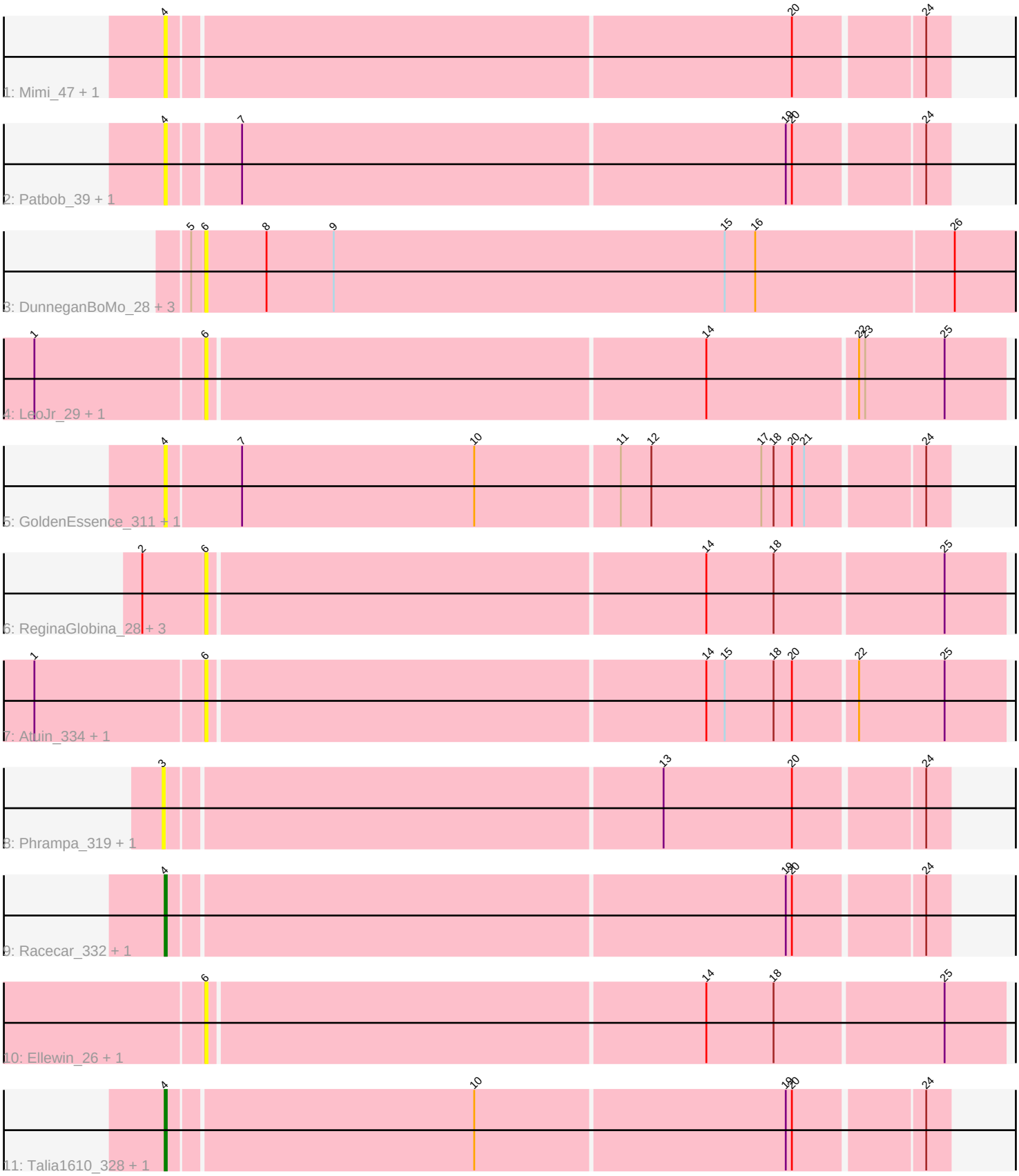
Pham 200396


4
20
24
1: Mimi_47 + 1
4
7
19
20
24
2: Patbob_39 + 1
5
6
8
9
15
16
26
3: DunneganBoMo_28 + 3
1
6
14
22
23
25
4: LeoJr_29 + 1
4
7
10
11
12
17
18
20
21
24
5: GoldenEssence_311 + 1
2
6
14
18
25
6: ReginaGlobina_28 + 3
1
6
14
15
18
20
22
25
7: Atuin_334 + 1
3
13
20
24
8: Phrampa_319 + 1
4
19
20
24
9: Racecar_332 + 1
6
14
18
25
10: Ellewin_26 + 1
4
10
19
20
24
11: Talia1610_328 + 1

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 200396 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200396 has 26 members, 22 are drafts.

Phages represented in each track:
• Track 1 : Mimi_47, Mimi_337
• Track 2 : Patbob_39, Patbob_329
• Track 3 : DunneganBoMo_28, WaddleDee_328, DunneganBoMo_331, WaddleDee_26
• Track 4 : LeoJr_29, LeoJr_342
• Track 5 : GoldenEssence_311, GoldenEssence_29
• Track 6 : ReginaGlobina_28, KSunshine22_28, ReginaGlobina_339, KSunshine22_320
• Track 7 : Atuin_334, Atuin_27
• Track 8 : Phrampa_319, Phrampa_34
• Track 9 : Racecar_332, Racecar_43
• Track 10 : Ellewin_26, Ellewin_325
• Track 11 : Talia1610_328, Talia1610_42

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GoldenEssence_29, GoldenEssence_311, Mimi_337, Mimi_47, Patbob_329, Patbob_39, Racecar_332, Racecar_43, Talia1610_328, Talia1610_42,

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

Genes that do not have the "Most Annotated" start:
• Atuin_27, Atuin_334, DunneganBoMo_28, DunneganBoMo_331, Ellewin_26, Ellewin_325, KSunshine22_28, KSunshine22_320, LeoJr_29, LeoJr_342, Phrampa_319, Phrampa_34, ReginaGlobina_28, ReginaGlobina_339, WaddleDee_26, WaddleDee_328,

Summary by start number:

Start 3:
• Found in 2 of 26 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrampa_319 (FC), Phrampa_34 (FC),

Start 4:
• Found in 10 of 26 (38.5%) 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: GoldenEssence_29 (FC), GoldenEssence_311 (FC), Mimi_337 (FC), Mimi_47 (FC), Patbob_329 (FC), Patbob_39 (FC), Racecar_332 (FC), Racecar_43 (FC), Talia1610_328 (FC), Talia1610_42 (FC),

Start 6:
• Found in 14 of 26 (53.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_27 (FC), Atuin_334 (FC), DunneganBoMo_28 (FC), DunneganBoMo_331 (FC), Ellewin_26 (FC), Ellewin_325 (FC), KSunshine22_28 (FC), KSunshine22_320 (FC), LeoJr_29 (FC), LeoJr_342 (FC), ReginaGlobina_28 (FC), ReginaGlobina_339 (FC), WaddleDee_26 (FC), WaddleDee_328 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Atuin_334 Start: 189103, Stop: 189486, Start Num: 6
Candidate Starts for Atuin_334:
(1, 189022), (6, 189103), (14, 189343), (15, 189352), (18, 189376), (20, 189385), (22, 189415), (25, 189457),

Gene: Atuin_27 Start: 12215, Stop: 12598, Start Num: 6
Candidate Starts for Atuin_27:
(1, 12134), (6, 12215), (14, 12455), (15, 12464), (18, 12488), (20, 12497), (22, 12527), (25, 12569),

Gene: DunneganBoMo_28 Start: 11393, Stop: 11803, Start Num: 6
Candidate Starts for DunneganBoMo_28:
(5, 11387), (6, 11393), (8, 11423), (9, 11456), (15, 11648), (16, 11663), (26, 11759),

Gene: DunneganBoMo_331 Start: 190805, Stop: 191215, Start Num: 6
Candidate Starts for DunneganBoMo_331:
(5, 190799), (6, 190805), (8, 190835), (9, 190868), (15, 191060), (16, 191075), (26, 191171),

Gene: Ellewin_26 Start: 11395, Stop: 11778, Start Num: 6
Candidate Starts for Ellewin_26:
(6, 11395), (14, 11635), (18, 11668), (25, 11749),

Gene: Ellewin_325 Start: 190509, Stop: 190892, Start Num: 6
Candidate Starts for Ellewin_325:
(6, 190509), (14, 190749), (18, 190782), (25, 190863),

Gene: GoldenEssence_311 Start: 182536, Stop: 182162, Start Num: 4
Candidate Starts for GoldenEssence_311:
(Start: 4 @182536 has 4 MA's), (7, 182500), (10, 182386), (11, 182317), (12, 182302), (17, 182248), (18, 182242), (20, 182233), (21, 182227), (24, 182173),

Gene: GoldenEssence_29 Start: 11983, Stop: 11609, Start Num: 4
Candidate Starts for GoldenEssence_29:
(Start: 4 @11983 has 4 MA's), (7, 11947), (10, 11833), (11, 11764), (12, 11749), (17, 11695), (18, 11689), (20, 11680), (21, 11674), (24, 11620),

Gene: KSunshine22_28 Start: 11984, Stop: 12367, Start Num: 6
Candidate Starts for KSunshine22_28:
(2, 11954), (6, 11984), (14, 12224), (18, 12257), (25, 12338),

Gene: KSunshine22_320 Start: 188885, Stop: 189268, Start Num: 6
Candidate Starts for KSunshine22_320:
(2, 188855), (6, 188885), (14, 189125), (18, 189158), (25, 189239),

Gene: LeoJr_29 Start: 12519, Stop: 12902, Start Num: 6
Candidate Starts for LeoJr_29:
(1, 12438), (6, 12519), (14, 12759), (22, 12831), (23, 12834), (25, 12873),

Gene: LeoJr_342 Start: 189822, Stop: 190205, Start Num: 6
Candidate Starts for LeoJr_342:
(1, 189741), (6, 189822), (14, 190062), (22, 190134), (23, 190137), (25, 190176),

Gene: Mimi_47 Start: 18233, Stop: 17862, Start Num: 4
Candidate Starts for Mimi_47:
(Start: 4 @18233 has 4 MA's), (20, 17933), (24, 17873),

Gene: Mimi_337 Start: 190893, Stop: 190522, Start Num: 4
Candidate Starts for Mimi_337:
(Start: 4 @190893 has 4 MA's), (20, 190593), (24, 190533),

Gene: Patbob_39 Start: 17797, Stop: 17426, Start Num: 4
Candidate Starts for Patbob_39:
(Start: 4 @17797 has 4 MA's), (7, 17764), (19, 17500), (20, 17497), (24, 17437),

Gene: Patbob_329 Start: 193256, Stop: 192885, Start Num: 4
Candidate Starts for Patbob_329:
(Start: 4 @193256 has 4 MA's), (7, 193223), (19, 192959), (20, 192956), (24, 192896),

Gene: Phrampa_319 Start: 191426, Stop: 191055, Start Num: 3
Candidate Starts for Phrampa_319:
(3, 191426), (13, 191189), (20, 191126), (24, 191066),

Gene: Phrampa_34 Start: 15055, Stop: 14684, Start Num: 3
Candidate Starts for Phrampa_34:
(3, 15055), (13, 14818), (20, 14755), (24, 14695),

Gene: Racecar_332 Start: 192542, Stop: 192171, Start Num: 4
Candidate Starts for Racecar_332:
(Start: 4 @192542 has 4 MA's), (19, 192245), (20, 192242), (24, 192182),

Gene: Racecar_43 Start: 18833, Stop: 18462, Start Num: 4
Candidate Starts for Racecar_43:
(Start: 4 @18833 has 4 MA's), (19, 18536), (20, 18533), (24, 18473),

Gene: ReginaGlobina_28 Start: 12713, Stop: 13096, Start Num: 6
Candidate Starts for ReginaGlobina_28:
(2, 12683), (6, 12713), (14, 12953), (18, 12986), (25, 13067),

Gene: ReginaGlobina_339 Start: 190160, Stop: 190543, Start Num: 6
Candidate Starts for ReginaGlobina_339:
(2, 190130), (6, 190160), (14, 190400), (18, 190433), (25, 190514),

Gene: Talia1610_328 Start: 192723, Stop: 192352, Start Num: 4
Candidate Starts for Talia1610_328:
(Start: 4 @192723 has 4 MA's), (10, 192576), (19, 192426), (20, 192423), (24, 192363),

Gene: Talia1610_42 Start: 18251, Stop: 17880, Start Num: 4
Candidate Starts for Talia1610_42:
(Start: 4 @18251 has 4 MA's), (10, 18104), (19, 17954), (20, 17951), (24, 17891),

Gene: WaddleDee_328 Start: 189334, Stop: 189744, Start Num: 6
Candidate Starts for WaddleDee_328:
(5, 189328), (6, 189334), (8, 189364), (9, 189397), (15, 189589), (16, 189604), (26, 189700),

Gene: WaddleDee_26 Start: 11139, Stop: 11549, Start Num: 6
Candidate Starts for WaddleDee_26:
(5, 11133), (6, 11139), (8, 11169), (9, 11202), (15, 11394), (16, 11409), (26, 11505),