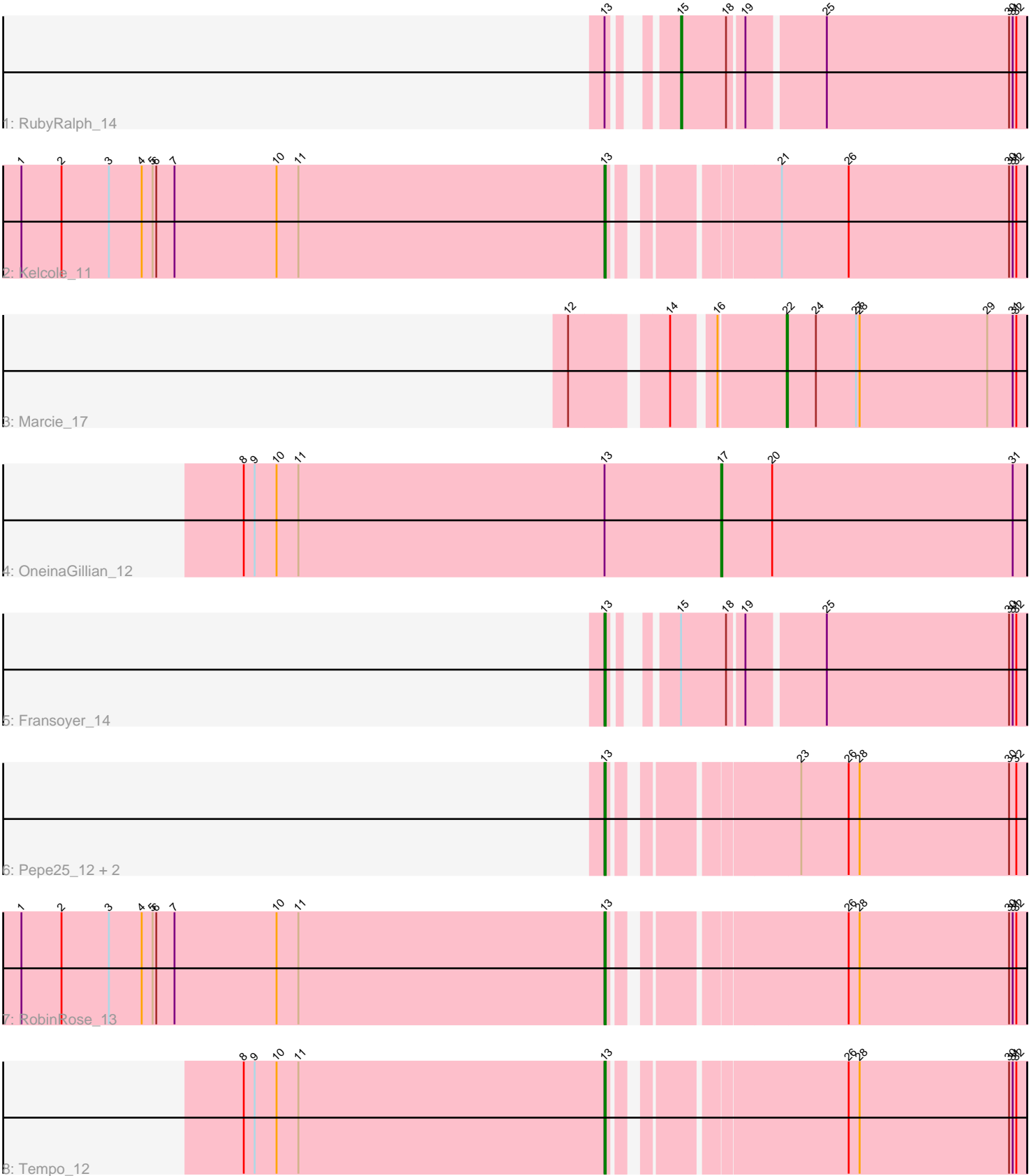


Pham 87856



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 87856 Report

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

Pham number 87856 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : RubyRalph_14
- Track 2 : Kelcole_11
- Track 3 : Marcie_17
- Track 4 : OneinaGillian_12
- Track 5 : Fransoyer_14
- Track 6 : Pepe25_12, BirdInFrench_13, Wilca_13
- Track 7 : RobinRose_13
- Track 8 : Tempo_12

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdInFrench_13, Fransoyer_14, Kelcole_11, Pepe25_12, RobinRose_13, Tempo_12, Wilca_13,

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

- OneinaGillian_12, RubyRalph_14,

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

- Marcie_17,

Summary by start number:

Start 13:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BirdInFrench_13 (EG), Fransoyer_14 (EG), Kelcole_11 (EG), Pepe25_12 (EG), RobinRose_13 (EG), Tempo_12 (EG), Wilca_13 (EG),

Start 15:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: RubyRalph_14 (EG),

Start 17:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneinaGillian_12 (EG),

Start 22:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marcie_17 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 13 was manually annotated 5 times for cluster EG.
- Start number 15 was manually annotated 1 time for cluster EG.
- Start number 17 was manually annotated 1 time for cluster EG.
- Start number 22 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: BirdInFrench_13 Start: 3496, Stop: 3810, Start Num: 13

Candidate Starts for BirdInFrench_13:

(Start: 13 @3496 has 5 MA's), (23, 3625), (26, 3664), (28, 3673), (30, 3796), (32, 3802),

Gene: Fransoyer_14 Start: 4265, Stop: 4570, Start Num: 13

Candidate Starts for Fransoyer_14:

(Start: 13 @4265 has 5 MA's), (Start: 15 @4298 has 1 MA's), (18, 4334), (19, 4346), (25, 4406), (30, 4556), (31, 4559), (32, 4562),

Gene: Kelcole_11 Start: 3394, Stop: 3708, Start Num: 13

Candidate Starts for Kelcole_11:

(1, 2914), (2, 2947), (3, 2986), (4, 3013), (5, 3022), (6, 3025), (7, 3040), (10, 3124), (11, 3142), (Start: 13 @3394 has 5 MA's), (21, 3508), (26, 3562), (30, 3694), (31, 3697), (32, 3700),

Gene: Marcie_17 Start: 4213, Stop: 4410, Start Num: 22

Candidate Starts for Marcie_17:

(12, 4060), (14, 4129), (16, 4159), (Start: 22 @4213 has 1 MA's), (24, 4237), (27, 4270), (28, 4273), (29, 4378), (31, 4399), (32, 4402),

Gene: OneinaGillian_12 Start: 3133, Stop: 3384, Start Num: 17

Candidate Starts for OneinaGillian_12:

(8, 2740), (9, 2749), (10, 2767), (11, 2785), (Start: 13 @3037 has 5 MA's), (Start: 17 @3133 has 1 MA's), (20, 3175), (31, 3373),

Gene: Pepe25_12 Start: 3496, Stop: 3810, Start Num: 13

Candidate Starts for Pepe25_12:

(Start: 13 @3496 has 5 MA's), (23, 3625), (26, 3664), (28, 3673), (30, 3796), (32, 3802),

Gene: RobinRose_13 Start: 3223, Stop: 3537, Start Num: 13

Candidate Starts for RobinRose_13:

(1, 2743), (2, 2776), (3, 2815), (4, 2842), (5, 2851), (6, 2854), (7, 2869), (10, 2953), (11, 2971), (Start: 13 @3223 has 5 MA's), (26, 3391), (28, 3400), (30, 3523), (31, 3526), (32, 3529),

Gene: RubyRalph_14 Start: 4232, Stop: 4504, Start Num: 15

Candidate Starts for RubyRalph_14:

(Start: 13 @4199 has 5 MA's), (Start: 15 @4232 has 1 MA's), (18, 4268), (19, 4280), (25, 4340), (30, 4490), (31, 4493), (32, 4496),

Gene: Tempo_12 Start: 3418, Stop: 3732, Start Num: 13

Candidate Starts for Tempo_12:

(8, 3121), (9, 3130), (10, 3148), (11, 3166), (Start: 13 @3418 has 5 MA's), (26, 3586), (28, 3595), (30, 3718), (31, 3721), (32, 3724),

Gene: Wilca_13 Start: 3496, Stop: 3810, Start Num: 13

Candidate Starts for Wilca_13:

(Start: 13 @3496 has 5 MA's), (23, 3625), (26, 3664), (28, 3673), (30, 3796), (32, 3802),