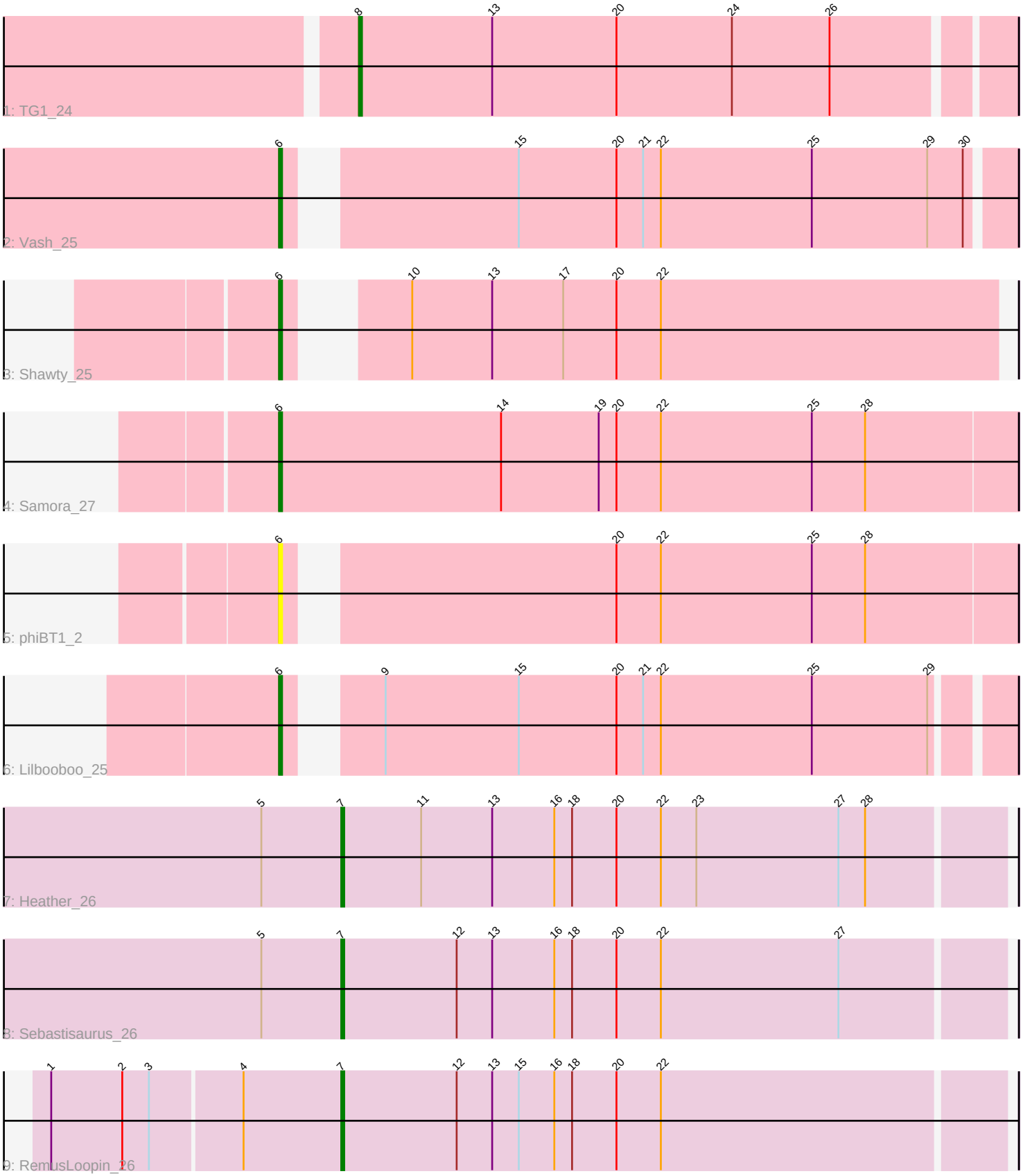
Pham 220360


8
13
20
24
26
1: TG1_24
6
15
20
21
22
25
29
30
2: Vash_25
6
10
13
17
20
22
3: Shawty_25
6
14
19
20
22
25
28
4: Samora_27
6
20
22
25
28
5: phiBT1_2
6
9
15
20
21
22
25
29
6: Lilbooboo_25
5
7
11
13
16
18
20
22
23
27
28
7: Heather_26
5
7
12
13
16
18
20
22
27
8: Sebastisaurus_26
1
2
3
4
7
12
13
15
16
18
20
22
9: RemusLoopin_26

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 220360 Report

This analysis was run 03/28/25 on database version 593.

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 220360 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : TG1_24
• Track 2 : Vash_25
• Track 3 : Shawty_25
• Track 4 : Samora_27
• Track 5 : phiBT1_2
• Track 6 : Lilbooboo_25
• Track 7 : Heather_26
• Track 8 : Sebastisaurus_26
• Track 9 : RemusLoopin_26

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Lilbooboo_25, Samora_27, Shawty_25, Vash_25, phiBT1_2,

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

Genes that do not have the "Most Annotated" start:
• Heather_26, RemusLoopin_26, Sebastisaurus_26, TG1_24,

Summary by start number:

Start 6:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Lilbooboo_25 (BB1), Samora_27 (BB1), Shawty_25 (BB1), Vash_25 (BB1), phiBT1_2 (BB1),

Start 7:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Heather_26 (BB2), RemusLoopin_26 (BB2), Sebastisaurus_26 (BB2),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TG1_24 (BB1),

Summary by clusters:

There are 2 clusters represented in this pham: BB2, BB1,

Info for manual annotations of cluster BB1:
•Start number 6 was manually annotated 4 times for cluster BB1.
•Start number 8 was manually annotated 1 time for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 7 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Heather_26 Start: 20735, Stop: 20956, Start Num: 7
Candidate Starts for Heather_26:
(5, 20708), (Start: 7 @20735 has 3 MA's), (11, 20762), (13, 20786), (16, 20807), (18, 20813), (20, 20828), (22, 20843), (23, 20855), (27, 20903), (28, 20912),

Gene: Lilbooboo_25 Start: 21036, Stop: 21263, Start Num: 6
Candidate Starts for Lilbooboo_25:
(Start: 6 @21036 has 4 MA's), (9, 21057), (15, 21102), (20, 21135), (21, 21144), (22, 21150), (25, 21201), (29, 21240),

Gene: RemusLoopin_26 Start: 21299, Stop: 21520, Start Num: 7
Candidate Starts for RemusLoopin_26:
(1, 21203), (2, 21227), (3, 21236), (4, 21266), (Start: 7 @21299 has 3 MA's), (12, 21338), (13, 21350), (15, 21359), (16, 21371), (18, 21377), (20, 21392), (22, 21407),

Gene: Samora_27 Start: 21582, Stop: 21830, Start Num: 6
Candidate Starts for Samora_27:
(Start: 6 @21582 has 4 MA's), (14, 21657), (19, 21690), (20, 21696), (22, 21711), (25, 21762), (28, 21780),

Gene: Sebastisaurus_26 Start: 21141, Stop: 21362, Start Num: 7
Candidate Starts for Sebastisaurus_26:

(5, 21114), (Start: 7 @21141 has 3 MA's), (12, 21180), (13, 21192), (16, 21213), (18, 21219), (20, 21234), (22, 21249), (27, 21309),

Gene: Shawty_25 Start: 21482, Stop: 21703, Start Num: 6
Candidate Starts for Shawty_25:
(Start: 6 @21482 has 4 MA's), (10, 21506), (13, 21533), (17, 21557), (20, 21575), (22, 21590),

Gene: TG1_24 Start: 21126, Stop: 21341, Start Num: 8
Candidate Starts for TG1_24:
(Start: 8 @21126 has 1 MA's), (13, 21171), (20, 21213), (24, 21252), (26, 21285),

Gene: Vash_25 Start: 20832, Stop: 21062, Start Num: 6
Candidate Starts for Vash_25:
(Start: 6 @20832 has 4 MA's), (15, 20898), (20, 20931), (21, 20940), (22, 20946), (25, 20997), (29, 21036), (30, 21048),

Gene: phiBT1_2 Start: 22316, Stop: 22549, Start Num: 6
Candidate Starts for phiBT1_2:
(Start: 6 @22316 has 4 MA's), (20, 22415), (22, 22430), (25, 22481), (28, 22499),