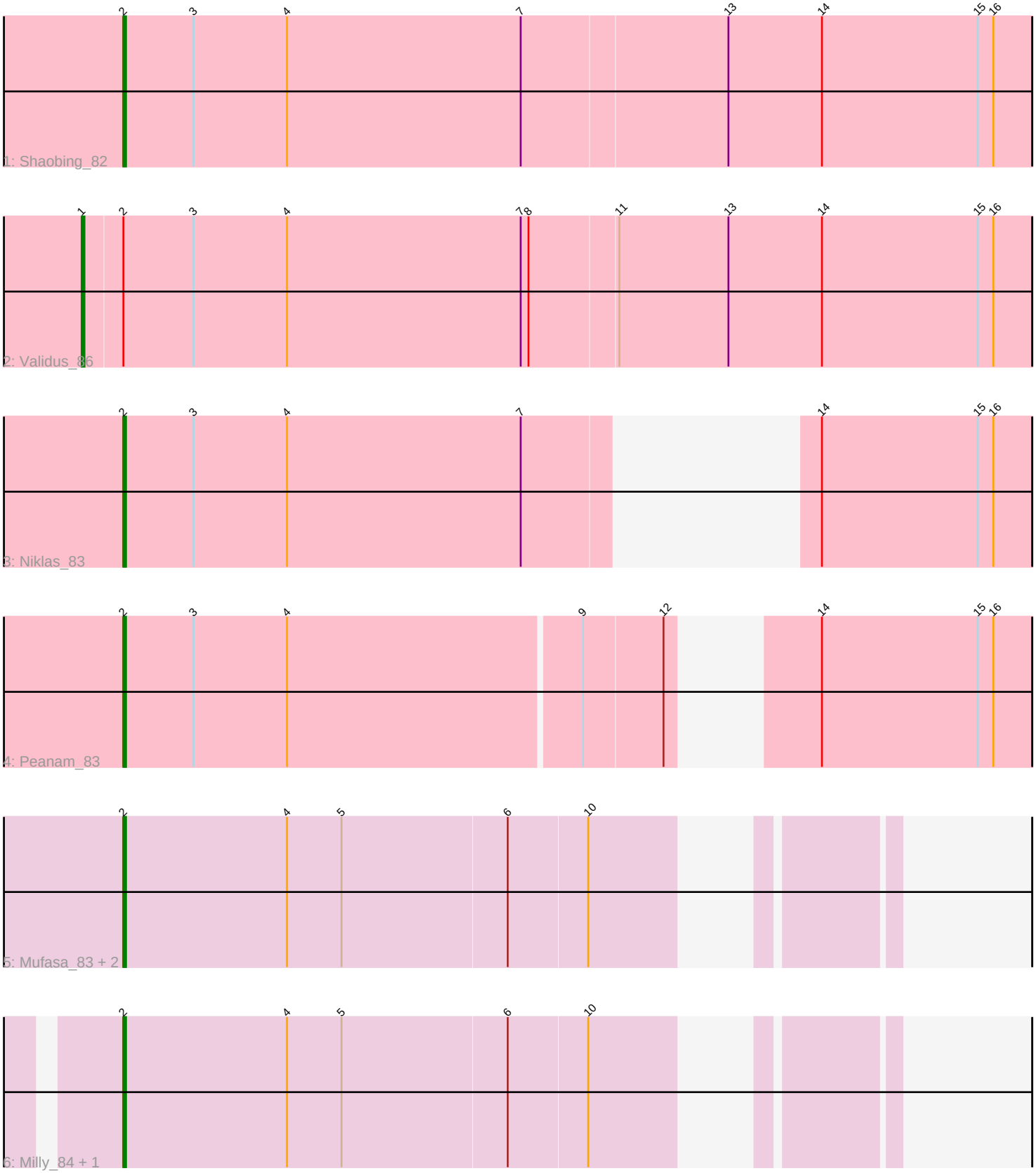
Pham 162400


2
3
4
7
13
14
15
16
1: Shaobing_82
1
2
3
4
7
8
11
13
14
15
16
2: Validus_86
2
3
4
7
14
15
16
3: Niklas_83
2
3
4
9
12
14
15
16
4: Peanam_83
2
4
5
6
10
5: Mufasa_83 + 2
2
4
5
6
10
6: Milly_84 + 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 162400 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162400 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Shaobing_82
• Track 2 : Validus_86
• Track 3 : Niklas_83
• Track 4 : Peanam_83
• Track 5 : Mufasa_83, ZoeJ_83, BoostSeason_83
• Track 6 : Milly_84, TM4_83

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_83, Milly_84, Mufasa_83, Niklas_83, Peanam_83, Shaobing_82, TM4_83, ZoeJ_83,

Genes that have the "Most Annotated" start but do not call it:
• Validus_86,

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

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Validus_86 (K1),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 88.9% of time when present

• Phage (with cluster) where this start called: BoostSeason_83 (K2), Milly_84 (K2), Mufasa_83 (K2), Niklas_83 (K1), Peanam_83 (K1), Shaobing_82 (K1), TM4_83 (K2), ZoeJ_83 (K2),

Summary by clusters:

There are 2 clusters represented in this pham: K2, K1,

Info for manual annotations of cluster K1:
•Start number 1 was manually annotated 1 time for cluster K1.
•Start number 2 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 2 was manually annotated 5 times for cluster K2.

Gene Information:

Gene: BoostSeason_83 Start: 54198, Stop: 54458, Start Num: 2
Candidate Starts for BoostSeason_83:
(Start: 2 @54198 has 8 MA's), (4, 54261), (5, 54282), (6, 54345), (10, 54375),

Gene: Milly_84 Start: 54701, Stop: 54961, Start Num: 2
Candidate Starts for Milly_84:
(Start: 2 @54701 has 8 MA's), (4, 54764), (5, 54785), (6, 54848), (10, 54878),

Gene: Mufasa_83 Start: 54185, Stop: 54445, Start Num: 2
Candidate Starts for Mufasa_83:
(Start: 2 @54185 has 8 MA's), (4, 54248), (5, 54269), (6, 54332), (10, 54362),

Gene: Niklas_83 Start: 53812, Stop: 54087, Start Num: 2
Candidate Starts for Niklas_83:
(Start: 2 @53812 has 8 MA's), (3, 53839), (4, 53875), (7, 53965), (14, 54007), (15, 54067), (16, 54073),

Gene: Peanam_83 Start: 53755, Stop: 54066, Start Num: 2
Candidate Starts for Peanam_83:
(Start: 2 @53755 has 8 MA's), (3, 53782), (4, 53818), (9, 53929), (12, 53959), (14, 53986), (15, 54046), (16, 54052),

Gene: Shaobing_82 Start: 53787, Stop: 54134, Start Num: 2
Candidate Starts for Shaobing_82:
(Start: 2 @53787 has 8 MA's), (3, 53814), (4, 53850), (7, 53940), (13, 54018), (14, 54054), (15, 54114), (16, 54120),

Gene: TM4_83 Start: 49480, Stop: 49743, Start Num: 2
Candidate Starts for TM4_83:
(Start: 2 @49480 has 8 MA's), (4, 49543), (5, 49564), (6, 49627), (10, 49657),

Gene: Validus_86 Start: 54324, Stop: 54686, Start Num: 1
Candidate Starts for Validus_86:

(Start: 1 @54324 has 1 MA's), (Start: 2 @54339 has 8 MA's), (3, 54366), (4, 54402), (7, 54492), (8, 54495), (11, 54528), (13, 54570), (14, 54606), (15, 54666), (16, 54672),

Gene: ZoeJ_83 Start: 54160, Stop: 54420, Start Num: 2
Candidate Starts for ZoeJ_83:
(Start: 2 @54160 has 8 MA's), (4, 54223), (5, 54244), (6, 54307), (10, 54337),