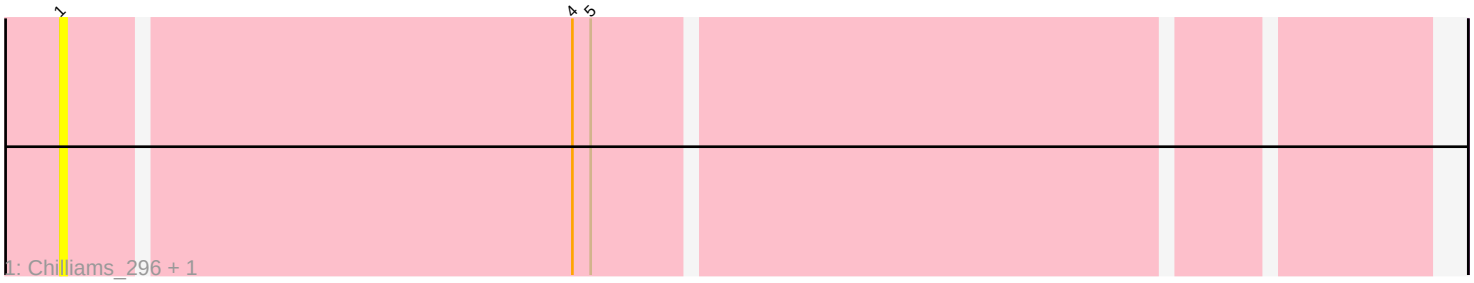
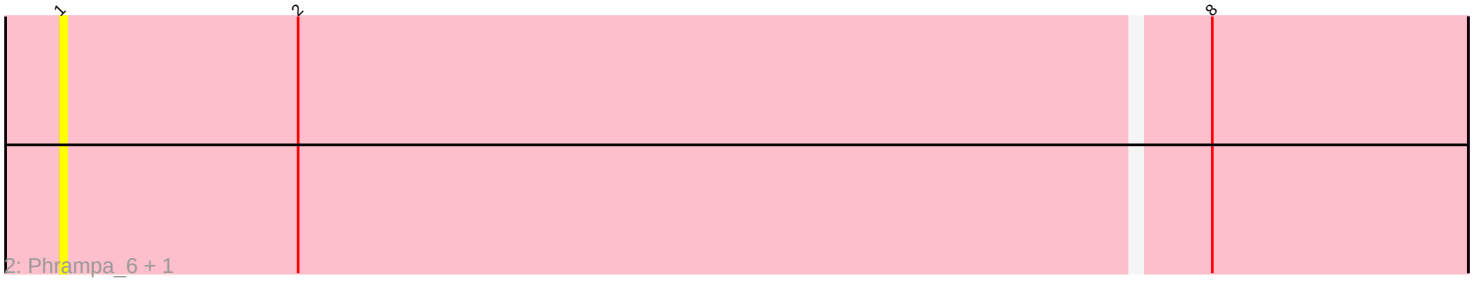
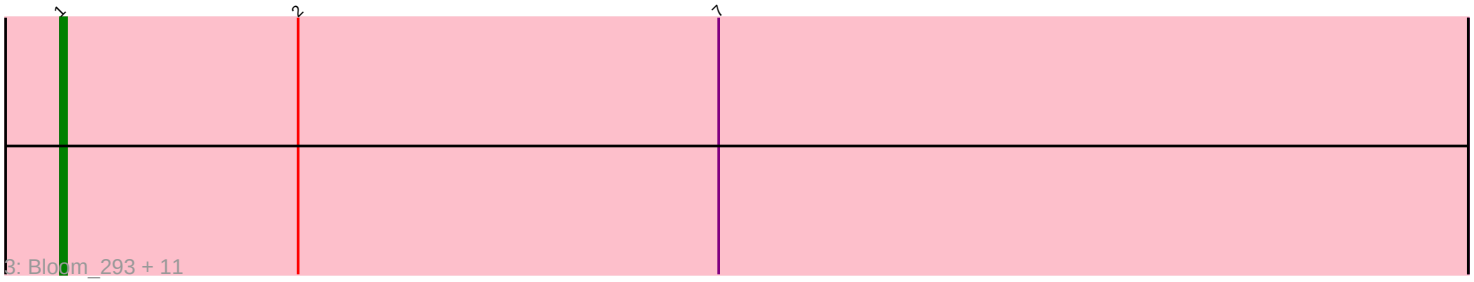
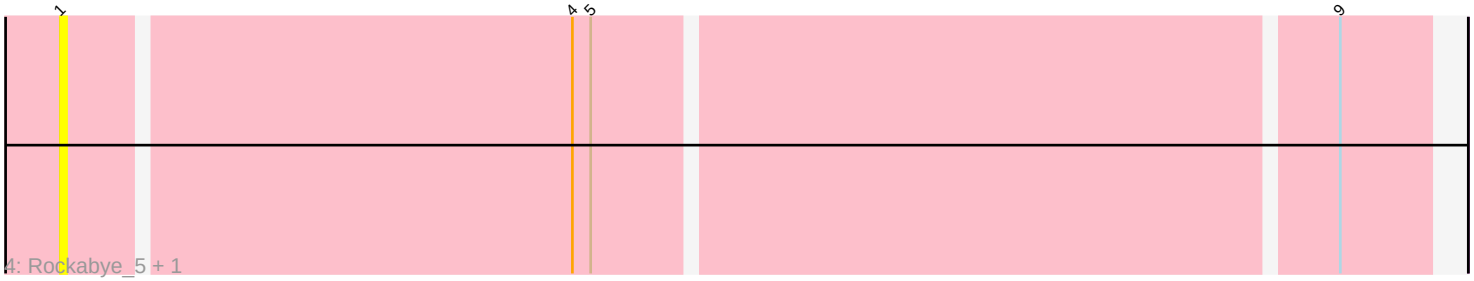
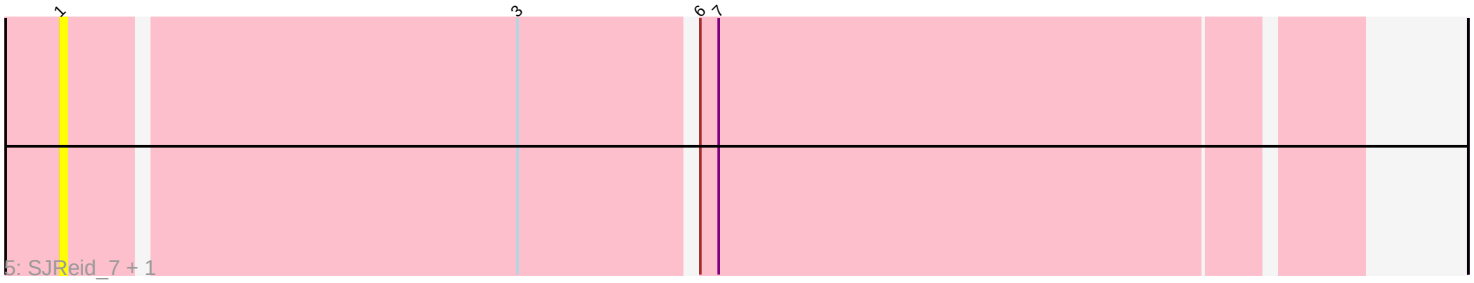
Pham 203332


1
4
5
1: Chilliams_296 + 1


1
2
8
2: Phrampa_6 + 1


1
2
7
3: Bloom_293 + 11


1
4
5
9
4: Rockabye_5 + 1


1
3
6
7
5: SJReid_7 + 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 203332 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203332 has 20 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Chilliams_296, Chilliams_5
• Track 2 : Phrampa_6, Phrampa_291
• Track 3 : Bloom_293, Mimi_296, GoldenEssence_6, Bloom_6, Talia1610_6, GoldenEssence_288, Racecar_6, Patbob_6, Patbob_296, Mimi_6, Talia1610_292, Racecar_295
• Track 4 : Rockabye_5, Rockabye_304
• Track 5 : SJReid_7, SJReid_318

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_293, Bloom_6, Chilliams_296, Chilliams_5, GoldenEssence_288, GoldenEssence_6, Mimi_296, Mimi_6, Patbob_296, Patbob_6, Phrampa_291, Phrampa_6, Racecar_295, Racecar_6, Rockabye_304, Rockabye_5, SJReid_318, SJReid_7, Talia1610_292, Talia1610_6,

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

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

Summary by start number:

Start 1:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_293 (FC), Bloom_6 (FC), Chilliams_296 (FC), Chilliams_5 (FC), GoldenEssence_288 (FC), GoldenEssence_6 (FC), Mimi_296 (FC), Mimi_6 (FC), Patbob_296 (FC), Patbob_6 (FC), Phrampa_291

(FC), Phrampa_6 (FC), Racecar_295 (FC), Racecar_6 (FC), Rockabye_304 (FC), Rockabye_5 (FC), SJReid_318 (FC), SJReid_7 (FC), Talia1610_292 (FC), Talia1610_6 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Bloom_293 Start: 177165, Stop: 177395, Start Num: 1
Candidate Starts for Bloom_293:
(Start: 1 @177165 has 4 MA's), (2, 177204), (7, 177273),

Gene: Bloom_6 Start: 3690, Stop: 3920, Start Num: 1
Candidate Starts for Bloom_6:
(Start: 1 @3690 has 4 MA's), (2, 3729), (7, 3798),

Gene: Chilliams_296 Start: 176141, Stop: 176353, Start Num: 1
Candidate Starts for Chilliams_296:
(Start: 1 @176141 has 4 MA's), (4, 176222), (5, 176225),

Gene: Chilliams_5 Start: 3407, Stop: 3619, Start Num: 1
Candidate Starts for Chilliams_5:
(Start: 1 @3407 has 4 MA's), (4, 3488), (5, 3491),

Gene: GoldenEssence_6 Start: 3684, Stop: 3914, Start Num: 1
Candidate Starts for GoldenEssence_6:
(Start: 1 @3684 has 4 MA's), (2, 3723), (7, 3792),

Gene: GoldenEssence_288 Start: 174237, Stop: 174467, Start Num: 1
Candidate Starts for GoldenEssence_288:
(Start: 1 @174237 has 4 MA's), (2, 174276), (7, 174345),

Gene: Mimi_296 Start: 176286, Stop: 176516, Start Num: 1
Candidate Starts for Mimi_296:
(Start: 1 @176286 has 4 MA's), (2, 176325), (7, 176394),

Gene: Mimi_6 Start: 3626, Stop: 3856, Start Num: 1
Candidate Starts for Mimi_6:
(Start: 1 @3626 has 4 MA's), (2, 3665), (7, 3734),

Gene: Patbob_6 Start: 3732, Stop: 3962, Start Num: 1
Candidate Starts for Patbob_6:
(Start: 1 @3732 has 4 MA's), (2, 3771), (7, 3840),

Gene: Patbob_296 Start: 179191, Stop: 179421, Start Num: 1
Candidate Starts for Patbob_296:

(Start: 1 @179191 has 4 MA's), (2, 179230), (7, 179299),

Gene: Phrampa_6 Start: 3743, Stop: 3970, Start Num: 1
Candidate Starts for Phrampa_6:
(Start: 1 @3743 has 4 MA's), (2, 3782), (8, 3929),

Gene: Phrampa_291 Start: 180114, Stop: 180341, Start Num: 1
Candidate Starts for Phrampa_291:
(Start: 1 @180114 has 4 MA's), (2, 180153), (8, 180300),

Gene: Racecar_6 Start: 3687, Stop: 3917, Start Num: 1
Candidate Starts for Racecar_6:
(Start: 1 @3687 has 4 MA's), (2, 3726), (7, 3795),

Gene: Racecar_295 Start: 177396, Stop: 177626, Start Num: 1
Candidate Starts for Racecar_295:
(Start: 1 @177396 has 4 MA's), (2, 177435), (7, 177504),

Gene: Rockabye_5 Start: 3638, Stop: 3853, Start Num: 1
Candidate Starts for Rockabye_5:
(Start: 1 @3638 has 4 MA's), (4, 3719), (5, 3722), (9, 3839),

Gene: Rockabye_304 Start: 176251, Stop: 176466, Start Num: 1
Candidate Starts for Rockabye_304:
(Start: 1 @176251 has 4 MA's), (4, 176332), (5, 176335), (9, 176452),

Gene: SJReid_7 Start: 3910, Stop: 4113, Start Num: 1
Candidate Starts for SJReid_7:
(Start: 1 @3910 has 4 MA's), (3, 3982), (6, 4009), (7, 4012),

Gene: SJReid_318 Start: 176749, Stop: 176952, Start Num: 1
Candidate Starts for SJReid_318:
(Start: 1 @176749 has 4 MA's), (3, 176821), (6, 176848), (7, 176851),

Gene: Talia1610_6 Start: 3641, Stop: 3871, Start Num: 1
Candidate Starts for Talia1610_6:
(Start: 1 @3641 has 4 MA's), (2, 3680), (7, 3749),

Gene: Talia1610_292 Start: 178113, Stop: 178343, Start Num: 1
Candidate Starts for Talia1610_292:
(Start: 1 @178113 has 4 MA's), (2, 178152), (7, 178221),