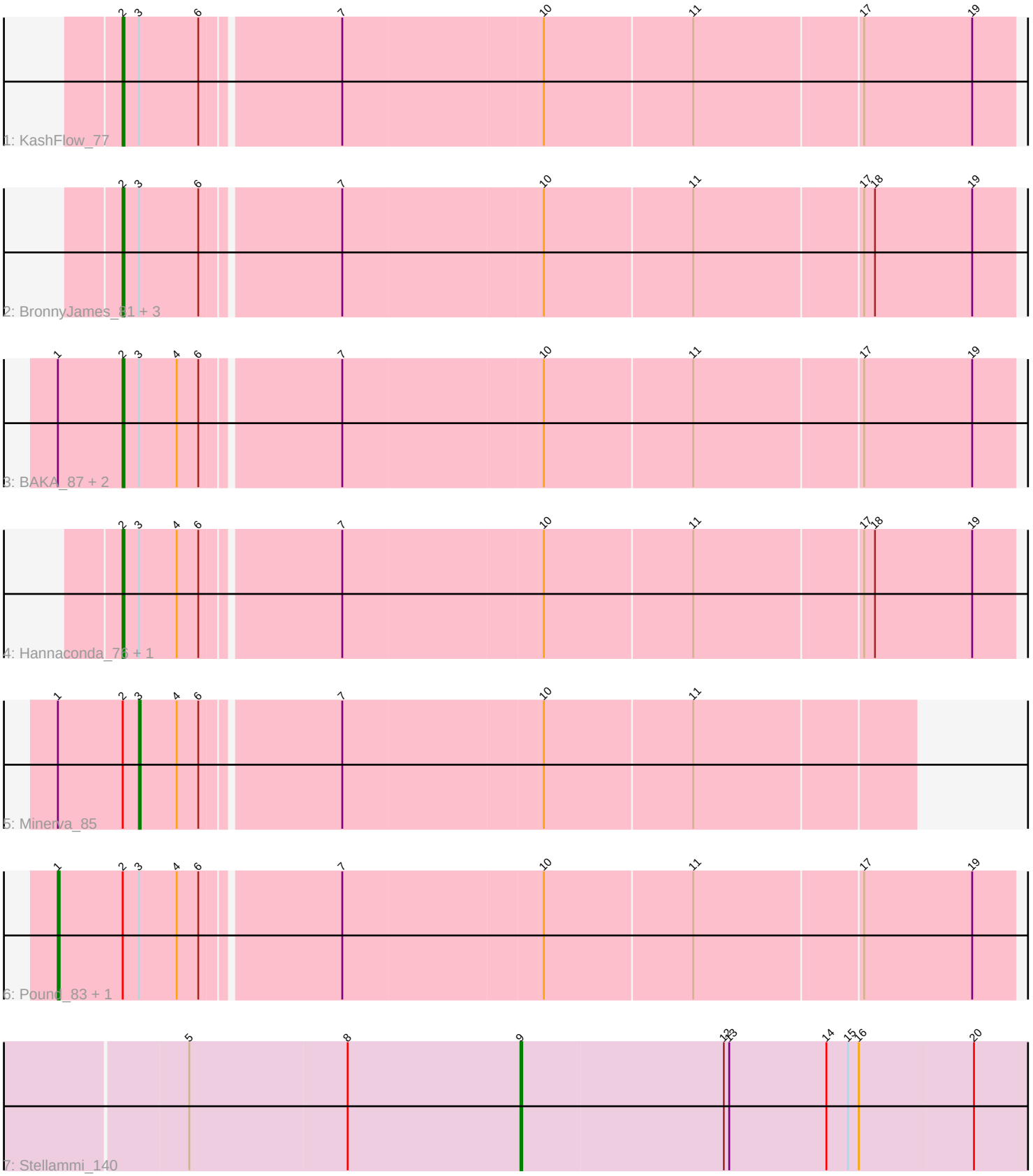
Pham 309555


2
3
6
7
10
11
17
19
1: KashFlow_77
2
3
6
7
10
11
17
18
19
2: BronnyJames_81 + 3
1
2
3
4
6
7
10
11
17
19
3: BAKA_87 + 2
2
3
4
6
7
10
11
17
18
19
4: Hannaconda_76 + 1
1
2
3
4
6
7
10
11
5: Minerva_85
1
2
3
4
6
7
10
11
17
19
6: Pound_83 + 1
5
8
9
12
13
14
15
16
20
7: Stellammi_140

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 309555 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309555 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : KashFlow_77
• Track 2 : BronnyJames_81, Omega_88, Shaboozey_80, Nibley_76
• Track 3 : BAKA_87, EricMillard_81, Optimus_80
• Track 4 : Hannaconda_76, LittleE_83
• Track 5 : Minerva_85
• Track 6 : Pound_83, Duke13_86
• Track 7 : Stellammi_140

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 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_87, BronnyJames_81, EricMillard_81, Hannaconda_76, KashFlow_77, LittleE_83, Nibley_76, Omega_88, Optimus_80, Shaboozey_80,

Genes that have the "Most Annotated" start but do not call it:
• Duke13_86, Minerva_85, Pound_83,

Genes that do not have the "Most Annotated" start:
• Stellammi_140,

Summary by start number:

Start 1:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Duke13_86 (J), Pound_83 (J),

Start 2:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 7 of 11

• Called 76.9% of time when present
• Phage (with cluster) where this start called: BAKA_87 (J), BronnyJames_81 (J), EricMillard_81 (J), Hannaconda_76 (J), KashFlow_77 (J), LittleE_83 (J), Nibley_76 (J), Omega_88 (J), Optimus_80 (J), Shaboozey_80 (J),

Start 3:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Minerva_85 (J),

Start 9:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_140 (UNK),

Summary by clusters:

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

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 2 times for cluster J.
•Start number 2 was manually annotated 7 times for cluster J.
•Start number 3 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster UNK:
•Start number 9 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: BAKA_87 Start: 55736, Stop: 55260, Start Num: 2
Candidate Starts for BAKA_87:
(Start: 1 @55772 has 2 MA's), (Start: 2 @55736 has 7 MA's), (Start: 3 @55727 has 1 MA's), (4, 55706), (6, 55694), (7, 55622), (10, 55514), (11, 55433), (17, 55343), (19, 55283),

Gene: BronnyJames_81 Start: 50669, Stop: 50193, Start Num: 2
Candidate Starts for BronnyJames_81:
(Start: 2 @50669 has 7 MA's), (Start: 3 @50660 has 1 MA's), (6, 50627), (7, 50555), (10, 50447), (11, 50366), (17, 50276), (18, 50270), (19, 50216),

Gene: Duke13_86 Start: 54984, Stop: 54472, Start Num: 1
Candidate Starts for Duke13_86:
(Start: 1 @54984 has 2 MA's), (Start: 2 @54948 has 7 MA's), (Start: 3 @54939 has 1 MA's), (4, 54918), (6, 54906), (7, 54834), (10, 54726), (11, 54645), (17, 54555), (19, 54495),

Gene: EricMillard_81 Start: 55239, Stop: 54763, Start Num: 2
Candidate Starts for EricMillard_81:
(Start: 1 @55275 has 2 MA's), (Start: 2 @55239 has 7 MA's), (Start: 3 @55230 has 1 MA's), (4, 55209), (6, 55197), (7, 55125), (10, 55017), (11, 54936), (17, 54846), (19, 54786),

Gene: Hannaconda_76 Start: 49488, Stop: 49012, Start Num: 2
Candidate Starts for Hannaconda_76:
(Start: 2 @49488 has 7 MA's), (Start: 3 @49479 has 1 MA's), (4, 49458), (6, 49446), (7, 49374), (10, 49266), (11, 49185), (17, 49095), (18, 49089), (19, 49035),

Gene: KashFlow_77 Start: 50275, Stop: 49799, Start Num: 2
Candidate Starts for KashFlow_77:
(Start: 2 @50275 has 7 MA's), (Start: 3 @50266 has 1 MA's), (6, 50233), (7, 50161), (10, 50053), (11, 49972), (17, 49882), (19, 49822),

Gene: LittleE_83 Start: 53720, Stop: 53244, Start Num: 2
Candidate Starts for LittleE_83:
(Start: 2 @53720 has 7 MA's), (Start: 3 @53711 has 1 MA's), (4, 53690), (6, 53678), (7, 53606), (10, 53498), (11, 53417), (17, 53327), (18, 53321), (19, 53267),

Gene: Minerva_85 Start: 55372, Stop: 54959, Start Num: 3
Candidate Starts for Minerva_85:
(Start: 1 @55417 has 2 MA's), (Start: 2 @55381 has 7 MA's), (Start: 3 @55372 has 1 MA's), (4, 55351), (6, 55339), (7, 55267), (10, 55159), (11, 55078),

Gene: Nibley_76 Start: 50246, Stop: 49770, Start Num: 2
Candidate Starts for Nibley_76:
(Start: 2 @50246 has 7 MA's), (Start: 3 @50237 has 1 MA's), (6, 50204), (7, 50132), (10, 50024), (11, 49943), (17, 49853), (18, 49847), (19, 49793),

Gene: Omega_88 Start: 55499, Stop: 55023, Start Num: 2
Candidate Starts for Omega_88:
(Start: 2 @55499 has 7 MA's), (Start: 3 @55490 has 1 MA's), (6, 55457), (7, 55385), (10, 55277), (11, 55196), (17, 55106), (18, 55100), (19, 55046),

Gene: Optimus_80 Start: 54085, Stop: 53609, Start Num: 2
Candidate Starts for Optimus_80:
(Start: 1 @54121 has 2 MA's), (Start: 2 @54085 has 7 MA's), (Start: 3 @54076 has 1 MA's), (4, 54055), (6, 54043), (7, 53971), (10, 53863), (11, 53782), (17, 53692), (19, 53632),

Gene: Pound_83 Start: 56688, Stop: 56176, Start Num: 1
Candidate Starts for Pound_83:
(Start: 1 @56688 has 2 MA's), (Start: 2 @56652 has 7 MA's), (Start: 3 @56643 has 1 MA's), (4, 56622), (6, 56610), (7, 56538), (10, 56430), (11, 56349), (17, 56259), (19, 56199),

Gene: Shaboozey_80 Start: 50690, Stop: 50214, Start Num: 2
Candidate Starts for Shaboozey_80:
(Start: 2 @50690 has 7 MA's), (Start: 3 @50681 has 1 MA's), (6, 50648), (7, 50576), (10, 50468), (11, 50387), (17, 50297), (18, 50291), (19, 50237),

Gene: Stellammi_140 Start: 65387, Stop: 65743, Start Num: 9
Candidate Starts for Stellammi_140:
(5, 65204), (8, 65291), (Start: 9 @65387 has 1 MA's), (12, 65498), (13, 65501), (14, 65555), (15, 65567), (16, 65573), (20, 65636),