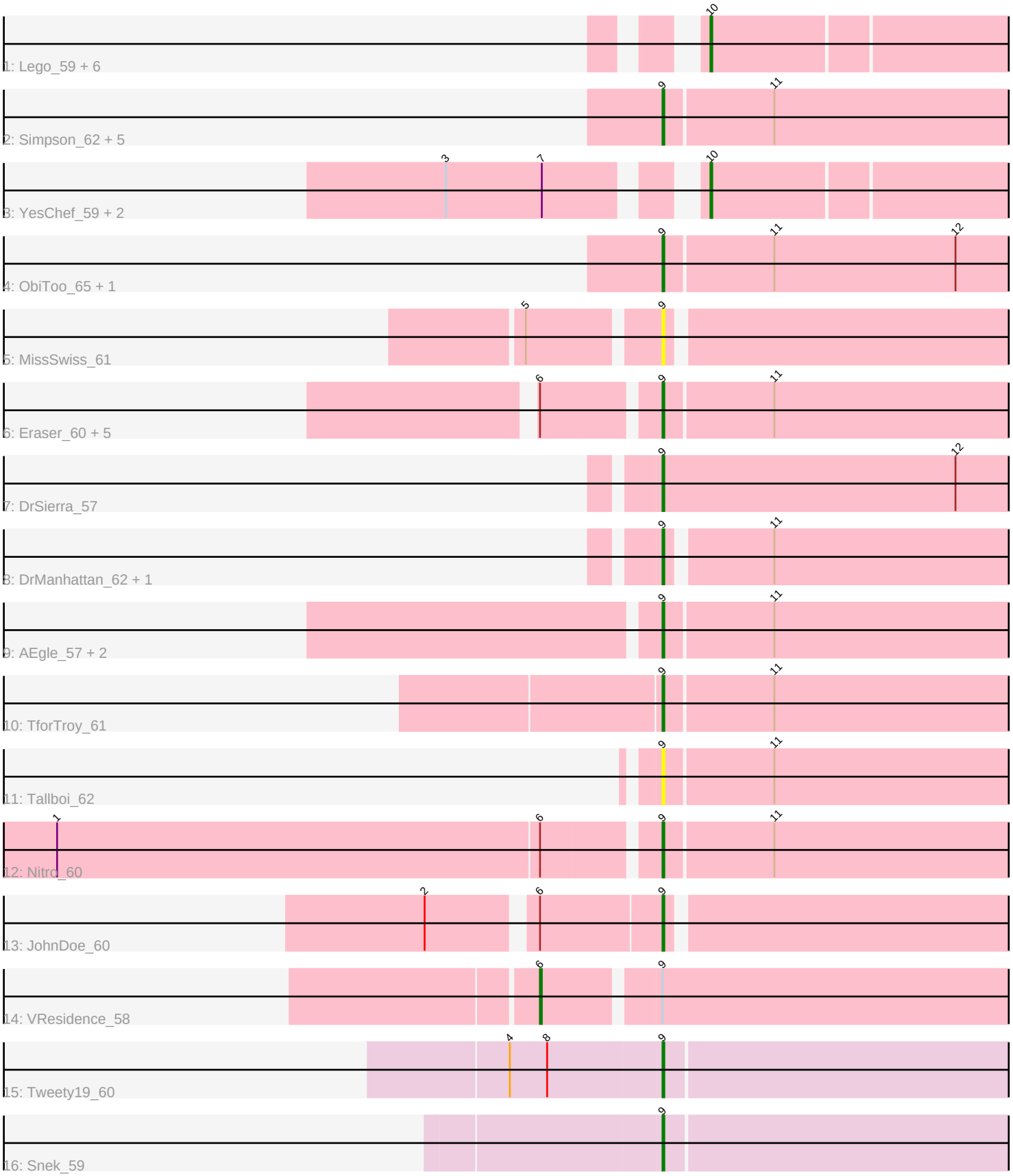
Pham 86088


1: Lego_59 + 6
10
2: Simpson_62 + 5
9
11
3: YesChef_59 + 2
3
7
10
4: ObiToo_65 + 1
9
11
12
5: MissSwiss_61
5
9
6: Eraser_60 + 5
6
9
11
7: DrSierra_57
9
12
8: DrManhattan_62 + 1
9
11
9: AEgle_57 + 2
9
11
10: TforTroy_61
9
11
11: Tallboi_62
9
11
12: Nitro_60
1
6
9
11
13: JohnDoe_60
2
6
9
14: VResidence_58
6
9
15: Tweety19_60
4
8
9
16: Snek_59
9

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 86088 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86088 has 38 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Lego_59, Kaylissa_61, Cyan_59, Mudpuppy_59, Warda_60, Tbone_59, Lizalica_58
• Track 2 : Simpson_62, Tutumahutu_60, Joemato_62, Cassia_60, Pumpkins_94, IttyBittyPiggy_59
• Track 3 : YesChef_59, Powerpuff_61, AGrandiflora_61
• Track 4 : ObiToo_65, Crewmate_65
• Track 5 : MissSwiss_61
• Track 6 : Eraser_60, Asa16_60, Elezi_59, London_60, Niobe_60, Jstan_61
• Track 7 : DrSierra_57
• Track 8 : DrManhattan_62, Adolin_61
• Track 9 : AEgle_57, Adumb2043_58, Turab_58
• Track 10 : TforTroy_61
• Track 11 : Tallboi_62
• Track 12 : Nitro_60
• Track 13 : JohnDoe_60
• Track 14 : VResidence_58
• Track 15 : Tweety19_60
• Track 16 : Snek_59

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 17 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_57, Adolin_61, Adumb2043_58, Asa16_60, Cassia_60, Crewmate_65, DrManhattan_62, DrSierra_57, Elezi_59, Eraser_60, IttyBittyPiggy_59, Joemato_62, JohnDoe_60, Jstan_61, London_60, MissSwiss_61, Niobe_60, Nitro_60, ObiToo_65, Pumpkins_94, Simpson_62, Snek_59, Tallboi_62, TforTroy_61, Turab_58, Tutumahutu_60, Tweety19_60,

Genes that have the "Most Annotated" start but do not call it:
• VResidence_58,

Genes that do not have the "Most Annotated" start:
• AGrandiflora_61, Cyan_59, Kaylissa_61, Lego_59, Lizalica_58, Mudpuppy_59, Powerpuff_61, Tbone_59, Warda_60, YesChef_59,

Summary by start number:

Start 6:
• Found in 9 of 38 (23.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 11.1% of time when present
• Phage (with cluster) where this start called: VResidence_58 (AZ1),

Start 9:
• Found in 28 of 38 (73.7%) of genes in pham
• Manual Annotations of this start: 17 of 25
• Called 96.4% of time when present
• Phage (with cluster) where this start called: AEgle_57 (AZ1), Adolin_61 (AZ1), Adumb2043_58 (AZ1), Asa16_60 (AZ1), Cassia_60 (AZ1), Crewmate_65 (AZ1), DrManhattan_62 (AZ1), DrSierra_57 (AZ1), Elezi_59 (AZ1), Eraser_60 (AZ1), IttyBittyPiggy_59 (AZ1), Joemato_62 (AZ1), JohnDoe_60 (AZ1), Jstan_61 (AZ1), London_60 (AZ1), MissSwiss_61 (AZ1), Niobe_60 (AZ1), Nitro_60 (AZ1), ObiToo_65 (AZ1), Pumpkins_94 (AZ1), Simpson_62 (AZ1), Snek_59 (AZ3), Tallboi_62 (AZ1), TforTroy_61 (AZ1), Turab_58 (AZ1), Tutumahutu_60 (AZ1), Tweety19_60 (AZ3),

Start 10:
• Found in 10 of 38 (26.3%) of genes in pham
• Manual Annotations of this start: 7 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_61 (AZ1), Cyan_59 (AZ1), Kaylissa_61 (AZ1), Lego_59 (AZ1), Lizalica_58 (AZ1), Mudpuppy_59 (AZ1), Powerpuff_61 (AZ1), Tbone_59 (AZ1), Warda_60 (AZ1), YesChef_59 (AZ1),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ3,

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 1 time for cluster AZ1.
•Start number 9 was manually annotated 15 times for cluster AZ1.
•Start number 10 was manually annotated 7 times for cluster AZ1.

Info for manual annotations of cluster AZ3:
•Start number 9 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: AEgle_57 Start: 39816, Stop: 40013, Start Num: 9
Candidate Starts for AEgle_57:
(Start: 9 @39816 has 17 MA's), (11, 39876),

Gene: AGrandiflora_61 Start: 40763, Stop: 40930, Start Num: 10

Candidate Starts for AGrandiflora_61:
(3, 40643), (7, 40697), (Start: 10 @40763 has 7 MA's),

Gene: Adolin_61 Start: 39577, Stop: 39771, Start Num: 9
Candidate Starts for Adolin_61:
(Start: 9 @39577 has 17 MA's), (11, 39631),

Gene: Adumb2043_58 Start: 39839, Stop: 40036, Start Num: 9
Candidate Starts for Adumb2043_58:
(Start: 9 @39839 has 17 MA's), (11, 39899),

Gene: Asa16_60 Start: 40684, Stop: 40881, Start Num: 9
Candidate Starts for Asa16_60:
(Start: 6 @40624 has 1 MA's), (Start: 9 @40684 has 17 MA's), (11, 40744),

Gene: Cassia_60 Start: 40801, Stop: 40998, Start Num: 9
Candidate Starts for Cassia_60:
(Start: 9 @40801 has 17 MA's), (11, 40861),

Gene: Crewmate_65 Start: 41409, Stop: 41606, Start Num: 9
Candidate Starts for Crewmate_65:
(Start: 9 @41409 has 17 MA's), (11, 41469), (12, 41571),

Gene: Cyan_59 Start: 40505, Stop: 40672, Start Num: 10
Candidate Starts for Cyan_59:
(Start: 10 @40505 has 7 MA's),

Gene: DrManhattan_62 Start: 39133, Stop: 39327, Start Num: 9
Candidate Starts for DrManhattan_62:
(Start: 9 @39133 has 17 MA's), (11, 39187),

Gene: DrSierra_57 Start: 39556, Stop: 39756, Start Num: 9
Candidate Starts for DrSierra_57:
(Start: 9 @39556 has 17 MA's), (12, 39721),

Gene: Elezi_59 Start: 40441, Stop: 40638, Start Num: 9
Candidate Starts for Elezi_59:
(Start: 6 @40381 has 1 MA's), (Start: 9 @40441 has 17 MA's), (11, 40501),

Gene: Eraser_60 Start: 40691, Stop: 40888, Start Num: 9
Candidate Starts for Eraser_60:
(Start: 6 @40631 has 1 MA's), (Start: 9 @40691 has 17 MA's), (11, 40751),

Gene: IttyBittyPiggy_59 Start: 39043, Stop: 39240, Start Num: 9
Candidate Starts for IttyBittyPiggy_59:
(Start: 9 @39043 has 17 MA's), (11, 39103),

Gene: Joemato_62 Start: 40172, Stop: 40372, Start Num: 9
Candidate Starts for Joemato_62:
(Start: 9 @40172 has 17 MA's), (11, 40232),

Gene: JohnDoe_60 Start: 40567, Stop: 40764, Start Num: 9
Candidate Starts for JohnDoe_60:

(2, 40447), (Start: 6 @40501 has 1 MA's), (Start: 9 @40567 has 17 MA's),

Gene: Jstan_61 Start: 40445, Stop: 40642, Start Num: 9
Candidate Starts for Jstan_61:
(Start: 6 @40385 has 1 MA's), (Start: 9 @40445 has 17 MA's), (11, 40505),

Gene: Kaylissa_61 Start: 40964, Stop: 41131, Start Num: 10
Candidate Starts for Kaylissa_61:
(Start: 10 @40964 has 7 MA's),

Gene: Lego_59 Start: 40283, Stop: 40450, Start Num: 10
Candidate Starts for Lego_59:
(Start: 10 @40283 has 7 MA's),

Gene: Lizalica_58 Start: 39769, Stop: 39936, Start Num: 10
Candidate Starts for Lizalica_58:
(Start: 10 @39769 has 7 MA's),

Gene: London_60 Start: 40682, Stop: 40879, Start Num: 9
Candidate Starts for London_60:
(Start: 6 @40622 has 1 MA's), (Start: 9 @40682 has 17 MA's), (11, 40742),

Gene: MissSwiss_61 Start: 39406, Stop: 39600, Start Num: 9
Candidate Starts for MissSwiss_61:
(5, 39337), (Start: 9 @39406 has 17 MA's),

Gene: Mudpuppy_59 Start: 40531, Stop: 40698, Start Num: 10
Candidate Starts for Mudpuppy_59:
(Start: 10 @40531 has 7 MA's),

Gene: Niobe_60 Start: 40685, Stop: 40882, Start Num: 9
Candidate Starts for Niobe_60:
(Start: 6 @40625 has 1 MA's), (Start: 9 @40685 has 17 MA's), (11, 40745),

Gene: Nitro_60 Start: 41121, Stop: 41318, Start Num: 9
Candidate Starts for Nitro_60:
(1, 40791), (Start: 6 @41061 has 1 MA's), (Start: 9 @41121 has 17 MA's), (11, 41181),

Gene: ObiToo_65 Start: 41024, Stop: 41221, Start Num: 9
Candidate Starts for ObiToo_65:
(Start: 9 @41024 has 17 MA's), (11, 41084), (12, 41186),

Gene: Powerpuff_61 Start: 41486, Stop: 41653, Start Num: 10
Candidate Starts for Powerpuff_61:
(3, 41366), (7, 41420), (Start: 10 @41486 has 7 MA's),

Gene: Pumpkins_94 Start: 41312, Stop: 41512, Start Num: 9
Candidate Starts for Pumpkins_94:
(Start: 9 @41312 has 17 MA's), (11, 41375),

Gene: Simpson_62 Start: 40176, Stop: 40376, Start Num: 9
Candidate Starts for Simpson_62:
(Start: 9 @40176 has 17 MA's), (11, 40236),

Gene: Snek_59 Start: 37917, Stop: 38114, Start Num: 9
Candidate Starts for Snek_59:
(Start: 9 @37917 has 17 MA's),

Gene: Tallboi_62 Start: 40401, Stop: 40598, Start Num: 9
Candidate Starts for Tallboi_62:
(Start: 9 @40401 has 17 MA's), (11, 40461),

Gene: Tbone_59 Start: 40927, Stop: 41094, Start Num: 10
Candidate Starts for Tbone_59:
(Start: 10 @40927 has 7 MA's),

Gene: TforTroy_61 Start: 40979, Stop: 41176, Start Num: 9
Candidate Starts for TforTroy_61:
(Start: 9 @40979 has 17 MA's), (11, 41039),

Gene: Turab_58 Start: 39860, Stop: 40057, Start Num: 9
Candidate Starts for Turab_58:
(Start: 9 @39860 has 17 MA's), (11, 39920),

Gene: Tutumahutu_60 Start: 40143, Stop: 40343, Start Num: 9
Candidate Starts for Tutumahutu_60:
(Start: 9 @40143 has 17 MA's), (11, 40203),

Gene: Tweety19_60 Start: 37918, Stop: 38115, Start Num: 9
Candidate Starts for Tweety19_60:
(4, 37834), (8, 37855), (Start: 9 @37918 has 17 MA's),

Gene: VResidence_58 Start: 38220, Stop: 38480, Start Num: 6
Candidate Starts for VResidence_58:
(Start: 6 @38220 has 1 MA's), (Start: 9 @38280 has 17 MA's),

Gene: Warda_60 Start: 40653, Stop: 40820, Start Num: 10
Candidate Starts for Warda_60:
(Start: 10 @40653 has 7 MA's),

Gene: YesChef_59 Start: 40345, Stop: 40512, Start Num: 10
Candidate Starts for YesChef_59:
(3, 40225), (7, 40279), (Start: 10 @40345 has 7 MA's),