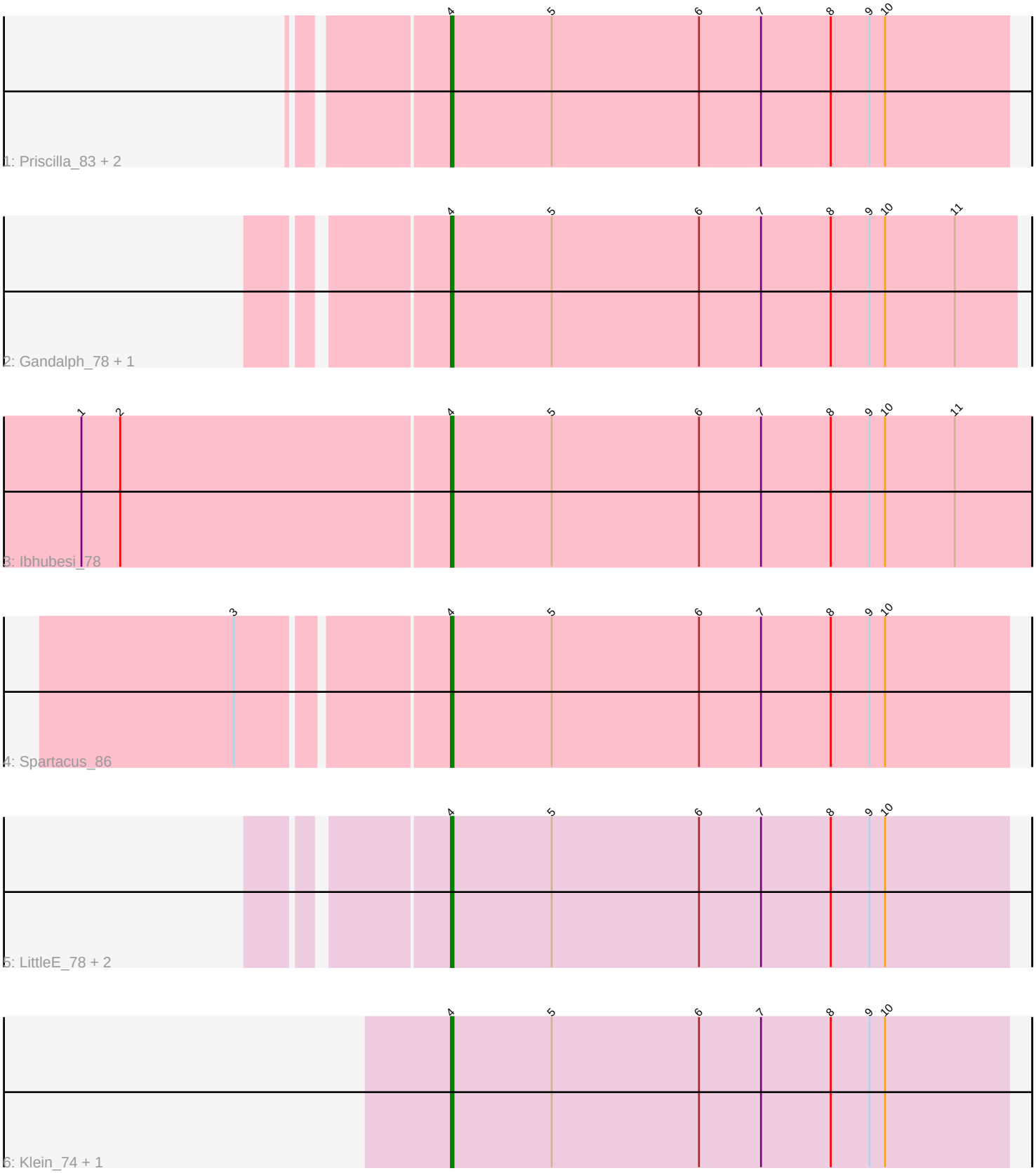
Pham 5230


4
5
6
7
8
9
10
1: Priscilla_83 + 2
4
5
6
7
8
9
10
11
2: Gandalph_78 + 1
1
2
4
5
6
7
8
9
10
11
3: Ibhubesi_78
3
4
5
6
7
8
9
10
4: Spartacus_86
4
5
6
7
8
9
10
5: LittleE_78 + 2
4
5
6
7
8
9
10
6: Klein_74 + 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 5230 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5230 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Priscilla_83, NormanBulbieJr_81, Koella_75
• Track 2 : Gandalph_78, Kenuha5_76
• Track 3 : Ibhubesi_78
• Track 4 : Spartacus_86
• Track 5 : LittleE_78, Omega_80, PhesterPhotato_83
• Track 6 : Klein_74, Wanda_78

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gandalph_78, Ibhubesi_78, Kenuha5_76, Klein_74, Koella_75, LittleE_78, NormanBulbieJr_81, Omega_80, PhesterPhotato_83, Priscilla_83, Spartacus_86, Wanda_78,

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 4:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gandalph_78 (F1), Ibhubesi_78 (F1), Kenuha5_76 (F1), Klein_74 (J), Koella_75 (F1), LittleE_78 (J), NormanBulbieJr_81 (F1), Omega_80 (J), PhesterPhotato_83 (F1), Priscilla_83 (F1), Spartacus_86 (F1), Wanda_78 (J),

Summary by clusters:

There are 2 clusters represented in this pham: F1, J,

Info for manual annotations of cluster F1:
•Start number 4 was manually annotated 7 times for cluster F1.

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

Gene Information:

Gene: Gandalph_78 Start: 45796, Stop: 46014, Start Num: 4
Candidate Starts for Gandalph_78:
(Start: 4 @45796 has 11 MA's), (5, 45835), (6, 45892), (7, 45916), (8, 45943), (9, 45958), (10, 45964), (11, 45991),

Gene: Ibhubesi_78 Start: 46339, Stop: 46563, Start Num: 4
Candidate Starts for Ibhubesi_78:
(1, 46198), (2, 46213), (Start: 4 @46339 has 11 MA's), (5, 46378), (6, 46435), (7, 46459), (8, 46486), (9, 46501), (10, 46507), (11, 46534),

Gene: Kenuha5_76 Start: 49154, Stop: 49372, Start Num: 4
Candidate Starts for Kenuha5_76:
(Start: 4 @49154 has 11 MA's), (5, 49193), (6, 49250), (7, 49274), (8, 49301), (9, 49316), (10, 49322), (11, 49349),

Gene: Klein_74 Start: 50377, Stop: 50162, Start Num: 4
Candidate Starts for Klein_74:
(Start: 4 @50377 has 11 MA's), (5, 50338), (6, 50281), (7, 50257), (8, 50230), (9, 50215), (10, 50209),

Gene: Koella_75 Start: 45965, Stop: 46180, Start Num: 4
Candidate Starts for Koella_75:
(Start: 4 @45965 has 11 MA's), (5, 46004), (6, 46061), (7, 46085), (8, 46112), (9, 46127), (10, 46133),

Gene: LittleE_78 Start: 50640, Stop: 50425, Start Num: 4
Candidate Starts for LittleE_78:
(Start: 4 @50640 has 11 MA's), (5, 50601), (6, 50544), (7, 50520), (8, 50493), (9, 50478), (10, 50472),

Gene: NormanBulbieJr_81 Start: 49979, Stop: 50194, Start Num: 4
Candidate Starts for NormanBulbieJr_81:
(Start: 4 @49979 has 11 MA's), (5, 50018), (6, 50075), (7, 50099), (8, 50126), (9, 50141), (10, 50147),

Gene: Omega_80 Start: 51860, Stop: 51645, Start Num: 4
Candidate Starts for Omega_80:
(Start: 4 @51860 has 11 MA's), (5, 51821), (6, 51764), (7, 51740), (8, 51713), (9, 51698), (10, 51692),

Gene: PhesterPhotato_83 Start: 48990, Stop: 49205, Start Num: 4
Candidate Starts for PhesterPhotato_83:
(Start: 4 @48990 has 11 MA's), (5, 49029), (6, 49086), (7, 49110), (8, 49137), (9, 49152), (10, 49158),

Gene: Priscilla_83 Start: 50077, Stop: 50292, Start Num: 4
Candidate Starts for Priscilla_83:
(Start: 4 @50077 has 11 MA's), (5, 50116), (6, 50173), (7, 50197), (8, 50224), (9, 50239), (10, 50245),

Gene: Spartacus_86 Start: 51353, Stop: 51568, Start Num: 4
Candidate Starts for Spartacus_86:
(3, 51278), (Start: 4 @51353 has 11 MA's), (5, 51392), (6, 51449), (7, 51473), (8, 51500), (9, 51515), (10, 51521),

Gene: Wanda_78 Start: 50686, Stop: 50471, Start Num: 4
Candidate Starts for Wanda_78:
(Start: 4 @50686 has 11 MA's), (5, 50647), (6, 50590), (7, 50566), (8, 50539), (9, 50524), (10, 50518),