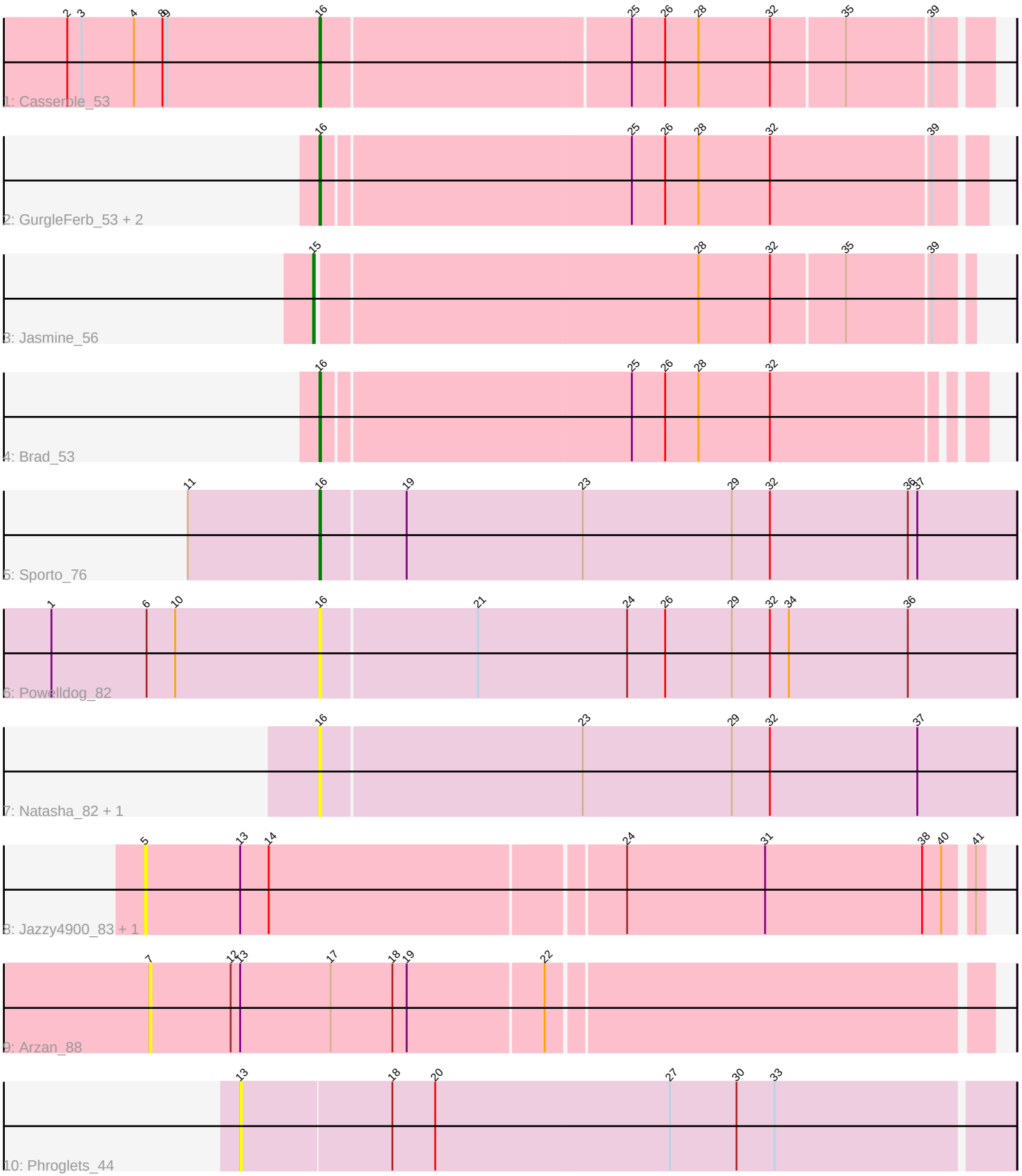
Pham 216697


2
3
4
8
16
25
26
28
32
35
39
1: Casserole_53
16
25
26
28
32
39
2: GurgleFerb_53 + 2
15
28
32
35
39
3: Jasmine_56
16
25
26
28
32
4: Brad_53
11
16
19
23
29
32
36
37
5: Sporto_76
1
6
10
16
21
24
26
29
32
34
36
6: Powelldog_82
16
23
29
32
37
7: Natasha_82 + 1
5
13
14
24
31
38
40
41
8: Jazzy4900_83 + 1
7
12
13
17
18
19
22
9: Arzan_88
13
18
20
27
30
33
10: Phroglets_44

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 216697 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216697 has 14 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Casserole_53
• Track 2 : GurgleFerb_53, Adat_53, Nellie_53
• Track 3 : Jasmine_56
• Track 4 : Brad_53
• Track 5 : Sporto_76
• Track 6 : Powelldog_82
• Track 7 : Natasha_82, RustyBoy_82
• Track 8 : Jazzy4900_83, Sunny4976_82
• Track 9 : Arzan_88
• Track 10 : Phroglets_44

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adat_53, Brad_53, Casserole_53, GurgleFerb_53, Natasha_82, Nellie_53, Powelldog_82, RustyBoy_82, Sporto_76,

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

Genes that do not have the "Most Annotated" start:
• Arzan_88, Jasmine_56, Jazzy4900_83, Phroglets_44, Sunny4976_82,

Summary by start number:

Start 5:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jazzy4900_83 (FI), Sunny4976_82 (FI),

Start 7:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arzan_88 (FI),

Start 13:
• Found in 4 of 14 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Phroglets_44 (singleton),

Start 15:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jasmine_56 (AV),

Start 16:
• Found in 9 of 14 (64.3%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adat_53 (AV), Brad_53 (AV), Casserole_53 (AV), GurgleFerb_53 (AV), Natasha_82 (AW), Nellie_53 (AV), Powelldog_82 (AW), RustyBoy_82 (AW), Sporto_76 (AW),

Summary by clusters:

There are 4 clusters represented in this pham: FI, singleton, AW, AV,

Info for manual annotations of cluster AV:
•Start number 15 was manually annotated 1 time for cluster AV.
•Start number 16 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster AW:
•Start number 16 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: Adat_53 Start: 43182, Stop: 42778, Start Num: 16
Candidate Starts for Adat_53:
(Start: 16 @43182 has 6 MA's), (25, 42993), (26, 42972), (28, 42951), (32, 42906), (39, 42807),

Gene: Arzan_88 Start: 51953, Stop: 52468, Start Num: 7
Candidate Starts for Arzan_88:
(7, 51953), (12, 52004), (13, 52010), (17, 52067), (18, 52106), (19, 52115), (22, 52199),

Gene: Brad_53 Start: 43174, Stop: 42776, Start Num: 16
Candidate Starts for Brad_53:
(Start: 16 @43174 has 6 MA's), (25, 42985), (26, 42964), (28, 42943), (32, 42898),

Gene: Casserole_53 Start: 44279, Stop: 43875, Start Num: 16
Candidate Starts for Casserole_53:
(2, 44435), (3, 44426), (4, 44393), (8, 44375), (9, 44372), (Start: 16 @44279 has 6 MA's), (25, 44090), (26, 44069), (28, 44048), (32, 44003), (35, 43958), (39, 43907),

Gene: GurgleFerb_53 Start: 43181, Stop: 42777, Start Num: 16
Candidate Starts for GurgleFerb_53:
(Start: 16 @43181 has 6 MA's), (25, 42992), (26, 42971), (28, 42950), (32, 42905), (39, 42806),

Gene: Jasmine_56 Start: 44695, Stop: 44300, Start Num: 15
Candidate Starts for Jasmine_56:
(Start: 15 @44695 has 1 MA's), (28, 44461), (32, 44416), (35, 44371), (39, 44320),

Gene: Jazzy4900_83 Start: 51980, Stop: 52492, Start Num: 5
Candidate Starts for Jazzy4900_83:
(5, 51980), (13, 52040), (14, 52058), (24, 52274), (31, 52361), (38, 52460), (40, 52472), (41, 52487),

Gene: Natasha_82 Start: 48586, Stop: 49020, Start Num: 16
Candidate Starts for Natasha_82:
(Start: 16 @48586 has 6 MA's), (23, 48748), (29, 48841), (32, 48865), (37, 48958),

Gene: Nellie_53 Start: 43182, Stop: 42778, Start Num: 16
Candidate Starts for Nellie_53:
(Start: 16 @43182 has 6 MA's), (25, 42993), (26, 42972), (28, 42951), (32, 42906), (39, 42807),

Gene: Phroglets_44 Start: 39189, Stop: 38710, Start Num: 13
Candidate Starts for Phroglets_44:
(13, 39189), (18, 39096), (20, 39069), (27, 38922), (30, 38880), (33, 38856),

Gene: Powelldog_82 Start: 49417, Stop: 49851, Start Num: 16
Candidate Starts for Powelldog_82:
(1, 49252), (6, 49312), (10, 49330), (Start: 16 @49417 has 6 MA's), (21, 49513), (24, 49606), (26, 49630), (29, 49672), (32, 49696), (34, 49708), (36, 49783),

Gene: RustyBoy_82 Start: 48785, Stop: 49219, Start Num: 16
Candidate Starts for RustyBoy_82:
(Start: 16 @48785 has 6 MA's), (23, 48947), (29, 49040), (32, 49064), (37, 49157),

Gene: Sporto_76 Start: 49277, Stop: 49711, Start Num: 16
Candidate Starts for Sporto_76:
(11, 49196), (Start: 16 @49277 has 6 MA's), (19, 49328), (23, 49439), (29, 49532), (32, 49556), (36, 49643), (37, 49649),

Gene: Sunny4976_82 Start: 51980, Stop: 52492, Start Num: 5
Candidate Starts for Sunny4976_82:
(5, 51980), (13, 52040), (14, 52058), (24, 52274), (31, 52361), (38, 52460), (40, 52472), (41, 52487),