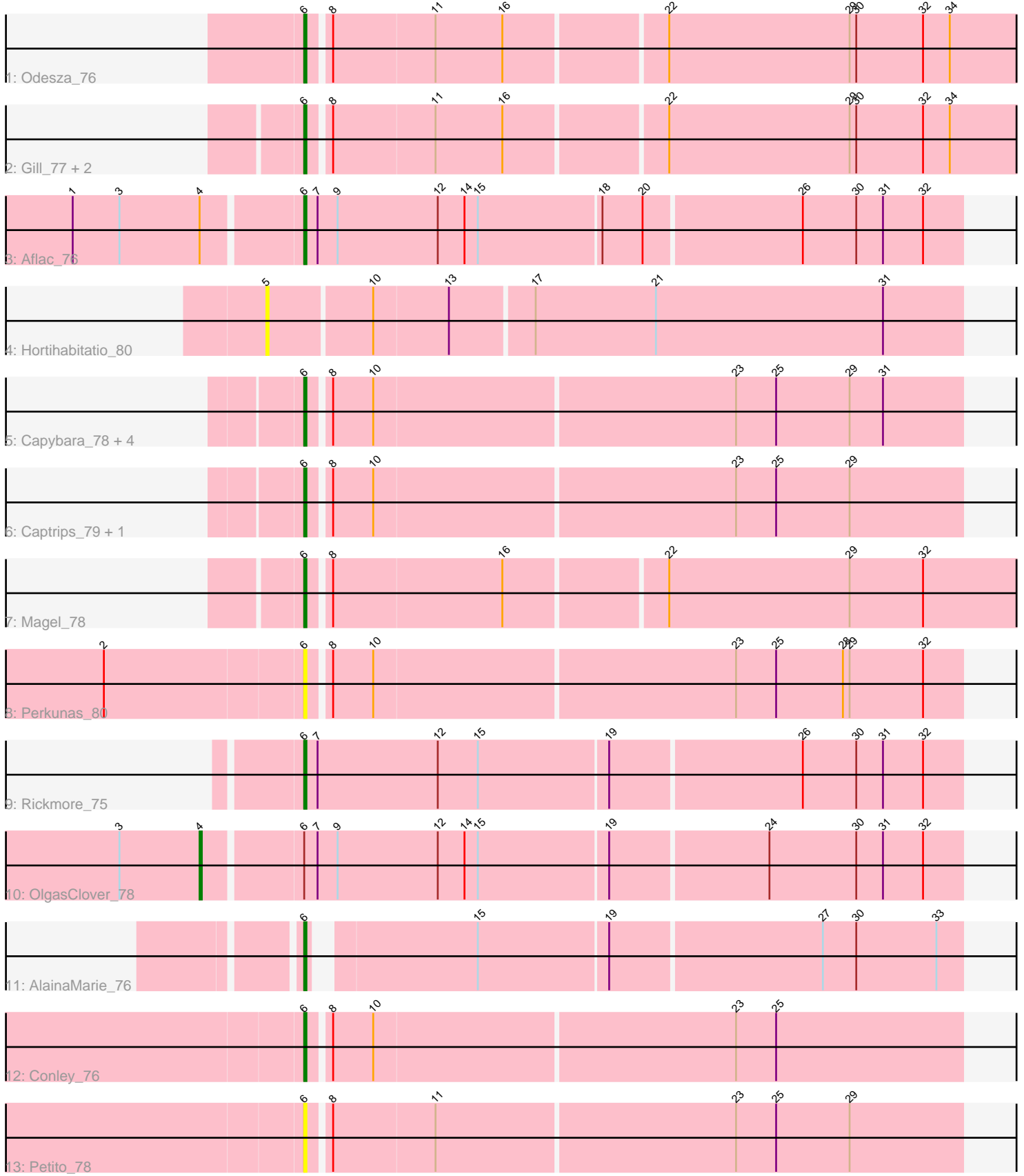


Pham 158188



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 158188 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158188 has 20 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Odesza_76
- Track 2 : Gill_77, Roney_76, Tanis_77
- Track 3 : Aflac_76
- Track 4 : Hortihabitatio_80
- Track 5 : Capybara_78, Artorias_79, Kerry_76, Gravy_76, FortCran_84
- Track 6 : Captrips_79, Avazak_80
- Track 7 : Magel_78
- Track 8 : Perkunas_80
- Track 9 : Rickmore_75
- Track 10 : OlgasClover_78
- Track 11 : AlainaMarie_76
- Track 12 : Conley_76
- Track 13 : 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 6, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_76, AlainaMarie_76, Artorias_79, Avazak_80, Captrips_79, Capybara_78, Conley_76, FortCran_84, Gill_77, Gravy_76, Kerry_76, Magel_78, Odesza_76, Perkunas_80, Petite_78, Rickmore_75, Roney_76, Tanis_77,

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

- OlgasClover_78,

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

- Hortihabitatio_80,

Summary by start number:

Start 4:

- Found in 2 of 20 (10.0%) of genes in pham

- Manual Annotations of this start: 1 of 14
- Called 50.0% of time when present
- Phage (with cluster) where this start called: OlgasClover_78 (DJ),

Start 5:

- Found in 1 of 20 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hortihabitatio_80 (DJ),

Start 6:

- Found in 19 of 20 (95.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Aflac_76 (DJ), AlainaMarie_76 (DJ), Artorias_79 (DJ), Avazak_80 (DJ), Captrips_79 (DJ), Capybara_78 (DJ), Conley_76 (DJ), FortCran_84 (DJ), Gill_77 (DJ), Gravy_76 (DJ), Kerry_76 (DJ), Magel_78 (DJ), Odesza_76 (DJ), Perkunas_80 (DJ), Petite_78 (DJ), Rickmore_75 (DJ), Roney_76 (DJ), Tanis_77 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 4 was manually annotated 1 time for cluster DJ.
- Start number 6 was manually annotated 13 times for cluster DJ.

Gene Information:

Gene: Aflac_76 Start: 51417, Stop: 51707, Start Num: 6

Candidate Starts for Aflac_76:

(1, 51318), (3, 51339), (Start: 4 @51375 has 1 MA's), (Start: 6 @51417 has 13 MA's), (7, 51423), (9, 51432), (12, 51477), (14, 51489), (15, 51495), (18, 51549), (20, 51567), (26, 51636), (30, 51660), (31, 51672), (32, 51690),

Gene: AlainaMarie_76 Start: 51470, Stop: 51748, Start Num: 6

Candidate Starts for AlainaMarie_76:

(Start: 6 @51470 has 13 MA's), (15, 51536), (19, 51593), (27, 51686), (30, 51701), (33, 51737),

Gene: Artorias_79 Start: 51103, Stop: 51390, Start Num: 6

Candidate Starts for Artorias_79:

(Start: 6 @51103 has 13 MA's), (8, 51112), (10, 51130), (23, 51289), (25, 51307), (29, 51340), (31, 51355),

Gene: Avazak_80 Start: 51785, Stop: 52072, Start Num: 6

Candidate Starts for Avazak_80:

(Start: 6 @51785 has 13 MA's), (8, 51794), (10, 51812), (23, 51971), (25, 51989), (29, 52022),

Gene: Captrips_79 Start: 50933, Stop: 51220, Start Num: 6

Candidate Starts for Captrips_79:

(Start: 6 @50933 has 13 MA's), (8, 50942), (10, 50960), (23, 51119), (25, 51137), (29, 51170),

Gene: Capybara_78 Start: 50770, Stop: 51057, Start Num: 6

Candidate Starts for Capybara_78:

(Start: 6 @50770 has 13 MA's), (8, 50779), (10, 50797), (23, 50956), (25, 50974), (29, 51007), (31, 51022),

Gene: Conley_76 Start: 51234, Stop: 51521, Start Num: 6

Candidate Starts for Conley_76:

(Start: 6 @51234 has 13 MA's), (8, 51243), (10, 51261), (23, 51420), (25, 51438),

Gene: FortCran_84 Start: 51103, Stop: 51390, Start Num: 6

Candidate Starts for FortCran_84:

(Start: 6 @51103 has 13 MA's), (8, 51112), (10, 51130), (23, 51289), (25, 51307), (29, 51340), (31, 51355),

Gene: Gill_77 Start: 50798, Stop: 51109, Start Num: 6

Candidate Starts for Gill_77:

(Start: 6 @50798 has 13 MA's), (8, 50807), (11, 50852), (16, 50882), (22, 50951), (29, 51032), (30, 51035), (32, 51065), (34, 51077),

Gene: Gravy_76 Start: 50460, Stop: 50747, Start Num: 6

Candidate Starts for Gravy_76:

(Start: 6 @50460 has 13 MA's), (8, 50469), (10, 50487), (23, 50646), (25, 50664), (29, 50697), (31, 50712),

Gene: Hortihabitatio_80 Start: 52238, Stop: 52543, Start Num: 5

Candidate Starts for Hortihabitatio_80:

(5, 52238), (10, 52283), (13, 52316), (17, 52352), (21, 52406), (31, 52508),

Gene: Kerry_76 Start: 50523, Stop: 50810, Start Num: 6

Candidate Starts for Kerry_76:

(Start: 6 @50523 has 13 MA's), (8, 50532), (10, 50550), (23, 50709), (25, 50727), (29, 50760), (31, 50775),

Gene: Magel_78 Start: 50713, Stop: 51024, Start Num: 6

Candidate Starts for Magel_78:

(Start: 6 @50713 has 13 MA's), (8, 50722), (16, 50797), (22, 50866), (29, 50947), (32, 50980),

Gene: Odesza_76 Start: 50660, Stop: 50971, Start Num: 6

Candidate Starts for Odesza_76:

(Start: 6 @50660 has 13 MA's), (8, 50669), (11, 50714), (16, 50744), (22, 50813), (29, 50894), (30, 50897), (32, 50927), (34, 50939),

Gene: OlgasClover_78 Start: 52236, Stop: 52568, Start Num: 4

Candidate Starts for OlgasClover_78:

(3, 52200), (Start: 4 @52236 has 1 MA's), (Start: 6 @52278 has 13 MA's), (7, 52284), (9, 52293), (12, 52338), (14, 52350), (15, 52356), (19, 52413), (24, 52482), (30, 52521), (31, 52533), (32, 52551),

Gene: Perkunas_80 Start: 50720, Stop: 51007, Start Num: 6

Candidate Starts for Perkunas_80:

(2, 50633), (Start: 6 @50720 has 13 MA's), (8, 50729), (10, 50747), (23, 50906), (25, 50924), (28, 50954), (29, 50957), (32, 50990),

Gene: Petito_78 Start: 52186, Stop: 52473, Start Num: 6

Candidate Starts for Petito_78:

(Start: 6 @52186 has 13 MA's), (8, 52195), (11, 52240), (23, 52372), (25, 52390), (29, 52423),

Gene: Rickmore_75 Start: 50033, Stop: 50323, Start Num: 6

Candidate Starts for Rickmore_75:

(Start: 6 @50033 has 13 MA's), (7, 50039), (12, 50093), (15, 50111), (19, 50168), (26, 50252), (30, 50276), (31, 50288), (32, 50306),

Gene: Roney_76 Start: 50823, Stop: 51134, Start Num: 6

Candidate Starts for Roney_76:

(Start: 6 @50823 has 13 MA's), (8, 50832), (11, 50877), (16, 50907), (22, 50976), (29, 51057), (30, 51060), (32, 51090), (34, 51102),

Gene: Tanis_77 Start: 50643, Stop: 50954, Start Num: 6

Candidate Starts for Tanis_77:

(Start: 6 @50643 has 13 MA's), (8, 50652), (11, 50697), (16, 50727), (22, 50796), (29, 50877), (30, 50880), (32, 50910), (34, 50922),