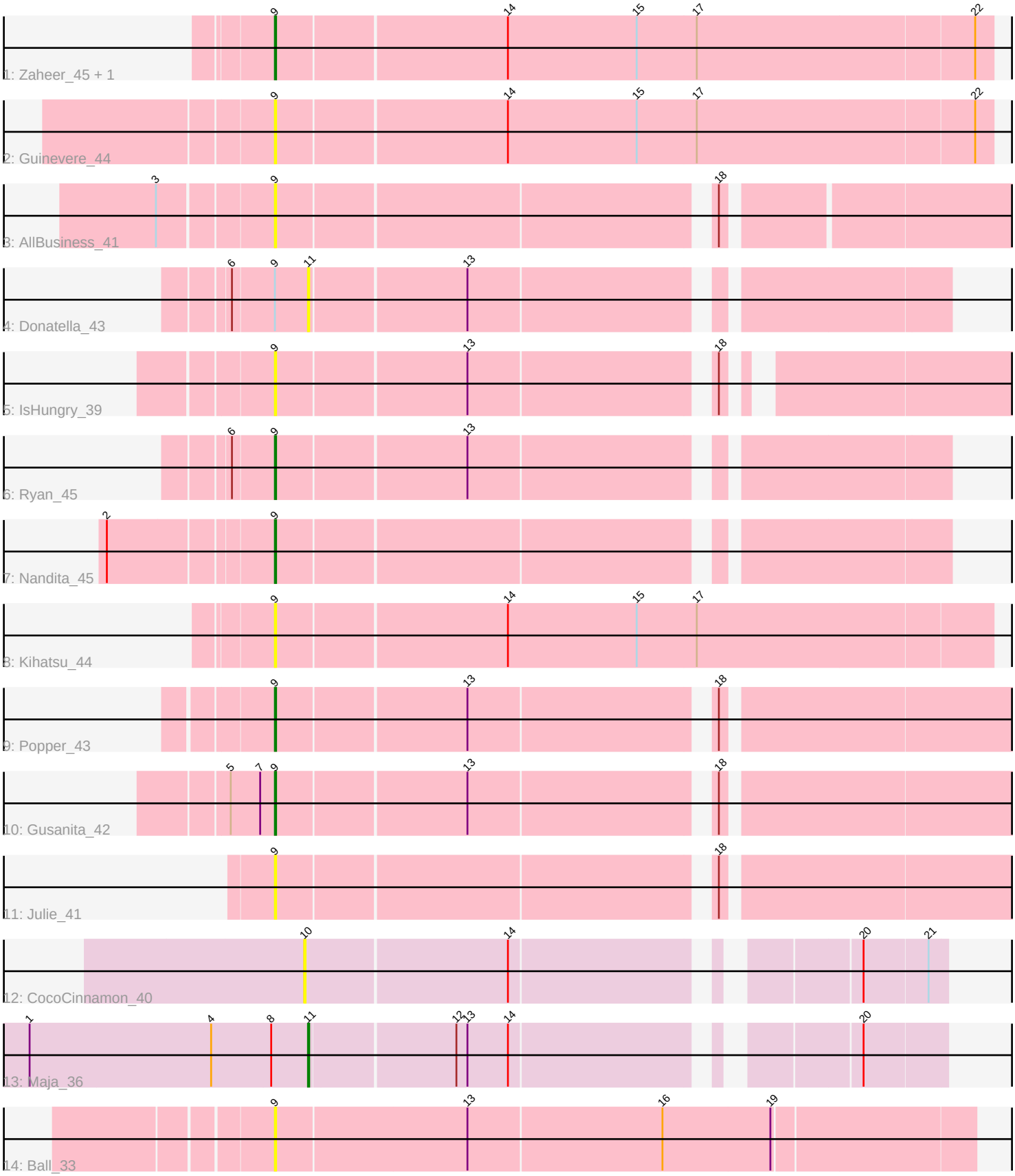
Pham 224984


1: Zaheer_45 + 1
2: Guinevere_44
3: AllBusiness_41
4: Donatella_43
5: IsHungry_39
6: Ryan_45
7: Nandita_45
8: Kihatsu_44
9: Popper_43
10: Gusanita_42
11: Julie_41
12: CocoCinnamon_40
13: Maja_36
14: Ball_33

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 224984 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224984 has 15 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Zaheer_45, Schism_46
• Track 2 : Guinevere_44
• Track 3 : AllBusiness_41
• Track 4 : Donatella_43
• Track 5 : IsHungry_39
• Track 6 : Ryan_45
• Track 7 : Nandita_45
• Track 8 : Kihatsu_44
• Track 9 : Popper_43
• Track 10 : Gusanita_42
• Track 11 : Julie_41
• Track 12 : CocoCinnamon_40
• Track 13 : Maja_36
• Track 14 : Ball_33

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_41, Ball_33, Guinevere_44, Gusanita_42, IsHungry_39, Julie_41, Kihatsu_44, Nandita_45, Popper_43, Ryan_45, Schism_46, Zaheer_45,

Genes that have the "Most Annotated" start but do not call it:
• Donatella_43,

Genes that do not have the "Most Annotated" start:
• CocoCinnamon_40, Maja_36,

Summary by start number:

Start 9:
• Found in 13 of 15 (86.7%) of genes in pham

• Manual Annotations of this start: 5 of 6
• Called 92.3% of time when present
• Phage (with cluster) where this start called: AllBusiness_41 (FF), Ball_33 (singleton), Guinevere_44 (FF), Gusanita_42 (FF), IsHungry_39 (FF), Julie_41 (FF), Kihatsu_44 (FF), Nandita_45 (FF), Popper_43 (FF), Ryan_45 (FF), Schism_46 (FF), Zaheer_45 (FF),

Start 10:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CocoCinnamon_40 (FO),

Start 11:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Donatella_43 (FF), Maja_36 (FO),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FF, FO,

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

Info for manual annotations of cluster FO:
•Start number 11 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: AllBusiness_41 Start: 31586, Stop: 32197, Start Num: 9
Candidate Starts for AllBusiness_41:
(3, 31499), (Start: 9 @31586 has 5 MA's), (18, 31919),

Gene: Ball_33 Start: 25781, Stop: 26335, Start Num: 9
Candidate Starts for Ball_33:
(Start: 9 @25781 has 5 MA's), (13, 25934), (16, 26090), (19, 26177),

Gene: CocoCinnamon_40 Start: 26860, Stop: 27327, Start Num: 10
Candidate Starts for CocoCinnamon_40:
(10, 26860), (14, 27022), (20, 27262), (21, 27313),

Gene: Donatella_43 Start: 30858, Stop: 31337, Start Num: 11
Candidate Starts for Donatella_43:
(6, 30798), (Start: 9 @30831 has 5 MA's), (Start: 11 @30858 has 1 MA's), (13, 30981),

Gene: Guinevere_44 Start: 30524, Stop: 31096, Start Num: 9
Candidate Starts for Guinevere_44:
(Start: 9 @30524 has 5 MA's), (14, 30707), (15, 30812), (17, 30860), (22, 31082),

Gene: Gusanita_42 Start: 30992, Stop: 31609, Start Num: 9
Candidate Starts for Gusanita_42:
(5, 30956), (7, 30980), (Start: 9 @30992 has 5 MA's), (13, 31142), (18, 31325),

Gene: IsHungry_39 Start: 29178, Stop: 29774, Start Num: 9
Candidate Starts for IsHungry_39:
(Start: 9 @29178 has 5 MA's), (13, 29328), (18, 29511),

Gene: Julie_41 Start: 30946, Stop: 31563, Start Num: 9
Candidate Starts for Julie_41:
(Start: 9 @30946 has 5 MA's), (18, 31279),

Gene: Kihatsu_44 Start: 31494, Stop: 32066, Start Num: 9
Candidate Starts for Kihatsu_44:
(Start: 9 @31494 has 5 MA's), (14, 31677), (15, 31782), (17, 31830),

Gene: Maja_36 Start: 27371, Stop: 27832, Start Num: 11
Candidate Starts for Maja_36:
(1, 27146), (4, 27293), (8, 27341), (Start: 11 @27371 has 1 MA's), (12, 27485), (13, 27494), (14, 27527), (20, 27767),

Gene: Nandita_45 Start: 30585, Stop: 31091, Start Num: 9
Candidate Starts for Nandita_45:
(2, 30459), (Start: 9 @30585 has 5 MA's),

Gene: Popper_43 Start: 30514, Stop: 31131, Start Num: 9
Candidate Starts for Popper_43:
(Start: 9 @30514 has 5 MA's), (13, 30664), (18, 30847),

Gene: Ryan_45 Start: 31133, Stop: 31639, Start Num: 9
Candidate Starts for Ryan_45:
(6, 31100), (Start: 9 @31133 has 5 MA's), (13, 31283),

Gene: Schism_46 Start: 31313, Stop: 31885, Start Num: 9
Candidate Starts for Schism_46:
(Start: 9 @31313 has 5 MA's), (14, 31496), (15, 31601), (17, 31649), (22, 31871),

Gene: Zaheer_45 Start: 31748, Stop: 32320, Start Num: 9
Candidate Starts for Zaheer_45:
(Start: 9 @31748 has 5 MA's), (14, 31931), (15, 32036), (17, 32084), (22, 32306),