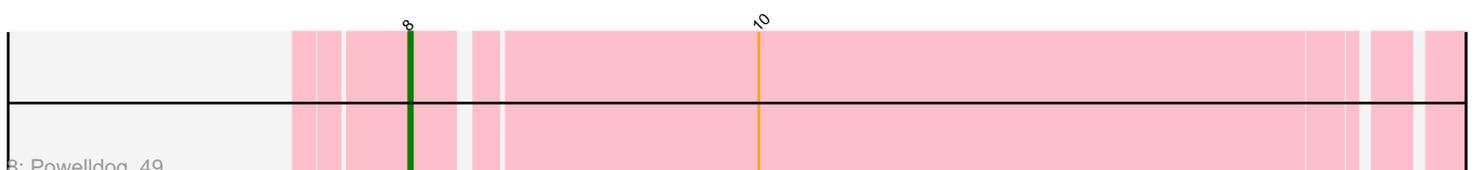
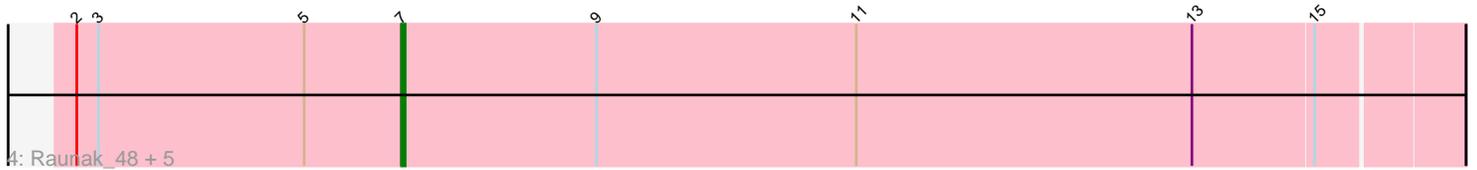
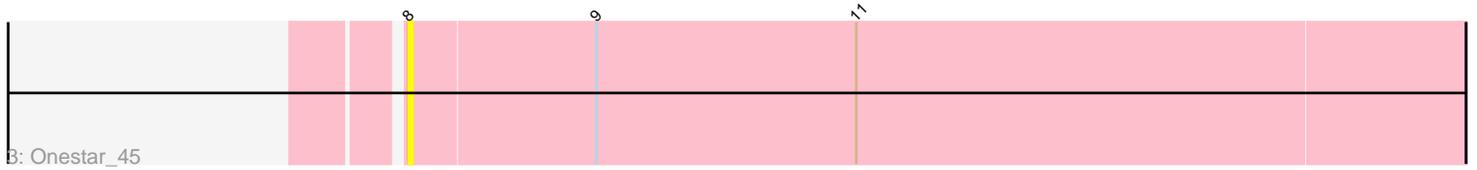
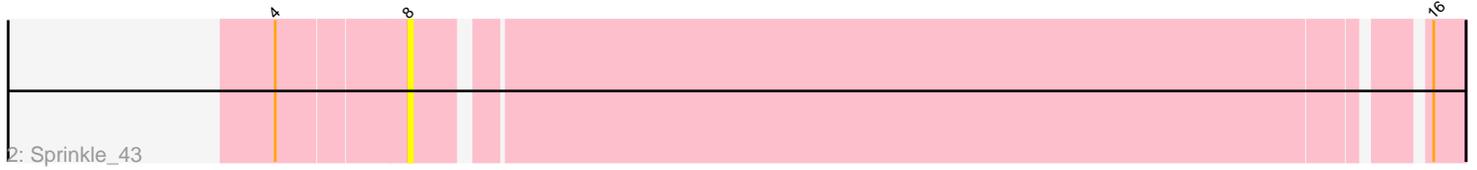
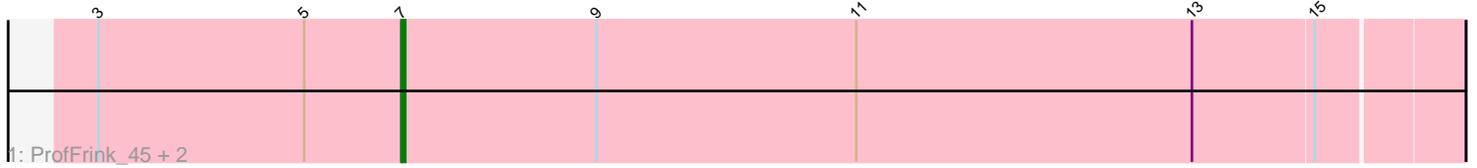


Pham 291519



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 291519 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291519 has 23 members, 10 are drafts.

Phages represented in each track:

- Track 1 : ProfFrink_45, Boog_44, Jeremy4pt0_45
- Track 2 : Sprinkle_43
- Track 3 : Onestar_45
- Track 4 : Raunak_48, BronxBay_45, Linda_45, MrAaronian_45, Djungelskog_45, Spain_48
- Track 5 : Sporto_46
- Track 6 : Natasha_46, RustyBoy_46
- Track 7 : HerbBucket_45
- Track 8 : Powelldog_49
- Track 9 : Kureo_95, Gandionco_93, Paella_97, Qui_97, Elver_96, JeNeSaisPas_91, Marianna39_94

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 6 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_44, BronxBay_45, Djungelskog_45, HerbBucket_45, Jeremy4pt0_45, Linda_45, MrAaronian_45, ProfFrink_45, Raunak_48, Spain_48,

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

-

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

- Elver_96, Gandionco_93, JeNeSaisPas_91, Kureo_95, Marianna39_94, Natasha_46, Onestar_45, Paella_97, Powelldog_49, Qui_97, RustyBoy_46, Sporto_46, Sprinkle_43,

Summary by start number:

Start 6:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 13

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sporto_46 (AW),

Start 7:

- Found in 10 of 23 (43.5%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_44 (AW), BronxBay_45 (AW), Djungelskog_45 (AW), HerbBucket_45 (AW), Jeremy4pt0_45 (AW), Linda_45 (AW), MrAaronian_45 (AW), ProfFrink_45 (AW), Raunak_48 (AW), Spain_48 (AW),

Start 8:

- Found in 12 of 23 (52.2%) of genes in pham
- Manual Annotations of this start: 6 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_96 (FK), Gandionco_93 (FK), JeNeSaisPas_91 (FK), Kureo_95 (FK), Marianna39_94 (FK), Natasha_46 (AW), Onestar_45 (AW), Paella_97 (FK), Powellldog_49 (AW), Qui_97 (FK), RustyBoy_46 (AW), Sprinkle_43 (AW),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AW,

Info for manual annotations of cluster AW:

- Start number 6 was manually annotated 1 time for cluster AW.
- Start number 7 was manually annotated 6 times for cluster AW.
- Start number 8 was manually annotated 3 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 8 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Boog_44 Start: 31539, Stop: 31829, Start Num: 7

Candidate Starts for Boog_44:

(3, 31455), (5, 31512), (Start: 7 @31539 has 6 MA's), (9, 31593), (11, 31665), (13, 31758), (15, 31791),

Gene: BronxBay_45 Start: 31837, Stop: 32127, Start Num: 7

Candidate Starts for BronxBay_45:

(2, 31747), (3, 31753), (5, 31810), (Start: 7 @31837 has 6 MA's), (9, 31891), (11, 31963), (13, 32056), (15, 32089),

Gene: Djungelskog_45 Start: 31836, Stop: 32126, Start Num: 7

Candidate Starts for Djungelskog_45:

(2, 31746), (3, 31752), (5, 31809), (Start: 7 @31836 has 6 MA's), (9, 31890), (11, 31962), (13, 32055), (15, 32088),

Gene: Elver_96 Start: 54012, Stop: 54290, Start Num: 8

Candidate Starts for Elver_96:

(Start: 8 @54012 has 6 MA's), (12, 54168),

Gene: Gandionco_93 Start: 52868, Stop: 53146, Start Num: 8
Candidate Starts for Gandionco_93:
(Start: 8 @52868 has 6 MA's), (12, 53024),

Gene: HerbBucket_45 Start: 31539, Stop: 31826, Start Num: 7
Candidate Starts for HerbBucket_45:
(1, 31449), (3, 31455), (5, 31512), (Start: 7 @31539 has 6 MA's), (9, 31590), (11, 31662), (13, 31755),
(15, 31788),

Gene: JeNeSaisPas_91 Start: 53442, Stop: 53720, Start Num: 8
Candidate Starts for JeNeSaisPas_91:
(Start: 8 @53442 has 6 MA's), (12, 53598),

Gene: Jeremy4pt0_45 Start: 31536, Stop: 31826, Start Num: 7
Candidate Starts for Jeremy4pt0_45:
(3, 31452), (5, 31509), (Start: 7 @31536 has 6 MA's), (9, 31590), (11, 31662), (13, 31755), (15, 31788),

Gene: Kureo_95 Start: 53022, Stop: 53300, Start Num: 8
Candidate Starts for Kureo_95:
(Start: 8 @53022 has 6 MA's), (12, 53178),

Gene: Linda_45 Start: 31834, Stop: 32124, Start Num: 7
Candidate Starts for Linda_45:
(2, 31744), (3, 31750), (5, 31807), (Start: 7 @31834 has 6 MA's), (9, 31888), (11, 31960), (13, 32053),
(15, 32086),

Gene: Marianna39_94 Start: 53437, Stop: 53715, Start Num: 8
Candidate Starts for Marianna39_94:
(Start: 8 @53437 has 6 MA's), (12, 53593),

Gene: MrAaronian_45 Start: 31836, Stop: 32126, Start Num: 7
Candidate Starts for MrAaronian_45:
(2, 31746), (3, 31752), (5, 31809), (Start: 7 @31836 has 6 MA's), (9, 31890), (11, 31962), (13, 32055),
(15, 32088),

Gene: Natasha_46 Start: 31568, Stop: 31843, Start Num: 8
Candidate Starts for Natasha_46:
(Start: 8 @31568 has 6 MA's), (9, 31613),

Gene: Onestar_45 Start: 31560, Stop: 31850, Start Num: 8
Candidate Starts for Onestar_45:
(Start: 8 @31560 has 6 MA's), (9, 31611), (11, 31683),

Gene: Paella_97 Start: 54602, Stop: 54880, Start Num: 8
Candidate Starts for Paella_97:
(Start: 8 @54602 has 6 MA's), (12, 54758),

Gene: Powelldog_49 Start: 32567, Stop: 32842, Start Num: 8
Candidate Starts for Powelldog_49:
(Start: 8 @32567 has 6 MA's), (10, 32657),

Gene: ProfFrink_45 Start: 31837, Stop: 32127, Start Num: 7

Candidate Starts for ProfFrink_45:

(3, 31753), (5, 31810), (Start: 7 @31837 has 6 MA's), (9, 31891), (11, 31963), (13, 32056), (15, 32089),

Gene: Qui_97 Start: 54602, Stop: 54880, Start Num: 8

Candidate Starts for Qui_97:

(Start: 8 @54602 has 6 MA's), (12, 54758),

Gene: Raunak_48 Start: 31534, Stop: 31824, Start Num: 7

Candidate Starts for Raunak_48:

(2, 31444), (3, 31450), (5, 31507), (Start: 7 @31534 has 6 MA's), (9, 31588), (11, 31660), (13, 31753), (15, 31786),

Gene: RustyBoy_46 Start: 31549, Stop: 31824, Start Num: 8

Candidate Starts for RustyBoy_46:

(Start: 8 @31549 has 6 MA's), (9, 31594),

Gene: Spain_48 Start: 31836, Stop: 32126, Start Num: 7

Candidate Starts for Spain_48:

(2, 31746), (3, 31752), (5, 31809), (Start: 7 @31836 has 6 MA's), (9, 31890), (11, 31962), (13, 32055), (15, 32088),

Gene: Sporto_46 Start: 33334, Stop: 33609, Start Num: 6

Candidate Starts for Sporto_46:

(Start: 6 @33334 has 1 MA's), (9, 33379), (14, 33547),

Gene: Sprinkle_43 Start: 31683, Stop: 31958, Start Num: 8

Candidate Starts for Sprinkle_43:

(4, 31653), (Start: 8 @31683 has 6 MA's), (16, 31950),