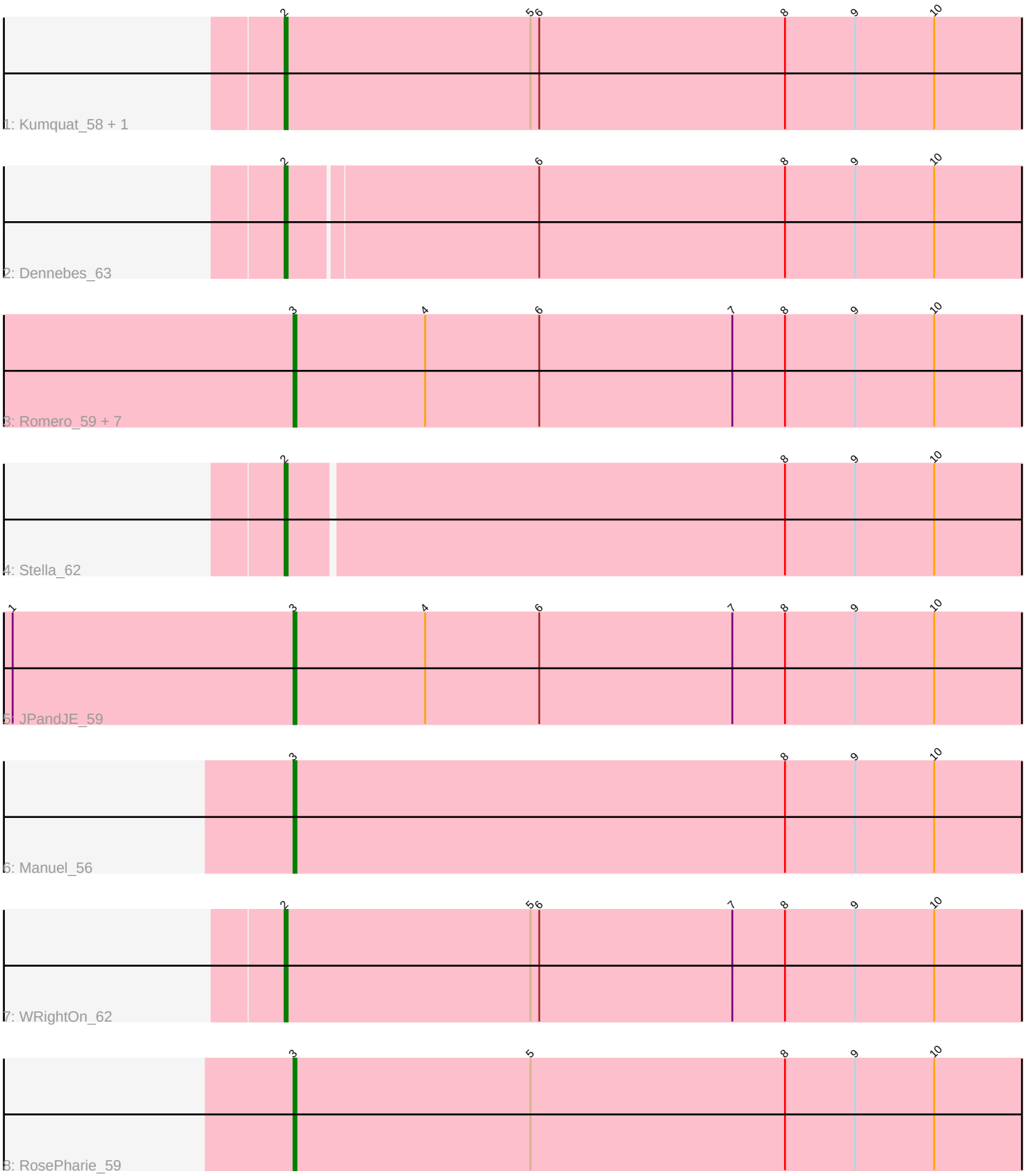
Pham 156736


2
5
6
8
9
10
1: Kumquat_58 + 1
2
6
8
9
10
2: Dennebes_63
3
4
6
7
8
9
10
3: Romero_59 + 7
2
8
9
10
4: Stella_62
1
3
4
6
7
8
9
10
5: JPandJE_59
3
8
9
10
6: Manuel_56
2
5
6
7
8
9
10
7: WRightOn_62
3
5
8
9
10
8: RosePharie_59

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 156736 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156736 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kumquat_58, Zeigle_58
• Track 2 : Dennebes_63
• Track 3 : Romero_59, HaugeAnator_59, Immanuel3_58, Olicious_59, Treat_59, ToriToki_59, ZooBear_59, Percastrophe_59
• Track 4 : Stella_62
• Track 5 : JPandJE_59
• Track 6 : Manuel_56
• Track 7 : WRightOn_62
• Track 8 : RosePharie_59

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HaugeAnator_59, Immanuel3_58, JPandJE_59, Manuel_56, Olicious_59, Percastrophe_59, Romero_59, RosePharie_59, ToriToki_59, Treat_59, ZooBear_59,

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

Genes that do not have the "Most Annotated" start:
• Dennebes_63, Kumquat_58, Stella_62, WRightOn_62, Zeigle_58,

Summary by start number:

Start 2:
• Found in 5 of 16 (31.2%) of genes in pham
• Manual Annotations of this start: 5 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_63 (BF), Kumquat_58 (BF), Stella_62 (BF), WRightOn_62 (BF), Zeigle_58 (BF),

Start 3:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HaugeAnator_59 (BF), Immanuel3_58 (BF), JPandJE_59 (BF), Manuel_56 (BF), Olicious_59 (BF), Percastrophe_59 (BF), Romero_59 (BF), RosePharie_59 (BF), ToriToki_59 (BF), Treat_59 (BF), ZooBear_59 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 2 was manually annotated 5 times for cluster BF.
•Start number 3 was manually annotated 11 times for cluster BF.

Gene Information:

Gene: Dennebes_63 Start: 31377, Stop: 30988, Start Num: 2
Candidate Starts for Dennebes_63:
(Start: 2 @31377 has 5 MA's), (6, 31293), (8, 31209), (9, 31185), (10, 31158),

Gene: HaugeAnator_59 Start: 31216, Stop: 30827, Start Num: 3
Candidate Starts for HaugeAnator_59:
(Start: 3 @31216 has 11 MA's), (4, 31171), (6, 31132), (7, 31066), (8, 31048), (9, 31024), (10, 30997),

Gene: Immanuel3_58 Start: 31219, Stop: 30830, Start Num: 3
Candidate Starts for Immanuel3_58:
(Start: 3 @31219 has 11 MA's), (4, 31174), (6, 31135), (7, 31069), (8, 31051), (9, 31027), (10, 31000),

Gene: JPandJE_59 Start: 31681, Stop: 31292, Start Num: 3
Candidate Starts for JPandJE_59:
(1, 31777), (Start: 3 @31681 has 11 MA's), (4, 31636), (6, 31597), (7, 31531), (8, 31513), (9, 31489), (10, 31462),

Gene: Kumquat_58 Start: 30795, Stop: 30403, Start Num: 2
Candidate Starts for Kumquat_58:
(Start: 2 @30795 has 5 MA's), (5, 30711), (6, 30708), (8, 30624), (9, 30600), (10, 30573),

Gene: Manuel_56 Start: 30975, Stop: 30586, Start Num: 3
Candidate Starts for Manuel_56:
(Start: 3 @30975 has 11 MA's), (8, 30807), (9, 30783), (10, 30756),

Gene: Olicious_59 Start: 31216, Stop: 30827, Start Num: 3
Candidate Starts for Olicious_59:
(Start: 3 @31216 has 11 MA's), (4, 31171), (6, 31132), (7, 31066), (8, 31048), (9, 31024), (10, 30997),

Gene: Percastrophe_59 Start: 31150, Stop: 30761, Start Num: 3
Candidate Starts for Percastrophe_59:
(Start: 3 @31150 has 11 MA's), (4, 31105), (6, 31066), (7, 31000), (8, 30982), (9, 30958), (10, 30931),

Gene: Romero_59 Start: 31209, Stop: 30820, Start Num: 3
Candidate Starts for Romero_59:
(Start: 3 @31209 has 11 MA's), (4, 31164), (6, 31125), (7, 31059), (8, 31041), (9, 31017), (10, 30990),

Gene: RosePharie_59 Start: 31033, Stop: 30644, Start Num: 3
Candidate Starts for RosePharie_59:
(Start: 3 @31033 has 11 MA's), (5, 30952), (8, 30865), (9, 30841), (10, 30814),

Gene: Stella_62 Start: 31845, Stop: 31456, Start Num: 2
Candidate Starts for Stella_62:
(Start: 2 @31845 has 5 MA's), (8, 31677), (9, 31653), (10, 31626),

Gene: ToriToki_59 Start: 31212, Stop: 30823, Start Num: 3
Candidate Starts for ToriToki_59:
(Start: 3 @31212 has 11 MA's), (4, 31167), (6, 31128), (7, 31062), (8, 31044), (9, 31020), (10, 30993),

Gene: Treat_59 Start: 31153, Stop: 30764, Start Num: 3
Candidate Starts for Treat_59:
(Start: 3 @31153 has 11 MA's), (4, 31108), (6, 31069), (7, 31003), (8, 30985), (9, 30961), (10, 30934),

Gene: WRightOn_62 Start: 30951, Stop: 30559, Start Num: 2
Candidate Starts for WRightOn_62:
(Start: 2 @30951 has 5 MA's), (5, 30867), (6, 30864), (7, 30798), (8, 30780), (9, 30756), (10, 30729),

Gene: Zeigle_58 Start: 30795, Stop: 30403, Start Num: 2
Candidate Starts for Zeigle_58:
(Start: 2 @30795 has 5 MA's), (5, 30711), (6, 30708), (8, 30624), (9, 30600), (10, 30573),

Gene: ZooBear_59 Start: 31216, Stop: 30827, Start Num: 3
Candidate Starts for ZooBear_59:
(Start: 3 @31216 has 11 MA's), (4, 31171), (6, 31132), (7, 31066), (8, 31048), (9, 31024), (10, 30997),