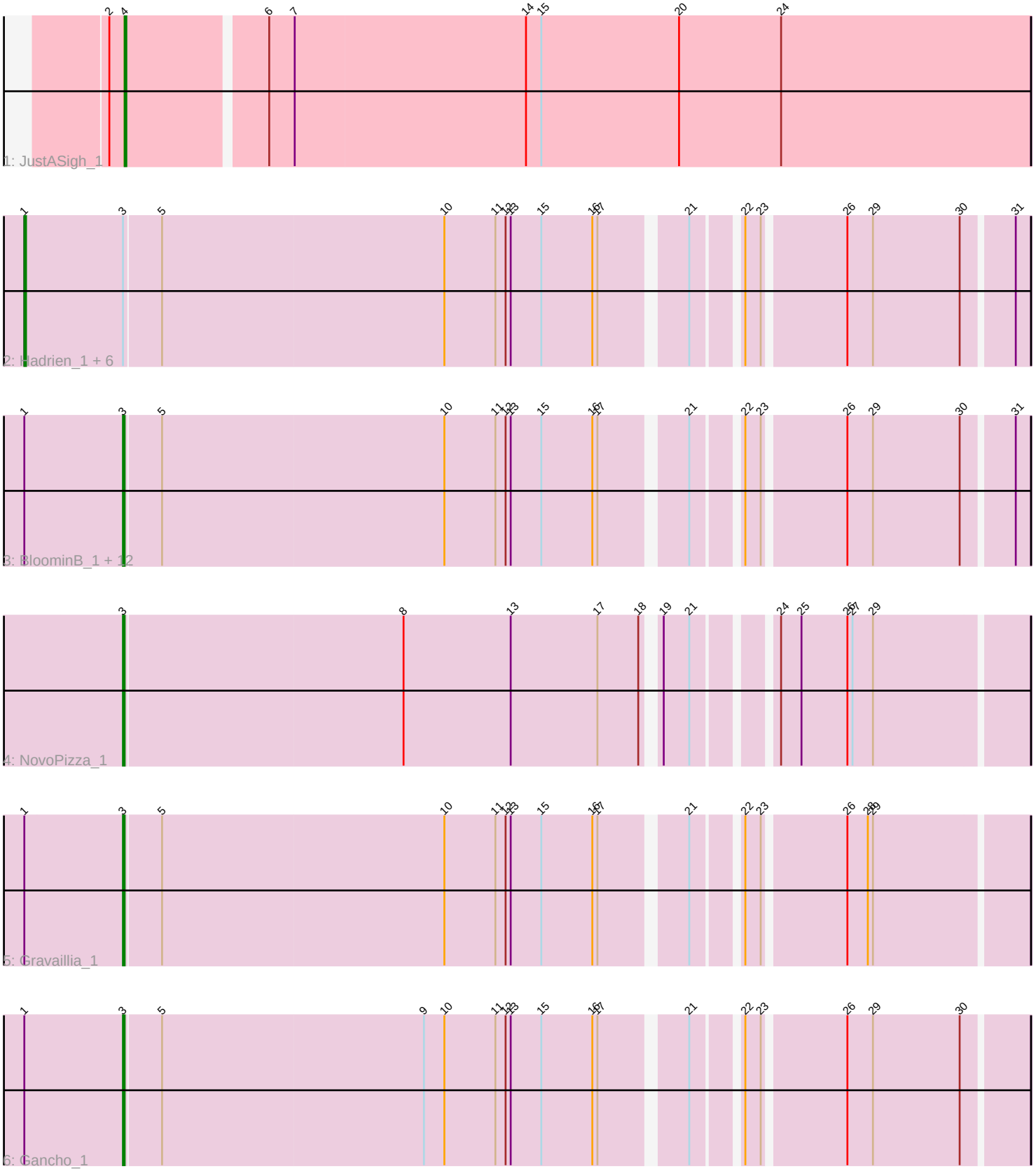
Pham 344339


1: JustASigh_1
2: Hadrien_1 + 6
3: BloominB_1 + 12
4: NovoPizza_1
5: Gravaillia_1
6: Gancho_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 344339 Report

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

Pham number 344339 has 24 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_1
• Track 2 : Hadrien_1, Luna22_1, Wishmaker_1, Hail_1, Ubuntu_1, Giles_1, Luke_1
• Track 3 : BloominB_1, Forge_1, HH92_1, OBUpride_1, DeepSoil15_1, Amymech_1, Evanesce_1, LilHazelnut_1, Webster2_1, Kinbote_1, Ein37_1, Dewey_1, Amochick_1
• Track 4 : NovoPizza_1
• Track 5 : Gravaillia_1
• Track 6 : Gancho_1

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

The start number called the most often in the published annotations is 3, it was called in 16 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_1, Amymech_1, BloominB_1, DeepSoil15_1, Dewey_1, Ein37_1, Evanesce_1, Forge_1, Gancho_1, Gravaillia_1, HH92_1, Kinbote_1, LilHazelnut_1, NovoPizza_1, OBUpride_1, Webster2_1,

Genes that have the "Most Annotated" start but do not call it:
• Giles_1, Hadrien_1, Hail_1, Luke_1, Luna22_1, Ubuntu_1, Wishmaker_1,

Genes that do not have the "Most Annotated" start:
• JustASigh_1,

Summary by start number:

Start 1:
• Found in 22 of 24 (91.7%) of genes in pham
• Manual Annotations of this start: 7 of 24
• Called 31.8% of time when present
• Phage (with cluster) where this start called: Giles_1 (Q), Hadrien_1 (Q), Hail_1 (Q), Luke_1 (Q), Luna22_1 (Q), Ubuntu_1 (Q), Wishmaker_1 (Q),

Start 3:
• Found in 23 of 24 (95.8%) of genes in pham
• Manual Annotations of this start: 16 of 24
• Called 69.6% of time when present
• Phage (with cluster) where this start called: Amochick_1 (Q), Amymech_1 (Q), BloominB_1 (Q), DeepSoil15_1 (Q), Dewey_1 (Q), Ein37_1 (Q), Evanesce_1 (Q), Forge_1 (Q), Gancho_1 (Q), Gravaillia_1 (Q), HH92_1 (Q), Kinbote_1 (Q), LilHazelnut_1 (Q), NovoPizza_1 (Q), OBUpride_1 (Q), Webster2_1 (Q),

Start 4:
• Found in 1 of 24 (4.2%) 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: JustASigh_1 (AH),

Summary by clusters:

There are 2 clusters represented in this pham: Q, AH,

Info for manual annotations of cluster AH:
•Start number 4 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster Q:
•Start number 1 was manually annotated 7 times for cluster Q.
•Start number 3 was manually annotated 16 times for cluster Q.

Gene Information:

Gene: Amochick_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Amochick_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Amymech_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Amymech_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: BloominB_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for BloominB_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: DeepSoil15_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for DeepSoil15_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Dewey_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Dewey_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Ein37_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Ein37_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Evanesce_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Evanesce_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Forge_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Forge_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Gancho_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Gancho_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (9, 245), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536),

Gene: Giles_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Giles_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Gravaillia_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Gravaillia_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (28, 482), (29, 485),

Gene: HH92_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for HH92_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Hadrien_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Hadrien_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Hail_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Hail_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: JustASigh_1 Start: 54, Stop: 578, Start Num: 4
Candidate Starts for JustASigh_1:
(2, 45), (Start: 4 @54 has 1 MA's), (6, 132), (7, 147), (14, 282), (15, 291), (20, 372), (24, 432),

Gene: Kinbote_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Kinbote_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: LilHazelnut_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for LilHazelnut_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Luke_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Luke_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Luna22_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Luna22_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: NovoPizza_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for NovoPizza_1:
(Start: 3 @71 has 16 MA's), (8, 233), (13, 296), (17, 347), (18, 371), (19, 377), (21, 392), (24, 431), (25, 443), (26, 470), (27, 473), (29, 485),

Gene: OBUpride_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for OBUpride_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Ubuntu_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Ubuntu_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Webster2_1 Start: 71, Stop: 571, Start Num: 3
Candidate Starts for Webster2_1:

(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),

Gene: Wishmaker_1 Start: 14, Stop: 571, Start Num: 1
Candidate Starts for Wishmaker_1:
(Start: 1 @14 has 7 MA's), (Start: 3 @71 has 16 MA's), (5, 92), (10, 257), (11, 287), (12, 293), (13, 296), (15, 314), (16, 344), (17, 347), (21, 392), (22, 416), (23, 425), (26, 470), (29, 485), (30, 536), (31, 563),