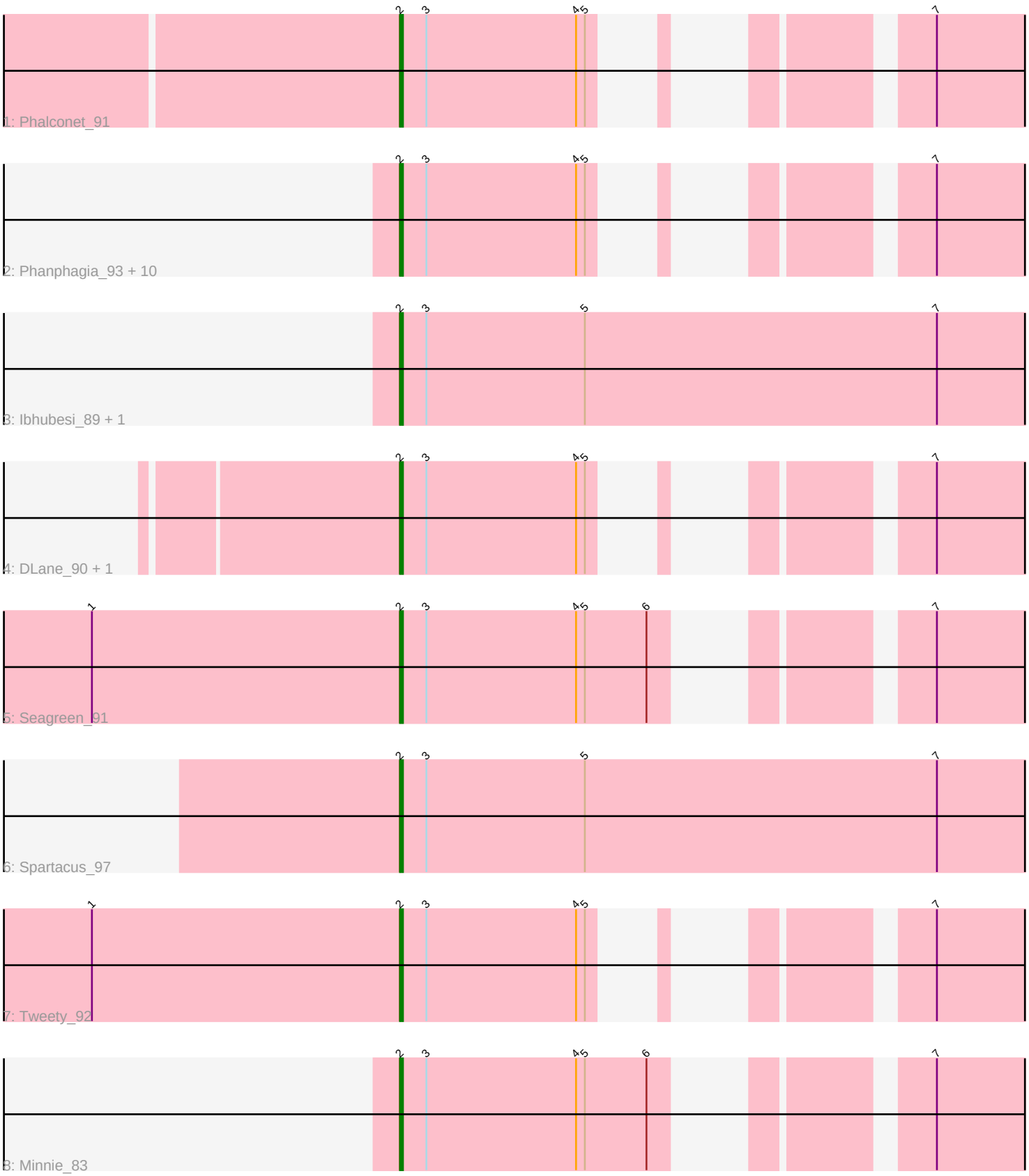
Pham 86698


1: Phalconet_91
2: Phanphagia_93 + 10
3: Ibhubesi_89 + 1
4: DLane_90 + 1
5: Seagreen_91
6: Spartacus_97
7: Tweety_92
8: Minnie_83

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 86698 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86698 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phalconet_91
• Track 2 : Phanphagia_93, BigPhil_85, MilanaBonita_85, Coco12_89, Cerasum_86, Sarma624_91, Shauna1_90, Kingsley_96, Akhila_86, Velveteen_86, StAnnes_95
• Track 3 : Ibhubesi_89, Royals2015_95
• Track 4 : DLane_90, Mova_94
• Track 5 : Seagreen_91
• Track 6 : Spartacus_97
• Track 7 : Tweety_92
• Track 8 : Minnie_83

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_86, BigPhil_85, Cerasum_86, Coco12_89, DLane_90, Ibhubesi_89, Kingsley_96, MilanaBonita_85, Minnie_83, Mova_94, Phalconet_91, Phanphagia_93, Royals2015_95, Sarma624_91, Seagreen_91, Shauna1_90, Spartacus_97, StAnnes_95, Tweety_92, Velveteen_86,

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 2:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Akhila_86 (F1), BigPhil_85 (F1), Cerasum_86 (F1), Coco12_89 (F1), DLane_90 (F1), Ibhubesi_89 (F1), Kingsley_96 (F1), MilanaBonita_85 (F1), Minnie_83 (F1), Mova_94 (F1), Phalconet_91 (F1), Phanphagia_93 (F1), Royals2015_95 (F1), Sarma624_91 (F1), Seagreen_91 (F1), Shauna1_90 (F1), Spartacus_97 (F1), StAnnes_95 (F1), Tweety_92 (F1), Velveteen_86 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 20 times for cluster F1.

Gene Information:

Gene: Akhila_86 Start: 50034, Stop: 50192, Start Num: 2
Candidate Starts for Akhila_86:
(Start: 2 @50034 has 20 MA's), (3, 50043), (4, 50094), (5, 50097), (7, 50157),

Gene: BigPhil_85 Start: 47501, Stop: 47659, Start Num: 2
Candidate Starts for BigPhil_85:
(Start: 2 @47501 has 20 MA's), (3, 47510), (4, 47561), (5, 47564), (7, 47624),

Gene: Cerasum_86 Start: 47519, Stop: 47677, Start Num: 2
Candidate Starts for Cerasum_86:
(Start: 2 @47519 has 20 MA's), (3, 47528), (4, 47579), (5, 47582), (7, 47642),

Gene: Coco12_89 Start: 51576, Stop: 51734, Start Num: 2
Candidate Starts for Coco12_89:
(Start: 2 @51576 has 20 MA's), (3, 51585), (4, 51636), (5, 51639), (7, 51699),

Gene: DLane_90 Start: 52370, Stop: 52540, Start Num: 2
Candidate Starts for DLane_90:
(Start: 2 @52370 has 20 MA's), (3, 52379), (4, 52430), (5, 52433), (7, 52493),

Gene: Ibhubesi_89 Start: 49360, Stop: 49578, Start Num: 2
Candidate Starts for Ibhubesi_89:
(Start: 2 @49360 has 20 MA's), (3, 49369), (5, 49423), (7, 49543),

Gene: Kingsley_96 Start: 54183, Stop: 54341, Start Num: 2
Candidate Starts for Kingsley_96:
(Start: 2 @54183 has 20 MA's), (3, 54192), (4, 54243), (5, 54246), (7, 54306),

Gene: MilanaBonita_85 Start: 50034, Stop: 50192, Start Num: 2
Candidate Starts for MilanaBonita_85:
(Start: 2 @50034 has 20 MA's), (3, 50043), (4, 50094), (5, 50097), (7, 50157),

Gene: Minnie_83 Start: 51793, Stop: 51966, Start Num: 2
Candidate Starts for Minnie_83:
(Start: 2 @51793 has 20 MA's), (3, 51802), (4, 51853), (5, 51856), (6, 51877), (7, 51937),

Gene: Mova_94 Start: 51853, Stop: 52014, Start Num: 2
Candidate Starts for Mova_94:
(Start: 2 @51853 has 20 MA's), (3, 51862), (4, 51913), (5, 51916), (7, 51976),

Gene: Phalconet_91 Start: 51408, Stop: 51578, Start Num: 2
Candidate Starts for Phalconet_91:
(Start: 2 @51408 has 20 MA's), (3, 51417), (4, 51468), (5, 51471), (7, 51531),

Gene: Phanphagia_93 Start: 52422, Stop: 52580, Start Num: 2
Candidate Starts for Phanphagia_93:
(Start: 2 @52422 has 20 MA's), (3, 52431), (4, 52482), (5, 52485), (7, 52545),

Gene: Royals2015_95 Start: 50728, Stop: 50952, Start Num: 2
Candidate Starts for Royals2015_95:
(Start: 2 @50728 has 20 MA's), (3, 50737), (5, 50791), (7, 50911),

Gene: Sarma624_91 Start: 48195, Stop: 48353, Start Num: 2
Candidate Starts for Sarma624_91:
(Start: 2 @48195 has 20 MA's), (3, 48204), (4, 48255), (5, 48258), (7, 48318),

Gene: Seagreen_91 Start: 51890, Stop: 52081, Start Num: 2
Candidate Starts for Seagreen_91:
(1, 51785), (Start: 2 @51890 has 20 MA's), (3, 51899), (4, 51950), (5, 51953), (6, 51974), (7, 52034),

Gene: Shauna1_90 Start: 52038, Stop: 52196, Start Num: 2
Candidate Starts for Shauna1_90:
(Start: 2 @52038 has 20 MA's), (3, 52047), (4, 52098), (5, 52101), (7, 52161),

Gene: Spartacus_97 Start: 54089, Stop: 54307, Start Num: 2
Candidate Starts for Spartacus_97:
(Start: 2 @54089 has 20 MA's), (3, 54098), (5, 54152), (7, 54272),

Gene: StAnnes_95 Start: 53068, Stop: 53229, Start Num: 2
Candidate Starts for StAnnes_95:
(Start: 2 @53068 has 20 MA's), (3, 53077), (4, 53128), (5, 53131), (7, 53191),

Gene: Tweety_92 Start: 52487, Stop: 52654, Start Num: 2
Candidate Starts for Tweety_92:
(1, 52382), (Start: 2 @52487 has 20 MA's), (3, 52496), (4, 52547), (5, 52550), (7, 52610),

Gene: Velveteen_86 Start: 48195, Stop: 48353, Start Num: 2
Candidate Starts for Velveteen_86:
(Start: 2 @48195 has 20 MA's), (3, 48204), (4, 48255), (5, 48258), (7, 48318),