Pham 348066


1: GoldenEssence_219 + 2
2: Bloom_234 + 4
3: Ellewin_246
4: Phrampa_223
5: Emmetator_247
6: BooTeria_244 + 2
7: Panchaali_243
8: KSunshine22_253
9: SJReid_274
10: Artu_247
11: Stewart25555_247
12: Laure_269

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 348066 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348066 has 20 members, 5 are drafts.

Phages represented in each track:
• Track 1 : GoldenEssence_219, FloraSnap32_225, Patbob_228
• Track 2 : Bloom_234, Racecar_232, Mimi_230, FrostedClock_232, Talia1610_232
• Track 3 : Ellewin_246
• Track 4 : Phrampa_223
• Track 5 : Emmetator_247
• Track 6 : BooTeria_244, WaddleDee_244, DunneganBoMo_246
• Track 7 : Panchaali_243
• Track 8 : KSunshine22_253
• Track 9 : SJReid_274
• Track 10 : Artu_247
• Track 11 : Stewart25555_247
• Track 12 : Laure_269

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_234, FloraSnap32_225, FrostedClock_232, GoldenEssence_219, Laure_269, Mimi_230, Patbob_228, Phrampa_223, Racecar_232, Talia1610_232,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Artu_247, BooTeria_244, DunneganBoMo_246, Ellewin_246, Emmetator_247, KSunshine22_253, Panchaali_243, SJReid_274, Stewart25555_247, WaddleDee_244,

Summary by start number:

Start 6:
• Found in 1 of 20 (5.0%) of genes in pham

• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Panchaali_243 (FC),

Start 7:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Artu_247 (FC), BooTeria_244 (FC), DunneganBoMo_246 (FC), Ellewin_246 (FC), Emmetator_247 (FC), KSunshine22_253 (FC), Stewart25555_247 (FC), WaddleDee_244 (FC),

Start 8:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_274 (FC),

Start 9:
• Found in 10 of 20 (50.0%) of genes in pham
• Manual Annotations of this start: 8 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_234 (FC), FloraSnap32_225 (FC), FrostedClock_232 (FC), GoldenEssence_219 (FC), Laure_269 (UNK), Mimi_230 (FC), Patbob_228 (FC), Phrampa_223 (FC), Racecar_232 (FC), Talia1610_232 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 6 was manually annotated 1 time for cluster FC.
•Start number 7 was manually annotated 5 times for cluster FC.
•Start number 8 was manually annotated 1 time for cluster FC.
•Start number 9 was manually annotated 8 times for cluster FC.

Gene Information:

Gene: Artu_247 Start: 164757, Stop: 165377, Start Num: 7
Candidate Starts for Artu_247:
(Start: 7 @164757 has 5 MA's), (22, 164865), (53, 165309), (55, 165369),

Gene: Bloom_234 Start: 152738, Stop: 153346, Start Num: 9
Candidate Starts for Bloom_234:
(Start: 9 @152738 has 8 MA's), (10, 152762), (13, 152801), (15, 152813), (33, 153017), (39, 153095), (49, 153236), (50, 153260),

Gene: BooTeria_244 Start: 163257, Stop: 163877, Start Num: 7
Candidate Starts for BooTeria_244:

(5, 163221), (Start: 7 @163257 has 5 MA's), (17, 163332), (22, 163365), (52, 163794), (53, 163809), (55, 163869),

Gene: DunneganBoMo_246 Start: 162842, Stop: 163462, Start Num: 7
Candidate Starts for DunneganBoMo_246:
(5, 162806), (Start: 7 @162842 has 5 MA's), (17, 162917), (22, 162950), (52, 163379), (53, 163394), (55, 163454),

Gene: Ellewin_246 Start: 162663, Stop: 163283, Start Num: 7
Candidate Starts for Ellewin_246:
(5, 162627), (Start: 7 @162663 has 5 MA's), (17, 162738), (22, 162771), (42, 163011), (52, 163200), (53, 163215),

Gene: Emmetator_247 Start: 162139, Stop: 162759, Start Num: 7
Candidate Starts for Emmetator_247:
(5, 162103), (Start: 7 @162139 has 5 MA's), (17, 162214), (22, 162247), (53, 162691), (55, 162751),

Gene: FloraSnap32_225 Start: 150898, Stop: 151506, Start Num: 9
Candidate Starts for FloraSnap32_225:
(Start: 9 @150898 has 8 MA's), (10, 150922), (13, 150961), (15, 150973), (33, 151177), (36, 151198), (39, 151255), (49, 151396), (50, 151420),

Gene: FrostedClock_232 Start: 152882, Stop: 153490, Start Num: 9
Candidate Starts for FrostedClock_232:
(Start: 9 @152882 has 8 MA's), (10, 152906), (13, 152945), (15, 152957), (33, 153161), (39, 153239), (49, 153380), (50, 153404),

Gene: GoldenEssence_219 Start: 146715, Stop: 147323, Start Num: 9
Candidate Starts for GoldenEssence_219:
(Start: 9 @146715 has 8 MA's), (10, 146739), (13, 146778), (15, 146790), (33, 146994), (36, 147015), (39, 147072), (49, 147213), (50, 147237),

Gene: KSunshine22_253 Start: 162760, Stop: 163380, Start Num: 7
Candidate Starts for KSunshine22_253:
(5, 162724), (Start: 7 @162760 has 5 MA's), (17, 162835), (55, 163372),

Gene: Laure_269 Start: 150042, Stop: 150668, Start Num: 9
Candidate Starts for Laure_269:
(Start: 9 @150042 has 8 MA's), (11, 150093), (14, 150120), (24, 150171), (28, 150234), (29, 150249), (30, 150303), (31, 150309), (35, 150348), (41, 150414), (46, 150468),

Gene: Mimi_230 Start: 152113, Stop: 152721, Start Num: 9
Candidate Starts for Mimi_230:
(Start: 9 @152113 has 8 MA's), (10, 152137), (13, 152176), (15, 152188), (33, 152392), (39, 152470), (49, 152611), (50, 152635),

Gene: Panchaali_243 Start: 161441, Stop: 162082, Start Num: 6
Candidate Starts for Panchaali_243:
(Start: 6 @161441 has 1 MA's), (Start: 7 @161465 has 5 MA's), (48, 161903),

Gene: Patbob_228 Start: 152511, Stop: 153119, Start Num: 9
Candidate Starts for Patbob_228:

(Start: 9 @152511 has 8 MA's), (10, 152535), (13, 152574), (15, 152586), (33, 152790), (36, 152811), (39, 152868), (49, 153009), (50, 153033),

Gene: Phrampa_223 Start: 153414, Stop: 154013, Start Num: 9
Candidate Starts for Phrampa_223:
(Start: 9 @153414 has 8 MA's), (13, 153477), (18, 153501), (23, 153528), (35, 153702), (38, 153711), (40, 153765), (43, 153783), (51, 153936), (54, 153963),

Gene: Racecar_232 Start: 152492, Stop: 153100, Start Num: 9
Candidate Starts for Racecar_232:
(Start: 9 @152492 has 8 MA's), (10, 152516), (13, 152555), (15, 152567), (33, 152771), (39, 152849), (49, 152990), (50, 153014),

Gene: SJReid_274 Start: 159658, Stop: 160269, Start Num: 8
Candidate Starts for SJReid_274:
(2, 159604), (3, 159610), (4, 159616), (Start: 8 @159658 has 1 MA's), (16, 159736), (20, 159757), (25, 159781), (26, 159805), (27, 159811), (29, 159850), (34, 159949), (36, 159955), (37, 159958), (44, 160045), (45, 160060), (47, 160105),

Gene: Stewart25555_247 Start: 160819, Stop: 161460, Start Num: 7
Candidate Starts for Stewart25555_247:
(1, 160762), (4, 160780), (Start: 7 @160819 has 5 MA's), (12, 160894), (17, 160912), (19, 160936), (21, 160942), (29, 161032), (32, 161113), (34, 161131),

Gene: Talia1610_232 Start: 152522, Stop: 153130, Start Num: 9
Candidate Starts for Talia1610_232:
(Start: 9 @152522 has 8 MA's), (10, 152546), (13, 152585), (15, 152597), (33, 152801), (39, 152879), (49, 153020), (50, 153044),

Gene: WaddleDee_244 Start: 162375, Stop: 162995, Start Num: 7
Candidate Starts for WaddleDee_244:
(5, 162339), (Start: 7 @162375 has 5 MA's), (17, 162450), (22, 162483), (52, 162912), (53, 162927), (55, 162987),