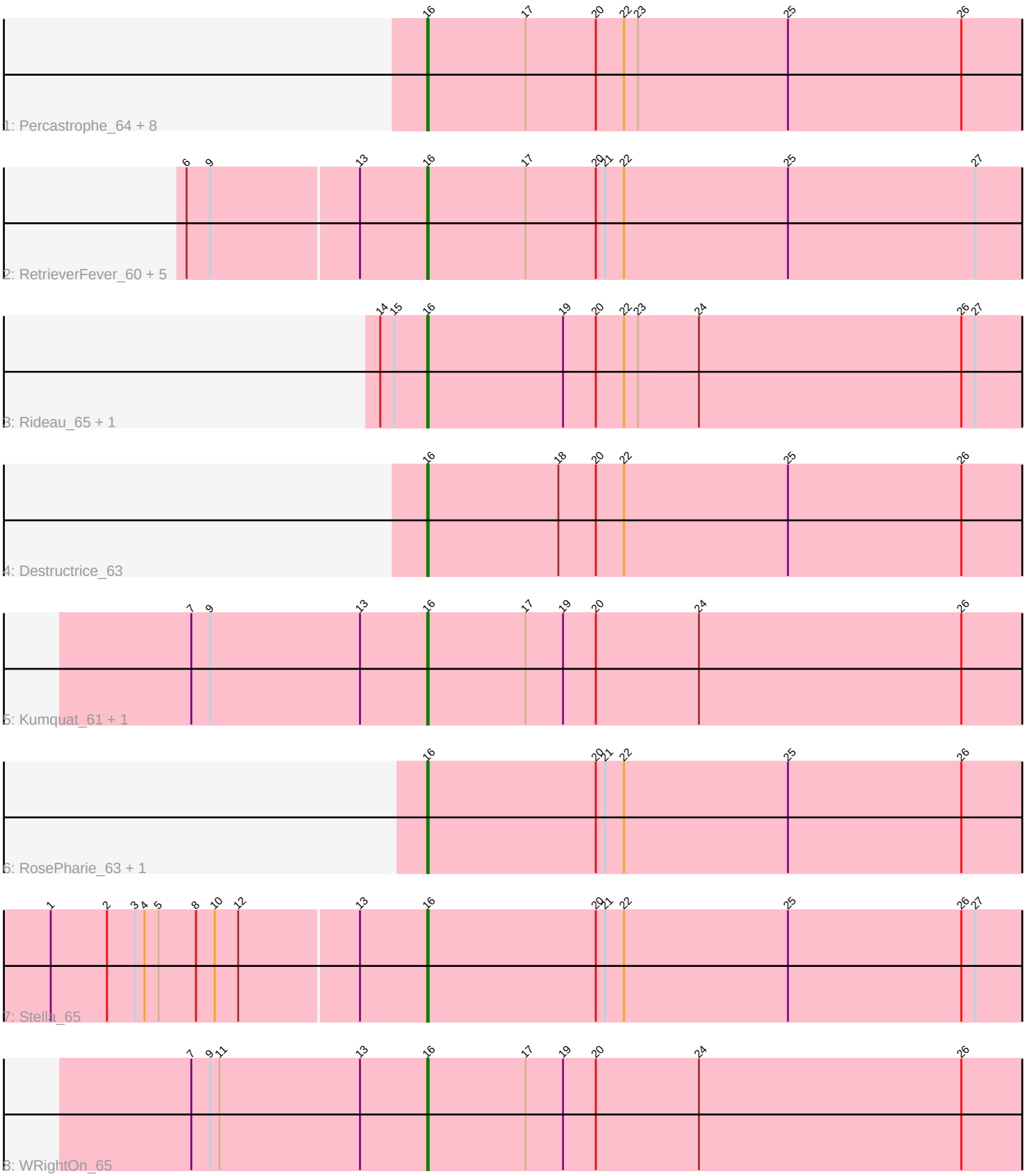
Pham 342503


16
17
20
22
23
25
26
1: Percastrophe_64 + 8
6
9
13
16
17
20
21
22
25
27
2: RetrieverFever_60 + 5
14
15
16
19
20
22
23
24
26
27
3: Rideau_65 + 1
16
18
20
22
25
26
4: Destructrice_63
7
9
13
16
17
19
20
24
26
5: Kumquat_61 + 1
16
20
21
22
25
26
6: RosePharie_63 + 1
1
2
3
4
5
8
10
12
13
16
20
21
22
25
26
27
7: Stella_65
7
9
11
13
16
17
19
20
24
26
8: WRightOn_65

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 342503 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342503 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Percastrophe_64, ZooBear_64, Treat_64, Immanuel3_63, Romero_64, HaugeAnator_64, Olicious_64, JPandJE_64, ToriToki_64
• Track 2 : RetrieverFever_60, FlowerPower_60, Vrykolakas_61, Gremlin23_61, Fabian_58, Geostin_55
• Track 3 : Rideau_65, Dennebes_67
• Track 4 : Destructrice_63
• Track 5 : Kumquat_61, Zeigle_61
• Track 6 : RosePharie_63, Manuel_60
• Track 7 : Stella_65
• Track 8 : WRightOn_65

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

The start number called the most often in the published annotations is 16, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_67, Destructrice_63, Fabian_58, FlowerPower_60, Geostin_55, Gremlin23_61, HaugeAnator_64, Immanuel3_63, JPandJE_64, Kumquat_61, Manuel_60, Olicious_64, Percastrophe_64, RetrieverFever_60, Rideau_65, Romero_64, RosePharie_63, Stella_65, ToriToki_64, Treat_64, Vrykolakas_61, WRightOn_65, Zeigle_61, ZooBear_64,

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 16:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_67 (BF), Destructrice_63 (BF), Fabian_58 (BF), FlowerPower_60 (BF), Geostin_55 (BF), Gremlin23_61 (BF), HaugeAnator_64 (BF), Immanuel3_63 (BF), JPandJE_64 (BF), Kumquat_61 (BF), Manuel_60 (BF), Olicious_64 (BF), Percastrophe_64 (BF), RetrieverFever_60 (BF), Rideau_65 (BF), Romero_64 (BF), RosePharie_63 (BF), Stella_65 (BF), ToriToki_64 (BF), Treat_64 (BF), Vrykolakas_61 (BF), WRightOn_65 (BF), Zeigle_61 (BF), ZooBear_64 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 16 was manually annotated 23 times for cluster BF.

Gene Information:

Gene: Dennebes_67 Start: 33170, Stop: 32739, Start Num: 16
Candidate Starts for Dennebes_67:
(14, 33197), (15, 33188), (Start: 16 @33170 has 23 MA's), (19, 33083), (20, 33062), (22, 33044), (23, 33035), (24, 32996), (26, 32828), (27, 32819),

Gene: Destructrice_63 Start: 33087, Stop: 32656, Start Num: 16
Candidate Starts for Destructrice_63:
(Start: 16 @33087 has 23 MA's), (18, 33003), (20, 32979), (22, 32961), (25, 32856), (26, 32745),

Gene: Fabian_58 Start: 32429, Stop: 31998, Start Num: 16
Candidate Starts for Fabian_58:
(6, 32579), (9, 32564), (13, 32471), (Start: 16 @32429 has 23 MA's), (17, 32366), (20, 32321), (21, 32315), (22, 32303), (25, 32198), (27, 32078),

Gene: FlowerPower_60 Start: 32429, Stop: 31998, Start Num: 16
Candidate Starts for FlowerPower_60:
(6, 32579), (9, 32564), (13, 32471), (Start: 16 @32429 has 23 MA's), (17, 32366), (20, 32321), (21, 32315), (22, 32303), (25, 32198), (27, 32078),

Gene: Geostin_55 Start: 32429, Stop: 31998, Start Num: 16
Candidate Starts for Geostin_55:
(6, 32579), (9, 32564), (13, 32471), (Start: 16 @32429 has 23 MA's), (17, 32366), (20, 32321), (21, 32315), (22, 32303), (25, 32198), (27, 32078),

Gene: Gremlin23_61 Start: 32429, Stop: 31998, Start Num: 16
Candidate Starts for Gremlin23_61:
(6, 32579), (9, 32564), (13, 32471), (Start: 16 @32429 has 23 MA's), (17, 32366), (20, 32321), (21, 32315), (22, 32303), (25, 32198), (27, 32078),

Gene: HaugeAnator_64 Start: 33160, Stop: 32729, Start Num: 16
Candidate Starts for HaugeAnator_64:
(Start: 16 @33160 has 23 MA's), (17, 33097), (20, 33052), (22, 33034), (23, 33025), (25, 32929), (26, 32818),

Gene: Immanuel3_63 Start: 33163, Stop: 32732, Start Num: 16
Candidate Starts for Immanuel3_63:
(Start: 16 @33163 has 23 MA's), (17, 33100), (20, 33055), (22, 33037), (23, 33028), (25, 32932), (26, 32821),

Gene: JPandJE_64 Start: 33679, Stop: 33248, Start Num: 16
Candidate Starts for JPandJE_64:
(Start: 16 @33679 has 23 MA's), (17, 33616), (20, 33571), (22, 33553), (23, 33544), (25, 33448), (26, 33337),

Gene: Kumquat_61 Start: 32401, Stop: 31970, Start Num: 16
Candidate Starts for Kumquat_61:
(7, 32548), (9, 32536), (13, 32440), (Start: 16 @32401 has 23 MA's), (17, 32338), (19, 32314), (20, 32293), (24, 32227), (26, 32059),

Gene: Manuel_60 Start: 32702, Stop: 32271, Start Num: 16
Candidate Starts for Manuel_60:
(Start: 16 @32702 has 23 MA's), (20, 32594), (21, 32588), (22, 32576), (25, 32471), (26, 32360),

Gene: Olicious_64 Start: 33160, Stop: 32729, Start Num: 16
Candidate Starts for Olicious_64:
(Start: 16 @33160 has 23 MA's), (17, 33097), (20, 33052), (22, 33034), (23, 33025), (25, 32929), (26, 32818),

Gene: Percastrophe_64 Start: 33094, Stop: 32663, Start Num: 16
Candidate Starts for Percastrophe_64:
(Start: 16 @33094 has 23 MA's), (17, 33031), (20, 32986), (22, 32968), (23, 32959), (25, 32863), (26, 32752),

Gene: RetrieverFever_60 Start: 32429, Stop: 31998, Start Num: 16
Candidate Starts for RetrieverFever_60:
(6, 32579), (9, 32564), (13, 32471), (Start: 16 @32429 has 23 MA's), (17, 32366), (20, 32321), (21, 32315), (22, 32303), (25, 32198), (27, 32078),

Gene: Rideau_65 Start: 33061, Stop: 32630, Start Num: 16
Candidate Starts for Rideau_65:
(14, 33088), (15, 33079), (Start: 16 @33061 has 23 MA's), (19, 32974), (20, 32953), (22, 32935), (23, 32926), (24, 32887), (26, 32719), (27, 32710),

Gene: Romero_64 Start: 33153, Stop: 32722, Start Num: 16
Candidate Starts for Romero_64:
(Start: 16 @33153 has 23 MA's), (17, 33090), (20, 33045), (22, 33027), (23, 33018), (25, 32922), (26, 32811),

Gene: RosePharie_63 Start: 32763, Stop: 32332, Start Num: 16
Candidate Starts for RosePharie_63:
(Start: 16 @32763 has 23 MA's), (20, 32655), (21, 32649), (22, 32637), (25, 32532), (26, 32421),

Gene: Stella_65 Start: 33536, Stop: 33102, Start Num: 16
Candidate Starts for Stella_65:
(1, 33770), (2, 33734), (3, 33716), (4, 33710), (5, 33701), (8, 33677), (10, 33665), (12, 33650), (13, 33575), (Start: 16 @33536 has 23 MA's), (20, 33428), (21, 33422), (22, 33410), (25, 33305), (26,

33194), (27, 33185),

Gene: ToriToki_64 Start: 33156, Stop: 32725, Start Num: 16
Candidate Starts for ToriToki_64:
(Start: 16 @33156 has 23 MA's), (17, 33093), (20, 33048), (22, 33030), (23, 33021), (25, 32925), (26, 32814),

Gene: Treat_64 Start: 33100, Stop: 32669, Start Num: 16
Candidate Starts for Treat_64:
(Start: 16 @33100 has 23 MA's), (17, 33037), (20, 32992), (22, 32974), (23, 32965), (25, 32869), (26, 32758),

Gene: Vrykolakas_61 Start: 32428, Stop: 31997, Start Num: 16
Candidate Starts for Vrykolakas_61:
(6, 32578), (9, 32563), (13, 32470), (Start: 16 @32428 has 23 MA's), (17, 32365), (20, 32320), (21, 32314), (22, 32302), (25, 32197), (27, 32077),

Gene: WRightOn_65 Start: 32557, Stop: 32126, Start Num: 16
Candidate Starts for WRightOn_65:
(7, 32704), (9, 32692), (11, 32686), (13, 32596), (Start: 16 @32557 has 23 MA's), (17, 32494), (19, 32470), (20, 32449), (24, 32383), (26, 32215),

Gene: Zeigle_61 Start: 32401, Stop: 31970, Start Num: 16
Candidate Starts for Zeigle_61:
(7, 32548), (9, 32536), (13, 32440), (Start: 16 @32401 has 23 MA's), (17, 32338), (19, 32314), (20, 32293), (24, 32227), (26, 32059),

Gene: ZooBear_64 Start: 33160, Stop: 32729, Start Num: 16
Candidate Starts for ZooBear_64:
(Start: 16 @33160 has 23 MA's), (17, 33097), (20, 33052), (22, 33034), (23, 33025), (25, 32929), (26, 32818),