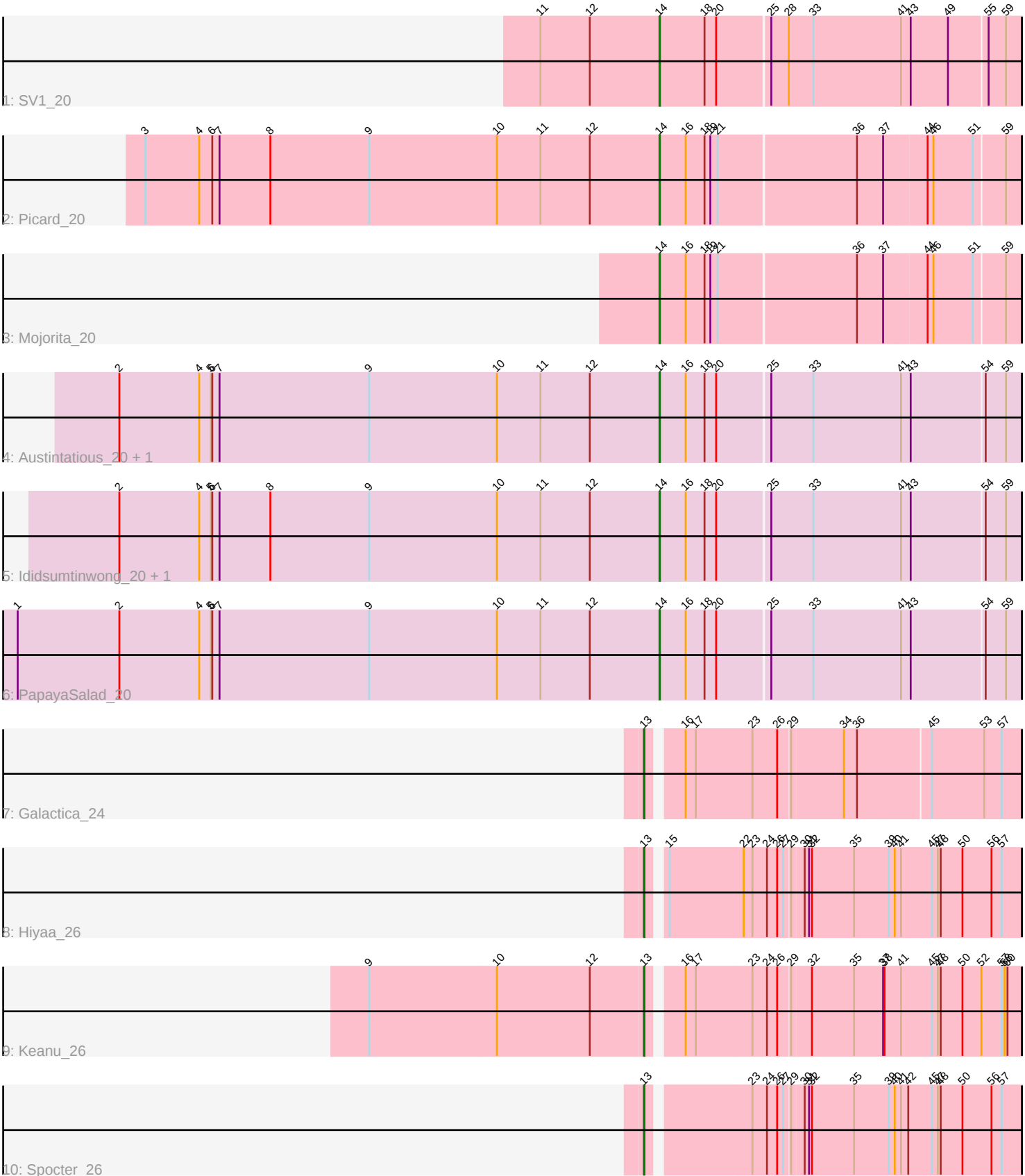


Pham 278758



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 278758 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 278758 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SV1_20
- Track 2 : Picard_20
- Track 3 : Mojerita_20
- Track 4 : Austintatious_20, Lishka_20
- Track 5 : Ididsumtinwong_20, Bioscum_20
- Track 6 : PapayaSalad_20
- Track 7 : Galactica_24
- Track 8 : Hiyaa_26
- Track 9 : Keanu_26
- Track 10 : Spocter_26

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

The start number called the most often in the published annotations is 14, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Austintatious_20, Bioscum_20, Ididsumtinwong_20, Lishka_20, Mojerita_20, PapayaSalad_20, Picard_20, SV1_20,

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

-

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

- Galactica_24, Hiyaa_26, Keanu_26, Spocter_26,

Summary by start number:

Start 13:

- Found in 4 of 12 (33.3%) 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: Galactica_24 (BQ), Hiyaa_26 (BQ), Keanu_26 (BQ), Spocter_26 (BQ),

Start 14:

- Found in 8 of 12 (66.7%) 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: Austintatious_20 (BC3), Bioscum_20 (BC3), Ididsumtinwong_20 (BC3), Lishka_20 (BC3), Mojourita_20 (BC1), PapayaSalad_20 (BC3), Picard_20 (BC1), SV1_20 (BC1),

Summary by clusters:

There are 3 clusters represented in this pham: BC1, BQ, BC3,

Info for manual annotations of cluster BC1:

- Start number 14 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC3:

- Start number 14 was manually annotated 5 times for cluster BC3.

Info for manual annotations of cluster BQ:

- Start number 13 was manually annotated 4 times for cluster BQ.

Gene Information:

Gene: Austintatious_20 Start: 15331, Stop: 16053, Start Num: 14

Candidate Starts for Austintatious_20:

(2, 14215), (4, 14380), (5, 14404), (6, 14407), (7, 14422), (9, 14731), (10, 14995), (11, 15085), (12, 15187), (Start: 14 @15331 has 8 MA's), (16, 15385), (18, 15424), (20, 15448), (25, 15553), (33, 15640), (41, 15820), (43, 15838), (54, 15979), (59, 16021),

Gene: Bioscum_20 Start: 15367, Stop: 16089, Start Num: 14

Candidate Starts for Bioscum_20:

(2, 14251), (4, 14416), (5, 14440), (6, 14443), (7, 14458), (8, 14563), (9, 14767), (10, 15031), (11, 15121), (12, 15223), (Start: 14 @15367 has 8 MA's), (16, 15421), (18, 15460), (20, 15484), (25, 15589), (33, 15676), (41, 15856), (43, 15874), (54, 16015), (59, 16057),

Gene: Galactica_24 Start: 21220, Stop: 21954, Start Num: 13

Candidate Starts for Galactica_24:

(Start: 13 @21220 has 4 MA's), (16, 21280), (17, 21301), (23, 21415), (26, 21466), (29, 21490), (34, 21595), (36, 21622), (45, 21769), (53, 21877), (57, 21913),

Gene: Hiyaa_26 Start: 22261, Stop: 23001, Start Num: 13

Candidate Starts for Hiyaa_26:

(Start: 13 @22261 has 4 MA's), (15, 22288), (22, 22438), (23, 22456), (24, 22486), (26, 22507), (27, 22519), (29, 22531), (30, 22555), (31, 22564), (32, 22570), (35, 22657), (39, 22729), (40, 22741), (41, 22753), (45, 22816), (47, 22828), (48, 22834), (50, 22879), (56, 22939), (57, 22960),

Gene: Ididsumtinwong_20 Start: 15367, Stop: 16089, Start Num: 14

Candidate Starts for Ididsumtinwong_20:

(2, 14251), (4, 14416), (5, 14440), (6, 14443), (7, 14458), (8, 14563), (9, 14767), (10, 15031), (11, 15121), (12, 15223), (Start: 14 @15367 has 8 MA's), (16, 15421), (18, 15460), (20, 15484), (25, 15589), (33, 15676), (41, 15856), (43, 15874), (54, 16015), (59, 16057),

Gene: Keanu_26 Start: 22296, Stop: 23036, Start Num: 13

Candidate Starts for Keanu_26:

(9, 21735), (10, 21996), (12, 22188), (Start: 13 @22296 has 4 MA's), (16, 22356), (17, 22377), (23, 22491), (24, 22521), (26, 22542), (29, 22566), (32, 22605), (35, 22692), (37, 22752), (38, 22755), (41, 22788), (45, 22851), (47, 22863), (48, 22869), (50, 22914), (52, 22953), (57, 22995), (58, 23001), (60, 23007),

Gene: Lishka_20 Start: 15331, Stop: 16053, Start Num: 14

Candidate Starts for Lishka_20:

(2, 14215), (4, 14380), (5, 14404), (6, 14407), (7, 14422), (9, 14731), (10, 14995), (11, 15085), (12, 15187), (Start: 14 @15331 has 8 MA's), (16, 15385), (18, 15424), (20, 15448), (25, 15553), (33, 15640), (41, 15820), (43, 15838), (54, 15979), (59, 16021),

Gene: Mojerita_20 Start: 15469, Stop: 16191, Start Num: 14

Candidate Starts for Mojerita_20:

(Start: 14 @15469 has 8 MA's), (16, 15523), (18, 15562), (19, 15574), (21, 15589), (36, 15868), (37, 15922), (44, 16006), (46, 16018), (51, 16099), (59, 16159),

Gene: PapayaSalad_20 Start: 15342, Stop: 16064, Start Num: 14

Candidate Starts for PapayaSalad_20:

(1, 14016), (2, 14226), (4, 14391), (5, 14415), (6, 14418), (7, 14433), (9, 14742), (10, 15006), (11, 15096), (12, 15198), (Start: 14 @15342 has 8 MA's), (16, 15396), (18, 15435), (20, 15459), (25, 15564), (33, 15651), (41, 15831), (43, 15849), (54, 15990), (59, 16032),

Gene: Picard_20 Start: 15463, Stop: 16185, Start Num: 14

Candidate Starts for Picard_20:

(3, 14401), (4, 14512), (6, 14539), (7, 14554), (8, 14659), (9, 14863), (10, 15127), (11, 15217), (12, 15319), (Start: 14 @15463 has 8 MA's), (16, 15517), (18, 15556), (19, 15568), (21, 15583), (36, 15862), (37, 15916), (44, 16000), (46, 16012), (51, 16093), (59, 16153),

Gene: SV1_20 Start: 15575, Stop: 16297, Start Num: 14

Candidate Starts for SV1_20:

(11, 15329), (12, 15431), (Start: 14 @15575 has 8 MA's), (18, 15668), (20, 15692), (25, 15797), (28, 15833), (33, 15884), (41, 16064), (43, 16082), (49, 16154), (55, 16229), (59, 16265),

Gene: Spocter_26 Start: 22249, Stop: 22989, Start Num: 13

Candidate Starts for Spocter_26:

(Start: 13 @22249 has 4 MA's), (23, 22444), (24, 22474), (26, 22495), (27, 22507), (29, 22519), (30, 22543), (31, 22552), (32, 22558), (35, 22645), (39, 22717), (40, 22729), (41, 22741), (42, 22756), (45, 22804), (47, 22816), (48, 22822), (50, 22867), (56, 22927), (57, 22948),