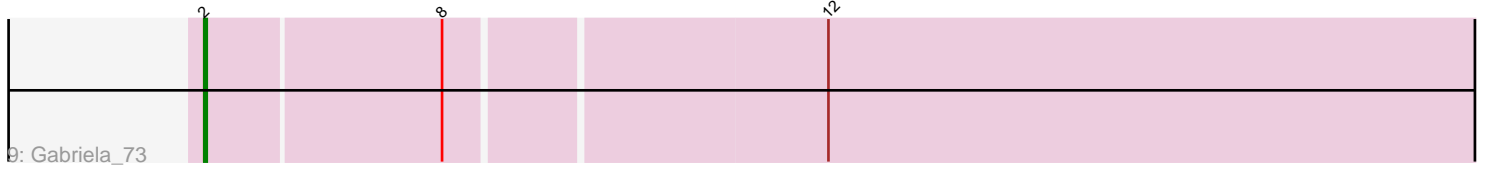
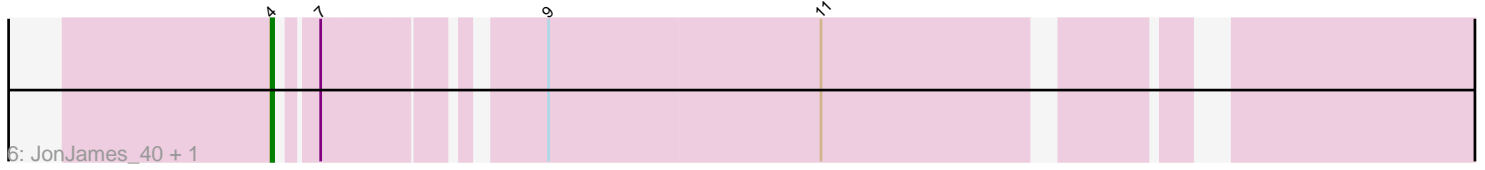
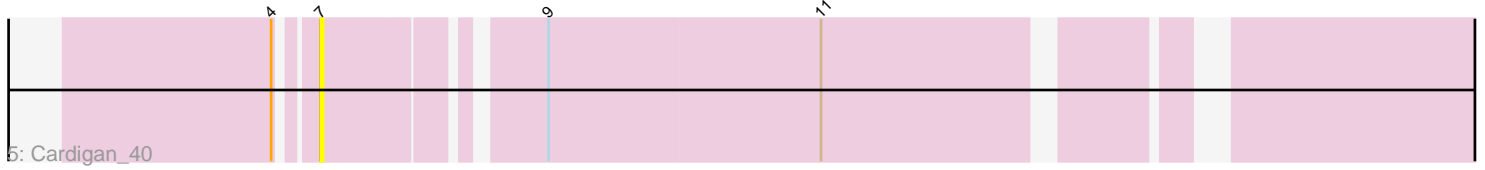
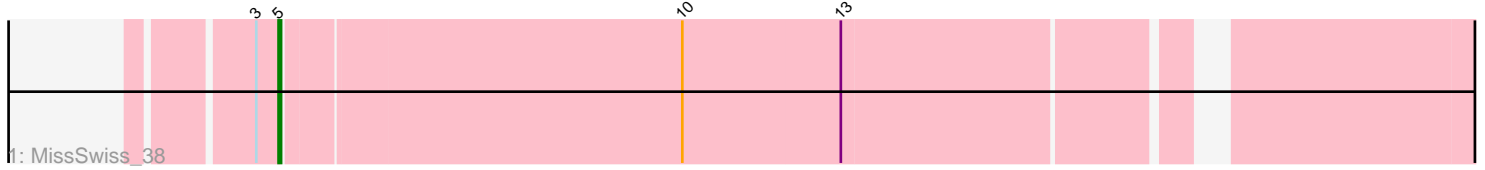


Pham 305276



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 305276 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305276 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MissSwiss_38
- Track 2 : Bachita_43, Abscondus_40, Aphelion_41, Toniann_41, Geeche_40, Norvs_42, ClubL_41, Smoothie_42, Dusty_40, Culver_41, Cucurbita_43, Miskis_39, PhinkBoden_41, Lozinak_41, Engineer_42
- Track 3 : WilliamBoone_41
- Track 4 : BrutonGaster_29
- Track 5 : Cardigan_40
- Track 6 : JonJames_40, Yvonnetastic_38
- Track 7 : SpeedDemon_240
- Track 8 : Bantam_23
- Track 9 : Gabriela_73

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 18 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_40, Aphelion_41, Bachita_43, BrutonGaster_29, ClubL_41, Cucurbita_43, Culver_41, Dusty_40, Engineer_42, Geeche_40, JonJames_40, Lozinak_41, Miskis_39, Norvs_42, PhinkBoden_41, Smoothie_42, Toniann_41, WilliamBoone_41, Yvonnetastic_38,

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

- Cardigan_40,

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

- Bantam_23, Gabriela_73, MissSwiss_38, SpeedDemon_240,

Summary by start number:

Start 2:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 22

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gabriela_73 (L2),

Start 4:

- Found in 20 of 24 (83.3%) of genes in pham
- Manual Annotations of this start: 18 of 22
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Abscondus_40 (CQ1), Aphelion_41 (CQ1), Bachita_43 (CQ1), BrutonGaster_29 (CQ2), ClubL_41 (CQ1), Cucurbita_43 (CQ1), Culver_41 (CQ1), Dusty_40 (CQ1), Engineer_42 (CQ1), Geeche_40 (CQ1), JonJames_40 (DD), Lozinak_41 (CQ1), Miskis_39 (CQ1), Norvs_42 (CQ1), PhinkBoden_41 (CQ1), Smoothie_42 (CQ1), Toniann_41 (CQ1), WilliamBoone_41 (CQ1), Yvonnetastic_38 (DD),

Start 5:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MissSwiss_38 (AZ1),

Start 6:

- Found in 2 of 24 (8.3%) of genes in pham
- Manual Annotations of this start: 2 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bantam_23 (DL), SpeedDemon_240 (DL),

Start 7:

- Found in 3 of 24 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cardigan_40 (DD),

Summary by clusters:

There are 6 clusters represented in this pham: DL, DD, L2, AZ1, CQ2, CQ1,

Info for manual annotations of cluster AZ1:

- Start number 5 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster CQ1:

- Start number 4 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 4 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:

- Start number 4 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 6 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster L2:

- Start number 2 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: Abscondus_40 Start: 17135, Stop: 17593, Start Num: 4

Candidate Starts for Abscondus_40:

(Start: 4 @17135 has 18 MA's),

Gene: Aphelion_41 Start: 17404, Stop: 17862, Start Num: 4

Candidate Starts for Aphelion_41:

(Start: 4 @17404 has 18 MA's),

Gene: Bachita_43 Start: 17837, Stop: 18295, Start Num: 4

Candidate Starts for Bachita_43:

(Start: 4 @17837 has 18 MA's),

Gene: Bantam_23 Start: 14778, Stop: 15239, Start Num: 6

Candidate Starts for Bantam_23:

(1, 14694), (Start: 6 @14778 has 2 MA's), (14, 15099), (18, 15198),

Gene: BrutonGaster_29 Start: 14029, Stop: 14475, Start Num: 4

Candidate Starts for BrutonGaster_29:

(Start: 4 @14029 has 18 MA's), (17, 14428),

Gene: Cardigan_40 Start: 19035, Stop: 19475, Start Num: 7

Candidate Starts for Cardigan_40:

(Start: 4 @19023 has 18 MA's), (7, 19035), (9, 19110), (11, 19218),

Gene: ClubL_41 Start: 17326, Stop: 17784, Start Num: 4

Candidate Starts for ClubL_41:

(Start: 4 @17326 has 18 MA's),

Gene: Cucurbita_43 Start: 18696, Stop: 19154, Start Num: 4

Candidate Starts for Cucurbita_43:

(Start: 4 @18696 has 18 MA's),

Gene: Culver_41 Start: 17135, Stop: 17593, Start Num: 4

Candidate Starts for Culver_41:

(Start: 4 @17135 has 18 MA's),

Gene: Dusty_40 Start: 17135, Stop: 17593, Start Num: 4

Candidate Starts for Dusty_40:

(Start: 4 @17135 has 18 MA's),

Gene: Engineer_42 Start: 17352, Stop: 17810, Start Num: 4

Candidate Starts for Engineer_42:

(Start: 4 @17352 has 18 MA's),

Gene: Gabriela_73 Start: 49202, Stop: 49747, Start Num: 2

Candidate Starts for Gabriela_73:

(Start: 2 @49202 has 1 MA's), (8, 49295), (12, 49442),

Gene: Geeche_40 Start: 17226, Stop: 17684, Start Num: 4

Candidate Starts for Geeche_40:

(Start: 4 @17226 has 18 MA's),

Gene: JonJames_40 Start: 21238, Stop: 21690, Start Num: 4

Candidate Starts for JonJames_40:

(Start: 4 @21238 has 18 MA's), (7, 21250), (9, 21325), (11, 21433),

Gene: Lozinak_41 Start: 17407, Stop: 17865, Start Num: 4

Candidate Starts for Lozinak_41:

(Start: 4 @17407 has 18 MA's),

Gene: Miskis_39 Start: 17170, Stop: 17628, Start Num: 4

Candidate Starts for Miskis_39:

(Start: 4 @17170 has 18 MA's),

Gene: MissSwiss_38 Start: 27401, Stop: 27859, Start Num: 5

Candidate Starts for MissSwiss_38:

(3, 27392), (Start: 5 @27401 has 1 MA's), (10, 27557), (13, 27620),

Gene: Norvs_42 Start: 17409, Stop: 17867, Start Num: 4

Candidate Starts for Norvs_42:

(Start: 4 @17409 has 18 MA's),

Gene: PhinkBoden_41 Start: 17790, Stop: 18248, Start Num: 4

Candidate Starts for PhinkBoden_41:

(Start: 4 @17790 has 18 MA's),

Gene: Smoothie_42 Start: 17407, Stop: 17865, Start Num: 4

Candidate Starts for Smoothie_42:

(Start: 4 @17407 has 18 MA's),

Gene: SpeedDemon_240 Start: 15094, Stop: 15555, Start Num: 6

Candidate Starts for SpeedDemon_240:

(Start: 6 @15094 has 2 MA's), (15, 15418), (16, 15454), (18, 15514),

Gene: Toniann_41 Start: 17352, Stop: 17810, Start Num: 4

Candidate Starts for Toniann_41:

(Start: 4 @17352 has 18 MA's),

Gene: WilliamBoone_41 Start: 16716, Stop: 17174, Start Num: 4

Candidate Starts for WilliamBoone_41:

(Start: 4 @16716 has 18 MA's),

Gene: Yvonnetastic_38 Start: 18787, Stop: 19239, Start Num: 4

Candidate Starts for Yvonnetastic_38:

(Start: 4 @18787 has 18 MA's), (7, 18799), (9, 18874), (11, 18982),