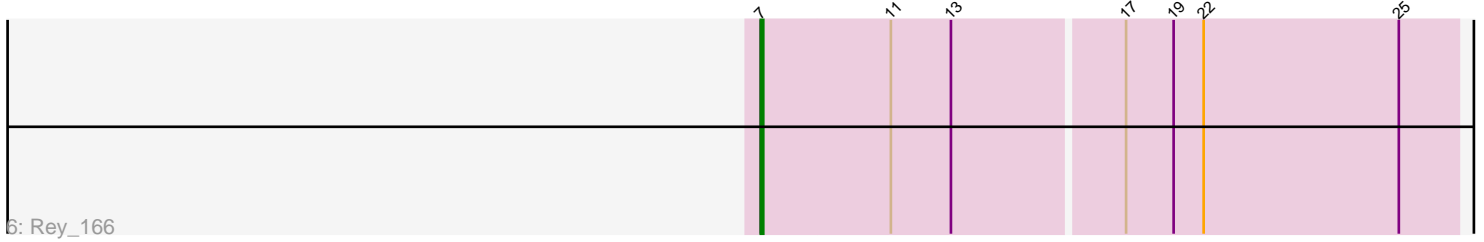
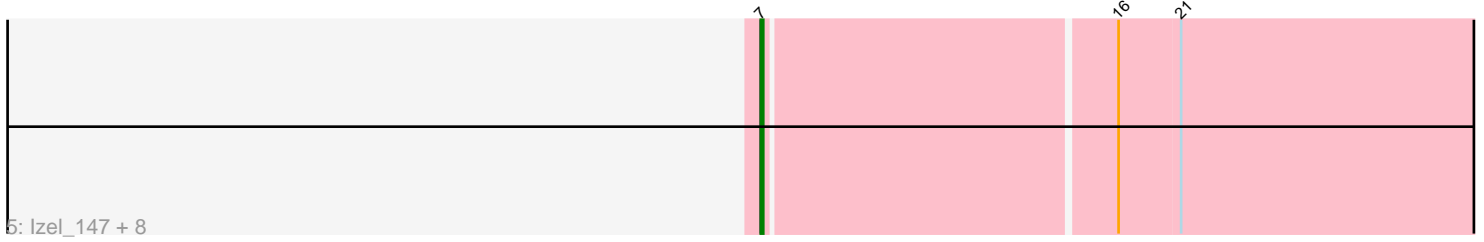
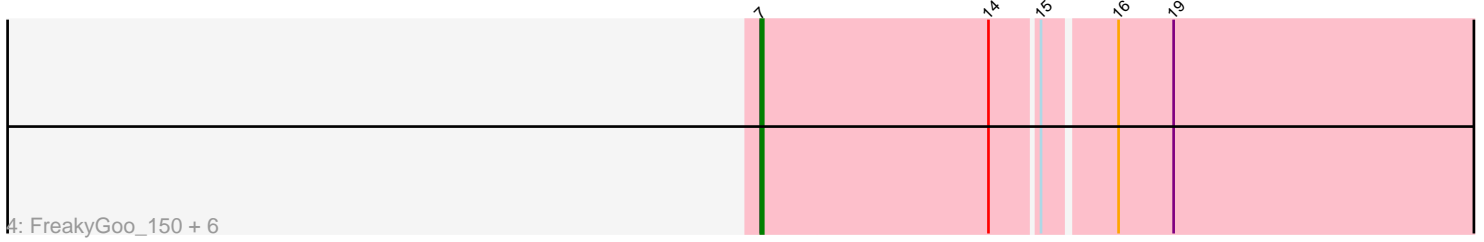
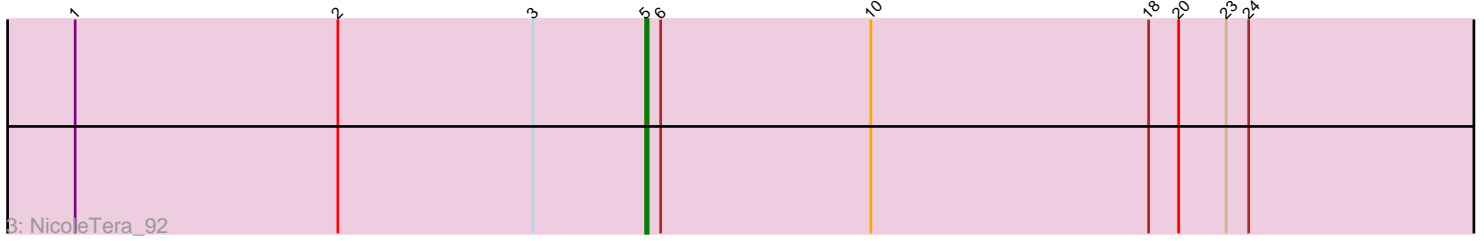
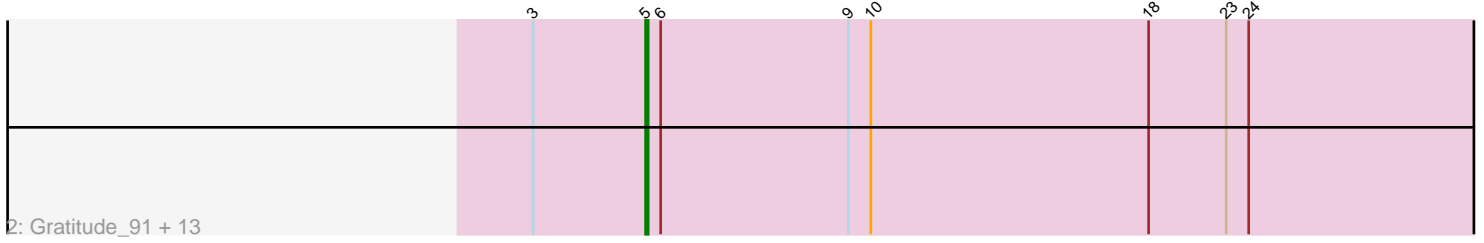
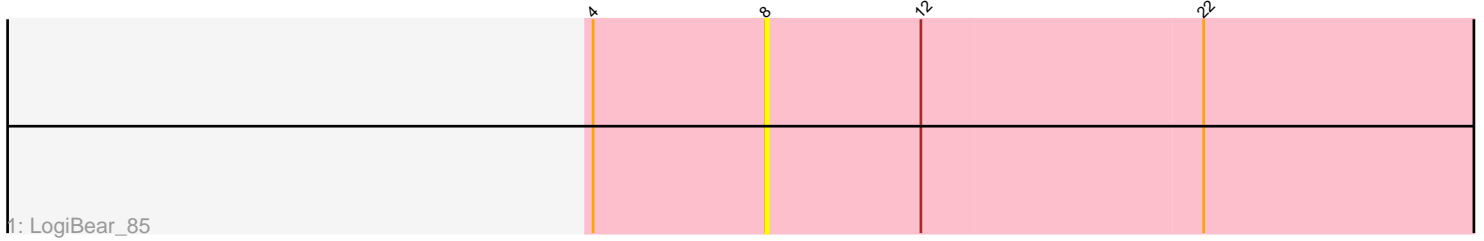


Pham 298653



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 298653 Report

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

Pham number 298653 has 33 members, 5 are drafts.

Phages represented in each track:

- Track 1 : LogiBear_85
- Track 2 : Gratitude_91, WideWale_94, HarryHoudini_92, Drake55_93, Flare16_93, Baehexic_92, Centaur_93, Sknot_93, Updawg_94, MiculUcigas_93, Terrific_94, Equemioh13_93, NaSiaTalie_94, Piro94_91
- Track 3 : NicoleTera_92
- Track 4 : FreakyGoo_150, TyDawg_144, SlimJimmy_148, Auspice_151, TpudiCK_151, IPhane7_148, KleverKiS_153
- Track 5 : Izel_147, Bricole_153, PegLeg_151, Dulcita_148, Glaske16_150, LilhomieP_147, Bongo_145, Skinny_154, Diminimus_148
- Track 6 : Rey_166

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

The start number called the most often in the published annotations is 7, it was called in 15 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_151, Bongo_145, Bricole_153, Diminimus_148, Dulcita_148, FreakyGoo_150, Glaske16_150, IPhane7_148, Izel_147, KleverKiS_153, LilhomieP_147, PegLeg_151, Rey_166, Skinny_154, SlimJimmy_148, TpudiCK_151, TyDawg_144,

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

-

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

- Baehexic_92, Centaur_93, Drake55_93, Equemioh13_93, Flare16_93, Gratitude_91, HarryHoudini_92, LogiBear_85, MiculUcigas_93, NaSiaTalie_94, NicoleTera_92, Piro94_91, Sknot_93, Terrific_94, Updawg_94, WideWale_94,

Summary by start number:

Start 5:

- Found in 15 of 33 (45.5%) of genes in pham

- Manual Annotations of this start: 13 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baehexic_92 (A2), Centaur_93 (A2), Drake55_93 (A2), Equemioh13_93 (A2), Flare16_93 (A2), Gratitude_91 (A2), HarryHoudini_92 (A2), MiculUcigas_93 (A2), NaSiaTalie_94 (A2), NicoleTera_92 (A2), Piro94_91 (A2), Sknot_93 (A2), Terrific_94 (A2), Updawg_94 (A2), WideWale_94 (A2),

Start 7:

- Found in 17 of 33 (51.5%) of genes in pham
- Manual Annotations of this start: 15 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_151 (M1), Bongo_145 (M1), Bricole_153 (M1), Diminimus_148 (M1), Dulcita_148 (M1), FreakyGoo_150 (M1), Glaske16_150 (M1), IPhone7_148 (M1), Izel_147 (M1), KleverKiS_153 (M1), LilhomieP_147 (M1), PegLeg_151 (M1), Rey_166 (M2), Skinny_154 (M1), SlimJimmy_148 (M1), TpudiCK_151 (M1), TyDawg_144 (M1),

Start 8:

- Found in 1 of 33 (3.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LogiBear_85 (A15),

Summary by clusters:

There are 4 clusters represented in this pham: A15, A2, M1, M2,

Info for manual annotations of cluster A2:

- Start number 5 was manually annotated 13 times for cluster A2.

Info for manual annotations of cluster M1:

- Start number 7 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 7 was manually annotated 1 time for cluster M2.

Gene Information:

Gene: Auspice_151 Start: 76612, Stop: 76337, Start Num: 7

Candidate Starts for Auspice_151:

(Start: 7 @76612 has 15 MA's), (14, 76522), (15, 76504), (16, 76477), (19, 76456),

Gene: Baehexic_92 Start: 50327, Stop: 49998, Start Num: 5

Candidate Starts for Baehexic_92:

(3, 50372), (Start: 5 @50327 has 13 MA's), (6, 50321), (9, 50246), (10, 50237), (18, 50126), (23, 50096), (24, 50087),

Gene: Bongo_145 Start: 75470, Stop: 75192, Start Num: 7

Candidate Starts for Bongo_145:

(Start: 7 @75470 has 15 MA's), (16, 75332), (21, 75308),

Gene: Bricole_153 Start: 76373, Stop: 76098, Start Num: 7

Candidate Starts for Bricole_153:

(Start: 7 @76373 has 15 MA's), (16, 76238), (21, 76214),

Gene: Centaur_93 Start: 50194, Stop: 49865, Start Num: 5

Candidate Starts for Centaur_93:

(3, 50239), (Start: 5 @50194 has 13 MA's), (6, 50188), (9, 50113), (10, 50104), (18, 49993), (23, 49963), (24, 49954),

Gene: Diminimus_148 Start: 75283, Stop: 75008, Start Num: 7

Candidate Starts for Diminimus_148:

(Start: 7 @75283 has 15 MA's), (16, 75148), (21, 75124),

Gene: Drake55_93 Start: 50106, Stop: 49777, Start Num: 5

Candidate Starts for Drake55_93:

(3, 50151), (Start: 5 @50106 has 13 MA's), (6, 50100), (9, 50025), (10, 50016), (18, 49905), (23, 49875), (24, 49866),

Gene: Dulcita_148 Start: 75284, Stop: 75009, Start Num: 7

Candidate Starts for Dulcita_148:

(Start: 7 @75284 has 15 MA's), (16, 75149), (21, 75125),

Gene: Equemioh13_93 Start: 50429, Stop: 50100, Start Num: 5

Candidate Starts for Equemioh13_93:

(3, 50474), (Start: 5 @50429 has 13 MA's), (6, 50423), (9, 50348), (10, 50339), (18, 50228), (23, 50198), (24, 50189),

Gene: Flare16_93 Start: 50244, Stop: 49915, Start Num: 5

Candidate Starts for Flare16_93:

(3, 50289), (Start: 5 @50244 has 13 MA's), (6, 50238), (9, 50163), (10, 50154), (18, 50043), (23, 50013), (24, 50004),

Gene: FreakyGoo_150 Start: 76527, Stop: 76252, Start Num: 7

Candidate Starts for FreakyGoo_150:

(Start: 7 @76527 has 15 MA's), (14, 76437), (15, 76419), (16, 76392), (19, 76371),

Gene: Glaske16_150 Start: 76402, Stop: 76127, Start Num: 7

Candidate Starts for Glaske16_150:

(Start: 7 @76402 has 15 MA's), (16, 76267), (21, 76243),

Gene: Gratitude_91 Start: 50429, Stop: 50100, Start Num: 5

Candidate Starts for Gratitude_91:

(3, 50474), (Start: 5 @50429 has 13 MA's), (6, 50423), (9, 50348), (10, 50339), (18, 50228), (23, 50198), (24, 50189),

Gene: HarryHoudini_92 Start: 50110, Stop: 49781, Start Num: 5

Candidate Starts for HarryHoudini_92:

(3, 50155), (Start: 5 @50110 has 13 MA's), (6, 50104), (9, 50029), (10, 50020), (18, 49909), (23, 49879), (24, 49870),

Gene: IPhone7_148 Start: 76228, Stop: 75953, Start Num: 7

Candidate Starts for IPhane7_148:

(Start: 7 @76228 has 15 MA's), (14, 76138), (15, 76120), (16, 76093), (19, 76072),

Gene: Izel_147 Start: 75283, Stop: 75008, Start Num: 7

Candidate Starts for Izel_147:

(Start: 7 @75283 has 15 MA's), (16, 75148), (21, 75124),

Gene: KleverKiS_153 Start: 77285, Stop: 77010, Start Num: 7

Candidate Starts for KleverKiS_153:

(Start: 7 @77285 has 15 MA's), (14, 77195), (15, 77177), (16, 77150), (19, 77129),

Gene: LilhomieP_147 Start: 76313, Stop: 76038, Start Num: 7

Candidate Starts for LilhomieP_147:

(Start: 7 @76313 has 15 MA's), (16, 76178), (21, 76154),

Gene: LogiBear_85 Start: 47136, Stop: 46855, Start Num: 8

Candidate Starts for LogiBear_85:

(4, 47205), (8, 47136), (12, 47076), (22, 46965),

Gene: MiculUcigas_93 Start: 50147, Stop: 49818, Start Num: 5

Candidate Starts for MiculUcigas_93:

(3, 50192), (Start: 5 @50147 has 13 MA's), (6, 50141), (9, 50066), (10, 50057), (18, 49946), (23, 49916), (24, 49907),

Gene: NaSiaTalie_94 Start: 50308, Stop: 49979, Start Num: 5

Candidate Starts for NaSiaTalie_94:

(3, 50353), (Start: 5 @50308 has 13 MA's), (6, 50302), (9, 50227), (10, 50218), (18, 50107), (23, 50077), (24, 50068),

Gene: NicoleTera_92 Start: 50304, Stop: 49975, Start Num: 5

Candidate Starts for NicoleTera_92:

(1, 50532), (2, 50427), (3, 50349), (Start: 5 @50304 has 13 MA's), (6, 50298), (10, 50214), (18, 50103), (20, 50091), (23, 50073), (24, 50064),

Gene: PegLeg_151 Start: 76197, Stop: 75922, Start Num: 7

Candidate Starts for PegLeg_151:

(Start: 7 @76197 has 15 MA's), (16, 76062), (21, 76038),

Gene: Piro94_91 Start: 50035, Stop: 49706, Start Num: 5

Candidate Starts for Piro94_91:

(3, 50080), (Start: 5 @50035 has 13 MA's), (6, 50029), (9, 49954), (10, 49945), (18, 49834), (23, 49804), (24, 49795),

Gene: Rey_166 Start: 78620, Stop: 78348, Start Num: 7

Candidate Starts for Rey_166:

(Start: 7 @78620 has 15 MA's), (11, 78569), (13, 78545), (17, 78479), (19, 78461), (22, 78449), (25, 78371),

Gene: Skinny_154 Start: 77314, Stop: 77039, Start Num: 7

Candidate Starts for Skinny_154:

(Start: 7 @77314 has 15 MA's), (16, 77179), (21, 77155),

Gene: Sknot_93 Start: 50241, Stop: 49912, Start Num: 5

Candidate Starts for Sknot_93:

(3, 50286), (Start: 5 @50241 has 13 MA's), (6, 50235), (9, 50160), (10, 50151), (18, 50040), (23, 50010), (24, 50001),

Gene: SlimJimmy_148 Start: 76786, Stop: 76511, Start Num: 7

Candidate Starts for SlimJimmy_148:

(Start: 7 @76786 has 15 MA's), (14, 76696), (15, 76678), (16, 76651), (19, 76630),

Gene: Terrific_94 Start: 50209, Stop: 49880, Start Num: 5

Candidate Starts for Terrific_94:

(3, 50254), (Start: 5 @50209 has 13 MA's), (6, 50203), (9, 50128), (10, 50119), (18, 50008), (23, 49978), (24, 49969),

Gene: TpudiCK_151 Start: 76046, Stop: 75771, Start Num: 7

Candidate Starts for TpudiCK_151:

(Start: 7 @76046 has 15 MA's), (14, 75956), (15, 75938), (16, 75911), (19, 75890),

Gene: TyDawg_144 Start: 76231, Stop: 75956, Start Num: 7

Candidate Starts for TyDawg_144:

(Start: 7 @76231 has 15 MA's), (14, 76141), (15, 76123), (16, 76096), (19, 76075),

Gene: Updawg_94 Start: 50429, Stop: 50100, Start Num: 5

Candidate Starts for Updawg_94:

(3, 50474), (Start: 5 @50429 has 13 MA's), (6, 50423), (9, 50348), (10, 50339), (18, 50228), (23, 50198), (24, 50189),

Gene: WideWale_94 Start: 50429, Stop: 50100, Start Num: 5

Candidate Starts for WideWale_94:

(3, 50474), (Start: 5 @50429 has 13 MA's), (6, 50423), (9, 50348), (10, 50339), (18, 50228), (23, 50198), (24, 50189),