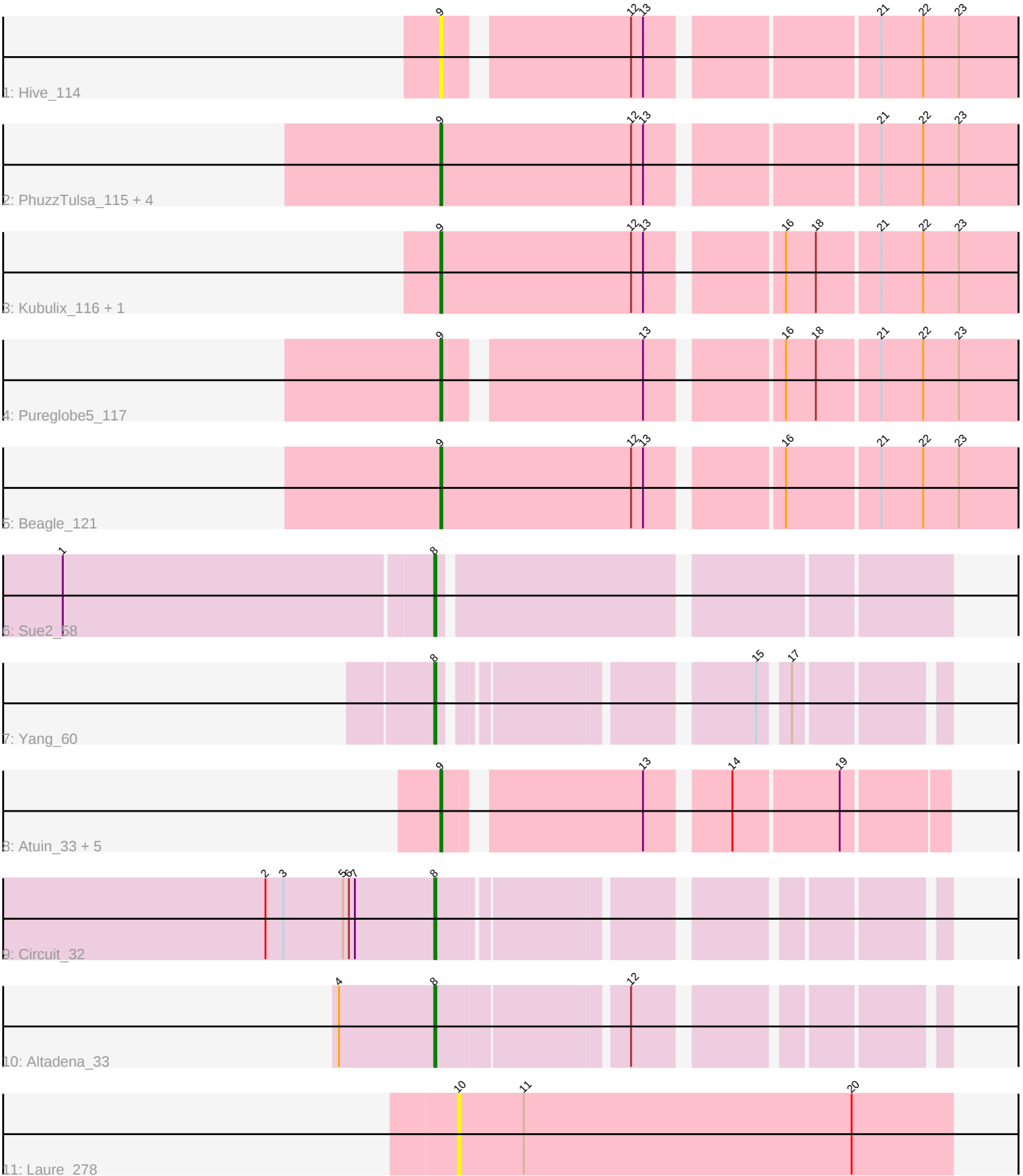


Pham 278605



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 278605 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278605 has 21 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Hive_114
- Track 2 : PhuzzTulsa_115, DogYard_115, BetaFish_117, Odyssey395_115, Pointis_112
- Track 3 : Kubulix_116, Popstraw_112
- Track 4 : Pureglobe5_117
- Track 5 : Beagle_121
- Track 6 : Sue2_58
- Track 7 : Yang_60
- Track 8 : Atuin_33, LeoJr_349, ReginaGlobina_36, Atuin_333, ReginaGlobina_347, LeoJr_36
- Track 9 : Circuit_32
- Track 10 : Altadena_33
- Track 11 : Laure_278

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_33, Atuin_333, Beagle_121, BetaFish_117, DogYard_115, Hive_114, Kubulix_116, LeoJr_349, LeoJr_36, Odyssey395_115, PhuzzTulsa_115, Pointis_112, Popstraw_112, Pureglobe5_117, ReginaGlobina_347, ReginaGlobina_36,

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

-

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

- Altadena_33, Circuit_32, Laure_278, Sue2_58, Yang_60,

Summary by start number:

Start 8:

- Found in 4 of 21 (19.0%) of genes in pham

- Manual Annotations of this start: 4 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_33 (FH), Circuit_32 (FH), Sue2_58 (AZ1), Yang_60 (AZ1),

Start 9:

- Found in 16 of 21 (76.2%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_33 (FC), Atuin_333 (FC), Beagle_121 (AP2), BetaFish_117 (AP2), DogYard_115 (AP2), Hive_114 (AP2), Kubulix_116 (AP2), LeoJr_349 (FC), LeoJr_36 (FC), Odyssey395_115 (AP2), PhuzzTulsa_115 (AP2), Pointis_112 (AP2), Popstraw_112 (AP2), Pureglobe5_117 (AP2), ReginaGlobina_347 (FC), ReginaGlobina_36 (FC),

Start 10:

- Found in 1 of 21 (4.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Laure_278 (UNK),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AZ1, UNK, FC, FH,

Info for manual annotations of cluster AP2:

- Start number 9 was manually annotated 6 times for cluster AP2.

Info for manual annotations of cluster AZ1:

- Start number 8 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster FC:

- Start number 9 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FH:

- Start number 8 was manually annotated 2 times for cluster FH.

Gene Information:

Gene: Altadena_33 Start: 26239, Stop: 26463, Start Num: 8

Candidate Starts for Altadena_33:

(4, 26191), (Start: 8 @26239 has 4 MA's), (12, 26329),

Gene: Atuin_33 Start: 15048, Stop: 14821, Start Num: 9

Candidate Starts for Atuin_33:

(Start: 9 @15048 has 8 MA's), (13, 14958), (14, 14922), (19, 14871),

Gene: Atuin_333 Start: 191936, Stop: 191709, Start Num: 9

Candidate Starts for Atuin_333:

(Start: 9 @191936 has 8 MA's), (13, 191846), (14, 191810), (19, 191759),

Gene: Beagle_121 Start: 67097, Stop: 66804, Start Num: 9

Candidate Starts for Beagle_121:

(Start: 9 @67097 has 8 MA's), (12, 67001), (13, 66995), (16, 66935), (21, 66890), (22, 66869), (23, 66851),

Gene: BetaFish_117 Start: 66769, Stop: 66488, Start Num: 9

Candidate Starts for BetaFish_117:

(Start: 9 @66769 has 8 MA's), (12, 66685), (13, 66679), (21, 66574), (22, 66553), (23, 66535),

Gene: Circuit_32 Start: 27481, Stop: 27702, Start Num: 8

Candidate Starts for Circuit_32:

(2, 27397), (3, 27406), (5, 27436), (6, 27439), (7, 27442), (Start: 8 @27481 has 4 MA's),

Gene: DogYard_115 Start: 65735, Stop: 65454, Start Num: 9

Candidate Starts for DogYard_115:

(Start: 9 @65735 has 8 MA's), (12, 65651), (13, 65645), (21, 65540), (22, 65519), (23, 65501),

Gene: Hive_114 Start: 65716, Stop: 65435, Start Num: 9

Candidate Starts for Hive_114:

(Start: 9 @65716 has 8 MA's), (12, 65632), (13, 65626), (21, 65521), (22, 65500), (23, 65482),

Gene: Kubulix_116 Start: 65426, Stop: 65133, Start Num: 9

Candidate Starts for Kubulix_116:

(Start: 9 @65426 has 8 MA's), (12, 65330), (13, 65324), (16, 65264), (18, 65249), (21, 65219), (22, 65198), (23, 65180),

Gene: Laure_278 Start: 154456, Stop: 154704, Start Num: 10

Candidate Starts for Laure_278:

(10, 154456), (11, 154489), (20, 154654),

Gene: LeoJr_349 Start: 192530, Stop: 192303, Start Num: 9

Candidate Starts for LeoJr_349:

(Start: 9 @192530 has 8 MA's), (13, 192440), (14, 192404), (19, 192353),

Gene: LeoJr_36 Start: 15227, Stop: 15000, Start Num: 9

Candidate Starts for LeoJr_36:

(Start: 9 @15227 has 8 MA's), (13, 15137), (14, 15101), (19, 15050),

Gene: Odyssey395_115 Start: 65425, Stop: 65144, Start Num: 9

Candidate Starts for Odyssey395_115:

(Start: 9 @65425 has 8 MA's), (12, 65341), (13, 65335), (21, 65230), (22, 65209), (23, 65191),

Gene: PhuzzTulsa_115 Start: 66046, Stop: 65753, Start Num: 9

Candidate Starts for PhuzzTulsa_115:

(Start: 9 @66046 has 8 MA's), (12, 65950), (13, 65944), (21, 65839), (22, 65818), (23, 65800),

Gene: Pointis_112 Start: 65324, Stop: 65043, Start Num: 9

Candidate Starts for Pointis_112:

(Start: 9 @65324 has 8 MA's), (12, 65240), (13, 65234), (21, 65129), (22, 65108), (23, 65090),

Gene: Popstraw_112 Start: 65662, Stop: 65369, Start Num: 9

Candidate Starts for Popstraw_112:

(Start: 9 @65662 has 8 MA's), (12, 65566), (13, 65560), (16, 65500), (18, 65485), (21, 65455), (22, 65434), (23, 65416),

Gene: Pureglobe5_117 Start: 66354, Stop: 66073, Start Num: 9

Candidate Starts for Pureglobe5_117:

(Start: 9 @66354 has 8 MA's), (13, 66264), (16, 66204), (18, 66189), (21, 66159), (22, 66138), (23, 66120),

Gene: ReginaGlobina_36 Start: 15541, Stop: 15314, Start Num: 9

Candidate Starts for ReginaGlobina_36:

(Start: 9 @15541 has 8 MA's), (13, 15451), (14, 15415), (19, 15364),

Gene: ReginaGlobina_347 Start: 192988, Stop: 192761, Start Num: 9

Candidate Starts for ReginaGlobina_347:

(Start: 9 @192988 has 8 MA's), (13, 192898), (14, 192862), (19, 192811),

Gene: Sue2_58 Start: 39309, Stop: 39548, Start Num: 8

Candidate Starts for Sue2_58:

(1, 39126), (Start: 8 @39309 has 4 MA's),

Gene: Yang_60 Start: 40616, Stop: 40831, Start Num: 8

Candidate Starts for Yang_60:

(Start: 8 @40616 has 4 MA's), (15, 40751), (17, 40763),