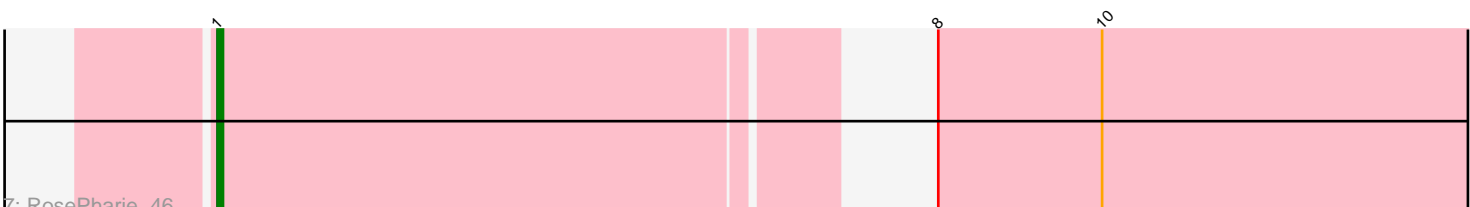
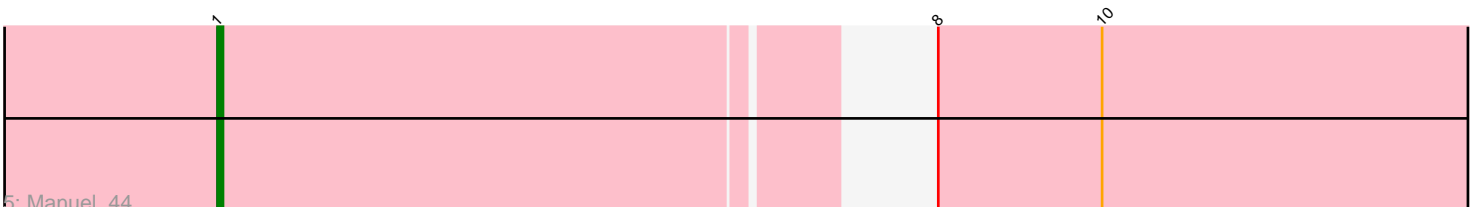
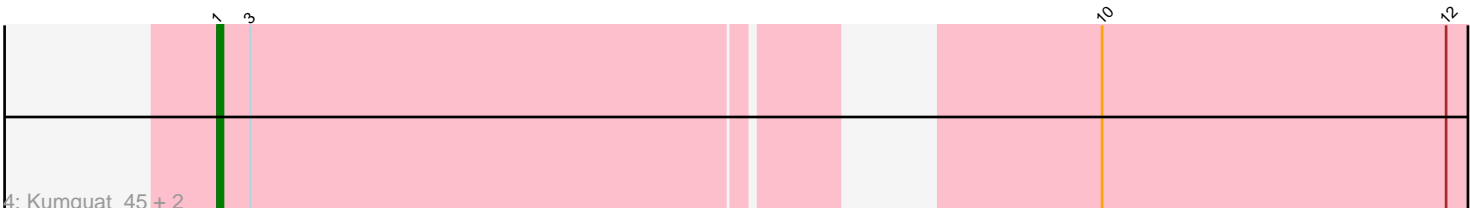
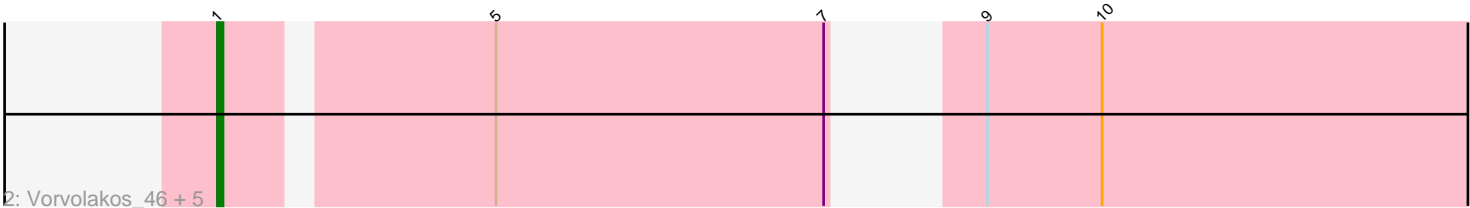
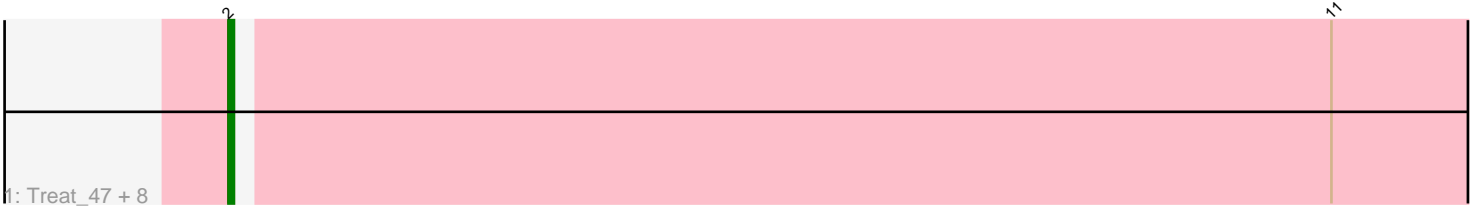


Zoomed Pham 3925



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 3925 Report

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

Pham number 3925 has 23 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Treat_47, ZooBear_47, HaugeAnator_47, Olicious_47, Romero_47, Immanuel3_47, ToriToki_47, Percastrophe_47, JPandJE_48
- Track 2 : Vorvolakos_46, Geostin_41, Fabian_43, Gremlin23_46, FlowerPower_46, RetrieverFever_46
- Track 3 : Rideau_48, Dennebes_47
- Track 4 : Kumquat_45, Zeigle_45, WRightOn_48
- Track 5 : Manuel_44
- Track 6 : Stella_48
- Track 7 : RosePharie_46

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dennebes_47, Fabian_43, FlowerPower_46, Geostin_41, Gremlin23_46, Kumquat_45, Manuel_44, RetrieverFever_46, Rideau_48, RosePharie_46, Stella_48, Vorvolakos_46, WRightOn_48, Zeigle_45,

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

-

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

- HaugeAnator_47, Immanuel3_47, JPandJE_48, Olicious_47, Percastrophe_47, Romero_47, ToriToki_47, Treat_47, ZooBear_47,

Summary by start number:

Start 1:

- Found in 14 of 23 (60.9%) of genes in pham
- Manual Annotations of this start: 12 of 21
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Dennebes_47 (BF), Fabian_43 (BF), FlowerPower_46 (BF), Geostin_41 (BF), Gremlin23_46 (BF), Kumquat_45 (BF), Manuel_44 (BF), RetrieverFever_46 (BF), Rideau_48 (BF), RosePharie_46 (BF), Stella_48 (BF), Vorvolakos_46 (BF), WRightOn_48 (BF), Zeigle_45 (BF),

Start 2:

- Found in 9 of 23 (39.1%) of genes in pham
- Manual Annotations of this start: 9 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HaugeAnator_47 (BF), Immanuel3_47 (BF), JPandJE_48 (BF), Olicious_47 (BF), Percastrophe_47 (BF), Romero_47 (BF), ToriToki_47 (BF), Treat_47 (BF), ZooBear_47 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:

- Start number 1 was manually annotated 12 times for cluster BF.
- Start number 2 was manually annotated 9 times for cluster BF.

Gene Information:

Gene: Dennebes_47 Start: 26816, Stop: 27133, Start Num: 1

Candidate Starts for Dennebes_47:

(Start: 1 @26816 has 12 MA's), (4, 26828), (6, 26882), (9, 26936), (10, 26957), (11, 26999), (16, 27059), (19, 27098), (21, 27122),

Gene: Fabian_43 Start: 26796, Stop: 27107, Start Num: 1

Candidate Starts for Fabian_43:

(Start: 1 @26796 has 12 MA's), (5, 26841), (7, 26901), (9, 26910), (10, 26931), (13, 27000), (15, 27015), (17, 27042), (18, 27063), (19, 27072), (21, 27096),

Gene: FlowerPower_46 Start: 26796, Stop: 27107, Start Num: 1

Candidate Starts for FlowerPower_46:

(Start: 1 @26796 has 12 MA's), (5, 26841), (7, 26901), (9, 26910), (10, 26931), (13, 27000), (15, 27015), (17, 27042), (18, 27063), (19, 27072), (21, 27096),

Gene: Geostin_41 Start: 26796, Stop: 27107, Start Num: 1

Candidate Starts for Geostin_41:

(Start: 1 @26796 has 12 MA's), (5, 26841), (7, 26901), (9, 26910), (10, 26931), (13, 27000), (15, 27015), (17, 27042), (18, 27063), (19, 27072), (21, 27096),

Gene: Gremlin23_46 Start: 26796, Stop: 27107, Start Num: 1

Candidate Starts for Gremlin23_46:

(Start: 1 @26796 has 12 MA's), (5, 26841), (7, 26901), (9, 26910), (10, 26931), (13, 27000), (15, 27015), (17, 27042), (18, 27063), (19, 27072), (21, 27096),

Gene: HaugeAnator_47 Start: 27399, Stop: 27731, Start Num: 2

Candidate Starts for HaugeAnator_47:

(Start: 2 @27399 has 9 MA's), (11, 27597), (13, 27624), (14, 27636), (16, 27657), (17, 27666), (19, 27696), (21, 27720),

Gene: Immanuel3_47 Start: 27403, Stop: 27735, Start Num: 2

Candidate Starts for Immanuel3_47:

(Start: 2 @27403 has 9 MA's), (11, 27601), (13, 27628), (14, 27640), (16, 27661), (17, 27670), (19, 27700), (21, 27724),

Gene: JPandJE_48 Start: 27867, Stop: 28199, Start Num: 2

Candidate Starts for JPandJE_48:

(Start: 2 @27867 has 9 MA's), (11, 28065), (13, 28092), (14, 28104), (16, 28125), (17, 28134), (19, 28164), (21, 28188),

Gene: Kumquat_45 Start: 26962, Stop: 27279, Start Num: 1

Candidate Starts for Kumquat_45:

(Start: 1 @26962 has 12 MA's), (3, 26968), (10, 27103), (12, 27166), (14, 27184), (17, 27214), (20, 27247), (21, 27268),

Gene: Manuel_44 Start: 27047, Stop: 27364, Start Num: 1

Candidate Starts for Manuel_44:

(Start: 1 @27047 has 12 MA's), (8, 27158), (10, 27188), (14, 27269), (17, 27299), (19, 27329), (21, 27353),

Gene: Olicious_47 Start: 27399, Stop: 27731, Start Num: 2

Candidate Starts for Olicious_47:

(Start: 2 @27399 has 9 MA's), (11, 27597), (13, 27624), (14, 27636), (16, 27657), (17, 27666), (19, 27696), (21, 27720),

Gene: Percastrophe_47 Start: 27333, Stop: 27665, Start Num: 2

Candidate Starts for Percastrophe_47:

(Start: 2 @27333 has 9 MA's), (11, 27531), (13, 27558), (14, 27570), (16, 27591), (17, 27600), (19, 27630), (21, 27654),

Gene: RetrieverFever_46 Start: 26796, Stop: 27107, Start Num: 1

Candidate Starts for RetrieverFever_46:

(Start: 1 @26796 has 12 MA's), (5, 26841), (7, 26901), (9, 26910), (10, 26931), (13, 27000), (15, 27015), (17, 27042), (18, 27063), (19, 27072), (21, 27096),

Gene: Rideau_48 Start: 26816, Stop: 27133, Start Num: 1

Candidate Starts for Rideau_48:

(Start: 1 @26816 has 12 MA's), (4, 26828), (6, 26882), (9, 26936), (10, 26957), (11, 26999), (16, 27059), (19, 27098), (21, 27122),

Gene: Romero_47 Start: 27392, Stop: 27724, Start Num: 2

Candidate Starts for Romero_47:

(Start: 2 @27392 has 9 MA's), (11, 27590), (13, 27617), (14, 27629), (16, 27650), (17, 27659), (19, 27689), (21, 27713),

Gene: RosePharie_46 Start: 27548, Stop: 27865, Start Num: 1

Candidate Starts for RosePharie_46:

(Start: 1 @27548 has 12 MA's), (8, 27659), (10, 27689), (14, 27770), (17, 27800), (19, 27830), (21, 27854),

Gene: Stella_48 Start: 27529, Stop: 27840, Start Num: 1

Candidate Starts for Stella_48:

(Start: 1 @27529 has 12 MA's), (6, 27589), (9, 27643), (11, 27706), (17, 27775), (21, 27829),

Gene: ToriToki_47 Start: 27395, Stop: 27727, Start Num: 2

Candidate Starts for ToriToki_47:

(Start: 2 @27395 has 9 MA's), (11, 27593), (13, 27620), (14, 27632), (16, 27653), (17, 27662), (19, 27692), (21, 27716),

Gene: Treat_47 Start: 27336, Stop: 27668, Start Num: 2

Candidate Starts for Treat_47:

(Start: 2 @27336 has 9 MA's), (11, 27534), (13, 27561), (14, 27573), (16, 27594), (17, 27603), (19, 27633), (21, 27657),

Gene: Vorvolakos_46 Start: 26795, Stop: 27106, Start Num: 1

Candidate Starts for Vorvolakos_46:

(Start: 1 @26795 has 12 MA's), (5, 26840), (7, 26900), (9, 26909), (10, 26930), (13, 26999), (15, 27014), (17, 27041), (18, 27062), (19, 27071), (21, 27095),

Gene: WRightOn_48 Start: 27118, Stop: 27435, Start Num: 1

Candidate Starts for WRightOn_48:

(Start: 1 @27118 has 12 MA's), (3, 27124), (10, 27259), (12, 27322), (14, 27340), (17, 27370), (20, 27403), (21, 27424),

Gene: Zeigle_45 Start: 26962, Stop: 27279, Start Num: 1

Candidate Starts for Zeigle_45:

(Start: 1 @26962 has 12 MA's), (3, 26968), (10, 27103), (12, 27166), (14, 27184), (17, 27214), (20, 27247), (21, 27268),

Gene: ZooBear_47 Start: 27399, Stop: 27731, Start Num: 2

Candidate Starts for ZooBear_47:

(Start: 2 @27399 has 9 MA's), (11, 27597), (13, 27624), (14, 27636), (16, 27657), (17, 27666), (19, 27696), (21, 27720),