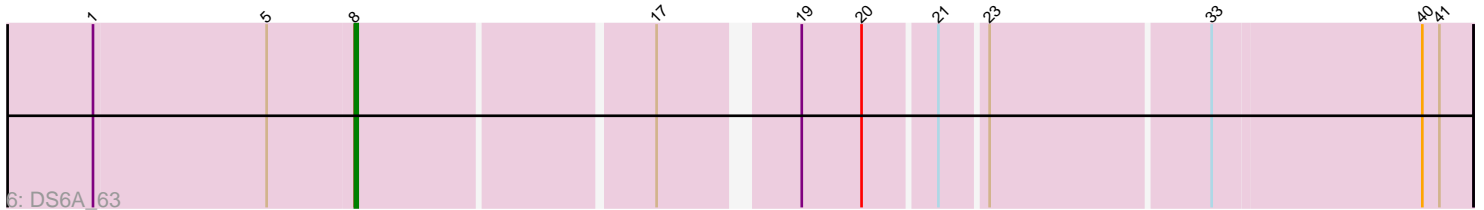
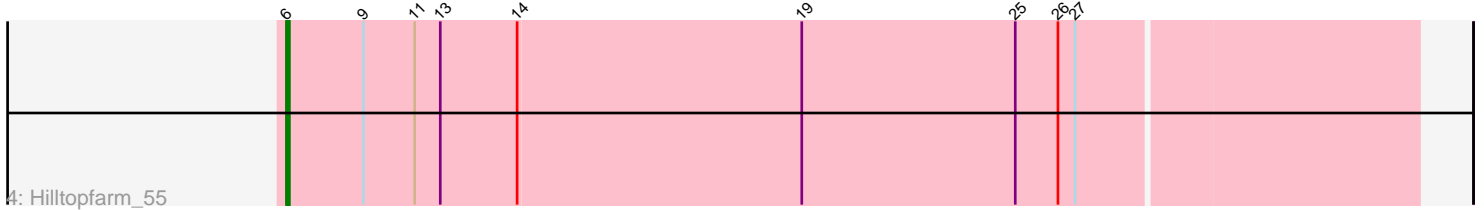
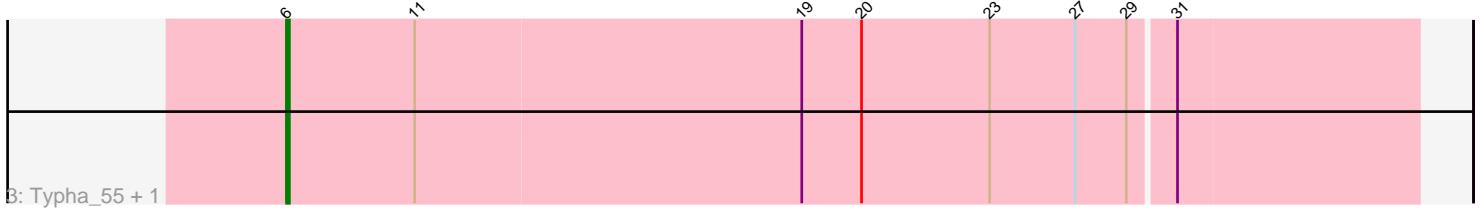
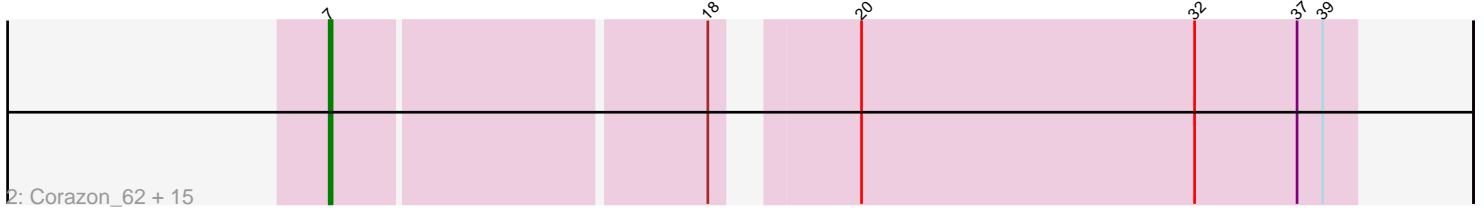


Pham 194308



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 194308 Report

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

Pham number 194308 has 23 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Toron_58
- Track 2 : Corazon_62, Caprice_59, Marvin_60, Pringar_63, Blackbeetle_64, VasuNzinga_63, Huphlebuff_66, Gattaca_62, MosMoris_61, Raela_64, Tesla_61, Beelzebub_68, JoieB_65, RedRaider77_63, Poise_64, Clarkson_65
- Track 3 : Typha_55, AuntGwenStacy_56
- Track 4 : Hilltopfarm_55
- Track 5 : MooMoo_52
- Track 6 : DS6A_63
- Track 7 : LilSpotty_55

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

The start number called the most often in the published annotations is 7, it was called in 15 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beelzebub_68, Blackbeetle_64, Caprice_59, Clarkson_65, Corazon_62, Gattaca_62, Huphlebuff_66, JoieB_65, Marvin_60, MosMoris_61, Poise_64, Pringar_63, Raela_64, RedRaider77_63, Tesla_61, VasuNzinga_63,

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

-

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

- AuntGwenStacy_56, DS6A_63, Hilltopfarm_55, LilSpotty_55, MooMoo_52, Toron_58, Typha_55,

Summary by start number:

Start 2:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_55 (singleton),

Start 3:

- Found in 2 of 23 (8.7%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MooMoo_52 (singleton), Toron_58 (F6),

Start 6:

- Found in 3 of 23 (13.0%) of genes in pham
- Manual Annotations of this start: 2 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_56 (Y), Hilltopfarm_55 (Y), Typha_55 (Y),

Start 7:

- Found in 16 of 23 (69.6%) of genes in pham
- Manual Annotations of this start: 15 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_68 (S), Blackbeetle_64 (S), Caprice_59 (S), Clarkson_65 (S), Corazon_62 (S), Gattaca_62 (S), Huphlepuuff_66 (S), JoieB_65 (S), Marvin_60 (S), MosMoris_61 (S), Poise_64 (S), Pringar_63 (S), Raela_64 (S), RedRaider77_63 (S), Tesla_61 (S), VasuNzinga_63 (S),

Start 8:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_63 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: Y, S, singleton, F6,

Info for manual annotations of cluster S:

- Start number 7 was manually annotated 15 times for cluster S.

Info for manual annotations of cluster Y:

- Start number 6 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_56 Start: 41882, Stop: 42274, Start Num: 6

Candidate Starts for AuntGwenStacy_56:

(Start: 6 @41882 has 2 MA's), (11, 41927), (19, 42062), (20, 42083), (23, 42128), (27, 42158), (29, 42176), (31, 42191),

Gene: Beelzebub_68 Start: 36994, Stop: 37332, Start Num: 7

Candidate Starts for Beelzebub_68:

(Start: 7 @36994 has 15 MA's), (18, 37120), (20, 37159), (32, 37276), (37, 37312), (39, 37321),

Gene: Blackbeetle_64 Start: 36039, Stop: 36377, Start Num: 7

Candidate Starts for Blackbeetle_64:

(Start: 7 @36039 has 15 MA's), (18, 36165), (20, 36204), (32, 36321), (37, 36357), (39, 36366),

Gene: Caprice_59 Start: 36353, Stop: 36691, Start Num: 7

Candidate Starts for Caprice_59:

(Start: 7 @36353 has 15 MA's), (18, 36479), (20, 36518), (32, 36635), (37, 36671), (39, 36680),

Gene: Clarkson_65 Start: 36722, Stop: 37060, Start Num: 7

Candidate Starts for Clarkson_65:

(Start: 7 @36722 has 15 MA's), (18, 36848), (20, 36887), (32, 37004), (37, 37040), (39, 37049),

Gene: Corazon_62 Start: 36916, Stop: 37254, Start Num: 7

Candidate Starts for Corazon_62:

(Start: 7 @36916 has 15 MA's), (18, 37042), (20, 37081), (32, 37198), (37, 37234), (39, 37243),

Gene: DS6A_63 Start: 41803, Stop: 42168, Start Num: 8

Candidate Starts for DS6A_63:

(1, 41713), (5, 41773), (Start: 8 @41803 has 1 MA's), (17, 41902), (19, 41944), (20, 41965), (21, 41989), (23, 42004), (33, 42079), (40, 42151), (41, 42157),

Gene: Gattaca_62 Start: 36143, Stop: 36481, Start Num: 7

Candidate Starts for Gattaca_62:

(Start: 7 @36143 has 15 MA's), (18, 36269), (20, 36308), (32, 36425), (37, 36461), (39, 36470),

Gene: Hilltopfarm_55 Start: 41574, Stop: 41966, Start Num: 6

Candidate Starts for Hilltopfarm_55:

(Start: 6 @41574 has 2 MA's), (9, 41601), (11, 41619), (13, 41628), (14, 41655), (19, 41754), (25, 41829), (26, 41844), (27, 41850),

Gene: Huphlebuff_66 Start: 36527, Stop: 36865, Start Num: 7

Candidate Starts for Huphlebuff_66:

(Start: 7 @36527 has 15 MA's), (18, 36653), (20, 36692), (32, 36809), (37, 36845), (39, 36854),

Gene: JoieB_65 Start: 36960, Stop: 37298, Start Num: 7

Candidate Starts for JoieB_65:

(Start: 7 @36960 has 15 MA's), (18, 37086), (20, 37125), (32, 37242), (37, 37278), (39, 37287),

Gene: LilSpotty_55 Start: 36520, Stop: 36927, Start Num: 2

Candidate Starts for LilSpotty_55:

(Start: 2 @36520 has 1 MA's), (4, 36565), (10, 36616), (12, 36631), (15, 36700), (16, 36703), (20, 36769), (30, 36865), (32, 36877), (38, 36916),

Gene: Marvin_60 Start: 36210, Stop: 36548, Start Num: 7

Candidate Starts for Marvin_60:

(Start: 7 @36210 has 15 MA's), (18, 36336), (20, 36375), (32, 36492), (37, 36528), (39, 36537),

Gene: MooMoo_52 Start: 37750, Stop: 38121, Start Num: 3

Candidate Starts for MooMoo_52:

(Start: 3 @37750 has 1 MA's), (10, 37816), (12, 37831), (20, 37969), (21, 37993), (24, 38014), (28, 38044), (33, 38083), (34, 38101), (35, 38104), (36, 38110),

Gene: MosMoris_61 Start: 36143, Stop: 36481, Start Num: 7

Candidate Starts for MosMoris_61:

(Start: 7 @36143 has 15 MA's), (18, 36269), (20, 36308), (32, 36425), (37, 36461), (39, 36470),

Gene: Poise_64 Start: 36039, Stop: 36377, Start Num: 7

Candidate Starts for Poise_64:

(Start: 7 @36039 has 15 MA's), (18, 36165), (20, 36204), (32, 36321), (37, 36357), (39, 36366),

Gene: Pringar_63 Start: 36328, Stop: 36666, Start Num: 7

Candidate Starts for Pringar_63:

(Start: 7 @36328 has 15 MA's), (18, 36454), (20, 36493), (32, 36610), (37, 36646), (39, 36655),

Gene: Raela_64 Start: 36596, Stop: 36934, Start Num: 7

Candidate Starts for Raela_64:

(Start: 7 @36596 has 15 MA's), (18, 36722), (20, 36761), (32, 36878), (37, 36914), (39, 36923),

Gene: RedRaider77_63 Start: 35984, Stop: 36322, Start Num: 7

Candidate Starts for RedRaider77_63:

(Start: 7 @35984 has 15 MA's), (18, 36110), (20, 36149), (32, 36266), (37, 36302), (39, 36311),

Gene: Tesla_61 Start: 35833, Stop: 36171, Start Num: 7

Candidate Starts for Tesla_61:

(Start: 7 @35833 has 15 MA's), (18, 35959), (20, 35998), (32, 36115), (37, 36151), (39, 36160),

Gene: Toron_58 Start: 39897, Stop: 40268, Start Num: 3

Candidate Starts for Toron_58:

(Start: 3 @39897 has 1 MA's), (12, 39978), (20, 40116), (21, 40140), (22, 40155), (23, 40158), (28, 40191), (33, 40230), (34, 40248), (35, 40251), (36, 40257),

Gene: Typha_55 Start: 41882, Stop: 42274, Start Num: 6

Candidate Starts for Typha_55:

(Start: 6 @41882 has 2 MA's), (11, 41927), (19, 42062), (20, 42083), (23, 42128), (27, 42158), (29, 42176), (31, 42191),

Gene: VasuNzinga_63 Start: 35902, Stop: 36240, Start Num: 7

Candidate Starts for VasuNzinga_63:

(Start: 7 @35902 has 15 MA's), (18, 36028), (20, 36067), (32, 36184), (37, 36220), (39, 36229),