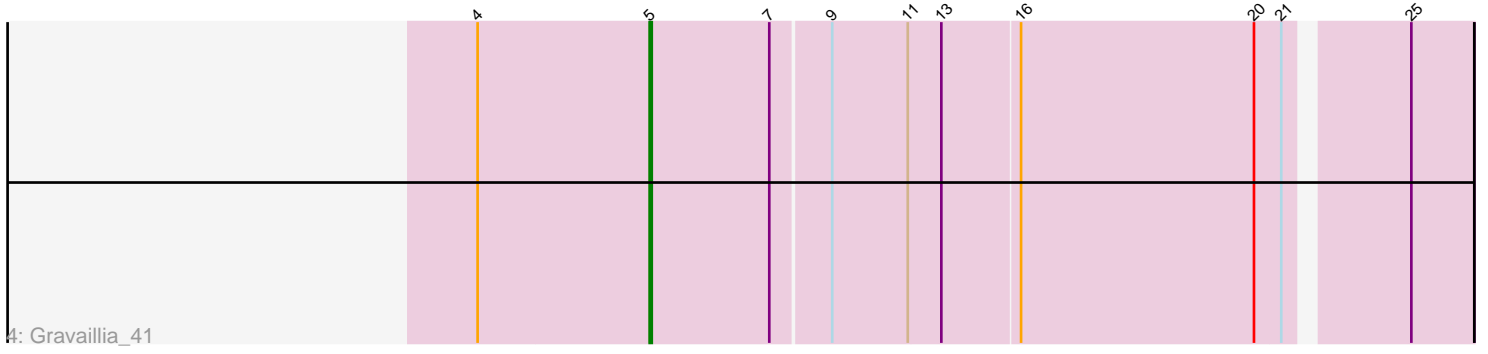
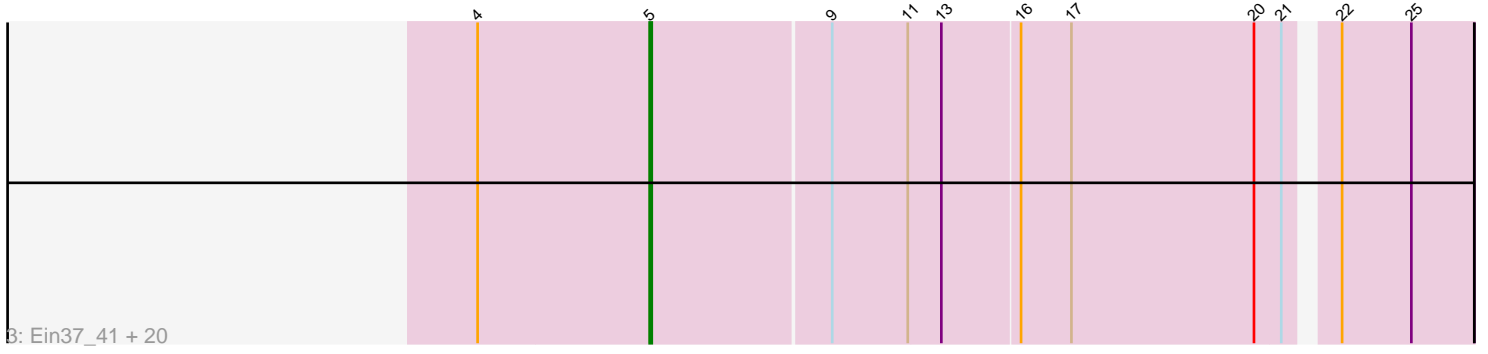
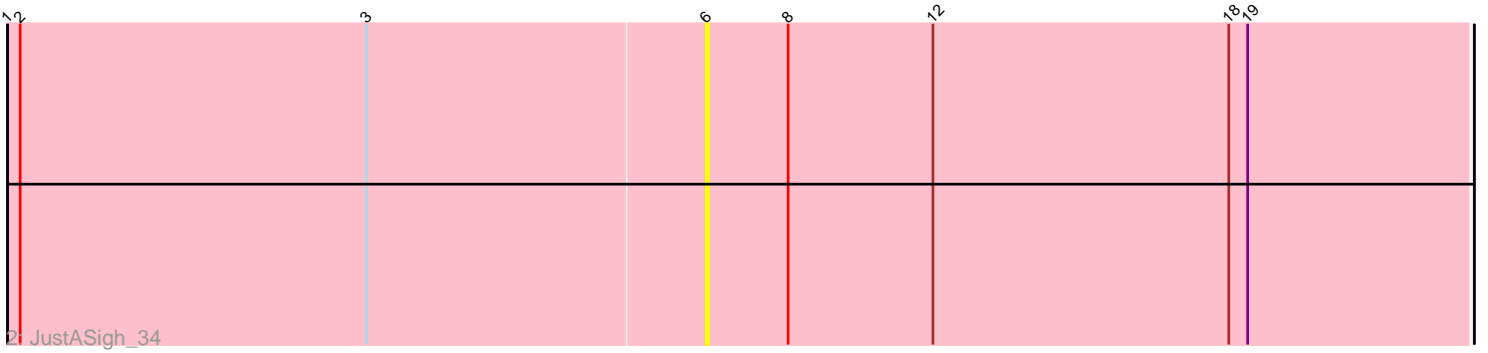
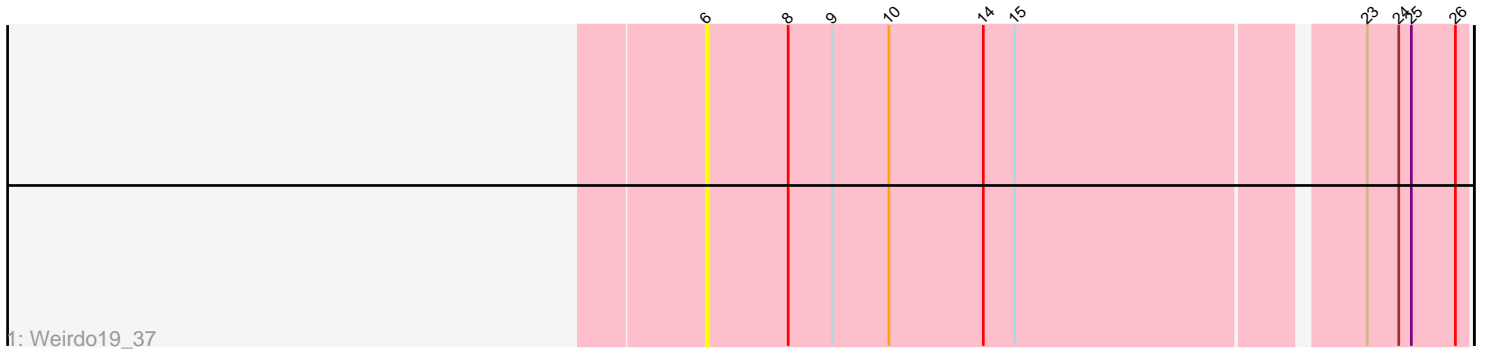


Pham 154973



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 154973 Report

This analysis was run 04/12/24 on database version 558.

Pham number 154973 has 24 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_37
- Track 2 : JustASigh_34
- Track 3 : Ein37_41, OBUpride_41, Amymech_41, Forge_40, HH92_40, Dewey_40, Amochick_41, DeepSoil15_41, Luke_41, Daegal_43, Kinbote_41, Luna22_40, Ubuntu_41, Hail_40, LilHazelnut_41, Hadrien_41, Wishmaker_40, Evanesce_40, Gancho_40, Giles_40, Webster2_41
- Track 4 : Gravaillia_41

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

The start number called the most often in the published annotations is 5, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_41, Amymech_41, Daegal_43, DeepSoil15_41, Dewey_40, Ein37_41, Evanesce_40, Forge_40, Gancho_40, Giles_40, Gravaillia_41, HH92_40, Hadrien_41, Hail_40, Kinbote_41, LilHazelnut_41, Luke_41, Luna22_40, OBUpride_41, Ubuntu_41, Webster2_41, Wishmaker_40,

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

-

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

- JustASigh_34, Weirdo19_37,

Summary by start number:

Start 5:

- Found in 22 of 24 (91.7%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_41 (Q), Amymech_41 (Q), Daegal_43 (Q), DeepSoil15_41 (Q), Dewey_40 (Q), Ein37_41 (Q), Evanesce_40 (Q), Forge_40 (Q), Gancho_40 (Q), Giles_40 (Q), Gravaillia_41 (Q), HH92_40 (Q),

Hadrien_41 (Q), Hail_40 (Q), Kinbote_41 (Q), LilHazelNut_41 (Q), Luke_41 (Q), Luna22_40 (Q), OBUpride_41 (Q), Ubuntu_41 (Q), Webster2_41 (Q), Wishmaker_40 (Q),

Start 6:

- Found in 2 of 24 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_34 (AH), Weirido19_37 (AH),

Summary by clusters:

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

Info for manual annotations of cluster Q:

- Start number 5 was manually annotated 21 times for cluster Q.

Gene Information:

Gene: Amochick_41 Start: 32713, Stop: 32339, Start Num: 5

Candidate Starts for Amochick_41:

(4, 32794), (Start: 5 @32713 has 21 MA's), (9, 32629), (11, 32593), (13, 32578), (16, 32542), (17, 32518), (20, 32431), (21, 32419), (22, 32401), (25, 32368),

Gene: Amymech_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Amymech_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Daegal_43 Start: 33288, Stop: 32914, Start Num: 5

Candidate Starts for Daegal_43:

(4, 33369), (Start: 5 @33288 has 21 MA's), (9, 33204), (11, 33168), (13, 33153), (16, 33117), (17, 33093), (20, 33006), (21, 32994), (22, 32976), (25, 32943),

Gene: DeepSoil15_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for DeepSoil15_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Dewey_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Dewey_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Ein37_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Ein37_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Evanesce_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Evanesce_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Forge_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Forge_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Gancho_40 Start: 32430, Stop: 32056, Start Num: 5

Candidate Starts for Gancho_40:

(4, 32511), (Start: 5 @32430 has 21 MA's), (9, 32346), (11, 32310), (13, 32295), (16, 32259), (17, 32235), (20, 32148), (21, 32136), (22, 32118), (25, 32085),

Gene: Giles_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Giles_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Gravaillia_41 Start: 32750, Stop: 32376, Start Num: 5

Candidate Starts for Gravaillia_41:

(4, 32831), (Start: 5 @32750 has 21 MA's), (7, 32693), (9, 32666), (11, 32630), (13, 32615), (16, 32579), (20, 32468), (21, 32456), (25, 32405),

Gene: HH92_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for HH92_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Hadrien_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Hadrien_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Hail_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Hail_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: JustASigh_34 Start: 29929, Stop: 29567, Start Num: 6

Candidate Starts for JustASigh_34:

(1, 30259), (2, 30253), (3, 30088), (6, 29929), (8, 29890), (12, 29821), (18, 29680), (19, 29671),

Gene: Kinbote_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Kinbote_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: LilHazelnut_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for LilHazelnut_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Luke_41 Start: 32662, Stop: 32288, Start Num: 5

Candidate Starts for Luke_41:

(4, 32743), (Start: 5 @32662 has 21 MA's), (9, 32578), (11, 32542), (13, 32527), (16, 32491), (17, 32467), (20, 32380), (21, 32368), (22, 32350), (25, 32317),

Gene: Luna22_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Luna22_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: OBUpride_41 Start: 32701, Stop: 32327, Start Num: 5

Candidate Starts for OBUpride_41:

(4, 32782), (Start: 5 @32701 has 21 MA's), (9, 32617), (11, 32581), (13, 32566), (16, 32530), (17, 32506), (20, 32419), (21, 32407), (22, 32389), (25, 32356),

Gene: Ubuntu_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Ubuntu_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Webster2_41 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Webster2_41:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),

Gene: Weirido19_37 Start: 30582, Stop: 30232, Start Num: 6

Candidate Starts for Weirido19_37:

(6, 30582), (8, 30543), (9, 30522), (10, 30495), (14, 30450), (15, 30435), (23, 30279), (24, 30264), (25, 30258), (26, 30237),

Gene: Wishmaker_40 Start: 32707, Stop: 32333, Start Num: 5

Candidate Starts for Wishmaker_40:

(4, 32788), (Start: 5 @32707 has 21 MA's), (9, 32623), (11, 32587), (13, 32572), (16, 32536), (17, 32512), (20, 32425), (21, 32413), (22, 32395), (25, 32362),