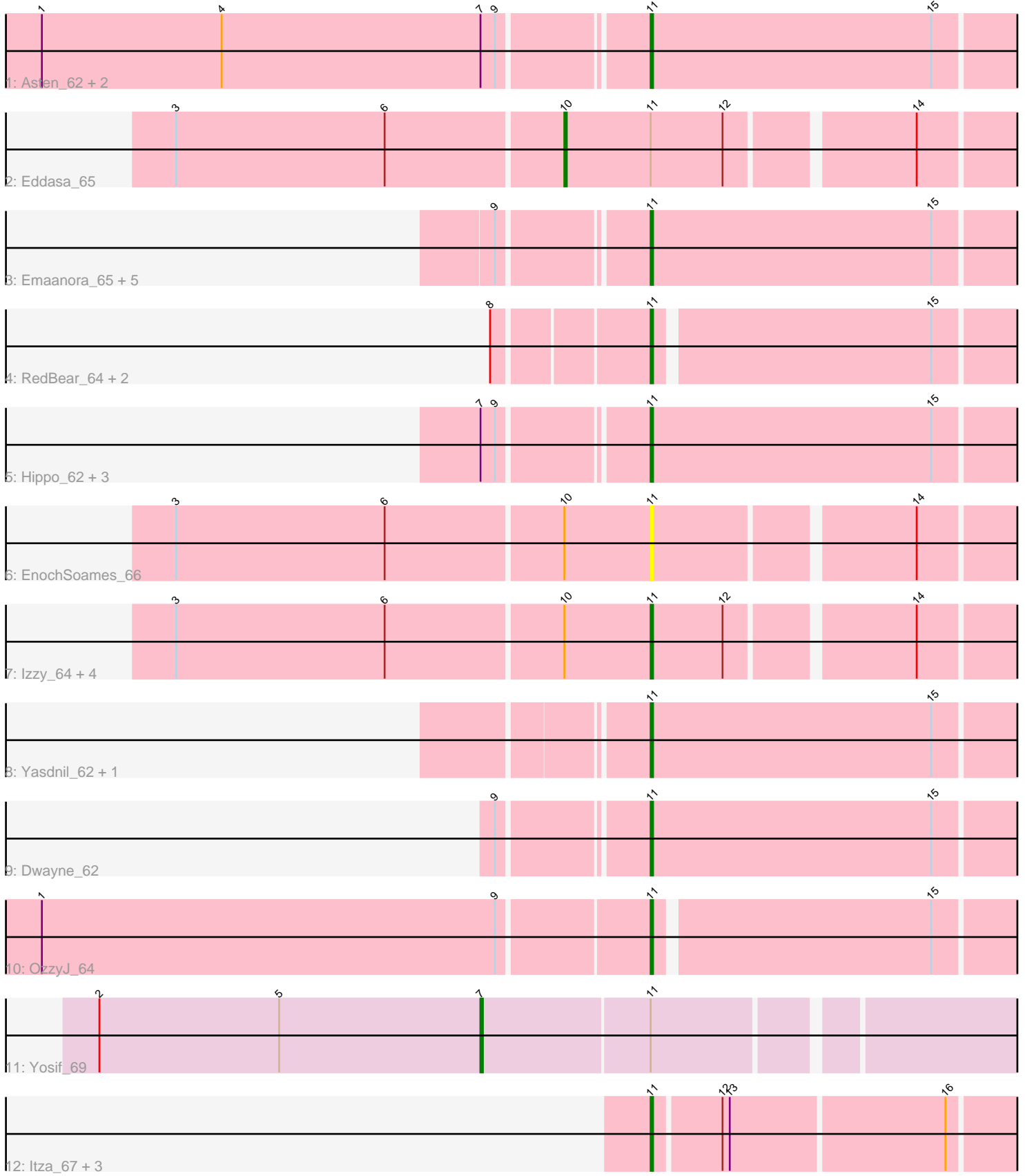


Pham 216406



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 216406 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216406 has 32 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Asten_62, Snorlax_62, SarahRose_62
- Track 2 : Eddasa_65
- Track 3 : Emaanora_65, Triste_63, Werner_62, TagePhighter_64, Whatever_62, Chucky_62
- Track 4 : RedBear_64, South40_63, Katalie_63
- Track 5 : Hippo_62, TuanPN_60, Ejemplo_60, BarryBee_65
- Track 6 : EnochSoames_66
- Track 7 : Izzy_64, Oliynyk_64, Jash_64, Rusticus_64, BryanRecycles_64
- Track 8 : Yasdnil_62, Maneekul_62
- Track 9 : Dwayne_62
- Track 10 : OzzyJ_64
- Track 11 : Yosif_69
- Track 12 : 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 11, it was called in 29 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asten_62, BarryBee_65, BryanRecycles_64, Celia_64, Chucky_62, Dwayne_62, Ejemplo_60, Emaanora_65, EnochSoames_66, Hippo_62, Itza_67, Izzy_64, Jash_64, Katalie_63, Maneekul_62, Oliynyk_64, OzzyJ_64, RedBear_64, Rusticus_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:

- Eddasa_65, Yosif_69,

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

-

Summary by start number:

Start 7:

- Found in 8 of 32 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Yosif_69 (BD3),

Start 10:

- Found in 7 of 32 (21.9%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Eddasa_65 (BD1),

Start 11:

- Found in 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 31
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Asten_62 (BD1), BarryBee_65 (BD1), BryanRecycles_64 (BD1), Celia_64 (BD6), Chucky_62 (BD1), Dwayne_62 (BD1), Ejemplo_60 (BD1), Emaanora_65 (BD1), EnochSoames_66 (BD1), Hippo_62 (BD1), Itza_67 (BD6), Izzy_64 (BD1), Jash_64 (BD1), Katalie_63 (BD1), Maneekul_62 (BD1), Oliynyk_64 (BD1), OzzyJ_64 (BD1), RedBear_64 (BD1), Rusticus_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),

Summary by clusters:

There are 3 clusters represented in this pham: BD6, BD1, BD3,

Info for manual annotations of cluster BD1:

- Start number 10 was manually annotated 1 time for cluster BD1.
- Start number 11 was manually annotated 25 times for cluster BD1.

Info for manual annotations of cluster BD3:

- Start number 7 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster BD6:

- Start number 11 was manually annotated 4 times for cluster BD6.

Gene Information:

Gene: Asten_62 Start: 45620, Stop: 45309, Start Num: 11

Candidate Starts for Asten_62:

(1, 45866), (4, 45791), (Start: 7 @45683 has 1 MA's), (9, 45677), (Start: 11 @45620 has 29 MA's), (15, 45503),

Gene: BarryBee_65 Start: 45597, Stop: 45286, Start Num: 11

Candidate Starts for BarryBee_65:

(Start: 7 @45660 has 1 MA's), (9, 45654), (Start: 11 @45597 has 29 MA's), (15, 45480),

Gene: BryanRecycles_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for BryanRecycles_64:

(3, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 29 MA's), (12, 44070), (14, 43998),

Gene: Celia_64 Start: 43676, Stop: 43323, Start Num: 11

Candidate Starts for Celia_64:

(Start: 11 @43676 has 29 MA's), (12, 43649), (13, 43646), (16, 43559),

Gene: Chucky_62 Start: 45658, Stop: 45347, Start Num: 11

Candidate Starts for Chucky_62:

(9, 45715), (Start: 11 @45658 has 29 MA's), (15, 45541),

Gene: Dwayne_62 Start: 45646, Stop: 45335, Start Num: 11

Candidate Starts for Dwayne_62:

(9, 45703), (Start: 11 @45646 has 29 MA's), (15, 45529),

Gene: Eddasa_65 Start: 44675, Stop: 44352, Start Num: 10

Candidate Starts for Eddasa_65:

(3, 44834), (6, 44747), (Start: 10 @44675 has 1 MA's), (Start: 11 @44639 has 29 MA's), (12, 44609), (14, 44537),

Gene: Ejemplo_60 Start: 45585, Stop: 45274, Start Num: 11

Candidate Starts for Ejemplo_60:

(Start: 7 @45648 has 1 MA's), (9, 45642), (Start: 11 @45585 has 29 MA's), (15, 45468),

Gene: Emaanora_65 Start: 45570, Stop: 45259, Start Num: 11

Candidate Starts for Emaanora_65:

(9, 45627), (Start: 11 @45570 has 29 MA's), (15, 45453),

Gene: EnochSoames_66 Start: 43897, Stop: 43610, Start Num: 11

Candidate Starts for EnochSoames_66:

(3, 44092), (6, 44005), (Start: 10 @43933 has 1 MA's), (Start: 11 @43897 has 29 MA's), (14, 43795),

Gene: Hippo_62 Start: 45633, Stop: 45322, Start Num: 11

Candidate Starts for Hippo_62:

(Start: 7 @45696 has 1 MA's), (9, 45690), (Start: 11 @45633 has 29 MA's), (15, 45516),

Gene: Itza_67 Start: 43609, Stop: 43256, Start Num: 11

Candidate Starts for Itza_67:

(Start: 11 @43609 has 29 MA's), (12, 43582), (13, 43579), (16, 43492),

Gene: Izzy_64 Start: 44147, Stop: 43860, Start Num: 11

Candidate Starts for Izzy_64:

(3, 44342), (6, 44255), (Start: 10 @44183 has 1 MA's), (Start: 11 @44147 has 29 MA's), (12, 44117), (14, 44045),

Gene: Jash_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for Jash_64:

(3, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 29 MA's), (12, 44070), (14, 43998),

Gene: Katalie_63 Start: 46125, Stop: 45820, Start Num: 11

Candidate Starts for Katalie_63:

(8, 46185), (Start: 11 @46125 has 29 MA's), (15, 46014),

Gene: Maneekul_62 Start: 45663, Stop: 45352, Start Num: 11

Candidate Starts for Maneekul_62:

(Start: 11 @45663 has 29 MA's), (15, 45546),

Gene: Oliynyk_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for Oliynyk_64:

(3, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 29 MA's), (12, 44070), (14, 43998),

Gene: OzzyJ_64 Start: 45554, Stop: 45249, Start Num: 11

Candidate Starts for OzzyJ_64:

(1, 45803), (9, 45614), (Start: 11 @45554 has 29 MA's), (15, 45443),

Gene: RedBear_64 Start: 46125, Stop: 45820, Start Num: 11

Candidate Starts for RedBear_64:

(8, 46185), (Start: 11 @46125 has 29 MA's), (15, 46014),

Gene: Rusticus_64 Start: 44100, Stop: 43813, Start Num: 11

Candidate Starts for Rusticus_64:

(3, 44295), (6, 44208), (Start: 10 @44136 has 1 MA's), (Start: 11 @44100 has 29 MA's), (12, 44070), (14, 43998),

Gene: SarahRose_62 Start: 45632, Stop: 45321, Start Num: 11

Candidate Starts for SarahRose_62:

(1, 45878), (4, 45803), (Start: 7 @45695 has 1 MA's), (9, 45689), (Start: 11 @45632 has 29 MA's), (15, 45515),

Gene: Snorlax_62 Start: 45657, Stop: 45346, Start Num: 11

Candidate Starts for Snorlax_62:

(1, 45903), (4, 45828), (Start: 7 @45720 has 1 MA's), (9, 45714), (Start: 11 @45657 has 29 MA's), (15, 45540),

Gene: South40_63 Start: 46125, Stop: 45820, Start Num: 11

Candidate Starts for South40_63:

(8, 46185), (Start: 11 @46125 has 29 MA's), (15, 46014),

Gene: TagePighther_64 Start: 45633, Stop: 45322, Start Num: 11

Candidate Starts for TagePighther_64:

(9, 45690), (Start: 11 @45633 has 29 MA's), (15, 45516),

Gene: Triste_63 Start: 45632, Stop: 45321, Start Num: 11

Candidate Starts for Triste_63:

(9, 45689), (Start: 11 @45632 has 29 MA's), (15, 45515),

Gene: TuanPN_60 Start: 45585, Stop: 45274, Start Num: 11

Candidate Starts for TuanPN_60:

(Start: 7 @45648 has 1 MA's), (9, 45642), (Start: 11 @45585 has 29 MA's), (15, 45468),

Gene: Urza_66 Start: 43630, Stop: 43277, Start Num: 11

Candidate Starts for Urza_66:

(Start: 11 @43630 has 29 MA's), (12, 43603), (13, 43600), (16, 43513),

Gene: VieEnRose_66 Start: 43482, Stop: 43129, Start Num: 11
Candidate Starts for VieEnRose_66:
(Start: 11 @43482 has 29 MA's), (12, 43455), (13, 43452), (16, 43365),

Gene: Werner_62 Start: 45630, Stop: 45319, Start Num: 11
Candidate Starts for Werner_62:
(9, 45687), (Start: 11 @45630 has 29 MA's), (15, 45513),

Gene: Whatever_62 Start: 45655, Stop: 45344, Start Num: 11
Candidate Starts for Whatever_62:
(9, 45712), (Start: 11 @45655 has 29 MA's), (15, 45538),

Gene: Yasdnii_62 Start: 45682, Stop: 45371, Start Num: 11
Candidate Starts for Yasdnii_62:
(Start: 11 @45682 has 29 MA's), (15, 45565),

Gene: Yosif_69 Start: 44982, Stop: 44650, Start Num: 7
Candidate Starts for Yosif_69:
(2, 45141), (5, 45066), (Start: 7 @44982 has 1 MA's), (Start: 11 @44913 has 29 MA's),