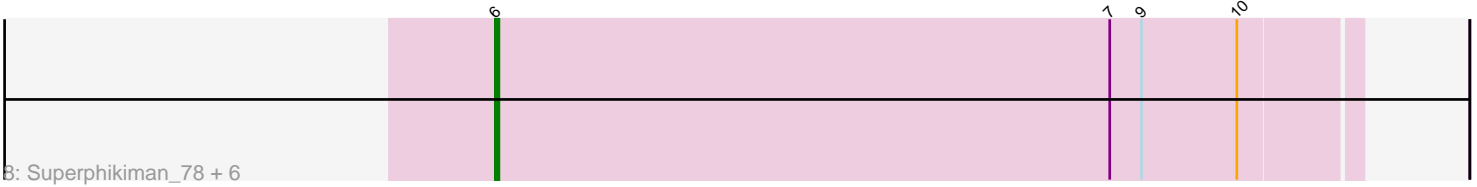
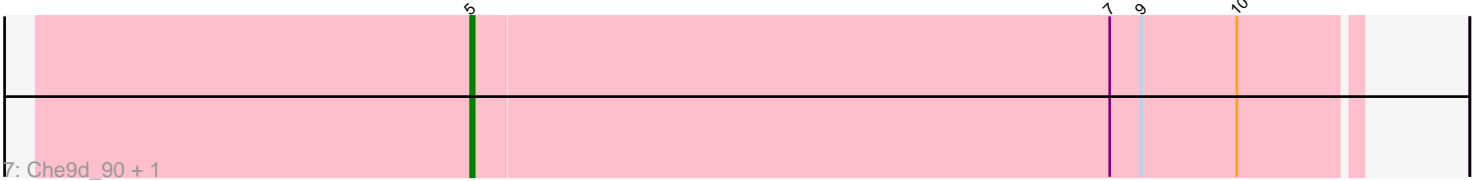
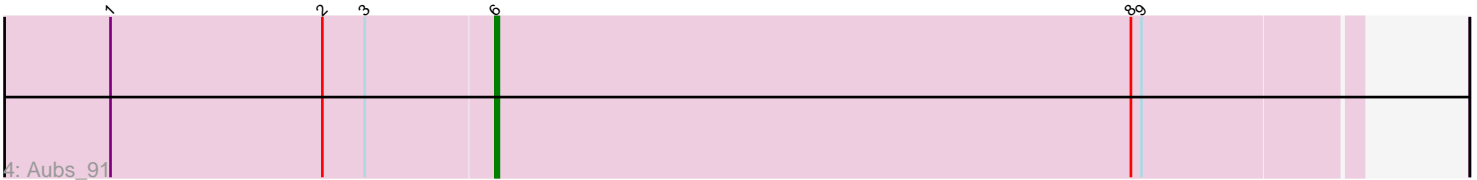
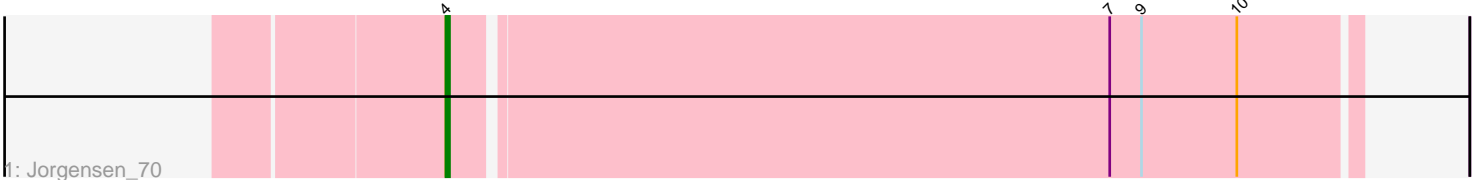


Pham 2608



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 2608 Report

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

Pham number 2608 has 34 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Jorgensen_70
- Track 2 : JoeyJr_94, Leperchaun_93, Rockne_94, Enby_95, Drago_90, BodEinwohner17_101, Sassafras_93, Inventum_89, DirtMcgirt_92, Boomer_94, PMC_90, RedBird_92, UncleRicky_91, Dorothy_92, Lorde_94
- Track 3 : ArcusAngelus_92, Mandlovu_89, Spartacus_98, Strokeseat_89, Hlubikazi_89, Chevrolet_98
- Track 4 : Aubs_91
- Track 5 : Ogopogo_84
- Track 6 : KristaRAM_94
- Track 7 : Che9d_90, Demsculpinboyz_88
- Track 8 : Superphikiman_78, Porcelain_80, Ariel_80, MiaZeal_81, Squint_81, Lucky2013_78, Courthouse_76

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

The start number called the most often in the published annotations is 6, it was called in 29 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArcusAngelus_92, Ariel_80, Aubs_91, BodEinwohner17_101, Boomer_94, Chevrolet_98, Courthouse_76, DirtMcgirt_92, Dorothy_92, Drago_90, Enby_95, Hlubikazi_89, Inventum_89, JoeyJr_94, KristaRAM_94, Leperchaun_93, Lorde_94, Lucky2013_78, Mandlovu_89, MiaZeal_81, PMC_90, Porcelain_80, RedBird_92, Rockne_94, Sassafras_93, Spartacus_98, Squint_81, Strokeseat_89, Superphikiman_78, UncleRicky_91,

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

-

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

- Che9d_90, Demsculpinboyz_88, Jorgensen_70, Ogopogo_84,

Summary by start number:

Start 4:

- Found in 1 of 34 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jorgensen_70 (A1),

Start 5:

- Found in 3 of 34 (8.8%) of genes in pham
- Manual Annotations of this start: 3 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Che9d_90 (F2), Demsculpinboyz_88 (F2), Ogopogo_84 (F1),

Start 6:

- Found in 30 of 34 (88.2%) of genes in pham
- Manual Annotations of this start: 29 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArcusAngelus_92 (F1), Ariel_80 (J), Aubs_91 (F1), BodEinwohner17_101 (F1), Boomer_94 (F1), Chevrolet_98 (F1), Courthouse_76 (J), DirtMcgirt_92 (F1), Dorothy_92 (F1), Drago_90 (F1), Enby_95 (F1), Hlubikazi_89 (F1), Inventum_89 (F1), JoeyJr_94 (F1), KristaRAM_94 (F1), Leperchaun_93 (F1), Lorde_94 (F1), Lucky2013_78 (J), Mandlovu_89 (F1), MiaZeal_81 (J), PMC_90 (F1), Porcelain_80 (J), RedBird_92 (F1), Rockne_94 (F1), Sassafras_93 (F1), Spartacus_98 (F1), Squint_81 (J), Strokeseat_89 (F1), Superphikiman_78 (J), UncleRicky_91 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, F2, J,

Info for manual annotations of cluster A1:

- Start number 4 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 1 time for cluster F1.
- Start number 6 was manually annotated 22 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 5 was manually annotated 2 times for cluster F2.

Info for manual annotations of cluster J:

- Start number 6 was manually annotated 7 times for cluster J.

Gene Information:

Gene: ArcusAngelus_92 Start: 52271, Stop: 52513, Start Num: 6

Candidate Starts for ArcusAngelus_92:

(Start: 6 @52271 has 29 MA's), (8, 52451), (9, 52454),

Gene: Ariel_80 Start: 48805, Stop: 48563, Start Num: 6

Candidate Starts for Ariel_80:

(Start: 6 @48805 has 29 MA's), (7, 48631), (9, 48622), (10, 48595),

Gene: Aubs_91 Start: 52598, Stop: 52840, Start Num: 6

Candidate Starts for Aubs_91:

(1, 52490), (2, 52550), (3, 52562), (Start: 6 @52598 has 29 MA's), (8, 52778), (9, 52781),

Gene: BodEinwohner17_101 Start: 54123, Stop: 54365, Start Num: 6

Candidate Starts for BodEinwohner17_101:

(Start: 6 @54123 has 29 MA's), (8, 54303), (9, 54306),

Gene: Boomer_94 Start: 52358, Stop: 52600, Start Num: 6

Candidate Starts for Boomer_94:

(Start: 6 @52358 has 29 MA's), (8, 52538), (9, 52541),

Gene: Che9d_90 Start: 48355, Stop: 48603, Start Num: 5

Candidate Starts for Che9d_90:

(Start: 5 @48355 has 3 MA's), (7, 48535), (9, 48544), (10, 48571),

Gene: Chevrolet_98 Start: 52272, Stop: 52514, Start Num: 6

Candidate Starts for Chevrolet_98:

(Start: 6 @52272 has 29 MA's), (8, 52452), (9, 52455),

Gene: Courthouse_76 Start: 48405, Stop: 48163, Start Num: 6

Candidate Starts for Courthouse_76:

(Start: 6 @48405 has 29 MA's), (7, 48231), (9, 48222), (10, 48195),

Gene: Demsculpinboyz_88 Start: 46784, Stop: 47035, Start Num: 5

Candidate Starts for Demsculpinboyz_88:

(Start: 5 @46784 has 3 MA's), (7, 46964), (9, 46973), (10, 47000),

Gene: DirtMcgirt_92 Start: 48968, Stop: 49210, Start Num: 6

Candidate Starts for DirtMcgirt_92:

(Start: 6 @48968 has 29 MA's), (8, 49148), (9, 49151),

Gene: Dorothy_92 Start: 53309, Stop: 53551, Start Num: 6

Candidate Starts for Dorothy_92:

(Start: 6 @53309 has 29 MA's), (8, 53489), (9, 53492),

Gene: Drago_90 Start: 48971, Stop: 49213, Start Num: 6

Candidate Starts for Drago_90:

(Start: 6 @48971 has 29 MA's), (8, 49151), (9, 49154),

Gene: Enby_95 Start: 49247, Stop: 49489, Start Num: 6

Candidate Starts for Enby_95:

(Start: 6 @49247 has 29 MA's), (8, 49427), (9, 49430),

Gene: Hlubikazi_89 Start: 49385, Stop: 49627, Start Num: 6

Candidate Starts for Hlubikazi_89:

(Start: 6 @49385 has 29 MA's), (8, 49565), (9, 49568),

Gene: Inventum_89 Start: 51494, Stop: 51736, Start Num: 6

Candidate Starts for Inventum_89:

(Start: 6 @51494 has 29 MA's), (8, 51674), (9, 51677),

Gene: JoeyJr_94 Start: 53402, Stop: 53644, Start Num: 6

Candidate Starts for JoeyJr_94:

(Start: 6 @53402 has 29 MA's), (8, 53582), (9, 53585),

Gene: Jorgensen_70 Start: 43047, Stop: 42796, Start Num: 4

Candidate Starts for Jorgensen_70:

(Start: 4 @43047 has 1 MA's), (7, 42864), (9, 42855), (10, 42828),

Gene: KristaRAM_94 Start: 51532, Stop: 51804, Start Num: 6

Candidate Starts for KristaRAM_94:

(Start: 6 @51532 has 29 MA's), (8, 51712), (11, 51778),

Gene: Leperchaun_93 Start: 52636, Stop: 52878, Start Num: 6

Candidate Starts for Leperchaun_93:

(Start: 6 @52636 has 29 MA's), (8, 52816), (9, 52819),

Gene: Lorde_94 Start: 48412, Stop: 48654, Start Num: 6

Candidate Starts for Lorde_94:

(Start: 6 @48412 has 29 MA's), (8, 48592), (9, 48595),

Gene: Lucky2013_78 Start: 48821, Stop: 48579, Start Num: 6

Candidate Starts for Lucky2013_78:

(Start: 6 @48821 has 29 MA's), (7, 48647), (9, 48638), (10, 48611),

Gene: Mandlovu_89 Start: 49327, Stop: 49569, Start Num: 6

Candidate Starts for Mandlovu_89:

(Start: 6 @49327 has 29 MA's), (8, 49507), (9, 49510),

Gene: MiaZeal_81 Start: 49477, Stop: 49235, Start Num: 6

Candidate Starts for MiaZeal_81:

(Start: 6 @49477 has 29 MA's), (7, 49303), (9, 49294), (10, 49267),

Gene: Ogopogo_84 Start: 47831, Stop: 48079, Start Num: 5

Candidate Starts for Ogopogo_84:

(Start: 5 @47831 has 3 MA's), (7, 48011), (9, 48020), (10, 48047),

Gene: PMC_90 Start: 50582, Stop: 50824, Start Num: 6

Candidate Starts for PMC_90:

(Start: 6 @50582 has 29 MA's), (8, 50762), (9, 50765),

Gene: Porcelain_80 Start: 49477, Stop: 49235, Start Num: 6

Candidate Starts for Porcelain_80:

(Start: 6 @49477 has 29 MA's), (7, 49303), (9, 49294), (10, 49267),

Gene: RedBird_92 Start: 53179, Stop: 53421, Start Num: 6

Candidate Starts for RedBird_92:

(Start: 6 @53179 has 29 MA's), (8, 53359), (9, 53362),

Gene: Rockne_94 Start: 50594, Stop: 50836, Start Num: 6

Candidate Starts for Rockne_94:

(Start: 6 @50594 has 29 MA's), (8, 50774), (9, 50777),

Gene: Sassafras_93 Start: 51493, Stop: 51735, Start Num: 6

Candidate Starts for Sassafras_93:

(Start: 6 @51493 has 29 MA's), (8, 51673), (9, 51676),

Gene: Spartacus_98 Start: 54307, Stop: 54549, Start Num: 6

Candidate Starts for Spartacus_98:

(Start: 6 @54307 has 29 MA's), (8, 54487), (9, 54490),

Gene: Squint_81 Start: 49596, Stop: 49354, Start Num: 6

Candidate Starts for Squint_81:

(Start: 6 @49596 has 29 MA's), (7, 49422), (9, 49413), (10, 49386),

Gene: Strokeseat_89 Start: 49384, Stop: 49626, Start Num: 6

Candidate Starts for Strokeseat_89:

(Start: 6 @49384 has 29 MA's), (8, 49564), (9, 49567),

Gene: Superphikiman_78 Start: 48687, Stop: 48445, Start Num: 6

Candidate Starts for Superphikiman_78:

(Start: 6 @48687 has 29 MA's), (7, 48513), (9, 48504), (10, 48477),

Gene: UncleRicky_91 Start: 50468, Stop: 50710, Start Num: 6

Candidate Starts for UncleRicky_91:

(Start: 6 @50468 has 29 MA's), (8, 50648), (9, 50651),