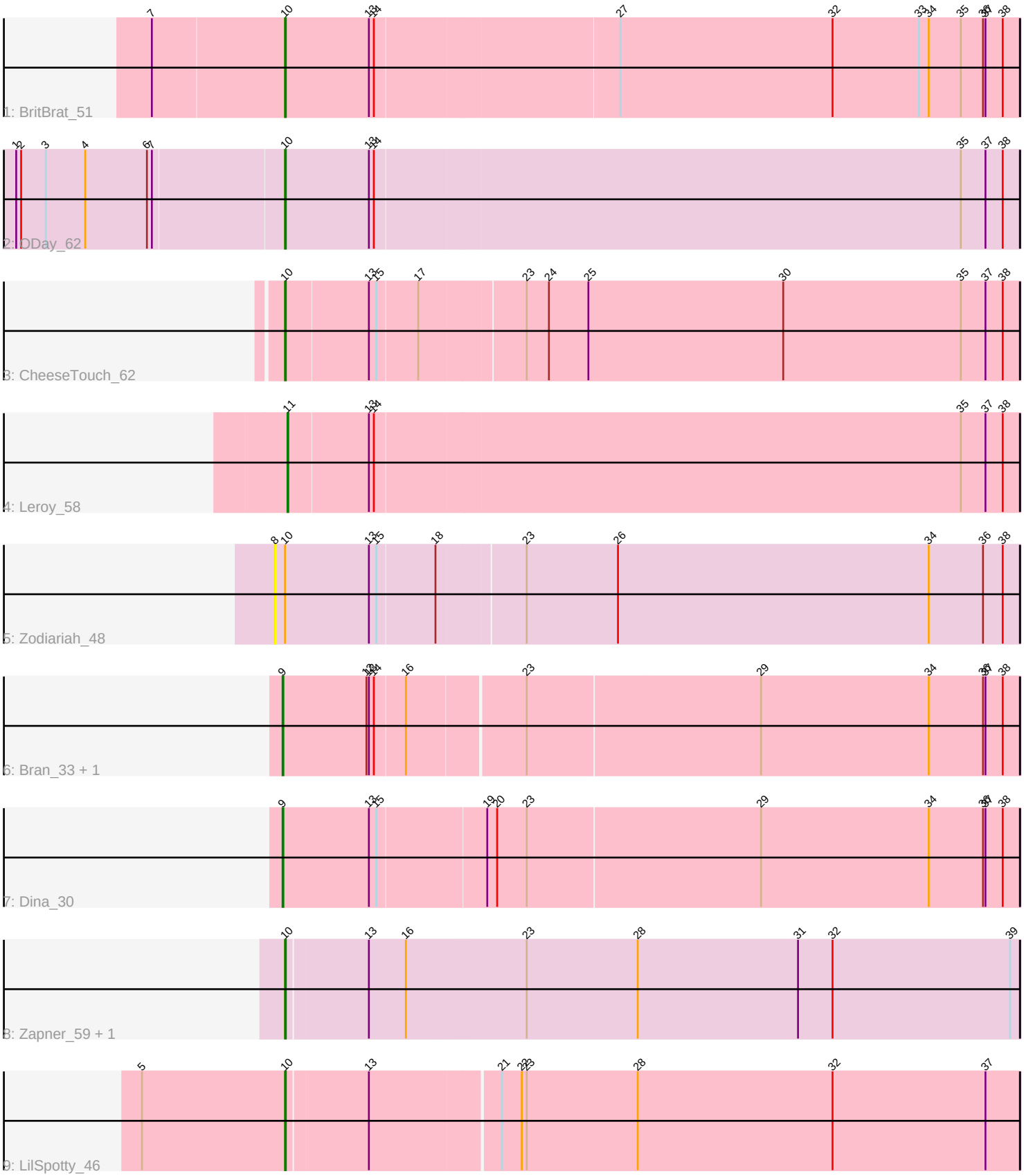
Pham 203538


1: BritBrat_51
2: DDay_62
3: CheeseTouch_62
4: Leroy_58
5: Zodiariah_48
6: Bran_33 + 1
7: Dina_30
8: Zapner_59 + 1
9: LilSpotty_46

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 203538 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203538 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BritBrat_51
• Track 2 : ODay_62
• Track 3 : CheeseTouch_62
• Track 4 : Leroy_58
• Track 5 : Zodiariah_48
• Track 6 : Bran_33, Adelaide_30
• Track 7 : Dina_30
• Track 8 : Zapner_59, Jabbawokkie_61
• Track 9 : LilSpotty_46

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BritBrat_51, CheeseTouch_62, Jabbawokkie_61, LilSpotty_46, ODay_62, Zapner_59,

Genes that have the "Most Annotated" start but do not call it:
• Zodiariah_48,

Genes that do not have the "Most Annotated" start:
• Adelaide_30, Bran_33, Dina_30, Leroy_58,

Summary by start number:

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zodiariah_48 (DW),

Start 9:

• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adelaide_30 (EP), Bran_33 (EP), Dina_30 (EP),

Start 10:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 85.7% of time when present
• Phage (with cluster) where this start called: BritBrat_51 (CY2), CheeseTouch_62 (DN1), Jabbawokkie_61 (F2), LilSpotty_46 (singleton), ODay_62 (DN), Zapner_59 (F2),

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Leroy_58 (DN1),

Summary by clusters:

There are 7 clusters represented in this pham: DN, CY2, singleton, F2, DN1, DW, EP,

Info for manual annotations of cluster CY2:
•Start number 10 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:
•Start number 10 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 10 was manually annotated 1 time for cluster DN1.
•Start number 11 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster EP:
•Start number 9 was manually annotated 3 times for cluster EP.

Info for manual annotations of cluster F2:
•Start number 10 was manually annotated 2 times for cluster F2.

Gene Information:

Gene: Adelaide_30 Start: 26443, Stop: 27321, Start Num: 9
Candidate Starts for Adelaide_30:
(Start: 9 @26443 has 3 MA's), (12, 26545), (13, 26548), (14, 26554), (16, 26590), (23, 26728), (29, 27007), (34, 27211), (36, 27277), (37, 27280), (38, 27301),

Gene: Bran_33 Start: 28148, Stop: 29026, Start Num: 9
Candidate Starts for Bran_33:

(Start: 9 @28148 has 3 MA's), (12, 28250), (13, 28253), (14, 28259), (16, 28295), (23, 28433), (29, 28712), (34, 28916), (36, 28982), (37, 28985), (38, 29006),

Gene: BritBrat_51 Start: 37037, Stop: 37918, Start Num: 10
Candidate Starts for BritBrat_51:
(7, 36878), (Start: 10 @37037 has 6 MA's), (13, 37139), (14, 37145), (27, 37433), (32, 37691), (33, 37796), (34, 37808), (35, 37847), (36, 37874), (37, 37877), (38, 37898),

Gene: CheeseTouch_62 Start: 34639, Stop: 35517, Start Num: 10
Candidate Starts for CheeseTouch_62:
(Start: 10 @34639 has 6 MA's), (13, 34738), (15, 34747), (17, 34795), (23, 34918), (24, 34945), (25, 34993), (30, 35230), (35, 35446), (37, 35476), (38, 35497),

Gene: Dina_30 Start: 25374, Stop: 26258, Start Num: 9
Candidate Starts for Dina_30:
(Start: 9 @25374 has 3 MA's), (13, 25479), (15, 25488), (19, 25617), (20, 25629), (23, 25665), (29, 25944), (34, 26148), (36, 26214), (37, 26217), (38, 26238),

Gene: Jabbawokkie_61 Start: 36226, Stop: 37107, Start Num: 10
Candidate Starts for Jabbawokkie_61:
(Start: 10 @36226 has 6 MA's), (13, 36322), (16, 36367), (23, 36508), (28, 36643), (31, 36838), (32, 36880), (39, 37096),

Gene: Leroy_58 Start: 36986, Stop: 37864, Start Num: 11
Candidate Starts for Leroy_58:
(Start: 11 @36986 has 1 MA's), (13, 37082), (14, 37088), (35, 37793), (37, 37823), (38, 37844),

Gene: LilSpotty_46 Start: 32678, Stop: 33556, Start Num: 10
Candidate Starts for LilSpotty_46:
(5, 32504), (Start: 10 @32678 has 6 MA's), (13, 32774), (21, 32927), (22, 32951), (23, 32957), (28, 33092), (32, 33329), (37, 33515),

Gene: ODay_62 Start: 38884, Stop: 39768, Start Num: 10
Candidate Starts for ODay_62:
(1, 38563), (2, 38569), (3, 38599), (4, 38647), (6, 38722), (7, 38728), (Start: 10 @38884 has 6 MA's), (13, 38986), (14, 38992), (35, 39697), (37, 39727), (38, 39748),

Gene: Zapner_59 Start: 36227, Stop: 37108, Start Num: 10
Candidate Starts for Zapner_59:
(Start: 10 @36227 has 6 MA's), (13, 36323), (16, 36368), (23, 36509), (28, 36644), (31, 36839), (32, 36881), (39, 37097),

Gene: Zodiariah_48 Start: 37506, Stop: 38399, Start Num: 8
Candidate Starts for Zodiariah_48:
(8, 37506), (Start: 10 @37518 has 6 MA's), (13, 37620), (15, 37629), (18, 37698), (23, 37800), (26, 37911), (34, 38289), (36, 38355), (38, 38379),