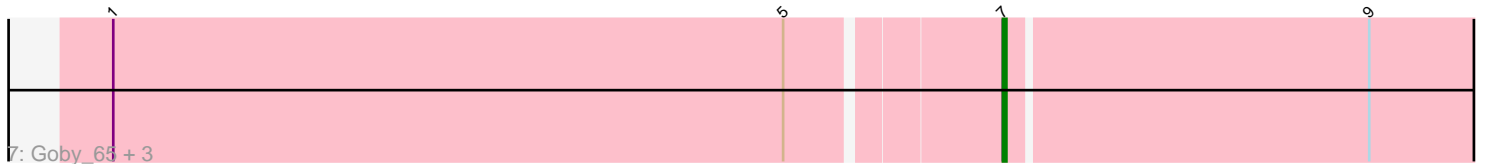
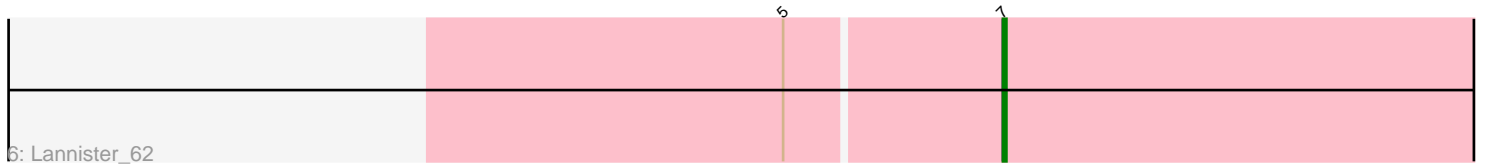
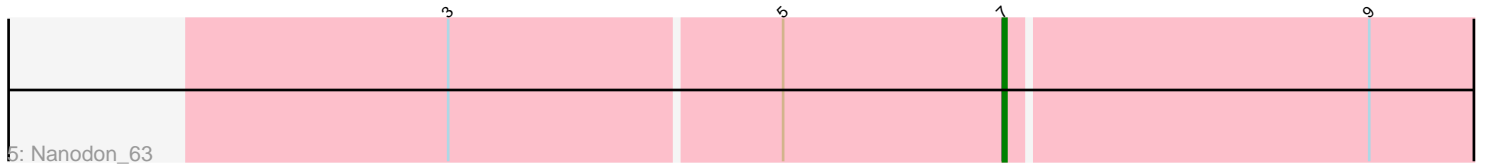
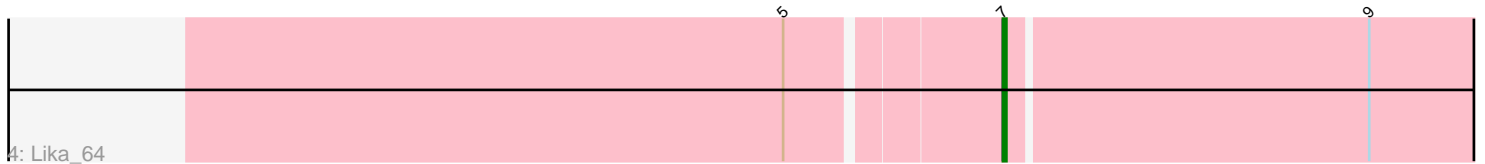
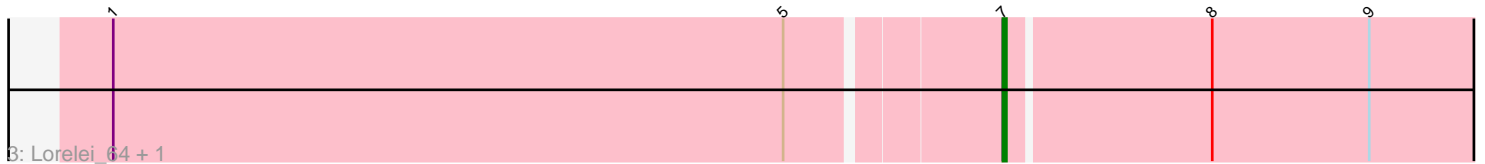
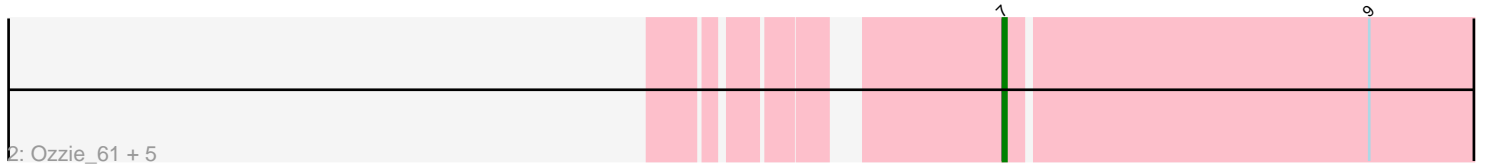
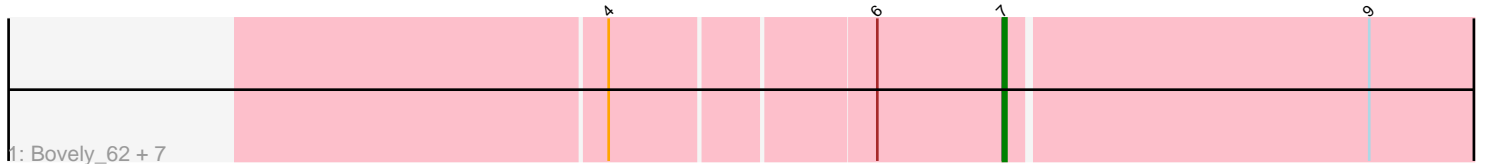


Pham 203199



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 203199 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203199 has 29 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bovely_62, Unstoppable_62, Phettuccine_62, Esperer_63, Indigo_61, Aaronocolus_62, Nerdos_61, Leviticus_63
- Track 2 : Ozzie_61, Caliburn_61, BeardedLady_62, Legacy_61, Hydra_64, SunsetPointe_61
- Track 3 : Lorelei_64, Rana_65
- Track 4 : Lika_64
- Track 5 : Nanodon_63
- Track 6 : Lannister_62
- Track 7 : Goby_65, Godpower_65, Toma_65, Sujidade_65
- Track 8 : Brataylor_66, Dattran_66, Danzina_65, Celeste_65, Zemlya_65
- Track 9 : Nabi_65

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

The start number called the most often in the published annotations is 7, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aaronocolus_62, BeardedLady_62, Bovely_62, Brataylor_66, Caliburn_61, Celeste_65, Danzina_65, Dattran_66, Esperer_63, Goby_65, Godpower_65, Hydra_64, Indigo_61, Lannister_62, Legacy_61, Leviticus_63, Lika_64, Lorelei_64, Nabi_65, Nanodon_63, Nerdos_61, Ozzie_61, Phettuccine_62, Rana_65, Sujidade_65, SunsetPointe_61, Toma_65, Unstoppable_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 7:

- Found in 29 of 29 (100.0%) of genes in pham

- Manual Annotations of this start: 29 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aaronocolus_62 (BD1), BeardedLady_62 (BD1), Bovely_62 (BD1), Brataylor_66 (BD1), Caliburn_61 (BD1), Celeste_65 (BD1), Danzina_65 (BD1), Dattran_66 (BD1), Esperer_63 (BD1), Goby_65 (BD1), Godpower_65 (BD1), Hydra_64 (BD1), Indigo_61 (BD1), Lannister_62 (BD1), Legacy_61 (BD1), Leviticus_63 (BD1), Lika_64 (BD1), Lorelei_64 (BD1), Nabi_65 (BD1), Nanodon_63 (BD1), Nerdos_61 (BD1), Ozzie_61 (BD1), Phettuccine_62 (BD1), Rana_65 (BD1), Sujidade_65 (BD1), SunsetPointe_61 (BD1), Toma_65 (BD1), Unstoppable_62 (BD1), Zemlya_65 (BD1),

Summary by clusters:

There is one cluster represented in this pham: BD1

Info for manual annotations of cluster BD1:

- Start number 7 was manually annotated 29 times for cluster BD1.

Gene Information:

Gene: Aaronocolus_62 Start: 43600, Stop: 43325, Start Num: 7

Candidate Starts for Aaronocolus_62:

(4, 43708), (6, 43636), (Start: 7 @43600 has 29 MA's), (9, 43498),

Gene: BeardedLady_62 Start: 43698, Stop: 43423, Start Num: 7

Candidate Starts for BeardedLady_62:

(Start: 7 @43698 has 29 MA's), (9, 43596),

Gene: Bovely_62 Start: 43603, Stop: 43328, Start Num: 7

Candidate Starts for Bovely_62:

(4, 43711), (6, 43639), (Start: 7 @43603 has 29 MA's), (9, 43501),

Gene: Brataylor_66 Start: 45152, Stop: 44892, Start Num: 7

Candidate Starts for Brataylor_66:

(Start: 7 @45152 has 29 MA's), (8, 45095), (9, 45050),

Gene: Caliburn_61 Start: 43704, Stop: 43429, Start Num: 7

Candidate Starts for Caliburn_61:

(Start: 7 @43704 has 29 MA's), (9, 43602),

Gene: Celeste_65 Start: 44617, Stop: 44357, Start Num: 7

Candidate Starts for Celeste_65:

(Start: 7 @44617 has 29 MA's), (8, 44560), (9, 44515),

Gene: Danzina_65 Start: 44866, Stop: 44606, Start Num: 7

Candidate Starts for Danzina_65:

(Start: 7 @44866 has 29 MA's), (8, 44809), (9, 44764),

Gene: Dattran_66 Start: 45008, Stop: 44748, Start Num: 7

Candidate Starts for Dattran_66:

(Start: 7 @45008 has 29 MA's), (8, 44951), (9, 44906),

Gene: Esperer_63 Start: 43946, Stop: 43671, Start Num: 7
Candidate Starts for Esperer_63:
(4, 44054), (6, 43982), (Start: 7 @43946 has 29 MA's), (9, 43844),

Gene: Goby_65 Start: 45488, Stop: 45204, Start Num: 7
Candidate Starts for Goby_65:
(1, 45737), (5, 45545), (Start: 7 @45488 has 29 MA's), (9, 45386),

Gene: Godpower_65 Start: 44764, Stop: 44480, Start Num: 7
Candidate Starts for Godpower_65:
(1, 45013), (5, 44821), (Start: 7 @44764 has 29 MA's), (9, 44662),

Gene: Hydra_64 Start: 44506, Stop: 44231, Start Num: 7
Candidate Starts for Hydra_64:
(Start: 7 @44506 has 29 MA's), (9, 44404),

Gene: Indigo_61 Start: 43596, Stop: 43321, Start Num: 7
Candidate Starts for Indigo_61:
(4, 43704), (6, 43632), (Start: 7 @43596 has 29 MA's), (9, 43494),

Gene: Lannister_62 Start: 44501, Stop: 44196, Start Num: 7
Candidate Starts for Lannister_62:
(5, 44561), (Start: 7 @44501 has 29 MA's),

Gene: Legacy_61 Start: 43695, Stop: 43420, Start Num: 7
Candidate Starts for Legacy_61:
(Start: 7 @43695 has 29 MA's), (9, 43593),

Gene: Leviticus_63 Start: 44133, Stop: 43858, Start Num: 7
Candidate Starts for Leviticus_63:
(4, 44241), (6, 44169), (Start: 7 @44133 has 29 MA's), (9, 44031),

Gene: Lika_64 Start: 45317, Stop: 45033, Start Num: 7
Candidate Starts for Lika_64:
(5, 45374), (Start: 7 @45317 has 29 MA's), (9, 45215),

Gene: Lorelei_64 Start: 44624, Stop: 44364, Start Num: 7
Candidate Starts for Lorelei_64:
(1, 44873), (5, 44681), (Start: 7 @44624 has 29 MA's), (8, 44567), (9, 44522),

Gene: Nabi_65 Start: 45193, Stop: 44897, Start Num: 7
Candidate Starts for Nabi_65:
(2, 45373), (5, 45253), (Start: 7 @45193 has 29 MA's),

Gene: Nanodon_63 Start: 44114, Stop: 43854, Start Num: 7
Candidate Starts for Nanodon_63:
(3, 44270), (5, 44177), (Start: 7 @44114 has 29 MA's), (9, 44012),

Gene: Nerdos_61 Start: 43595, Stop: 43320, Start Num: 7
Candidate Starts for Nerdos_61:
(4, 43703), (6, 43631), (Start: 7 @43595 has 29 MA's), (9, 43493),

Gene: Ozzie_61 Start: 43704, Stop: 43429, Start Num: 7

Candidate Starts for Ozzie_61:

(Start: 7 @43704 has 29 MA's), (9, 43602),

Gene: Phettuccine_62 Start: 43596, Stop: 43321, Start Num: 7

Candidate Starts for Phettuccine_62:

(4, 43704), (6, 43632), (Start: 7 @43596 has 29 MA's), (9, 43494),

Gene: Rana_65 Start: 45046, Stop: 44786, Start Num: 7

Candidate Starts for Rana_65:

(1, 45295), (5, 45103), (Start: 7 @45046 has 29 MA's), (8, 44989), (9, 44944),

Gene: Sujidade_65 Start: 45552, Stop: 45268, Start Num: 7

Candidate Starts for Sujidade_65:

(1, 45801), (5, 45609), (Start: 7 @45552 has 29 MA's), (9, 45450),

Gene: SunsetPointe_61 Start: 43711, Stop: 43436, Start Num: 7

Candidate Starts for SunsetPointe_61:

(Start: 7 @43711 has 29 MA's), (9, 43609),

Gene: Toma_65 Start: 45491, Stop: 45207, Start Num: 7

Candidate Starts for Toma_65:

(1, 45740), (5, 45548), (Start: 7 @45491 has 29 MA's), (9, 45389),

Gene: Unstoppable_62 Start: 43594, Stop: 43319, Start Num: 7

Candidate Starts for Unstoppable_62:

(4, 43702), (6, 43630), (Start: 7 @43594 has 29 MA's), (9, 43492),

Gene: Zemlya_65 Start: 45171, Stop: 44911, Start Num: 7

Candidate Starts for Zemlya_65:

(Start: 7 @45171 has 29 MA's), (8, 45114), (9, 45069),