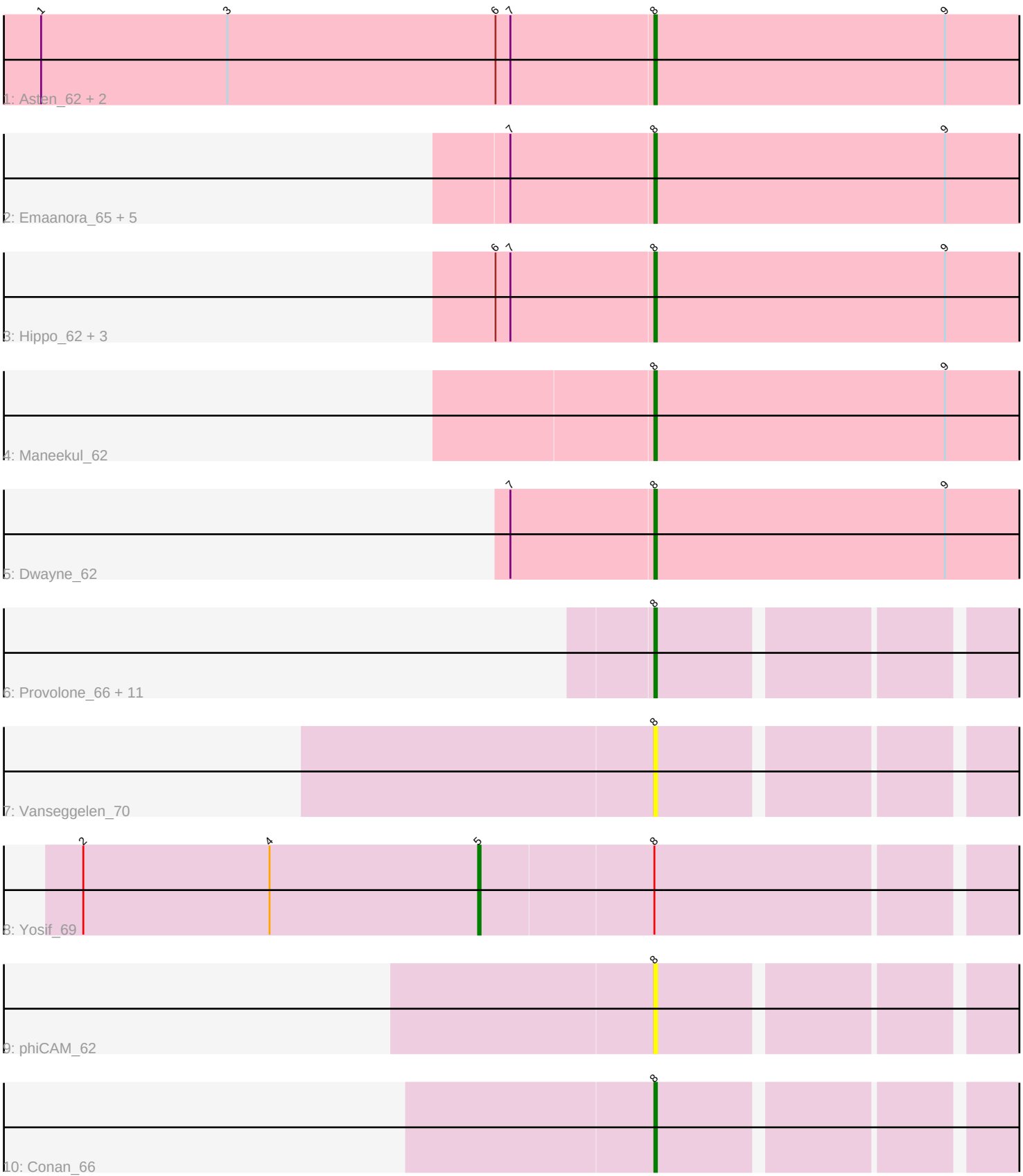
Pham 224785


1
3
6
7
8
9
1: Asten_62 + 2
7
8
9
2: Emaanora_65 + 5
6
7
8
9
3: Hippo_62 + 3
8
9
4: Maneekul_62
7
8
9
5: Dwayne_62
8
6: Provolone_66 + 11
8
7: Vanseggelen_70
2
4
5
8
8: Yosif_69
8
9: phiCAM_62
8
10: Conan_66

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 224785 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224785 has 31 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Asten_62, SarahRose_62, Snorlax_62
• Track 2 : Emaanora_65, Triste_63, TagePhighter_64, Werner_62, Whatever_62, Chucky_62
• Track 3 : Hippo_62, TuanPN_60, Ejemplo_60, BarryBee_65
• Track 4 : Maneekul_62
• Track 5 : Dwayne_62
• Track 6 : Provolone_66, Speedwell_68, Verse_66, Dexers_63, Alsaber_65, Amela_65, ElGato_66, Saftant_63, Celery_68, Pavo_66, Kaine_65, Verabelle_68
• Track 7 : Vanseggelen_70
• Track 8 : Yosif_69
• Track 9 : phiCAM_62
• Track 10 : Conan_66

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

The start number called the most often in the published annotations is 8, it was called in 26 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_65, Amela_65, Asten_62, BarryBee_65, Celery_68, Chucky_62, Conan_66, Dexers_63, Dwayne_62, Ejemplo_60, ElGato_66, Emaanora_65, Hippo_62, Kaine_65, Maneekul_62, Pavo_66, Provolone_66, Saftant_63, SarahRose_62, Snorlax_62, Speedwell_68, TagePhighter_64, Triste_63, TuanPN_60, Vanseggelen_70, Verabelle_68, Verse_66, Werner_62, Whatever_62, phiCAM_62,

Genes that have the "Most Annotated" start but do not call it:
• Yosif_69,

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

Summary by start number:

Start 5:

• Found in 1 of 31 (3.2%) 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: Yosif_69 (BD3),

Start 8:
• Found in 31 of 31 (100.0%) of genes in pham
• Manual Annotations of this start: 26 of 27
• Called 96.8% of time when present
• Phage (with cluster) where this start called: Alsaber_65 (BD3), Amela_65 (BD3), Asten_62 (BD1), BarryBee_65 (BD1), Celery_68 (BD3), Chucky_62 (BD1), Conan_66 (BD3), Dexers_63 (BD3), Dwayne_62 (BD1), Ejemplo_60 (BD1), ElGato_66 (BD3), Emaanora_65 (BD1), Hippo_62 (BD1), Kaine_65 (BD3), Maneekul_62 (BD1), Pavo_66 (BD3), Provolone_66 (BD3), Saftant_63 (BD3), SarahRose_62 (BD1), Snorlax_62 (BD1), Speedwell_68 (BD3), TagePhighter_64 (BD1), Triste_63 (BD1), TuanPN_60 (BD1), Vanseggelen_70 (BD3), Verabelle_68 (BD3), Verse_66 (BD3), Werner_62 (BD1), Whatever_62 (BD1), phiCAM_62 (BD3),

Summary by clusters:

There are 2 clusters represented in this pham: BD1, BD3,

Info for manual annotations of cluster BD1:
•Start number 8 was manually annotated 15 times for cluster BD1.

Info for manual annotations of cluster BD3:
•Start number 5 was manually annotated 1 time for cluster BD3.
•Start number 8 was manually annotated 11 times for cluster BD3.

Gene Information:

Gene: Alsaber_65 Start: 43432, Stop: 43151, Start Num: 8
Candidate Starts for Alsaber_65:
(Start: 8 @43432 has 26 MA's),

Gene: Amela_65 Start: 44414, Stop: 44145, Start Num: 8
Candidate Starts for Amela_65:
(Start: 8 @44414 has 26 MA's),

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 8
Candidate Starts for Asten_62:
(1, 45866), (3, 45791), (6, 45683), (7, 45677), (Start: 8 @45620 has 26 MA's), (9, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 8
Candidate Starts for BarryBee_65:
(6, 45660), (7, 45654), (Start: 8 @45597 has 26 MA's), (9, 45480),

Gene: Celery_68 Start: 43343, Stop: 43065, Start Num: 8
Candidate Starts for Celery_68:
(Start: 8 @43343 has 26 MA's),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 8
Candidate Starts for Chucky_62:
(7, 45715), (Start: 8 @45658 has 26 MA's), (9, 45541),

Gene: Conan_66 Start: 43683, Stop: 43417, Start Num: 8
Candidate Starts for Conan_66:
(Start: 8 @43683 has 26 MA's),

Gene: Dexers_63 Start: 43658, Stop: 43389, Start Num: 8
Candidate Starts for Dexers_63:
(Start: 8 @43658 has 26 MA's),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 8
Candidate Starts for Dwayne_62:
(7, 45703), (Start: 8 @45646 has 26 MA's), (9, 45529),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 8
Candidate Starts for Ejemplo_60:
(6, 45648), (7, 45642), (Start: 8 @45585 has 26 MA's), (9, 45468),

Gene: ElGato_66 Start: 43561, Stop: 43289, Start Num: 8
Candidate Starts for ElGato_66:
(Start: 8 @43561 has 26 MA's),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 8
Candidate Starts for Emaanora_65:
(7, 45627), (Start: 8 @45570 has 26 MA's), (9, 45453),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 8
Candidate Starts for Hippo_62:
(6, 45696), (7, 45690), (Start: 8 @45633 has 26 MA's), (9, 45516),

Gene: Kaine_65 Start: 43456, Stop: 43175, Start Num: 8
Candidate Starts for Kaine_65:
(Start: 8 @43456 has 26 MA's),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 8
Candidate Starts for Maneekul_62:
(Start: 8 @45663 has 26 MA's), (9, 45546),

Gene: Pavo_66 Start: 43632, Stop: 43360, Start Num: 8
Candidate Starts for Pavo_66:
(Start: 8 @43632 has 26 MA's),

Gene: Provolone_66 Start: 43773, Stop: 43501, Start Num: 8
Candidate Starts for Provolone_66:
(Start: 8 @43773 has 26 MA's),

Gene: Saftant_63 Start: 43520, Stop: 43239, Start Num: 8
Candidate Starts for Saftant_63:
(Start: 8 @43520 has 26 MA's),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 8

Candidate Starts for SarahRose_62:
(1, 45878), (3, 45803), (6, 45695), (7, 45689), (Start: 8 @45632 has 26 MA's), (9, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 8
Candidate Starts for Snorlax_62:
(1, 45903), (3, 45828), (6, 45720), (7, 45714), (Start: 8 @45657 has 26 MA's), (9, 45540),

Gene: Speedwell_68 Start: 44565, Stop: 44284, Start Num: 8
Candidate Starts for Speedwell_68:
(Start: 8 @44565 has 26 MA's),

Gene: TagePhighter_64 Start: 45633, Stop: 45322, Start Num: 8
Candidate Starts for TagePhighter_64:
(7, 45690), (Start: 8 @45633 has 26 MA's), (9, 45516),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 8
Candidate Starts for Triste_63:
(7, 45689), (Start: 8 @45632 has 26 MA's), (9, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 8
Candidate Starts for TuanPN_60:
(6, 45648), (7, 45642), (Start: 8 @45585 has 26 MA's), (9, 45468),

Gene: Vanseggelen_70 Start: 43501, Stop: 43232, Start Num: 8
Candidate Starts for Vanseggelen_70:
(Start: 8 @43501 has 26 MA's),

Gene: Verabelle_68 Start: 43108, Stop: 42839, Start Num: 8
Candidate Starts for Verabelle_68:
(Start: 8 @43108 has 26 MA's),

Gene: Verse_66 Start: 44405, Stop: 44136, Start Num: 8
Candidate Starts for Verse_66:
(Start: 8 @44405 has 26 MA's),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 8
Candidate Starts for Werner_62:
(7, 45687), (Start: 8 @45630 has 26 MA's), (9, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 8
Candidate Starts for Whatever_62:
(7, 45712), (Start: 8 @45655 has 26 MA's), (9, 45538),

Gene: Yosif_69 Start: 44982, Stop: 44650, Start Num: 5
Candidate Starts for Yosif_69:
(2, 45141), (4, 45066), (Start: 5 @44982 has 1 MA's), (Start: 8 @44913 has 26 MA's),

Gene: phiCAM_62 Start: 45181, Stop: 44900, Start Num: 8
Candidate Starts for phiCAM_62:
(Start: 8 @45181 has 26 MA's),