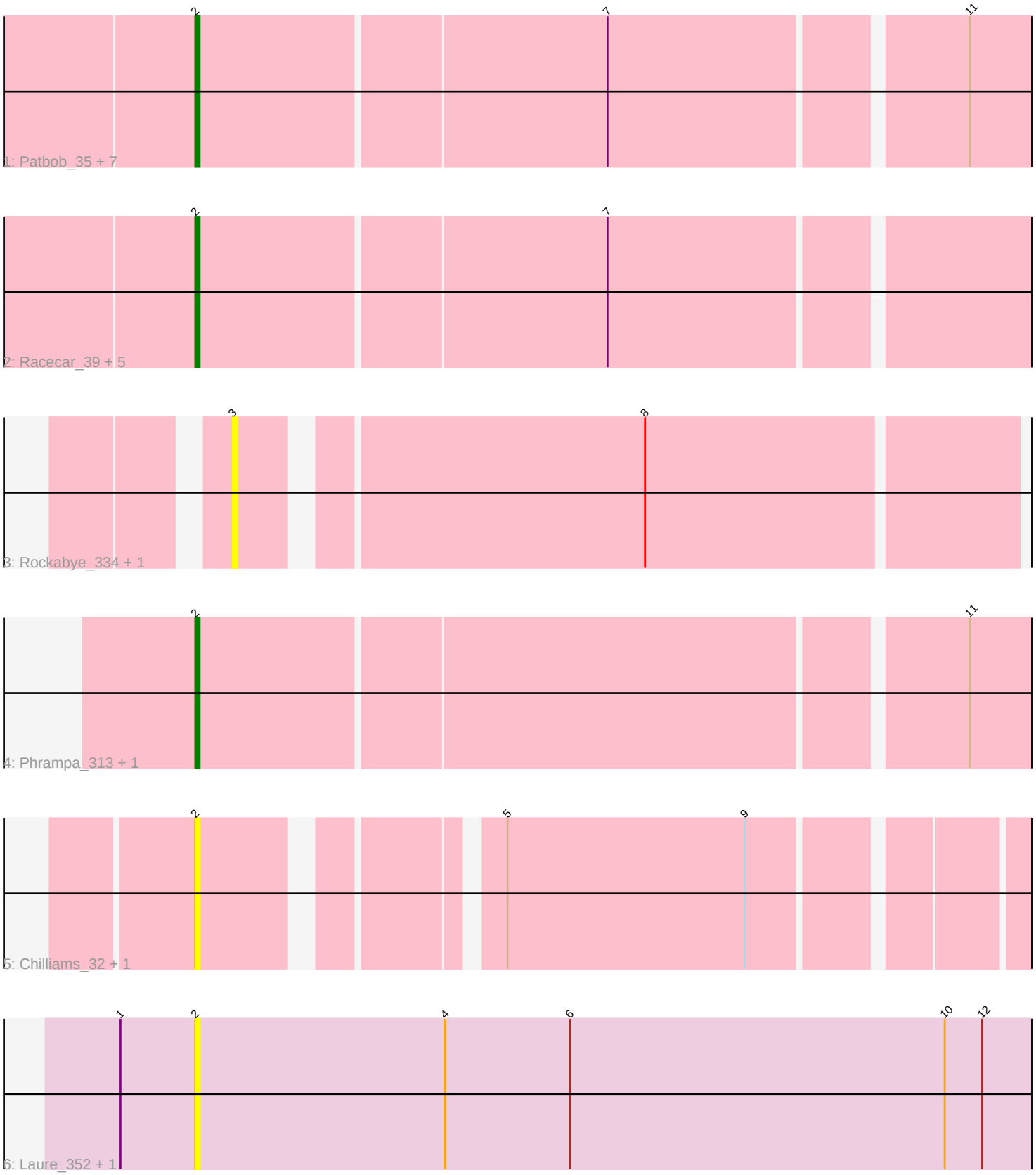
Pham 298797


2
7
11
1: Patbob_35 + 7
2
7
2: Racecar_39 + 5
3
8
3: Rockabye_334 + 1
2
11
4: Phrampa_313 + 1
2
5
9
5: Chilliams_32 + 1
1
2
4
6
10
12
6: 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 298797 Report

This analysis was run 06/08/26 on database version 649.

Pham number 298797 has 22 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Patbob_35, FrostedClock_41, Bloom_42, FloraSnap32_33, FrostedClock_326, FloraSnap32_318, Bloom_329, Patbob_321
• Track 2 : Racecar_39, Talia1610_38, Mimi_38, Mimi_323, Racecar_328, Talia1610_324
• Track 3 : Rockabye_334, Rockabye_35
• Track 4 : Phrampa_313, Phrampa_29
• Track 5 : Chilliams_32, Chilliams_323
• Track 6 : 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 2, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_329, Bloom_42, Chilliams_32, Chilliams_323, FloraSnap32_318, FloraSnap32_33, FrostedClock_326, FrostedClock_41, 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:
• Rockabye_334, Rockabye_35,

Summary by start number:

Start 2:
• Found in 20 of 22 (90.9%) of genes in pham
• Manual Annotations of this start: 10 of 10
• 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_318 (FC), FloraSnap32_33

(FC), FrostedClock_326 (FC), FrostedClock_41 (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 3:
• Found in 2 of 22 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rockabye_334 (FC), Rockabye_35 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 10 times for cluster FC.

Gene Information:

Gene: Bloom_42 Start: 17322, Stop: 17513, Start Num: 2
Candidate Starts for Bloom_42:
(Start: 2 @17322 has 10 MA's), (7, 17418), (11, 17499),

Gene: Bloom_329 Start: 190797, Stop: 190988, Start Num: 2
Candidate Starts for Bloom_329:
(Start: 2 @190797 has 10 MA's), (7, 190893), (11, 190974),

Gene: Chilliams_32 Start: 14747, Stop: 14923, Start Num: 2
Candidate Starts for Chilliams_32:
(Start: 2 @14747 has 10 MA's), (5, 14807), (9, 14864),

Gene: Chilliams_323 Start: 187481, Stop: 187657, Start Num: 2
Candidate Starts for Chilliams_323:
(Start: 2 @187481 has 10 MA's), (5, 187541), (9, 187598),

Gene: FloraSnap32_33 Start: 14873, Stop: 15064, Start Num: 2
Candidate Starts for FloraSnap32_33:
(Start: 2 @14873 has 10 MA's), (7, 14969), (11, 15050),

Gene: FloraSnap32_318 Start: 189011, Stop: 189202, Start Num: 2
Candidate Starts for FloraSnap32_318:
(Start: 2 @189011 has 10 MA's), (7, 189107), (11, 189188),

Gene: FrostedClock_41 Start: 16595, Stop: 16786, Start Num: 2
Candidate Starts for FrostedClock_41:
(Start: 2 @16595 has 10 MA's), (7, 16691), (11, 16772),

Gene: FrostedClock_326 Start: 190395, Stop: 190586, Start Num: 2
Candidate Starts for FrostedClock_326:

(Start: 2 @190395 has 10 MA's), (7, 190491), (11, 190572),

Gene: Laure_352 Start: 183333, Stop: 183533, Start Num: 2
Candidate Starts for Laure_352:
(1, 183315), (Start: 2 @183333 has 10 MA's), (4, 183393), (6, 183423), (10, 183513), (12, 183522),

Gene: Laure_34 Start: 14985, Stop: 15185, Start Num: 2
Candidate Starts for Laure_34:
(1, 14967), (Start: 2 @14985 has 10 MA's), (4, 15045), (6, 15075), (10, 15165), (12, 15174),

Gene: Mimi_38 Start: 16490, Stop: 16681, Start Num: 2
Candidate Starts for Mimi_38:
(Start: 2 @16490 has 10 MA's), (7, 16586),

Gene: Mimi_323 Start: 189150, Stop: 189341, Start Num: 2
Candidate Starts for Mimi_323:
(Start: 2 @189150 has 10 MA's), (7, 189246),

Gene: Patbob_35 Start: 16058, Stop: 16249, Start Num: 2
Candidate Starts for Patbob_35:
(Start: 2 @16058 has 10 MA's), (7, 16154), (11, 16235),

Gene: Patbob_321 Start: 191517, Stop: 191708, Start Num: 2
Candidate Starts for Patbob_321:
(Start: 2 @191517 has 10 MA's), (7, 191613), (11, 191694),

Gene: Phrampa_313 Start: 189701, Stop: 189892, Start Num: 2
Candidate Starts for Phrampa_313:
(Start: 2 @189701 has 10 MA's), (11, 189878),

Gene: Phrampa_29 Start: 13330, Stop: 13521, Start Num: 2
Candidate Starts for Phrampa_29:
(Start: 2 @13330 has 10 MA's), (11, 13507),

Gene: Racecar_39 Start: 17090, Stop: 17281, Start Num: 2
Candidate Starts for Racecar_39:
(Start: 2 @17090 has 10 MA's), (7, 17186),

Gene: Racecar_328 Start: 190799, Stop: 190990, Start Num: 2
Candidate Starts for Racecar_328:
(Start: 2 @190799 has 10 MA's), (7, 190895),

Gene: Rockabye_334 Start: 187929, Stop: 188105, Start Num: 3
Candidate Starts for Rockabye_334:
(3, 187929), (8, 188019),

Gene: Rockabye_35 Start: 15316, Stop: 15492, Start Num: 3
Candidate Starts for Rockabye_35:
(3, 15316), (8, 15406),

Gene: Talia1610_38 Start: 16508, Stop: 16699, Start Num: 2
Candidate Starts for Talia1610_38:
(Start: 2 @16508 has 10 MA's), (7, 16604),

Gene: Talia1610_324 Start: 190980, Stop: 191171, Start Num: 2
Candidate Starts for Talia1610_324:
(Start: 2 @190980 has 10 MA's), (7, 191076),