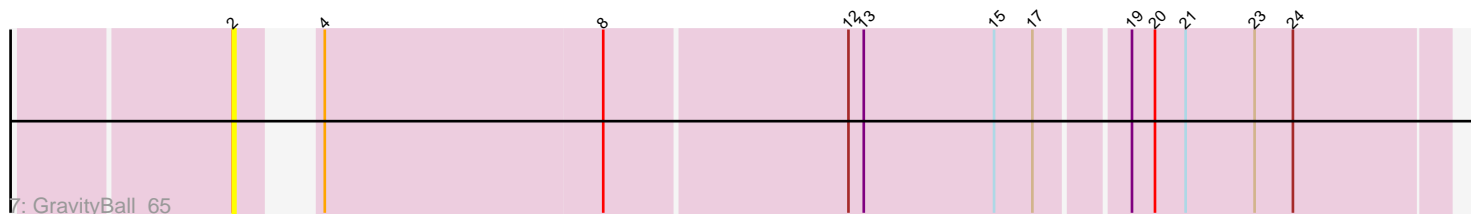
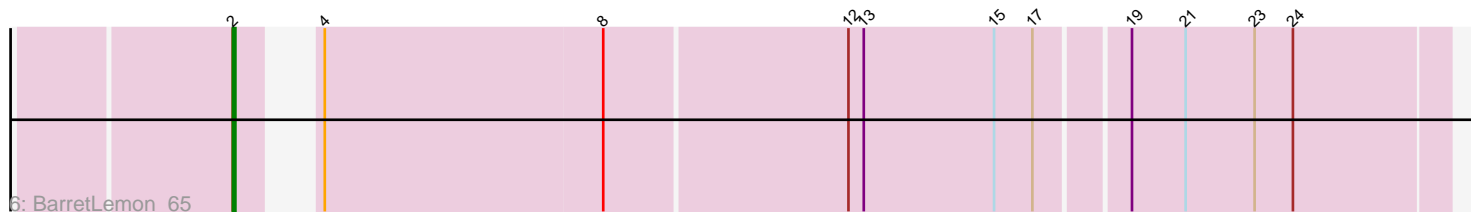
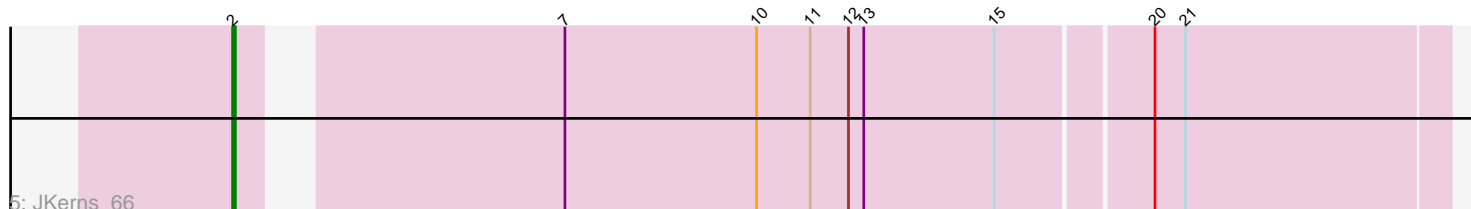
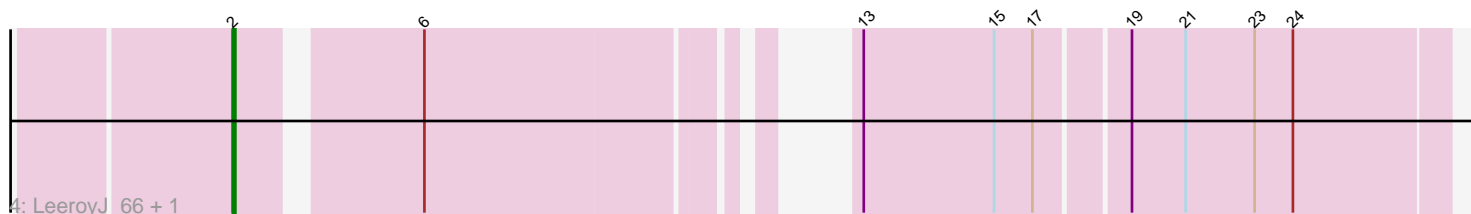
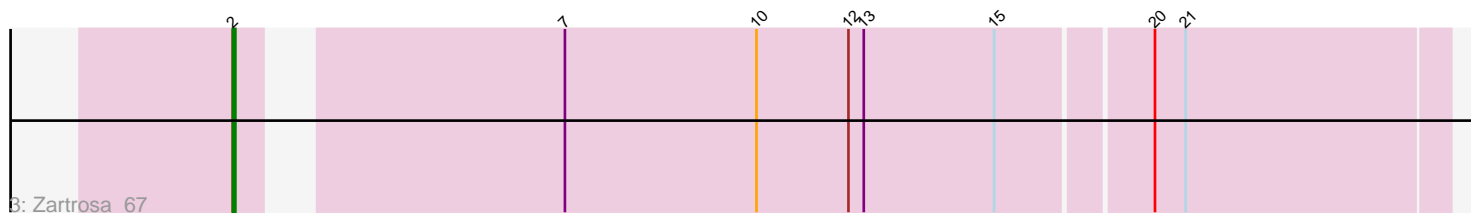
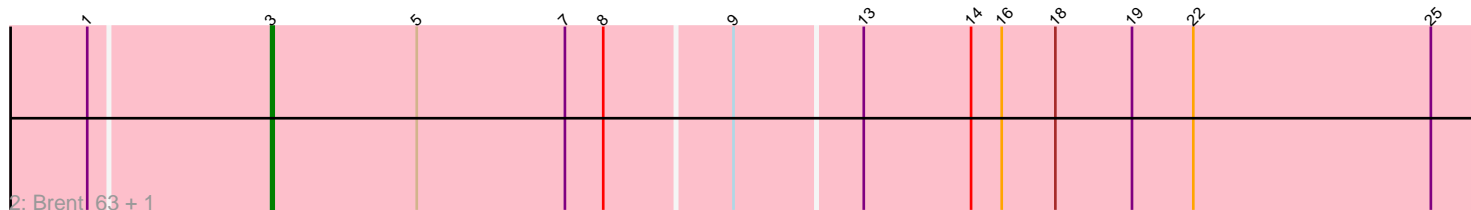
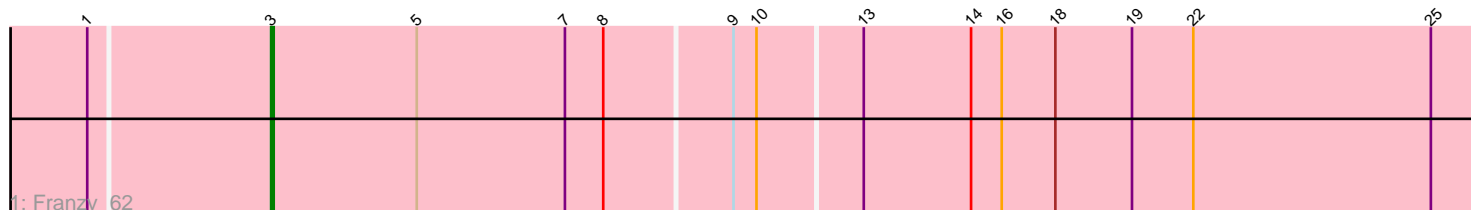


Pham 106853



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 106853 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106853 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Franzy_62
- Track 2 : Brent_63, Jawnski_62
- Track 3 : Zartrosa_67
- Track 4 : LeeroyJ_66, Timinator_66
- Track 5 : JKerns_66
- Track 6 : BarretLemon_65
- Track 7 : GravityBall_65

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_65, GravityBall_65, JKerns_66, LeeroyJ_66, Timinator_66, Zartrosa_67,

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

-

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

- Brent_63, Franzy_62, Jawnski_62,

Summary by start number:

Start 2:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon_65 (AO2), GravityBall_65 (AO2), JKerns_66 (AO2), LeeroyJ_66 (AO2), Timinator_66 (AO2), Zartrosa_67 (AO2),

Start 3:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brent_63 (AO1), Franzy_62 (AO1), Jawnski_62 (AO1),

Summary by clusters:

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:

- Start number 3 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 2 was manually annotated 5 times for cluster AO2.

Gene Information:

Gene: BarretLemon_65 Start: 43022, Stop: 43465, Start Num: 2

Candidate Starts for BarretLemon_65:

(Start: 2 @43022 has 5 MA's), (4, 43037), (8, 43145), (12, 43238), (13, 43244), (15, 43295), (17, 43310), (19, 43343), (21, 43364), (23, 43391), (24, 43406),

Gene: Brent_63 Start: 43188, Stop: 43652, Start Num: 3

Candidate Starts for Brent_63:

(1, 43119), (Start: 3 @43188 has 3 MA's), (5, 43245), (7, 43302), (8, 43317), (9, 43365), (13, 43413), (14, 43455), (16, 43467), (18, 43488), (19, 43518), (22, 43542), (25, 43635),

Gene: Franzy_62 Start: 43204, Stop: 43668, Start Num: 3

Candidate Starts for Franzy_62:

(1, 43135), (Start: 3 @43204 has 3 MA's), (5, 43261), (7, 43318), (8, 43333), (9, 43381), (10, 43390), (13, 43429), (14, 43471), (16, 43483), (18, 43504), (19, 43534), (22, 43558), (25, 43651),

Gene: GravityBall_65 Start: 43322, Stop: 43765, Start Num: 2

Candidate Starts for GravityBall_65:

(Start: 2 @43322 has 5 MA's), (4, 43337), (8, 43445), (12, 43538), (13, 43544), (15, 43595), (17, 43610), (19, 43643), (20, 43652), (21, 43664), (23, 43691), (24, 43706),

Gene: JKerns_66 Start: 43684, Stop: 44130, Start Num: 2

Candidate Starts for JKerns_66:

(Start: 2 @43684 has 5 MA's), (7, 43792), (10, 43867), (11, 43888), (12, 43903), (13, 43909), (15, 43960), (20, 44017), (21, 44029),

Gene: Jawnski_62 Start: 42713, Stop: 43177, Start Num: 3

Candidate Starts for Jawnski_62:

(1, 42644), (Start: 3 @42713 has 3 MA's), (5, 42770), (7, 42827), (8, 42842), (9, 42890), (13, 42938), (14, 42980), (16, 42992), (18, 43013), (19, 43043), (22, 43067), (25, 43160),

Gene: LeeroyJ_66 Start: 43284, Stop: 43694, Start Num: 2

Candidate Starts for LeeroyJ_66:

(Start: 2 @43284 has 5 MA's), (6, 43347), (13, 43473), (15, 43524), (17, 43539), (19, 43572), (21, 43593), (23, 43620), (24, 43635),

Gene: Timinator_66 Start: 43397, Stop: 43807, Start Num: 2

Candidate Starts for Timinator_66:

(Start: 2 @43397 has 5 MA's), (6, 43460), (13, 43586), (15, 43637), (17, 43652), (19, 43685), (21, 43706), (23, 43733), (24, 43748),

Gene: Zartrosa_67 Start: 43517, Stop: 43963, Start Num: 2

Candidate Starts for Zartrosa_67:

(Start: 2 @43517 has 5 MA's), (7, 43625), (10, 43700), (12, 43736), (13, 43742), (15, 43793), (20, 43850), (21, 43862),