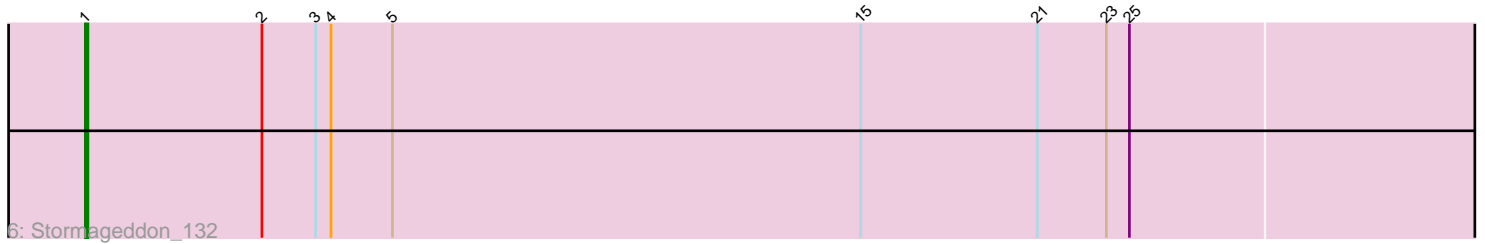
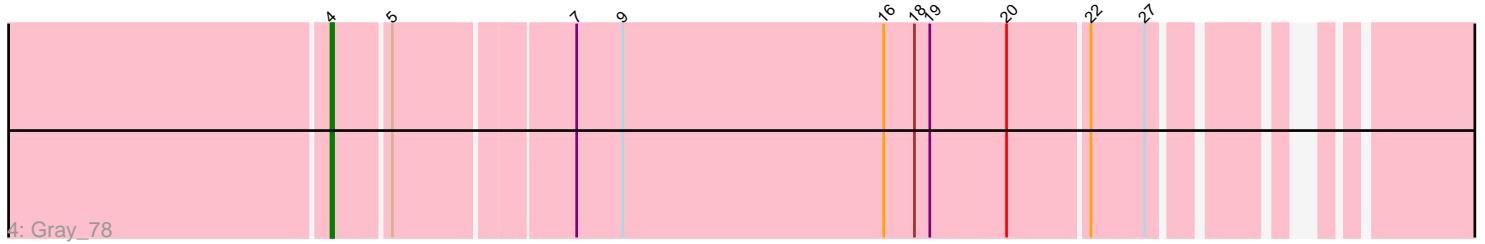
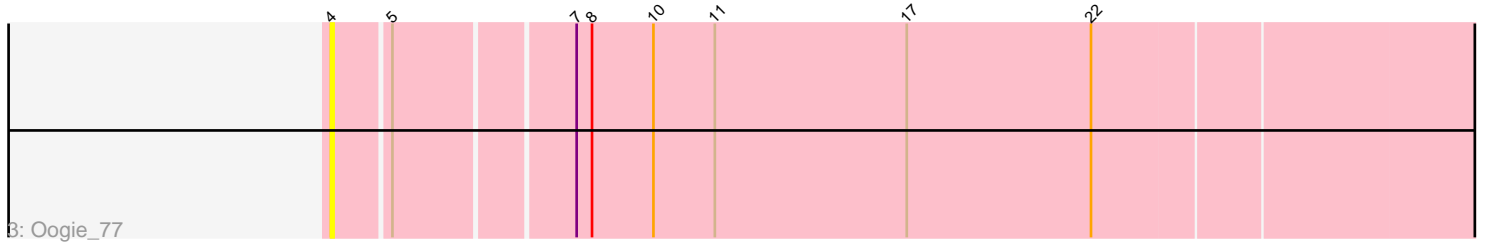
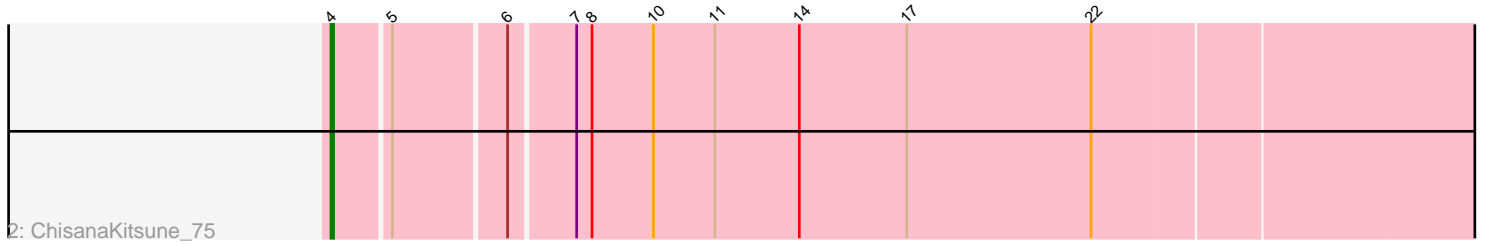
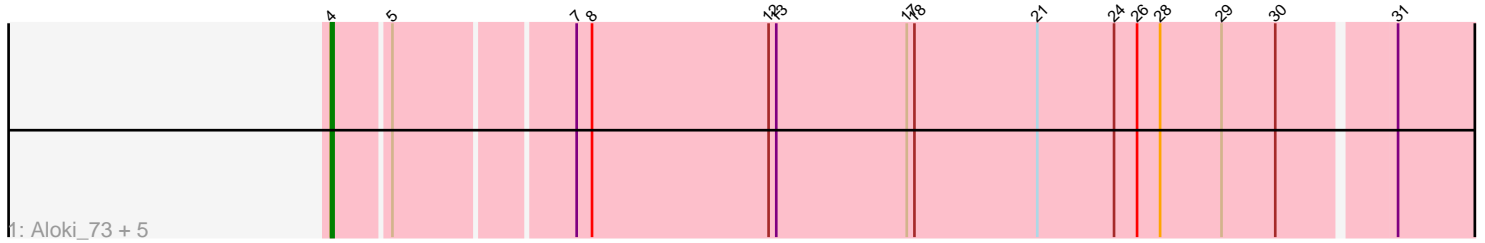


Pham 8683



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 8683 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8683 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Aloki_73, Schomber_76, Chidiebere_78, Kabocha_79, Pakusa_74, Hanem_77
- Track 2 : ChisanaKitsune_75
- Track 3 : Oogie_77
- Track 4 : Gray_78
- Track 5 : RedWattleHog_134
- Track 6 : Stormageddon_132

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_73, Chidiebere_78, ChisanaKitsune_75, Gray_78, Hanem_77, Kabocha_79, Oogie_77, Pakusa_74, Schomber_76,

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

- RedWattleHog_134, Stormageddon_132,

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

-

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Stormageddon_132 (DX),

Start 3:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 50.0% of time when present
- Phage (with cluster) where this start called: RedWattleHog_134 (DX),

Start 4:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Aloki_73 (DQ), Chidiebere_78 (DQ), ChisanaKitsune_75 (DQ), Gray_78 (DQ), Hanem_77 (DQ), Kabocha_79 (DQ), Oogie_77 (DQ), Pakusa_74 (DQ), Schomber_76 (DQ),

Summary by clusters:

There are 2 clusters represented in this pham: DX, DQ,

Info for manual annotations of cluster DQ:

- Start number 4 was manually annotated 6 times for cluster DQ.

Info for manual annotations of cluster DX:

- Start number 1 was manually annotated 1 time for cluster DX.
- Start number 3 was manually annotated 1 time for cluster DX.

Gene Information:

Gene: Aloki_73 Start: 61629, Stop: 62075, Start Num: 4

Candidate Starts for Aloki_73:

(Start: 4 @61629 has 6 MA's), (5, 61650), (7, 61716), (8, 61722), (12, 61791), (13, 61794), (17, 61845), (18, 61848), (21, 61896), (24, 61926), (26, 61935), (28, 61944), (29, 61968), (30, 61989), (31, 62031),

Gene: Chidiebere_78 Start: 62162, Stop: 62608, Start Num: 4

Candidate Starts for Chidiebere_78:

(Start: 4 @62162 has 6 MA's), (5, 62183), (7, 62249), (8, 62255), (12, 62324), (13, 62327), (17, 62378), (18, 62381), (21, 62429), (24, 62459), (26, 62468), (28, 62477), (29, 62501), (30, 62522), (31, 62564),

Gene: ChisanaKitsune_75 Start: 61329, Stop: 61778, Start Num: 4

Candidate Starts for ChisanaKitsune_75:

(Start: 4 @61329 has 6 MA's), (5, 61350), (6, 61392), (7, 61416), (8, 61422), (10, 61446), (11, 61470), (14, 61503), (17, 61545), (22, 61617),

Gene: Gray_78 Start: 62124, Stop: 62537, Start Num: 4

Candidate Starts for Gray_78:

(Start: 4 @62124 has 6 MA's), (5, 62145), (7, 62211), (9, 62229), (16, 62331), (18, 62343), (19, 62349), (20, 62379), (22, 62409), (27, 62430),

Gene: Hanem_77 Start: 61629, Stop: 62075, Start Num: 4

Candidate Starts for Hanem_77:

(Start: 4 @61629 has 6 MA's), (5, 61650), (7, 61716), (8, 61722), (12, 61791), (13, 61794), (17, 61845), (18, 61848), (21, 61896), (24, 61926), (26, 61935), (28, 61944), (29, 61968), (30, 61989), (31, 62031),

Gene: Kabocha_79 Start: 62972, Stop: 63418, Start Num: 4

Candidate Starts for Kabocha_79:

(Start: 4 @62972 has 6 MA's), (5, 62993), (7, 63059), (8, 63065), (12, 63134), (13, 63137), (17, 63188), (18, 63191), (21, 63239), (24, 63269), (26, 63278), (28, 63287), (29, 63311), (30, 63332), (31, 63374),

Gene: Oogie_77 Start: 63785, Stop: 64231, Start Num: 4

Candidate Starts for Oogie_77:

(Start: 4 @63785 has 6 MA's), (5, 63806), (7, 63872), (8, 63878), (10, 63902), (11, 63926), (17, 64001), (22, 64073),

Gene: Pakusa_74 Start: 61355, Stop: 61801, Start Num: 4

Candidate Starts for Pakusa_74:

(Start: 4 @61355 has 6 MA's), (5, 61376), (7, 61442), (8, 61448), (12, 61517), (13, 61520), (17, 61571), (18, 61574), (21, 61622), (24, 61652), (26, 61661), (28, 61670), (29, 61694), (30, 61715), (31, 61757),

Gene: RedWattleHog_134 Start: 96335, Stop: 96802, Start Num: 3

Candidate Starts for RedWattleHog_134:

(Start: 1 @96245 has 1 MA's), (2, 96314), (Start: 3 @96335 has 1 MA's), (Start: 4 @96341 has 6 MA's), (5, 96365), (15, 96548), (21, 96617), (23, 96644), (25, 96653),

Gene: Schomber_76 Start: 61363, Stop: 61809, Start Num: 4

Candidate Starts for Schomber_76:

(Start: 4 @61363 has 6 MA's), (5, 61384), (7, 61450), (8, 61456), (12, 61525), (13, 61528), (17, 61579), (18, 61582), (21, 61630), (24, 61660), (26, 61669), (28, 61678), (29, 61702), (30, 61723), (31, 61765),

Gene: Stormageddon_132 Start: 95967, Stop: 96524, Start Num: 1

Candidate Starts for Stormageddon_132:

(Start: 1 @95967 has 1 MA's), (2, 96036), (Start: 3 @96057 has 1 MA's), (Start: 4 @96063 has 6 MA's), (5, 96087), (15, 96270), (21, 96339), (23, 96366), (25, 96375),