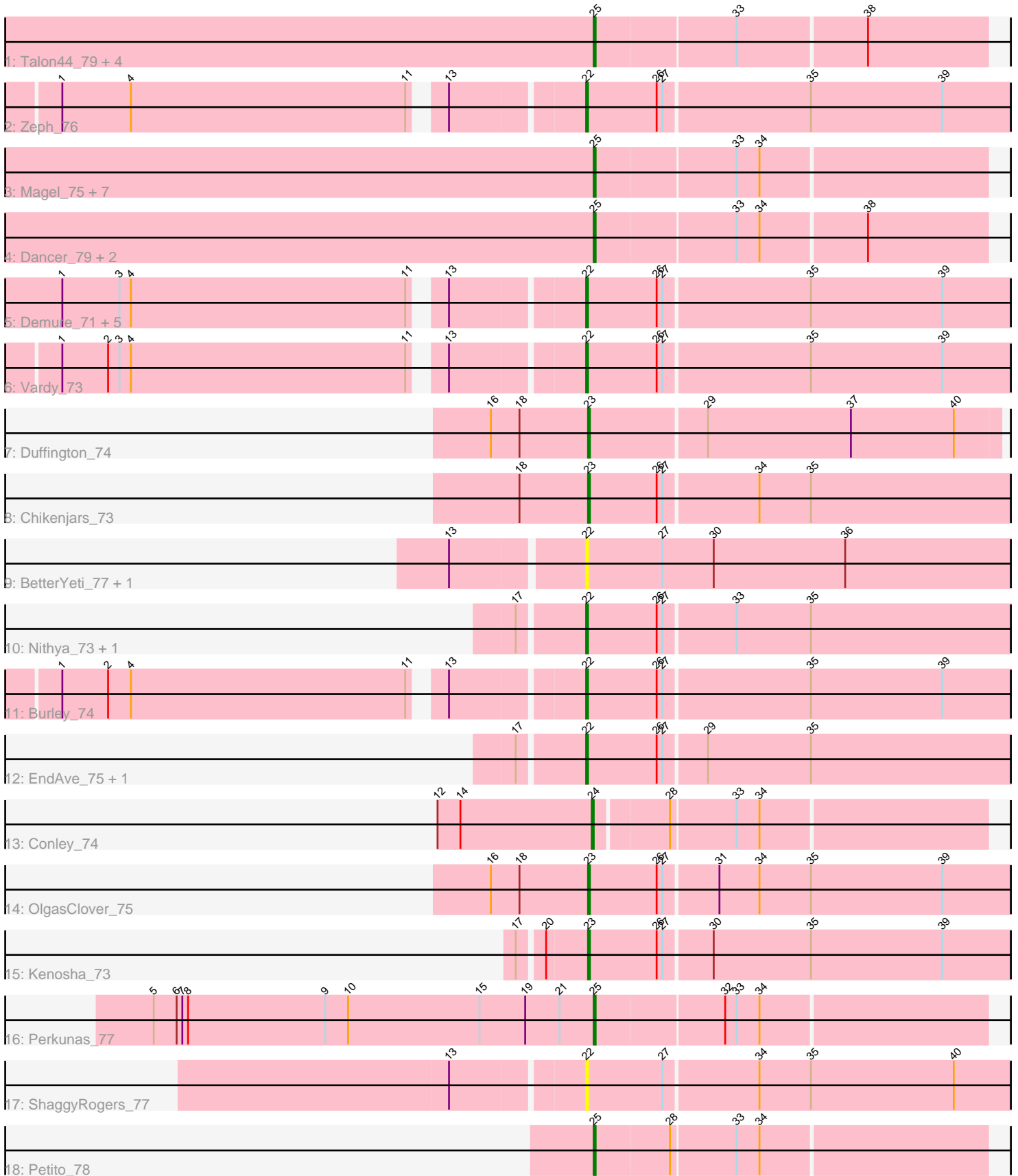


Pham 200417



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 200417 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200417 has 39 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Talon44_79, JulesRay_78, Captrips_75, NoPickles_75, Avazak_77
- Track 2 : Zeph_76
- Track 3 : Magel_75, Roney_74, Kerry_73, Tanis_74, Odesza_73, Capybara_74, Gravy_73, Gill_74
- Track 4 : Dancer_79, Artorias_76, FortCran_76
- Track 5 : Demure_71, Arataki_71, Runhaar_73, Madvan_74, Phepper_75, Untouchable_76
- Track 6 : Vardy_73
- Track 7 : Duffington_74
- Track 8 : Chikenjars_73
- Track 9 : BetterYeti_77, Gusicorn_78
- Track 10 : Nithya_73, AlainaMarie_73
- Track 11 : Burley_74
- Track 12 : EndAve_75, Citrus_73
- Track 13 : Conley_74
- Track 14 : OlgasClover_75
- Track 15 : Kenosha_73
- Track 16 : Perknas_77
- Track 17 : ShaggyRogers_77
- Track 18 : Petite_78

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

The start number called the most often in the published annotations is 25, it was called in 14 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_76, Avazak_77, Captrips_75, Capybara_74, Dancer_79, FortCran_76, Gill_74, Gravy_73, JulesRay_78, Kerry_73, Magel_75, NoPickles_75, Odesza_73, Perknas_77, Petite_78, Roney_74, Talon44_79, Tanis_74,

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

-

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

- AlainaMarie_73, Arataki_71, BetterYeti_77, Burley_74, Chikenjars_73, Citrus_73, Conley_74, Demure_71, Duffington_74, EndAve_75, Gusicorn_78, Kenosha_73, Madvan_74, Nithya_73, OlgasClover_75, Phepper_75, Runhaar_73, ShaggyRogers_77, Untouchable_76, Vardy_73, Zeph_76,

Summary by start number:

Start 22:

- Found in 16 of 39 (41.0%) of genes in pham
- Manual Annotations of this start: 10 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlainaMarie_73 (DJ), Arataki_71 (DJ), BetterYeti_77 (DJ), Burley_74 (DJ), Citrus_73 (DJ), Demure_71 (DJ), EndAve_75 (DJ), Gusicorn_78 (DJ), Madvan_74 (DJ), Nithya_73 (DJ), Phepper_75 (DJ), Runhaar_73 (DJ), ShaggyRogers_77 (DJ), Untouchable_76 (DJ), Vardy_73 (DJ), Zeph_76 (DJ),

Start 23:

- Found in 4 of 39 (10.3%) of genes in pham
- Manual Annotations of this start: 4 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chikenjars_73 (DJ), Duffington_74 (DJ), Kenosha_73 (DJ), OlgasClover_75 (DJ),

Start 24:

- Found in 1 of 39 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Conley_74 (DJ),

Start 25:

- Found in 18 of 39 (46.2%) of genes in pham
- Manual Annotations of this start: 14 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_76 (DJ), Avazak_77 (DJ), Captrips_75 (DJ), Copybara_74 (DJ), Dancer_79 (DJ), FortCran_76 (DJ), Gill_74 (DJ), Gravy_73 (DJ), JulesRay_78 (DJ), Kerry_73 (DJ), Magel_75 (DJ), NoPickles_75 (DJ), Odesza_73 (DJ), Perkunas_77 (DJ), Petite_78 (DJ), Roney_74 (DJ), Talon44_79 (DJ), Tanis_74 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 22 was manually annotated 10 times for cluster DJ.
- Start number 23 was manually annotated 4 times for cluster DJ.
- Start number 24 was manually annotated 1 time for cluster DJ.
- Start number 25 was manually annotated 14 times for cluster DJ.

Gene Information:

Gene: AlainaMarie_73 Start: 50890, Stop: 51117, Start Num: 22

Candidate Starts for AlainaMarie_73:

(17, 50857), (Start: 22 @50890 has 10 MA's), (26, 50926), (27, 50929), (33, 50965), (35, 51004),

Gene: Arataki_71 Start: 50324, Stop: 50554, Start Num: 22

Candidate Starts for Arataki_71:

(1, 50066), (3, 50096), (4, 50102), (11, 50246), (13, 50258), (Start: 22 @50324 has 10 MA's), (26, 50360), (27, 50363), (35, 50438), (39, 50507),

Gene: Artorias_76 Start: 50584, Stop: 50784, Start Num: 25

Candidate Starts for Artorias_76:

(Start: 25 @50584 has 14 MA's), (33, 50656), (34, 50668), (38, 50722),

Gene: Avazak_77 Start: 51266, Stop: 51466, Start Num: 25

Candidate Starts for Avazak_77:

(Start: 25 @51266 has 14 MA's), (33, 51338), (38, 51404),

Gene: BetterYeti_77 Start: 50704, Stop: 50937, Start Num: 22

Candidate Starts for BetterYeti_77:

(13, 50638), (Start: 22 @50704 has 10 MA's), (27, 50743), (30, 50770), (36, 50839),

Gene: Burley_74 Start: 50340, Stop: 50570, Start Num: 22

Candidate Starts for Burley_74:

(1, 50082), (2, 50106), (4, 50118), (11, 50262), (13, 50274), (Start: 22 @50340 has 10 MA's), (26, 50376), (27, 50379), (35, 50454), (39, 50523),

Gene: Captrips_75 Start: 50414, Stop: 50614, Start Num: 25

Candidate Starts for Captrips_75:

(Start: 25 @50414 has 14 MA's), (33, 50486), (38, 50552),

Gene: Capybara_74 Start: 50251, Stop: 50451, Start Num: 25

Candidate Starts for Capybara_74:

(Start: 25 @50251 has 14 MA's), (33, 50323), (34, 50335),

Gene: Chikenjars_73 Start: 51135, Stop: 51365, Start Num: 23

Candidate Starts for Chikenjars_73:

(18, 51099), (Start: 23 @51135 has 4 MA's), (26, 51171), (27, 51174), (34, 51222), (35, 51249),

Gene: Citrus_73 Start: 51186, Stop: 51413, Start Num: 22

Candidate Starts for Citrus_73:

(17, 51153), (Start: 22 @51186 has 10 MA's), (26, 51222), (27, 51225), (29, 51246), (35, 51300),

Gene: Conley_74 Start: 50831, Stop: 51028, Start Num: 24

Candidate Starts for Conley_74:

(12, 50750), (14, 50762), (Start: 24 @50831 has 1 MA's), (28, 50867), (33, 50900), (34, 50912),

Gene: Dancer_79 Start: 50321, Stop: 50521, Start Num: 25

Candidate Starts for Dancer_79:

(Start: 25 @50321 has 14 MA's), (33, 50393), (34, 50405), (38, 50459),

Gene: Demure_71 Start: 50324, Stop: 50554, Start Num: 22

Candidate Starts for Demure_71:

(1, 50066), (3, 50096), (4, 50102), (11, 50246), (13, 50258), (Start: 22 @50324 has 10 MA's), (26, 50360), (27, 50363), (35, 50438), (39, 50507),

Gene: Duffington_74 Start: 51067, Stop: 51279, Start Num: 23

Candidate Starts for Duffington_74:

(16, 51016), (18, 51031), (Start: 23 @51067 has 4 MA's), (29, 51127), (37, 51202), (40, 51256),

Gene: EndAve_75 Start: 51080, Stop: 51307, Start Num: 22

Candidate Starts for EndAve_75:

(17, 51047), (Start: 22 @51080 has 10 MA's), (26, 51116), (27, 51119), (29, 51140), (35, 51194),

Gene: FortCran_76 Start: 50584, Stop: 50784, Start Num: 25

Candidate Starts for FortCran_76:

(Start: 25 @50584 has 14 MA's), (33, 50656), (34, 50668), (38, 50722),

Gene: Gill_74 Start: 50263, Stop: 50463, Start Num: 25

Candidate Starts for Gill_74:

(Start: 25 @50263 has 14 MA's), (33, 50335), (34, 50347),

Gene: Gravy_73 Start: 49941, Stop: 50141, Start Num: 25

Candidate Starts for Gravy_73:

(Start: 25 @49941 has 14 MA's), (33, 50013), (34, 50025),

Gene: Gusicorn_78 Start: 50705, Stop: 50938, Start Num: 22

Candidate Starts for Gusicorn_78:

(13, 50639), (Start: 22 @50705 has 10 MA's), (27, 50744), (30, 50771), (36, 50840),

Gene: JulesRay_78 Start: 50933, Stop: 51133, Start Num: 25

Candidate Starts for JulesRay_78:

(Start: 25 @50933 has 14 MA's), (33, 51005), (38, 51071),

Gene: Kenosha_73 Start: 50932, Stop: 51162, Start Num: 23

Candidate Starts for Kenosha_73:

(17, 50899), (20, 50911), (Start: 23 @50932 has 4 MA's), (26, 50968), (27, 50971), (30, 50995), (35, 51046), (39, 51115),

Gene: Kerry_73 Start: 50004, Stop: 50204, Start Num: 25

Candidate Starts for Kerry_73:

(Start: 25 @50004 has 14 MA's), (33, 50076), (34, 50088),

Gene: Madvan_74 Start: 50396, Stop: 50626, Start Num: 22

Candidate Starts for Madvan_74:

(1, 50138), (3, 50168), (4, 50174), (11, 50318), (13, 50330), (Start: 22 @50396 has 10 MA's), (26, 50432), (27, 50435), (35, 50510), (39, 50579),

Gene: Magel_75 Start: 50178, Stop: 50378, Start Num: 25

Candidate Starts for Magel_75:

(Start: 25 @50178 has 14 MA's), (33, 50250), (34, 50262),

Gene: Nithya_73 Start: 50778, Stop: 51005, Start Num: 22

Candidate Starts for Nithya_73:

(17, 50745), (Start: 22 @50778 has 10 MA's), (26, 50814), (27, 50817), (33, 50853), (35, 50892),

Gene: NoPickles_75 Start: 50100, Stop: 50300, Start Num: 25

Candidate Starts for NoPickles_75:

(Start: 25 @50100 has 14 MA's), (33, 50172), (38, 50238),

Gene: Odesza_73 Start: 50122, Stop: 50322, Start Num: 25

Candidate Starts for Odesza_73:

(Start: 25 @50122 has 14 MA's), (33, 50194), (34, 50206),

Gene: OlgasClover_75 Start: 51639, Stop: 51869, Start Num: 23

Candidate Starts for OlgasClover_75:

(16, 51588), (18, 51603), (Start: 23 @51639 has 4 MA's), (26, 51675), (27, 51678), (31, 51705), (34, 51726), (35, 51753), (39, 51822),

Gene: Perkunas_77 Start: 50320, Stop: 50520, Start Num: 25

Candidate Starts for Perkunas_77:

(5, 50089), (6, 50101), (7, 50104), (8, 50107), (9, 50179), (10, 50191), (15, 50260), (19, 50284), (21, 50302), (Start: 25 @50320 has 14 MA's), (32, 50386), (33, 50392), (34, 50404),

Gene: Petite_78 Start: 51778, Stop: 51978, Start Num: 25

Candidate Starts for Petite_78:

(Start: 25 @51778 has 14 MA's), (28, 51817), (33, 51850), (34, 51862),

Gene: Phepper_75 Start: 50638, Stop: 50868, Start Num: 22

Candidate Starts for Phepper_75:

(1, 50380), (3, 50410), (4, 50416), (11, 50560), (13, 50572), (Start: 22 @50638 has 10 MA's), (26, 50674), (27, 50677), (35, 50752), (39, 50821),

Gene: Roney_74 Start: 50288, Stop: 50488, Start Num: 25

Candidate Starts for Roney_74:

(Start: 25 @50288 has 14 MA's), (33, 50360), (34, 50372),

Gene: Runhaar_73 Start: 50447, Stop: 50677, Start Num: 22

Candidate Starts for Runhaar_73:

(1, 50189), (3, 50219), (4, 50225), (11, 50369), (13, 50381), (Start: 22 @50447 has 10 MA's), (26, 50483), (27, 50486), (35, 50561), (39, 50630),

Gene: ShaggyRogers_77 Start: 50438, Stop: 50668, Start Num: 22

Candidate Starts for ShaggyRogers_77:

(13, 50372), (Start: 22 @50438 has 10 MA's), (27, 50477), (34, 50525), (35, 50552), (40, 50627),

Gene: Talon44_79 Start: 51052, Stop: 51252, Start Num: 25

Candidate Starts for Talon44_79:

(Start: 25 @51052 has 14 MA's), (33, 51124), (38, 51190),

Gene: Tanis_74 Start: 50108, Stop: 50308, Start Num: 25

Candidate Starts for Tanis_74:

(Start: 25 @50108 has 14 MA's), (33, 50180), (34, 50192),

Gene: Untouchable_76 Start: 51635, Stop: 51865, Start Num: 22

Candidate Starts for Untouchable_76:

(1, 51377), (3, 51407), (4, 51413), (11, 51557), (13, 51569), (Start: 22 @51635 has 10 MA's), (26, 51671), (27, 51674), (35, 51749), (39, 51818),

Gene: Vardy_73 Start: 50334, Stop: 50564, Start Num: 22

Candidate Starts for Vardy_73:

(1, 50076), (2, 50100), (3, 50106), (4, 50112), (11, 50256), (13, 50268), (Start: 22 @50334 has 10 MA's), (26, 50370), (27, 50373), (35, 50448), (39, 50517),

Gene: Zeph_76 Start: 51472, Stop: 51702, Start Num: 22

Candidate Starts for Zeph_76:

(1, 51214), (4, 51250), (11, 51394), (13, 51406), (Start: 22 @51472 has 10 MA's), (26, 51508), (27, 51511), (35, 51586), (39, 51655),