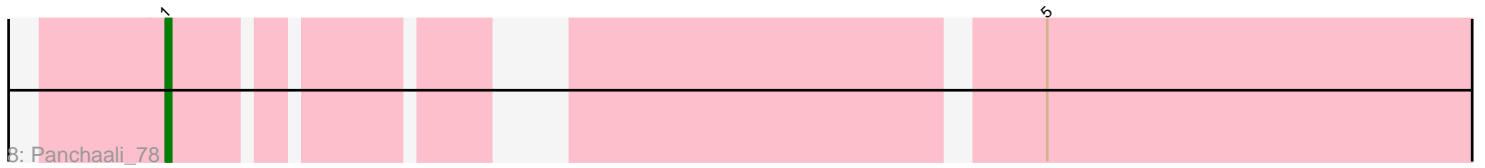
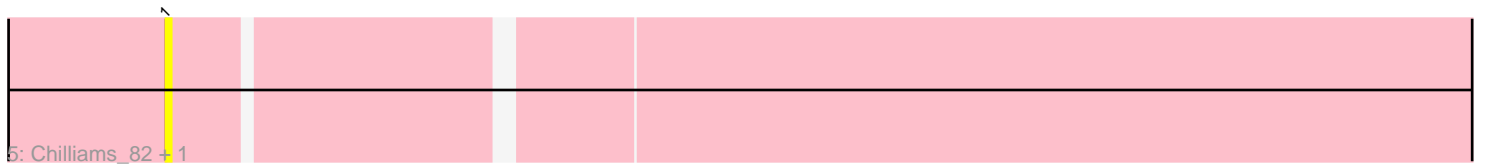


Pham 309137



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 309137 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309137 has 25 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Bloom_89, GoldenEssence_71, Patbob_84, FrostedClock_88, FloraSnap32_85, Racecar_86, Talia1610_85, Mimi_85
- Track 2 : Ellewin_74, Emmetator_78, KSunshine22_80, Artu_78, BooTeria_82, WaddleDee_73, DunneganBoMo_75
- Track 3 : LeoJr_85, ReginaGlobina_85, Atuin_80
- Track 4 : SJReid_88
- Track 5 : Chilliams_82, Rockabye_87
- Track 6 : Phrampa_77
- Track 7 : Stewart25555_76
- Track 8 : Panchaali_78
- Track 9 : Laure_87

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_78, Atuin_80, Bloom_89, BooTeria_82, Chilliams_82, DunneganBoMo_75, Ellewin_74, Emmetator_78, FloraSnap32_85, FrostedClock_88, GoldenEssence_71, KSunshine22_80, Laure_87, LeoJr_85, Mimi_85, Panchaali_78, Patbob_84, Phrampa_77, Racecar_86, ReginaGlobina_85, Rockabye_87, SJReid_88, Stewart25555_76, Talia1610_85, WaddleDee_73,

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

-

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

-

Summary by start number:

Start 1:

- Found in 25 of 25 (100.0%) of genes in pham

- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_78 (FC), Atuin_80 (FC), Bloom_89 (FC), BooTeria_82 (FC), Chilliams_82 (FC), DunneganBoMo_75 (FC), Ellewin_74 (FC), Emmetator_78 (FC), FloraSnap32_85 (FC), FrostedClock_88 (FC), GoldenEssence_71 (FC), KSunshine22_80 (FC), Laure_87 (UNK), LeoJr_85 (FC), Mimi_85 (FC), Panchaali_78 (FC), Patbob_84 (FC), Phrampa_77 (FC), Racecar_86 (FC), ReginaGlobina_85 (FC), Rockabye_87 (FC), SJReid_88 (FC), Stewart25555_76 (FC), Talia1610_85 (FC), WaddleDee_73 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 12 times for cluster FC.

Gene Information:

Gene: Artu_78 Start: 48551, Stop: 48823, Start Num: 1

Candidate Starts for Artu_78:

(Start: 1 @48551 has 12 MA's), (4, 48671),

Gene: Atuin_80 Start: 51196, Stop: 51471, Start Num: 1

Candidate Starts for Atuin_80:

(Start: 1 @51196 has 12 MA's), (3, 51301),

Gene: Bloom_89 Start: 52606, Stop: 52878, Start Num: 1

Candidate Starts for Bloom_89:

(Start: 1 @52606 has 12 MA's), (6, 52789),

Gene: BooTeria_82 Start: 48619, Stop: 48891, Start Num: 1

Candidate Starts for BooTeria_82:

(Start: 1 @48619 has 12 MA's), (4, 48739),

Gene: Chilliams_82 Start: 54441, Stop: 54743, Start Num: 1

Candidate Starts for Chilliams_82:

(Start: 1 @54441 has 12 MA's),

Gene: DunneganBoMo_75 Start: 48044, Stop: 48316, Start Num: 1

Candidate Starts for DunneganBoMo_75:

(Start: 1 @48044 has 12 MA's), (4, 48164),

Gene: Ellewin_74 Start: 47639, Stop: 47911, Start Num: 1

Candidate Starts for Ellewin_74:

(Start: 1 @47639 has 12 MA's), (4, 47759),

Gene: Emmetator_78 Start: 48791, Stop: 49063, Start Num: 1

Candidate Starts for Emmetator_78:

(Start: 1 @48791 has 12 MA's), (4, 48911),

Gene: FloraSnap32_85 Start: 51643, Stop: 51915, Start Num: 1
Candidate Starts for FloraSnap32_85:
(Start: 1 @51643 has 12 MA's), (6, 51826),

Gene: FrostedClock_88 Start: 52094, Stop: 52366, Start Num: 1
Candidate Starts for FrostedClock_88:
(Start: 1 @52094 has 12 MA's), (6, 52277),

Gene: GoldenEssence_71 Start: 46399, Stop: 46671, Start Num: 1
Candidate Starts for GoldenEssence_71:
(Start: 1 @46399 has 12 MA's), (6, 46582),

Gene: KSunshine22_80 Start: 49278, Stop: 49550, Start Num: 1
Candidate Starts for KSunshine22_80:
(Start: 1 @49278 has 12 MA's), (4, 49398),

Gene: Laure_87 Start: 52173, Stop: 52439, Start Num: 1
Candidate Starts for Laure_87:
(Start: 1 @52173 has 12 MA's), (2, 52215),

Gene: LeoJr_85 Start: 51324, Stop: 51599, Start Num: 1
Candidate Starts for LeoJr_85:
(Start: 1 @51324 has 12 MA's), (3, 51429),

Gene: Mimi_85 Start: 51953, Stop: 52225, Start Num: 1
Candidate Starts for Mimi_85:
(Start: 1 @51953 has 12 MA's), (6, 52136),

Gene: Panchaali_78 Start: 49033, Stop: 49311, Start Num: 1
Candidate Starts for Panchaali_78:
(Start: 1 @49033 has 12 MA's), (5, 49171),

Gene: Patbob_84 Start: 52825, Stop: 53097, Start Num: 1
Candidate Starts for Patbob_84:
(Start: 1 @52825 has 12 MA's), (6, 53008),

Gene: Phrampa_77 Start: 49551, Stop: 49823, Start Num: 1
Candidate Starts for Phrampa_77:
(Start: 1 @49551 has 12 MA's),

Gene: Racecar_86 Start: 52606, Stop: 52878, Start Num: 1
Candidate Starts for Racecar_86:
(Start: 1 @52606 has 12 MA's), (6, 52789),

Gene: ReginaGlobina_85 Start: 52077, Stop: 52352, Start Num: 1
Candidate Starts for ReginaGlobina_85:
(Start: 1 @52077 has 12 MA's), (3, 52182),

Gene: Rockabye_87 Start: 54794, Stop: 55096, Start Num: 1
Candidate Starts for Rockabye_87:
(Start: 1 @54794 has 12 MA's),

Gene: SJReid_88 Start: 53868, Stop: 54176, Start Num: 1
Candidate Starts for SJReid_88:
(Start: 1 @53868 has 12 MA's),

Gene: Stewart25555_76 Start: 48462, Stop: 48737, Start Num: 1
Candidate Starts for Stewart25555_76:
(Start: 1 @48462 has 12 MA's),

Gene: Talia1610_85 Start: 51971, Stop: 52243, Start Num: 1
Candidate Starts for Talia1610_85:
(Start: 1 @51971 has 12 MA's), (6, 52154),

Gene: WaddleDee_73 Start: 47899, Stop: 48171, Start Num: 1
Candidate Starts for WaddleDee_73:
(Start: 1 @47899 has 12 MA's), (4, 48019),