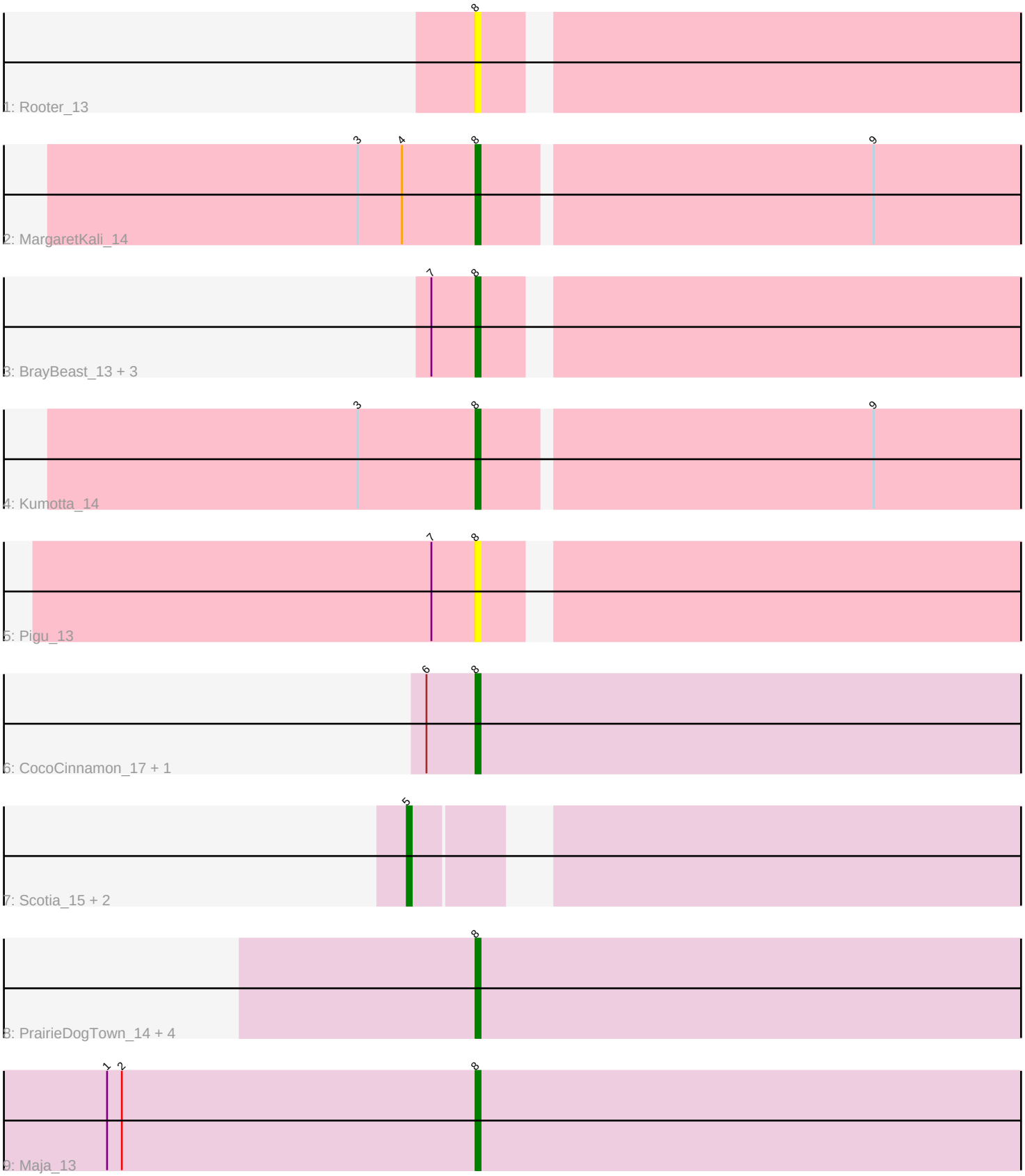
Pham 309360


8
1: Rooter_13
3
4
8
9
2: MargaretKali_14
7
8
3: BrayBeast_13 + 3
3
8
9
4: Kumotta_14
7
8
5: Pigu_13
6
8
6: CocoCinnamon_17 + 1
5
7: Scotia_15 + 2
8
8: PrairieDogTown_14 + 4
1
2
8
9: Maja_13

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 309360 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309360 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Rooter_13
• Track 2 : MargaretKali_14
• Track 3 : BrayBeast_13, Sarge_13, Shoya_12, JeanClaude_13
• Track 4 : Kumotta_14
• Track 5 : Pigu_13
• Track 6 : CocoCinnamon_17, Alatato_12
• Track 7 : Scotia_15, NoSwimming_15, JanetJ_14
• Track 8 : PrairieDogTown_14, Morrey_21, EvenBluerMoon_14, Aoka_14, Hereford_15
• Track 9 : Maja_13

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

The start number called the most often in the published annotations is 8, it was called in 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_12, Aoka_14, BrayBeast_13, CocoCinnamon_17, EvenBluerMoon_14, Hereford_15, JeanClaude_13, Kumotta_14, Maja_13, MargaretKali_14, Morrey_21, Pigu_13, PrairieDogTown_14, Rooter_13, Sarge_13, Shoya_12,

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

Genes that do not have the "Most Annotated" start:
• JanetJ_14, NoSwimming_15, Scotia_15,

Summary by start number:

Start 5:
• Found in 3 of 19 (15.8%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: JanetJ_14 (FO), NoSwimming_15 (FO), Scotia_15 (FO),

Start 8:
• Found in 16 of 19 (84.2%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_12 (FB), Aoka_14 (FO), BrayBeast_13 (FB), CocoCinnamon_17 (FO), EvenBluerMoon_14 (FO), Hereford_15 (FO), JeanClaude_13 (FB), Kumotta_14 (FB), Maja_13 (FO), MargaretKali_14 (FB), Morrey_21 (FO), Pigu_13 (FB), PrairieDogTown_14 (FO), Rooter_13 (FB), Sarge_13 (FB), Shoya_12 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: FB, FO,

Info for manual annotations of cluster FB:
•Start number 8 was manually annotated 6 times for cluster FB.

Info for manual annotations of cluster FO:
•Start number 5 was manually annotated 3 times for cluster FO.
•Start number 8 was manually annotated 6 times for cluster FO.

Gene Information:

Gene: Alatato_12 Start: 8345, Stop: 8488, Start Num: 8
Candidate Starts for Alatato_12:
(6, 8336), (Start: 8 @8345 has 12 MA's),

Gene: Aoka_14 Start: 9874, Stop: 10032, Start Num: 8
Candidate Starts for Aoka_14:
(Start: 8 @9874 has 12 MA's),

Gene: BrayBeast_13 Start: 8750, Stop: 8893, Start Num: 8
Candidate Starts for BrayBeast_13:
(7, 8741), (Start: 8 @8750 has 12 MA's),

Gene: CocoCinnamon_17 Start: 10087, Stop: 10236, Start Num: 8
Candidate Starts for CocoCinnamon_17:
(6, 10078), (Start: 8 @10087 has 12 MA's),

Gene: EvenBluerMoon_14 Start: 9909, Stop: 10067, Start Num: 8
Candidate Starts for EvenBluerMoon_14:
(Start: 8 @9909 has 12 MA's),

Gene: Hereford_15 Start: 10054, Stop: 10206, Start Num: 8
Candidate Starts for Hereford_15:
(Start: 8 @10054 has 12 MA's),

Gene: JanetJ_14 Start: 9676, Stop: 9840, Start Num: 5

Candidate Starts for JanetJ_14:
(Start: 5 @9676 has 3 MA's),

Gene: JeanClaude_13 Start: 8657, Stop: 8800, Start Num: 8
Candidate Starts for JeanClaude_13:
(7, 8648), (Start: 8 @8657 has 12 MA's),

Gene: Kumotta_14 Start: 9594, Stop: 9743, Start Num: 8
Candidate Starts for Kumotta_14:
(3, 9570), (Start: 8 @9594 has 12 MA's), (9, 9672),

Gene: Maja_13 Start: 9218, Stop: 9367, Start Num: 8
Candidate Starts for Maja_13:
(1, 9143), (2, 9146), (Start: 8 @9218 has 12 MA's),

Gene: MargaretKali_14 Start: 9229, Stop: 9378, Start Num: 8
Candidate Starts for MargaretKali_14:
(3, 9205), (4, 9214), (Start: 8 @9229 has 12 MA's), (9, 9307),

Gene: Morrey_21 Start: 9911, Stop: 10069, Start Num: 8
Candidate Starts for Morrey_21:
(Start: 8 @9911 has 12 MA's),

Gene: NoSwimming_15 Start: 10849, Stop: 11022, Start Num: 5
Candidate Starts for NoSwimming_15:
(Start: 5 @10849 has 3 MA's),

Gene: Pigu_13 Start: 8303, Stop: 8446, Start Num: 8
Candidate Starts for Pigu_13:
(7, 8294), (Start: 8 @8303 has 12 MA's),

Gene: PrairieDogTown_14 Start: 9911, Stop: 10069, Start Num: 8
Candidate Starts for PrairieDogTown_14:
(Start: 8 @9911 has 12 MA's),

Gene: Rooter_13 Start: 8294, Stop: 8437, Start Num: 8
Candidate Starts for Rooter_13:
(Start: 8 @8294 has 12 MA's),

Gene: Sarge_13 Start: 8661, Stop: 8804, Start Num: 8
Candidate Starts for Sarge_13:
(7, 8652), (Start: 8 @8661 has 12 MA's),

Gene: Scotia_15 Start: 10849, Stop: 11022, Start Num: 5
Candidate Starts for Scotia_15:
(Start: 5 @10849 has 3 MA's),

Gene: Shoya_12 Start: 8297, Stop: 8440, Start Num: 8
Candidate Starts for Shoya_12:
(7, 8288), (Start: 8 @8297 has 12 MA's),