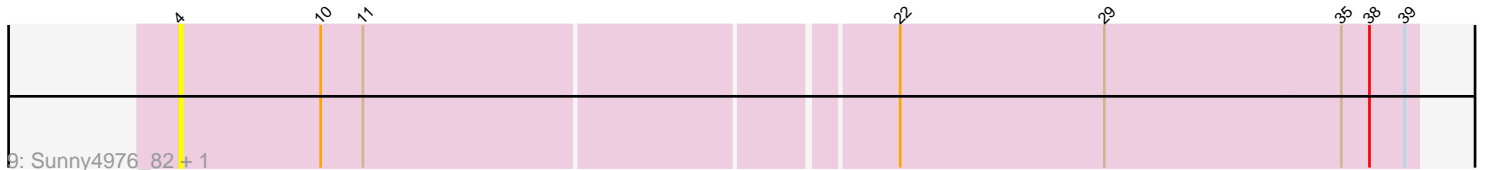
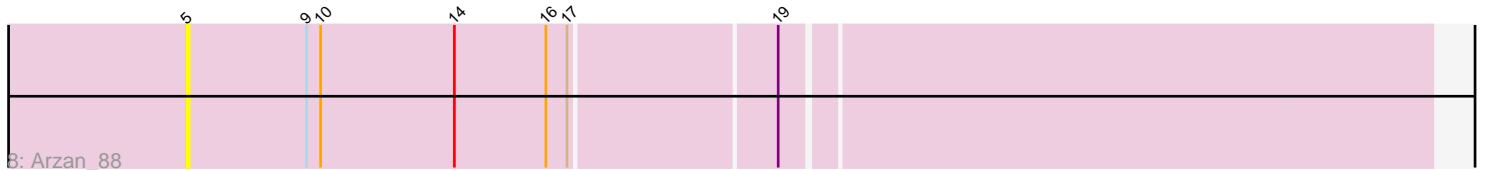
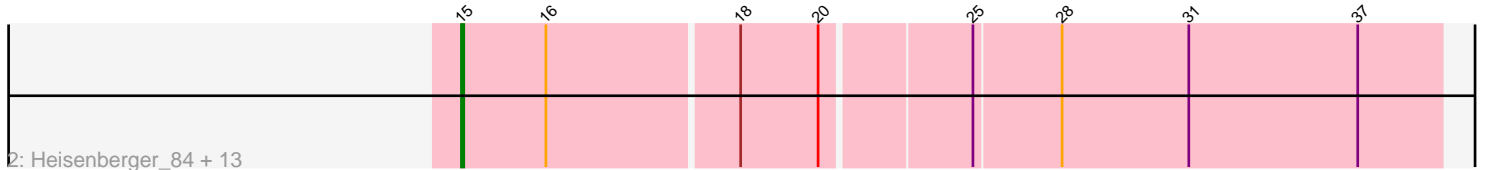
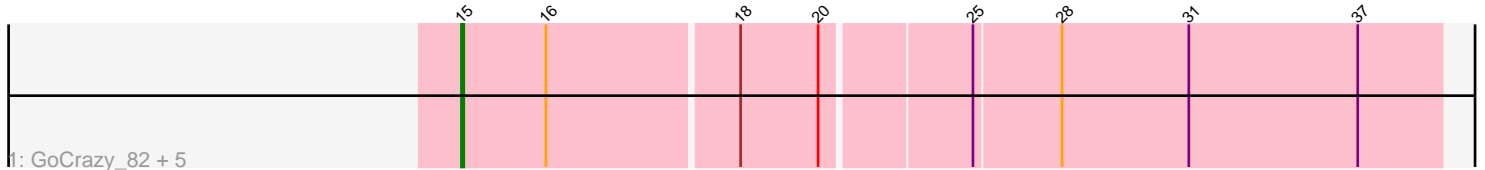


Pham 194245



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 194245 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194245 has 30 members, 4 are drafts.

Phages represented in each track:

- Track 1 : GoCrazy_82, Xenomorph_80, BenitoAntonio_85, Benllo_85, Cheesy_86, KeaneyLin_82
- Track 2 : Heisenberger_84, Elsa_85, Correa_83, Tribby_87, Mooshroom_86, Arcadia_85, Hankly_85, JEGGS_84, Mudcat_81, Circum_85, Kardesai_85, Nason_85, Dynamite_85, NapoleonB_86
- Track 3 : Adat_53, Nellie_53, GurgleFerb_53
- Track 4 : Casserole_53
- Track 5 : Jasmine_56
- Track 6 : Brad_53
- Track 7 : Sporto_76
- Track 8 : Arzan_88
- Track 9 : Sunny4976_82, Jazzy4900_83

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

The start number called the most often in the published annotations is 15, it was called in 19 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_85, BenitoAntonio_85, Benllo_85, Cheesy_86, Circum_85, Correa_83, Dynamite_85, Elsa_85, GoCrazy_82, Hankly_85, Heisenberger_84, JEGGS_84, Kardesai_85, KeaneyLin_82, Mooshroom_86, Mudcat_81, NapoleonB_86, Nason_85, Tribby_87, Xenomorph_80,

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

-

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

- Adat_53, Arzan_88, Brad_53, Casserole_53, GurgleFerb_53, Jasmine_56, Jazzy4900_83, Nellie_53, Sporto_76, Sunny4976_82,

Summary by start number:

Start 4:

- Found in 2 of 30 (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: Jazzy4900_83 (FI), Sunny4976_82 (FI),

Start 5:

- Found in 1 of 30 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_88 (FI),

Start 12:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jasmine_56 (AV),

Start 13:

- Found in 6 of 30 (20.0%) of genes in pham
- Manual Annotations of this start: 6 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_53 (AV), Brad_53 (AV), Casserole_53 (AV), GurgleFerb_53 (AV), Nellie_53 (AV), Sporto_76 (AW),

Start 15:

- Found in 20 of 30 (66.7%) of genes in pham
- Manual Annotations of this start: 19 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_85 (AM), BenitoAntonio_85 (AM), Benllo_85 (AM), Cheesy_86 (AM), Circum_85 (AM), Correa_83 (AM), Dynamite_85 (AM), Elsa_85 (AM), GoCrazy_82 (AM), Hankly_85 (AM), Heisenberger_84 (AM), JEGGS_84 (AM), Kardesai_85 (AM), KeaneyLin_82 (AM), Mooshroom_86 (AM), Mudcat_81 (AM), NapoleonB_86 (AM), Nason_85 (AM), Tribby_87 (AM), Xenomorph_80 (AM),

Summary by clusters:

There are 4 clusters represented in this pham: FI, AM, AW, AV,

Info for manual annotations of cluster AM:

- Start number 15 was manually annotated 19 times for cluster AM.

Info for manual annotations of cluster AV:

- Start number 12 was manually annotated 1 time for cluster AV.
- Start number 13 was manually annotated 5 times for cluster AV.

Info for manual annotations of cluster AW:

- Start number 13 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: Adat_53 Start: 43182, Stop: 42778, Start Num: 13
Candidate Starts for Adat_53:
(Start: 13 @43182 has 6 MA's), (23, 42993), (24, 42972), (26, 42951), (30, 42906), (36, 42807),

Gene: Arcadia_85 Start: 50574, Stop: 50978, Start Num: 15
Candidate Starts for Arcadia_85:
(Start: 15 @50574 has 19 MA's), (16, 50610), (18, 50688), (20, 50721), (25, 50781), (28, 50817), (31, 50871), (37, 50943),

Gene: Arzan_88 Start: 51953, Stop: 52468, Start Num: 5
Candidate Starts for Arzan_88:
(5, 51953), (9, 52004), (10, 52010), (14, 52067), (16, 52106), (17, 52115), (19, 52199),

Gene: BenitoAntonio_85 Start: 50151, Stop: 50555, Start Num: 15
Candidate Starts for BenitoAntonio_85:
(Start: 15 @50151 has 19 MA's), (16, 50187), (18, 50265), (20, 50298), (25, 50358), (28, 50394), (31, 50448), (37, 50520),

Gene: Benllo_85 Start: 50469, Stop: 50873, Start Num: 15
Candidate Starts for Benllo_85:
(Start: 15 @50469 has 19 MA's), (16, 50505), (18, 50583), (20, 50616), (25, 50676), (28, 50712), (31, 50766), (37, 50838),

Gene: Brad_53 Start: 43174, Stop: 42776, Start Num: 13
Candidate Starts for Brad_53:
(Start: 13 @43174 has 6 MA's), (23, 42985), (24, 42964), (26, 42943), (30, 42898),

Gene: Casserole_53 Start: 44279, Stop: 43875, Start Num: 13
Candidate Starts for Casserole_53:
(1, 44435), (2, 44426), (3, 44393), (6, 44375), (7, 44372), (Start: 13 @44279 has 6 MA's), (23, 44090), (24, 44069), (26, 44048), (30, 44003), (32, 43958), (36, 43907),

Gene: Cheesy_86 Start: 50366, Stop: 50770, Start Num: 15
Candidate Starts for Cheesy_86:
(Start: 15 @50366 has 19 MA's), (16, 50402), (18, 50480), (20, 50513), (25, 50573), (28, 50609), (31, 50663), (37, 50735),

Gene: Circum_85 Start: 50423, Stop: 50827, Start Num: 15
Candidate Starts for Circum_85:
(Start: 15 @50423 has 19 MA's), (16, 50459), (18, 50537), (20, 50570), (25, 50630), (28, 50666), (31, 50720), (37, 50792),

Gene: Correa_83 Start: 49923, Stop: 50327, Start Num: 15
Candidate Starts for Correa_83:
(Start: 15 @49923 has 19 MA's), (16, 49959), (18, 50037), (20, 50070), (25, 50130), (28, 50166), (31, 50220), (37, 50292),

Gene: Dynamite_85 Start: 49942, Stop: 50346, Start Num: 15
Candidate Starts for Dynamite_85:
(Start: 15 @49942 has 19 MA's), (16, 49978), (18, 50056), (20, 50089), (25, 50149), (28, 50185), (31, 50239), (37, 50311),

Gene: Elsa_85 Start: 50574, Stop: 50978, Start Num: 15

Candidate Starts for Elsa_85:

(Start: 15 @50574 has 19 MA's), (16, 50610), (18, 50688), (20, 50721), (25, 50781), (28, 50817), (31, 50871), (37, 50943),

Gene: GoCrazy_82 Start: 49202, Stop: 49606, Start Num: 15

Candidate Starts for GoCrazy_82:

(Start: 15 @49202 has 19 MA's), (16, 49238), (18, 49316), (20, 49349), (25, 49409), (28, 49445), (31, 49499), (37, 49571),

Gene: GurgleFerb_53 Start: 43181, Stop: 42777, Start Num: 13

Candidate Starts for GurgleFerb_53:

(Start: 13 @43181 has 6 MA's), (23, 42992), (24, 42971), (26, 42950), (30, 42905), (36, 42806),

Gene: Hankly_85 Start: 49580, Stop: 49984, Start Num: 15

Candidate Starts for Hankly_85:

(Start: 15 @49580 has 19 MA's), (16, 49616), (18, 49694), (20, 49727), (25, 49787), (28, 49823), (31, 49877), (37, 49949),

Gene: Heisenberger_84 Start: 49831, Stop: 50235, Start Num: 15

Candidate Starts for Heisenberger_84:

(Start: 15 @49831 has 19 MA's), (16, 49867), (18, 49945), (20, 49978), (25, 50038), (28, 50074), (31, 50128), (37, 50200),

Gene: JEGGS_84 Start: 49910, Stop: 50314, Start Num: 15

Candidate Starts for JEGGS_84:

(Start: 15 @49910 has 19 MA's), (16, 49946), (18, 50024), (20, 50057), (25, 50117), (28, 50153), (31, 50207), (37, 50279),

Gene: Jasmine_56 Start: 44695, Stop: 44300, Start Num: 12

Candidate Starts for Jasmine_56:

(Start: 12 @44695 has 1 MA's), (26, 44461), (30, 44416), (32, 44371), (36, 44320),

Gene: Jazzy4900_83 Start: 51980, Stop: 52492, Start Num: 4

Candidate Starts for Jazzy4900_83:

(4, 51980), (10, 52040), (11, 52058), (22, 52274), (29, 52361), (35, 52460), (38, 52472), (39, 52487),

Gene: Kardesai_85 Start: 49517, Stop: 49921, Start Num: 15

Candidate Starts for Kardesai_85:

(Start: 15 @49517 has 19 MA's), (16, 49553), (18, 49631), (20, 49664), (25, 49724), (28, 49760), (31, 49814), (37, 49886),

Gene: KeaneyLin_82 Start: 49645, Stop: 50049, Start Num: 15

Candidate Starts for KeaneyLin_82:

(Start: 15 @49645 has 19 MA's), (16, 49681), (18, 49759), (20, 49792), (25, 49852), (28, 49888), (31, 49942), (37, 50014),

Gene: Mooshroom_86 Start: 49517, Stop: 49921, Start Num: 15

Candidate Starts for Mooshroom_86:

(Start: 15 @49517 has 19 MA's), (16, 49553), (18, 49631), (20, 49664), (25, 49724), (28, 49760), (31, 49814), (37, 49886),

Gene: Mudcat_81 Start: 51268, Stop: 51672, Start Num: 15

Candidate Starts for Mudcat_81:

(Start: 15 @51268 has 19 MA's), (16, 51304), (18, 51382), (20, 51415), (25, 51475), (28, 51511), (31, 51565), (37, 51637),

Gene: NapoleonB_86 Start: 49942, Stop: 50346, Start Num: 15

Candidate Starts for NapoleonB_86:

(Start: 15 @49942 has 19 MA's), (16, 49978), (18, 50056), (20, 50089), (25, 50149), (28, 50185), (31, 50239), (37, 50311),

Gene: Nason_85 Start: 50574, Stop: 50978, Start Num: 15

Candidate Starts for Nason_85:

(Start: 15 @50574 has 19 MA's), (16, 50610), (18, 50688), (20, 50721), (25, 50781), (28, 50817), (31, 50871), (37, 50943),

Gene: Nellie_53 Start: 43182, Stop: 42778, Start Num: 13

Candidate Starts for Nellie_53:

(Start: 13 @43182 has 6 MA's), (23, 42993), (24, 42972), (26, 42951), (30, 42906), (36, 42807),

Gene: Sporto_76 Start: 49277, Stop: 49711, Start Num: 13

Candidate Starts for Sporto_76:

(8, 49196), (Start: 13 @49277 has 6 MA's), (17, 49328), (21, 49439), (27, 49532), (30, 49556), (33, 49643), (34, 49649),

Gene: Sunny4976_82 Start: 51980, Stop: 52492, Start Num: 4

Candidate Starts for Sunny4976_82:

(4, 51980), (10, 52040), (11, 52058), (22, 52274), (29, 52361), (35, 52460), (38, 52472), (39, 52487),

Gene: Tribby_87 Start: 50701, Stop: 51105, Start Num: 15

Candidate Starts for Tribby_87:

(Start: 15 @50701 has 19 MA's), (16, 50737), (18, 50815), (20, 50848), (25, 50908), (28, 50944), (31, 50998), (37, 51070),

Gene: Xenomorph_80 Start: 50228, Stop: 50632, Start Num: 15

Candidate Starts for Xenomorph_80:

(Start: 15 @50228 has 19 MA's), (16, 50264), (18, 50342), (20, 50375), (25, 50435), (28, 50471), (31, 50525), (37, 50597),