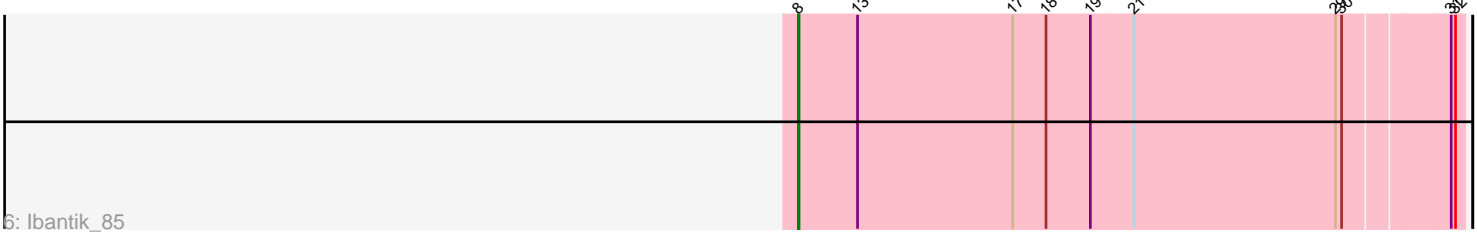
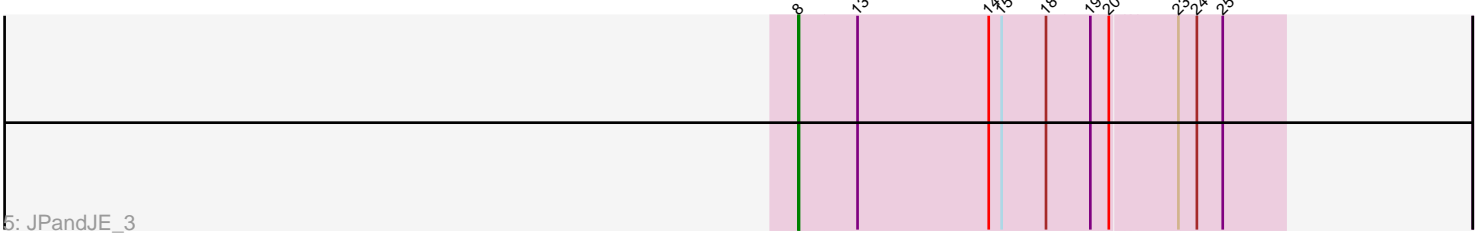
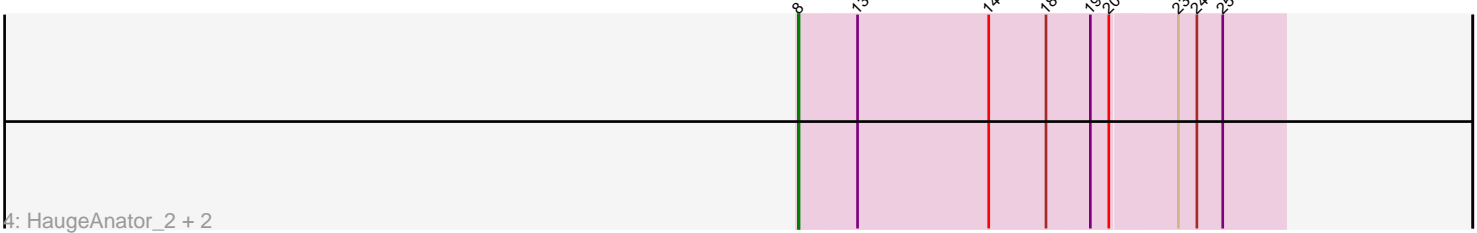
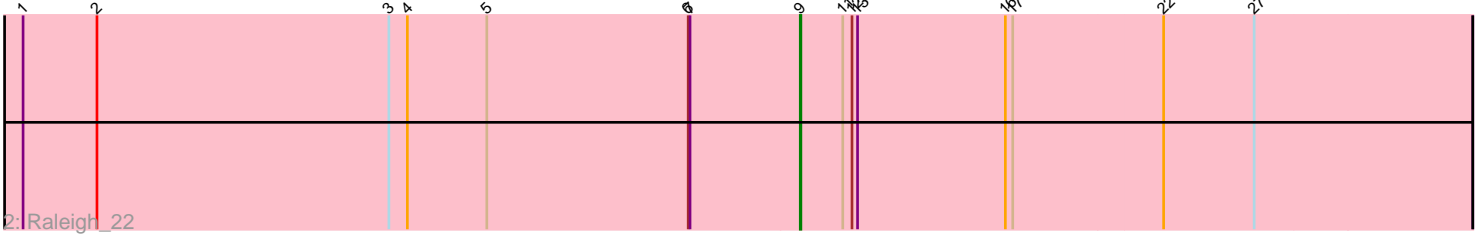
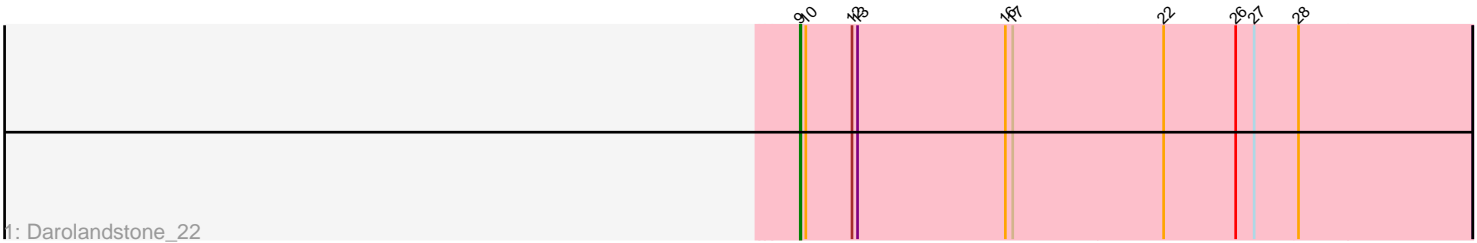


Pham 87285



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 87285 Report

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

Pham number 87285 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Darolandstone_22
- Track 2 : Raleigh_22
- Track 3 : Treat_2, Immanuel3_2, Romero_2, Percastrophe_2, ToriToki_2
- Track 4 : HaugeAnator_2, ZooBear_2, Olidious_2
- Track 5 : JPandJE_3
- Track 6 : Ibantik_85

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

The start number called the most often in the published annotations is 8, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- HaugeAnator_2, Ibantik_85, Immanuel3_2, JPandJE_3, Olidious_2, Percastrophe_2, Romero_2, ToriToki_2, Treat_2, ZooBear_2,

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

-

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

- Darolandstone_22, Raleigh_22,

Summary by start number:

Start 8:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 10 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HaugeAnator_2 (BF), Ibantik_85 (singleton), Immanuel3_2 (BF), JPandJE_3 (BF), Olidious_2 (BF), Percastrophe_2 (BF), Romero_2 (BF), ToriToki_2 (BF), Treat_2 (BF), ZooBear_2 (BF),

Start 9:

- Found in 2 of 12 (16.7%) of genes in pham

- Manual Annotations of this start: 2 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone_22 (BC2), Raleigh_22 (BC2),

Summary by clusters:

There are 3 clusters represented in this pham: BF, singleton, BC2,

Info for manual annotations of cluster BC2:

- Start number 9 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BF:

- Start number 8 was manually annotated 9 times for cluster BF.

Gene Information:

Gene: Darolandstone_22 Start: 18382, Stop: 19467, Start Num: 9

Candidate Starts for Darolandstone_22:

(Start: 9 @18382 has 2 MA's), (10, 18391), (12, 18466), (13, 18475), (16, 18715), (17, 18727), (22, 18970), (26, 19087), (27, 19117), (28, 19186),

Gene: HaugeAnator_2 Start: 2660, Stop: 3421, Start Num: 8

Candidate Starts for HaugeAnator_2:

(Start: 8 @2660 has 10 MA's), (13, 2747), (14, 2960), (18, 3053), (19, 3122), (20, 3149), (23, 3251), (24, 3278), (25, 3320),

Gene: Ibantik_85 Start: 47789, Stop: 48844, Start Num: 8

Candidate Starts for Ibantik_85:

(Start: 8 @47789 has 10 MA's), (13, 47882), (17, 48134), (18, 48188), (19, 48260), (21, 48326), (29, 48653), (30, 48662), (31, 48824), (32, 48830),

Gene: Immanuel3_2 Start: 2661, Stop: 3425, Start Num: 8

Candidate Starts for Immanuel3_2:

(Start: 8 @2661 has 10 MA's), (13, 2751), (14, 2964), (15, 2985), (18, 3057), (19, 3126), (20, 3153), (23, 3255), (24, 3282), (25, 3324),

Gene: JPandJE_3 Start: 3017, Stop: 3781, Start Num: 8

Candidate Starts for JPandJE_3:

(Start: 8 @3017 has 10 MA's), (13, 3107), (14, 3320), (15, 3341), (18, 3413), (19, 3482), (20, 3509), (23, 3611), (24, 3638), (25, 3680),

Gene: Olacious_2 Start: 2660, Stop: 3421, Start Num: 8

Candidate Starts for Olacious_2:

(Start: 8 @2660 has 10 MA's), (13, 2747), (14, 2960), (18, 3053), (19, 3122), (20, 3149), (23, 3251), (24, 3278), (25, 3320),

Gene: Percastrophe_2 Start: 2650, Stop: 3414, Start Num: 8

Candidate Starts for Percastrophe_2:

(Start: 8 @2650 has 10 MA's), (13, 2740), (14, 2953), (15, 2974), (18, 3046), (19, 3115), (20, 3142), (23, 3244), (24, 3271), (25, 3313),

Gene: Raleigh_22 Start: 18601, Stop: 19683, Start Num: 9

Candidate Starts for Raleigh_22:

(1, 17341), (2, 17461), (3, 17935), (4, 17965), (5, 18094), (6, 18421), (7, 18424), (Start: 9 @18601 has 2 MA's), (11, 18670), (12, 18685), (13, 18694), (16, 18934), (17, 18946), (22, 19186), (27, 19333),

Gene: Romero_2 Start: 2650, Stop: 3414, Start Num: 8

Candidate Starts for Romero_2:

(Start: 8 @2650 has 10 MA's), (13, 2740), (14, 2953), (15, 2974), (18, 3046), (19, 3115), (20, 3142), (23, 3244), (24, 3271), (25, 3313),

Gene: ToriToki_2 Start: 2650, Stop: 3414, Start Num: 8

Candidate Starts for ToriToki_2:

(Start: 8 @2650 has 10 MA's), (13, 2740), (14, 2953), (15, 2974), (18, 3046), (19, 3115), (20, 3142), (23, 3244), (24, 3271), (25, 3313),

Gene: Treat_2 Start: 2650, Stop: 3414, Start Num: 8

Candidate Starts for Treat_2:

(Start: 8 @2650 has 10 MA's), (13, 2740), (14, 2953), (15, 2974), (18, 3046), (19, 3115), (20, 3142), (23, 3244), (24, 3271), (25, 3313),

Gene: ZooBear_2 Start: 2660, Stop: 3421, Start Num: 8

Candidate Starts for ZooBear_2:

(Start: 8 @2660 has 10 MA's), (13, 2747), (14, 2960), (18, 3053), (19, 3122), (20, 3149), (23, 3251), (24, 3278), (25, 3320),