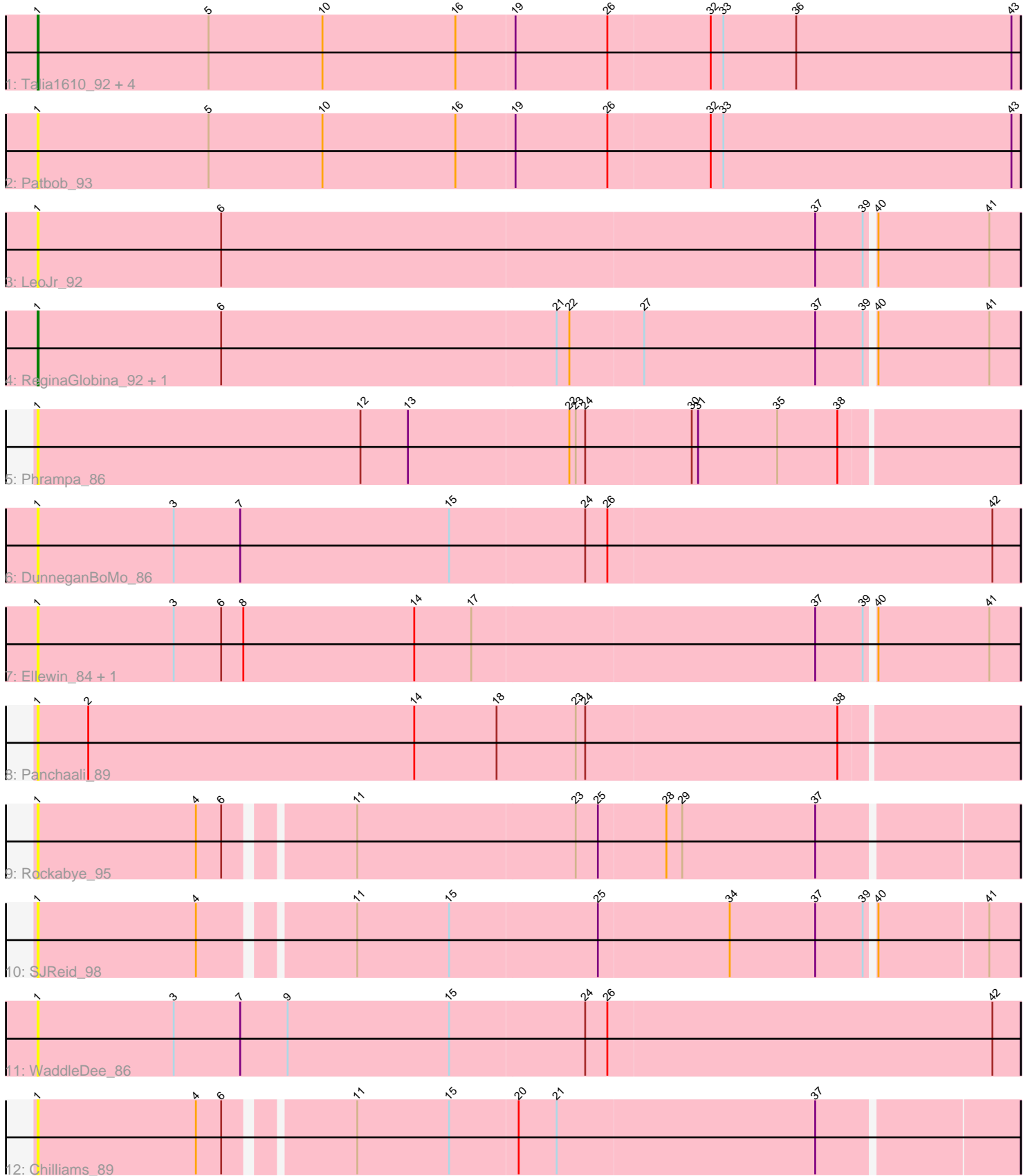


Pham 216605



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 216605 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216605 has 18 members, 14 are drafts.

Phages represented in each track:

- Track 1 : Talia1610_92, Mimi_92, Racecar_93, GoldenEssence_81, Bloom_96
- Track 2 : Patbob_93
- Track 3 : LeoJr_92
- Track 4 : ReginaGlobina_92, Atuin_87
- Track 5 : Phrampa_86
- Track 6 : DunneganBoMo_86
- Track 7 : Ellewin_84, KSunshine22_87
- Track 8 : Panchaali_89
- Track 9 : Rockabye_95
- Track 10 : SJReid_98
- Track 11 : WaddleDee_86
- Track 12 : Chilliams_89

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_87, Bloom_96, Chilliams_89, DunneganBoMo_86, Ellewin_84, GoldenEssence_81, KSunshine22_87, LeoJr_92, Mimi_92, Panchaali_89, Patbob_93, Phrampa_86, Racecar_93, ReginaGlobina_92, Rockabye_95, SJReid_98, Talia1610_92, WaddleDee_86,

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 18 of 18 (100.0%) of genes in pham

- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_87 (FC), Bloom_96 (FC), Chilliams_89 (FC), DunneganBoMo_86 (FC), Ellewin_84 (FC), GoldenEssence_81 (FC), KSunshine22_87 (FC), LeoJr_92 (FC), Mimi_92 (FC), Panchaali_89 (FC), Patbob_93 (FC), Phrampa_86 (FC), Racecar_93 (FC), ReginaGlobina_92 (FC), Rockabye_95 (FC), SJReid_98 (FC), Talia1610_92 (FC), WaddleDee_86 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Atuin_87 Start: 60814, Stop: 61731, Start Num: 1

Candidate Starts for Atuin_87:

(Start: 1 @60814 has 4 MA's), (6, 60988), (21, 61303), (22, 61315), (27, 61384), (37, 61546), (39, 61591), (40, 61597), (41, 61702),

Gene: Bloom_96 Start: 61677, Stop: 62603, Start Num: 1

Candidate Starts for Bloom_96:

(Start: 1 @61677 has 4 MA's), (5, 61839), (10, 61947), (16, 62073), (19, 62127), (26, 62214), (32, 62310), (33, 62322), (36, 62391), (43, 62595),

Gene: Chilliams_89 Start: 62104, Stop: 62997, Start Num: 1

Candidate Starts for Chilliams_89:

(Start: 1 @62104 has 4 MA's), (4, 62254), (6, 62278), (11, 62386), (15, 62473), (20, 62536), (21, 62572), (37, 62815),

Gene: DunneganBoMo_86 Start: 57671, Stop: 58597, Start Num: 1

Candidate Starts for DunneganBoMo_86:

(Start: 1 @57671 has 4 MA's), (3, 57800), (7, 57863), (15, 58061), (24, 58187), (26, 58208), (42, 58571),

Gene: Ellewin_84 Start: 57260, Stop: 58177, Start Num: 1

Candidate Starts for Ellewin_84:

(Start: 1 @57260 has 4 MA's), (3, 57389), (6, 57434), (8, 57455), (14, 57617), (17, 57671), (37, 57992), (39, 58037), (40, 58043), (41, 58148),

Gene: GoldenEssence_81 Start: 55473, Stop: 56399, Start Num: 1

Candidate Starts for GoldenEssence_81:

(Start: 1 @55473 has 4 MA's), (5, 55635), (10, 55743), (16, 55869), (19, 55923), (26, 56010), (32, 56106), (33, 56118), (36, 56187), (43, 56391),

Gene: KSunshine22_87 Start: 58893, Stop: 59810, Start Num: 1

Candidate Starts for KSunshine22_87:

(Start: 1 @58893 has 4 MA's), (3, 59022), (6, 59067), (8, 59088), (14, 59250), (17, 59304), (37, 59625), (39, 59670), (40, 59676), (41, 59781),

Gene: LeoJr_92 Start: 60942, Stop: 61859, Start Num: 1

Candidate Starts for LeoJr_92:

(Start: 1 @60942 has 4 MA's), (6, 61116), (37, 61674), (39, 61719), (40, 61725), (41, 61830),

Gene: Mimi_92 Start: 61024, Stop: 61950, Start Num: 1

Candidate Starts for Mimi_92:

(Start: 1 @61024 has 4 MA's), (5, 61186), (10, 61294), (16, 61420), (19, 61474), (26, 61561), (32, 61657), (33, 61669), (36, 61738), (43, 61942),

Gene: Panchaali_89 Start: 58770, Stop: 59690, Start Num: 1

Candidate Starts for Panchaali_89:

(Start: 1 @58770 has 4 MA's), (2, 58818), (14, 59127), (18, 59205), (23, 59280), (24, 59289), (38, 59526),

Gene: Patbob_93 Start: 61896, Stop: 62822, Start Num: 1

Candidate Starts for Patbob_93:

(Start: 1 @61896 has 4 MA's), (5, 62058), (10, 62166), (16, 62292), (19, 62346), (26, 62433), (32, 62529), (33, 62541), (43, 62814),

Gene: Phrampa_86 Start: 59210, Stop: 60127, Start Num: 1

Candidate Starts for Phrampa_86:

(Start: 1 @59210 has 4 MA's), (12, 59516), (13, 59561), (22, 59711), (23, 59717), (24, 59726), (30, 59825), (31, 59831), (35, 59906), (38, 59963),

Gene: Racecar_93 Start: 61677, Stop: 62603, Start Num: 1

Candidate Starts for Racecar_93:

(Start: 1 @61677 has 4 MA's), (5, 61839), (10, 61947), (16, 62073), (19, 62127), (26, 62214), (32, 62310), (33, 62322), (36, 62391), (43, 62595),

Gene: ReginaGlobina_92 Start: 61695, Stop: 62612, Start Num: 1

Candidate Starts for ReginaGlobina_92:

(Start: 1 @61695 has 4 MA's), (6, 61869), (21, 62184), (22, 62196), (27, 62265), (37, 62427), (39, 62472), (40, 62478), (41, 62583),

Gene: Rockabye_95 Start: 62463, Stop: 63356, Start Num: 1

Candidate Starts for Rockabye_95:

(Start: 1 @62463 has 4 MA's), (4, 62613), (6, 62637), (11, 62745), (23, 62949), (25, 62970), (28, 63033), (29, 63048), (37, 63174),

Gene: SJReid_98 Start: 61516, Stop: 62409, Start Num: 1

Candidate Starts for SJReid_98:

(Start: 1 @61516 has 4 MA's), (4, 61666), (11, 61798), (15, 61885), (25, 62023), (34, 62146), (37, 62227), (39, 62272), (40, 62278), (41, 62380),

Gene: Talia1610_92 Start: 61042, Stop: 61968, Start Num: 1

Candidate Starts for Talia1610_92:

(Start: 1 @61042 has 4 MA's), (5, 61204), (10, 61312), (16, 61438), (19, 61492), (26, 61579), (32, 61675), (33, 61687), (36, 61756), (43, 61960),

Gene: WaddleDee_86 Start: 57526, Stop: 58452, Start Num: 1

Candidate Starts for WaddleDee_86:

(Start: 1 @57526 has 4 MA's), (3, 57655), (7, 57718), (9, 57763), (15, 57916), (24, 58042), (26, 58063), (42, 58426),