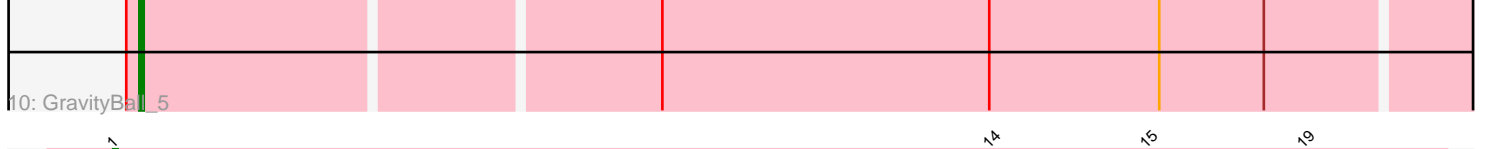
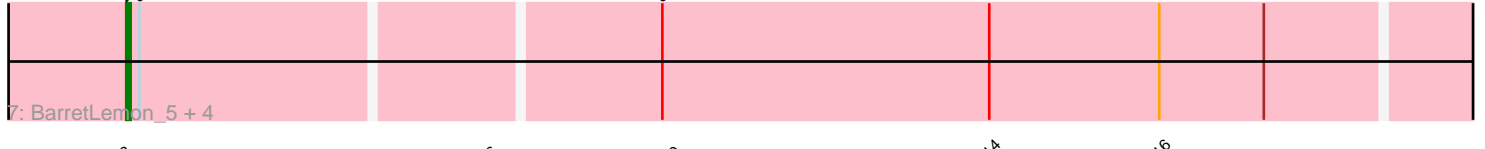
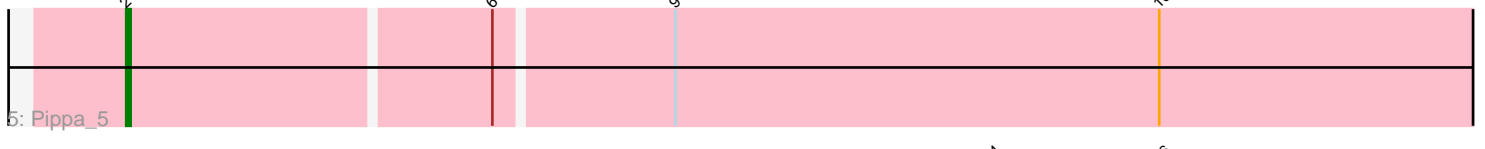
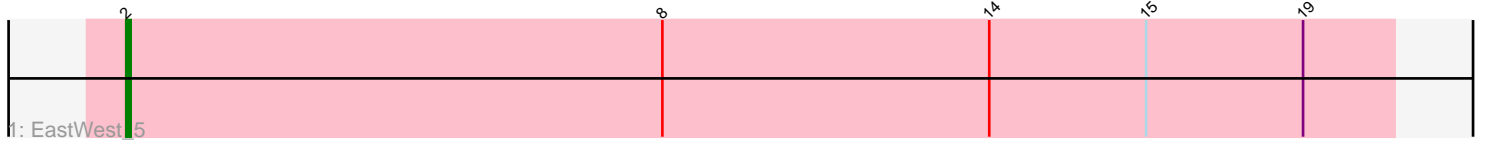


Pham 296865



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 296865 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296865 has 26 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EastWest_5
- Track 2 : King2_5, Jawnski_5, Franzy_5, Brent_5
- Track 3 : NathanVaag_5, Piccoletto_5
- Track 4 : Beans_5
- Track 5 : Pippa_5
- Track 6 : Grekaycon_5, TaeYoung_5, Martha_5
- Track 7 : BarretLemon_5, StevieBAY_5, Timinator_5, LeeroyJ_5, BigDome_5
- Track 8 : Jordan_5, Sonny_5, Shade_5, BossLady_5, JKerns_5, Zartrosa_5
- Track 9 : Wyborn_5
- Track 10 : GravityBall_5
- Track 11 : Sicarius2_5

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 15 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_5, BigDome_5, BossLady_5, EastWest_5, Grekaycon_5, JKerns_5, Jordan_5, LeeroyJ_5, Martha_5, Pippa_5, Shade_5, Sonny_5, StevieBAY_5, TaeYoung_5, Timinator_5, Zartrosa_5,

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

- GravityBall_5,

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

- Beans_5, Brent_5, Franzy_5, Jawnski_5, King2_5, NathanVaag_5, Piccoletto_5, Sicarius2_5, Wyborn_5,

Summary by start number:

Start 1:

- Found in 9 of 26 (34.6%) of genes in pham
- Manual Annotations of this start: 9 of 25

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beans_5 (AO1), Brent_5 (AO1), Franzy_5 (AO1), Jawnski_5 (AO1), King2_5 (AO1), NathanVaag_5 (AO1), Piccoletto_5 (AO1), Sicarius2_5 (AO2), Wyborn_5 (AO2),

Start 2:

- Found in 17 of 26 (65.4%) of genes in pham
- Manual Annotations of this start: 15 of 25
- Called 94.1% of time when present
- Phage (with cluster) where this start called: BarretLemon_5 (AO2), BigDome_5 (AO2), BossLady_5 (AO2), EastWest_5 (AO), Grekaycon_5 (AO2), JKerns_5 (AO2), Jordan_5 (AO2), LeeroyJ_5 (AO2), Martha_5 (AO2), Pippa_5 (AO2), Shade_5 (AO2), Sonny_5 (AO2), StevieBAY_5 (AO2), TaeYoung_5 (AO2), Timinator_5 (AO2), Zartrosa_5 (AO2),

Start 3:

- Found in 6 of 26 (23.1%) of genes in pham
- Manual Annotations of this start: 1 of 25
- Called 16.7% of time when present
- Phage (with cluster) where this start called: GravityBall_5 (AO2),

Summary by clusters:

There are 3 clusters represented in this pham: AO, AO2, AO1,

Info for manual annotations of cluster AO:

- Start number 2 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 1 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 1 was manually annotated 2 times for cluster AO2.
- Start number 2 was manually annotated 14 times for cluster AO2.
- Start number 3 was manually annotated 1 time for cluster AO2.

Gene Information:

Gene: BarretLemon_5 Start: 5150, Stop: 5470, Start Num: 2

Candidate Starts for BarretLemon_5:

(Start: 2 @5150 has 15 MA's), (Start: 3 @5153 has 1 MA's), (8, 5267), (14, 5342), (16, 5381), (18, 5405),

Gene: Beans_5 Start: 5184, Stop: 5465, Start Num: 1

Candidate Starts for Beans_5:

(Start: 1 @5184 has 9 MA's), (7, 5301), (8, 5304), (11, 5352), (12, 5358), (13, 5367), (16, 5418), (19, 5451), (20, 5460),

Gene: BigDome_5 Start: 5147, Stop: 5467, Start Num: 2

Candidate Starts for BigDome_5:

(Start: 2 @5147 has 15 MA's), (Start: 3 @5150 has 1 MA's), (8, 5264), (14, 5339), (16, 5378), (18, 5402),

Gene: BossLady_5 Start: 5158, Stop: 5448, Start Num: 2

Candidate Starts for BossLady_5:

(Start: 2 @5158 has 15 MA's), (6, 5239), (9, 5278), (14, 5350), (16, 5389),

Gene: Brent_5 Start: 5178, Stop: 5459, Start Num: 1

Candidate Starts for Brent_5:

(Start: 1 @5178 has 9 MA's), (4, 5202), (5, 5208), (7, 5295), (8, 5298), (12, 5352), (14, 5373), (19, 5445), (20, 5454),

Gene: EastWest_5 Start: 5085, Stop: 5375, Start Num: 2

Candidate Starts for EastWest_5:

(Start: 2 @5085 has 15 MA's), (8, 5208), (14, 5283), (15, 5319), (19, 5355),

Gene: Franzy_5 Start: 5178, Stop: 5459, Start Num: 1

Candidate Starts for Franzy_5:

(Start: 1 @5178 has 9 MA's), (4, 5202), (5, 5208), (7, 5295), (8, 5298), (12, 5352), (14, 5373), (19, 5445), (20, 5454),

Gene: GravityBall_5 Start: 5153, Stop: 5470, Start Num: 3

Candidate Starts for GravityBall_5:

(Start: 2 @5150 has 15 MA's), (Start: 3 @5153 has 1 MA's), (8, 5267), (14, 5342), (16, 5381), (18, 5405),

Gene: Grekaycon_5 Start: 5158, Stop: 5448, Start Num: 2

Candidate Starts for Grekaycon_5:

(Start: 2 @5158 has 15 MA's), (6, 5239), (7, 5272), (9, 5278), (14, 5350), (16, 5389),

Gene: JKerns_5 Start: 5155, Stop: 5445, Start Num: 2

Candidate Starts for JKerns_5:

(Start: 2 @5155 has 15 MA's), (6, 5236), (9, 5275), (14, 5347), (16, 5386),

Gene: Jawnski_5 Start: 5178, Stop: 5459, Start Num: 1

Candidate Starts for Jawnski_5:

(Start: 1 @5178 has 9 MA's), (4, 5202), (5, 5208), (7, 5295), (8, 5298), (12, 5352), (14, 5373), (19, 5445), (20, 5454),

Gene: Jordan_5 Start: 5155, Stop: 5445, Start Num: 2

Candidate Starts for Jordan_5:

(Start: 2 @5155 has 15 MA's), (6, 5236), (9, 5275), (14, 5347), (16, 5386),

Gene: King2_5 Start: 5178, Stop: 5459, Start Num: 1

Candidate Starts for King2_5:

(Start: 1 @5178 has 9 MA's), (4, 5202), (5, 5208), (7, 5295), (8, 5298), (12, 5352), (14, 5373), (19, 5445), (20, 5454),

Gene: LeeroyJ_5 Start: 5150, Stop: 5470, Start Num: 2

Candidate Starts for LeeroyJ_5:

(Start: 2 @5150 has 15 MA's), (Start: 3 @5153 has 1 MA's), (8, 5267), (14, 5342), (16, 5381), (18, 5405),

Gene: Martha_5 Start: 5158, Stop: 5448, Start Num: 2
Candidate Starts for Martha_5:
(Start: 2 @5158 has 15 MA's), (6, 5239), (7, 5272), (9, 5278), (14, 5350), (16, 5389),

Gene: NathanVaag_5 Start: 5184, Stop: 5465, Start Num: 1
Candidate Starts for NathanVaag_5:
(Start: 1 @5184 has 9 MA's), (8, 5304), (11, 5352), (12, 5358), (13, 5367), (16, 5418), (19, 5451),

Gene: Piccoletto_5 Start: 5184, Stop: 5465, Start Num: 1
Candidate Starts for Piccoletto_5:
(Start: 1 @5184 has 9 MA's), (8, 5304), (11, 5352), (12, 5358), (13, 5367), (16, 5418), (19, 5451),

Gene: Pippa_5 Start: 5154, Stop: 5477, Start Num: 2
Candidate Starts for Pippa_5:
(Start: 2 @5154 has 15 MA's), (6, 5235), (9, 5274), (16, 5385),

Gene: Shade_5 Start: 5155, Stop: 5445, Start Num: 2
Candidate Starts for Shade_5:
(Start: 2 @5155 has 15 MA's), (6, 5236), (9, 5275), (14, 5347), (16, 5386),

Gene: Sicarius2_5 Start: 5199, Stop: 5504, Start Num: 1
Candidate Starts for Sicarius2_5:
(Start: 1 @5199 has 9 MA's), (14, 5400), (15, 5436), (19, 5472),

Gene: Sonny_5 Start: 5155, Stop: 5445, Start Num: 2
Candidate Starts for Sonny_5:
(Start: 2 @5155 has 15 MA's), (6, 5236), (9, 5275), (14, 5347), (16, 5386),

Gene: StevieBAY_5 Start: 5150, Stop: 5470, Start Num: 2
Candidate Starts for StevieBAY_5:
(Start: 2 @5150 has 15 MA's), (Start: 3 @5153 has 1 MA's), (8, 5267), (14, 5342), (16, 5381), (18, 5405),

Gene: TaeYoung_5 Start: 5158, Stop: 5448, Start Num: 2
Candidate Starts for TaeYoung_5:
(Start: 2 @5158 has 15 MA's), (6, 5239), (7, 5272), (9, 5278), (14, 5350), (16, 5389),

Gene: Timinator_5 Start: 5150, Stop: 5470, Start Num: 2
Candidate Starts for Timinator_5:
(Start: 2 @5150 has 15 MA's), (Start: 3 @5153 has 1 MA's), (8, 5267), (14, 5342), (16, 5381), (18, 5405),

Gene: Wyborn_5 Start: 5205, Stop: 5510, Start Num: 1
Candidate Starts for Wyborn_5:
(Start: 1 @5205 has 9 MA's), (10, 5358), (14, 5406), (15, 5442), (17, 5460), (19, 5478),

Gene: Zartrosa_5 Start: 5155, Stop: 5445, Start Num: 2
Candidate Starts for Zartrosa_5:
(Start: 2 @5155 has 15 MA's), (6, 5236), (9, 5275), (14, 5347), (16, 5386),