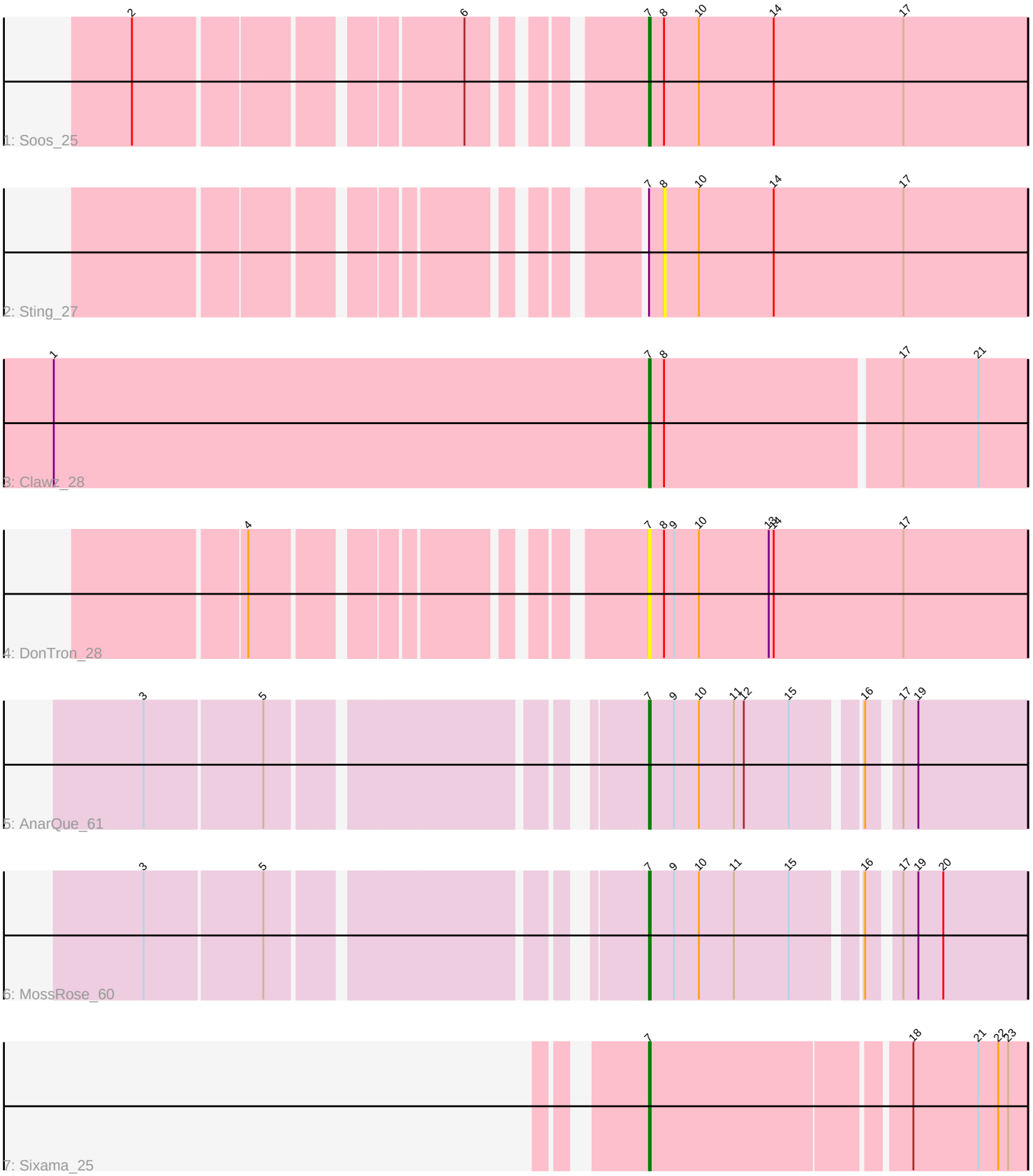
Pham 156925


2
6
7
8
10
14
17
1: Soos_25
7
8
10
14
17
2: Sting_27
1
7
8
17
21
3: Clawz_28
4
7
8
9
10
13
14
17
4: DonTron_28
3
5
7
9
10
11
12
15
16
17
19
5: AnarQue_61
3
5
7
9
10
11
15
16
17
19
20
6: MossRose_60
7
18
21
22
23
7: Sixama_25

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 156925 Report

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

Pham number 156925 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Soos_25
• Track 2 : Sting_27
• Track 3 : Clawz_28
• Track 4 : DonTron_28
• Track 5 : AnarQue_61
• Track 6 : MossRose_60
• Track 7 : Sixama_25

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnarQue_61, Clawz_28, DonTron_28, MossRose_60, Sixama_25, Soos_25,

Genes that have the "Most Annotated" start but do not call it:
• Sting_27,

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

Summary by start number:

Start 7:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 85.7% of time when present
• Phage (with cluster) where this start called: AnarQue_61 (DR), Clawz_28 (CP), DonTron_28 (CP), MossRose_60 (DR), Sixama_25 (DS), Soos_25 (CP),

Start 8:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.

• Called 25.0% of time when present
• Phage (with cluster) where this start called: Sting_27 (CP),

Summary by clusters:

There are 3 clusters represented in this pham: CP, DR, DS,

Info for manual annotations of cluster CP:
•Start number 7 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DR:
•Start number 7 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster DS:
•Start number 7 was manually annotated 1 time for cluster DS.

Gene Information:

Gene: AnarQue_61 Start: 50886, Stop: 50677, Start Num: 7
Candidate Starts for AnarQue_61:
(3, 51138), (5, 51069), (Start: 7 @50886 has 5 MA's), (9, 50871), (10, 50856), (11, 50835), (12, 50829), (15, 50802), (16, 50766), (17, 50751), (19, 50742),

Gene: Clawz_28 Start: 12784, Stop: 13005, Start Num: 7
Candidate Starts for Clawz_28:
(1, 12427), (Start: 7 @12784 has 5 MA's), (8, 12793), (17, 12931), (21, 12976),

Gene: DonTron_28 Start: 12927, Stop: 13154, Start Num: 7
Candidate Starts for DonTron_28:
(4, 12741), (Start: 7 @12927 has 5 MA's), (8, 12936), (9, 12942), (10, 12957), (13, 12999), (14, 13002), (17, 13080),

Gene: MossRose_60 Start: 50517, Stop: 50308, Start Num: 7
Candidate Starts for MossRose_60:
(3, 50769), (5, 50700), (Start: 7 @50517 has 5 MA's), (9, 50502), (10, 50487), (11, 50466), (15, 50433), (16, 50397), (17, 50382), (19, 50373), (20, 50358),

Gene: Sixama_25 Start: 8980, Stop: 8765, Start Num: 7
Candidate Starts for Sixama_25:
(Start: 7 @8980 has 5 MA's), (18, 8833), (21, 8794), (22, 8782), (23, 8776),

Gene: Soos_25 Start: 12199, Stop: 12426, Start Num: 7
Candidate Starts for Soos_25:
(2, 11950), (6, 12124), (Start: 7 @12199 has 5 MA's), (8, 12208), (10, 12229), (14, 12274), (17, 12352),

Gene: Sting_27 Start: 12542, Stop: 12760, Start Num: 8
Candidate Starts for Sting_27:
(Start: 7 @12533 has 5 MA's), (8, 12542), (10, 12563), (14, 12608), (17, 12686),