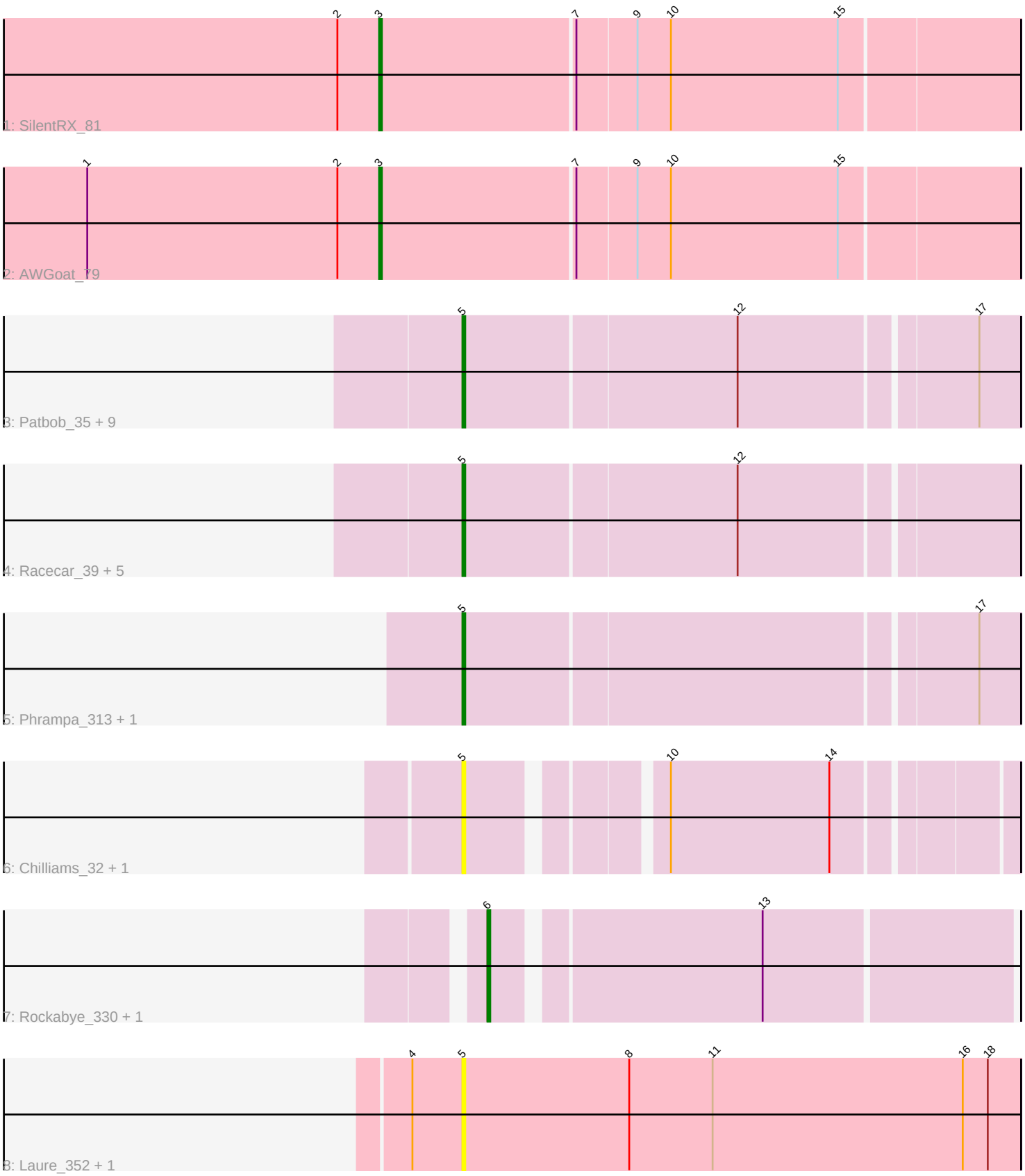
Pham 344312


2
3
7
9
10
15
1: SilentRX_81
1
2
3
7
9
10
15
2: AWGoat_79
5
12
17
3: Patbob_35 + 9
5
12
4: Racecar_39 + 5
5
17
5: Phrampa_313 + 1
5
10
14
6: Chilliams_32 + 1
6
13
7: Rockabye_330 + 1
4
5
8
11
16
18
8: Laure_352 + 1

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 344312 Report

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

Pham number 344312 has 26 members, 6 are drafts.

Phages represented in each track:
• Track 1 : SilentRX_81
• Track 2 : AWGoat_79
• Track 3 : Patbob_35, Patbob_321, Bloom_42, GoldenEssence_303, FloraSnap32_33, FrostedClock_37, FloraSnap32_316, GoldenEssence_22, Bloom_329, FrostedClock_320
• Track 4 : Racecar_39, Talia1610_38, Mimi_38, Mimi_323, Racecar_328, Talia1610_324
• Track 5 : Phrampa_313, Phrampa_29
• Track 6 : Chilliams_32, Chilliams_323
• Track 7 : Rockabye_330, Rockabye_33
• Track 8 : Laure_352, Laure_34

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 16 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_329, Bloom_42, Chilliams_32, Chilliams_323, FloraSnap32_316, FloraSnap32_33, FrostedClock_320, FrostedClock_37, GoldenEssence_22, GoldenEssence_303, Laure_34, Laure_352, Mimi_323, Mimi_38, Patbob_321, Patbob_35, Phrampa_29, Phrampa_313, Racecar_328, Racecar_39, Talia1610_324, Talia1610_38,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_79, Rockabye_33, Rockabye_330, SilentRX_81,

Summary by start number:

Start 3:
• Found in 2 of 26 (7.7%) of genes in pham

• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_79 (AP4), SilentRX_81 (AP4),

Start 5:
• Found in 22 of 26 (84.6%) of genes in pham
• Manual Annotations of this start: 16 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_329 (FC), Bloom_42 (FC), Chilliams_32 (FC), Chilliams_323 (FC), FloraSnap32_316 (FC), FloraSnap32_33 (FC), FrostedClock_320 (FC), FrostedClock_37 (FC), GoldenEssence_22 (FC), GoldenEssence_303 (FC), Laure_34 (UNK), Laure_352 (UNK), Mimi_323 (FC), Mimi_38 (FC), Patbob_321 (FC), Patbob_35 (FC), Phrampa_29 (FC), Phrampa_313 (FC), Racecar_328 (FC), Racecar_39 (FC), Talia1610_324 (FC), Talia1610_38 (FC),

Start 6:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rockabye_33 (FC), Rockabye_330 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: UNK, FC, AP4,

Info for manual annotations of cluster AP4:
•Start number 3 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 16 times for cluster FC.
•Start number 6 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: AWGoat_79 Start: 54884, Stop: 54660, Start Num: 3
Candidate Starts for AWGoat_79:
(1, 54989), (2, 54899), (Start: 3 @54884 has 2 MA's), (7, 54815), (9, 54794), (10, 54782), (15, 54722),

Gene: Bloom_42 Start: 17322, Stop: 17513, Start Num: 5
Candidate Starts for Bloom_42:
(Start: 5 @17322 has 16 MA's), (12, 17418), (17, 17499),

Gene: Bloom_329 Start: 190797, Stop: 190988, Start Num: 5
Candidate Starts for Bloom_329:
(Start: 5 @190797 has 16 MA's), (12, 190893), (17, 190974),

Gene: Chilliams_32 Start: 14747, Stop: 14923, Start Num: 5
Candidate Starts for Chilliams_32:
(Start: 5 @14747 has 16 MA's), (10, 14807), (14, 14864),

Gene: Chilliams_323 Start: 187481, Stop: 187657, Start Num: 5
Candidate Starts for Chilliams_323:
(Start: 5 @187481 has 16 MA's), (10, 187541), (14, 187598),

Gene: FloraSnap32_33 Start: 14873, Stop: 15064, Start Num: 5
Candidate Starts for FloraSnap32_33:
(Start: 5 @14873 has 16 MA's), (12, 14969), (17, 15050),

Gene: FloraSnap32_316 Start: 189011, Stop: 189202, Start Num: 5
Candidate Starts for FloraSnap32_316:
(Start: 5 @189011 has 16 MA's), (12, 189107), (17, 189188),

Gene: FrostedClock_37 Start: 16595, Stop: 16786, Start Num: 5
Candidate Starts for FrostedClock_37:
(Start: 5 @16595 has 16 MA's), (12, 16691), (17, 16772),

Gene: FrostedClock_320 Start: 190395, Stop: 190586, Start Num: 5
Candidate Starts for FrostedClock_320:
(Start: 5 @190395 has 16 MA's), (12, 190491), (17, 190572),

Gene: GoldenEssence_303 Start: 180794, Stop: 180985, Start Num: 5
Candidate Starts for GoldenEssence_303:
(Start: 5 @180794 has 16 MA's), (12, 180890), (17, 180971),

Gene: GoldenEssence_22 Start: 10241, Stop: 10432, Start Num: 5
Candidate Starts for GoldenEssence_22:
(Start: 5 @10241 has 16 MA's), (12, 10337), (17, 10418),

Gene: Laure_352 Start: 183333, Stop: 183533, Start Num: 5
Candidate Starts for Laure_352:
(4, 183315), (Start: 5 @183333 has 16 MA's), (8, 183393), (11, 183423), (16, 183513), (18, 183522),

Gene: Laure_34 Start: 14985, Stop: 15185, Start Num: 5
Candidate Starts for Laure_34:
(4, 14967), (Start: 5 @14985 has 16 MA's), (8, 15045), (11, 15075), (16, 15165), (18, 15174),

Gene: Mimi_38 Start: 16490, Stop: 16681, Start Num: 5
Candidate Starts for Mimi_38:
(Start: 5 @16490 has 16 MA's), (12, 16586),

Gene: Mimi_323 Start: 189150, Stop: 189341, Start Num: 5
Candidate Starts for Mimi_323:
(Start: 5 @189150 has 16 MA's), (12, 189246),

Gene: Patbob_35 Start: 16058, Stop: 16249, Start Num: 5
Candidate Starts for Patbob_35:
(Start: 5 @16058 has 16 MA's), (12, 16154), (17, 16235),

Gene: Patbob_321 Start: 191517, Stop: 191708, Start Num: 5
Candidate Starts for Patbob_321:
(Start: 5 @191517 has 16 MA's), (12, 191613), (17, 191694),

Gene: Phrampa_313 Start: 189701, Stop: 189892, Start Num: 5

Candidate Starts for Phrampa_313:
(Start: 5 @189701 has 16 MA's), (17, 189878),

Gene: Phrampa_29 Start: 13330, Stop: 13521, Start Num: 5
Candidate Starts for Phrampa_29:
(Start: 5 @13330 has 16 MA's), (17, 13507),

Gene: Racecar_39 Start: 17090, Stop: 17281, Start Num: 5
Candidate Starts for Racecar_39:
(Start: 5 @17090 has 16 MA's), (12, 17186),

Gene: Racecar_328 Start: 190799, Stop: 190990, Start Num: 5
Candidate Starts for Racecar_328:
(Start: 5 @190799 has 16 MA's), (12, 190895),

Gene: Rockabye_330 Start: 187929, Stop: 188105, Start Num: 6
Candidate Starts for Rockabye_330:
(Start: 6 @187929 has 2 MA's), (13, 188019),

Gene: Rockabye_33 Start: 15316, Stop: 15492, Start Num: 6
Candidate Starts for Rockabye_33:
(Start: 6 @15316 has 2 MA's), (13, 15406),

Gene: SilentRX_81 Start: 55756, Stop: 55532, Start Num: 3
Candidate Starts for SilentRX_81:
(2, 55771), (Start: 3 @55756 has 2 MA's), (7, 55687), (9, 55666), (10, 55654), (15, 55594),

Gene: Talia1610_38 Start: 16508, Stop: 16699, Start Num: 5
Candidate Starts for Talia1610_38:
(Start: 5 @16508 has 16 MA's), (12, 16604),

Gene: Talia1610_324 Start: 190980, Stop: 191171, Start Num: 5
Candidate Starts for Talia1610_324:
(Start: 5 @190980 has 16 MA's), (12, 191076),