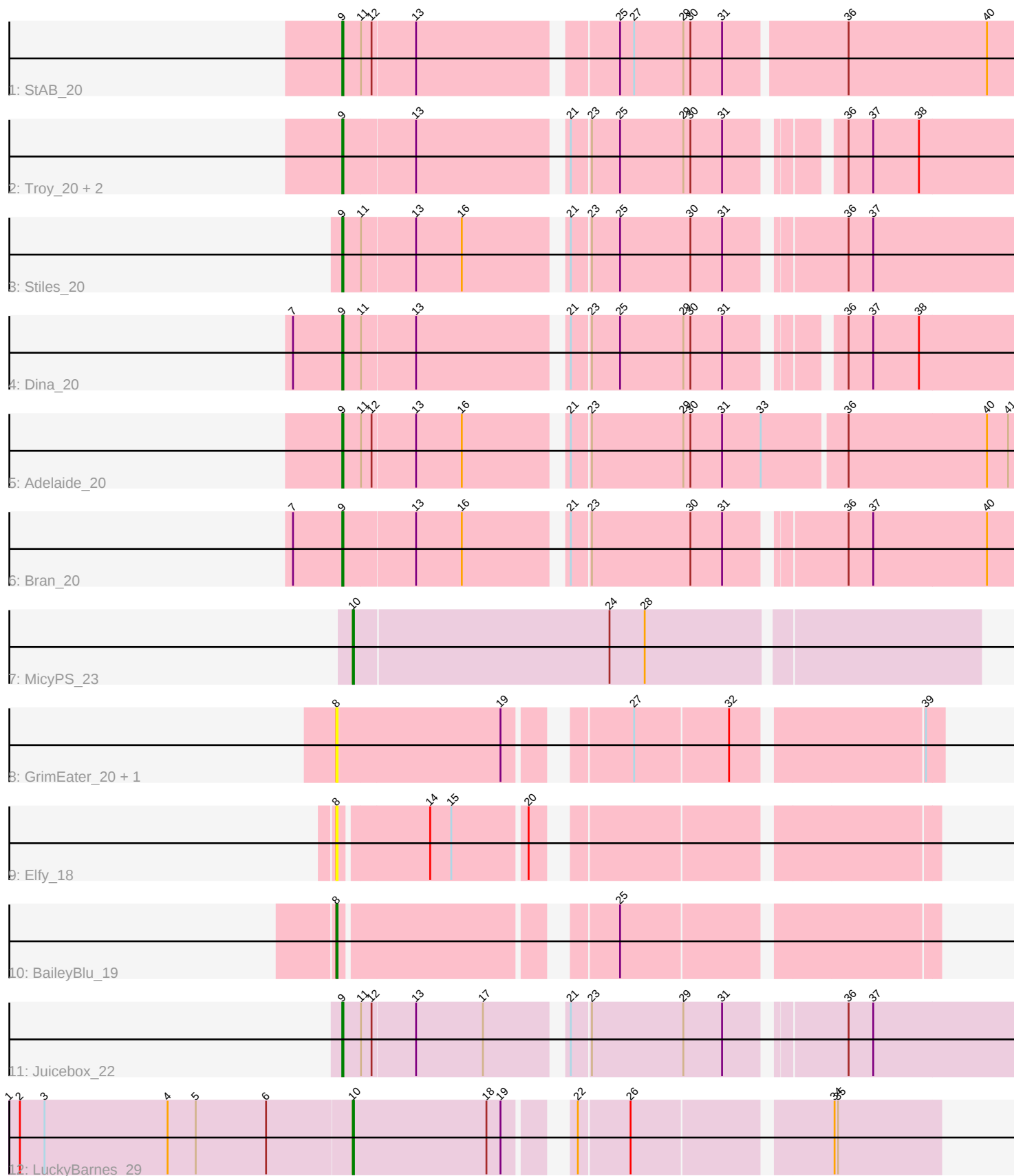


Pham 247449



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 247449 Report

This analysis was run 02/07/26 on database version 634.

Pham number 247449 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : StAB_20
- Track 2 : Troy_20, Lederberg_20, SamW_20
- Track 3 : Stiles_20
- Track 4 : Dina_20
- Track 5 : Adelaide_20
- Track 6 : Bran_20
- Track 7 : MicyPS_23
- Track 8 : GrimEater_20, Jankie_21
- Track 9 : Elfy_18
- Track 10 : BaileyBlu_19
- Track 11 : Juicebox_22
- Track 12 : LuckyBarnes_29

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 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adelaide_20, Bran_20, Dina_20, Juicebox_22, Lederberg_20, SamW_20, StAB_20, Stiles_20, Troy_20,

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

-

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

- BaileyBlu_19, Elfy_18, GrimEater_20, Jankie_21, LuckyBarnes_29, MicyPS_23,

Summary by start number:

Start 8:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BaileyBlu_19 (FP), Elfy_18 (FP), GrimEater_20 (FP), Jankie_21 (FP),

Start 9:

- Found in 9 of 15 (60.0%) of genes in pham
- Manual Annotations of this start: 9 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_20 (EP), Bran_20 (EP), Dina_20 (EP), Juicebox_22 (singleton), Lederberg_20 (EP), SamW_20 (EP), StAB_20 (EP), Stiles_20 (EP), Troy_20 (EP),

Start 10:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LuckyBarnes_29 (singleton), MicyPS_23 (EQ),

Summary by clusters:

There are 4 clusters represented in this pham: FP, singleton, EQ, EP,

Info for manual annotations of cluster EP:

- Start number 9 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:

- Start number 10 was manually annotated 1 time for cluster EQ.

Info for manual annotations of cluster FP:

- Start number 8 was manually annotated 1 time for cluster FP.

Gene Information:

Gene: Adelaide_20 Start: 19267, Stop: 19815, Start Num: 9

Candidate Starts for Adelaide_20:

(Start: 9 @19267 has 9 MA's), (11, 19282), (12, 19291), (13, 19327), (16, 19366), (21, 19444), (23, 19459), (29, 19537), (30, 19543), (31, 19570), (33, 19603), (36, 19672), (40, 19789), (41, 19807),

Gene: BaileyBlu_19 Start: 17194, Stop: 17649, Start Num: 8

Candidate Starts for BaileyBlu_19:

(Start: 8 @17194 has 1 MA's), (25, 17398),

Gene: Bran_20 Start: 19272, Stop: 19808, Start Num: 9

Candidate Starts for Bran_20:

(7, 19230), (Start: 9 @19272 has 9 MA's), (13, 19332), (16, 19371), (21, 19449), (23, 19464), (30, 19548), (31, 19575), (36, 19665), (37, 19686), (40, 19782),

Gene: Dina_20 Start: 19235, Stop: 19759, Start Num: 9

Candidate Starts for Dina_20:

(7, 19193), (Start: 9 @19235 has 9 MA's), (11, 19250), (13, 19295), (21, 19412), (23, 19427), (25, 19451), (29, 19505), (30, 19511), (31, 19538), (36, 19616), (37, 19637), (38, 19676),

Gene: Elfy_18 Start: 17178, Stop: 17633, Start Num: 8
Candidate Starts for Elfy_18:
(Start: 8 @17178 has 1 MA's), (14, 17250), (15, 17268), (20, 17328),

Gene: GrimEater_20 Start: 17410, Stop: 17874, Start Num: 8
Candidate Starts for GrimEater_20:
(Start: 8 @17410 has 1 MA's), (19, 17548), (27, 17632), (32, 17710), (39, 17860),

Gene: Jankie_21 Start: 17409, Stop: 17873, Start Num: 8
Candidate Starts for Jankie_21:
(Start: 8 @17409 has 1 MA's), (19, 17547), (27, 17631), (32, 17709), (39, 17859),

Gene: Juicebox_22 Start: 20675, Stop: 21211, Start Num: 9
Candidate Starts for Juicebox_22:
(Start: 9 @20675 has 9 MA's), (11, 20690), (12, 20699), (13, 20735), (17, 20792), (21, 20852), (23, 20867), (29, 20945), (31, 20978), (36, 21068), (37, 21089),

Gene: Lederberg_20 Start: 19257, Stop: 19781, Start Num: 9
Candidate Starts for Lederberg_20:
(Start: 9 @19257 has 9 MA's), (13, 19317), (21, 19434), (23, 19449), (25, 19473), (29, 19527), (30, 19533), (31, 19560), (36, 19638), (37, 19659), (38, 19698),

Gene: LuckyBarnes_29 Start: 27131, Stop: 27583, Start Num: 10
Candidate Starts for LuckyBarnes_29:
(1, 26840), (2, 26849), (3, 26870), (4, 26975), (5, 26999), (6, 27059), (Start: 10 @27131 has 2 MA's), (18, 27245), (19, 27257), (22, 27296), (26, 27338), (34, 27494), (35, 27497),

Gene: MicyPS_23 Start: 26139, Stop: 26657, Start Num: 10
Candidate Starts for MicyPS_23:
(Start: 10 @26139 has 2 MA's), (24, 26355), (28, 26385),

Gene: SamW_20 Start: 19236, Stop: 19760, Start Num: 9
Candidate Starts for SamW_20:
(Start: 9 @19236 has 9 MA's), (13, 19296), (21, 19413), (23, 19428), (25, 19452), (29, 19506), (30, 19512), (31, 19539), (36, 19617), (37, 19638), (38, 19677),

Gene: StAB_20 Start: 19260, Stop: 19805, Start Num: 9
Candidate Starts for StAB_20:
(Start: 9 @19260 has 9 MA's), (11, 19275), (12, 19284), (13, 19320), (25, 19476), (27, 19488), (29, 19530), (30, 19536), (31, 19563), (36, 19662), (40, 19779),

Gene: Stiles_20 Start: 19044, Stop: 19580, Start Num: 9
Candidate Starts for Stiles_20:
(Start: 9 @19044 has 9 MA's), (11, 19059), (13, 19104), (16, 19143), (21, 19221), (23, 19236), (25, 19260), (30, 19320), (31, 19347), (36, 19437), (37, 19458),

Gene: Troy_20 Start: 19236, Stop: 19760, Start Num: 9
Candidate Starts for Troy_20:
(Start: 9 @19236 has 9 MA's), (13, 19296), (21, 19413), (23, 19428), (25, 19452), (29, 19506), (30, 19512), (31, 19539), (36, 19617), (37, 19638), (38, 19677),