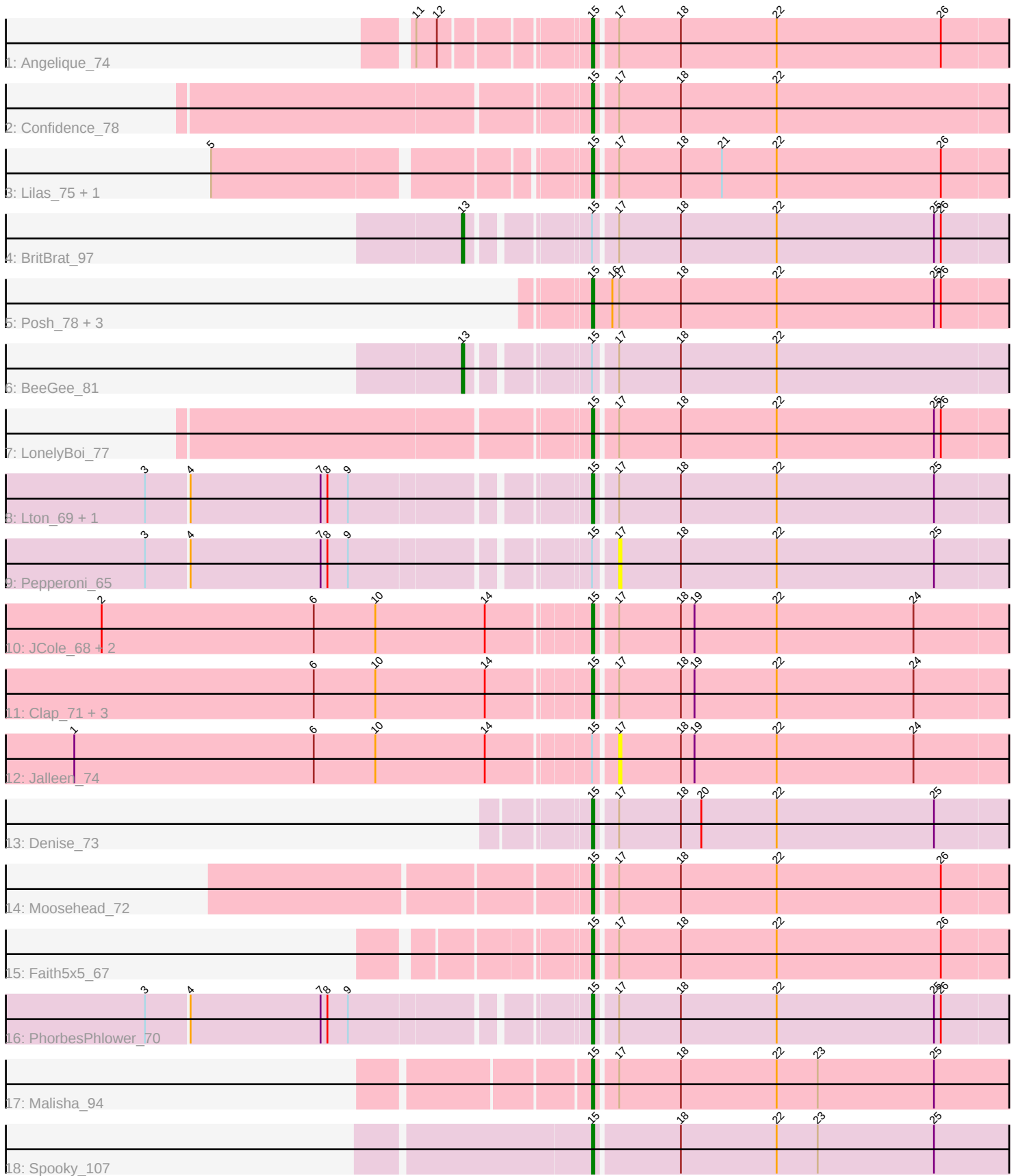


Pham 280758



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 280758 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280758 has 28 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Angelique_74
- Track 2 : Confidence_78
- Track 3 : Lilas_75, EnalisNailo_74
- Track 4 : BritBrat_97
- Track 5 : Posh_78, Pytheas_82, Wrigley_80, Jablanski_81
- Track 6 : BeeGee_81
- Track 7 : LonelyBoi_77
- Track 8 : Lton_69, OneDirection_66
- Track 9 : Pepperoni_65
- Track 10 : JCole_68, Pickett_68, EdnaMode_70
- Track 11 : Clap_71, Ebert_74, Yeet412_69, Gizermo_71
- Track 12 : Jalleen_74
- Track 13 : Denise_73
- Track 14 : Moosehead_72
- Track 15 : Faith5x5_67
- Track 16 : PhorbesPhlower_70
- Track 17 : Malisha_94
- Track 18 : Spooky_107

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

The start number called the most often in the published annotations is 15, it was called in 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angelique_74, Clap_71, Confidence_78, Denise_73, Ebert_74, EdnaMode_70, EnalisNailo_74, Faith5x5_67, Gizermo_71, JCole_68, Jablanski_81, Lilas_75, LonelyBoi_77, Lton_69, Malisha_94, Moosehead_72, OneDirection_66, PhorbesPhlower_70, Pickett_68, Posh_78, Pytheas_82, Spooky_107, Wrigley_80, Yeet412_69,

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

- BeeGee_81, BritBrat_97, Jalleen_74, Pepperoni_65,

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

-

Summary by start number:

Start 13:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 2 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeeGee_81 (CY5), BritBrat_97 (CY2),

Start 15:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 25
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Angelique_74 (CY1), Clap_71 (CZ2), Confidence_78 (CY1), Denise_73 (CZ5), Ebert_74 (CZ2), EdnaMode_70 (CZ2), EnalisNailo_74 (CY1), Faith5x5_67 (CZ6), Gizermo_71 (CZ2), JCole_68 (CZ2), Jablanski_81 (CY3), Lilas_75 (CY1), LonelyBoi_77 (CY7), Lton_69 (CZ), Malisha_94 (DN), Moosehead_72 (CZ6), OneDirection_66 (CZ6), PhorbesPhlower_70 (DH), Pickett_68 (CZ2), Posh_78 (CY4), Pytheas_82 (CY3), Spooky_107 (DN2), Wrigley_80 (CY4), Yeet412_69 (CZ2),

Start 17:

- Found in 27 of 28 (96.4%) of genes in pham
- No Manual Annotations of this start.
- Called 7.4% of time when present
- Phage (with cluster) where this start called: Jalleen_74 (CZ2), Pepperoni_65 (CZ),

Summary by clusters:

There are 13 clusters represented in this pham: DN, CY2, CY1, CY3, DH, CY5, CY4, CZ2, CZ6, CZ5, CZ, DN2, CY7,

Info for manual annotations of cluster CY1:

- Start number 15 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 13 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 15 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 15 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 13 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY7:

- Start number 15 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 15 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 15 was manually annotated 6 times for cluster CZ2.

Info for manual annotations of cluster CZ5:

- Start number 15 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 15 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster DH:

- Start number 15 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

- Start number 15 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN2:

- Start number 15 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: Angelique_74 Start: 50251, Stop: 50433, Start Num: 15

Candidate Starts for Angelique_74:

(11, 50185), (12, 50194), (Start: 15 @50251 has 23 MA's), (17, 50260), (18, 50287), (22, 50329), (26, 50401),

Gene: BeeGee_81 Start: 51002, Stop: 51229, Start Num: 13

Candidate Starts for BeeGee_81:

(Start: 13 @51002 has 2 MA's), (Start: 15 @51047 has 23 MA's), (17, 51056), (18, 51083), (22, 51125),

Gene: BritBrat_97 Start: 54941, Stop: 55171, Start Num: 13

Candidate Starts for BritBrat_97:

(Start: 13 @54941 has 2 MA's), (Start: 15 @54986 has 23 MA's), (17, 54995), (18, 55022), (22, 55064), (25, 55133), (26, 55136),

Gene: Clap_71 Start: 44766, Stop: 44948, Start Num: 15

Candidate Starts for Clap_71:

(6, 44649), (10, 44676), (14, 44724), (Start: 15 @44766 has 23 MA's), (17, 44775), (18, 44802), (19, 44808), (22, 44844), (24, 44904),

Gene: Confidence_78 Start: 49927, Stop: 50109, Start Num: 15

Candidate Starts for Confidence_78:

(Start: 15 @49927 has 23 MA's), (17, 49936), (18, 49963), (22, 50005),

Gene: Denise_73 Start: 43091, Stop: 43273, Start Num: 15

Candidate Starts for Denise_73:

(Start: 15 @43091 has 23 MA's), (17, 43100), (18, 43127), (20, 43136), (22, 43169), (25, 43238),

Gene: Ebert_74 Start: 45198, Stop: 45380, Start Num: 15

Candidate Starts for Ebert_74:

(6, 45081), (10, 45108), (14, 45156), (Start: 15 @45198 has 23 MA's), (17, 45207), (18, 45234), (19, 45240), (22, 45276), (24, 45336),

Gene: EdnaMode_70 Start: 44874, Stop: 45056, Start Num: 15

Candidate Starts for EdnaMode_70:

(2, 44664), (6, 44757), (10, 44784), (14, 44832), (Start: 15 @44874 has 23 MA's), (17, 44883), (18, 44910), (19, 44916), (22, 44952), (24, 45012),

Gene: EnalisNailo_74 Start: 50297, Stop: 50479, Start Num: 15

Candidate Starts for EnalisNailo_74:

(5, 50147), (Start: 15 @50297 has 23 MA's), (17, 50306), (18, 50333), (21, 50351), (22, 50375), (26, 50447),

Gene: Faith5x5_67 Start: 40159, Stop: 40341, Start Num: 15

Candidate Starts for Faith5x5_67:

(Start: 15 @40159 has 23 MA's), (17, 40168), (18, 40195), (22, 40237), (26, 40309),

Gene: Gizermo_71 Start: 44766, Stop: 44948, Start Num: 15

Candidate Starts for Gizermo_71:

(6, 44649), (10, 44676), (14, 44724), (Start: 15 @44766 has 23 MA's), (17, 44775), (18, 44802), (19, 44808), (22, 44844), (24, 44904),

Gene: JCole_68 Start: 43436, Stop: 43618, Start Num: 15

Candidate Starts for JCole_68:

(2, 43226), (6, 43319), (10, 43346), (14, 43394), (Start: 15 @43436 has 23 MA's), (17, 43445), (18, 43472), (19, 43478), (22, 43514), (24, 43574),

Gene: Jablanski_81 Start: 52986, Stop: 53174, Start Num: 15

Candidate Starts for Jablanski_81:

(Start: 15 @52986 has 23 MA's), (16, 52995), (17, 52998), (18, 53025), (22, 53067), (25, 53136), (26, 53139),

Gene: Jalleen_74 Start: 44715, Stop: 44888, Start Num: 17

Candidate Starts for Jalleen_74:

(1, 44484), (6, 44589), (10, 44616), (14, 44664), (Start: 15 @44706 has 23 MA's), (17, 44715), (18, 44742), (19, 44748), (22, 44784), (24, 44844),

Gene: Lilas_75 Start: 51835, Stop: 52017, Start Num: 15

Candidate Starts for Lilas_75:

(5, 51685), (Start: 15 @51835 has 23 MA's), (17, 51844), (18, 51871), (21, 51889), (22, 51913), (26, 51985),

Gene: LonelyBoi_77 Start: 53074, Stop: 53259, Start Num: 15

Candidate Starts for LonelyBoi_77:

(Start: 15 @53074 has 23 MA's), (17, 53083), (18, 53110), (22, 53152), (25, 53221), (26, 53224),

Gene: Lton_69 Start: 40177, Stop: 40359, Start Num: 15

Candidate Starts for Lton_69:

(3, 39997), (4, 40015), (7, 40072), (8, 40075), (9, 40084), (Start: 15 @40177 has 23 MA's), (17, 40186), (18, 40213), (22, 40255), (25, 40324),

Gene: Malisha_94 Start: 54874, Stop: 55074, Start Num: 15

Candidate Starts for Malisha_94:

(Start: 15 @54874 has 23 MA's), (17, 54883), (18, 54910), (22, 54952), (23, 54970), (25, 55021),

Gene: Moosehead_72 Start: 40706, Stop: 40888, Start Num: 15

Candidate Starts for Moosehead_72:

(Start: 15 @40706 has 23 MA's), (17, 40715), (18, 40742), (22, 40784), (26, 40856),

Gene: OneDirection_66 Start: 38739, Stop: 38921, Start Num: 15

Candidate Starts for OneDirection_66:

(3, 38559), (4, 38577), (7, 38634), (8, 38637), (9, 38646), (Start: 15 @38739 has 23 MA's), (17, 38748), (18, 38775), (22, 38817), (25, 38886),

Gene: Pepperoni_65 Start: 39874, Stop: 40047, Start Num: 17

Candidate Starts for Pepperoni_65:

(3, 39685), (4, 39703), (7, 39760), (8, 39763), (9, 39772), (Start: 15 @39865 has 23 MA's), (17, 39874), (18, 39901), (22, 39943), (25, 40012),

Gene: PhorbesPhlower_70 Start: 40720, Stop: 40902, Start Num: 15

Candidate Starts for PhorbesPhlower_70:

(3, 40540), (4, 40558), (7, 40615), (8, 40618), (9, 40627), (Start: 15 @40720 has 23 MA's), (17, 40729), (18, 40756), (22, 40798), (25, 40867), (26, 40870),

Gene: Pickett_68 Start: 43479, Stop: 43661, Start Num: 15

Candidate Starts for Pickett_68:

(2, 43269), (6, 43362), (10, 43389), (14, 43437), (Start: 15 @43479 has 23 MA's), (17, 43488), (18, 43515), (19, 43521), (22, 43557), (24, 43617),

Gene: Posh_78 Start: 51759, Stop: 51947, Start Num: 15

Candidate Starts for Posh_78:

(Start: 15 @51759 has 23 MA's), (16, 51768), (17, 51771), (18, 51798), (22, 51840), (25, 51909), (26, 51912),

Gene: Pytheas_82 Start: 52985, Stop: 53173, Start Num: 15

Candidate Starts for Pytheas_82:

(Start: 15 @52985 has 23 MA's), (16, 52994), (17, 52997), (18, 53024), (22, 53066), (25, 53135), (26, 53138),

Gene: Spooky_107 Start: 56283, Stop: 56483, Start Num: 15

Candidate Starts for Spooky_107:

(Start: 15 @56283 has 23 MA's), (18, 56319), (22, 56361), (23, 56379), (25, 56430),

Gene: Wrigley_80 Start: 51342, Stop: 51530, Start Num: 15

Candidate Starts for Wrigley_80:

(Start: 15 @51342 has 23 MA's), (16, 51351), (17, 51354), (18, 51381), (22, 51423), (25, 51492), (26, 51495),

Gene: Yeet412_69 Start: 45229, Stop: 45411, Start Num: 15

Candidate Starts for Yeet412_69:

(6, 45112), (10, 45139), (14, 45187), (Start: 15 @45229 has 23 MA's), (17, 45238), (18, 45265), (19, 45271), (22, 45307), (24, 45367),