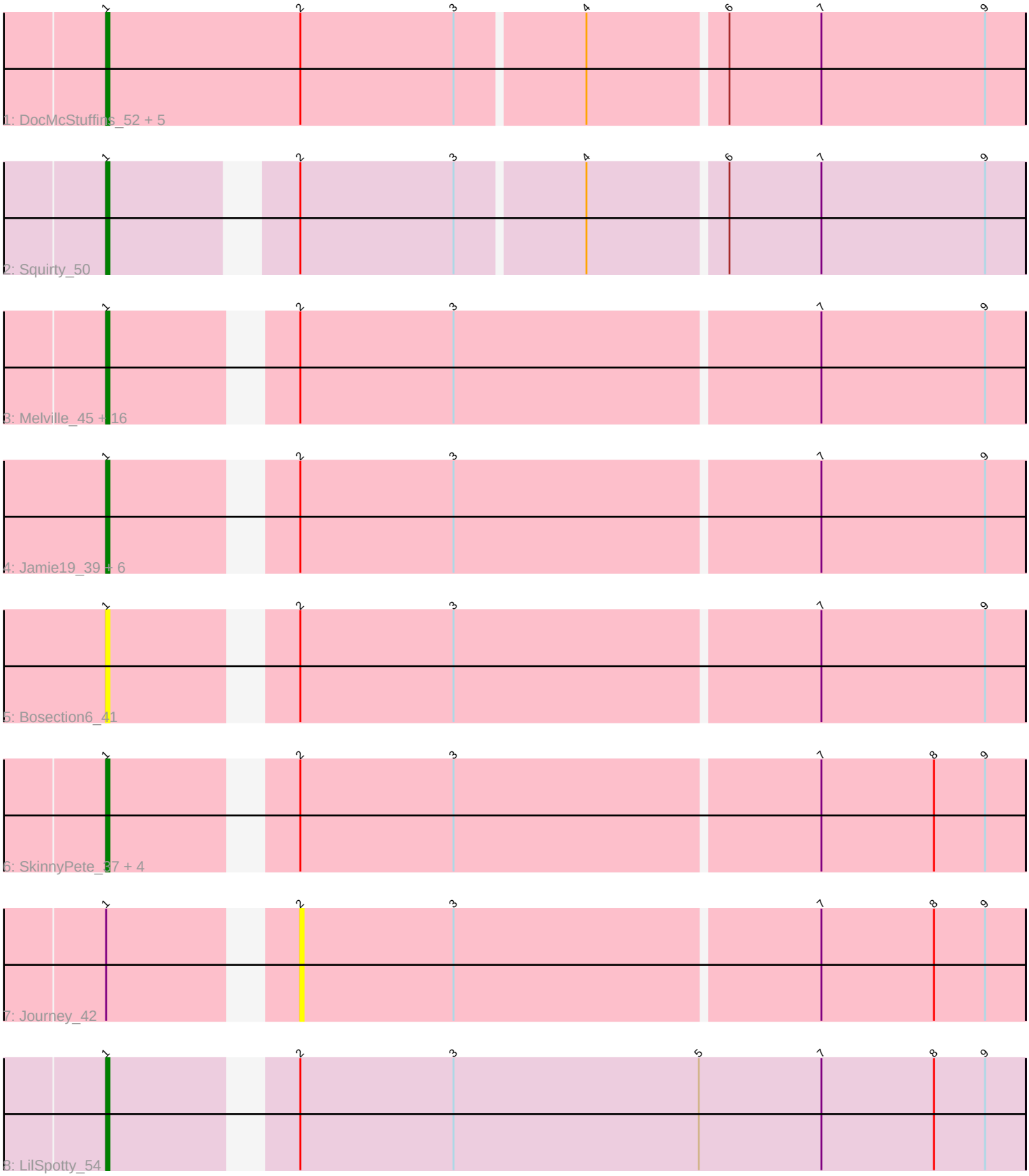
Pham 2646


1 2 3 4 6 7 9
1: DocMcStuffins_52 + 5
1 2 3 4 6 7 9
2: Squirty_50
1 2 3 7 9
3: Melville_45 + 16
1 2 3 7 9
4: Jamie19_39 + 6
1 2 3 7 9
5: Bosection6_41
1 2 3 7 8 9
6: SkinnyPete_37 + 4
1 2 3 7 8 9
7: Journey_42
1 2 3 5 7 8 9
8: LilSpotty_54

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 2646 Report

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

Pham number 2646 has 39 members, 8 are drafts.

Phages represented in each track:
• Track 1 : DocMcStuffins_52, ChickenDinner_55, Piper2020_54, TootsiePop_52, Misha28_52, Awesomesauce_54
• Track 2 : Squirty_50
• Track 3 : Melville_45, Xerxes_41, Magsby_41, Phloss_39, Schnauzer_42, Pipsqueaks_41, Parmesanjohn_41, Scitech_38, Aggie_39, Smurph_41, Fulbright_40, Tapioca_43, Chewbacca_43, Duplicity_41, Carcharodon_41, Silvy_41, Gex_41
• Track 4 : Jamie19_39, Panchino_38, Snekmaggedon_39, Phrann_43, Shweta_39, SpongeBob_39, Andies_39
• Track 5 : Bosection6_41
• Track 6 : SkinnyPete_37, Silvafighter_42, Frankie_58, MulchSalad_52, Charlie_40
• Track 7 : Journey_42
• Track 8 : LilSpotty_54

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

The start number called the most often in the published annotations is 1, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_39, Andies_39, Awesomesauce_54, Bosection6_41, Carcharodon_41, Charlie_40, Chewbacca_43, ChickenDinner_55, DocMcStuffins_52, Duplicity_41, Frankie_58, Fulbright_40, Gex_41, Jamie19_39, LilSpotty_54, Magsby_41, Melville_45, Misha28_52, MulchSalad_52, Panchino_38, Parmesanjohn_41, Phloss_39, Phrann_43, Piper2020_54, Pipsqueaks_41, Schnauzer_42, Scitech_38, Shweta_39, Silvafighter_42, Silvy_41, SkinnyPete_37, Smurph_41, Snekmaggedon_39, SpongeBob_39, Squirty_50, Tapioca_43, TootsiePop_52, Xerxes_41,

Genes that have the "Most Annotated" start but do not call it:
• Journey_42,

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

Summary by start number:

Start 1:
• Found in 39 of 39 (100.0%) of genes in pham
• Manual Annotations of this start: 31 of 31
• Called 97.4% of time when present
• Phage (with cluster) where this start called: Aggie_39 (N), Andies_39 (N), Awesomesauce_54 (F1), Bosection6_41 (N), Carcharodon_41 (N), Charlie_40 (N), Chewbacca_43 (N), ChickenDinner_55 (F1), DocMcStuffins_52 (F1), Duplicity_41 (N), Frankie_58 (F1), Fulbright_40 (N), Gex_41 (N), Jamie19_39 (N), LilSpotty_54 (singleton), Magsby_41 (N), Melville_45 (N), Misha28_52 (F1), MulchSalad_52 (F), Panchino_38 (N), Parmesanjohn_41 (N), Phloss_39 (N), Phrann_43 (N), Piper2020_54 (F1), Pipsqueaks_41 (N), Schnauzer_42 (N), Scitech_38 (N), Shweta_39 (N), Silvafighter_42 (N), Silvy_41 (N), SkinnyPete_37 (N), Smurph_41 (N), Snekmaggedon_39 (N), SpongeBob_39 (N), Squirty_50 (F3), Tapioca_43 (N), TootsiePop_52 (F1), Xerxes_41 (N),

Start 2:
• Found in 39 of 39 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 2.6% of time when present
• Phage (with cluster) where this start called: Journey_42 (N),

Summary by clusters:

There are 5 clusters represented in this pham: F1, singleton, F3, F, N,

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 5 times for cluster F1.

Info for manual annotations of cluster F3:
•Start number 1 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster N:
•Start number 1 was manually annotated 24 times for cluster N.

Gene Information:

Gene: Aggie_39 Start: 29238, Stop: 29492, Start Num: 1
Candidate Starts for Aggie_39:
(Start: 1 @29238 has 31 MA's), (2, 29283), (3, 29328), (7, 29433), (9, 29481),

Gene: Andies_39 Start: 29715, Stop: 29969, Start Num: 1
Candidate Starts for Andies_39:
(Start: 1 @29715 has 31 MA's), (2, 29760), (3, 29805), (7, 29910), (9, 29958),

Gene: Awesomesauce_54 Start: 36991, Stop: 37254, Start Num: 1
Candidate Starts for Awesomesauce_54:
(Start: 1 @36991 has 31 MA's), (2, 37048), (3, 37093), (4, 37129), (6, 37168), (7, 37195), (9, 37243),

Gene: Bosection6_41 Start: 29134, Stop: 29388, Start Num: 1
Candidate Starts for Bosection6_41:
(Start: 1 @29134 has 31 MA's), (2, 29179), (3, 29224), (7, 29329), (9, 29377),

Gene: Carcharodon_41 Start: 30399, Stop: 30653, Start Num: 1
Candidate Starts for Carcharodon_41:
(Start: 1 @30399 has 31 MA's), (2, 30444), (3, 30489), (7, 30594), (9, 30642),

Gene: Charlie_40 Start: 29132, Stop: 29386, Start Num: 1
Candidate Starts for Charlie_40:
(Start: 1 @29132 has 31 MA's), (2, 29177), (3, 29222), (7, 29327), (8, 29360), (9, 29375),

Gene: Chewbacca_43 Start: 30399, Stop: 30653, Start Num: 1
Candidate Starts for Chewbacca_43:
(Start: 1 @30399 has 31 MA's), (2, 30444), (3, 30489), (7, 30594), (9, 30642),

Gene: ChickenDinner_55 Start: 37729, Stop: 37992, Start Num: 1
Candidate Starts for ChickenDinner_55:
(Start: 1 @37729 has 31 MA's), (2, 37786), (3, 37831), (4, 37867), (6, 37906), (7, 37933), (9, 37981),

Gene: DocMcStuffins_52 Start: 37729, Stop: 37992, Start Num: 1
Candidate Starts for DocMcStuffins_52:
(Start: 1 @37729 has 31 MA's), (2, 37786), (3, 37831), (4, 37867), (6, 37906), (7, 37933), (9, 37981),

Gene: Duplicity_41 Start: 30408, Stop: 30662, Start Num: 1
Candidate Starts for Duplicity_41:
(Start: 1 @30408 has 31 MA's), (2, 30453), (3, 30498), (7, 30603), (9, 30651),

Gene: Frankie_58 Start: 39317, Stop: 39571, Start Num: 1
Candidate Starts for Frankie_58:
(Start: 1 @39317 has 31 MA's), (2, 39362), (3, 39407), (7, 39512), (8, 39545), (9, 39560),

Gene: Fulbright_40 Start: 29488, Stop: 29742, Start Num: 1
Candidate Starts for Fulbright_40:
(Start: 1 @29488 has 31 MA's), (2, 29533), (3, 29578), (7, 29683), (9, 29731),

Gene: Gex_41 Start: 30415, Stop: 30669, Start Num: 1
Candidate Starts for Gex_41:
(Start: 1 @30415 has 31 MA's), (2, 30460), (3, 30505), (7, 30610), (9, 30658),

Gene: Jamie19_39 Start: 29596, Stop: 29850, Start Num: 1
Candidate Starts for Jamie19_39:
(Start: 1 @29596 has 31 MA's), (2, 29641), (3, 29686), (7, 29791), (9, 29839),

Gene: Journey_42 Start: 29177, Stop: 29386, Start Num: 2
Candidate Starts for Journey_42:
(Start: 1 @29132 has 31 MA's), (2, 29177), (3, 29222), (7, 29327), (8, 29360), (9, 29375),

Gene: LilSpotty_54 Start: 36266, Stop: 36523, Start Num: 1
Candidate Starts for LilSpotty_54:
(Start: 1 @36266 has 31 MA's), (2, 36311), (3, 36356), (5, 36428), (7, 36464), (8, 36497), (9, 36512),

Gene: Magsby_41 Start: 30416, Stop: 30670, Start Num: 1

Candidate Starts for Magsby_41:
(Start: 1 @30416 has 31 MA's), (2, 30461), (3, 30506), (7, 30611), (9, 30659),

Gene: Melville_45 Start: 30400, Stop: 30654, Start Num: 1
Candidate Starts for Melville_45:
(Start: 1 @30400 has 31 MA's), (2, 30445), (3, 30490), (7, 30595), (9, 30643),

Gene: Misha28_52 Start: 36996, Stop: 37259, Start Num: 1
Candidate Starts for Misha28_52:
(Start: 1 @36996 has 31 MA's), (2, 37053), (3, 37098), (4, 37134), (6, 37173), (7, 37200), (9, 37248),

Gene: MulchSalad_52 Start: 35286, Stop: 35540, Start Num: 1
Candidate Starts for MulchSalad_52:
(Start: 1 @35286 has 31 MA's), (2, 35331), (3, 35376), (7, 35481), (8, 35514), (9, 35529),

Gene: Panchino_38 Start: 30942, Stop: 31196, Start Num: 1
Candidate Starts for Panchino_38:
(Start: 1 @30942 has 31 MA's), (2, 30987), (3, 31032), (7, 31137), (9, 31185),

Gene: Parmesanjohn_41 Start: 30419, Stop: 30673, Start Num: 1
Candidate Starts for Parmesanjohn_41:
(Start: 1 @30419 has 31 MA's), (2, 30464), (3, 30509), (7, 30614), (9, 30662),

Gene: Phloss_39 Start: 29826, Stop: 30080, Start Num: 1
Candidate Starts for Phloss_39:
(Start: 1 @29826 has 31 MA's), (2, 29871), (3, 29916), (7, 30021), (9, 30069),

Gene: Phrann_43 Start: 31622, Stop: 31876, Start Num: 1
Candidate Starts for Phrann_43:
(Start: 1 @31622 has 31 MA's), (2, 31667), (3, 31712), (7, 31817), (9, 31865),

Gene: Piper2020_54 Start: 37712, Stop: 37975, Start Num: 1
Candidate Starts for Piper2020_54:
(Start: 1 @37712 has 31 MA's), (2, 37769), (3, 37814), (4, 37850), (6, 37889), (7, 37916), (9, 37964),

Gene: Pipsqueaks_41 Start: 30396, Stop: 30650, Start Num: 1
Candidate Starts for Pipsqueaks_41:
(Start: 1 @30396 has 31 MA's), (2, 30441), (3, 30486), (7, 30591), (9, 30639),

Gene: Schnauzer_42 Start: 30419, Stop: 30673, Start Num: 1
Candidate Starts for Schnauzer_42:
(Start: 1 @30419 has 31 MA's), (2, 30464), (3, 30509), (7, 30614), (9, 30662),

Gene: Scitech_38 Start: 28435, Stop: 28689, Start Num: 1
Candidate Starts for Scitech_38:
(Start: 1 @28435 has 31 MA's), (2, 28480), (3, 28525), (7, 28630), (9, 28678),

Gene: Shweta_39 Start: 29726, Stop: 29980, Start Num: 1
Candidate Starts for Shweta_39:
(Start: 1 @29726 has 31 MA's), (2, 29771), (3, 29816), (7, 29921), (9, 29969),

Gene: Silvafighter_42 Start: 30392, Stop: 30646, Start Num: 1
Candidate Starts for Silvafighter_42:

(Start: 1 @30392 has 31 MA's), (2, 30437), (3, 30482), (7, 30587), (8, 30620), (9, 30635),

Gene: Silvy_41 Start: 29238, Stop: 29492, Start Num: 1
Candidate Starts for Silvy_41:
(Start: 1 @29238 has 31 MA's), (2, 29283), (3, 29328), (7, 29433), (9, 29481),

Gene: SkinnyPete_37 Start: 28060, Stop: 28314, Start Num: 1
Candidate Starts for SkinnyPete_37:
(Start: 1 @28060 has 31 MA's), (2, 28105), (3, 28150), (7, 28255), (8, 28288), (9, 28303),

Gene: Smurph_41 Start: 30419, Stop: 30673, Start Num: 1
Candidate Starts for Smurph_41:
(Start: 1 @30419 has 31 MA's), (2, 30464), (3, 30509), (7, 30614), (9, 30662),

Gene: Snekmaggedon_39 Start: 29596, Stop: 29850, Start Num: 1
Candidate Starts for Snekmaggedon_39:
(Start: 1 @29596 has 31 MA's), (2, 29641), (3, 29686), (7, 29791), (9, 29839),

Gene: SpongeBob_39 Start: 29596, Stop: 29850, Start Num: 1
Candidate Starts for SpongeBob_39:
(Start: 1 @29596 has 31 MA's), (2, 29641), (3, 29686), (7, 29791), (9, 29839),

Gene: Squirty_50 Start: 36035, Stop: 36286, Start Num: 1
Candidate Starts for Squirty_50:
(Start: 1 @36035 has 31 MA's), (2, 36080), (3, 36125), (4, 36161), (6, 36200), (7, 36227), (9, 36275),

Gene: Tapioca_43 Start: 30385, Stop: 30639, Start Num: 1
Candidate Starts for Tapioca_43:
(Start: 1 @30385 has 31 MA's), (2, 30430), (3, 30475), (7, 30580), (9, 30628),

Gene: TootsiePop_52 Start: 36996, Stop: 37259, Start Num: 1
Candidate Starts for TootsiePop_52:
(Start: 1 @36996 has 31 MA's), (2, 37053), (3, 37098), (4, 37134), (6, 37173), (7, 37200), (9, 37248),

Gene: Xerxes_41 Start: 30416, Stop: 30670, Start Num: 1
Candidate Starts for Xerxes_41:
(Start: 1 @30416 has 31 MA's), (2, 30461), (3, 30506), (7, 30611), (9, 30659),