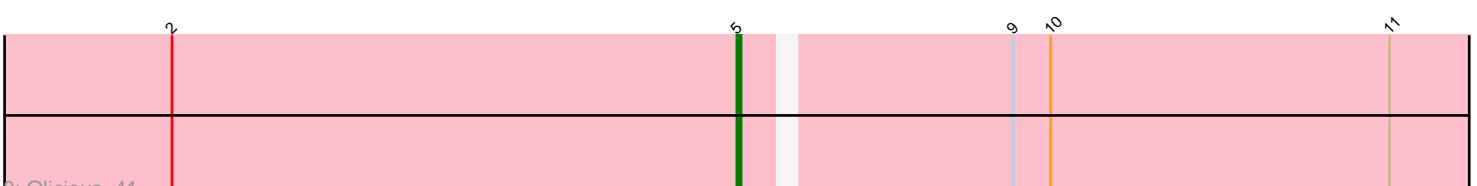
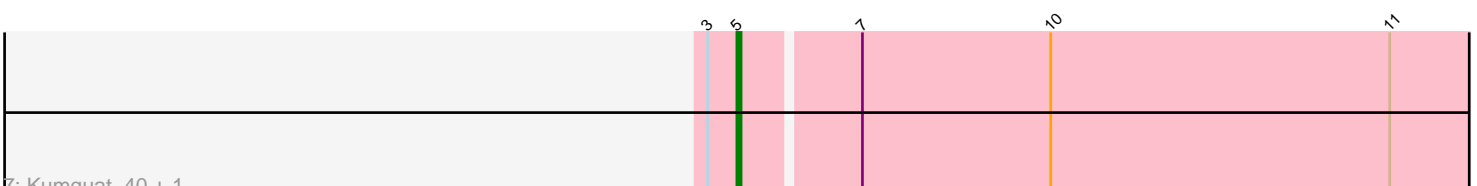
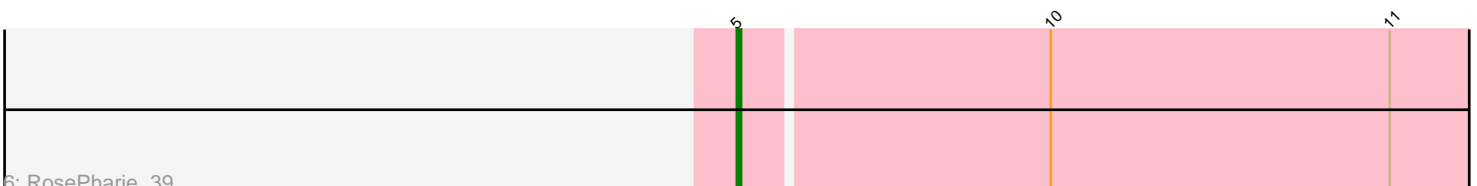
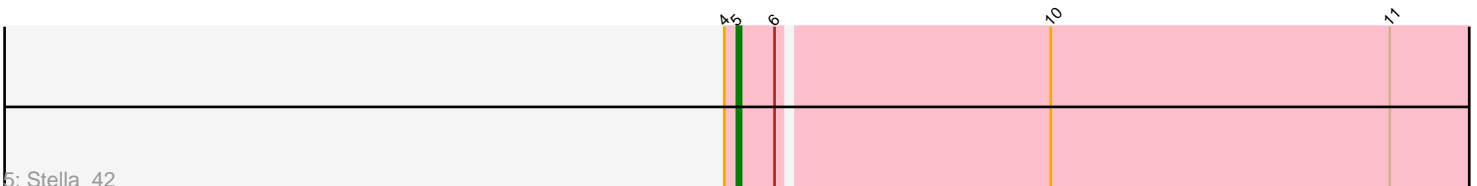
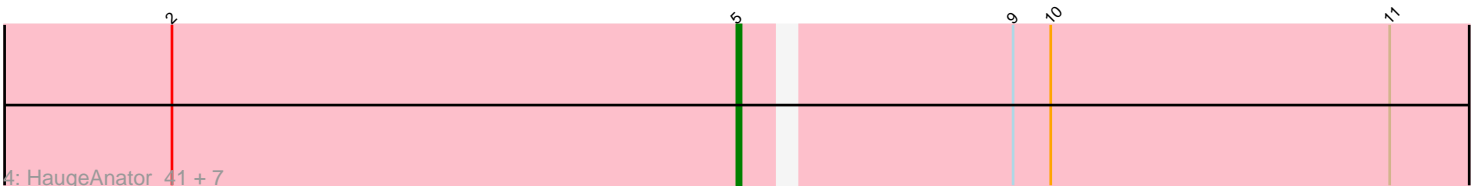
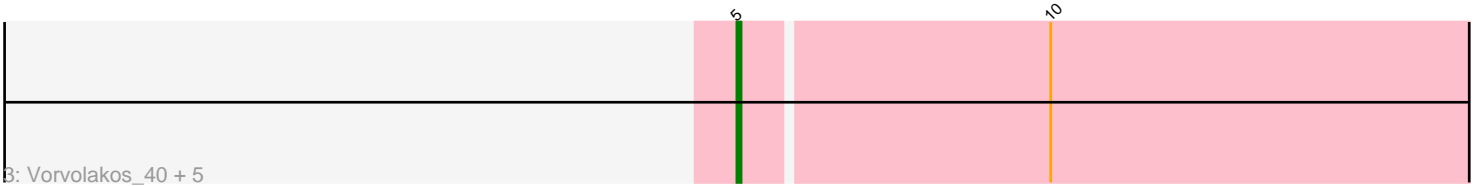
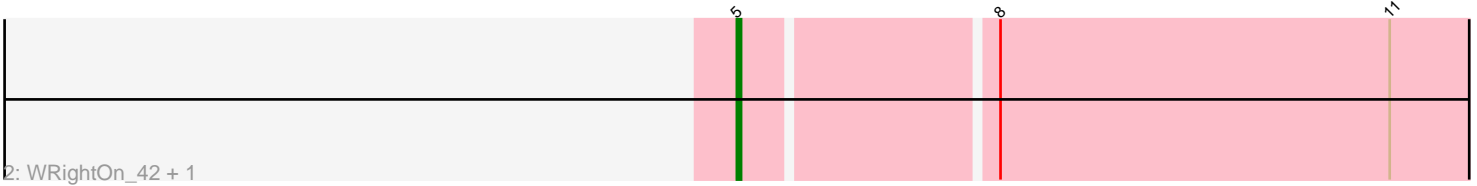
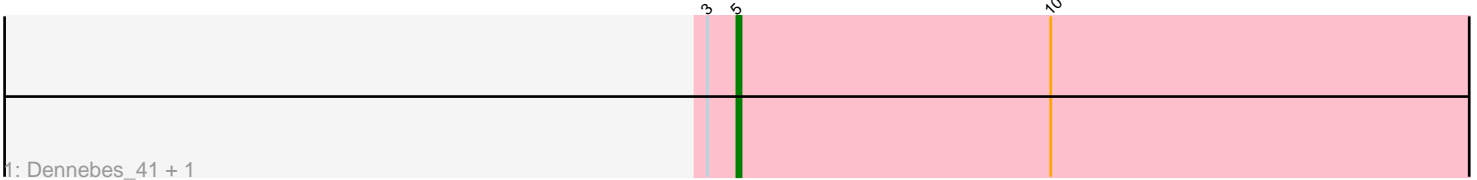


Zoomed Pham 4052



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 4052 Report

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

Pham number 4052 has 23 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dennebes_41, Rideau_42
- Track 2 : WRightOn_42, Manuel_38
- Track 3 : Vorvolakos_40, RetrieverFever_40, Gremlin23_40, FlowerPower_40, Fabian_37, Geostin_35
- Track 4 : HaugeAnator_41, Percastrophe_41, Romero_41, Treat_41, ZooBear_41, ToriToki_41, JPandJE_42, Immanuel3_41
- Track 5 : Stella_42
- Track 6 : RosePharie_39
- Track 7 : Kumquat_40, Zeigle_40
- Track 8 : Olacious_41

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

The start number called the most often in the published annotations is 5, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dennebes_41, Fabian_37, FlowerPower_40, Geostin_35, Gremlin23_40, HaugeAnator_41, Immanuel3_41, JPandJE_42, Kumquat_40, Manuel_38, Olacious_41, Percastrophe_41, RetrieverFever_40, Rideau_42, Romero_41, RosePharie_39, Stella_42, ToriToki_41, Treat_41, Vorvolakos_40, WRightOn_42, Zeigle_40, ZooBear_41,

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

-

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

-

Summary by start number:

Start 5:

- Found in 23 of 23 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dennebes_41 (BF), Fabian_37 (BF), FlowerPower_40 (BF), Geostin_35 (BF), Gremlin23_40 (BF), HaugeAnator_41 (BF), Immanuel3_41 (BF), JPandJE_42 (BF), Kumquat_40 (BF), Manuel_38 (BF), Olicious_41 (BF), Percastrophe_41 (BF), RetrieverFever_40 (BF), Rideau_42 (BF), Romero_41 (BF), RosePharie_39 (BF), Stella_42 (BF), ToriToki_41 (BF), Treat_41 (BF), Vorvolakos_40 (BF), WRightOn_42 (BF), Zeigle_40 (BF), ZooBear_41 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:

- Start number 5 was manually annotated 21 times for cluster BF.

Gene Information:

Gene: Dennebes_41 Start: 21601, Stop: 21852, Start Num: 5

Candidate Starts for Dennebes_41:

(3, 21595), (Start: 5 @21601 has 21 MA's), (10, 21676), (13, 21835),

Gene: Fabian_37 Start: 21451, Stop: 21699, Start Num: 5

Candidate Starts for Fabian_37:

(Start: 5 @21451 has 21 MA's), (10, 21523), (13, 21682),

Gene: FlowerPower_40 Start: 21451, Stop: 21699, Start Num: 5

Candidate Starts for FlowerPower_40:

(Start: 5 @21451 has 21 MA's), (10, 21523), (13, 21682),

Gene: Geostin_35 Start: 21451, Stop: 21699, Start Num: 5

Candidate Starts for Geostin_35:

(Start: 5 @21451 has 21 MA's), (10, 21523), (13, 21682),

Gene: Gremlin23_40 Start: 21451, Stop: 21699, Start Num: 5

Candidate Starts for Gremlin23_40:

(Start: 5 @21451 has 21 MA's), (10, 21523), (13, 21682),

Gene: HaugeAnator_41 Start: 22014, Stop: 22259, Start Num: 5

Candidate Starts for HaugeAnator_41:

(2, 21879), (Start: 5 @22014 has 21 MA's), (9, 22074), (10, 22083), (11, 22164), (13, 22242),

Gene: Immanuel3_41 Start: 22018, Stop: 22263, Start Num: 5

Candidate Starts for Immanuel3_41:

(2, 21883), (Start: 5 @22018 has 21 MA's), (9, 22078), (10, 22087), (11, 22168), (13, 22246),

Gene: JPandJE_42 Start: 22485, Stop: 22730, Start Num: 5

Candidate Starts for JPandJE_42:

(2, 22350), (Start: 5 @22485 has 21 MA's), (9, 22545), (10, 22554), (11, 22635), (13, 22713),

Gene: Kumquat_40 Start: 22019, Stop: 22267, Start Num: 5

Candidate Starts for Kumquat_40:

(3, 22013), (Start: 5 @22019 has 21 MA's), (7, 22046), (10, 22091), (11, 22172), (13, 22250),

Gene: Manuel_38 Start: 21646, Stop: 21891, Start Num: 5

Candidate Starts for Manuel_38:

(Start: 5 @21646 has 21 MA's), (8, 21703), (11, 21796), (12, 21844), (13, 21874),

Gene: Olicious_41 Start: 22014, Stop: 22259, Start Num: 5

Candidate Starts for Olicious_41:

(1, 21636), (2, 21879), (Start: 5 @22014 has 21 MA's), (9, 22074), (10, 22083), (11, 22164), (13, 22242),

Gene: Percastrophe_41 Start: 21948, Stop: 22193, Start Num: 5

Candidate Starts for Percastrophe_41:

(2, 21813), (Start: 5 @21948 has 21 MA's), (9, 22008), (10, 22017), (11, 22098), (13, 22176),

Gene: RetrieverFever_40 Start: 21451, Stop: 21699, Start Num: 5

Candidate Starts for RetrieverFever_40:

(Start: 5 @21451 has 21 MA's), (10, 21523), (13, 21682),

Gene: Rideau_42 Start: 21601, Stop: 21852, Start Num: 5

Candidate Starts for Rideau_42:

(3, 21595), (Start: 5 @21601 has 21 MA's), (10, 21676), (13, 21835),

Gene: Romero_41 Start: 22007, Stop: 22252, Start Num: 5

Candidate Starts for Romero_41:

(2, 21872), (Start: 5 @22007 has 21 MA's), (9, 22067), (10, 22076), (11, 22157), (13, 22235),

Gene: RosePharie_39 Start: 21662, Stop: 21910, Start Num: 5

Candidate Starts for RosePharie_39:

(Start: 5 @21662 has 21 MA's), (10, 21734), (11, 21815), (13, 21893),

Gene: Stella_42 Start: 22104, Stop: 22352, Start Num: 5

Candidate Starts for Stella_42:

(4, 22101), (Start: 5 @22104 has 21 MA's), (6, 22113), (10, 22176), (11, 22257), (13, 22335),

Gene: ToriToki_41 Start: 22007, Stop: 22252, Start Num: 5

Candidate Starts for ToriToki_41:

(2, 21872), (Start: 5 @22007 has 21 MA's), (9, 22067), (10, 22076), (11, 22157), (13, 22235),

Gene: Treat_41 Start: 21951, Stop: 22196, Start Num: 5

Candidate Starts for Treat_41:

(2, 21816), (Start: 5 @21951 has 21 MA's), (9, 22011), (10, 22020), (11, 22101), (13, 22179),

Gene: Vorvolakos_40 Start: 21450, Stop: 21698, Start Num: 5

Candidate Starts for Vorvolakos_40:

(Start: 5 @21450 has 21 MA's), (10, 21522), (13, 21681),

Gene: WRightOn_42 Start: 21724, Stop: 21969, Start Num: 5

Candidate Starts for WRightOn_42:

(Start: 5 @21724 has 21 MA's), (8, 21781), (11, 21874), (12, 21922), (13, 21952),

Gene: Zeigle_40 Start: 22019, Stop: 22267, Start Num: 5

Candidate Starts for Zeigle_40:

(3, 22013), (Start: 5 @22019 has 21 MA's), (7, 22046), (10, 22091), (11, 22172), (13, 22250),

Gene: ZooBear_41 Start: 22014, Stop: 22259, Start Num: 5

Candidate Starts for ZooBear_41:

(2, 21879), (Start: 5 @22014 has 21 MA's), (9, 22074), (10, 22083), (11, 22164), (13, 22242),