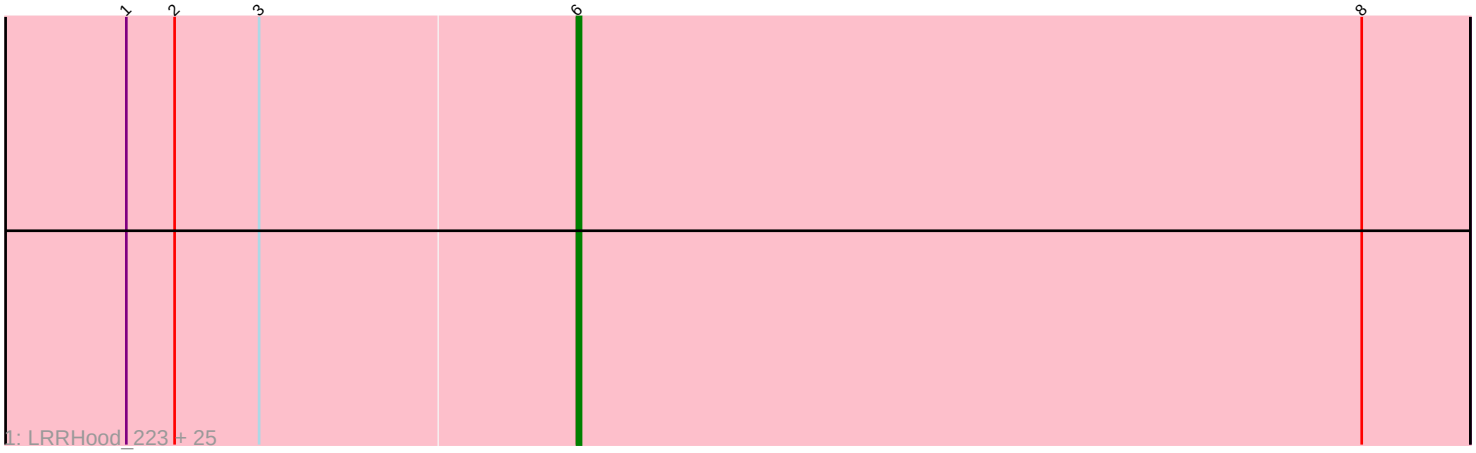
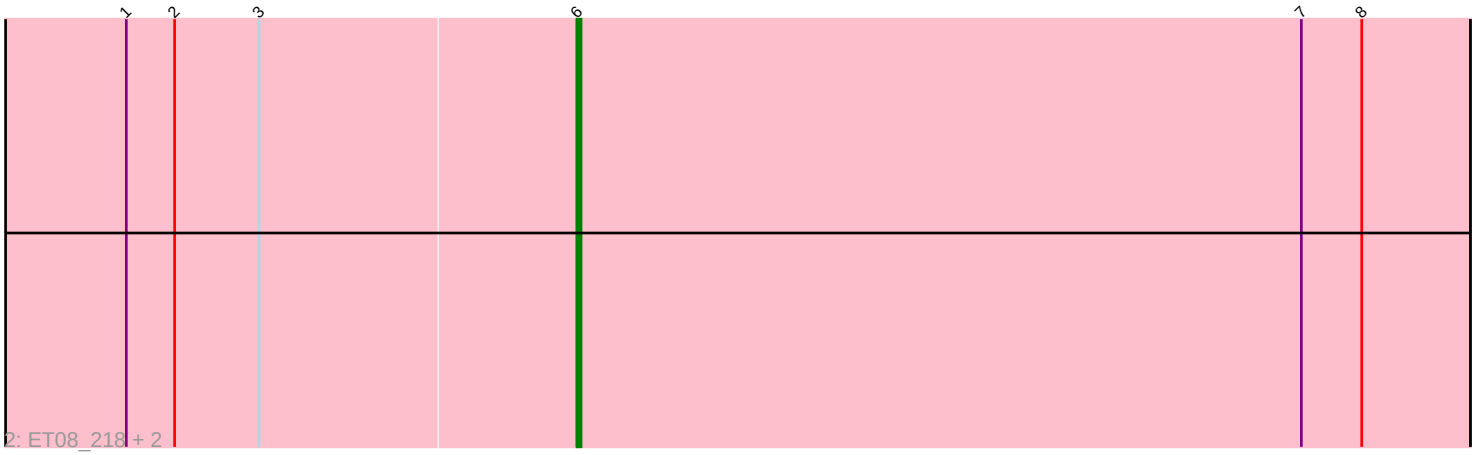
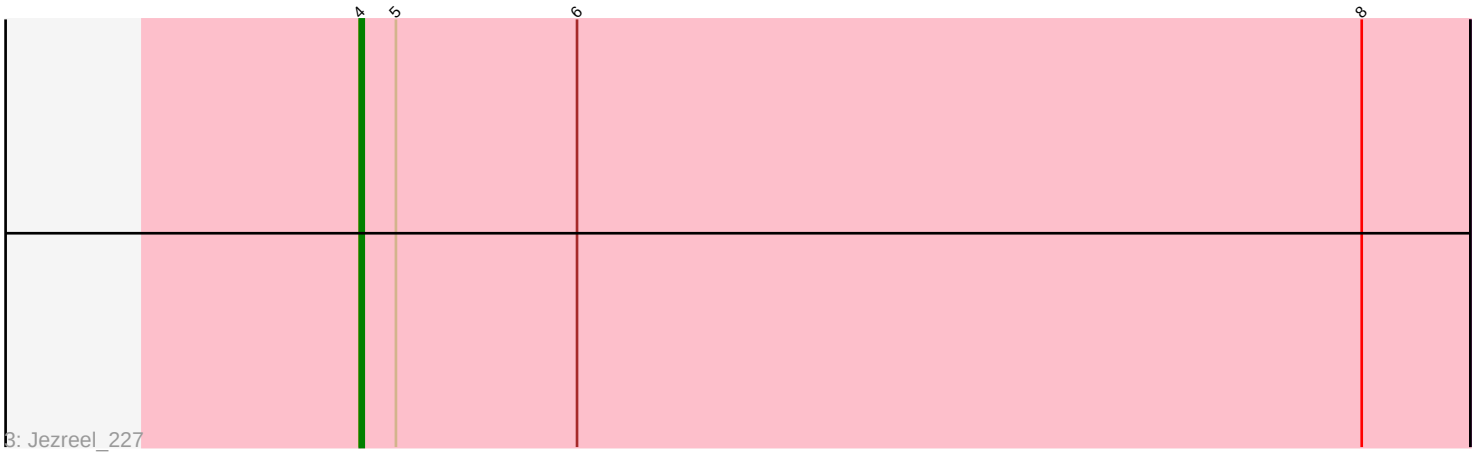
Pham 291413







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 291413 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291413 has 30 members, 6 are drafts.

Phages represented in each track:
• Track 1 : LRRHood_223, Spud_224, Grasshills_238, BigCity_239, Nappy_232, Lunareta_229, ParkTD_229, Catera_222, Dessert_228, Lethe_230, MikeLiesIn_232, Montpel_229, LifeSavor_230, Dandelion_238, Phusco_229, Bxz1_219, Ronan_226, Wally_228, MoMoMixon_228, Ghost_231, ScottMcG_224, Grungle_214, EggyFarm_239, Cali_223, Tyke_229, Littleton_233
• Track 2 : ET08_218, Alice_217, BackyardAgain_227
• Track 3 : Jezreel_227

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

The start number called the most often in the published annotations is 6, it was called in 23 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alice_217, BackyardAgain_227, BigCity_239, Bxz1_219, Cali_223, Catera_222, Dandelion_238, Dessert_228, ET08_218, EggyFarm_239, Ghost_231, Grasshills_238, Grungle_214, LRRHood_223, Lethe_230, LifeSavor_230, Littleton_233, Lunareta_229, MikeLiesIn_232, MoMoMixon_228, Montpel_229, Nappy_232, ParkTD_229, Phusco_229, Ronan_226, ScottMcG_224, Spud_224, Tyke_229, Wally_228,

Genes that have the "Most Annotated" start but do not call it:
• Jezreel_227,

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

Summary by start number:

Start 4:
• Found in 1 of 30 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jezreel_227 (C1),

Start 6:
• Found in 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 24
• Called 96.7% of time when present
• Phage (with cluster) where this start called: Alice_217 (C1), BackyardAgain_227 (C1), BigCity_239 (C1), Bxz1_219 (C1), Cali_223 (C1), Catera_222 (C1), Dandelion_238 (C1), Dessert_228 (C1), ET08_218 (C1), EggyFarm_239 (C1), Ghost_231 (C1), Grasshills_238 (C1), Grungle_214 (C1), LRRHood_223 (C1), Lethe_230 (C1), LifeSavor_230 (C1), Littleton_233 (C1), Lunareta_229 (C1), MikeLiesIn_232 (C1), MoMoMixon_228 (C1), Montpel_229 (C1), Nappy_232 (C1), ParkTD_229 (C1), Phusco_229 (C1), Ronan_226 (C1), ScottMcG_224 (C1), Spud_224 (C1), Tyke_229 (C1), Wally_228 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 4 was manually annotated 1 time for cluster C1.
•Start number 6 was manually annotated 23 times for cluster C1.

Gene Information:

Gene: Alice_217 Start: 126652, Stop: 126873, Start Num: 6
Candidate Starts for Alice_217:
(1, 126541), (2, 126553), (3, 126574), (Start: 6 @126652 has 23 MA's), (7, 126832), (8, 126847),

Gene: BackyardAgain_227 Start: 125611, Stop: 125832, Start Num: 6
Candidate Starts for BackyardAgain_227:
(1, 125500), (2, 125512), (3, 125533), (Start: 6 @125611 has 23 MA's), (7, 125791), (8, 125806),

Gene: BigCity_239 Start: 130065, Stop: 130286, Start Num: 6
Candidate Starts for BigCity_239:
(1, 129954), (2, 129966), (3, 129987), (Start: 6 @130065 has 23 MA's), (8, 130260),

Gene: Bxz1_219 Start: 129539, Stop: 129760, Start Num: 6
Candidate Starts for Bxz1_219:
(1, 129428), (2, 129440), (3, 129461), (Start: 6 @129539 has 23 MA's), (8, 129734),

Gene: Cali_223 Start: 127931, Stop: 128152, Start Num: 6
Candidate Starts for Cali_223:
(1, 127820), (2, 127832), (3, 127853), (Start: 6 @127931 has 23 MA's), (8, 128126),

Gene: Catera_222 Start: 126673, Stop: 126894, Start Num: 6
Candidate Starts for Catera_222:
(1, 126562), (2, 126574), (3, 126595), (Start: 6 @126673 has 23 MA's), (8, 126868),

Gene: Dandelion_238 Start: 131091, Stop: 131312, Start Num: 6
Candidate Starts for Dandelion_238:
(1, 130980), (2, 130992), (3, 131013), (Start: 6 @131091 has 23 MA's), (8, 131286),

Gene: Dessert_228 Start: 127838, Stop: 128059, Start Num: 6
Candidate Starts for Dessert_228:
(1, 127727), (2, 127739), (3, 127760), (Start: 6 @127838 has 23 MA's), (8, 128033),

Gene: ET08_218 Start: 127757, Stop: 127978, Start Num: 6
Candidate Starts for ET08_218:
(1, 127646), (2, 127658), (3, 127679), (Start: 6 @127757 has 23 MA's), (7, 127937), (8, 127952),

Gene: EggyFarm_239 Start: 130066, Stop: 130287, Start Num: 6
Candidate Starts for EggyFarm_239:
(1, 129955), (2, 129967), (3, 129988), (Start: 6 @130066 has 23 MA's), (8, 130261),

Gene: Ghost_231 Start: 128074, Stop: 128295, Start Num: 6
Candidate Starts for Ghost_231:
(1, 127963), (2, 127975), (3, 127996), (Start: 6 @128074 has 23 MA's), (8, 128269),

Gene: Grasshills_238 Start: 130065, Stop: 130286, Start Num: 6
Candidate Starts for Grasshills_238:
(1, 129954), (2, 129966), (3, 129987), (Start: 6 @130065 has 23 MA's), (8, 130260),

Gene: Grungle_214 Start: 125396, Stop: 125617, Start Num: 6
Candidate Starts for Grungle_214:
(1, 125285), (2, 125297), (3, 125318), (Start: 6 @125396 has 23 MA's), (8, 125591),

Gene: Jezreel_227 Start: 128246, Stop: 128521, Start Num: 4
Candidate Starts for Jezreel_227:
(Start: 4 @128246 has 1 MA's), (5, 128255), (Start: 6 @128300 has 23 MA's), (8, 128495),

Gene: LRRHood_223 Start: 126907, Stop: 127128, Start Num: 6
Candidate Starts for LRRHood_223:
(1, 126796), (2, 126808), (3, 126829), (Start: 6 @126907 has 23 MA's), (8, 127102),

Gene: Lethe_230 Start: 129351, Stop: 129572, Start Num: 6
Candidate Starts for Lethe_230:
(1, 129240), (2, 129252), (3, 129273), (Start: 6 @129351 has 23 MA's), (8, 129546),

Gene: LifeSavor_230 Start: 128688, Stop: 128909, Start Num: 6
Candidate Starts for LifeSavor_230:
(1, 128577), (2, 128589), (3, 128610), (Start: 6 @128688 has 23 MA's), (8, 128883),

Gene: Littleton_233 Start: 128697, Stop: 128918, Start Num: 6
Candidate Starts for Littleton_233:
(1, 128586), (2, 128598), (3, 128619), (Start: 6 @128697 has 23 MA's), (8, 128892),

Gene: Lunareta_229 Start: 129259, Stop: 129480, Start Num: 6
Candidate Starts for Lunareta_229:
(1, 129148), (2, 129160), (3, 129181), (Start: 6 @129259 has 23 MA's), (8, 129454),

Gene: MikeLiesIn_232 Start: 129370, Stop: 129591, Start Num: 6
Candidate Starts for MikeLiesIn_232:
(1, 129259), (2, 129271), (3, 129292), (Start: 6 @129370 has 23 MA's), (8, 129565),

Gene: MoMoMixon_228 Start: 128375, Stop: 128596, Start Num: 6
Candidate Starts for MoMoMixon_228:
(1, 128264), (2, 128276), (3, 128297), (Start: 6 @128375 has 23 MA's), (8, 128570),

Gene: Montpel_229 Start: 129257, Stop: 129478, Start Num: 6
Candidate Starts for Montpel_229:
(1, 129146), (2, 129158), (3, 129179), (Start: 6 @129257 has 23 MA's), (8, 129452),

Gene: Nappy_232 Start: 129665, Stop: 129886, Start Num: 6
Candidate Starts for Nappy_232:
(1, 129554), (2, 129566), (3, 129587), (Start: 6 @129665 has 23 MA's), (8, 129860),

Gene: ParkTD_229 Start: 128460, Stop: 128681, Start Num: 6
Candidate Starts for ParkTD_229:
(1, 128349), (2, 128361), (3, 128382), (Start: 6 @128460 has 23 MA's), (8, 128655),

Gene: Phusco_229 Start: 127698, Stop: 127919, Start Num: 6
Candidate Starts for Phusco_229:
(1, 127587), (2, 127599), (3, 127620), (Start: 6 @127698 has 23 MA's), (8, 127893),

Gene: Ronan_226 Start: 126586, Stop: 126807, Start Num: 6
Candidate Starts for Ronan_226:
(1, 126475), (2, 126487), (3, 126508), (Start: 6 @126586 has 23 MA's), (8, 126781),

Gene: ScottMcG_224 Start: 127194, Stop: 127415, Start Num: 6
Candidate Starts for ScottMcG_224:
(1, 127083), (2, 127095), (3, 127116), (Start: 6 @127194 has 23 MA's), (8, 127389),

Gene: Spud_224 Start: 127534, Stop: 127755, Start Num: 6
Candidate Starts for Spud_224:
(1, 127423), (2, 127435), (3, 127456), (Start: 6 @127534 has 23 MA's), (8, 127729),

Gene: Tyke_229 Start: 130189, Stop: 130410, Start Num: 6
Candidate Starts for Tyke_229:
(1, 130078), (2, 130090), (3, 130111), (Start: 6 @130189 has 23 MA's), (8, 130384),

Gene: Wally_228 Start: 127444, Stop: 127665, Start Num: 6
Candidate Starts for Wally_228:
(1, 127333), (2, 127345), (3, 127366), (Start: 6 @127444 has 23 MA's), (8, 127639),