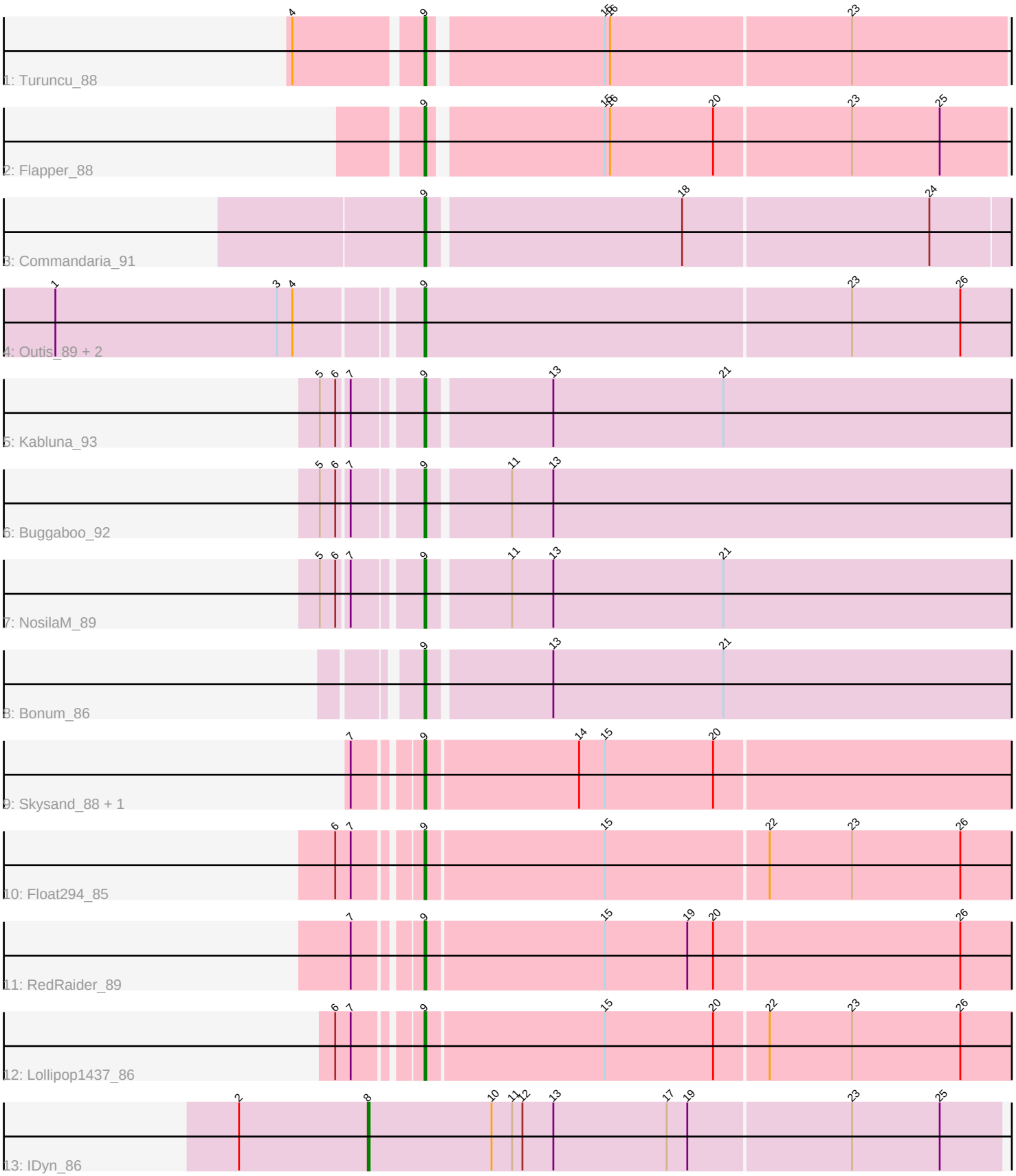
Pham 333333


4
9
15
16
23
1: Turuncu_88
9
15
16
20
23
25
2: Flapper_88
9
18
24
3: Commandaria_91
1
3
4
9
23
26
4: Outis_89 + 2
5
6
7
9
13
21
5: Kabluna_93
5
6
7
9
11
13
6: Buggaboo_92
5
6
7
9
11
13
21
7: NosilaM_89
9
13
21
8: Bonum_86
7
9
14
15
20
9: Skysand_88 + 1
6
7
9
15
22
23
26
10: Float294_85
7
9
15
19
20
26
11: RedRaider_89
6
7
9
15
20
22
23
26
12: Lollipop1437_86
2
8
10
11
12
13
17
19
23
25
13: IDyn_86

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 333333 Report

This analysis was run 11/14/26 on database version 672.

Pham number 333333 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Turuncu_88
• Track 2 : Flapper_88
• Track 3 : Commandaria_91
• Track 4 : Outis_89, MerCougar_91, StarStruck_89
• Track 5 : Kabluna_93
• Track 6 : Buggaboo_92
• Track 7 : NosilaM_89
• Track 8 : Bonum_86
• Track 9 : Skysand_88, Ennea_91
• Track 10 : Float294_85
• Track 11 : RedRaider_89
• Track 12 : Lollipop1437_86
• Track 13 : IDyn_86

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

The start number called the most often in the published annotations is 9, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bonum_86, Buggaboo_92, Commandaria_91, Ennea_91, Flapper_88, Float294_85, Kabluna_93, Lollipop1437_86, MerCougar_91, NosilaM_89, Outis_89, RedRaider_89, Skysand_88, StarStruck_89, Turuncu_88,

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

Genes that do not have the "Most Annotated" start:
• IDyn_86,

Summary by start number:

Start 8:
• Found in 1 of 16 (6.2%) of genes in pham

• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IDyn_86 (CR4),

Start 9:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 15 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bonum_86 (CR2), Buggaboo_92 (CR2), Commandaria_91 (CR2), Ennea_91 (CR3), Flapper_88 (CR1), Float294_85 (CR3), Kabluna_93 (CR2), Lollipop1437_86 (CR3), MerCougar_91 (CR2), NosilaM_89 (CR2), Outis_89 (CR2), RedRaider_89 (CR3), Skysand_88 (CR3), StarStruck_89 (CR2), Turuncu_88 (CR1),

Summary by clusters:

There are 4 clusters represented in this pham: CR2, CR3, CR1, CR4,

Info for manual annotations of cluster CR1:
•Start number 9 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 9 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 9 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 8 was manually annotated 1 time for cluster CR4.

Gene Information:

Gene: Bonum_86 Start: 62319, Stop: 62669, Start Num: 9
Candidate Starts for Bonum_86:
(Start: 9 @62319 has 15 MA's), (13, 62388), (21, 62487),

Gene: Buggaboo_92 Start: 66525, Stop: 66875, Start Num: 9
Candidate Starts for Buggaboo_92:
(5, 66474), (6, 66483), (7, 66489), (Start: 9 @66525 has 15 MA's), (11, 66570), (13, 66594),

Gene: Commandaria_91 Start: 66178, Stop: 66516, Start Num: 9
Candidate Starts for Commandaria_91:
(Start: 9 @66178 has 15 MA's), (18, 66322), (24, 66463),

Gene: Ennea_91 Start: 63469, Stop: 63813, Start Num: 9
Candidate Starts for Ennea_91:
(7, 63436), (Start: 9 @63469 has 15 MA's), (14, 63556), (15, 63571), (20, 63634),

Gene: Flapper_88 Start: 63140, Stop: 63466, Start Num: 9
Candidate Starts for Flapper_88:
(Start: 9 @63140 has 15 MA's), (15, 63236), (16, 63239), (20, 63299), (23, 63377), (25, 63428),

Gene: Float294_85 Start: 63371, Stop: 63715, Start Num: 9
Candidate Starts for Float294_85:
(6, 63329), (7, 63338), (Start: 9 @63371 has 15 MA's), (15, 63473), (22, 63566), (23, 63614), (26, 63677),

Gene: IDyn_86 Start: 61987, Stop: 62352, Start Num: 8
Candidate Starts for IDyn_86:
(2, 61912), (Start: 8 @61987 has 1 MA's), (10, 62059), (11, 62071), (12, 62077), (13, 62095), (17, 62161), (19, 62173), (23, 62266), (25, 62317),

Gene: Kabluna_93 Start: 63707, Stop: 64057, Start Num: 9
Candidate Starts for Kabluna_93:
(5, 63656), (6, 63665), (7, 63671), (Start: 9 @63707 has 15 MA's), (13, 63776), (21, 63875),

Gene: Lollipop1437_86 Start: 63153, Stop: 63497, Start Num: 9
Candidate Starts for Lollipop1437_86:
(6, 63111), (7, 63120), (Start: 9 @63153 has 15 MA's), (15, 63255), (20, 63318), (22, 63348), (23, 63396), (26, 63459),

Gene: MerCougar_91 Start: 66292, Stop: 66645, Start Num: 9
Candidate Starts for MerCougar_91:
(1, 66088), (3, 66217), (4, 66226), (Start: 9 @66292 has 15 MA's), (23, 66538), (26, 66601),

Gene: NosilaM_89 Start: 65114, Stop: 65464, Start Num: 9
Candidate Starts for NosilaM_89:
(5, 65063), (6, 65072), (7, 65078), (Start: 9 @65114 has 15 MA's), (11, 65159), (13, 65183), (21, 65282),

Gene: Outis_89 Start: 65567, Stop: 65920, Start Num: 9
Candidate Starts for Outis_89:
(1, 65363), (3, 65492), (4, 65501), (Start: 9 @65567 has 15 MA's), (23, 65813), (26, 65876),

Gene: RedRaider_89 Start: 64571, Stop: 64915, Start Num: 9
Candidate Starts for RedRaider_89:
(7, 64538), (Start: 9 @64571 has 15 MA's), (15, 64673), (19, 64721), (20, 64736), (26, 64877),

Gene: Skysand_88 Start: 63315, Stop: 63659, Start Num: 9
Candidate Starts for Skysand_88:
(7, 63282), (Start: 9 @63315 has 15 MA's), (14, 63402), (15, 63417), (20, 63480),

Gene: StarStruck_89 Start: 65567, Stop: 65920, Start Num: 9
Candidate Starts for StarStruck_89:
(1, 65363), (3, 65492), (4, 65501), (Start: 9 @65567 has 15 MA's), (23, 65813), (26, 65876),

Gene: Turuncu_88 Start: 62757, Stop: 63083, Start Num: 9
Candidate Starts for Turuncu_88:
(4, 62688), (Start: 9 @62757 has 15 MA's), (15, 62853), (16, 62856), (23, 62994),