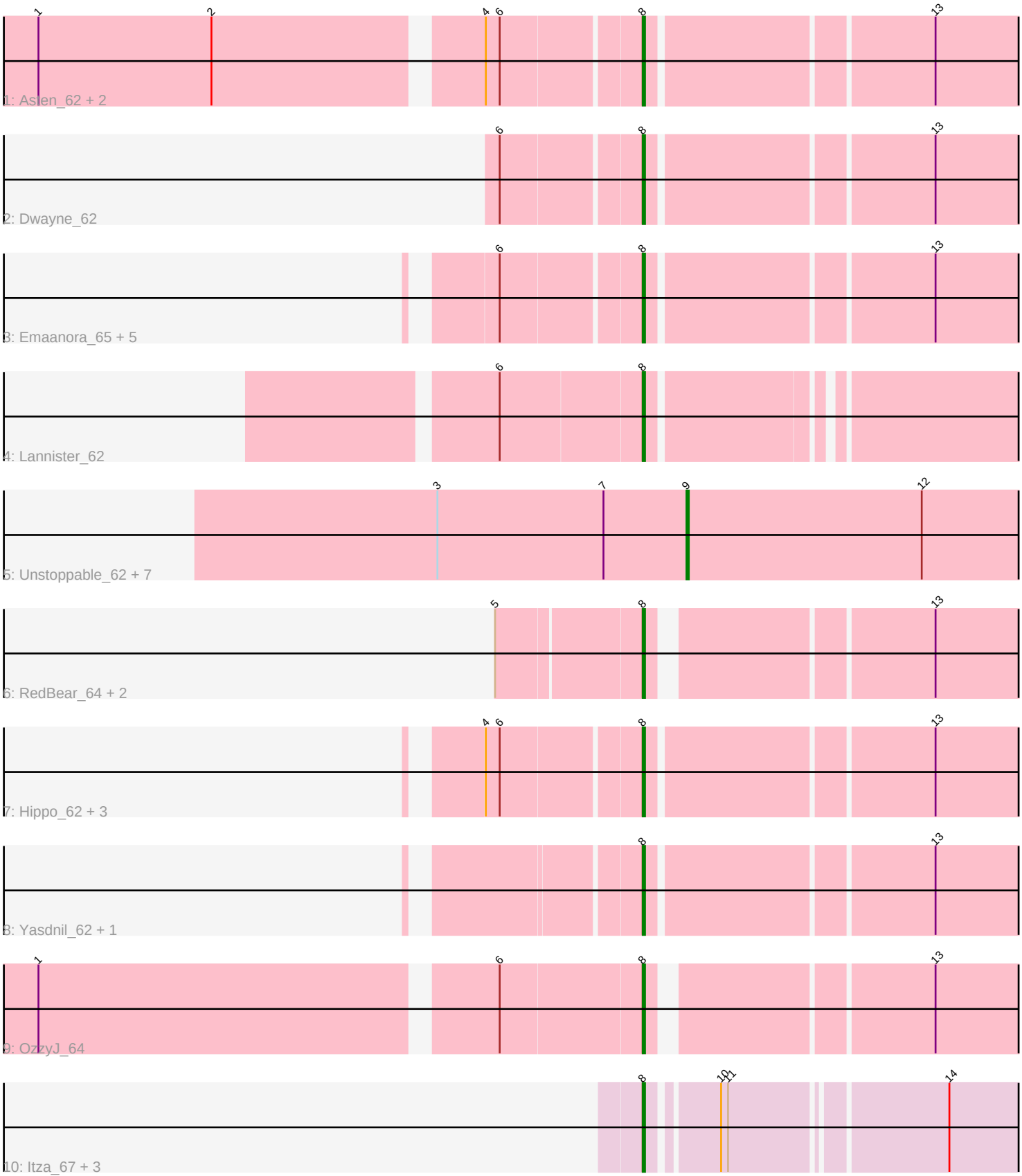
Pham 347876


1
2
4
6
8
13
1: Asten_62 + 2
6
8
13
2: Dwayne_62
6
8
13
3: Emaanora_65 + 5
6
8
4: Lannister_62
3
7
9
12
5: Unstoppable_62 + 7
5
8
13
6: RedBear_64 + 2
4
6
8
13
7: Hippo_62 + 3
8
13
8: Yasdnil_62 + 1
1
6
8
13
9: OzzyJ_64
8
10
11
14
10: Itza_67 + 3

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 347876 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347876 has 33 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Asten_62, SarahRose_62, Snorlax_62
• Track 2 : Dwayne_62
• Track 3 : Emaanora_65, Triste_63, TagePhighter_64, Werner_62, Whatever_62, Chucky_62
• Track 4 : Lannister_62
• Track 5 : Unstoppable_62, Phettuccine_62, Esperer_63, Aaronocolus_62, Bovely_62, Indigo_61, Nerdos_61, Leviticus_63
• Track 6 : RedBear_64, South40_63, Katalie_63
• Track 7 : Hippo_62, TuanPN_60, Ejemplo_60, BarryBee_65
• Track 8 : Yasdnil_62, Maneekul_62
• Track 9 : OzzyJ_64
• Track 10 : 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 8, it was called in 25 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asten_62, BarryBee_65, Celia_64, Chucky_62, Dwayne_62, Ejemplo_60, Emaanora_65, Hippo_62, Itza_67, Katalie_63, Lannister_62, Maneekul_62, OzzyJ_64, RedBear_64, SarahRose_62, Snorlax_62, South40_63, TagePhighter_64, Triste_63, TuanPN_60, Urza_66, VieEnRose_66, Werner_62, Whatever_62, Yasdnil_62,

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

Genes that do not have the "Most Annotated" start:
• Aaronocolus_62, Bovely_62, Esperer_63, Indigo_61, Leviticus_63, Nerdos_61, Phettuccine_62, Unstoppable_62,

Summary by start number:

Start 8:
• Found in 25 of 33 (75.8%) of genes in pham
• Manual Annotations of this start: 25 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Asten_62 (BD1), BarryBee_65 (BD1), Celia_64 (BD6), Chucky_62 (BD1), Dwayne_62 (BD1), Ejemplo_60 (BD1), Emaanora_65 (BD1), Hippo_62 (BD1), Itza_67 (BD6), Katalie_63 (BD1), Lannister_62 (BD1), Maneekul_62 (BD1), OzzyJ_64 (BD1), RedBear_64 (BD1), SarahRose_62 (BD1), Snorlax_62 (BD1), South40_63 (BD1), TagePhighter_64 (BD1), Triste_63 (BD1), TuanPN_60 (BD1), Urza_66 (BD6), VieEnRose_66 (BD6), Werner_62 (BD1), Whatever_62 (BD1), Yasdnil_62 (BD1),

Start 9:
• Found in 8 of 33 (24.2%) of genes in pham
• Manual Annotations of this start: 8 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aaronocolus_62 (BD1), Bovely_62 (BD1), Esperer_63 (BD1), Indigo_61 (BD1), Leviticus_63 (BD1), Nerdos_61 (BD1), Phettuccine_62 (BD1), Unstoppable_62 (BD1),

Summary by clusters:

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

Info for manual annotations of cluster BD1:
•Start number 8 was manually annotated 21 times for cluster BD1.
•Start number 9 was manually annotated 8 times for cluster BD1.

Info for manual annotations of cluster BD6:
•Start number 8 was manually annotated 4 times for cluster BD6.

Gene Information:

Gene: Aaronocolus_62 Start: 43600, Stop: 43325, Start Num: 9
Candidate Starts for Aaronocolus_62:
(3, 43708), (7, 43636), (Start: 9 @43600 has 8 MA's), (12, 43498),

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 8
Candidate Starts for Asten_62:
(1, 45866), (2, 45791), (4, 45683), (6, 45677), (Start: 8 @45620 has 25 MA's), (13, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 8
Candidate Starts for BarryBee_65:
(4, 45660), (6, 45654), (Start: 8 @45597 has 25 MA's), (13, 45480),

Gene: Bovely_62 Start: 43603, Stop: 43328, Start Num: 9
Candidate Starts for Bovely_62:
(3, 43711), (7, 43639), (Start: 9 @43603 has 8 MA's), (12, 43501),

Gene: Celia_64 Start: 43676, Stop: 43323, Start Num: 8
Candidate Starts for Celia_64:

(Start: 8 @43676 has 25 MA's), (10, 43649), (11, 43646), (14, 43559),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 8
Candidate Starts for Chucky_62:
(6, 45715), (Start: 8 @45658 has 25 MA's), (13, 45541),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 8
Candidate Starts for Dwayne_62:
(6, 45703), (Start: 8 @45646 has 25 MA's), (13, 45529),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 8
Candidate Starts for Ejemplo_60:
(4, 45648), (6, 45642), (Start: 8 @45585 has 25 MA's), (13, 45468),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 8
Candidate Starts for Emaanora_65:
(6, 45627), (Start: 8 @45570 has 25 MA's), (13, 45453),

Gene: Esperer_63 Start: 43946, Stop: 43671, Start Num: 9
Candidate Starts for Esperer_63:
(3, 44054), (7, 43982), (Start: 9 @43946 has 8 MA's), (12, 43844),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 8
Candidate Starts for Hippo_62:
(4, 45696), (6, 45690), (Start: 8 @45633 has 25 MA's), (13, 45516),

Gene: Indigo_61 Start: 43596, Stop: 43321, Start Num: 9
Candidate Starts for Indigo_61:
(3, 43704), (7, 43632), (Start: 9 @43596 has 8 MA's), (12, 43494),

Gene: Itza_67 Start: 43609, Stop: 43256, Start Num: 8
Candidate Starts for Itza_67:
(Start: 8 @43609 has 25 MA's), (10, 43582), (11, 43579), (14, 43492),

Gene: Katalie_63 Start: 46125, Stop: 45820, Start Num: 8
Candidate Starts for Katalie_63:
(5, 46185), (Start: 8 @46125 has 25 MA's), (13, 46014),

Gene: Lannister_62 Start: 44501, Stop: 44196, Start Num: 8
Candidate Starts for Lannister_62:
(6, 44561), (Start: 8 @44501 has 25 MA's),

Gene: Leviticus_63 Start: 44133, Stop: 43858, Start Num: 9
Candidate Starts for Leviticus_63:
(3, 44241), (7, 44169), (Start: 9 @44133 has 8 MA's), (12, 44031),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 8
Candidate Starts for Maneekul_62:
(Start: 8 @45663 has 25 MA's), (13, 45546),

Gene: Nerdos_61 Start: 43595, Stop: 43320, Start Num: 9
Candidate Starts for Nerdos_61:
(3, 43703), (7, 43631), (Start: 9 @43595 has 8 MA's), (12, 43493),

Gene: OzzyJ_64 Start: 45554, Stop: 45249, Start Num: 8
Candidate Starts for OzzyJ_64:
(1, 45803), (6, 45614), (Start: 8 @45554 has 25 MA's), (13, 45443),

Gene: Phettuccine_62 Start: 43596, Stop: 43321, Start Num: 9
Candidate Starts for Phettuccine_62:
(3, 43704), (7, 43632), (Start: 9 @43596 has 8 MA's), (12, 43494),

Gene: RedBear_64 Start: 46125, Stop: 45820, Start Num: 8
Candidate Starts for RedBear_64:
(5, 46185), (Start: 8 @46125 has 25 MA's), (13, 46014),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 8
Candidate Starts for SarahRose_62:
(1, 45878), (2, 45803), (4, 45695), (6, 45689), (Start: 8 @45632 has 25 MA's), (13, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 8
Candidate Starts for Snorlax_62:
(1, 45903), (2, 45828), (4, 45720), (6, 45714), (Start: 8 @45657 has 25 MA's), (13, 45540),

Gene: South40_63 Start: 46125, Stop: 45820, Start Num: 8
Candidate Starts for South40_63:
(5, 46185), (Start: 8 @46125 has 25 MA's), (13, 46014),

Gene: TagePhighter_64 Start: 45633, Stop: 45322, Start Num: 8
Candidate Starts for TagePhighter_64:
(6, 45690), (Start: 8 @45633 has 25 MA's), (13, 45516),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 8
Candidate Starts for Triste_63:
(6, 45689), (Start: 8 @45632 has 25 MA's), (13, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 8
Candidate Starts for TuanPN_60:
(4, 45648), (6, 45642), (Start: 8 @45585 has 25 MA's), (13, 45468),

Gene: Unstoppable_62 Start: 43594, Stop: 43319, Start Num: 9
Candidate Starts for Unstoppable_62:
(3, 43702), (7, 43630), (Start: 9 @43594 has 8 MA's), (12, 43492),

Gene: Urza_66 Start: 43630, Stop: 43277, Start Num: 8
Candidate Starts for Urza_66:
(Start: 8 @43630 has 25 MA's), (10, 43603), (11, 43600), (14, 43513),

Gene: VieEnRose_66 Start: 43482, Stop: 43129, Start Num: 8
Candidate Starts for VieEnRose_66:
(Start: 8 @43482 has 25 MA's), (10, 43455), (11, 43452), (14, 43365),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 8
Candidate Starts for Werner_62:
(6, 45687), (Start: 8 @45630 has 25 MA's), (13, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 8
Candidate Starts for Whatever_62:
(6, 45712), (Start: 8 @45655 has 25 MA's), (13, 45538),

Gene: Yasdnil_62 Start: 45682, Stop: 45371, Start Num: 8
Candidate Starts for Yasdnil_62:
(Start: 8 @45682 has 25 MA's), (13, 45565),