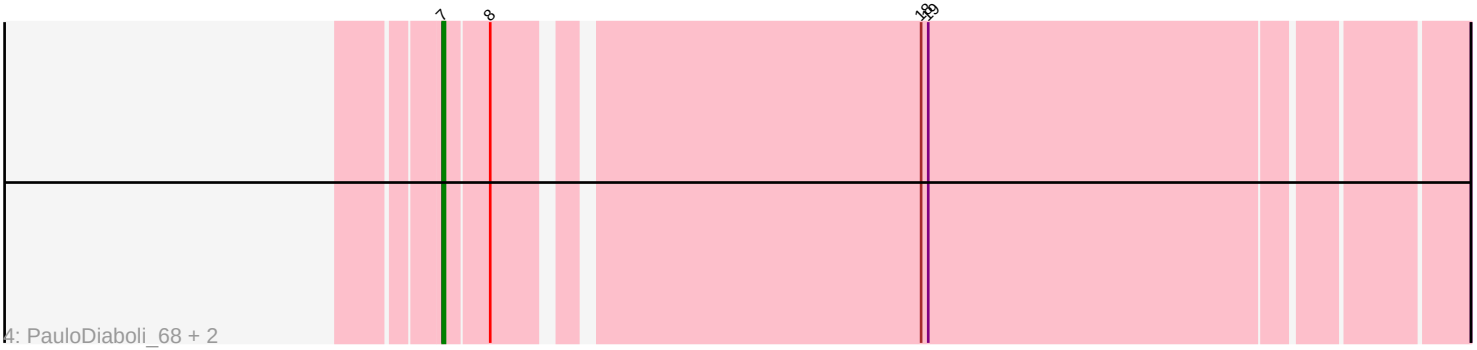
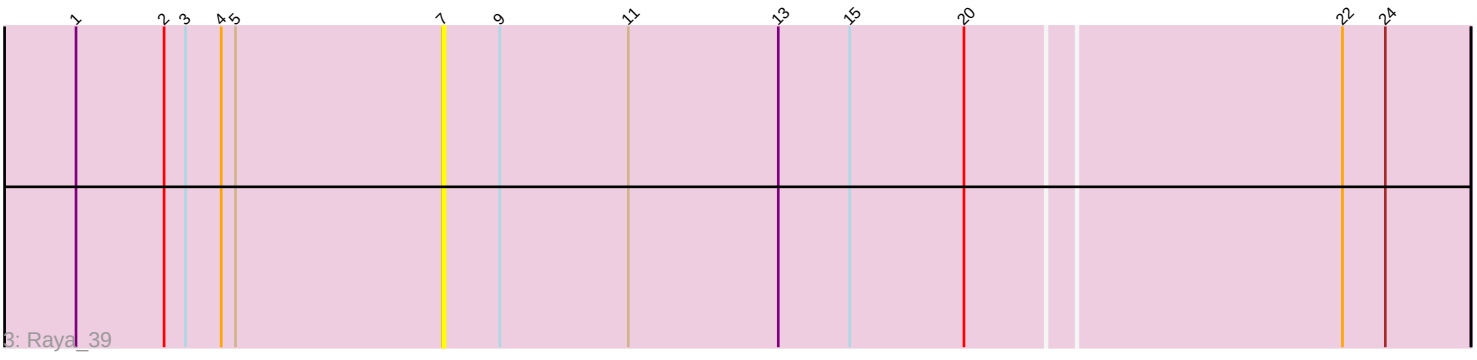
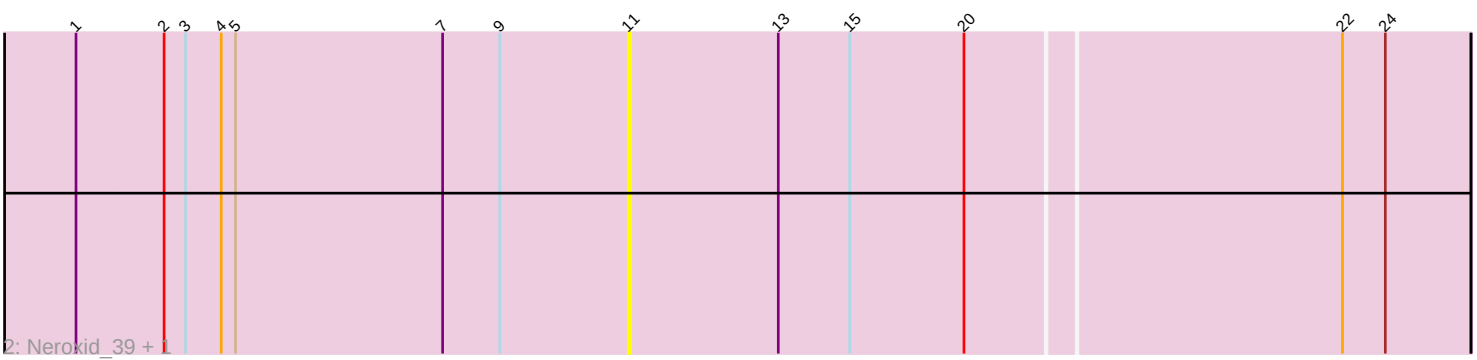
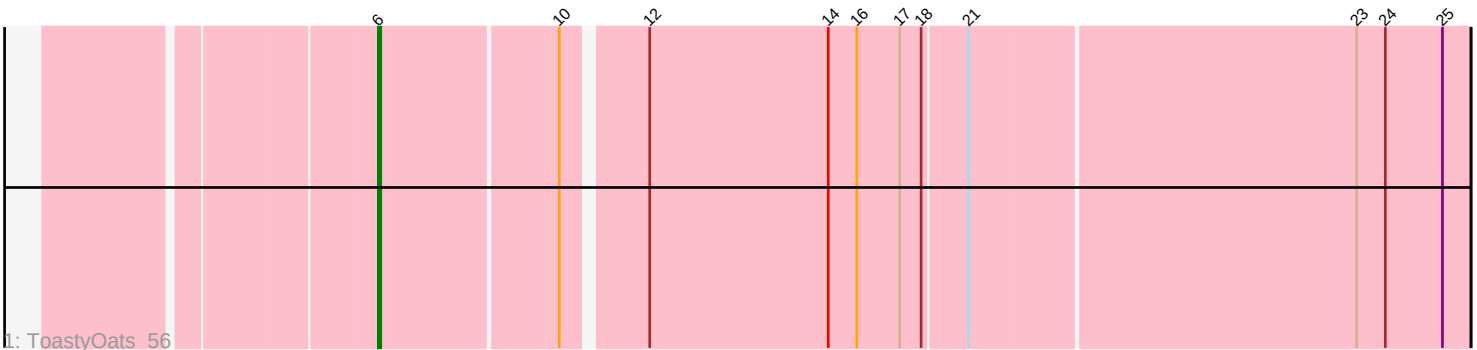


Pham 310122



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 310122 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310122 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : ToastyOats_56
- Track 2 : Neroxid_39, Skyerus_35
- Track 3 : Raya_39
- Track 4 : PauloDiaboli_68, Dodo_70, A3Wally_69

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A3Wally_69, Dodo_70, PauloDiaboli_68, Raya_39,

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

- Neroxid_39, Skyerus_35,

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

- ToastyOats_56,

Summary by start number:

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ToastyOats_56 (FF),

Start 7:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 66.7% of time when present
- Phage (with cluster) where this start called: A3Wally_69 (GD1), Dodo_70 (GD1), PauloDiaboli_68 (GD1), Raya_39 (FQ2),

Start 11:

- Found in 3 of 7 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Neroxid_39 (FQ2), Skyerus_35 (FQ2),

Summary by clusters:

There are 3 clusters represented in this pham: FQ2, GD1, FF,

Info for manual annotations of cluster FF:

- Start number 6 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster GD1:

- Start number 7 was manually annotated 3 times for cluster GD1.

Gene Information:

Gene: A3Wally_69 Start: 23329, Stop: 22928, Start Num: 7

Candidate Starts for A3Wally_69:

(Start: 7 @23329 has 3 MA's), (8, 23311), (18, 23146), (19, 23143),

Gene: Dodo_70 Start: 23651, Stop: 23250, Start Num: 7

Candidate Starts for Dodo_70:

(Start: 7 @23651 has 3 MA's), (8, 23633), (18, 23468), (19, 23465),

Gene: Neroxid_39 Start: 26107, Stop: 26454, Start Num: 11

Candidate Starts for Neroxid_39:

(1, 25876), (2, 25912), (3, 25921), (4, 25936), (5, 25942), (Start: 7 @26029 has 3 MA's), (9, 26053), (11, 26107), (13, 26170), (15, 26200), (20, 26248), (22, 26401), (24, 26419),

Gene: PauloDiaboli_68 Start: 22686, Stop: 22285, Start Num: 7

Candidate Starts for PauloDiaboli_68:

(Start: 7 @22686 has 3 MA's), (8, 22668), (18, 22503), (19, 22500),

Gene: Raya_39 Start: 26029, Stop: 26454, Start Num: 7

Candidate Starts for Raya_39:

(1, 25876), (2, 25912), (3, 25921), (4, 25936), (5, 25942), (Start: 7 @26029 has 3 MA's), (9, 26053), (11, 26107), (13, 26170), (15, 26200), (20, 26248), (22, 26401), (24, 26419),

Gene: Skyerus_35 Start: 24225, Stop: 24572, Start Num: 11

Candidate Starts for Skyerus_35:

(1, 23994), (2, 24030), (3, 24039), (4, 24054), (5, 24060), (Start: 7 @24147 has 3 MA's), (9, 24171), (11, 24225), (13, 24288), (15, 24318), (20, 24366), (22, 24519), (24, 24537),

Gene: ToastyOats_56 Start: 36506, Stop: 36943, Start Num: 6

Candidate Starts for ToastyOats_56:

(Start: 6 @36506 has 1 MA's), (10, 36575), (12, 36605), (14, 36680), (16, 36692), (17, 36710), (18, 36719), (21, 36737), (23, 36896), (24, 36908), (25, 36932),