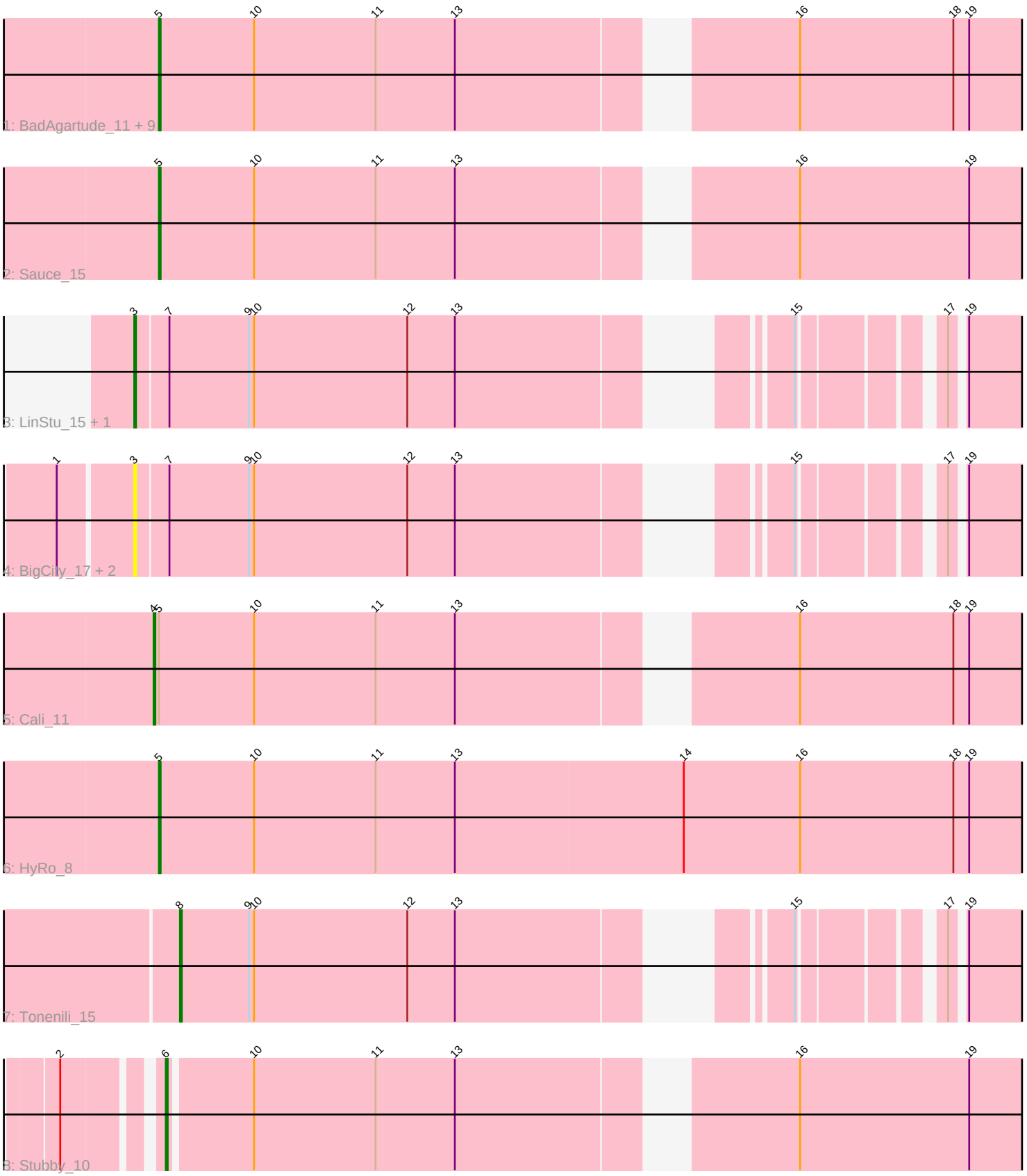
Pham 160759


5
10
11
13
16
18
19
1: BadAgartude_11 + 9
5
10
11
13
16
19
2: Sauce_15
3
7
9
10
12
13
15
17
19
3: LinStu_15 + 1
1
3
7
9
10
12
13
15
17
19
4: BigCity_17 + 2
5
10
11
13
16
18
19
5: Cali_11
5
10
11
13
14
16
18
19
6: HyRo_8
8
9
10
12
13
15
17
19
7: Tonenili_15
2
6
10
11
13
16
19
8: Stubby_10

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 160759 Report

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

Pham number 160759 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BadAgartude_11, Koguma_11, Phox_11, CharlieB_10, Halldule_11, DTDevon_14, BeanWater_10, LRRHood_11, Shaqnato_11, FoxtrotP1_12
• Track 2 : Sauce_15
• Track 3 : LinStu_15, Sebata_15
• Track 4 : BigCity_17, EggyFarm_17, Grasshills_17
• Track 5 : Cali_11
• Track 6 : HyRo_8
• Track 7 : Tonenili_15
• Track 8 : Stubby_10

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 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BadAgartude_11, BeanWater_10, CharlieB_10, DTDevon_14, FoxtrotP1_12, Halldule_11, HyRo_8, Koguma_11, LRRHood_11, Phox_11, Sauce_15, Shaqnato_11,

Genes that have the "Most Annotated" start but do not call it:
• Cali_11,

Genes that do not have the "Most Annotated" start:
• BigCity_17, EggyFarm_17, Grasshills_17, LinStu_15, Sebata_15, Stubby_10, Tonenili_15,

Summary by start number:

Start 3:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BigCity_17 (C1), EggyFarm_17 (C1), Grasshills_17 (C1), LinStu_15 (C1), Sebata_15 (C1),

Start 4:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cali_11 (C1),

Start 5:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 92.3% of time when present
• Phage (with cluster) where this start called: BadAgartude_11 (C1), BeanWater_10 (C1), CharlieB_10 (C1), DTDevon_14 (C1), FoxtrotP1_12 (C1), Halldule_11 (C1), HyRo_8 (C1), Koguma_11 (C1), LRRHood_11 (C1), Phox_11 (C1), Sauce_15 (C1), Shaqnato_11 (C1),

Start 6:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stubby_10 (C1),

Start 8:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonenili_15 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 3 was manually annotated 2 times for cluster C1.
•Start number 4 was manually annotated 1 time for cluster C1.
•Start number 5 was manually annotated 11 times for cluster C1.
•Start number 6 was manually annotated 1 time for cluster C1.
•Start number 8 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: BadAgartude_11 Start: 3618, Stop: 4166, Start Num: 5
Candidate Starts for BadAgartude_11:
(Start: 5 @3618 has 11 MA's), (10, 3672), (11, 3741), (13, 3786), (16, 3951), (18, 4038), (19, 4047),

Gene: BeanWater_10 Start: 4425, Stop: 4973, Start Num: 5
Candidate Starts for BeanWater_10:
(Start: 5 @4425 has 11 MA's), (10, 4479), (11, 4548), (13, 4593), (16, 4758), (18, 4845), (19, 4854),

Gene: BigCity_17 Start: 6116, Stop: 6589, Start Num: 3
Candidate Starts for BigCity_17:
(1, 6077), (Start: 3 @6116 has 2 MA's), (7, 6134), (9, 6179), (10, 6182), (12, 6269), (13, 6296), (15, 6437), (17, 6503), (19, 6509),

Gene: Cali_11 Start: 4579, Stop: 5130, Start Num: 4
Candidate Starts for Cali_11:
(Start: 4 @4579 has 1 MA's), (Start: 5 @4582 has 11 MA's), (10, 4636), (11, 4705), (13, 4750), (16, 4915), (18, 5002), (19, 5011),

Gene: CharlieB_10 Start: 3443, Stop: 3991, Start Num: 5
Candidate Starts for CharlieB_10:
(Start: 5 @3443 has 11 MA's), (10, 3497), (11, 3566), (13, 3611), (16, 3776), (18, 3863), (19, 3872),

Gene: DTDevon_14 Start: 4459, Stop: 5028, Start Num: 5
Candidate Starts for DTDevon_14:
(Start: 5 @4459 has 11 MA's), (10, 4513), (11, 4582), (13, 4627), (16, 4792), (18, 4879), (19, 4888),

Gene: EggyFarm_17 Start: 6116, Stop: 6589, Start Num: 3
Candidate Starts for EggyFarm_17:
(1, 6077), (Start: 3 @6116 has 2 MA's), (7, 6134), (9, 6179), (10, 6182), (12, 6269), (13, 6296), (15, 6437), (17, 6503), (19, 6509),

Gene: FoxtrotP1_12 Start: 4489, Stop: 5037, Start Num: 5
Candidate Starts for FoxtrotP1_12:
(Start: 5 @4489 has 11 MA's), (10, 4543), (11, 4612), (13, 4657), (16, 4822), (18, 4909), (19, 4918),

Gene: Grasshills_17 Start: 6116, Stop: 6589, Start Num: 3
Candidate Starts for Grasshills_17:
(1, 6077), (Start: 3 @6116 has 2 MA's), (7, 6134), (9, 6179), (10, 6182), (12, 6269), (13, 6296), (15, 6437), (17, 6503), (19, 6509),

Gene: Halldule_11 Start: 3597, Stop: 4145, Start Num: 5
Candidate Starts for Halldule_11:
(Start: 5 @3597 has 11 MA's), (10, 3651), (11, 3720), (13, 3765), (16, 3930), (18, 4017), (19, 4026),

Gene: HyRo_8 Start: 3742, Stop: 4320, Start Num: 5
Candidate Starts for HyRo_8:
(Start: 5 @3742 has 11 MA's), (10, 3796), (11, 3865), (13, 3910), (14, 4039), (16, 4105), (18, 4192), (19, 4201),

Gene: Koguma_11 Start: 3597, Stop: 4145, Start Num: 5
Candidate Starts for Koguma_11:
(Start: 5 @3597 has 11 MA's), (10, 3651), (11, 3720), (13, 3765), (16, 3930), (18, 4017), (19, 4026),

Gene: LRRHood_11 Start: 4582, Stop: 5130, Start Num: 5
Candidate Starts for LRRHood_11:
(Start: 5 @4582 has 11 MA's), (10, 4636), (11, 4705), (13, 4750), (16, 4915), (18, 5002), (19, 5011),

Gene: LinStu_15 Start: 5242, Stop: 5715, Start Num: 3
Candidate Starts for LinStu_15:
(Start: 3 @5242 has 2 MA's), (7, 5260), (9, 5305), (10, 5308), (12, 5395), (13, 5422), (15, 5563), (17, 5629), (19, 5635),

Gene: Phox_11 Start: 4579, Stop: 5127, Start Num: 5
Candidate Starts for Phox_11:
(Start: 5 @4579 has 11 MA's), (10, 4633), (11, 4702), (13, 4747), (16, 4912), (18, 4999), (19, 5008),

Gene: Sauce_15 Start: 4833, Stop: 5342, Start Num: 5
Candidate Starts for Sauce_15:
(Start: 5 @4833 has 11 MA's), (10, 4887), (11, 4956), (13, 5001), (16, 5166), (19, 5262),

Gene: Sebata_15 Start: 5242, Stop: 5715, Start Num: 3
Candidate Starts for Sebata_15:
(Start: 3 @5242 has 2 MA's), (7, 5260), (9, 5305), (10, 5308), (12, 5395), (13, 5422), (15, 5563), (17, 5629), (19, 5635),

Gene: Shaqnato_11 Start: 3597, Stop: 4145, Start Num: 5
Candidate Starts for Shaqnato_11:
(Start: 5 @3597 has 11 MA's), (10, 3651), (11, 3720), (13, 3765), (16, 3930), (18, 4017), (19, 4026),

Gene: Stubby_10 Start: 4034, Stop: 4534, Start Num: 6
Candidate Starts for Stubby_10:
(2, 3989), (Start: 6 @4034 has 1 MA's), (10, 4079), (11, 4148), (13, 4193), (16, 4358), (19, 4454),

Gene: Tonenili_15 Start: 4513, Stop: 4962, Start Num: 8
Candidate Starts for Tonenili_15:
(Start: 8 @4513 has 1 MA's), (9, 4552), (10, 4555), (12, 4642), (13, 4669), (15, 4810), (17, 4876), (19, 4882),