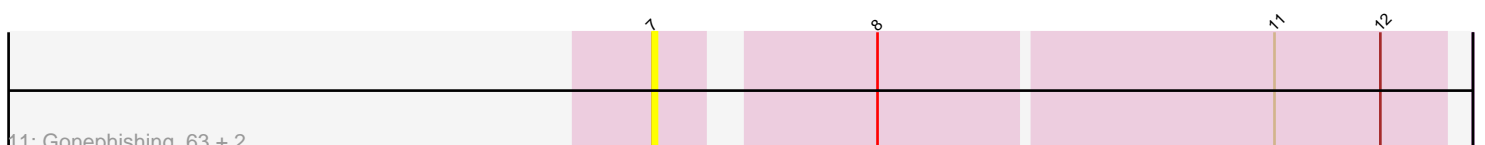
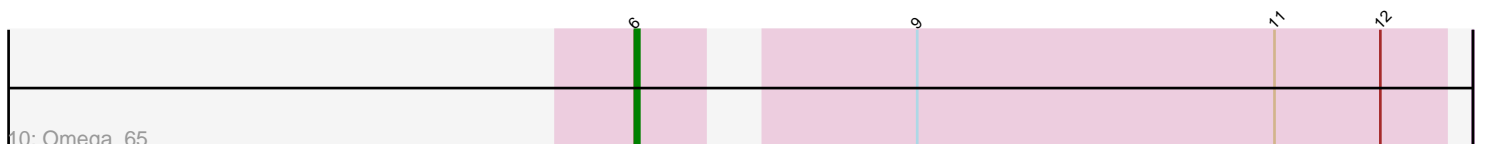
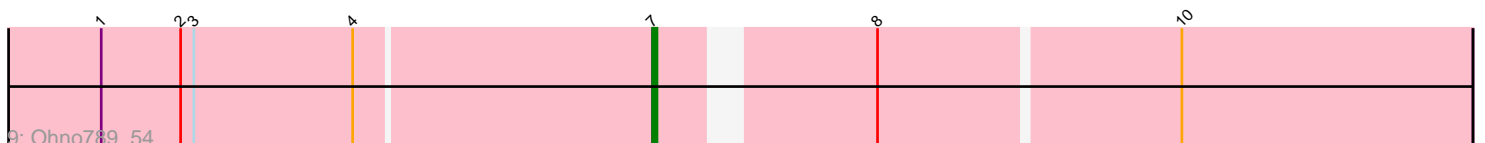
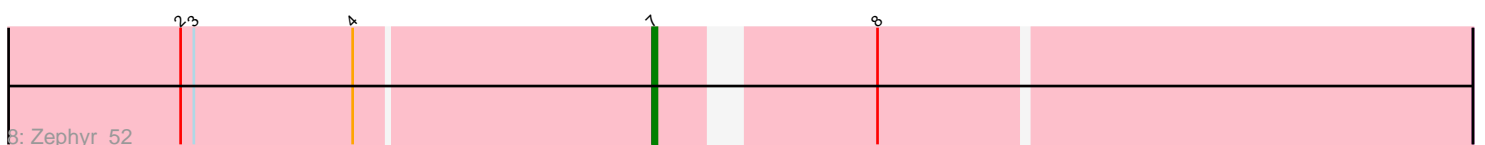
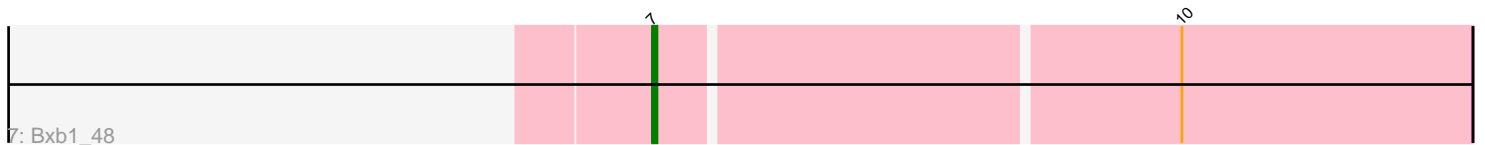
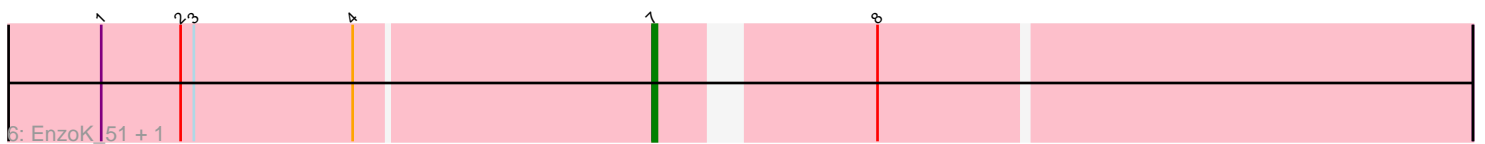
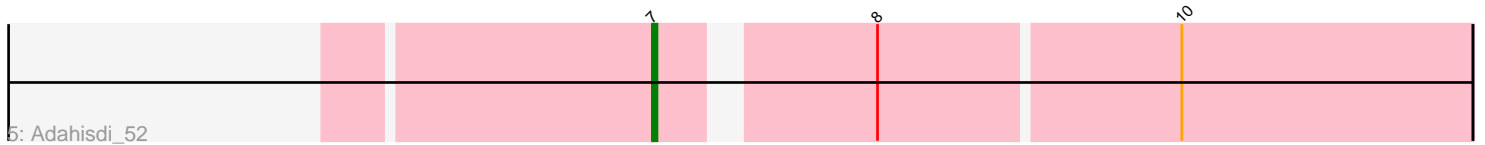
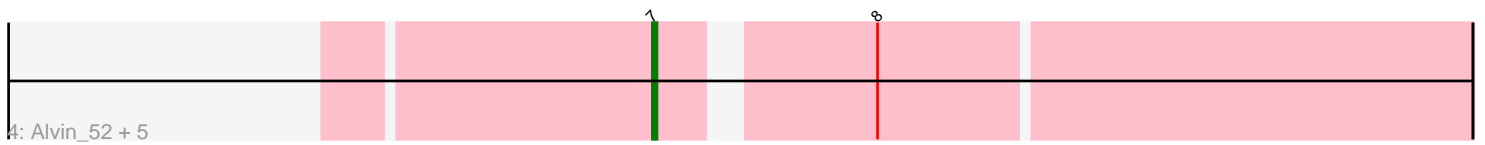
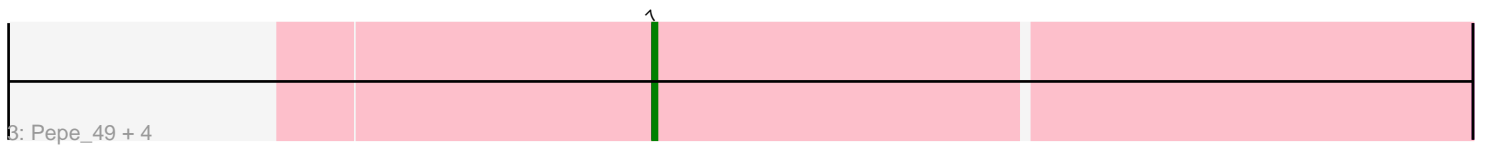
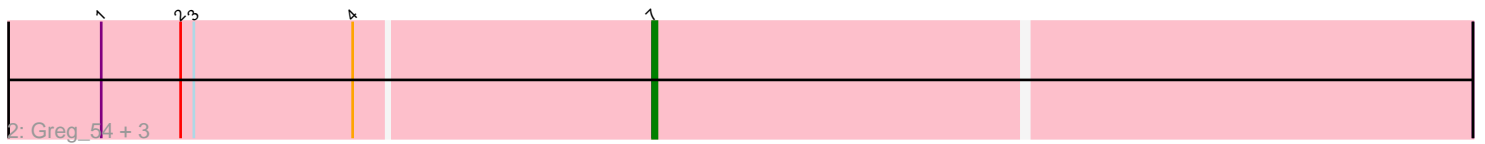


Pham 296810



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 296810 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296810 has 30 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Tote_48, Seabiscuit_55, Swole_53, JuliaChild_53, McGuire_54
- Track 2 : Greg_54, Pippin_54, Ciao_52, Fajezeel_54
- Track 3 : Pepe_49, Abbyshoes_55, Kenmech_56, Dussy_54, Tripl3t_52
- Track 4 : Alvin_52, MrGordo_52, DrFeelGood_50, Trouble_55, Big3_52, Zeeculate_50
- Track 5 : Adahisdi_52
- Track 6 : EnzoK_51, Dulcie_53
- Track 7 : Bxb1_48
- Track 8 : Zephyr_52
- Track 9 : Ohno789_54
- Track 10 : Omega_65
- Track 11 : Gonephishing_63, BronnyJames_57, Shaboozey_56

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 26 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abbyshoes_55, Adahisdi_52, Alvin_52, Big3_52, BronnyJames_57, Bxb1_48, Ciao_52, DrFeelGood_50, Dulcie_53, Dussy_54, EnzoK_51, Fajezeel_54, Gonephishing_63, Greg_54, JuliaChild_53, Kenmech_56, McGuire_54, MrGordo_52, Ohno789_54, Pepe_49, Pippin_54, Seabiscuit_55, Shaboozey_56, Swole_53, Tote_48, Tripl3t_52, Trouble_55, Zeeculate_50, Zephyr_52,

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

-

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

- Omega_65,

Summary by start number:

Start 6:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omega_65 (J),

Start 7:

- Found in 29 of 30 (96.7%) of genes in pham
- Manual Annotations of this start: 26 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abbyshoes_55 (A1), Adahisdi_52 (A1), Alvin_52 (A1), Big3_52 (A1), BronnyJames_57 (J), Bxb1_48 (A1), Ciao_52 (A1), DrFeelGood_50 (A1), Dulcie_53 (A1), Dussy_54 (A1), EnzoK_51 (A1), Fajezeel_54 (A1), Gonephishing_63 (J), Greg_54 (A1), JuliaChild_53 (A1), Kenmech_56 (A1), McGuire_54 (A1), MrGordo_52 (A1), Ohno789_54 (A1), Pepe_49 (A1), Pippin_54 (A1), Seabiscuit_55 (A1), Shaboozey_56 (J), Swole_53 (A1), Tote_48 (A1), Tripl3t_52 (A1), Trouble_55 (A1), Zeeculate_50 (A1), Zephyr_52 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, J,

Info for manual annotations of cluster A1:

- Start number 7 was manually annotated 26 times for cluster A1.

Info for manual annotations of cluster J:

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

Gene Information:

Gene: Abbyshoes_55 Start: 38782, Stop: 38600, Start Num: 7

Candidate Starts for Abbyshoes_55:

(Start: 7 @38782 has 26 MA's),

Gene: Adahisdi_52 Start: 38524, Stop: 38351, Start Num: 7

Candidate Starts for Adahisdi_52:

(Start: 7 @38524 has 26 MA's), (8, 38482), (10, 38416),

Gene: Alvin_52 Start: 38173, Stop: 38000, Start Num: 7

Candidate Starts for Alvin_52:

(Start: 7 @38173 has 26 MA's), (8, 38131),

Gene: Big3_52 Start: 38865, Stop: 38692, Start Num: 7

Candidate Starts for Big3_52:

(Start: 7 @38865 has 26 MA's), (8, 38823),

Gene: BronnyJames_57 Start: 41950, Stop: 41783, Start Num: 7

Candidate Starts for BronnyJames_57:

(Start: 7 @41950 has 26 MA's), (8, 41908), (11, 41821), (12, 41797),

Gene: Bxb1_48 Start: 36963, Stop: 36784, Start Num: 7

Candidate Starts for Bxb1_48:

(Start: 7 @36963 has 26 MA's), (10, 36849),

Gene: Ciao_52 Start: 37610, Stop: 37428, Start Num: 7

Candidate Starts for Ciao_52:

(1, 37733), (2, 37715), (3, 37712), (4, 37676), (Start: 7 @37610 has 26 MA's),

Gene: DrFeelGood_50 Start: 37621, Stop: 37448, Start Num: 7

Candidate Starts for DrFeelGood_50:

(Start: 7 @37621 has 26 MA's), (8, 37579),

Gene: Dulcie_53 Start: 37830, Stop: 37657, Start Num: 7

Candidate Starts for Dulcie_53:

(1, 37953), (2, 37935), (3, 37932), (4, 37896), (Start: 7 @37830 has 26 MA's), (8, 37788),

Gene: Dussy_54 Start: 38802, Stop: 38620, Start Num: 7

Candidate Starts for Dussy_54:

(Start: 7 @38802 has 26 MA's),

Gene: EnzoK_51 Start: 35427, Stop: 35254, Start Num: 7

Candidate Starts for EnzoK_51:

(1, 35550), (2, 35532), (3, 35529), (4, 35493), (Start: 7 @35427 has 26 MA's), (8, 35385),

Gene: Fajezeel_54 Start: 37959, Stop: 37777, Start Num: 7

Candidate Starts for Fajezeel_54:

(1, 38082), (2, 38064), (3, 38061), (4, 38025), (Start: 7 @37959 has 26 MA's),

Gene: Gonephishing_63 Start: 44987, Stop: 44820, Start Num: 7

Candidate Starts for Gonephishing_63:

(Start: 7 @44987 has 26 MA's), (8, 44945), (11, 44858), (12, 44834),

Gene: Greg_54 Start: 37959, Stop: 37777, Start Num: 7

Candidate Starts for Greg_54:

(1, 38082), (2, 38064), (3, 38061), (4, 38025), (Start: 7 @37959 has 26 MA's),

Gene: JuliaChild_53 Start: 37630, Stop: 37451, Start Num: 7

Candidate Starts for JuliaChild_53:

(5, 37657), (Start: 7 @37630 has 26 MA's),

Gene: Kenmech_56 Start: 39928, Stop: 39746, Start Num: 7

Candidate Starts for Kenmech_56:

(Start: 7 @39928 has 26 MA's),

Gene: McGuire_54 Start: 37727, Stop: 37548, Start Num: 7

Candidate Starts for McGuire_54:

(5, 37754), (Start: 7 @37727 has 26 MA's),

Gene: MrGordo_52 Start: 38105, Stop: 37932, Start Num: 7

Candidate Starts for MrGordo_52:

(Start: 7 @38105 has 26 MA's), (8, 38063),

Gene: Ohno789_54 Start: 38616, Stop: 38443, Start Num: 7

Candidate Starts for Ohno789_54:

(1, 38739), (2, 38721), (3, 38718), (4, 38682), (Start: 7 @38616 has 26 MA's), (8, 38574), (10, 38508),

Gene: Omega_65 Start: 47992, Stop: 47822, Start Num: 6
Candidate Starts for Omega_65:
(Start: 6 @47992 has 1 MA's), (9, 47941), (11, 47860), (12, 47836),

Gene: Pepe_49 Start: 36807, Stop: 36625, Start Num: 7
Candidate Starts for Pepe_49:
(Start: 7 @36807 has 26 MA's),

Gene: Pippin_54 Start: 38003, Stop: 37821, Start Num: 7
Candidate Starts for Pippin_54:
(1, 38126), (2, 38108), (3, 38105), (4, 38069), (Start: 7 @38003 has 26 MA's),

Gene: Seabiscuit_55 Start: 37814, Stop: 37635, Start Num: 7
Candidate Starts for Seabiscuit_55:
(5, 37841), (Start: 7 @37814 has 26 MA's),

Gene: Shaboozey_56 Start: 41971, Stop: 41804, Start Num: 7
Candidate Starts for Shaboozey_56:
(Start: 7 @41971 has 26 MA's), (8, 41929), (11, 41842), (12, 41818),

Gene: Swole_53 Start: 37105, Stop: 36926, Start Num: 7
Candidate Starts for Swole_53:
(5, 37132), (Start: 7 @37105 has 26 MA's),

Gene: Tote_48 Start: 34372, Stop: 34193, Start Num: 7
Candidate Starts for Tote_48:
(5, 34399), (Start: 7 @34372 has 26 MA's),

Gene: Tripl3t_52 Start: 39208, Stop: 39026, Start Num: 7
Candidate Starts for Tripl3t_52:
(Start: 7 @39208 has 26 MA's),

Gene: Trouble_55 Start: 39314, Stop: 39141, Start Num: 7
Candidate Starts for Trouble_55:
(Start: 7 @39314 has 26 MA's), (8, 39272),

Gene: Zeeculate_50 Start: 38630, Stop: 38457, Start Num: 7
Candidate Starts for Zeeculate_50:
(Start: 7 @38630 has 26 MA's), (8, 38588),

Gene: Zephyr_52 Start: 37519, Stop: 37346, Start Num: 7
Candidate Starts for Zephyr_52:
(2, 37624), (3, 37621), (4, 37585), (Start: 7 @37519 has 26 MA's), (8, 37477),